STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025

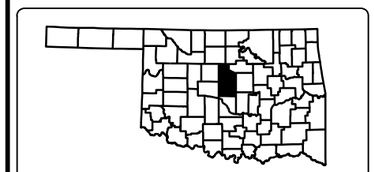
PLAN OF PROPOSED

INTERSTATE HIGHWAY

FEDERAL AID PROJECT NO. NHPPI-3500-(121)PM
INTERCHANGE
INTERSTATE 35 & WATERLOO ROAD

OKLAHOMA & LOGAN COUNTIES

CONTROL SECTION NO. 35-55-09 & 35-42-30
STATE JOB NO. 29843(04)
EXISTING BRIDGE-LOCATION NO. 5509-1312 EX; EXISTING NBI NO. 14103; TO BE REMOVED
EXISTING BRIDGE - LOCATION NO. 5509-1312 WX; EXISTING NBI NO. 14104; TO BE REMOVED
BRIDGE "A" LOCATION 5509-1312 EX; NEW NBI NO. XXXXX
BRIDGE "B" LOCATION 5509-1312 WX; NEW NBI NO. XXXXX

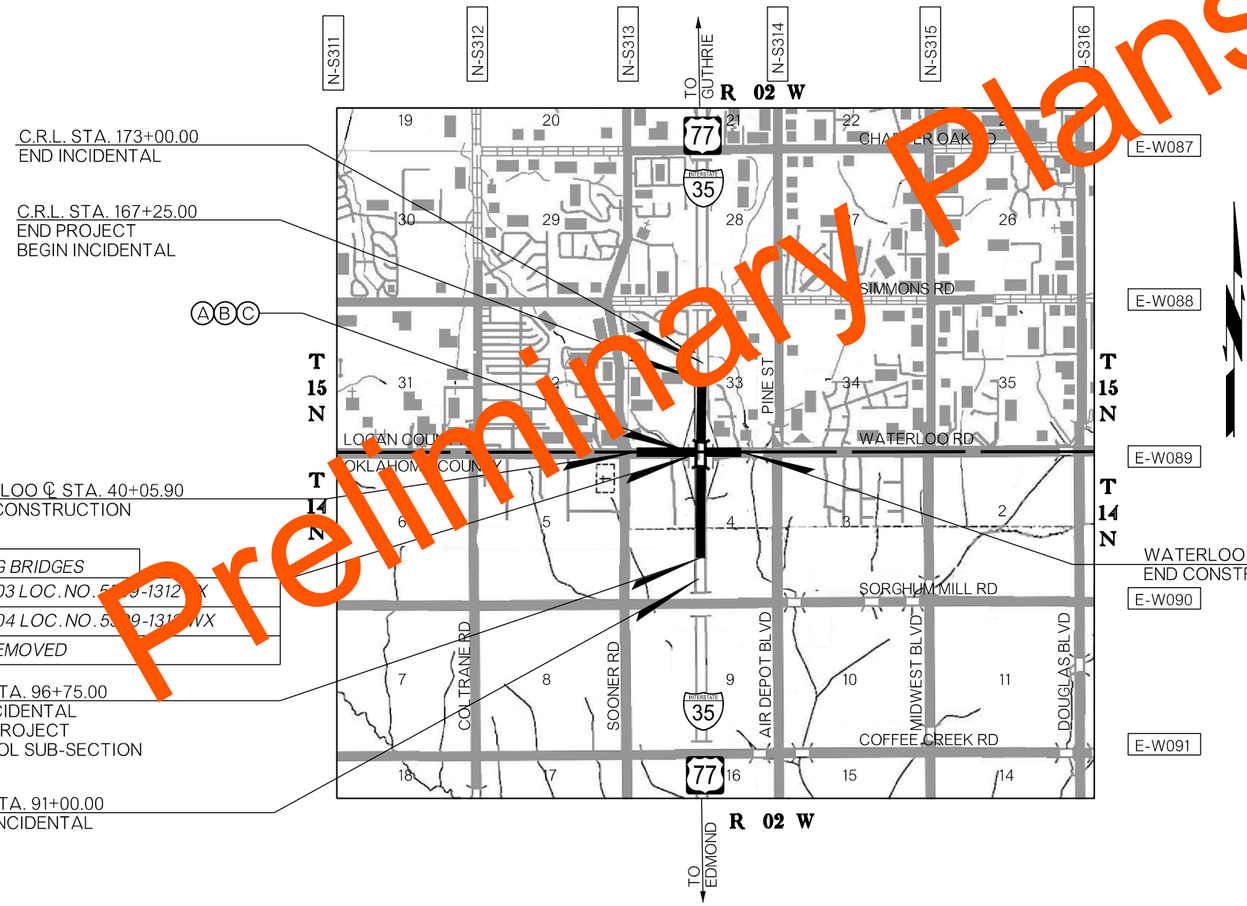


Ⓐ BRIDGE "A"
BEGIN C.R.L. STA. 138+18.17
LENGTH 206.67'
END C.R.L. STA. 140+24.83
NEW NBI

Ⓑ BRIDGE "B"
BEGIN C.R.L. STA. 138+18.17
LENGTH 206.67'
END C.R.L. STA. 140+24.83
NEW NBI

Ⓒ BRIDGE "C"
BEGIN C.R.L. STA. 138+52.06
LENGTH 121.15'
END C.R.L. STA. 139+73.21

DESIGN DATA	I-35	WATERLOO
AADT 2022 =	58,981	18,171
AADT 2040 =	81,212	33,180
DHV (2-WAY) =	8,933	3,318
K (DHV/AADT) =	11%	10%
D =	65%	65%
T (% DHV) =	13%	10%
T (% AADT) =	16%	12%
T³(% AADT) =	11%	6%
V =	75MPH	45MPH
20 YR FLEX ESALS =	62.64M	12.52M



Preliminary Plans

FOR INDEX OF SHEETS AND STANDARDS, SEE SHEET 0002

SCALES
PLAN 1" = 50'
PROFILE HOR. 1" = 50'
VER. 1" = 5'
LAYOUT MAP 1" = 2,640'

CONVENTIONAL SYMBOLS
PROPOSED ROAD
RAILROADS
RANGE & TOWNSHIP
SECTION LINES
QUARTER SECTION LINES
FENCES
GROUND LINE
EXISTING ROADS
BASE LINE
GRADE LINES
TELEPHONE & TELEGRAPH
POWER LINES
BUILDINGS
OIL WELL
DRAINAGE STRUCTURES - IN PLACE
DRAINAGE STRUCTURES - NEW
RIGHT-OF-WAY LINES - EXISTING
RIGHT-OF-WAY LINES - NEW
CONTROLLED ACCESS
RIGHT-OF-WAY FENCE
BRIDGE

2019 OKLAHOMA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION GOVERN, APPROVED BY THE U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION, DECEMBER 18, 2019.

NOTE: PROJECT LENGTH BASED ON I-35 CRL STATIONING

ROADWAY LENGTH	6,843.33	FT.	1.296	MI.
BRIDGE LENGTH	206.67	FT.	0.039	MI.
PROJECT LENGTH			1.335	MI.

EQUATIONS : NONE
EXCEPTIONS : NONE

PREPARED BY:
GARVER
6100 SOUTH YALE AVE., SUITE 1300
TULSA, OKLAHOMA 74136
(918) 250-5922 (VOICE)
(918) 250-6529 (FAX)

THIS DOCUMENT IS PRELIMINARY IN NATURE AND IS NOT A FINAL, SIGNED AND SEALED DOCUMENT

CERTIFICATE OF AUTHORIZATION NO. 4193 P.E., L.S. RENEWAL DATE: 6-30-2026

OKLAHOMA DEPARTMENT OF TRANSPORTATION	DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION
DATE APPROVED	DATE APPROVED
BY	BY
CHIEF ENGINEER	DIVISION ADMINISTRATOR

SWO 4989(1) PROJECT NO. NHPPI-3500-(121)PM
COUNTY OKLAHOMA & LOGAN HIGHWAY I-35 SHEET NO. 0001

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3/28/2025 9:11:36 AM

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025

INDEX OF SHEETS

0001	TITLE
0002	INDEX OF SHEETS
0003-0014	TYPICAL SECTIONS
AB01-AB02	SUMMARY OF PAY QUANTITIES AND GENERAL NOTES (BRIDGE)
AE01	ENVIRONMENTAL NOTES
AE02	STORMWATER MANAGEMENT PLAN
AR01	GENERAL CONSTRUCTION NOTES (ROADWAY)
AR02	SUMMARY OF PAY QUANTITES AND NOTES (ROADWAY)
AR03-AR06	SUMMARY SHEET (ROADWAY)
AR07-AR13	SUMMARY SHEET (DRAINAGE)
AT01	GENERAL CONSTRUCTION NOTES (TRAFFIC)
AT02-AT03	SUMMARY OF PAY QUANTITIES AND NOTES (TRAFFIC)
AT04-AT05	SUMMARY SHEET (TRAFFIC)
AT06	SUMMARY OF PAY QUANTITIES AND NOTES (LIGHTING)
AT07	SUMMARY SHEET (LIGHTING)
AT08	SUMMARY OF PAY QUANTITIES AND NOTES (TRAFFIC SIGNALS)

BRIDGE A

B001-B002	GENERAL PLAN AND ELEVATION
B003-B004	SUBSURFACE PROFILE
B005	STAKING DIAGRAM
B006-B009	ABUTMENT DETAILS
B010-B011	PIER DETAILS
B012	TYPICAL SECTION
B013	LONGITUDINAL SECTION
B014	DECK LAYOUT
B015	DECK TURNDOWN DETAILS
B016	PARAPET LAYOUT
B017	FRAMING PLAN
B018-B019	BEAM DETAILS
B020	STEEL BEAM BRACING DETAILS
B021	BEARING DETAILS
B022	SLOPE WALL DETAILS
B023	APPROACH SLAB DETAILS
B024	BARRIER TRANSITION DETAILS
B025	DRAIN DETAILS

BRIDGE B

B026-B027	GENERAL PLAN AND ELEVATION
B028-B029	SUBSURFACE PROFILE
B030-B034	SEQUENCE OF CONSTRUCTION
B035	STAKING DIAGRAM
B036-B039	ABUTMENT DETAILS
B040-B042	PIER DETAILS
B043	TYPICAL SECTION
B044	LONGITUDINAL SECTION
B045	DECK LAYOUT
B046	DECK TURNDOWN DETAILS
B047	PARAPET LAYOUT
B048	FRAMING PLAN
B049-B050	BEAM DETAILS
B051	STEEL BEAM BRACING DETAILS
B052	BEARING DETAILS
B053	SLOPE WALL DETAILS
B054-B055	APPROACH SLAB DETAILS
B056	DRAIN DETAILS

BRIDGE C

B057-B058	GENERAL PLAN AND ELEVATION
B059	STAKING DIAGRAM
B060-B061	ABUTMENT DETAILS
B062	TYPICAL AND LONGITUDINAL SECTIONS

ROADWAY SHEETS

R001-R012	GEOMETRIC LAYOUT
R013	GEOMETRIC POINT LIST
R014-R017	GEOMETRIC CURVE DATA
R018	LIMITS OF NO ACCESS
R019	PLAN AND PROFILE (KEY MAP)
R020-R025	PLAN AND PROFILE I-35
R026-R029	PLAN AND PROFILE RAMP
R030-R037	PLAN AND PROFILE WATERLOO RD.
R038-R040	PLAN AND PROFILE SIDE ROADS
R041-R042	PLAN AND PROFILE TURNOUTS
R043	PLAN AND PROFILE RETAINING WALLS
R044-R046	PLAN AND PROFILE SHOO-FLY
R047-R054	TEMPORARY WIDENING
R055	SUMMARY OF DISTURBED AREAS
R056-R093	EROSION CONTROL
R094-R097	DRAINAGE AREA MAP
R098-R100	DRAINAGE DESIGN RECORD
R101-R104	STORM SEWER KEY MAP
R105-R116	STORMWATER PLAN & PROFILE
R117-R124	JOINT LAYOUT PLANS
R125-R133	REMOVALS
R134	RETAINING WALL A PLAN AND ELEVATION
R135	RETAINING WALL B PLAN AND ELEVATION
R136-R137	RETAINING WALL C PLAN AND ELEVATION
R138	RETAINING WALL A DETAILS
R139	RETAINING WALL B DETAILS
R140	STRUCTURE NO. 110 C.E.T.
R141	STRUCTURE NO. 6 INLET DETAILS
R142	STRUCTURE NO. 6 RCB BARREL DETAILS
R143	STRUCTURE NO. 401 ENERGY DISSIPATOR DETAILS
R144-R145	PARAPET WALL DETAILS
R146-R149	JUNCTION BOX DETAILS
R150-R152	SPOT ELEVATIONS
R153-R154	GORE DETAILS
R155-R157	INTERSECTION DETAILS
R158	SETTLEMENT PLATE DETAIL

SURVEY

S001-S033	SURVEY DATA SHEETS

TRAFFIC

T001-T01[illegible]	SUGGESTED CONSTRUCTION SEQUENCE
T011-T012	SUGGESTED ADVANCED WARNING
T013-T014	SUGGESTED DETOUR MAP
T015-T07[illegible]	SUGGESTED TRAFFIC CONTROL
T071	SIGNAL PLAN (WATERLOO RD. AT BOUCHER DR.)
T072	SIGNAL PHASING (WATERLOO RD. AT BOUCHER DR.)
T073	SIGNAL WIRING DIAGRAM (WATERLOO RD. AT BOUCHER RD.)
T074	SIGN AND LIGHTING PLAN (WATERLOO RD. AT BOUCHER DR.)
T075	SIGNAL PLAN (I-35 SB RAMPS AT WATERLOO RD.)
T076	SIGNAL PLAN (I-35 NB RAMPS AT WATERLOO RD.)
T077	SIGNAL PHASING (WATERLOO RD. AT I-35)
T078-T079	SIGNAL WIRING (WATERLOO RD. AT I-35)
T080-T089	TEMPORARY SIGNAL PLANS (WATERLOO RD. AT I-35)
T090-T098	PAVEMENT PARKING PLANS
T099-T107	SIGNING PLANS
T108-T112	SPECIAL OVERHEAD SIGN STRUCTURE & OVERHEAD SIGN
T113-T114	SPECIAL SIGN DETAILS
T115	ROUTE ASSEMBLY PLANS
T116	LIGHTING LEGEND AND GENERAL NOTES
T117-T118	LIGHT FIXTURE SCHEDULE
T119-T124	LIGHTING INSTALLATION PLAN
T125-T130	LIGHTING DETAILS

CROSS SECTIONS

X001-X033	I-35 CROSS SECTIONS
X034-X095	WATERLOO CROSS SECTIONS
X096-X108	RAMP A CROSS SECTIONS
X109-X120	RAMP B CROSS SECTIONS
X121-X132	RAMP C CROSS SECTIONS
X133-X144	RAMP D CROSS SECTIONS
X145-X153	BOUCHER RD. CROSS SECTIONS
X154-167	FRONTAGE RD. CROSS SECTIONS
X168-X179	INDUSTRIAL RD. CROSS SECTIONS

Preliminary Plans

THE FOLLOWING STANDARDS WILL BE REQUIRED

ROADWAY (2019 STANDARDS)	BRIDGE (2009 STANDARDS)	TRAFFIC CONTROL (2009 STANDARDS)	TRAFFIC SIGNING (2009 STANDARDS)	TRAFFIC SAFETY (2009 STANDARDS)	TRAFFIC LIGHTING (2009 STANDARDS)	TRAFFIC SIGNALS (2009 STANDARDS)
BMPR-0	FSHP-42-2-00E	TCS1-1-01	PM1-1-03	SKT-1-00	CCD1-1-00	PMAP1-2-01
TESCA-0	EJ-SQ-04E	TCS2-1-00	PM2-1-01	GA31-1-00	CCD2-1-00	SPBP1-1-01
IPD-0	EJ-DTL-02E	TCS3-1-01	PM3-1-02	GHW1-1-00	PBD1-1-00	SA1-1-02
RSF-0	HP1-2-01E	TCS4-1-01	PM4-1-02	GHW2-1-00	GMF1-2-01	SNS1-1-02
TSD-0	B40-C-ABUT-MISC-01E	TCS5-1-00	PM5-1-00	RS3-1-00	HLBP1-1-01	TSSS1-1-00
TRFD-0	LECS-5-2	TCS6-1-02	PM6-1-00		HLGN1-1-01	PWD1-2-00
CWA-0	PUD-4-1	TCS7-1-02	RSD1-1-00		HLPD1-1-00	CFD1-2-01
SSS-2-1	CRCP2-4-1	TCS8-1-00	RSD2-1-00		PPD1-2-00	CC1-1-00
ASCD-6-1	RCB-C1-3&4&5(2-20-01E	TCS9-1-01	WSD1-1-00		HLD1-2-01	TSSP1-1-00
CSCD-6-2	RCB-C1-8(2-14)-01E	TCS10-1-00	WSD2-1-00		HLD2-2-01	SWD1-1-00
LECS-5-2	RCB-C1-10(2-14)-01E	TCS11-1-01	WSD3-1-01		HLMA2-1-01	MAD1-1-01
LTU-5-1	RCB-E1-H3-0-1-01E	TCS13-1-00	MSD1-1-00		UPD1-1-00	RPMAD1-1-01
PED-4-1	RCB-E1-H3-0-2-01E	TCS14-1-00	MSD2-1-00		UPD2-1-00	MDL1-1-00
PSE-2-1	RCB-E1-H4-0-1-01E	TCS16-1-00	MSD3-1-00		SPD1-1-00	MDL2-1-00
WCR-4-2	RCB-E1-H4-0-2-01E	TCS17-1-00	MSD4-1-00		SCD1-1-00	
TWD-2-2	RCB-E1-H6-0-1-01E	TCS19-1-01	MSD5-1-00		TEWD1-2-00	
SMD-4-2	RCB-E1-H6-0-2-01E	TCS20-1-00	SIS4-1-00		HMF1-1-00	
PCES-5-1	RCB-E1-H8-0-1-01E	TCS21-1-02	SBS1-1-00		HMP1-1-00	
CDIP-2-2	RCB-E1-H8-0-2-01E	TCS22-1-00	SBS2-1-00		HMLD1-1-00	
SPI-5-2	RCB-CW1-D4-0-01E	TCS24-1-02	SBS3-1-00			
SLD-4-1	RCB-CW1-D6-0-01E	TCS25-1-00	SBS4-1-00			
CIG-2			SBS5-1-00			
SSIP-1	(1999 STANDARDS)		GMS1-1-00			
CIG-4-1	RCB-E1-H6-0-1-00E		GMS2-1-00			
MFC-5-1	RCB-E1-H6-0-2-00E		SSP1-1-02			
MJB-4-2			SSA1-1-00			
PRM-1-3			SSA2-1-00			
PMD-1-1			FGS1-1-00			
CCI-1-0			FGS2-1-01			
CCI-2-0			SPA1-1-00			
MCI-1-0						
MCI-2-0						
MCI-3-0						
PBB-1-3						
SBI-5-2						
PUD-4-1						
CLB-2-2						
RDI-4-1						
DC-4-1						
PDT-2-3						
RWF1-3-1						
RWF2-3-1						
SUEL 1-4-1						
SUEL 2-4-1						
SUEL 3-4-1						

DESIGN	NMB	3/25
DRAWN	JLH	3/25
CHECKED	SCB	3/25
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS

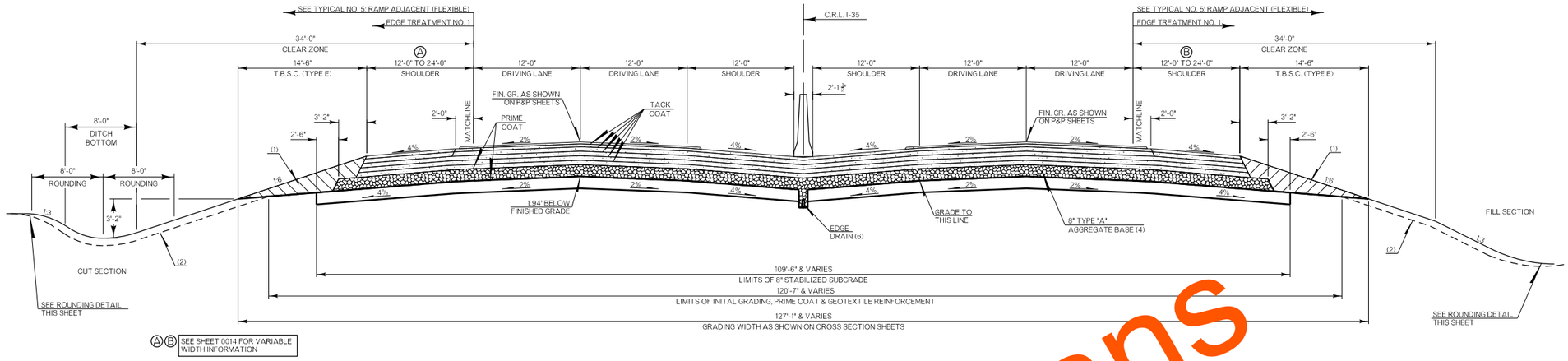
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. 0002

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025



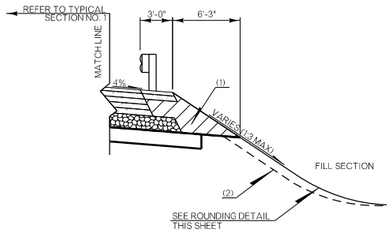
(A)(B) SEE SHEET 0014 FOR VARIABLE WIDTH INFORMATION

PAVEMENT REQUIREMENT		
PAVT. STRUCTURE	12'-0" DRIVING LANES	12'-0" PAVED SHOULDERS
SURFACE COURSE	1.25" AC TYPE PFC (76-28 OK)	EXTENDS 1.5' ON TO[illegible] SHOULDERS
	2" STONE MATRIX ASPHALT (PG 76-28 OK)	2" SUPERPAVE [illegible] (PG 64-22 OK)
BASE COURSE	3" SUPERPAVE S3 (PG 76-28 OK)	3" SUPERPAVE [illegible] (PG 64-22 OK)
	3" SUPERPAVE S3 (PG 64-22 OK)	3" SUPERPAVE S3 (PG 64-22 OK)
	3" SUPERPAVE S3 (PG 64-22 OK)	3" SUPERPAVE S3 (PG 64-22 OK)
	3" RICH BOTTOM LAYER (PG 64-22 OK)	3" SUPERPAVE S3 (PG 64-22 OK)

TYPICAL SECTION NO. 1 - I-35 (MAINLINE)

NOT TO SCALE

C.R.L. I-35 STA. 102+00.00 TO C.R.L. I-35 STA. 137+88.17

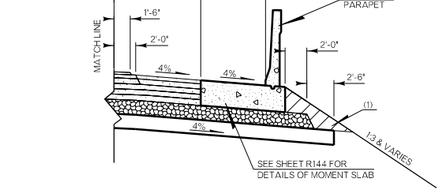


PAVEMENT REQUIREMENT	
PAVT. STRUCTURE	GUARDRAIL WIDENING
SURFACE COURSE	2" SUPERPAVE S4 (PG 64-22 OK)
BASE COURSE	3" SUPERPAVE S3 (PG 64-22 OK)

GUARDRAIL WIDENING DETAIL 1-1

NOT TO SCALE

C.R.L. I-35 STA. 95+75.52 LT TO C.R.L. I-35 100+34.97 LT (MIRROR)
C.R.L. I-35 STA. 107+88.13 RT TO C.R.L. I-35 111+15.00 RT
C.R.L. I-35 STA. 124+75.61 RT TO C.R.L. I-35 129+12.46 RT



EDGE TREATMENT NO. 1

NOT TO SCALE

C.R.L. I-35 STA. 134+88.25 TO C.R.L. I-35 STA. 137+88.17
C.R.L. I-35 STA. 137+00.00 TO C.R.L. I-35 STA. 137+88.17 (MIRROR)

Preliminary

(1) BACKFILL NOTE:
TO BE BACKFILLED AS PART OF THE FINISHING OPERATIONS.
QUANTITY IS MEASURED IN T.B.S.C. TYPE E.

(2) TOPSOIL NOTE:
THE CONTRACTOR SHALL STRIP ALL OF THE AVAILABLE TOPSOIL, STOCKPILE IT, AND PLACE IT BACK ON THE SECTION IN ACCORDANCE WITH SECTION 205 OF THE STANDARD SPECIFICATIONS. RESERVED TOPSOIL SHALL BE SPREAD FIRST ON THE COMPLETED SLOPES OF THE CUT SECTIONS AND THE REMAINDER ON COMPLETED FILL SLOPES OR OTHER PRIORITY AREAS LOCATED BY THE ENGINEER. ALL ADDITIONAL COSTS ASSOCIATED WITH OPERATIONS SHALL BE INCLUDED IN THE PAY ITEM FOR SALVAGED TOPSOIL, LUMP SUM.

THE GRADING LINE AS SHOWN ON THE TYPICAL AND CROSS SECTIONS IS TO THE TOP OF THE TOPSOIL. EARTHWORK QUANTITIES WERE NOT ADJUSTED FOR SALVAGE AND THE TOPSOIL QUANTITY IS INCLUDED IN THE MASS LINE BALANCE.

(3) DISTANCE MEASURED VERTICALLY FROM EDGE OF FINISHED GRADE SHOULDER.

(4) PRIME COAT ON TOP OF AGGREGATE BASE.

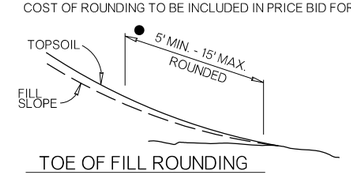
(6) EDGE DRAIN TO OUTLET TO PROPOSED DRAINAGE SYSTEM EVERY 300 FT. COST OF OUTLET LATERAL HEADWALL OR TIE INTO STOM SEWER SYSTEM TO BE INCLUDED IN OTHER ITEMS OF WORK.

(7) ROTATE SUPERELEVATION ABOUT PROFILE GRADE POINT.

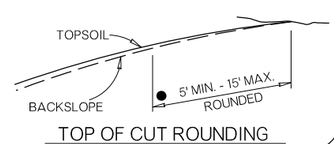
(8) CONSTRUCT ASPHALT SAFETY EDGE. SEE STANDARD PSE-2-1.

ROUNDING DETAIL

- INTERSECTION OF CUT AND/OR FILL SLOPES WITH GROUND LINE TO BE ROUNDED AS PART OF FINISHING OPERATIONS. ROUNDING SHALL BE 5' MINIMUM FOR SMALLER CUTS AND FILLS TO 15' MAXIMUM FOR LARGER CUTS AND FILLS OR AS DESIGNATED BY THE ENGINEER. COST OF ROUNDING TO BE INCLUDED IN PRICE BID FOR OTHER ITEMS OF WORK.



TOE OF FILL ROUNDING



TOP OF CUT ROUNDING

DESIGN	AKS	11/17
DRAWN	TML	11/17
CHECKED	JES	6/18
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

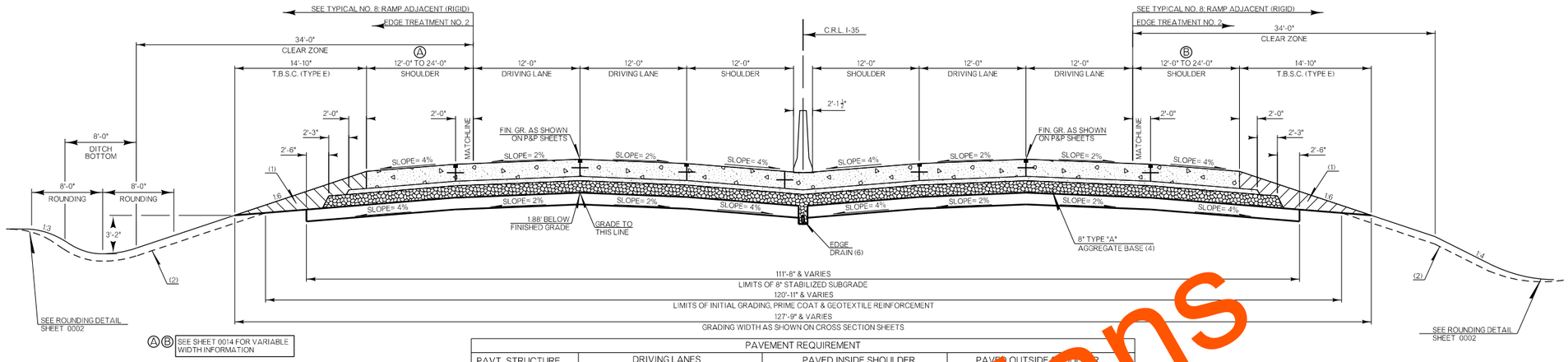
TYPICAL SECTIONS (SHEET 1 OF 12)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. 0003

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

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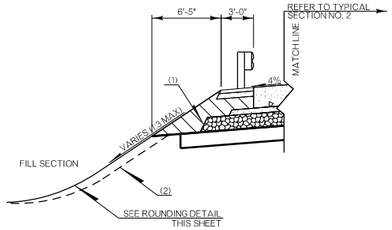


PAVEMENT REQUIREMENT			
PAVT. STRUCTURE	DRIVING LANES	PAVED INSIDE SHOULDER	PAVED OUTSIDE SHOULDER
SURFACE COURSE	11.5" DOWEL JOINTED P.C. CONCRETE	11.5" TIED P.C. CONCRETE	11.5" TIED P.C. CONCRETE
BASE COURSE	3" SUPERPAVE S3 (PG 64-22 OK)	3" SUPERPAVE S3 (PG 64-22 OK)	3" SUPERPAVE S3 (PG 64-22 OK)

TYPICAL SECTION NO. 2: I-35 (MAINLINE)

NOT TO SCALE

C.R.L. I-35 STA. 140+54.83 TO C.R.L. I-35 STA. 162+00.00

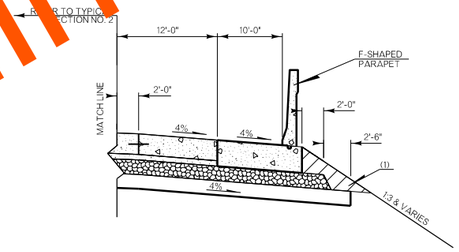


PAVEMENT REQUIREMENT	
PAVT. STRUCTURE	GUARDRAIL WIDENING
SURFACE COURSE	2" SUPERPAVE S4 (PG 64-22 OK)
BASE COURSE	3" SUPERPAVE S4 (PG 64-22 OK)

GUARDRAIL WIDENING DETAIL 2-1

NOT TO SCALE

C.R.L. I-35 STA. 149+35.15 LT TO C.R.L. I-35 153+74.37 LT



EDGE TREATMENT NO. 2

NOT TO SCALE

C.R.L. I-35 STA. 140+54.83 TO C.R.L. I-35 STA. 141+50.00

C.R.L. I-35 STA. 140+54.83 TO C.R.L. I-35 STA. 143+51.75 (MIRROR)

(1) BACKFILL NOTE:
TO BE BACKFILLED AS PART OF THE FINISHING OPERATIONS. QUANTITY IS MEASURED IN T.B.S.C. TYPE E.

(2) TOPSOIL NOTE:
THE CONTRACTOR SHALL STRIP ALL OF THE AVAILABLE TOPSOIL, STOCKPILE IT, AND PLACE IT BACK ON THE SECTION IN ACCORDANCE WITH SECTION 205 OF THE STANDARD SPECIFICATIONS. RESERVED TOPSOIL SHALL BE SPREAD FIRST ON THE COMPLETED SLOPES OF THE CUT SECTIONS AND THE REMAINDER ON COMPLETED FILL SLOPES OR OTHER PRIORITY AREAS LOCATED BY THE ENGINEER. ALL ADDITIONAL COSTS ASSOCIATED WITH OPERATIONS SHALL BE INCLUDED IN THE PAY ITEM FOR SALVAGED TOPSOIL, LUMP SUM.

THE GRADING LINE AS SHOWN ON THE TYPICAL AND CROSS SECTIONS IS TO THE TOP OF THE TOPSOIL. EARTHWORK QUANTITIES WERE NOT ADJUSTED FOR SALVAGE AND THE TOPSOIL QUANTITY IS INCLUDED IN THE MASS LINE BALANCE.

(3) DISTANCE MEASURED VERTICALLY FROM EDGE OF FINISHED GRADE SHOULDER.

(4) PRIME COAT ON TOP OF AGGREGATE BASE.

(6) EDGE DRAIN TO OUTLET TO PROPOSED DRAINAGE SYSTEM EVERY 300 FT. COST OF OUTLET LATERAL HEADWALL OR TIE INTO STOM SEWER SYSTEM TO BE INCLUDED IN OTHER ITEMS OF WORK.

(7) ROTATE SUPERELEVATION ABOUT PROFILE GRADE POINT.

(8) CONSTRUCT ASPHALT SAFETY EDGE. SEE STANDARD PSE-2-1.

Preliminary Plans

DESIGN	AKS	11/17
DRAWN	TML	11/17
CHECKED	JES	6/18
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

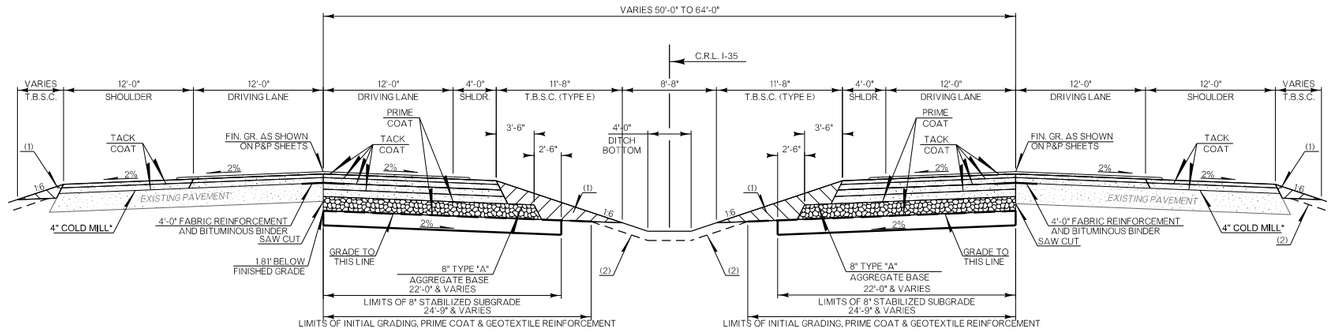
TYPICAL SECTIONS
(SHEET 2 OF 12)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. 0004

3/28/2025 9:11:53 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\JP29843(04)-Typical_002.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

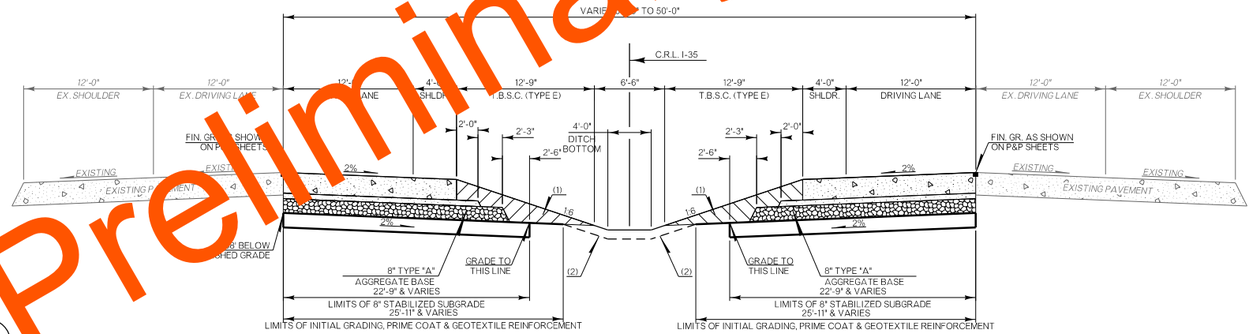
FINAL FIELD MEETING
3/28/2025



PAVEMENT REQUIREMENT			MILL AND OVERLAY
PAVT. STRUCTURE	12'-0" DRIVING LANES	4'-0" PAVED SHOULDER	12'-0" DRIVING LANE AND 12'-0" SHOULDER
SURFACE COURSE	1.25" AC TYPE PFC (76-28 OK) (EXTENDS 1.5' ON TO SHOULDERS)		
	2" SUPERPAVE S4 (PG 76-28 OK)	2" SUPERPAVE S4 (PG 64-22 OK)	2" SUPERPAVE S4 (PG 64-22 OK)
BASE COURSE	3" SUPERPAVE S3 (PG 76-28 OK)	3" SUPERPAVE S3 (PG 64-22 OK)	3" SUPERPAVE S3 (PG 64-22 OK)
	3.5" SUPERPAVE S3 (PG 64-22 OK)	3.5" SUPERPAVE S3 (PG 64-22 OK)	
	4" SUPERPAVE S3 (PG 64-22 OK)	4" SUPERPAVE S3 (PG 64-22 OK)	

*NOMINAL COLD MILLING TO TRANSITION FROM 5" TO 4" FROM CRL I-35 STA. 96+75.00 TO STA. 97+75.00, COST TO BE INCLUDED IN PRICE BID FOR "COLD MILLING PAVEMENT"

TYPICAL SECTION NO. 3: I-35 (TIE-IN)
NOT TO SCALE
C.R.L. I-35 STA. 96+75.00 TO C.R.L. I-35 STA. 102+00.00



PAVEMENT REQUIREMENT		
PAVT. STRUCTURE	DRIVING LANES	PAVED INSIDE SHOULDER
SURFACE COURSE	11.5" DOWEL JOINTED P.C. CONCRETE	11.5" TIED P.C. CONCRETE
BASE COURSE	3" SUPERPAVE S3 (PG 64-22 OK)	3" SUPERPAVE S3 (PG 64-22 OK)

TYPICAL SECTION NO. 6: I-35 (TIE-IN)
NOT TO SCALE
C.R.L. I-35 STA. 162+00.00 TO C.R.L. I-35 STA. 167+25.00

(1) BACKFILL NOTE:
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THE GRADING LINE AS SHOWN ON THE TYPICAL AND CROSS SECTIONS IS TO THE TOP OF THE TOPSOIL. EARTHWORK QUANTITIES WERE NOT ADJUSTED FOR SALVAGE AND THE TOPSOIL QUANTITY IS INCLUDED IN THE MASS LINE BALANCE.

(3) DISTANCE MEASURED VERTICALLY FROM EDGE OF FINISHED GRADE SHOULDER.

(4) PRIME COAT ON TOP OF AGGREGATE BASE.

(6) EDGE DRAIN TO OUTLET TO PROPOSED DRAINAGE SYSTEM EVERY 300 FT. COST OF OUTLET LATERAL HEADWALL OR TIE INTO STOM SEWER SYSTEM TO BE INCLUDED IN OTHER ITEMS OF WORK.

(7) ROTATE SUPERELEVATION ABOUT PROFILE GRADE POINT.

(8) CONSTRUCT ASPHALT SAFETY EDGE. SEE STANDARD PSE-2-1.

Preliminary Plans

DESIGN	AKS	11/17
DRAWN	TML	11/17
CHECKED	JES	6/18
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

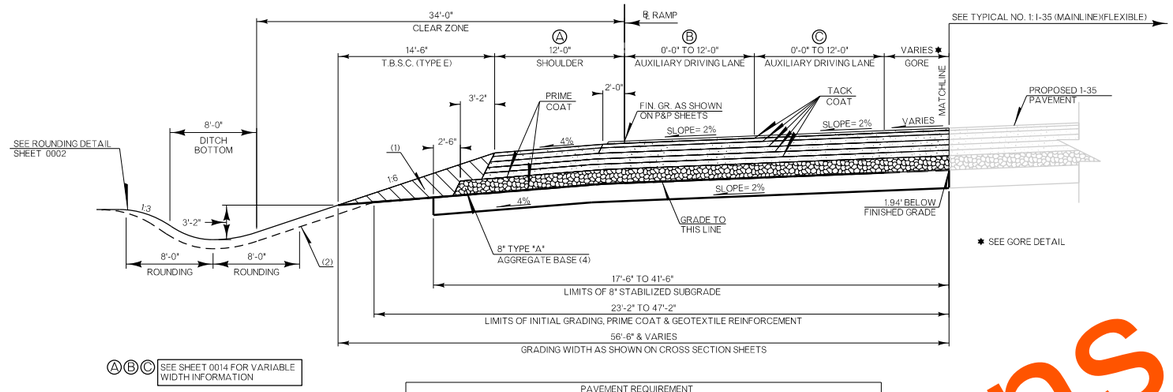
TYPICAL SECTIONS
(SHEET 3 OF 12)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. 0005

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025



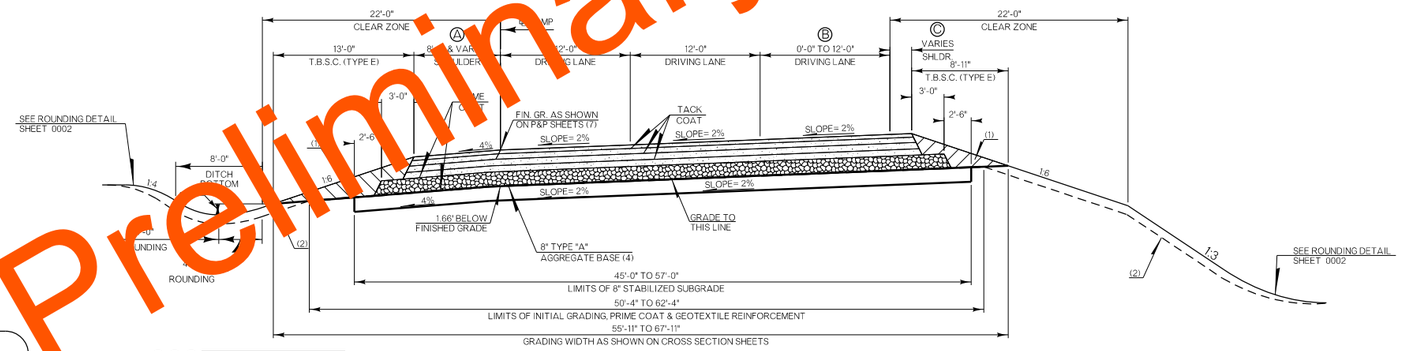
PAVEMENT REQUIREMENT		
PAVT. STRUCTURE	12'-0" DRIVING LANES	PAVED SHOULDER
SURFACE COURSE	1.25" AC TYPE PFC (76-28 OK)	EXTENDS 1.5' ON TO SHOULDER
	2" STONE MATRIX ASPHALT (PG 76-28 OK)	2" SUPERPAVE S4 (PG 64-22 OK)
BASE COURSE	3" SUPERPAVE S3 (PG 76-28 OK)	3" SUPERPAVE S3 (PG 64-22 OK)
	3" SUPERPAVE S3 (PG 64-22 OK)	3" SUPERPAVE S3 (PG 64-22 OK)
	3" SUPERPAVE S3 (PG 64-22 OK)	3" SUPERPAVE S3 (PG 64-22 OK)
	3" RICH BOTTOM LAYER (PG 64-22 OK)	3" SUPERPAVE S3 (PG 64-22 OK)

TYPICAL SECTION NO. 5: RAMP ADJACENT

NOT TO SCALE

℄ RAMP A STA. 102+30.00 TO ℄ RAMP A STA. 127+92.30

℄ RAMP B STA. 102+30.00 TO ℄ RAMP B STA. 128+[illegible]51 (MIRROR)



PAVEMENT REQUIREMENT		
PAVT. STRUCTURE	DRIVING LANES	PAVED OUTSIDE SHOULDER
SURFACE COURSE	2" SUPERPAVE S4 (PG 76-28 OK)	2" SUPERPAVE S4 (PG 64-22 OK)
BASE COURSE	3" SUPERPAVE S3 (PG 76-28 OK)	3" SUPERPAVE S3 (PG 64-22 OK)
	3.5" SUPERPAVE S3 (PG 64-22 OK)	3.5" SUPERPAVE S3 (PG 64-22 OK)
	3.5" SUPERPAVE S3 (PG 64-22 OK)	3.5" SUPERPAVE S3 (PG 64-22 OK)

TYPICAL SECTION NO. 6: RAMP PROPER

NOT TO SCALE

℄ RAMP A STA. 130+24.21 TO ℄ RAMP A STA. 137+55.90

℄ RAMP B STA. 130+87.33 TO ℄ RAMP B STA. 137+44.74 (MIRROR)

Preliminary Plans

(1) BACKFILL NOTE:
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(2) TOPSOIL NOTE:
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(3) DISTANCE MEASURED VERTICALLY FROM EDGE OF FINISHED GRADE SHOULDER.

(4) PRIME COAT ON TOP OF AGGREGATE BASE.

(6) EDGE DRAIN TO OUTLET TO PROPOSED DRAINAGE SYSTEM EVERY 300 FT. COST OF OUTLET LATERAL HEADWALL OR TIE INTO STOM SEWER SYSTEM TO BE INCLUDED IN OTHER ITEMS OF WORK.

(7) ROTATE SUPERELEVATION ABOUT PROFILE GRADE POINT.

(8) CONSTRUCT ASPHALT SAFETY EDGE. SEE STANDARD PSE-2-1.

DESIGN	AKS	11/17
DRAWN	TML	11/17
CHECKED	JES	6/18
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

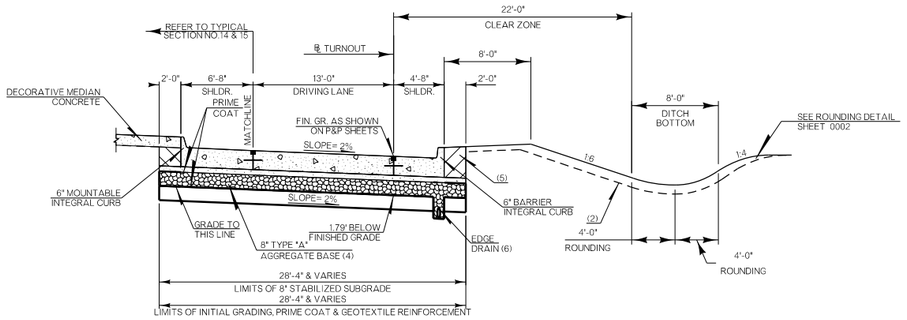
TYPICAL SECTIONS
(SHEET 4 OF 12)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. 0006

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025



PAVEMENT REQUIREMENT			
PAVT. STRUCTURE	DRIVING LANES	PAVED INSIDE SHOULDER	PAVED OUTSIDE SHOULDER
SURFACE COURSE	10.5" DOWEL JOINTED P.C. CONCRETE	10.5" TIED P.C. CONCRETE	10.5" TIED P.C. CONCRETE
BASE COURSE	3" SUPERPAVE S3 (PG 64-22 OK)	3" SUPERPAVE S3 (PG 64-22 OK)	3" SUPERPAVE S3 (PG 64-22 OK)

TYPICAL SECTION NO. 7-A: TERMINUS TURNOUT

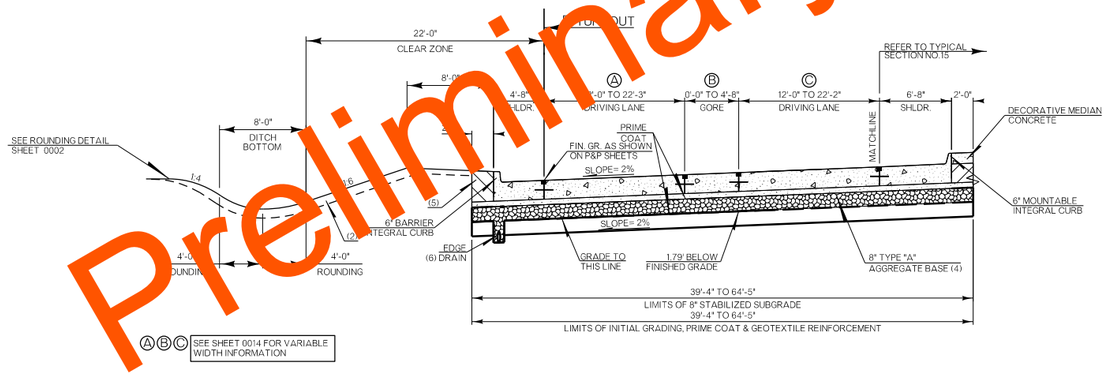
NOT TO SCALE

℄ TURNOUT E-S STA. 1+00.00 TO ℄ TURNOUT E-S STA. 3+48.61

℄ TURNOUT N-E STA. 1+00.00 TO ℄ TURNOUT N-E STA. 3+57.39

℄ TURNOUT W-S STA. 1+00.00 TO ℄ TURNOUT W-S STA. 3+11.13 (MIRROR)

Preliminary Plans



PAVEMENT REQUIREMENT			
PAVT. STRUCTURE	DRIVING LANES	PAVED INSIDE SHOULDER	PAVED OUTSIDE SHOULDER
SURFACE COURSE	10.5" DOWEL JOINTED P.C. CONCRETE	10.5" TIED P.C. CONCRETE	10.5" TIED P.C. CONCRETE
BASE COURSE	3" SUPERPAVE S3 (PG 64-22 OK)	3" SUPERPAVE S3 (PG 64-22 OK)	3" SUPERPAVE S3 (PG 64-22 OK)

TYPICAL SECTION NO. 7-B: TERMINUS TURNOUT

NOT TO SCALE

℄ TURNOUT N-W STA. 1+00.00 TO ℄ TURNOUT N-W STA. 3+12.96

(2) TOPSOIL NOTE:
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(4) PRIME COAT ON TOP OF AGGREGATE BASE.

(5) BACKFILL NOTE:
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(6) EDGE DRAIN TO OUTLET TO PROPOSED DRAINAGE SYSTEM EVERY 300 FT. COST OF OUTLET LATERAL HEADWALL OR TIE INTO STOM SEWER SYSTEM TO BE INCLUDED IN OTHER ITEMS OF WORK.

(7) ROTATE SUPERELEVATION ABOUT PROFILE GRADE POINT.

(8) CONSTRUCT ASPHALT SAFETY EDGE. SEE STANDARD PSE-2-1.

DESIGN	AKS	11/17
DRAWN	TML	11/17
CHECKED	JES	6/18
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

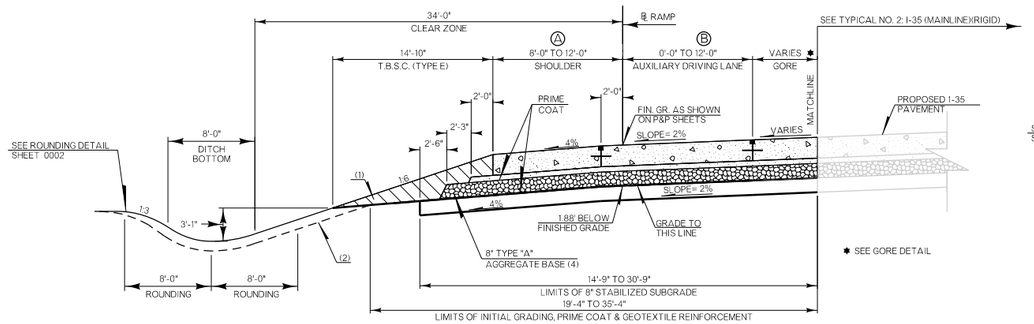
TYPICAL SECTIONS
(SHEET 5 OF 12)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. 0007

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025



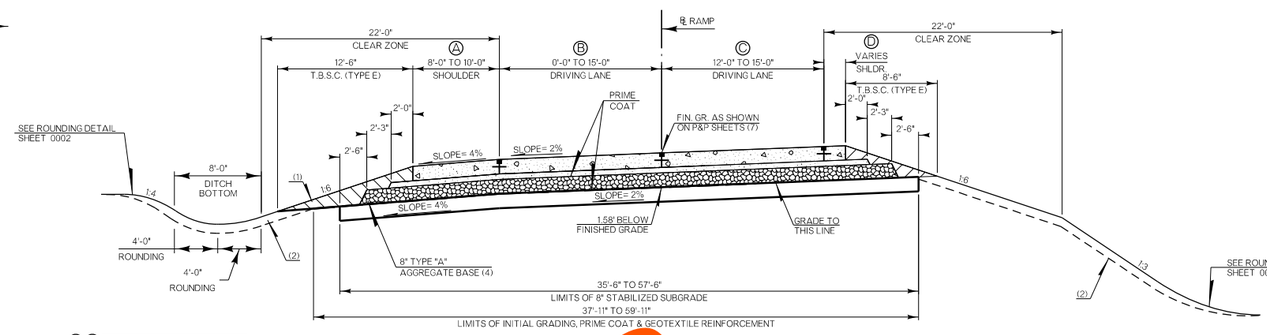
Ⓐ Ⓑ SEE SHEET 0014 FOR VARIABLE WIDTH INFORMATION

PAVEMENT REQUIREMENT		
PAVT. STRUCTURE	DRIVING LANES	PAVED OUTSIDE SHOULDER
SURFACE COURSE	11.5" DOWEL JOINTED P.C. CONCRETE	11.5" TIED P.C. CONCRETE
BASE COURSE	3" SUPERPAVE S3 (PG 64-22 OK)	3" SUPERPAVE S3 (PG 64-22 OK)

TYPICAL SECTION NO. 8: RAMP ADJACENT

NOT TO SCALE

℄ RAMP C STA. 147+79.91 TO ℄ RAMP C STA. 160+39.21
℄ RAMP D STA. 148+24.29 TO ℄ RAMP D STA. 161+51.94 (MIRROR)



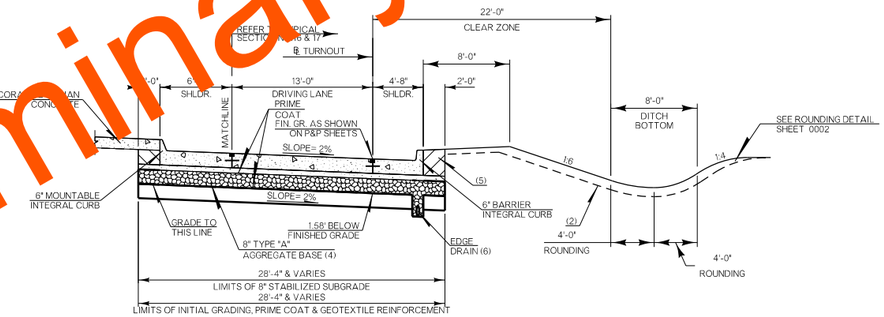
Ⓐ Ⓑ Ⓒ Ⓓ SEE SHEET 0014 FOR VARIABLE WIDTH INFORMATION

PAVEMENT REQUIREMENT		
PAVT. STRUCTURE	DRIVING LANES	PAVED OUTSIDE SHOULDER
SURFACE COURSE	8" DOWEL JOINTED P.C. CONCRETE	8" TIED P.C. CONCRETE
BASE COURSE	3" SUPERPAVE S3 (PG 64-22 OK)	3" SUPERPAVE S3 (PG 64-22 OK)

TYPICAL SECTION NO. 9: RAMP PROPER

NOT TO SCALE

℄ RAMP C STA. 141+[illegible]50 TO ℄ RAMP C STA. 147+79.91
℄ RAMP C STA. [illegible] TO ℄ RAMP D STA. 148+24.29 (MIRROR)



PAVEMENT REQUIREMENT			
PAVT. STRUCTURE	DRIVING LANES	PAVED INSIDE SHOULDER	PAVED OUTSIDE SHOULDER
SURFACE COURSE	8" DOWEL JOINTED P.C. CONCRETE	8" TIED P.C. CONCRETE	8" TIED P.C. CONCRETE
BASE COURSE	3" SUPERPAVE S3 (PG 64-22 OK)	3" SUPERPAVE S3 (PG 64-22 OK)	3" SUPERPAVE S3 (PG 64-22 OK)

TYPICAL SECTION NO. 10: TERMINNUS TURNOUT

NOT TO SCALE

℄ TURNOUT E-N STA. 1+00.00 TO ℄ TURNOUT E-N STA. 3+09.81
℄ TURNOUT S-E STA. 1+00.00 TO ℄ TURNOUT S-E STA. 2+94.38
℄ TURNOUT S-W STA. 1+00.00 TO ℄ TURNOUT S-W STA. 3+61.21
℄ TURNOUT W-N STA. 1+00.00 TO ℄ TURNOUT W-N STA. 3+63.58

Preliminary Plans

(1) BACKFILL NOTE:
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(3) DISTANCE MEASURED VERTICALLY FROM EDGE OF FINISHED GRADE SHOULDER.

(4) PRIME COAT ON TOP OF AGGREGATE BASE.

(5) BACKFILL NOTE:
TO BE BACKFILLED AND COMPACTED AS PART OF THE FINISHING OPERATIONS.
QUANTITY IS MEASURED IN UNCLASSIFIED BORROW.

(6) EDGE DRAIN TO OUTLET TO PROPOSED DRAINAGE SYSTEM EVERY 300 FT. COST OF OUTLET LATERAL HEADWALL OR TIE INTO STOM SEWER SYSTEM TO BE INCLUDED IN OTHER ITEMS OF WORK.

(7) ROTATE SUPERELEVATION ABOUT PROFILE GRADE POINT.

(8) CONSTRUCT ASPHALT SAFETY EDGE. SEE STANDARD PSE-2-1.

DESIGN	AKS	11/17
DRAWN	TML	11/17
CHECKED	JES	6/18
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

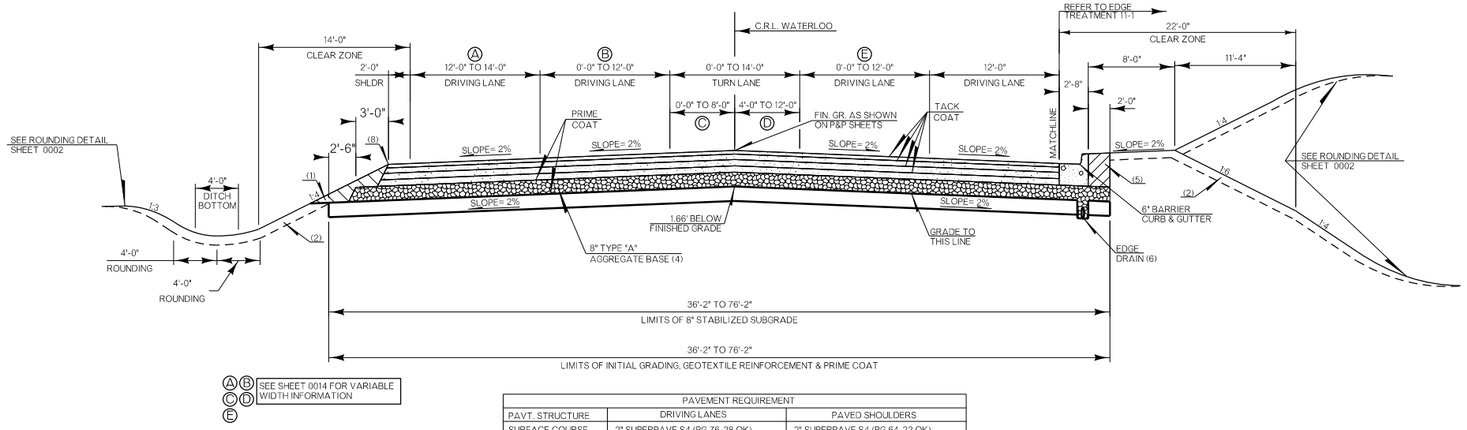
TYPICAL SECTIONS
(SHEET 6 OF 12)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. 0008

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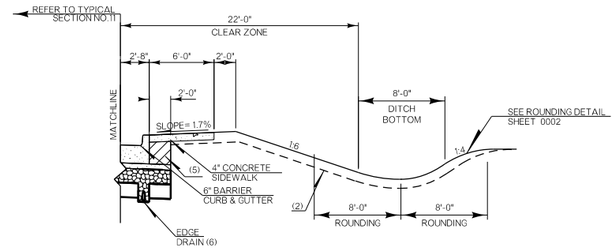
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025

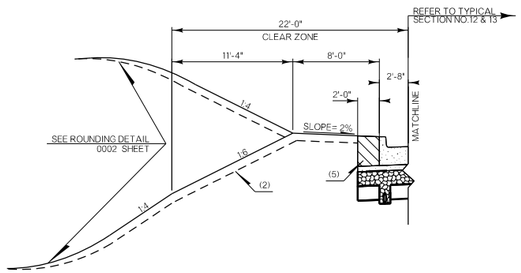


PAVEMENT REQUIREMENT		
PAVT. STRUCTURE	DRIVING LANES	PAVED SHOULDERS
SURFACE COURSE	2" SUPERPAVE S4 (PG 76-28 OK)	2" SUPERPAVE S4 (PG 64-22 OK)
BASE COURSE	3" SUPERPAVE S3 (PG 76-28 OK)	3" SUPERPAVE S3 (PG 64-22 OK)
	3.5" SUPERPAVE S3 (PG 64-22 OK)	3.5" SUPERPAVE S3 (PG 64-22 OK)
	3.5" SUPERPAVE S3 (PG 64-22 OK)	3.5" SUPERPAVE S3 (PG 64-22 OK)

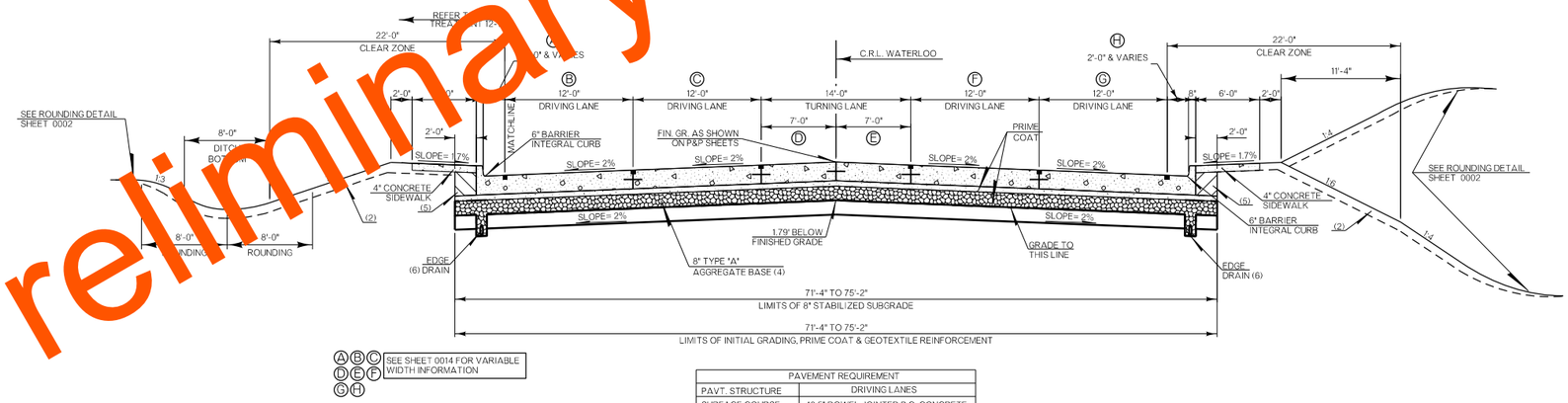
TYPICAL SECTION NO. 11 - WATERLOO WEST TRANSITION
C.R.L. STA. 40+05.90 TO C.R.L. STA 54+44.37



EDGE TREATMENT 11-1
C.R.L. WATERLOO RD. STA. 44+37.34 TO C.R.L. WATERLOO RD. STA. 54+44.37



EDGE TREATMENT 12-1
C.R.L. WATERLOO RD. STA. 54+44.37 TO C.R.L. WATERLOO RD. STA. 55+06.32



PAVEMENT REQUIREMENT	
PAVT. STRUCTURE	DRIVING LANES
SURFACE COURSE	10.5" DOWEL JOINTED P.C. CONCRETE
BASE COURSE	3" SUPERPAVE S3 (PG 64-22 OK)

TYPICAL SECTION NO. 12: WATERLOO RD. (5-LANE)
NOT TO SCALE
C.R.L. WATERLOO RD. STA. 54+44.37 TO C.R.L. WATERLOO RD. STA. 56+02.92
C.R.L. WATERLOO RD. STA. 73+32.52 TO C.R.L. WATERLOO RD. STA. 80+00.00

(1) BACKFILL NOTE:
TO BE BACKFILLED AS PART OF THE FINISHING OPERATIONS.
QUANTITY IS MEASURED IN T.B.S.C. TYPE E.

(2) TOPSOIL NOTE:
THE CONTRACTOR SHALL STRIP ALL OF THE AVAILABLE TOPSOIL, STOCKPILE IT, AND PLACE IT BACK ON THE SECTION IN ACCORDANCE WITH SECTION 205 OF THE STANDARD SPECIFICATIONS. RESERVED TOPSOIL SHALL BE SPREAD FIRST ON THE COMPLETED SLOPES OF THE CUT SECTIONS AND THE REMAINDER ON COMPLETED FILL SLOPES OR OTHER PRIORITY AREAS LOCATED BY THE ENGINEER. ALL ADDITIONAL COSTS ASSOCIATED WITH OPERATIONS SHALL BE INCLUDED IN THE PAY ITEM FOR SALVAGED TOPSOIL, LUMP SUM.

THE GRADING LINE AS SHOWN ON THE TYPICAL AND CROSS SECTIONS IS TO THE TOP OF THE TOPSOIL. EARTHWORK QUANTITIES WERE NOT ADJUSTED FOR SALVAGE AND THE TOPSOIL QUANTITY IS INCLUDED IN THE MASS LINE BALANCE.

(3) DISTANCE MEASURED VERTICALLY FROM EDGE OF FINISHED GRADE SHOULDER.

(4) PRIME COAT ON TOP OF AGGREGATE BASE.

(5) BACKFILL NOTE:
TO BE BACKFILLED AND COMPACTED AS PART OF THE FINISHING OPERATIONS.
QUANTITY IS MEASURED IN UNCLASSIFIED BORROW.

(6) EDGE DRAIN TO OUTLET TO PROPOSED DRAINAGE SYSTEM EVERY 300 FT. COST OF OUTLET LATERAL HEADWALL OR TIE INTO STOM SEWER SYSTEM TO BE INCLUDED IN OTHER ITEMS OF WORK.

(7) ROTATE SUPERELEVATION ABOUT PROFILE GRADE POINT.

(8) CONSTRUCT ASPHALT SAFETY EDGE. SEE STANDARD PSE-2-1.

Preliminary Plans

DESIGN	AKS	11/17
DRAWN	TML	11/17
CHECKED	JES	6/18
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

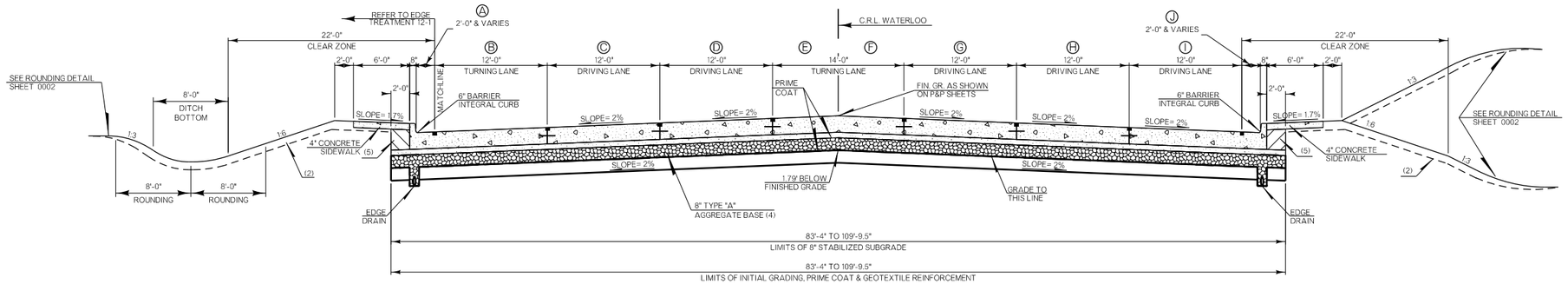
TYPICAL SECTIONS
(SHEET 7 OF 12)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. 0009

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

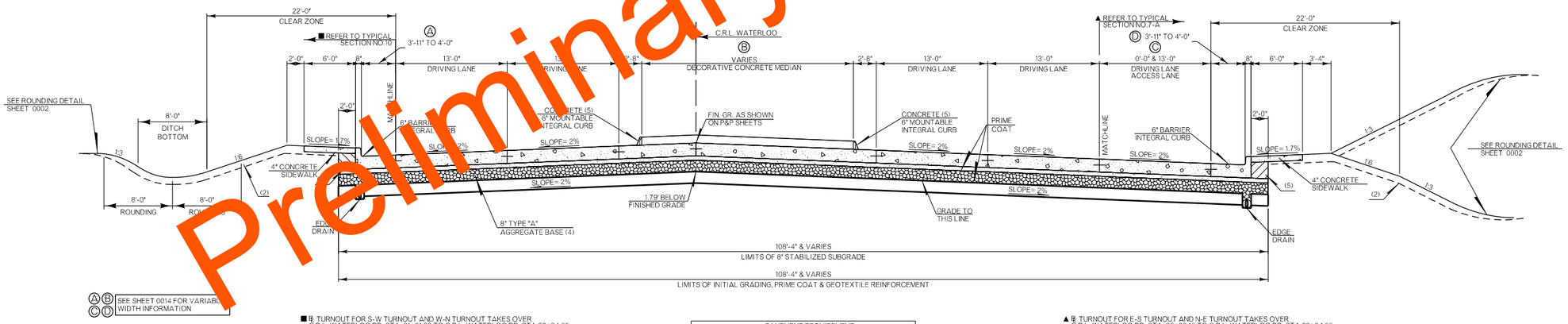
FINAL FIELD MEETING
3/28/2025



PAVEMENT REQUIREMENT	
P.AVT. STRUCTURE	DRIVING LANES
SURFACE COURSE	10.5" DOWEL JOINTED P.C. CONCRETE
BASE COURSE	3" SUPERPAVE S3 (PG 64-22 OK)

TYPICAL SECTION NO. 13: WATERLOO RD. (7-LANE)
NOT TO SCALE
C.R.L. WATERLOO RD. STA. 56+02.92 TO C.R.L. WATERLOO RD. STA. 60+

Preliminary Plans



■ TURNOUT FOR S-W TURNOUT AND W-N TURNOUT TAKES OVER
C.R.L. WATERLOO RD. STA. 61+81.33 TO C.R.L. WATERLOO RD. STA.62+84.55
C.R.L. WATERLOO RD. STA. 70+40.00 TO C.R.L. WATERLOO RD. STA. 71+36.96

PAVEMENT REQUIREMENT	
PAVT. STRUCTURE	DRIVING LANES
SURFACE COURSE	10.5" DOWEL JOINTED P.C. CONCRETE
BASE COURSE	3" SUPERPAVE S3 (PG 64-22 OK)

▲ TURNOUT FOR E-S TURNOUT AND N-E TURNOUT TAKES OVER
C.R.L. WATERLOO RD. STA. 62+02.15 TO C.R.L. WATERLOO RD. STA.62+84.55
C.R.L. WATERLOO RD. STA. 70+40.00 TO C.R.L. WATERLOO RD. STA. 71+31.40

TYPICAL SECTION NO. 14: WATERLOO RD. (OFFSET MEDIAN)
NOT TO SCALE
C.R.L. WATERLOO RD. STA. 60+78.74 TO C.R.L. WATERLOO RD. STA. 62+84.55
C.R.L. WATERLOO RD. STA. 70+40.00 TO C.R.L. WATERLOO RD. STA. 73+32.52

(2) TOPSOIL NOTE:
THE CONTRACTOR SHALL STRIP ALL OF THE AVAILABLE TOPSOIL, STOCKPILE IT, AND PLACE IT BACK ON THE SECTION IN ACCORDANCE WITH SECTION 205 OF THE STANDARD SPECIFICATIONS. RESERVED TOPSOIL SHALL BE SPREAD FIRST ON THE COMPLETED SLOPES OF THE CUT SECTIONS AND THE REMAINDER ON COMPLETED FILL SLOPES OR OTHER PRIORITY AREAS LOCATED BY THE ENGINEER. ALL ADDITIONAL COSTS ASSOCIATED WITH OPERATIONS SHALL BE INCLUDED IN THE PAY ITEM FOR SALVAGED TOPSOIL, LUMP SUM.

THE GRADING LINE AS SHOWN ON THE TYPICAL AND CROSS SECTIONS IS TO THE TOP OF THE TOPSOIL. EARTHWORK QUANTITIES WERE NOT ADJUSTED FOR SALVAGE AND THE TOPSOIL QUANTITY IS INCLUDED IN THE MASS LINE BALANCE.

(3) DISTANCE MEASURED VERTICALLY FROM EDGE OF FINISHED GRADE SHOULDER.

(4) PRIME COAT ON TOP OF AGGREGATE BASE.

(5) BACKFILL NOTE:
TO BE BACKFILLED AND COMPACTED AS PART OF THE FINISHING OPERATIONS. QUANTITY IS MEASURED IN UNCLASSIFIED BORROW.

(6) EDGE DRAIN TO OUTLET TO PROPOSED DRAINAGE SYSTEM EVERY 300 FT. COST OF OUTLET LATERAL HEADWALL OR TIE INTO STOM SEWER SYSTEM TO BE INCLUDED IN OTHER ITEMS OF WORK.

(7) ROTATE SUPERELEVATION ABOUT PROFILE GRADE POINT.

(8) CONSTRUCT ASPHALT SAFETY EDGE. SEE STANDARD PSE-2-1.

DESIGN	AKS	11/17
DRAWN	TML	11/17
CHECKED	JES	6/18
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
(SHEET 8 OF 12)

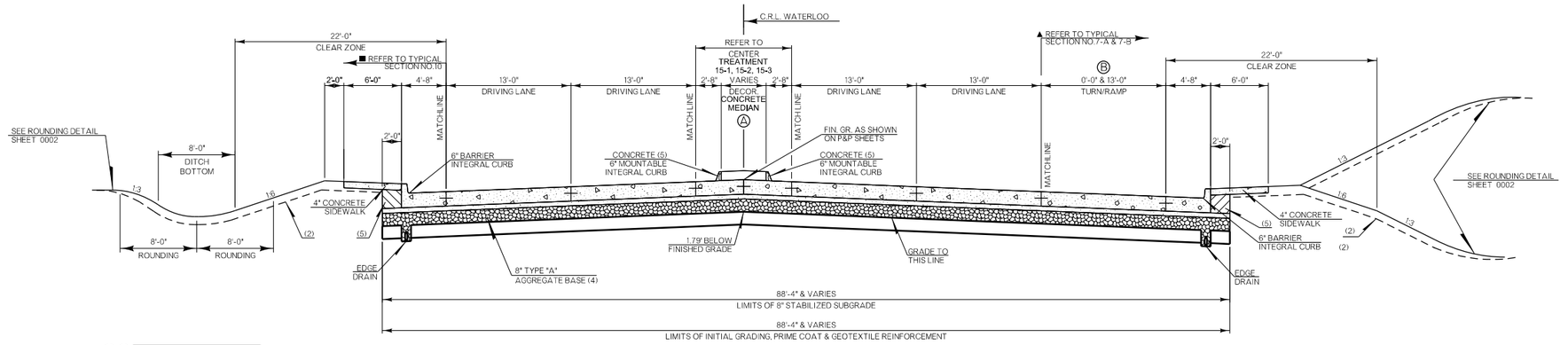
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. 0010

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025



■ Ⓑ TURNOUT FOR S-E TURNOUT AND E-N TURNOUT TAKES OVER
C.R.L. WATERLOO RD. STA. 62+84.55 TO C.R.L. WATERLOO RD. STA.65+06.84
C.R.L. WATERLOO RD. STA. 68+18.00 TO C.R.L. WATERLOO RD. STA. 70+40.00

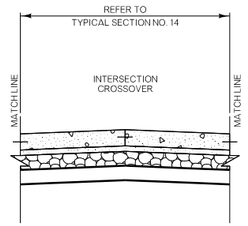
PAVEMENT REQUIREMENT	
PAVT. STRUCTURE	DRIVING LANES
SURFACE COURSE	10.5" DOWEL JOINTED P.C. CONCRETE
BASE COURSE	3" SUPERPAVE S3 (PG 64-22 OK)

▲ Ⓑ TURNOUT FOR W-S TURNOUT AND N-W TURNOUT TAKES OVER
C.R.L. WATERLOO RD. STA. 62+84.55 TO C.R.L. WATERLOO RD. STA.65+50.00
C.R.L. WATERLOO RD. STA. 67+97.22 TO C.R.L. WATERLOO RD. STA. 70+40.00

TYPICAL SECTION NO. 15: WATERLOO RD. (CENTERED MEDIAN)

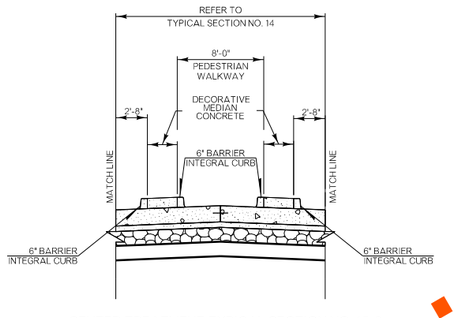
NOT TO SCALE

C.R.L. WATERLOO RD. STA. 62+84.55 TO C.R.L. WATERLOO RD. STA. 70+40.00



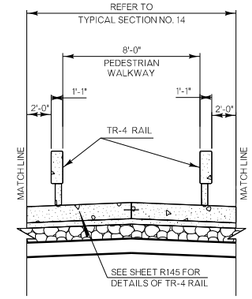
CENTER TREATMENT TYPICAL SECTION NO. 15-1

C.R.L. STA. 62+84.55 TO C.R.L. STA. 63+82.63
C.R.L. STA. 69+41.84 TO C.R.L. STA. 70+40.00



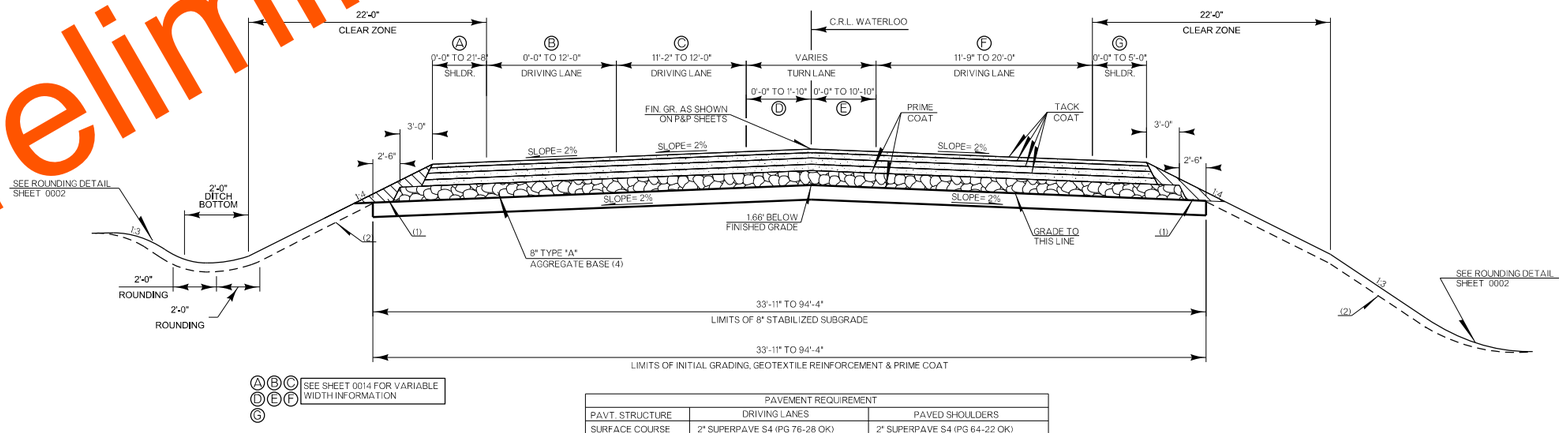
CENTER TREATMENT TYPICAL SECTION NO. 15-2

C.R.L. STA. 63+82.63 TO C.R.L. STA 65+50.00
C.R.L. STA. 67+75.00 TO C.R.L. STA 69+41.84



CENTER TREATMENT TYPICAL SECTION NO. 15-3

C.R.L. STA. 65+50.00 TO C.R.L. STA 67+75.00



PAVEMENT REQUIREMENT		
PAVT. STRUCTURE	DRIVING LANES	PAVED SHOULDERS
SURFACE COURSE	2" SUPERPAVE S4 (PG 76-28 OK)	2" SUPERPAVE S4 (PG 64-22 OK)
BASE COURSE	3" SUPERPAVE S3 (PG 76-28 OK)	3" SUPERPAVE S3 (PG 64-22 OK)
	3.5" SUPERPAVE S3 (PG 64-22 OK)	3.5" SUPERPAVE S3 (PG 64-22 OK)
	3.5" SUPERPAVE S3 (PG 64-22 OK)	3.5" SUPERPAVE S3 (PG 64-22 OK)

TYPICAL SECTION NO. 16 - WATERLOO EAST TRANSITION

C.R.L. WATERLOO STA. 80+00.00 TO C.R.L. WATERLOO STA 84+05.00

(1) BACKFILL NOTE:
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QUANTITY IS MEASURED IN T.B.S.C. TYPE E.

(2) TOPSOIL NOTE:
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(3) DISTANCE MEASURED VERTICALLY FROM EDGE OF FINISHED GRADE SHOULDER.

(4) PRIME COAT ON TOP OF AGGREGATE BASE.

(5) BACKFILL NOTE:
TO BE BACKFILLED AND COMPACTED AS PART OF THE FINISHING OPERATIONS.
QUANTITY IS MEASURED IN UNCLASSIFIED BORROW.

(6) EDGE DRAIN TO OUTLET TO PROPOSED DRAINAGE SYSTEM EVERY 300 FT. COST OF OUTLET LATERAL HEADWALL OR TIE INTO STOM SEWER SYSTEM TO BE INCLUDED IN OTHER ITEMS OF WORK.

(7) ROTATE SUPERELEVATION ABOUT PROFILE GRADE POINT.

(8) CONSTRUCT ASPHALT SAFETY EDGE. SEE STANDARD PSE-2-1.

Preliminary Plans

DESIGN	AKS	11/17
DRAWN	TML	11/17
CHECKED	JES	6/18
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

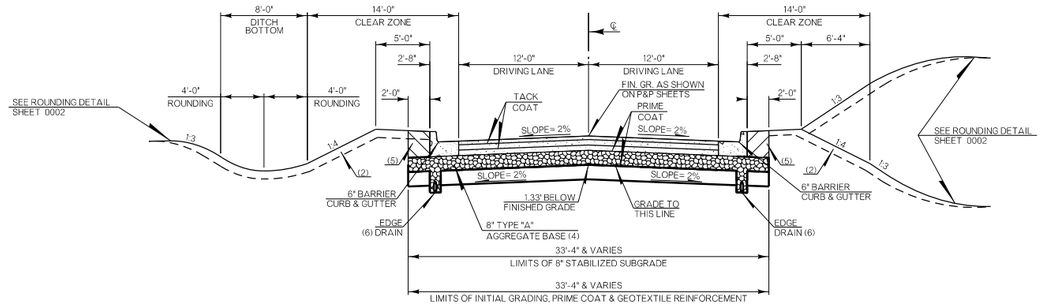
TYPICAL SECTIONS
(SHEET 9 OF 12)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. 0011

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025



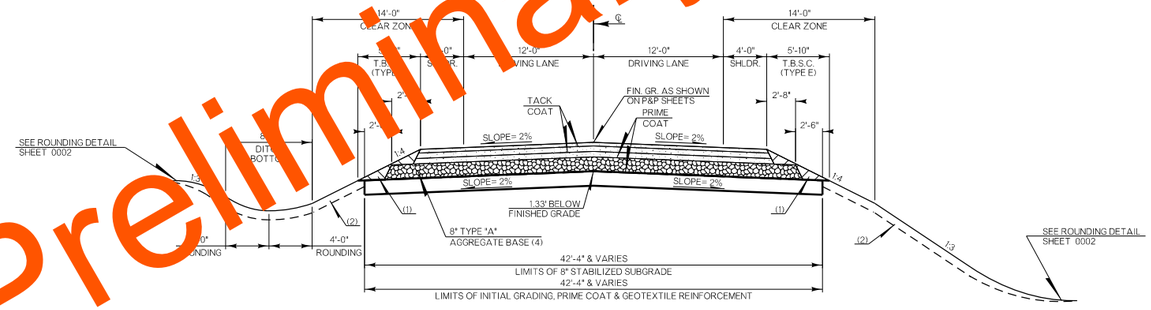
PAVEMENT REQUIREMENT	
PAVT. STRUCTURE	DRIVING LANES
SURFACE COURSE	2" SUPERPAVE S4 (PG 64-22 OK)
BASE COURSE	3" SUPERPAVE S3 (PG 64-22 OK)
	3" SUPERPAVE S3 (PG 64-22 OK)

TYPICAL SECTION NO. 17: SIDE ROAD (CURBED)

NOT TO SCALE

℄ BOUCHER RD. STA. 13+82.00 TO ℄ BOUCHER RD. STA. 15+75.39
℄ FRONTAGE RD. STA. 10+28.00 TO ℄ FRONTAGE RD. STA. 15+94.85

Preliminary Plans



PAVEMENT REQUIREMENT	
PAVT. STRUCTURE	DRIVING LANES
SURFACE COURSE	2" SUPERPAVE S4 (PG 64-22 OK)
BASE COURSE	3" SUPERPAVE S3 (PG 64-22 OK)
	3" SUPERPAVE S3 (PG 64-22 OK)

TYPICAL SECTION NO. 18: SIDE ROAD (OPEN)

NOT TO SCALE

C.R.L. BOUCHER RD. STA. 11+61.65 TO C.R.L. BOUCHER RD. STA. 13+82.00
C.R.L. FRONTAGE RD. STA. 15+94.85 TO C.R.L. FRONTAGE RD. STA. 16+45.00
C.R.L. INDUSTRIAL BLVD. STA. 10+00.00 TO C.R.L. INDUSTRIAL BLVD. STA. 20+17.19

(1) BACKFILL NOTE:
TO BE BACKFILLED AS PART OF THE FINISHING OPERATIONS.
QUANTITY IS MEASURED IN T.B.S.C. TYPE E.

(2) TOPSOIL NOTE:
THE CONTRACTOR SHALL STRIP ALL OF THE AVAILABLE TOPSOIL, STOCKPILE IT, AND PLACE IT BACK ON THE SECTION IN ACCORDANCE WITH SECTION 205 OF THE STANDARD SPECIFICATIONS. RESERVED TOPSOIL SHALL BE SPREAD FIRST ON THE COMPLETED SLOPES OF THE CUT SECTIONS AND THE REMAINDER ON COMPLETED FILL SLOPES OR OTHER PRIORITY AREAS LOCATED BY THE ENGINEER. ALL ADDITIONAL COSTS ASSOCIATED WITH OPERATIONS SHALL BE INCLUDED IN THE PAY ITEM FOR SALVAGED TOPSOIL, LUMP SUM.

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(3) DISTANCE MEASURED VERTICALLY FROM EDGE OF FINISHED GRADE SHOULDER.

(4) PRIME COAT ON TOP OF AGGREGATE BASE.

(5) BACKFILL NOTE:
TO BE BACKFILLED AND COMPACTED AS PART OF THE FINISHING OPERATIONS.
QUANTITY IS MEASURED IN UNCLASSIFIED BORROW.

(6) EDGE DRAIN TO OUTLET TO PROPOSED DRAINAGE SYSTEM EVERY 300 FT. COST OF OUTLET LATERAL HEADWALL OR TIE INTO STOM SEWER SYSTEM TO BE INCLUDED IN OTHER ITEMS OF WORK.

(7) ROTATE SUPERELEVATION ABOUT PROFILE GRADE POINT.

(8) CONSTRUCT ASPHALT SAFETY EDGE. SEE STANDARD PSE-2-1.

DESIGN	AKS	11/17
DRAWN	TML	11/17
CHECKED	JES	6/18
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

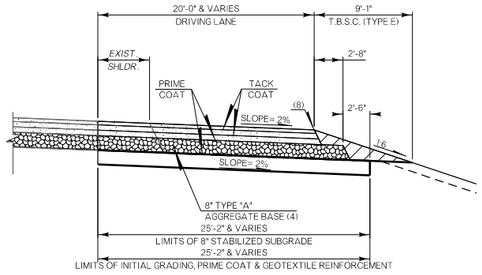
TYPICAL SECTIONS
(SHEET 10 OF 12)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. 0012

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025

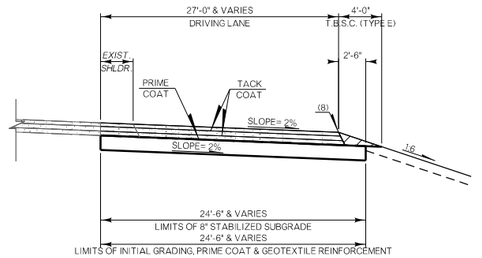


PAVEMENT REQUIREMENT	
PAVT. STRUCTURE	DRIVING LANES
SURFACE COURSE	2" SUPERPAVE S4 (PG 64-22 OK)
BASE COURSE	3" SUPERPAVE S3 (PG 64-22 OK)
	3" SUPERPAVE S3 (PG 64-22 OK)

TYPICAL SECTION NO. 19: I-35 TEMPORARY WIDENING

NOT TO SCALE

C.R.L. I-35 STA. 91+35.00 TO C.R.L. I-35 STA. 129+62.07
C.R.L. I-35 STA. 91+95.43 TO C.R.L. I-35 STA. 133+50.00
C.R.L. I-35 STA. 129+42.16 TO C.R.L. I-35 STA. 138+61.96
C.R.L. I-35 STA. 130+27.77 TO C.R.L. I-35 STA. 137+00.00 (MIRROR)
C.R.L. I-35 STA. 145+00.00TO C.R.L. I-35 STA. 172+01.78
C.R.L. I-35 STA. 152+42.40 TO C.R.L. I-35 STA. 172+65.15

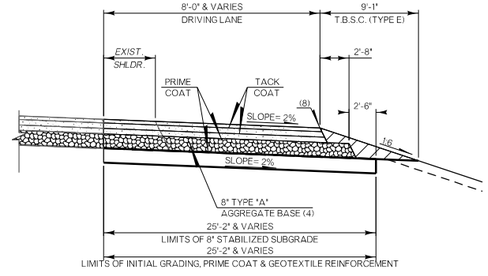


PAVEMENT REQUIREMENT	
PAVT. STRUCTURE	DRIVING LANES
SURFACE COURSE	2" SUPERPAVE S4 (PG 64-22 OK)
BASE COURSE	2.5" SUPERPAVE S3 (PG 64-22 OK)
	2.5" SUPERPAVE S3 (PG 64-22 OK)

TYPICAL SECTION NO. 21: LOCAL ROAD TEMPORARY WIDENING

NOT TO SCALE

C.R.L. BOUCHER RD. STA. 11+99.1[illegible] C.R.L. BOUCHER RD. STA. 12+55.[illegible] (MIRROR)
C.R.L. BOUCHER RD. STA. [illegible]03.00 TO C.R.L. BOUCHER RD. STA. 14[illegible]
C.R.L. BOUCHER RD. STA. 13[illegible]25 TO C.R.L. BOUCHER RD. STA. 15+83.30 (MIRROR)
C.R.L. FRONTAGE RD. STA. [illegible]20.07 TO C.R.L. FRONTAGE RD. STA. 16+77.96
C.R.L. FRONTAGE RD. STA. 15+35.[illegible] C.R.L. FRONTAGE RD. STA. 16+72.45 (MIRROR)

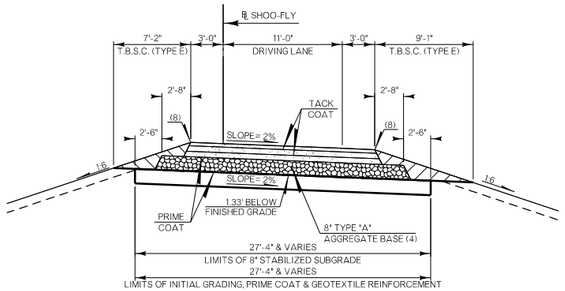


PAVEMENT REQUIREMENT	
PAVT. STRUCTURE	DRIVING LANES
SURFACE COURSE	2" SUPERPAVE S4 (PG 64-22 OK)
BASE COURSE	3" SUPERPAVE S3 (PG 64-22 OK)
	3" SUPERPAVE S3 (PG 64-22 OK)

TYPICAL SECTION NO. 20: WATERLOO RD. TEMPORARY WIDENING

NOT TO SCALE

C.R.L. WATERLOO RD. STA. 40+28.11TO C.R.L. WATERLOO RD. STA. 51+39.43
C.R.L. WATERLOO RD. STA. 56+95.53 TO C.R.L. WATERLOO RD. STA. 59+39.02
C.R.L. WATERLOO RD. STA. 62+05.00 TO C.R.L. WATERLOO RD. STA. 63+57.13 (MIRROR)
C.R.L. WATERLOO RD. STA. 63+65.00 TO C.R.L. WATERLOO RD. STA. 63+80.00 (MIRROR)
C.R.L. WATERLOO RD. STA. 63+94.56 TO C.R.L. WATERLOO RD. STA. 65+15.00 (MIRROR)
C.R.L. WATERLOO RD. STA. 64+05.11 TO C.R.L. WATERLOO RD. STA. 69+46.61
C.R.L. WATERLOO RD. STA. 69+15.00 TO C.R.L. WATERLOO RD. STA. 69+52.50 (MIRROR)
C.R.L. WATERLOO RD. STA. 69+71.85 TO C.R.L. WATERLOO RD. STA. 79+40.02
C.R.L. WATERLOO RD. STA. 69+85.05 TO C.R.L. WATERLOO RD. STA. 70+30.00 (MIRROR)



PAVEMENT REQUIREMENT	
PAVT. STRUCTURE	DRIVING LANES
SURFACE COURSE	2" SUPERPAVE S4 (PG 64-22 OK)
BASE COURSE	3" SUPERPAVE S3 (PG 64-22 OK)
	3" SUPERPAVE S3 (PG 64-22 OK)

TYPICAL SECTION NO. 22: SHOO-FLY

NOT TO SCALE

C.R.L. I-35 STA. 133+50.00 TO C.R.L. I-35 145+00.00
℄ RAMP A-1 STA. 50+28.31 TO ℄ RAMP A-1 STA. 53+71.41
℄ RAMP A-2 STA. 60+00.00 TO ℄ RAMP A-2 STA. 61+34.70
℄ RAMP A-3 STA. 69+36.13 TO ℄ RAMP A-3 STA. 72+82.64
℄ RAMP B-1 STA. 50+00.00 TO ℄ RAMP B-1 STA. 53+50.70
℄ RAMP B-2 STA. 60+00.00 TO ℄ RAMP B-2 STA. 63+52.87
℄ RAMP C-1 STA. 50+41.23 TO ℄ RAMP C-1 STA. 54+63.12

(1) BACKFILL NOTE:
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QUANTITY IS MEASURED IN T.B.S.C. TYPE E.

(2) TOPSOIL NOTE:
THE CONTRACTOR SHALL STRIP ALL OF THE AVAILABLE TOPSOIL, STOCKPILE IT, AND PLACE IT BACK ON THE SECTION IN ACCORDANCE WITH SECTION 205 OF THE STANDARD SPECIFICATIONS. RESERVED TOPSOIL SHALL BE SPREAD FIRST ON THE COMPLETED SLOPES OF THE CUT SECTIONS AND THE REMAINDER ON COMPLETED FILL SLOPES OR OTHER PRIORITY AREAS LOCATED BY THE ENGINEER. ALL ADDITIONAL COSTS ASSOCIATED WITH OPERATIONS SHALL BE INCLUDED IN THE PAY ITEM FOR SALVAGED TOPSOIL, LUMP SUM.

THE GRADING LINE AS SHOWN ON THE TYPICAL AND CROSS SECTIONS IS TO THE TOP OF THE TOPSOIL. EARTHWORK QUANTITIES WERE NOT ADJUSTED FOR SALVAGE AND THE TOPSOIL QUANTITY IS INCLUDED IN THE MASS LINE BALANCE.

(3) DISTANCE MEASURED VERTICALLY FROM EDGE OF FINISHED GRADE SHOULDER.

(4) PRIME COAT ON TOP OF AGGREGATE BASE.

(6) EDGE DRAIN TO OUTLET TO PROPOSED DRAINAGE SYSTEM EVERY 300 FT. COST OF OUTLET LATERAL HEADWALL OR TIE INTO STOM SEWER SYSTEM TO BE INCLUDED IN OTHER ITEMS OF WORK.

(7) ROTATE SUPERELEVATION ABOUT PROFILE GRADE POINT.

(8) CONSTRUCT ASPHALT SAFETY EDGE. SEE STANDARD PSE-2-1.

Preliminary Plans

DESIGN	AKS	11/17
DRAWN	TML	11/17
CHECKED	JES	6/18
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
(SHEET 11 OF 12)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. 0013

3/28/2025 9:12:26 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\JP29843(04)-Typical_011.dgn

TYPICAL SECTION NO. 1

ALIGN	SEGMENT	VARIABLE WIDTH	STATION EXTENTS
I-35	A	12'-0"	102+00.00 TO 102+30.00
		SEE TYPICAL NO. 5	102+30.00 TO 130+90.50
		17'-4" TO 12'-0"	130+90.50 TO 133+56.00
		12'-0"	133+56.00 TO 133+88.25
		12'-0" TO 24'-0"	133+88.25 TO 134+88.25
		EDGE TREATMENT NO. 1	134+88.25 TO 137+88.17
	B	12'-0"	102+00.00 TO 102+30.00
		SEE TYPICAL NO. 5	102+30.00 TO 130+28.00
		12'-0"	130+28.00 TO 136+00.00
		12'-0" TO 24'-0"	136+00.00 TO 137+00.00
		EDGE TREATMENT NO. 1	137+00.00 TO 137+88.17

TYPICAL SECTION NO. 2

ALIGN	SEGMENT	VARIABLE WIDTH	STATION EXTENTS
I-35	A	EDGE TREATMENT NO. 1	140+54.83 TO 143+51.75
		24'-0" TO 12'-0"	143+51.75 TO 144+51.75
		12'-0"	144+51.75 TO 147+78.00
		SEE TYPICAL NO. 10	147+78.00 TO 160+39.25
		12'-0"	160+39.25 TO 162+00.00
	B	EDGE TREATMENT NO. 1	140+54.83 TO 141+50.00
		24'-0" TO 12'-0"	141+50.00 TO 142+50.00
		12'-0"	142+50.00 TO 148+22.80
		SEE TYPICAL NO. 10	148+22.80 TO 161+52.00
		12'-0"	161+52.00 TO 162+00.00

TYPICAL SECTION NO. 5

ALIGN	SEGMENT	VARIABLE WIDTH	STATION EXTENTS
RAMP A	A	12'-0"	102+30.00 TO 129+06.57
		12'-0" TO 8'-0"	129+06.57 TO 129+56.57
		8'-0"	129+56.57 TO 130+24.21
	B	0'-0" TO 12'-0"	102+30.00 TO 105+30.27
		12'-0"	105+30.27 TO 130+24.21
	C	0'-0"	102+30.00 TO 117+12.06
		0'-0" TO 12'-0"	117+12.06 TO 120+11.82
		12'-0"	120+11.82 TO 130+24.21
RAMP B	A	12'-0"	102+30.00 TO 130+47.62
		12'-0" TO 10'-7"	130+47.62 TO 130+87.33
	B	0'-0" TO 12'-0"	102+30.00 TO 105+39.79
		12'-0"	105+39.79 TO 130+87.33
	C	0'-0"	102+30.00 TO 120+30.27
		0'-0" TO 12'-0"	120+30.27 TO 123+30.03
		12'-0"	123+30.03 TO 130+87.33

TYPICAL SECTION NO. 6

ALIGN	SEGMENT	VARIABLE WIDTH	STATION EXTENTS
RAMP A	A	8'-0"	130+24.21 TO 137+55.90
	B	0'-0"	130+24.21 TO 137+55.90
	C	4'-0"	130+24.21 TO 137+55.90
RAMP B	A	10'-7" TO 8'-0"	130+87.33 TO 131+57.26
		8'-0"	131+57.26 TO 137+44.74
	B	0'-0"	130+87.33 TO 132+00.12
		0'-0" TO 12'-0"	132+00.12 TO 134+00.00
		12'-0"	134+00.00 TO 137+44.74
	C	2'-0"	130+87.33 TO 137+19.74
		2'-0" TO 4'-0"	137+19.74 TO 137+44.74

TYPICAL SECTION NO. 7-B

ALIGN	SEGMENT	VARIABLE WIDTH	STATION EXTENTS
TURNOUT N-W	A	12'-0" TO 22'-3"	1+00.00 TO 3+12.96
	B	0'-0" TO 4'-8"	1+00.00 TO 2+04.10
		4'-8" TO 0'-0"	2+04.10 TO 3+12.96
	C	12'-0" TO 22'-2"	1+00.00 TO 3+12.96

TYPICAL SECTION NO. 8

ALIGN	SEGMENT	VARIABLE WIDTH	STATION EXTENTS
RAMP C	A	10'-6" TO 12'-0"	147+79.91 TO 148+20.94
		12'-0"	148+20.94 TO 160+39.21
	B	14'-4" TO 12'-0"	147+79.91 TO 150+38.85
		12'-0"	150+38.85 TO 158+39.57
		12'-0" TO 0'-0"	158+39.57 TO 160+39.21
RAMP D	A	8'-0"	148+24.29 TO 148+37.29
		8'-0" TO 12'-0"	148+37.29 TO 148+87.29
		12'-0"	148+87.29 TO 161+51.94
	B	15'-0" TO 12'-0"	148+24.29 TO 150+71.70
		12'-0"	150+71.70 TO 158+51.70
		12'-0" TO 0'-0"	158+51.70 TO 161+51.94

TYPICAL SECTION NO. 9

ALIGN	SEGMENT	VARIABLE WIDTH	STATION EXTENTS
RAMP C	A	8'-0"	141+06.50 TO 147+12.10
		8'-0" TO 10'-6"	147+12.10 TO 147+79.91
	B	12'-0"	141+06.50 TO 143+00.0
		12'-0" TO 0'-0"	143+00.00 TO 145+0 .00
		0'-0"	145+00.00 TO 147+79.91
	C	12'-0"	141+06.50 TO 1 +00.0
		12'-0" TO 15'-0"	14 +00.0 TO 14 .00
		15'-0"	14 .00 TO 147+ .94
		15'-0" TO 1 '-4"	147+ .94 TO 147+80.91
	D	4'-0" TO 0'-0"	141+06 TO 141+31.50
		2'-0 TO 5	1 +31.50 TO 147+00.94
		2'-0" TO 5	147+00.94 TO 147+80.91
RAMP D	A	0"	141+00.70 TO 148+24.29
	B	0	141+00.70 TO 148+24.29
	C	15'-	141+00.70 TO 148+24.29
	D	2'-0"	141+00.70 TO 148+24.29

TYPICAL SECTION NO. 11

ALIGN	SEGMENT	VARIABLE WIDTH	STATION EXTENTS
WATERLOO RD.	A	14'-0"	40+05.90 TO 45+35.00
		14'-0" TO 12'-0"	45+35.00 TO 46+05.00
		12'-0"	46+05.00 TO 54+44.37
	B	0'-0"	40+05.90 TO 47+80.00
		0'-0" TO 12'-0"	47+80.00 TO 52+00.00
		12'-0"	52+00.00 TO 54+44.37
	C	8'-0"	40+05.90 TO 42+55.00
		8'-0" TO 0'-0"	42+55.00 TO 45+35.00
		0'-0"	45+35.00 TO 52+00.00
		0'-0" TO 7'-0"	52+00.00 TO 54+44.37
	D	4'-0"	40+05.90 TO 42+55.00
		4'-0" TO 12'-0"	42+55.00 TO 45+35.00
		12'-0"	45+35.00 TO 47+80.00
		12'-0" TO 7'-0"	47+80.00 TO 49+55.00
		7'-0"	49+55.00 TO 54+44.37
	E	0'-0"	40+05.90 TO 45+35.00
		0'-0" TO 12'-0"	45+35.00 TO 49+55.00
		12'-0"	49+55.00 TO 54+44.37

TYPICAL SECTION NO. 12

ALIGN	SEGMENT	VARIABLE WIDTH	STATION EXTENTS
WATERLOO RD.	A	2'-0"	54+44.37 TO 56+02.92
		3'-11" TO 2'-0"	73+32.52 TO 74+19.46
		2'-0"	74+19.46 TO 79+11.00
		2'-0" TO 5'-3"	79+11.00 TO 80+00.00
	B	12'-0"	54+44.37 TO 56+02.92
		13'-0" TO 12'-0"	73+32.52 TO 74+20.00
		12'-0"	74+20.00 TO 80+00.00
	C	12'-0"	54+44.37 TO 56+02.92
		13'-0" TO 12'-0"	73+32.52 TO 74+20.00
		12'-0"	74+20.00 TO 80+00.00
	D	7'-0"	54+44.37 TO 56+02.92
		6'-1" TO 7'-0"	73+32.52 TO 74+20.00
		7'-0" TO 1'-10"	74+20.00 TO 80+00.00
	E	7'-0"	54+44.37 TO 56+02.92
		4'-11" TO 7'-0"	73+32.52 TO 74+20.00
		7'-0" TO 10'-10"	74+20.00 TO 80+00.00
	F	12'-0"	54+44.37 TO 56+02.92
		13'-0" TO 12'-0"	73+32.52 TO 74+20.00
		12'-0" TO	74+20.00 TO 80+00.00
	G	7'-0"	54+44.37 TO 56+02.92
		13'-0" TO 12'-0"	73+32.52 TO 74+20.00
		12'-0"	74+20.00 TO 79+12.00
		12'-0" TO 4'-0"	79+12.00 TO 80+00.00
	H	2'-0"	54+44.37 TO 56+02.92
		3'-11" TO 2'-0"	73+32.52 TO 74+19.46
		2'-0"	74+19.46 TO 80+00.00

TYPICAL SECTION NO. 13

ALIGN	SEGMENT	VARIABLE WIDTH	STATION EXTENTS
WATERLOO RD.	A	2'-0"	56+02.92 TO 59+58.20
		2'-0" TO 4'-0"	59+58.20 TO 60+00.00
		4'-0"	60+00.00 TO 60+78.74
	B	0'-0"	56+02.92 TO 56+03.00
		0'-0" TO 12'-0"	56+03.00 TO 57+00.00
		12'-0"	57+00.00 TO 59+58.00
		12'-0" TO 0'-0"	59+58.00 TO 60+00.00
		0'-0"	60+00.00 TO 60+78.74
	C	12'-0"	56+02.92 TO 59+58.00
		12'-0" TO 13'-0"	59+58.00 TO 60+00.00
		13'-0"	60+00.00 TO 60+78.74
	D	12'-0"	56+02.92 TO 59+58.00
		12'-0" TO 13'-0"	59+58.00 TO 60+00.00
		13'-0"	60+00.00 TO 60+78.74
	E	7'-0"	56+02.92 TO 59+00.00
		7'-0" TO 2'-10.2"	59+00.00 TO 60+78.74
	F	7'-0"	56+02.92 TO 59+00.00
		7'-0" TO 18'-8"	59+00.00 TO 60+78.74
	G	12'-0"	56+02.92 TO 59+00.00
		12'-0" TO 13'-0"	59+00.00 TO 60+78.74
	H	12'-0"	56+02.92 TO 59+00.00
		12'-0" TO 13'-0"	59+00.00 TO 60+78.74
	I	0'-0" TO 12'-0"	56+02.92 TO 57+00.00
		12'-0"	57+00.00 TO 59+00.00
		12'-0" TO 13'-0"	59+00.00 TO 60+78.74
	J	2'-0"	56+02.92 TO 59+00.00
		2'-0" TO 4'-0"	59+00.00 TO 60+00.00
		4'-0"	60+00.00 TO 60+78.74

TYPICAL SECTION NO. 14

ALIGN	SEGMENT	VARIABLE WIDTH	STATION EXTENTS
WATERLOO RD.	A	4'-0"	60+78.74 TO 62+84.55
		4'-0"	70+40.00 TO 73+28.55
		4'-0" TO 3'-0"	73+28.55 TO 73+32.52
	B	REFER TO INTERSECTION DETAILS	60+78.74 TO 62+84.55
			70+40.00 TO 73+32.52
	C	13'-0"	60+78.74 TO 62+03.00
		0'-0"	62+03.00 TO 62+84.55
		0'-0"	70+40.00 TO 73+32.52
	D	4'-0"	60+78.74 TO 62+84.55
		4'-0"	70+40.00 TO 73+28.52
		4'-0" TO 3'-0"	73+28.52 TO 73+32.52

TYPICAL SECTION NO. 15

ALIGN	SEGMENT	VARIABLE WIDTH	STATION EXTENTS
WATERLOO RD.	A	REFER TO INTERSECTION DETAILS	62+84.55 TO 63+83.00
			63+83.00 TO 69+42.00
			69+42.00 TO 70+40.00
	B	0'-0"	62+84.55 TO 65+50.00
		13'-0"	65+50.00 TO 67+97.00
		0'-0"	67+97.00 TO 70+40.00

TYPICAL SECTION NO. 16

ALIGN	SEGMENT	VARIABLE WIDTH	STATION EXTENTS
WATERLOO RD.	A	10'-3" TO 21'-8"	80+00.00 TO 81+95.00
		21'-8" TO 5'-0"	81+95.00 TO 83+22.00
		5'-0"	83+22.00 TO 83+90.00
		5'-0" TO 0'-0"	83+90.00 TO 84+05.00
	B	12'-0"	80+00.00 TO 83+22.00
		12'-0" TO 0'-0"	83+22.00 TO 84+05.00
	C	12'-0"	80+00.00 TO 82+61.00
		12'-0" TO 11'-2"	82+61.00 TO 84+05.00
	D	1'-10" TO 0'-0"	80+00.00 TO 82+61.00
		0'-0"	82+61.00 TO 84+05.00
	E	10'-10" TO 0'-0"	80+00.00 TO 83+82.00
		0'-0"	83+82.00 TO 84+05.00
	F	20'-0" 11'-9"	80+00.00 TO 84+05.00
	G	5'-0"	80+00.00 TO 83+82.00
		5'-0" TO 0'-0"	83+82.00 TO 84+05.00

FOR AREAS OF OVERLAP AND OMISSION BETWEEN ADJACENT CORRIDORS, REFER TO INTERSECTION DETAIL SHEETS

Preliminary Plans

DESIGN	AKS	11/17
DRAWN	TML	11/17
CHECKED	JES	6/18
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
(SHEET 12 OF 12)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. 0014

3/28/2025 9:12:29 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\JP29843(04)-Typical_Variable Width Tables.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/26/2025

GENERAL NOTES FOR BRIDGE STRUCTURES

SPECIFICATIONS:
COMPLY WITH THE REQUIREMENTS OF THE 2019 OKLAHOMA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, EXCEPT AS MODIFIED BY THE PLANS AND SPECIAL PROVISIONS.

OKLAHOMA ONE-CALL SYSTEM:
IN ACCORDANCE WITH THE OKLAHOMA UNDERGROUND FACILITIES DAMAGE PREVENTION ACT THE CONTRACTOR SHALL NOTIFY THE OKLAHOMA ONE-CALL SYSTEM, INC. 48 HOURS PRIOR TO BEGINNING EXCAVATION. OKLAHOMA ONE-CALL SYSTEM, INC. "CALL OKIE" 1-800-522-6543 OR 811.

PROTECTION OF AREAS UNDER BRIDGES:
THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE AREAS UNDER THE BRIDGES FROM FALLING DEBRIS AND BE SOLELY RESPONSIBLE FOR SAFEGUARDING THESE AREAS.

TRAFFIC BELOW THE BRIDGES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL IN ACCORDANCE WITH SECTION 105.02 OF THE STANDARD SPECIFICATIONS. ALL COSTS FOR TRAFFIC PROTECTION AS STATED SHALL BE INCLUDED IN OTHER ITEMS OF WORK.

REMOVAL OF EXISTING BRIDGE STRUCTURES:
BRIDGE "A":
ITEM "REMOVAL OF EXISTING BRIDGE STRUCTURE" CONSISTS OF REMOVAL AND DISPOSAL OF A 30'-40'-30" SLAB SPAN STRUCTURE X 38'-0" CLEAR ROADWAY AND ATTACHED SIGN & SUPPORT BRACKETS.

THE REMOVAL OF THE EXISTING STRUCTURE SHALL BE IN ACCORDANCE WITH SECTION 619.04.B.2 OF THE STANDARD SPECIFICATIONS AND IN A MANNER APPROVED BY THE ENGINEER.

THE EXISTING STRUCTURE SHALL BE REMOVED TO:

(A) 1'-0" BELOW THE SURROUNDING GROUND ELEVATION
(B) AS NEEDED TO FACILITATE CONSTRUCTION OF THE PROPOSED BRIDGE
(C) AS SHOWN ON THE PLANS

THE STRUCTURE AND MATERIALS REMOVED DURING THIS PROJECT SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

ALL COSTS ASSOCIATED WITH THE REMOVAL OF THE EXISTING BRIDGE AS DESCRIBED ABOVE AND AS DIRECTED BY THE ENGINEER, INCLUDING LABOR, EQUIPMENT, AND INCIDENTALS SHALL BE INCLUDED IN THE PRICE BID PER LUMP SUM OF "REMOVAL OF EXISTING BRIDGE STRUCTURE".

PLANS:
CONSTRUCTION PLANS FOR THE EXISTING STRUCTURE(S) MAY BE OBTAINED FROM THE OFFICE SERVICES DIVISION OF THE OKLAHOMA DEPARTMENT OF TRANSPORTATION.

PHYSICAL ADDRESS: OKLAHOMA DEPARTMENT OF TRANSPORTATION
200 N.E. 21ST STREET
OKLAHOMA CITY, OKLAHOMA 73105
405-521-2586

CONSTRUCTION PLANS ARE AVAILABLE FOR DIGITAL DELIVERY THROUGH THE URL LISTED BELOW:

HTTPS://OKLAHOMA.GOV/ODOT/BUSINESS-CENTER/PLANS-LIBRARY/PLANS-RESEARCH-REQUEST.HTML

FOR QUESTIONS AND CONCERNS REGARDING AS BUILT PLANS, PLEASE EMAIL:
ODOT-PLANSLIBRARY@ODOT.ORG

THE BRIDGES WERE CONSTRUCTED PROJECT NOS. F.A.P. NO. I-456(8) & F.A.P. NO. I-456(9)

STEEL PILE DRIVING EQUIPMENT:
USE A PILE DRIVING HAMMER OF THE SIZE AND TYPE CAPABLE OF CONSISTENTLY DELIVERING THE EFFECTIVE DYNAMIC ENERGY SUFFICIENT TO DRIVE THE PILES TO THE REQUIRED TIP ELEVATION AND TO ACHIEVE THE REQUIRED ULTIMATE PILE CAPACITY WITHOUT EXCEEDING THE LIMITATIONS SET ON THE ALLOWABLE DRIVING STRESSES IN ACCORDANCE WITH SECTION 514.03 OF THE STANDARD SPECIFICATIONS.

STEEL PILING:
PROVIDE STRUCTURAL STEEL CONFORMING TO AASHTO M270 (GRADE 50) FOR STEEL PILING.

STEEL PILE CAPACITY:
THE FOLLOWING FORMULA (GATES EQUATION) SHALL BE USED TO DETERMINE THE AXIAL LOAD RESISTANCE OF THE DRIVEN FOUNDATION PILES:

AXIAL LOAD RESISTANCE = $\Phi[(0.875\sqrt{E}\ \log_{10}(10N))-50]$ (TONS)

WHERE:
Φ = RESISTANCE FACTOR OF 0.4.
E = ENERGY PRODUCED BY THE HAMMER PER BLOW IN FOOT-POUNDS. FOR GRAVITY AND SINGLE ACTING DIESEL HAMMERS, THE VALUE IS BASED ON THE ACTUAL RAM STROKE OBSERVED IN THE FIELD AND MEASURED IN FEET MULTIPLIED BY THE RAM WEIGHT IN POUNDS.
N = AVERAGE NUMBER OF HAMMER BLOWS PER INCH OF PILE PENETRATION FOR THE LAST 10 TO 20 BLOWS DELIVERED TO THE PILE HEAD.

THE ABOVE FORMULA IS ONLY APPLICABLE WHEN:

1. THE PILE DRIVING HAMMER HAS A FREE FALL (GRAVITY AND SINGLE ACTING HAMMERS ONLY),
2. THE HEAD OF THE PILE IS NOT BROOMED, CRUSHED OR OTHERWISE DAMAGED.
3. THE PENETRATION IS QUICK AND UNIFORM.
4. THERE IS NO APPRECIABLE REBOUND OF THE HAMMER, AND
5. A FOLLOWER IS NOT USED.

THE NUMBER OF BLOWS PER INCH OF PILE PENETRATION MAY BE MEASURED EITHER DURING INITIAL DRIVING OR BY RE-DRIVING WITH A WARM HAMMER OPERATED AT FULL ENERGY AFTER A PILE SET PERIOD, AS DETERMINED BY THE ENGINEER.

IF WATER JETS ARE USED IN CONNECTION WITH THE DRIVING, DETERMINE THE AXIAL LOAD RESISTANCE BY THE FORMULA SHOWN ABOVE ONLY AFTER THE JETS HAVE BEEN WITHDRAWN.

SEE GENERAL PLAN AND ELEVATION SHEETS FOR EACH BRIDGE FOR FACTORED REACTION FOR EACH PILE AT EACH BRIDGE.

DRILLED SHAFTS:
THE CASING METHODS AS OUTLINED IN SECTION 516.04.C.1.C OF THE STANDARD SPECIFICATIONS, MAY BE REQUIRED TO ADVANCE THE DRILLED SHAFT TO THE FINAL BEARING ELEVATION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SELECT THE PROPER METHODS REQUIRED TO INSTALL THE DRILLED SHAFTS.

CROSSHOLE SONIC LOGGING TUBES AND TESTING:
INSTALL CSL ACCESS TUBES AT ALL SHAFT LOCATIONS.

THE ENGINEER SHALL DETERMINE THE LOCATION AND NEED FOR ADDITIONAL TESTING AT THE PIERS.

CSL TESTING SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 516.04 OF THE STANDARD SPECIFICATIONS.

TEMPORARY EARTH RETAINAGE:
THE CONTRACTOR MAY USE A TEMPORARY EARTH RETENTION SYSTEM AS REQUIRED FOR CONSTRUCTABILITY. LOCATIONS AND EXTENTS OF RETENTION SHOWN IN THE PLANS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE FINAL LOCATION.

ALL TEMPORARY EARTH RETENTION SYSTEMS SHALL BE DESIGNED BY AN ENGINEER LICENSED IN THE STATE OF OKLAHOMA. THE DESIGN AND CONSTRUCTION OF THE SYSTEM SHALL COMPLY WITH SECTION 502 OF THE STANDARD SPECIFICATION. IF SHEET PILING IS USED, THE DESIGN AND CONSTRUCTION SHALL COMPLY WITH SECTION 514 OF THE STANDARD SPECIFICATION.

THERE IS AN ESTIMATE 481.00 S.Y. OF TEMPORARY EARTH RETAINAGE.

ALL COSTS OF TEMPORARY EARTH RETENTION SYSTEM, INCLUDING, MATERIALS, EQUIPMENT, ENGINEERING, LABOR, AND OTHER INCIDENTALS AS REQUIRED FOR THE CONSTRUCTION OF THE BRIDGES SHALL BE INCLUDED IN THE COST PER LUMP SUM OF "TEMPORARY EARTH RETAINAGE".

CONCRETE:
ALL CONCRETE SHALL BE PLACED IN THE DRY. ALL EXPOSED EDGES SHALL HAVE A ¾" CHAMFER UNLESS NOTED OR SHOWN ON PLANS. ALL CHAMFER STRIPS SHALL BE SIZED LUMBER. ALL CLASS "A" AND CLASS "AA" CONCRETE SHALL BE AIR-ENTRAINED.

ALL CONCRETE IN THE SUPERSTRUCTURE, APPROACH SLABS, & PARAPETS SHALL BE CLASS "AA" CONCRETE, f'c = 4,000 P.S.I. MINIMUM STRENGTH AT 28 DAYS. ALL CONCRETE IN THE SUBSTRUCTURE SHALL BE CLASS "A" CONCRETE, f'c = 3,000 P.S.I. MINIMUM STRENGTH AT 28 DAYS. ALL CONCRETE IN THE DRILLED SHAFTS SHALL BE CLASS "AA" CONCRETE, f'c = 4,000 P.S.I. MINIMUM STRENGTH AT 28 DAYS.

CONCRETE SURFACES UNDER ALL BEAM SUPPORTS (BEARING ASSEMBLIES) SHALL BE GROUND WITH A CARBORUNDUM BRICK BEFORE PLACEMENT OF BEARING ASSEMBLY TO SECURE FULL BEARING OF ASSEMBLY ON CONCRETE. BEFORE BEARING ASSEMBLIES ARE SET, THE CONTRACTOR WILL CHECK BEARING SURFACES WITH REGARD TO LEVELNESS. THE MAXIMUM PERMISSIBLE SLOPE SHALL BE 0.5 %, WHICH SHOULD BE CHECKED ALONG AN AXIS PERPENDICULAR AND PARALLEL TO THE BEAM LINE. SLOPES EXCEEDING 0.5 % SHALL BE CORRECTED IN A MANNER APPROVED BY THE ENGINEER.

WHEN VIBRATING CONCRETE CONTAINING EPOXY COATED REINFORCING STEEL, THE VIBRATOR SHALL BE EQUIPPED WITH A PLASTIC TIP DESIGNED TO PREVENT DAMAGE TO THE EPOXY COATING.

REINFORCING:
ALL REINFORCING STEEL SHALL HAVE 2" CLEARANCE UNLESS SHOWN OR NOTED OTHERWISE. ALL REINFORCING STEEL SHALL BE DEFORMED BARS, COLD BENT WITH NO WELDS. BAR BEND DIMENSIONS ARE OUT TO OUT, UNLESS NOTED OTHERWISE. UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS, ALL REINFORCING STEEL SHALL CONFORM TO AASHTO M31 (ASTM A615), GRADE 60.

FIELD WELDING OF CROSSING REINFORCING BARS SHALL NOT BE PERMITTED. TACK WELDING OF REINFORCING BARS SHALL BE PROHIBITED IN ALL CASES.

ALL LONGITUDINAL TOP REINFORCING IN THE BRIDGE SLAB SHALL BE SUPPORTED ON APPROVED CONTINUOUS METAL HIGH CHAIRS SPACED AT 4'-0" MAXIMUM ON CENTERS AND THE BOTTOM LAYER OF REINFORCING STEEL SHALL BE SUPPORTED ON APPROVED METAL SLAB BOLSTERS SPACED AT 4'-0" MAXIMUM ON CENTERS.

STRUCTURAL STEEL:
PROVIDE STRUCTURAL STEEL FOR PLATE GIRDERS, ROLLED SHAPES, STIFFENER PLATES, AND CONNECTION PLATES IN ACCORDANCE WITH AASHTO M270 (ASTM A709), GRADE 50WT, WEATHERING STEEL, NON-FRACTURE CRITICAL CHARPY V-NOTCH TESTED FOR ZONE 2), UNLESS OTHERWISE NOTED. HIGH STRENGTH BOLTS SHALL BE USED AT CONNECTION LOCATIONS. PROVIDE ALL BOLTS, NUTS, WASHERS, AND WELDING WITH WEATHERING CHARACTERISTICS.

FABRICATION AND ERECTION SHALL BE IN ACCORDANCE WITH SECTION 506 OF THE STANDARD SPECIFICATIONS.

ALL SHOP AND FIELD WELDING SHALL BE ARC WELDING AND SHALL BE DONE IN ACCORDANCE WITH THE CURRENT ANSI/AWS D1.5, BRIDGE WELDING CODE. WELDERS SHALL BE PRE-QUALIFIED BY THE OKLAHOMA DEPARTMENT OF TRANSPORTATION.

HIGH STRENGTH BOLTED CONNECTIONS SHALL CONFORM TO THE PROVISIONS OF SECTION 506.04(F)6 OF THE STANDARD SPECIFICATIONS.

STAY-IN-PLACE FORMS:
THE CONTRACTOR MAY USE STAY-IN-PLACE STEEL DECK FORMS IF THE DECK SLAB THICKNESS SHOWN ON THE PLANS MEASURED FROM THE TOP OF THE DECK SLAB TO THE TOP PORTION OF THE STEEL CORRUGATION IS MAINTAINED. PREFORMED CORRUGATION FILLER, COMPOSED OF POLYSTYRENE OR OTHER MATERIAL, MAY BE USED IF BONDED TO THE DECK FORMS. NO ADDITIONAL CONCRETE WEIGHT OF THE DECK SLAB IS PERMITTED. THE TOTAL ADDITIONAL WEIGHT OF THE DECK FORM AND FILLER SHALL NOT EXCEED 5 P.S.F. THE AUTHORITY CONSIDERS ALL COSTS OF STAY-IN-PLACE STEEL DECK FORMS TO BE INCLUDED IN THE CONTRACT UNIT PRICE OF "CLASS AA CONCRETE".

DECK HAUNCHES:
USE THE TYPICAL SECTION SHEETS FOR EACH BRIDGE FOR THE PLAN QUANTITY FOR CLASS "AA" CONCRETE INCLUDED FOR THE HAUNCHES OVER THE BEAMS AND DIAPHRAGMS. THE HAUNCH HEIGHTS WILL BE CALCULATED BY THE CONTRACTOR FOR APPROVAL BY THE ENGINEER TO PROVIDE FOR DEAD LOAD DEFLECTION AND BEAM CAMBER.

STAINLESS STEEL FIXED BEARING ASSEMBLIES:
PROVIDE AND INSTALL FIXED BEARING ASSEMBLIES OF THE SIZE, SHAPE AND LOCATION AS SPECIFIED OR AS SHOWN IN THE PLANS.

ALL COST OF PROVIDING AND INSTALLING THE FIXED BEARING ASSEMBLIES AS SPECIFIED OR AS SHOWN IN THE PLANS INCLUDING THE COST OF STEEL REINFORCED ELASTOMERIC BEARING PADS, ANCHOR PLATES, MASONRY PLATES, CONTACT PLATES, ANCHOR BOLTS, NUTS, WASHERS, MATERIALS, LABOR, EQUIPMENT AND INCIDENTALS SHALL BE INCLUDED IN THE PRICE BID PER EACH OF "STAINLESS STEEL FIXED BEARING ASSEMBLY".

STAINLESS STEEL EXPANSION BEARING ASSEMBLIES:
PROVIDE AND INSTALL EXPANSION BEARING ASSEMBLIES OF THE SIZE, SHAPE AND LOCATION AS SPECIFIED OR AS SHOWN IN THE PLANS.

ALL COST OF PROVIDING AND INSTALLING THE EXPANSION BEARING ASSEMBLIES AS SPECIFIED OR AS SHOWN IN THE PLANS INCLUDING THE COST OF STEEL REINFORCED ELASTOMERIC BEARING PADS, ANCHOR PLATES, CONTACT PLATES, ANCHOR BOLTS, NUTS, WASHERS, MATERIALS, LABOR, EQUIPMENT AND INCIDENTALS SHALL BE INCLUDED IN THE PRICE BID PER EACH OF "STAINLESS STEEL EXP. BEARING ASSEMBLY".

SEALED EXPANSION JOINT:
THE SEALED EXPANSION JOINT SHALL BE CONSTRUCTED AS SHOWN IN THE PLANS AND IN ACCORDANCE WITH STANDARDS EJ-SQ-04E, EJ-SK-04E, AND EJ-DTL-02E, UNLESS SHOWN OTHERWISE IN THE PLANS, AND IN A MANNER APPROVED BY THE ENGINEER.

ALL COSTS INCLUDING THE COST OF MATERIALS, LABOR, EQUIPMENT AND INCIDENTALS NECESSARY TO COMPLETE THE WORK AS SPECIFIED OR SHOWN IN THE PLANS SHALL BE INCLUDED IN THE PRICE BID PER LINEAR FOOT OF "SEALED EXPANSION JOINTS".

CONCRETE DECK FINISHING:
BRIDGE DECKS FOR THIS PROJECT ARE TO BE FINISHED WITH A MECHANICAL TYPE FINISHING MACHINE. OVERHANGING SLAB FORMS WILL BE REQUIRED TO BE OF SUFFICIENT STRENGTH TO SUPPORT THE WEIGHT OF THE CONCRETE, FORMS, FINISHING MACHINE AND OTHER CONSTRUCTION LOADS. PRIOR TO FINISHING OPERATIONS, A PROPOSAL STIPULATING THE TYPE OF FINISHING MACHINE AND THE FINISHING PROCEDURE WILL BE SUBMITTED TO THE ENGINEER. THIS PROPOSAL SHALL SET FORTH ANY AREAS IN WHICH A MECHANICAL FINISHER CANNOT BE USED AND THE METHODS FOR FINISHING THESE AREAS. CONCRETE SHALL NOT BE PLACED UNTIL THIS PROPOSAL IS APPROVED BY THE ENGINEER.

SAWED AND SEALED JOINTS:
THE SAWED & SEALED CONSTRUCTION JOINTS SHOWN IN THE PLANS SHALL BE SEALED WITH RAPID CURE JOINT SEALANT IN ACCORDANCE WITH SUBSECTION 701.08.G AND AS SHOWN IN THE PLANS.

APPROACH SLAB:
CLASS "AA" CONCRETE SHALL BE USED IN THE APPROACH SLABS WITH EPOXY COATED REINFORCING. THE QUANTITY GIVEN IS BASED ON THE ACTUAL SQUARE YARDS OF THE APPROACH SLABS. ALL COSTS OF CONCRETE, REINFORCING STEEL, LONGITUDINAL CONSTRUCTION JOINT SEALANT, SAWED AND SEALED CONSTRUCTION JOINT BETWEEN NEW DECK AND APPROACH SLAB, SAWING OF JOINTS, EXCAVATION, LABOR, EQUIPMENT, AND INCIDENTALS NECESSARY TO COMPLETE THE WORK AS SPECIFIED SHALL BE INCLUDED IN THE PRICE BID PER SQUARE YARD OF "APPROACH SLAB".

DRAINS AT END OF BRIDGE:
ALL COSTS OF THE SLOPE DRAINS, SPLASH BASINS AND CONCRETE CURBS INCLUDING MATERIAL, LABOR, EQUIPMENT AND INCIDENTALS NECESSARY TO COMPLETE THE WORK AS SHOWN IN THE PLANS SHALL BE INCLUDED IN THE PRICE BID PER CUBIC YARD OF "CLASS C CONCRETE".

LOCATIONS OF SPLASH BASINS AND EXTENDS OF SLOPE DRAINS SHALL BE VERIFIED BY THE ENGINEER.

CONCRETE SLOPE WALL:
ALL MATERIALS AND WORK SHALL BE IN ACCORDANCE WITH SECTION 510.04.F OF THE STANDARD SPECIFICATIONS.

SLOPE WALLS SHALL BE CONSTRUCTED WITH CLASS "A" CONCRETE, IN ACCORDANCE WITH SECTION 509 OF THE STANDARD SPECIFICATIONS. COURSE AGGREGATE FOR THIN SECTIONS OF CONCRETE (SECTION 701.06) MAY BE USED.

THE THICKNESS OF THE SLOPE WALL WILL BE INCLUDED IN THE QUANTITY FOR "SLOPE WALL (5")". THE TURNDOWNS AT THE FRONT AND SIDES, AND THE INTERMEDIATE KEYS WILL NOT BE MEASURED FOR PAYMENT.

ALL COSTS OF THE SLOPE WALL INSTALLATION INCLUDING CLASS "A" CONCRETE, REINFORCING STEEL, LAP SPLICES, TRENCH EXCAVATION, AGGREGATE BASE, FILTER SAND, BACKER ROD, RAPID CURE JOINT SEALANT, POLYSTYRENE, LABOR, EQUIPMENT AND OTHER INCIDENTALS SHALL BE INCLUDED IN THE PRICE BID PER SQUARE YARD OF "SLOPE WALL (5")".

PENETRATING WATER REPELLENT SURFACE TREATMENT:
A PENETRATING WATER REPELLENT SURFACE TREATMENT SHALL BE APPLIED TO THE BRIDGE IN A MANNER CONSISTENT WITH THE DETAILS SHOWN IN THE PLANS. LOCATIONS RECEIVING STAIN SHALL NOT BE TREATED WITH WATER REPELLENT.

ALL COSTS ASSOCIATED WITH THE USE OF PENETRATING WATER REPELLENT SURFACE TREATMENT INCLUDING THE COST OF MATERIAL, LABOR, EQUIPMENT AND INCIDENTALS SHALL BE INCLUDED IN THE PRICE BID PER SQUARE YARD OF "WATER REPELLENT (VISUALLY INSPECTED)".

ELASTOMERIC COATING:
THE ELASTOMERIC COATING SHALL BE CIM 1000 AS MANUFACTURED BY CIM INDUSTRIES, INC.

THE ELASTOMERIC COATING SHALL BE APPLIED TO THE FOLLOWING CONCRETE SURFACES AS SHOWN IN THE PLANS:

1. FRONT FACE AND SIDES OF THE ABUTMENT SEATS AND BACKWALLS, AND TOP OF ABUTMENT SEATS.
2. INSIDE FACE OF WINGWALLS.
3. TOP AND SIDES OF THE PIER CAPS.

DO NOT PLACE THE ELASTOMERIC COATING UNDER BEARING PADS.

THE EQUIPMENT, METHODS, AND THICKNESS OF APPLYING THE URETHANE COATING SHALL BE IN ACCORDANCE WITH THE PRODUCT COATING PROFILE AND INSTRUCTION GUIDES FOR APPLICATION TO CONCRETE. PRECAUTIONARY MEASURES SHALL BE IN ACCORDANCE WITH THE MATERIAL SAFETY DATA SHEETS AS PROVIDED BY THE MANUFACTURER.

THE COATING SHALL BE 60 MILS DRY THICKNESS AND 68 MILS WET THICKNESS.

IN ADDITION TO APPLYING THE COATING TO THE CONCRETE SUBSTRUCTURE UNITS AS SHOWN IN THE PLANS, THE COATING SHALL RETURN UP THE VERTICAL SURFACES OF THE PIER AND ABUTMENT BEARING PADS TO PROVIDE A WATER TIGHT SEAL WITH THE CONCRETE PEDESTALS. SURFACE PREPARATIONS AND PRODUCT MIXING SHALL BE PER THE MANUFACTURER'S RECOMMENDATIONS AND ALL NEW CONCRETE SHALL HAVE A MINIMUM STRENGTH OF 3000 PSI AT THE TIME OF APPLICATION. PRIMER SHALL BE APPLIED TO THE CONCRETE SURFACES PRIOR TO APPLYING THE COATING. ALL CONCRETE WORK SHALL BE COMPLETED PRIOR TO THE APPLICATION OF THE ELASTOMERIC COATING. EDGES OF THE ELASTOMERIC COATING SHALL BE MASKED WITH TAPE PRIOR TO APPLICATION TO ENSURE CLEAN STRAIGHT LINES ARE OBTAINED.

WATER REPELLENT WILL NOT BE REQUIRED ON SURFACES THAT ARE COATED WITH ELASTOMERIC COATING.

PAYMENT WILL BE MADE AT THE CONTRACT UNIT PRICE BID PER SQUARE FOOT OF "ELASTOMERIC COATING", WHICH PRICE SHALL BE FULL COMPENSATION FOR ALL MATERIALS, LABOR, TOOLS, EQUIPMENT AND INCIDENTALS NECESSARY TO COMPLETE THE WORK AS SPECIFIED.

PERFORATED PIPE UNDERDRAIN:
THE INSTALLATION OF THE PERFORATED PIPE AND PIPE UNDERDRAIN COVER MATERIAL AND QUANTITIES OF ITEMS INCLUDED IN "6" PERFORATED PIPE UNDERDRAIN ROUND" SHALL BE AS SHOWN IN STD. B40-C-ABUT-MISC-01E. THERE IS AN ESTIMATED 18.00 C.Y. OF STANDARD BEDDING MATERIAL FOR BOTH ABUTMENTS.

ALL COSTS OF THE PERFORATED PIPE UNDERDRAIN INSTALLATION INCLUDING MATERIAL, LABOR, COVER MATERIAL, EQUIPMENT, AND INCIDENTALS SHALL BE INCLUDED IN THE PRICE BID PER LINEAR FOOT OF "6" PERFORATED PIPE UNDERDRAIN ROUND".

NON-PERFORATED PIPE UNDERDRAIN:
THE INSTALLATION OF THE NON-PERFORATED PIPE AND QUANTITIES OF ITEMS INCLUDED IN "6" NON-PERF.PIPE UNDERDRAIN RND." SHALL BE AS SHOWN IN STD. B40-C-ABUT-MISC-01E. THERE IS AN ESTIMATED 6.00 C.Y. OF TRENCH EXCAVATION AND STANDARD BEDDING MATERIAL FOR BOTH ABUTMENTS.

ALL COSTS OF THE NON-PERFORATED PIPE UNDERDRAIN INSTALLATION INCLUDING MATERIAL, LABOR, TRENCHING, BEDDING MATERIAL, BACKFILLING, EQUIPMENT, AND INCIDENTALS SHALL BE INCLUDED IN THE PRICE BID PER LINEAR FOOT OF "6" NON-PERF.PIPE UNDERDRAIN RND."

Preliminary
Only Plans

I-35 OVER WATERLOO RD.	OKLAHOMA & LOGAN COUNTIES	DESIGN	DPE	2/25
		DETAIL	DPE	2/25
		CHECK	XXX	XXX
SUMMARY OF PAY QUANTITIES AND GENERAL NOTES (BRIDGE) (SHEET 1 OF 2)		GARVER		
STATE OF OKLAHOMA	DEPARTMENT OF TRANSPORTATION			
	JOB PIECE NO. 29843(04)	SHEET NO. AB01		

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/27/2025

GENERAL NOTES FOR BRIDGE STRUCTURES (CONTINUED)

DETOUR BRIDGE:

PROVIDE TEMPORARY DETOUR BRIDGE MANUFACTURED BY ACROW COPORATION OF AMERICA AS SPECIFIED HEREIN AND OF LENGTH AND WIDTH SHOWN ON THE PLANS. ALL TEMPORARY BRIDGE ELEMENTS SHALL BE NEW FABRICATIONS.

THE BRIDGE SHALL BE DESIGNED PER AASHTO LRFD BRIDGE DESIGN SPECIFICATION, CURRENT EDITION. LIVE LOADS SHALL INCLUDE THE HL-93 AND OKLAHOMA OVERLOAD TRUCK. TRAFFIC RAILS MUST PASS A TL-4 RATING.

THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER THE TEMPORARY BRIDGE PLANS, ERECTION PLAN, AND DEMOLITION PLAN. ALL PLANS SHALL BE SIGNED AN SEALED BY AN ENGINEER LICENSED IN THE STATE OF OKLAHOMA. THE CONTRACTOR SHALL NOT PURCHASE, ERECT (EXCLUSIVE OF THE ABUTMENTS), OR DEMOLISH THE BRIDGE UNTIL THE ASSOCIATED PLAN IS APPROVED.

AFTER INSTALLING THE TEMPORARY DETOUR BRIDGE, NOTIFY THE ENGINEER THAT THE BRIDGE IS READY FOR A NATIONAL BRIDGE INSPECTION (NBI). THE BRIDGE MUST BE INSPECTED BY A PROFESSIONAL ENGINEER, REGISTERED IN OKLAHOMA, AND MUST BE APPROVED BY ODOT BRIDGE DIVISION BEFORE TRAFFIC CAN UTILIZE THE BRIDGE. AN ACROW REPRESENTATIVE MUST BE PRESENT AT THE INSPECTION, AND CONFIRM THAT THE BRIDGE IS CONSTRUCTED ACCORDING TO ACROW STANDARDS AND SPECIFICATIONS. THE BRIDGE INSPECTOR AND THE MANUFACTURER WILL PERFORM THE INSPECTION, AND THE INSPECTION MUST BE COMPLETED, AND THE BRIDGE APPROVED BY ODOT BRIDGE DIVISION, PRIOR TO OPENING THE BRIDGE TO THE TRAVELING PUBLIC. FURTHER INSPECTION FREQUENCY SHALL BE DETERMINED BY THE ODOT BRIDGE DIVISION.

THE CONTRACTOR IS RESPONSIBLE FOR ALL REQUIRED MAINTENANCE AND REPAIR OF THE TEMPORARY DETOUR BRIDGE, INCLUDING REPAIRS REQUIRED AS A RESULT OF VEHICULAR DAMAGE. REPLACE UNSATISFACTORY MEMBERS AT NO ADDITIONAL COST TO THE DEPARTMENT. REPAIRS SHALL BE COMPLETED AS DIRECTED BY THE ENGINEER. THE DEPARTMENT WILL APPLY SALT AND SAND DURING SIGNIFICANT WINTER WEATHER EVENTS. THE DEPARTMENT WITHHOLDS THE RIGHT TO REQUEST SNOW REMOVAL FROM THE CONTRACTOR USING CONSTRUCTION EQUIPMENT AT NO ADDITIONAL COST TO THE DEPARTMENT.

ONCE THE BRIDGE IS NO LONGER NEEDED, THE CONTRACTOR SHALL CAREFULLY DISASSEMBLE THE BRIDGE AND TRANSPORT THE MEMBERS TO ODOT MAINTENANCE YARD LOCATED AT XXXXXX. ANY MEMBERS FOUND TO BE DAMAGED OR UNUSABLE IN FUTURE ASSEMBLIES SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.

THE ABUTMENTS SHALL BE REMOVED IN ACCORDANCE WITH SECTION 619.04.B.2 OF THE STANDARD SPECIFICATIONS AND IN A MANNER APPROVED BY THE ENGINEER. ALL COSTS OF ABUTMENT REMOVAL SHALL BE INCLUDED IN THE PRICE BID PER LUMP SUM OF "DETOUR BRIDGE".

THE ABUTMENTS SHALL BE REMOVED TO:

(A) 1'-0" BELOW THE SURROUNDING GROUND ELEVATION
(B) AS NEEDED TO FACILITATE CONSTRUCTION OF THE PROPOSED BRIDGE
(C) AS SHOWN ON THE PLANS

ALL COSTS ASSOCIATED WITH THE DESIGN, PURCHASE, TRANSPORTATION, ERECTION, INSPECTIONS, MAINTENANCE, DISASSEMBLY, DEMOLITION, TOOLS, EQUIPMENT, AND OTHER INCIDENTALS REQUIRED TO PERFORM THE WORK AS DESCRIBED ABOVE AND IN THE PLANS SHALL BE INCLUDED IN THE PRICE BID PER LUMP SUM OF "DETOUR BRIDGE".

29843(04)
PAY QUANTITIES
0200 BRIDGE "A" - NBI 33473 - I-35 NB OVER WATERLOO RD.

ITEM	DESCRIPTION		UNIT	QUANTITY
501(B) 1300	SUBSTRUCTURE EXCAVATION COMMON	(BR-1)	CY	220.00
501(G) 1800	CLSM BACKFILL	(BR-1)	CY	299.70
504(A) 5200	APPROACH SLAB	(BR-1)	SY	417.00
504(B) 5300	SAW-CUT GROOVING	(BR-1)	SY	1,762.70
504(E) 5520	42" F-SHAPED PARAPET	(BR-1)	LF	533.40
506(A) 7225	STRUCTURAL STEEL M270 GRADE 50W	(BR-1)	LB	297,770.00
507(A) 8200	STAINLESS STEEL FIXED BEARING ASSEMBLY	(BR-1)	EA	12.00
507(B) 8300	STAINLESS STEEL EXP. BEARING ASSEMBLY	(BR-1)	EA	24.00
509(A) 0210	CLASS AA CONCRETE	(BR-1)	CY	347.90
509(B) 0320	CLASS A CONCRETE	(BR-1)	CY	427.20
509(D) 0510	CLASS C CONCRETE		CY	12.20
510(C) 1450	SLOPE WALL (5")	(BR-1)	SY	688.00
511(A) 2210	REINFORCING STEEL	(BR-1)	LB	1,710.00
511(B) 2310	EPOXY COATED REINFORCING STEEL	(BR-1)	LB	175,870.00
514(A) 5210	PILES, FURNISHED (HP 10X42)		LF	137.00
514(A) 5220	PILES, FURNISHED (HP 12X53)		LF	1,198.00
514(B) 5310	PILES, DRIVEN (HP 10X42)		LF	137.00
514(B) 5320	PILES, DRIVEN (HP 12X53)		LF	1,198.00
514(L) 6300	PILE SPLICE, H-PILE (NON-BIDDABLE)		EA	1.00
515(A) 7200	WATER REPELLENT (VISUALLY INSPECTED)	(BR-1)	SY	788.00
516(A) 8240	DRILLED SHAFTS 60" DIAMETER		LF	413.00
516(C) 8400	CROSSHOLE SONIC LOGGING		EA	1.00
517 9110	ELASTOMERIC COATING	(BR-1)	SF	1,726.00
518(B) 0300	SEALED EXPANSION JOINTS	(BR-1)	LF	60.53
523(A) 3200	SEALER CRACK PREPARATION	(BR-1)	LF	[illegible]
523(B) 3300	SEALER RESIN	(BR-1)	GAL	0.50
613(H) 6205	6" PERFORATED PIPE UNDERDRAIN ROUND	(BR-1)	LF	25[illegible]
613(I) 6310	6" NON-PERF.PIPE UNDERDRAIN RND.		LF	[illegible].00
619(D) 6700	REMOVAL OF EXISTING BRIDGE STRUCTURE		LSUM	[illegible]

29843(04)
PAY QUANTITIES
0201 BRIDGE "B" - NBI 33474 - I-35 SB OVER WATERLOO RD.

ITEM	DESCRIPTION		UNIT	QUANTITY
501(B) 1300	SUBSTRUCTURE EXCAVATION COMMON	(BR-1)	CY	220.00
501(G) 1800	CLSM BACKFILL	(BR-1)	CY	300.00
504(A) 5200	APPROACH SLAB	(BR-1)	SY	417.00
504(B) 5300	SAW-CUT GROOVING	(BR-1)	SY	1,762.80
504(E) 5520	42" F-SHAPED PARAPET	(BR-1)	LF	533.40
506(A) 7225	STRUCTURAL STEEL M270 GRADE 50W	(BR-1)	LB	297,500.00
507(A) 8200	STAINLESS STEEL FIXED BEARING ASSEMBLY	(BR-1)	EA	12.00
507(B) 8300	STAINLESS STEEL EXP. BEARING ASSEMBLY	(BR-1)	EA	24.00
509(A) 0210	CLASS AA CONCRETE	(BR-1)	CY	334.30
509(B) 0320	CLASS A CONCRETE	(BR-1)	CY	424.90
509(D) 0510	CLASS C CONCRETE		CY	10.90
510(C) 1450	SLOPE WALL (5")	(BR-1)	SY	688.00
511(A) 2100	MECHANICAL SPLICES	(BR-1)	EA	1,114.00
511(A) 2210	REINFORCING STEEL	(BR-1)	LB	680.00
511(B) 2310	EPOXY COATED REINFORCING STEEL	(BR-1)	LB	179,780.00
514(A) 5210	PILES, FURNISHED (HP 10X42)		LF	118.00
514(A) 5220	PILES, FURNISHED (HP 12X53)		LF	1,031.00
514(B) 5310	PILES, DRIVEN (HP 10X42)		LF	118.00
514(B) 5320	PILES, DRIVEN (HP 12X53)		LF	1,031.00
514(L) 6300	PILE SPLICE, H-PILE (NON-BIDDABLE)		EA	1.00
515(A) 7200	WATER REPELLENT (VISUALLY INSPECTED)	(BR-1)	SY	782.00
516(A) 8240	DRILLED SHAFTS 60" DIAMETER		LF	393.00
516(C) 8400	CROSSHOLE SONIC LOGGING		EA	1.00
517 9110	ELASTOMERIC COATING	(BR-1)	SF	1,728.00
518(B) 0300	SEALED EXPANSION JOINTS	(BR-1)	LF	60.54
523(A) 3200	SEALER CRACK PREPARATION	(BR-1)	LF	267.00
523(B) 3300	SEALER RESIN	(BR-1)	GAL	2.20
613(H) 6205	6" PERFORATED PIPE UNDERDRAIN ROUND	(BR-1)	LF	256.00
613(I) 6310	6" NON-PERF.PIPE UNDERDRAIN RND.		LF	70.00
619(D) 6700	REMOVAL OF EXISTING BRIDGE STRUCTURE		LSUM	1.00

29843(04)
PAY QUANTITIES
0202 BRIDGE "C" - I-35 SB DETOUR BRIDGE OVER WATERLOO RD.

ITEM	DESCRIPTION		UNIT	QUANTITY
501(B) 1300	SUBSTRUCTURE EXCAVATION COMMON		CY	85.00
501(F) 1700	GRANULAR BACKFILL		CY	49.00
502 3100	TEMPORARY EARTH RETAINAGE		LSUM	1.00
502(C) 3410	DETOUR BRIDGE		LSUM	1.00
506(A) 7200	STRUCTURAL STEEL	(BR-1)	LB	190.00
509(B) 0320	CLASS A CONCRETE	(BR-1)	CY	55.90
511(A) 2210	REINFORCING STEEL	(BR-1)	LB	13,500.00
514(A) 5240	PILES, FURNISHED (HP 14X73)		LF	1,096.00
514(B) 5340	PILES, DRIVEN (HP 14X73)		LF	1,096.00
514(L) 6300	PILE SPLICE, H-PILE (NON-BIDDABLE)		EA	1.00

Preliminary Plans

BR-1
PAYMENT FOR THIS ITEM WILL BE BASED ON THE PLAN QUANTITIES ONLY. SEE SECTION 109.01(B) OF THE STANDARD SPECIFICATIONS.

I-35 OVER WATERLOO RD. OKLAHOMA & LOGAN COUNTIES

SUMMARY OF PAY QUANTITIES AND GENERAL NOTES (BRIDGE) (SHEET 2 OF 2)

DESIGN	DPE	2/25
DETAIL	DPE	2/25
CHECK	XXX	XXX

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STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION
JOB PIECE NO. 29843(04) SHEET NO. AB02

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STORM WATER MANAGEMENT PLAN

OKLAHOMA DEPARTMENT OF TRANSPORTATION					
FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE

SITE DESCRIPTION

PROJECT LIMITS: BEGIN ON WATERLOO ROAD JUST WEST OF THE INERSECTION OF NORTH AND SOUTH SOONER ROAD FOR APPROXIMATLY 1.35 MILES. PAVEMENT WIDENING WILL ALSO BE MADE ALONG I-35 FROM MILE MARKER 146 TO JUST NORTH OF MILE MARK 147.

PROJECT DESCRIPTION: CONSTRUCTION OF A DIVERGENT DIAMOND AT THE I-35 AND WATERLOO ROAD INTERCHANGE. WIDENING IMPROVMENTS FOR I-35. IMPROVENTS TO COUNTY ROAD INTERSECTIONS NEAR THE PROJECT.

SUGGESTED SEQUENCE OF EROSION CONTROL ACTIVITIES: PRIOR TO INITIATING SOIL DISTURBING ACTIVITIES, THE CONTRACTOR SHALL INSTALL ALL PERIMETER TEMPORARY SEDIMENT CONTROLS SPECIFIED. STRIP, STOCKPILE AND STABILIZE TOPSOIL. CLEAR AND GRUB ONLY IN NECESSARY AREAS, PRESERVING AS MUCH NATIVE VEGETATION AS POSSIBLE. INSTALL, MAINTAIN AND/OR MOVE TEMPORARY SEDIMENT ITEMS WITH CONSTRUCTION OPERATIONS AS PRACTICAL. IF DIRECTED BY THE ENGINEER, PLANT TEMPORARY SEEDING. REPLACE SALVAGED TOPSOIL AND DEVICES WHEN AN ACCEPTABLE VEGETATIVE COVER (AT LEAST 70%) HAS BEEN ATTAINED. AS SITE CONDITIONS WARRANT, THE CONTRACTOR MAY CHOOSE TO MODIFY THE TYPE OR ARRANGEMENT OF SPECIFIED PRACTICES TO IMPROVE THEIR EFFECTIVENESS AS APPROVED BY THE ENGINEER. THE CONTRACTOR WILL MAINTAIN A LOG OF THE NOTES OF MAJOR SOIL DISTURBANCE ACTIVITIES AND ALSO THE NOTES OF INSTALLATION OF EROSION CONTROL MEASURES.

SOIL TYPE: FINE SANDY LOAM

TOTAL AREA OF THE CONSTRUCTION SITE: TOTAL=88 ACRES

ESTIMATED AREA TO BE DISTURBED: TOTAL=55 ACRES

OFFSITE AREA TO BE DISTURBED: (FOR CONTRACTOR USE)

TOTAL IMPERVIOUS AREA PRE-CONSTRUCTION: TOTAL=30 ACRES

TOTAL IMPERVIOUS AREA POST-CONSTRUCTION: TOTAL=32 ACRES

POST-CONSTRUCTION RUNOFF COEFFICIENT OF THE SITE: C=0.35

LATITUDE & LONGITUDE OF CENTER OF PROJECT: N35°43'30.81" / W97°24'58.3[illegible]"

PROJECT WILL DISCHARGE TO:

NAME OF RECEIVING WATERS: COWBELL CREEK

SENSITIVE WATERS OR WATERSHEDS: YES ☐ NO ☒

303(d) IMPAIRED WATERS: YES ☐ NO ☒

IF YES, LIST IMPAIRMENT:

LOCATED IN A TMDL: YES ☐ NO ☒

LAKE THUNDERBIRD TMDL: YES ☐ NO ☒

MS4 ENTITY YES ☐ NO ☒

IF YES, LOCATION:

NOTE:
THIS SHEET SHOULD BE USED IN CONJUNCTION WITH A DRAINAGE MAP THAT ILLUSTRATES THE DRAINAGE PATTERNS/PATHWAYS AND RECEIVING WATERS FOR THIS PROJECT. THIS SHEET SHOULD ALSO BE USED WITH THE EROSION CONTROL SUMMARIES, PAY ITEMS, & NOTES.

REVISED 08 / 18 / 2017

EROSION AND SEDIMENT CONTROLS

SOIL STABILIZATION PRACTICES:

- [X] TEMPORARY SEEDING
- [X] PERMANENT SODDING, SPRIGGING OR SEEDING
- [X] VEGETATIVE MULCHING
- [ ] SOIL RETENTION BLANKET
- [X] PRESERVATION OF EXISTING VEGETATION

NOTE: TEMPORARY EROSION CONTROL METHODS MUST BE USED ON ALL DISTURBED AREAS WHERE CONSTRUCTION ACTIVITIES HAVE CEASED FOR OVER 14 DAYS. METHODS USED WILL BE AS SHOWN ON PLANS, OR AS DIRECTED BY THE ENGINEER.

STRUCTURAL PRACTICES:

- [ ] STABILIZED CONSTRUCTION EXIT
- [X] TEMPORARY SILT FENCE
- [X] TEMPORARY SILT DIKES
- [ ] TEMPORARY FIBER LOG
- [ ] DIVERSION, INTERCEPTOR OR PERIMETER DIKES
- [ ] DIVERSION, INTERCEPTOR OR PERIMETER SWALES
- [X] ROCK FILTER DAMS
- [ ] TEMPORARY SLOPE DRAIN
- [X] PAVED DITCH W/DITCH LINER PROTECTION
- [ ] TEMPORARY DIVERSION CHANNELS
- [ ] TEMPORARY SEDIMENT BASINS
- [ ] TEMPORARY SEDIMENT TRAPS
- [ ] TEMPORARY SEDIMENT FILTERS
- [X] TEMPORARY SEDIMENT REMOVAL
- [X] RIP RAP
- [ ] INLET SEDIMENT FILTER
- [ ] TEMPORARY BRUSH SEDIMENT BARRIERS
- [ ] SANDBAG BERMS
- [ ] TEMPORARY STREAM CROSSINGS

OFFSITE VEHICLE TRACKING:

- [X] HAUL ROADS DAMPENED FOR DUST CONTROL
- [X] LOADED HAUL TRUCKS TO BE COVERED WITH TARPAULIN
- [X] EXCESS DIRT ON ROAD REMOVED DAILY

NOTES:

SILT SHALL BE REMOVED FROM TEMPORARY EROSION CONTROL DEVICES WHEN HALF FULL OR AS DIRECTED BY ENGINEER. COST TO BE INCLUDED IN THE PRICE BID FOR EROSION CONTROL DEVICE. DISTURBED TOTALS BY PHASE: PH1=14.19 AC, PH2=15.13 AC, PH3=1.17 AC, PH4=12.29 AC, PH5=15.19 AC, PH6=0.38 AC, PH7=0.14 AC TOTAL PROJECT = 55.10 AC INCLUDES AREAS OF OVERLAP

THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE FOLLOWING:

MAINTENANCE AND INSPECTION:

ALL EROSION AND SEDIMENT CONTROLS WILL BE MAINTAINED IN GOOD WORKING ORDER FROM THE BEGINNING OF CONSTRUCTION UNTIL AN ACCEPTABLE VEGETATIVE COVER IS ESTABLISHED. INSPECTION BY THE CONTRACTOR AND ANY NECESSARY REPAIRS SHALL BE PERFORMED ONCE EVERY 7 CALENDAR DAYS AND WITHIN 24 HOURS AFTER ANY STORM EVENT GREATER THAN 0.5 INCH AS RECORDED BY A NON-FREEZING RAIN GAUGE TO BE LOCATED ON SITE. POTENTIALLY ERODIBLE AREAS, DRAINAGEWAYS, MATERIAL STORAGE, STRUCTURAL DEVICES, CONSTRUCTION ENTRANCES AND EXITS ALONG WITH EROSION AND SEDIMENT CONTROL LOCATIONS ARE EXAMPLES OF SITES THAT NEED TO BE INSPECTED.

WASTE MATERIALS:

PROPER MANAGEMENT AND DISPOSAL OF CONSTRUCTION WASTE MATERIAL IS REQUIRED BY THE CONTRACTOR. MATERIALS INCLUDE STOCKPILES, SURPLUS, DEBRIS AND ALL OTHER BY-PRODUCTS FROM THE CONSTRUCTION PROCESS. PRACTICES INCLUDE DISPOSAL, PROPER MATERIALS HANDLING, SPILL PREVENTION AND CLEANUP MEASURES. CONTROLS AND PRACTICES SHALL MEET THE REQUIREMENTS OF ALL FEDERAL, STATE AND LOCAL AGENCIES.

HAZARDOUS MATERIALS:

PROPER MANAGEMENT AND DISPOSAL OF HAZARDOUS WASTE MATERIALS IS REQUIRED. THE CONTRACTOR IS RESPONSIBLE FOR FOLLOWING MANUFACTURER'S RECOMMENDATIONS, STATE AND FEDERAL REGULATIONS TO ENSURE CORRECT HANDLING, DISPOSAL, SPILL PREVENTION AND CLEANUP MEASURES. EXAMPLES INCLUDE BUT ARE NOT LIMITED TO: PAINTS, ACIDS, CLEANING SOLVENTS, CHEMICAL ADDITIVES, CONCRETE CURING COMPOUNDS AND CONTAMINATED SOILS.

GENERAL NOTES:

A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IS REQUIRED TO COMPLY WITH THE OKLAHOMA POLLUTION DISCHARGE ELIMINATION SYSTEM (OPDES) REGULATIONS. THIS PLAN IS INITIATED DURING THE DESIGN PHASE, CONFIRMED IN THE PRE-WORK MEETINGS AND AVAILABLE ON THE JOB SITE ALONG WITH COPIES OF THE NOTICE OF INTENT (NOI) FORM AND PERMIT CERTIFICATE THAT HAVE BEEN FILED WITH THE OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY (ODEQ). THE PLAN MUST BE KEPT CURRENT WITH UP-TO-DATE AMENDMENTS DURING THE PROGRESSION OF THE PROJECT. ALL CONTRACTOR OFF-SITE OPERATIONS ASSOCIATED WITH THE PROJECT MUST BE DOCUMENTED IN THE SWPPP, I.E., BORROW PITS, WORK ROADS, DISPOSAL SITES, ASPHALT/CONCRETE PLANTS, ETC. THE BASIC GOAL OF STORM WATER MANAGEMENT IS TO IMPROVE WATER QUALITY BY REDUCING POLLUTANTS IN STORM WATER DISCHARGES. RUNOFF FROM CONSTRUCTION SITES HAS A POTENTIAL FOR POLLUTION DUE TO EXPOSED SOILS AND THE PRESENCE OF HAZARDOUS MATERIALS USED IN THE CONSTRUCTION PROCESS. THE PREVENTION OF SOIL EROSION, CONTAINMENT OF HAZARDOUS MATERIALS AND/OR THE INTERCEPTION OF THESE POLLUTANTS BEFORE LEAVING THE CONSTRUCTION SITE ARE THE BEST PRACTICES FOR CONTROLLING STORM WATER POLLUTION.

THE FOLLOWING SECTIONS OF THE 2010 OTA STANDARD SPECIFICATIONS SHOULD BE NOTED:

- 103.05 BONDING REQUIREMENTS
- 104.10 FINAL CLEANING UP
- 104.12 CONTRACTOR'S RESPONSIBILITY FOR WORK
- 104.13 ENVIRONMENTAL PROTECTION
- 106.08 STORAGE AND HANDLING OF MATERIAL
- 107.01 LAWS, RULES AND REGULATIONS TO BE OBSERVED
- 107.20 STORM WATER MANAGEMENT
- 220 MANAGEMENT OF EROSION, SEDIMENTATION AND STORM WATER POLLUTION PREVENTION AND CONTROL
- 221 TEMPORARY SEDIMENT CONTROL

IN ADDITION:

"ODEQ GENERAL PERMIT (OKR10) FOR STORM WATER DISCHARGES FROM CONSTRUCTION ACTIVITIES WITHIN THE STATE OF OKLAHOMA." ODEQ, WATER QUALITY DIVISION, SEPTEMBER 13, 2017

Preliminary Plans

DESIGN	NMB	03/25
DRAWN	JLH	03/25
CHECKED	SCB	03/25
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

STORM WATER MANAGEMENT PLAN

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. AE02

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025

ODOT GENERAL CONSTRUCTION NOTES

IN ACCORDANCE WITH THE OKLAHOMA UNDERGROUND FACILITIES DAMAGE PREVENTION ACT THE CONTRACTOR SHALL NOTIFY THE OKLAHOMA ONE-CALL SYSTEM, INC. 48 HOURS PRIOR TO BEGINNING EXCAVATION. OKLAHOMA ONE-CALL SYSTEM, INC. "CALL OKIE" 1-800-522-6543 OR 811.

THIS PROJECT SHALL BE CONSTRUCTED WITHOUT CLOSING THE EXISTING ROAD TO LOCAL AND THROUGH TRAFFIC. SEE STANDARD SPECIFICATIONS FOR MAINTENANCE OF LOCAL AND THROUGH TRAFFIC.

MAINTENANCE OF THROUGH TRAFFIC INCLUDES THE MAINTENANCE OF THE EXISTING ROAD IN CLOSE PROXIMITY TO THE NEW CONSTRUCTION AS SHOWN ON THE PLANS.

FOR PROJECTS THAT INCLUDE WIDENING AND/OR RESURFACING, THE CONTRACTOR SHALL SCHEDULE OPERATIONS TO MINIMIZE POTENTIAL DROP-OFF HAZARDS AND SHALL SUBMIT A SEQUENCE OF CONSTRUCTION OPERATIONS TO THE RESIDENT ENGINEER FOR APPROVAL BEFORE OPERATIONS BEGIN. ANY PORTION OF THE CONSTRUCTION OPERATIONS, SUCH AS SUPERPAVE LAYING OPERATIONS, EXCAVATION FOR PAVEMENT WIDENING, OR EXTENSION OF ROADWAY STRUCTURES, SHALL BE LIMITED TO ONE SIDE AT A TIME, AND THE PROCEDURES OUTLINED IN THE PAVEMENT DROP-OFF TREATMENT STANDARD PDT-2 (LATEST REVISION) SHALL BE IMPLEMENTED. ONLY THAT AMOUNT OF OPEN TRENCH WILL BE ALLOWED THAT CAN BE SURFACED IN 1(ONE) DAY'S TIME WITHOUT APPROVAL BY THE ENGINEER. LIGHTS, SIGNS AND BARRICADES SHALL BE MOVED AS WORK PROGRESSES.

ALL TREES, BRUSH, SILT AND OTHER DEBRIS THAT MIGHT INTERFERE WITH THE FLOW OF WATER SHALL BE CLEANED OUT OF EXISTING STRUCTURES AND FLOWLINES, TO THE RIGHT-OF-WAY LINE, AT EACH STRUCTURE AND BRIDGE, IN A MANNER APPROVED BY THE ENGINEER. ALL COST TO BE INCLUDED IN OTHER ITEMS OF WORK.

THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY RIGHT-OF-WAY FENCE AS REQUIRED. WHEN THE PORTION OF THE PROJECT THAT REQUIRED THIS FENCE IS COMPLETED, THE TEMPORARY FENCE SHALL BE REMOVED, AND PERMANENT RIGHT-OF-WAY FENCING SHALL BE RESTORED OR INSTALLED IN A MANNER APPROVED BY THE ENGINEER. ALL COST OF TEMPORARY FENCING SHALL BE INCLUDED IN OTHER ITEMS OF WORK.

ALL FLOWLINES THAT ARE TO BE FILLED SHALL BE THOROUGHLY TAMPED BEFORE CONSTRUCTION OR EXTENSION OF DRAINAGE STRUCTURES. ALL COST TO BE INCLUDED IN OTHER ITEMS OF WORK.

IN ORDER TO ALLEVIATE DUST CONDITIONS DURING GRADING OPERATIONS AND BEFORE PAVEMENT WORK IS COMPLETED, THE CONTRACTOR SHALL SPRINKLE GRADING AT INTERVALS APPROVED BY THE ENGINEER. ALL COST TO BE INCLUDED IN OTHER ITEMS OF WORK.

THE CONTRACTOR SHALL NOT WASTE ANY EXCESS EXCAVATION UNTIL ALL PLANNED EMBANKMENTS AND BACKFILLS ARE COMPLETED. EXCESS UNCLASSIFIEDEXCAVATION MATERIAL DETERMINED BY THE ENGINEER TO BE SUITABLE FOR BACKFILL SHALL BE USED TO REDUCE ANY UNCLASSIFIED BORROW NEEDED. COST OF SECOND HANDLING SHALL BE INCLUDED IN OTHER ITEMS OF WORK. ANY REMAINING EXCESS EXCAVATION SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND BE DISPOSED OF IN A MANNER APPROVED BY THE ENGINEER.

PRIME COAT SHALL BE APPLIED TO THE SUBGRADE IMMEDIATELY AFTER FINAL COMPACTION AND SHAPING TO RETAIN MOISTURE FOR PROPER CHEMICAL REACTION OF THE SOIL ADDITIVE.

THE CONTRACTOR SHALL KEEP THE OPEN TRENCH DRAINED. COST TO BE INCLUDED IN OTHER ITEMS OF WORK.

TEMPORARY SEEDING MIX SHALL BE AS FOLLOWS:

KINDS OF SEED TO BE FURNISHED	QUANTITY PER ACRE
WHEAT (TRITICUM AESTIVUM)	120 LBS. OF SEED

VEGETATIVE MULCHING: THE VEGETATIVE MULCH SHALL BE ANCHORED IN ACCORDANCE WITH THE "MULCHING TILLER METHOD", AS SPECIFIED IN 233.04B(2) OF THE STANDARD SPECIFICATIONS.

THE PLANTING OF SEEDS WHEAT (TRITICUM AESTIVUM) SHALL BE RESTRICTED TO THE PERIOD FROM ********* TO *********.
AREAS ON WHICH SALVAGED TOPSOIL IS TO BE REPLACED SHALL HAVE 18-46-0 FERTILIZER APPLIED AT THE RATE OF 150 POUNDS PER ACRE, JUST PRIOR TO THE REPLACEMENT OF SALVAGED TOPSOIL.

AT THE BEGINNING OF TURFING OPERATIONS, ANY AREAS INCLUDED IN PLANNED QUANTITIES THAT HAVE GROWN A SATISFACTORY VOLUNTEER TURF OF PERENNIAL GRASS, AS DETERMINED BY THE ENGINEER, SHALL BE FERTILIZED AND WATERED AS CALLED FOR ON THE PLANS, BUT SHALL NOT BE SEEDED, SODDED, OR SPRIGGED.

PIPE UNDERDRAIN QUANTITIES ESTIMATED ONLY. LOCATION, IF AND WHERE REQUIRED, TO BE DETERMINED BY THE ENGINEER.

THE CONTRACTOR SHALL REMOVE AND RESET MAILBOXES AS NECESSARY. MAILBOXES ARE TO BE MAINTAINED IN AN UPRIGHT POSITION AND ACCESSIBLE TO MAIL CARRIER'S CAR DURING CONSTRUCTION. ANY DAMAGE TO BOXES OR SUPPORTS SHALL BE REPAIRED BY THE CONTRACTOR. ALL COST TO BE INCLUDED IN OTHER ITEMS OF WORK.

SURFACING OF RETURNS, UNLESS OTHERWISE SHOWN ON THE PLANS, SHALL BE OF THE SAME MATERIAL (BASE AND SURFACE) AS THAT OF THE ABUTTING SHOULDER OF THE MAINLINE. BASE AND SURFACE THICKNESS SHALL BE THE THICKNESS SHOWN ON PLANS.

T.B.S.C. SURFACES SHALL BE SPRINKLED WITH WATER AND ROLLED WITH A PNEUMATIC ROLLER IN A MANNER APPROVED BY THE ENGINEER.

THE ENGINEER SHALL CHECK GRADES AT RAMP TERMINALS, AND MAKE ANY ADJUSTMENTS OF THE GRADES AND SUPERELEVATIONS, WHICH ARE REQUIRED TO OBTAIN SMOOTH PROFILES FOR BOTH EDGES OF THE RAMP PAVEMENT. CROSS SLOPE BREAKOVER SHALL NOT EXCEED 5% (FIVE PERCENT).

ONLY THE SILICONE SEALANT OPTIONS, FROM STANDARD LECS-5, WILL BE ALLOWED ON THIS PROJECT.

PRIOR TO FINAL ACCEPTANCE, ALL EXPOSED CURB SURFACES SHALL BE CLEANED OF ALL DISCOLORATION SUCH AS ASPHALT STAIN, TIRE MARKS, OR OTHER DISFIGUREMENT.

EXCESS ASPHALT AT JOINTS AND CRACKS IN EXISTING PAVEMENT SHALL BE REMOVED FLUSH TO TOP OF PAVING IN A MANNER APPROVED BY THE ENGINEER.

ODOT GENERAL CONSTRUCTION NOTES CONTD.

ALL FEATURES OF THIS PROJECT INCLUDING, BUT NOT LIMITED TO, PATHS, SIDEWALKS, CURB RAMPS, AND CROSSWALK MARKINGS WILL COMPLY WITH PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG), PUBLISHED AUGUST 8TH, 2023. WHERE SPECIAL LIMITATIONS OF EXISTING FEATURES WITHIN THE LIMITS OF THE PROJECT PREVENT FULL COMPLIANCE WITH PROWAG, THE CONTRACTOR WILL IMMEDIATELY NOTIFY THE ENGINEER UPON DISCOVERY OF SUCH FEATURES. THE CONTRACTOR WILL NOT PROCEED WITH ANY OF THE WORK, WHICH IS NOT IN FULL COMPLIANCE WITH PROWAG, WITHOUT PRIOR WRITTEN APPROVAL FROM THE ENGINEER. ANY WORK WHICH IS NOT PERFORMED WITHIN THE GUIDELINES OF PROWAG FOR WHICH THE CONTRACTOR DOES NOT HAVE WRITTEN APPROVAL WILL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.

THE CROSS SLOPE FOR PATHS, SIDEWALKS, AND RAMPS WITHIN THE LIMITS OF AN ACCESSIBLE ROUTE WILL NOT EXCEED 1:50 OR 2%.

RAMP LONGITUDINAL SLOPES WILL NOT EXCEED 1:12 OR 8.33%.

THE CONTINUOUS PATH'S CROSS SLOPE WILL NOT EXCEED 2% THROUGH DRIVEWAYS. SEE DRIVEWAY DETAIL ON ODOT ROADWAY STANDARD WCR-4 AND SPECIAL DRIVEWAY DETAILS.

SIDEWALK AND RAMP LOCATIONS HAVE BEEN DEPICTED WITHOUT KNOWLEDGE OF ULTIMATE UTILITY STRUCTURE LOCATIONS. LOCATIONS WILL BE ADJUSTED TO AVOID ABOVE GRADE UTILITY STRUCTURES SUCH AS UTILITY POLES, RISERS, GUY ANCHORS, AND OTHER ABOVE GRADE APPURTENANCES. NO SUCH STRUCTURES WILL BE ALLOWED WITH THE 'PEDESTRIAN ACCESS ROUTE' AS DEFINED BY PROWAG.

GENERAL CONSTRUCTION NOTES

THE STORM WATER MANAGEMENT PLAN CONFIRMED IN THE PRE-WORK MEETING SHALL BE MADE AVAILABLE ON THE JOB SITE ALONG WITH COPIES OF THE NOTICE OF INTENT.

CONTRACTOR TO MAKE EVERY EFFORT TO LOCATE AND PROTECT ALL UTILITIES AND STRUCTURES, WHETHER SHOWN OR NOT, PRIOR TO ANY CONSTRUCTION OPERATIONS. CONTRACTOR SHALL PERFORM CONSTRUCTION IN MANNER THAT NO DAMAGE WILL OCCUR TO ANY UTILITIES OR STRUCTURES REMAINING IN PLACE.

IF EXISTING UTILITIES ARE IDENTIFIED DURING CONSTRUCTION, A FIELD CHANGE MAY BE REQUIRED TO ENSURE CLEARANCE OF THESE FACILITIES.

DEBRIS SHALL NOT BE BURIED WITHIN LIMITS OF RIGHT OF WAY.

BELOW IS A SUMMARY OF ITEMS TO BE REMOVED WITH COSTS TO BE INCLUDED IN THE "REMOVAL OF STRUCTURES & OBSTRUCTIONS" BID ITEM. LOCATIONS AND QUANTITIES BELOW ARE APPROXIMATE AND MAY NOT INCLUDE ALL ITEMS REQUIRING REMOVAL. ALL REMOVAL OPERATIONS SHALL BE PERFORMED TO THE SATISFACTION OF THE ENGINEER.

REMOVAL OF STRUCTURES & OBSTRUCTIONS

Station No. - Station No.	DESCRIPTION
Sta. 114+25.00 LT 65' CB20 to Sta. 114+40.00 LT 50' to 165' C/L (CLS I-35)	Misc.. Inventory C5:C28C35C5:C22C5:CC5:E19
Sta. 26+20.00 RT 33' to 50' C/L (CLS Waterloo)	50 LF of Wrought Iron Entry with Elec. Gate Opener & Key Pad
Sta. 26+20.00 RT 72' C/L (CLS Waterloo)	20' Wrought Iron Gate attached to above Entry
Sta. 26+70.00 RT 55' C/L (CLS Waterloo)	10' x 20' Metal Lighted Sign on 2 Steel Posts. "Waterloo Church"
Sta. 10+55.00 RT 35' C/L (CLS Waterloo)	1 Wire Cattle Panel on Cross Fence
Sta. 14+25.00 RT 65' C/L (CLS Waterloo)	(2) 10" Steel Sign Posts only. "No Sign"
Sta. 14+30.00 RT 65' C/L (CLS Waterloo)	2 Picnic tables and 2 Wire Spools
Sta. 18+10.00 RT 100' to 150' C/L (CLS Waterloo)	15' x 20' (300 SF) Concrete Slab, (2) 4' x 25' (100 SF)Concrete Pump Islands with 4 Steel Bollards each. (No Pumps), (2) Light Poles on each island and (2) 2' x 2' Concrete Bases with Piping.
Sta. 19+20 RT 220' C/L (CLS Waterloo)	Private Wood Light Pole (Active)
Sta. 20+15.00 RT 75' C/L (CLS Waterloo)	28' x 40' (1,120 SF) Concrete Pump Islanc, No pumps
Sta. 20+20.00 RT 140' C/L (CLS Waterloo)	45' x 80' (3,600 SF) Concrete Slab only. Old Service Station Foundation.
Sta. 21+00.00 RT 145" C/L (CLS Waterloo)	20 LF of 1 Rail Pipe Sales Lot Fence
Sta. 21+80.00 RT 65' C/L (CLS Waterloo)	5' x 10" Metal Sign on 2 Steel Posts "P&K / Storage"
Sta. 22+80.00 RT 110' C/L (CLS Waterloo)	5' x 24' Pipe Stand Up Gate
Sta. 30+60.00 RT 590' C/L (CLS Waterloo)	10 Rail Road Ties
Sta. 31+95.00 RT 85' C/L (CLS Waterloo)	6' x 16' Elec. Shell Sign on 1 Steel Pole "SHELL"
Sta. 34+25.00 LT 75' C/L (CLS Waterloo)	Landscaping Shrubs and Rocks
Sta. 35+35.00 LT 75' C/L (CLS Waterloo)	Private Light Pole on Concrete Base
Sta. 35+39.00 RT 328' C/L (CLS Waterloo)	Septic
Sta. 36+40.00 RT 125' C/L (CLS Waterloo)	Storm Cellar
Sta. 36+50.00 to 37+00.00 RT 292' C/L (CLS Waterloo)	Rail Road Tie Retaining Wall
Sta. 36+80.00 LT 75' C/L (CLS Waterloo)	2 Pipe Bollards around Air Pump Station on Concrete Pad
Sta. 37+15.00 LT 75' C/L (CLS Waterloo)	Private Light Pole on Concrete Base
Sta. 37+25.00 LT 75' C/L (CLS Waterloo)	2 Pipe Bollards around Air & Water Dispensor on Concrete Pad
Sta. 38+35.00 LT 65' C/L (CLS Waterloo)	Concrete Ruble
Sta. 38+55.00 LT 75' C/L (CLS Waterloo)	4' x 16' Concrete Block Entry Sign "No Verbiage"
Sta. 40+00.00 LT to Sta. 47+000.00 LT 35' C/L (CLS Waterloo)	700 LF of Pipe & Cable RW Fence with WWF

GEOTECHNICAL REPORT NOTES

THE GEOTECHNICAL REPORTS ARE AVAILABLE FOR REVIEW AT THE OFFICE ENGINEER DIVISION, ODOT: 200 N.E. 21ST STREET, OKLAHOMA CITY, OK 73105. CONTRACTOR SHOULD TAKE INTO CONSIDERATION THE INFORMATION CONTAINED WITHIN THE REPORTS FOR BIDDING PURPOSES. ANY INFORMATION CONTAINED IN THE GEOTECHNICAL REPORTS SHOULD NOT BE CONSTRUED AS REPRESENTATIVE OF ALL FIELD CONDITIONS.

BELOW IS A SUMMARY OF ALL COMPLETED GEOTECHNICAL REPORTS:

COMPANY	REPORT DATE	REPORT TITLE
TERRACON	JULY 6, 2020	THREE SPAN BRIDGE
TERRACON	MARCH 22, 2019	CUT SECTIONS
TERRACON	JANUARY 25, 2019	EMBANKMENT SOIL SURVEY
TERRACON	DECEMBER 6, 2018	IN-PLACE SOIL SURVEY
TERRACON	DECEMBER 21, 2018	PEDOLOGICAL & GEOLOGICAL SURVEY
TERRACON	SEPTEMBER 11, 2020	RETAINING WALLS
TERRACON	FEBRUARY 24, 2025	SIGNING & HIGH MAST LIGHING

Preliminary Plans

DESIGN	NMB	12/24	OKLAHOMA DEPARTMENT OF TRANSPORTATION
DRAWN	JLH	12/24	
CHECKED	SCB	1/25	GENERAL CONSTRUCTION NOTES (ROADWAY)
APPROVED			
SQUAD	GARVER		

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. AR01

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025

PAY QUANTITIES

JP 29843(04)

0100 - ROADWAY

ITEM NO.	CODE NO.	DESCRIPTION		UNIT	QUANTITY
201(A)	1200	CLEARING AND GRUBBING	(1)	LSUM	1.00
202(A)	2200	UNCLASSIFIED EXCAVATION	(R-1)	CY	347,729.00
202(C)	2400	ROCK EXCAVATION	(4,5)	CY	23,944.00
202(D)	2500	UNCLASSIFIED BORROW	(R-3)	CY	71,293.00
202(L)	4140	(SP) SETTLEMENT PLATE	(9)	EA	13.00
205(A)	6200	TYPE A-SALVAGED TOPSOIL	(R-4, R-6)	LSUM	1.00
221(C)	2410	REINFORCED SILT FENCE	(R-8)	LF	21,431.00
221(E)	2600	TEMPORARY SILT DIKE	(R-8)	LF	1,442.00
221(F)	2710	TEMPORARY ROCK FILTER DAM TYPE 2	(R-8)	CY	116.00
230(A)	7200	SOLID SLAB SODDING	(12)(R-6, R-7)	SY	266,691.00
232(B)	9300	SEEDING METHOD B	(R-6, R-7)	AC	110.20
233(A)	0200	VEGETATIVE MULCHING	(R-11)	AC	55.10
241	3100	MOWING	(15)(R-15)	AC	220.40
303(A)	1200	AGGREGATE BASE TYPE A	(R-16)	CY	47,452.00
307(K)	4200	STABILIZED SUBGRADE	(R-19)	SY	223,241.00
326(A)	1200	GEOTEXTILE REINFORCEMENT	(21)	SY	238,517.00
402(E)	2600	TRAFFIC BOUND SURFACE COURSE TYPE E	(20)(R-20)	TON	19,202.00
405	5100	PERMEABLE FRICTION COURSE	(R-21)	TON	1,873.00
407(B)	7300	TACK COAT	(R-25)	GAL	51,830.00
408	8100	PRIME COAT	(R-23)	GAL	52,984.00
409(A)	9200	FABRIC REINFORCEMENT		SY	467.00
411(B)	1300	SUPERPAVE, TYPE S3(PG 76-28 OK)	(R-26)	TON	8,339.00
411(B)	1330	SUPERPAVE, TYPE S3(PG 64-22 OK)	(R-26)	TON	63,944.00
411(C)	1400	SUPERPAVE, TYPE S4(PG 76-28 OK)	(R-26)	TON	2,002.00
411(C)	1430	SUPERPAVE, TYPE S4(PG 64-22 OK)	(R-26)	TON	9,773.00
411(F)	1700	STONE MATRIX ASPHALT	(R-27, R-28)	TON	3,408.00
411(G)	1800	RICH BOTTOM LAYER	(R-26)	TON	5,409.00
411(I)	2010	SUPERPAVE, TYPE S4(PATCH)(PG76-28OK)	(2)(R-26)	TON	1,000.00
412	3100	COLD MILLING PAVEMENT	(R-29, R-30)	SY	2,997.00
414(A)	5200	P.C.CONCRETE PAVEMENT(PLACEMENT)		SY	12,566.00
414(B)	5300	DOWEL JOINTED P.C.C.PAVT.(PLACEMENT)		SY	52,318.00
414(G)	5800	P.C. CONCRETE FOR PAVEMENT	(8)	CY	19,446.00
501(A)	1200	STRUCTURAL EXCAVATION UNCLASSIFIED		CY	134.00
501(G)	1810	CLSM BACKFILL	(14)	CY	400.00
504(D)	5420	CONCRETE RAIL (TR4)		LF	450.00
504(E)	5520	42" F-SHAPED PARAPET	(13)	LF	725.00
506(A)	7200	STRUCTURAL STEEL		LB	2,120.00
509(A)	0200	CLASS AA CONCRETE		CY	1,368.00
509(B)	0300	CLASS A CONCRETE	(13)	CY	508.00
509(D)	0500	CLASS C CONCRETE	(R-33)	CY	1,295.00
510(A)	1200	RETAINING WALL		SY	101.00
511(A)	2200	REINFORCING STEEL		LB	125,461.00
511(B)	2300	EPOXY COATED REINFORCING STEEL	(13)	LB	77,410.00
515(A)	7200	WATER REPELLANT (VISUALLY INSPECTED)	(13)	SY	606.00
601(B)	1220	TYPE I-A PLAIN RIPRAP	(6)(11)	TON	244.00
601(C)	1300	TYPE I-A FILTER BLANKET	(23)	TON	7.00
601(I)	1700	FILTER FABRIC (RIPRAP)		SY	246.00
609(A)	4230	CONC.CURB(6" BARRIER-INTEGRAL)		LF	7,879.00
609(A)	4250	CONC.CURB(6" MNTBLE-INTEGRAL)		LF	1,572.00
609(B)	4310	COMBINED CURB & GUTTER(6" BARRIER)		LF	2,374.00
610(A)	5200	4" CONCRETE SIDEWALK		SY	3,462.00
610(B)	5320	8" CONCRETE DRIVEWAY		SY	1,067.00
610(C)	5430	DECORATIVE MEDIAN CONCRETE		SY	4,777.00
610(I)	6000	TACTILE WARNING DEVICE-NEW		SF	312.00
611(A)	7215	MANHOLE(5' DIAMETER)	(R-35)	EA	18.00
611(A)	7220	MANHOLE(6' DIAMETER)	(R-35)	EA	5.00
611(A)	7230	MANHOLE(8' DIAMETER)	(R-35)	EA	3.00
611(B)	7305	ADD'L. DEPTH IN MANHOLE(5' DIAMETER)	(R-35)	VF	34.00
611(B)	7310	ADD'L. DEPTH IN MANHOLE(6' DIAMETER)	(R-35)	VF	1.00
611(B)	7320	ADD'L. DEPTH IN MANHOLE(8' DIAMETER)	(R-35)	VF	1.00
611(G)	7754	INLET CI DES. 2 (STD)	(R-34)(R-35)	EA	7.00
611(G)	7758	INLET CI DES. 2 (B)	(R-34)(R-35)	EA	5.00
611(G)	7766	INLET CI DES. 2 (D)	(R-34)(R-35)	EA	3.00
611(G)	0264	INLET W/SMALL JCT. BOX CI, DES.2	(R-34)(R-35)	EA	15.00
611(G)	0268	INLET W/SMALL JCT. BOX CI, DES.2(B)	(R-34)(R-35)	EA	5.00
611(G)	0276	INLET W/SMALL JCT. BOX CI, DES.2(D)	(R-34)(R-35)	EA	5.00
611(G)	0152	INLET W/LRG. JCT. BOX, CI, DES.2(D)	(R-34)(R-35)	EA	1.00
611(G)	0172	INLET W/LRG. JCT. BOX, CI, DES.3	(R-34)(R-35)	EA	2.00
611(G)	7930	INLET GPI TYPE 1 (DES. 1)		EA	7.00
611(G)	7958	INLET GPI TYPE 2 (DES. 8)		EA	1.00
611(G)	7978	INLET GPI TYPE 2 (DES. 12)		EA	3.00
611(G)	8175	INLET - LONG. BARRIER - TYPE II, DES. 2		EA	18.00
611(G)	0354	INLET (SMD-TYPE 2)	(19)(R-35)	EA	5.00
611(G)	0358	INLET (SMD-TYPE 2A)	(19)(R-35)	EA	1.00
611(H)	0414	ADD'L DEPTH IN INLET CI DES. 2	(R-35)	VF	41.00
611(H)	0820	ADD'L DEPTH IN INLET W/LJB, CI, DES. 2	(R-35)	VF	4.00
611(H)	0844	ADD'L DEPTH IN INLET W/LJB, CI, DES. 3	(R-35)	VF	13.00
611(H)	0920	ADD'L DEPTH IN INLET W/SJB, CI, DES. 2	(R-35)	VF	81.00
611(H)	1000	ADD'L DEPTH IN PRECAST INLET (GPI TYPE 1 DES. 1)	(R-35)	VF	4.00
611(H)	1040	ADD'L DEPTH IN PRECAST INLET (GPI TYPE 2 DES. 12)	(R-35)	VF	6.00
611(L)	1600	JUNCTION BOXES		CF	694.00
613(A)	5208	18" R.C.PIPE CLASS III	(16)	LF	2,995.00
613(A)	5216	24" R.C.PIPE CLASS III	(16)	LF	5,250.00
613(A)	5220	30" R.C.PIPE CLASS III	(16)	LF	327.00

PAY QUANTITIES

JP 29843(04)

0100 - ROADWAY

ITEM NO.	CODE NO.	DESCRIPTION		UNIT	QUANTITY
613(A)	5224	36" R.C.PIPE CLASS III	(16)	LF	1,130.00
613(A)	5232	48" R.C.PIPE CLASS III	(16)	LF	336.00
613(A)	5240	60" R.C.PIPE CLASS III	(16)	LF	446.00
613(B)	5508	18" CORR. GALV. STEEL PIPE	(16)(R-37)	LF	752.00
613(B)	5528	36" CORR. GALV. STEEL PIPE	(16)(R-37)	LF	62.00
613(B)	5544	60" CORR. GALV. STEEL PIPE	(16)(R-37)	LF	80.00
613(J)	6400	EDGE DRAIN CONDUIT-PERFORATED	(18)	LF	13,999.00
613(K)	6500	EDGE DRAIN OUTLET LATERAL-NONPERFORATED	(18)	LF	2,700.00
613(L)	6708	18" PREFAB. CULVERT END SEC., ROUND	(17)	EA	13.00
613(L)	6716	24" PREFAB. CULVERT END SEC., ROUND	(17)	EA	4.00
613(L)	6724	30" PREFAB. CULVERT END SEC., ROUND	(17)	EA	2.00
613(L)	6728	36" PREFAB. CULVERT END SEC., ROUND	(17)	EA	4.00
613(L)	6736	48" PREFAB. CULVERT END SEC., ROUND	(17)	EA	1.00
613(Q)	7500	OUTLET LATERAL HEADWALL		EA	54.00
619(A)	6200	REMOVAL OF STRUCTURES & OBSTRUCTIONS	(R-39)(R-40)(3)	LSUM	1.00
619(B)	6352	REMOVAL OF FENCE		LF	12,609.00
619(B)	6356	REMOVAL OF CURB AND GUTTER	(R-40)(R-41)	LF	731.00
619(B)	6360	REMOVAL OF CONCRETE PAVEMENT	(22)(R-40)(R-41)	SY	33,410.00
619(B)	6364	REMOVAL OF ASPHALT PAVEMENT	(22)(R-40)(R-41)	SY	106,407.00
619(B)	6380	REMOVAL OF CONCRETE DRIVEWAY	(R-40)(R-41)	SY	2,602.00
619(B)	6384	REMOVAL OF ASPHALT DRIVEWAY	(R-40)(R-41)	SY	1,712.00
619(B)	6396	REMOVAL OF GUARDRAIL	(R-40)	LF	2,051.00
619(B)	6432	REMOVAL OF CABLE BARRIER		LF	6,897.00
623(A)	1200	BEAM GUARDRAIL W-BEAM SINGLE		LF	862.50
623(F)	1764	GUARDRAIL TRAIL END TURNDOWN (31")		EA	5.00
623(G)	1820	GUARDRAIL END TREATMENT (31")		EA	5.00
624(A)	3200	FENCE-STYLE WWF	(R-43)	LF	6,282.00
624(C)	3405	FENCE-STYLE SWF (5 BARBED WIRE)	(R-43)(R-44)(10)	LF	1,[illegible]4.00
624(F)	3772	GATES-STYLE CLF (6'HIGH X 16'LONG)		EA	[illegible].00
627(A)	6200	CONCRETE LONGITUDINAL BARRIER, DESIGN 1		LF	1,735.00
627(B)	6300	CONCRETE LONGITUDINAL BARRIER END SEC.		EA	4.00
628(B)	7300	HIGH-TENSION CABLE BARRIER(TL-4)		LF	21,050.00
628(C)	7400	END ANCHORS		EA	2.00
628(F)	7700	(PL)HIGH TENSION CABLE BARR. RE-TENSION		EA	2.00
871(A)	2200	IMPACT ATTENUATOR	(7)	EA	4.00

PAY QUANTITIES

JP 29843(04)

0600 - STAKING

642(B)	3300	CONSTRUCTION STAKING LEVEL II	LSUM	1.00

PAY QUANTITIES

JP 29843(04)

0640 - CONSTRUCTION

220	1100	SWPPP DOCUMENTATION AND MANAGEMENT	LSUM	1.00
640(A)	1210	FIELD OFFICE	EA	1.00
641	2110	MOBILIZATION	LSUM	1.00

ROADWAY PAY QUANTITY NOTES

(R-1) PAYMENT FOR THIS ITEM WILL BE BASED ON PLAN QUANTITY ONLY. SEE SECTION 109.01B OF THE STANDARD SPECIFICATIONS.

(R-3) INCLUDES 500 C.Y. FOR DRIVEWAYS, RETURNS, DIKES, AND MISCELLANEOUS EARTHWORK.

(R-4) AN ESTIMATED QUANTITY OF 37,048 C.Y. TOPSOIL TO BE RESERVED FOR REPLACEMENT OF APPROXIMATELY 1" ON COMPLETED FORESLOPES, DITCHES, AND BACKSLOPES. THIS QUANTITY IS INCLUDED IN THE EARTHWORK QUANTITIES. ANY ADDITIONAL EXCAVATION REQUIRED IN CUT SECTIONS TO ALLOW FOR PLACEMENT OF TOPSOIL TO FINAL GRADE, SHALL BE INCLUDED IN THE PRICE BID.

(R-6) FOR SOLID SLAB SODDING PRICE BID TO INCLUDE COST OF 10-20-10 FERTILIZER, ESTIMATED AT 200 POUNDS PER 1,000 S.Y. OF SOLID SLAB SODDING. FOR SEEDING METHOD B PRICE BID TO INCLUDE COST OF 10-20-10 FERTILIZER, ESTIMATED AT 300 POUNDS PER ACRE. FOR TYPE A-SALVAGED TOP SOIL PRICE BID TO INCLUDE COST OF 18-46-0 FERTILIZER, ESTIMATED AT 150 POUNDS PER ACRE.

(R-7) FOR SOLID SLAB SODDING AND SEEDING METHOD B PRICE BID TO INCLUDE COST OF WATERING, ESTIMATED AT 40 GALLONS PER SQ. YD.

(R-8) PRICE BID TO INCLUDE COST OF ALL NECESSARY MAINTENANCE, MAINTAINING DEVICE IN PROPER UPRIGHT POSITION, REMOVAL OF DEVICE, AND REMOVAL OF SEDIMENT WHEN IT REACHES HALF THE HEIGHT OF THE DEVICE.

(R-11) THE QUANTITIES ESTIMATED FOR TEMPORARY EROSION AND SEDIMENT CONTROL IS 55.10 ACRES.

(R-15) QUANTITY BASED ON TWO APPLICATIONS.

(R-16) PAYMENT FOR THIS ITEM WILL BE THE THEORETICAL CROSS SECTION MULTIPLIED BY THE INSTALLED LENGTH.

(R-19) PRICE BID TO INCLUDE THE CHEMICAL ADDITIVE(S) TO ACHIEVE THE RATE SPECIFIED FOR THE APPROPRIATE SOIL CLASSIFICATION AS SPECIFIED IN THE MOST CURRENT ODOT MATERIALS DIVISION OHD L-50. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CLASSIFY THE SOIL AND DETERMINE THE APPROPRIATE ADDITIVE(S).

(R-20) ESTIMATED AT 140 LBS. PER CU. FT.

(R-21) ESTIMATED AT 93.6 LBS. PER SQ. YD. PER 1" THICK.

(R-23) PRIME COAT SHALL BE APPLIED AT AN ESTIMATED RATE OF 0.35 GAL. PER SQ. YD. WHEN APPLIED TO SUBGRADE, AND 0.25 GAL. PER SQ. YD. WHEN APPLIED TO AGGREGATE BASE. THE ACTUAL CUTBACK PRIME COAT REQUIRED FOR PLACEMENT OPERATIONS WILL BE DETERMINED BY THE CONTRACTOR, AND SHALL CONSIDER THE RESIDUE FROM DISTILLATION PERCENTAGE SHOWN IN SECTION 708.03 OF THE STANDARD SPECIFICATIONS.

(R-25) ESTIMATED AT 0.075 GALLONS PER SQUARE YARD OF ORIGINAL EMULSION OF TACK COAT (BEFORE DILUTION FOR APPLICATION) IN ACCORDANCE WITH SECTION 407 OF THE STANDARD SPECIFICATIONS.

(R-26) ESTIMATED AT 112 LBS. PER SQ. YD. PER 1" THICK.

(R-27) ESTIMATED AT 109 LBS. PER SQ. YD. PER 1" THICK.

(R-28) PNEUMATIC TIRE ROLLERS ARE NOT REQUIRED FOR STONE MATRIX ASPHALT MIXES.

ROADWAY PAY QUANTITY NOTES (CONTINUED)

(R-30) MILLINGS SHALL BECOME THE PROPERTY OF ODOT, TO BE HAULED AND STOCKPILED WITHIN TEN MILES OF THE PROJECT. MILLINGS SHALL BE FREE FROM SOIL OR FOREIGN MATERIAL AND SHALL CONTAIN NO PIECES GREATER THAN 4" DIAMETER. CARE SHOULD BE TAKEN WHEN STOCKPILING TO NOT INCORPORATE UNDERLYING MATERIAL INTO THE STOCKPILE.

(R-33) QUANTITY INCLUDES AN ESTIMATED 15 C.Y. TO BE USED AS DIRECTED BY THE ENGINEER.

(R-34) PRICE BID TO INCLUDE COST OF 0 - 4" MOUNTABLE CURB HOODS, 8 - 6" MOUNTABLE CURB HOODS, 138 - 6" BARRIER CURB HOODS, 0 - 8" BARRIER CURB HOODS.

(R-35) THE PRECAST CONCRETE OPTION MAY BE USED INSTEAD, PER DIRECTION OF THE ENGINEER.

(R-37) ANY DRAINAGE STRUCTURE DESCRIBED AS TEMPORARY, SHALL AFTER COMPLETION OF THE PROJECT, BE REMOVED BY AND BECOME THE PROPERTY OF THE CONTRACTOR.

(R-39) INCLUDES REMOVAL OF ALL EXISTING ROADWAY DRAINAGE STRUCTURES, HEADWALLS (UNLESS OTHERWISE SPECIFIED), INLETS, FENCES, AND OTHER STRUCTURES WITHIN THE RIGHT OF WAY.

(R-40) TO BECOME THE PROPERTY OF AND BE DISPOSED OF BY THE CONTRACTOR IN A MANNER APPROVED BY THE ENGINEER.

(R-41) MATERIALS REMOVED SHALL NOT BE MEASURED FOR PAYMENT UNDER SECTION 202.06 UNCLASSIFIED EXCAVATION.

(R-43) INCLUDES 2% FOR GROUND MEASUREMENT.

(R-44) ALL GATES AND GATE END POSTS FOR STRANDED WIRE FENCE (SWF) SHALL BE CONSTRUCTED AT THE SAME WIDTH AS THE EXISTING, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

ROADWAY SPECIAL PAY QUANTITY NOTES

(1) ALL TREE REMOVAL TO BE INCLUDED IN PRICE BID FOR CLEARING AND GRUBBING, EVEN WHEN TREES ARE NOT SHOWN ON THE PLANS. TREES OUTSIDE THE CONSTRUCTION PERIMETER SHALL BE LEFT IN PLACE, EXCEPT FOR EASTERN RED CEDAR TREES.

(2) THIS IS AN ESTIMATED QUANTITY TO BE USED AS DIRECTED BY THE ENGINEER TO PATCH EXISTING OR TEMPORARY SURFACES DURING CONSTRUCTION.

(3) APPROXIMATE LOCATIONS FOR ITEMS TO BE REMOVED BY THE CONTRACTOR INCLUDE, BUT NOT LIMITED TO, THE ITEMS LISTED ON THE ROADWAY GENERAL CONSTRUCTION NOTES, SEE SHEET AR01. ITEMS TO BE REMOVED MAY OR MAY NOT BE PRESENT IN ANY SPECIFIED CONDITION. REMOVAL ALSO INCLUDES OTHER ITEMS DEEMED NECESSARY BY THE ENGINEER TO CLEAR THE RIGHT-OF-WAY.

(4) ESTIMATED QUANTITY BASED ON FINDINGS IN CUT SURVEY REPORT REGARDING RIPABILITY. CONTRACTOR TO RECEIVE APPROVAL FROM ENGINEER PRIOR TO PERFORMING WORK. MATERIAL REMOVED ANTICIPATED TO BE UTILIZED AS FILL. SEE REQUIREMENTS IN EMBANKMENT REPORT FOR SIZE OF MATERIAL ALLOWED IN FILL SECTIONS. SEE GEOTECHNICAL REPORTS LISTED ON SHEET AR01.

(5) THE SUMMATION OF UNCLASSIFIED AND ROCK EXCAVATION EQUALS THE TOTAL AMOUNT REQUIRED TO ACHIEVE THE GRADING SURFACE SHOWN IN THE CROSS SECTIONS. UNCLASSIFIED EXCAVATION QUANTITY SHALL BE ADJUSTED TO COMPENSATE FOR ACTUAL ROCK EXCAVATION QUANTITY SURVEYED IN THE FIELD.

(6) ESTIMATED AT 150 LBS. PER CU. FT.

(7) PRICE BID SHALL INCLUDE MATERIAL, LABOR, AND INCIDENTALS REQUIRED TO CONSTRUCT FOOTING PAD PER MANUFACTURER'S SPECIFICATIONS. ATTENUATORS SHALL BE, SCI-100 GM (SMART CUSHION) OR APPROVED EQUAL WITHIN THE SAME CATEGORY. ATTENUATOR SHALL BE REDIRECTIVE, NON-GATING, AND MEET ALL NCHRP-350 TL-3 REQUIREMENTS AND OKLAHOMA DEPARTMENT OF TRANSPORTATION'S IMPACT ATTENUATORS GUIDELNIES MATRIX. FOR A COPY OF THIS TABLE, VISIT THE OKLAHOMA DEPARTMENT OF TRANSPORTATION TRAFFIC DIVISION WEBSITE AT: www.okladot.state.ok.us/traffic/pdfs/attenuatorguideline.pdf

(8) PRICE BID TO INCLUDE ALL MATERIAL AND LABOR FOR REINFORCED PANELS AND SAWING JOINTS AS ILLUSTRATED ON THE JOINT LAYOUT PLANS.

(9) PER THE EMBANKMENT SOIL SURVEY, BY TERRACON, SETTLEMENT PLATES ARE RECOMMENDED. SEE SHEET R158 - SETTLEMENT PLATE DETAIL

(10) USE 3-1/2" DIA X 8'-0" LONG GALV. STEEL(SCH. 40) PIPE FOR CORNER, STRETCHER & END POST AND 2" DIA. GALV. STEEL PIPE (SCH. 40) AS BRACING. ATTACH BRACE POST USING STANDARD CHAIN LINK FENCE HARDWARE MEETING THE REQUIREMENTS OF AASHTO M 181 AND ASTM A53. SEE CHAIN LINK FENCE DETAILS ON ROADWAY STANDARD RWF3-3. USE CORNER & STRETCHER POSTS DETAIL, NOT THE CORNER & STRETCHER POSTS DETAIL ALTERNATE SHOWN ON STANDARD RWF3-3 TO CONSTRUCT. PLACE CLASS A CONCRETE FOOTING AS PER ALTERNATE POST OPTION. OMIT TENSION WIRES. GATE POST WILL BE 5-9/16" DIA. X 8' LONG MEET THE REQUIREMENTS OF STANDARD RWF3-3 POST AND FRAMEWORK SCHEDULE GATE POST OVER 12' TO 18' WIDE. NO WOODEN POST WILL BE ALLOWED.

(11) PRICE BID SHALL INCLUDE EXCAVATION AS NEEDED SO THAT TOP OF RIP RAP MATCHES FLOWLINES SHOWN ON PLANS.

(12) TO BE UTILIZED AT THE DIRECTION OF THE ENGINEER IN AREAS WHERE SEEDING HAS NOT BECOME FULLY ESTABLISHED.

(13) REFER TO PARAPET WALL DETAILS SHEET 1 OF 2 FOR SUMMARY OF QUANTITIES AND ADDITIONAL DETAILS

(14) ESTIMATED QUANTITY TO BE USED TO FILL EXISTING DRAINAGE STRUCTURES UNDER I-35, AS APPROVED BY THE ENGINEER.

(15) DURATION OF PROJECT WILL INCLUDE AT LEAST TWO MOWING SEASONS.

(16) PRICE BID SHALL INCLUDE COST FOR TRENCH EXCAVATION AND STANDARD BEDDING MATERIAL.

(17) ALL END SECTIONS SHALL BE CONCRETE.

(18) PRICE BID TO INCLUDE COST OF TRENCH EXCAVATION, BACKFILL, AND CONNECTION TO STORM SEWER STRUCTURES WHERE APPLICABLE

(19) PRICE BID SHALL INCLUDE COST OF INLET GRATE, AND ANY MATERIALS AND LABOR FOR ADDITIONAL DEPTH.

(20) 500 TONS TBSC TO BE USED FOR TEMPORARY ACCESS AT DISCRETION OF FIELD ENGINEER.

(21) GEOTEXTILE REINFORCEMENT SHALL BE RS380i OR APPROVED EQUAL.

(22) PRICE BID TO INCLUDE COST OF SAWING PAVEMENT

(23) ESTIMATED AT 120 LBS. PER CU. FT.

Preliminary Plans

DESIGN	NMB	12/24	OKLAHOMA DEPARTMENT OF TRANSPORTATION
DRAWN	JLH	12/24	
CHECKED	SCB	1/25	SUMMARY OF PAY QUANTITES AND NOTES (ROADWAY)
APPROVED			
SQUAD	GARVER		

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. AR02

3/28/2025 12:42:35 PM L:\2014\4037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\SUMPAY_29843_ROAD_001.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025

SUMMARY OF SURFACING QUANTITIES

STATION AND LOCATION	AGGREGATE BASE TYPE A 303(A)	STABILIZED SUBGRADE 307(K)	GEOTEXTILE REINFORCEMENT 326(A)	TRAFFIC BOUND SURFACE COURSE TYPE E 402(E)	PERMEABLE FRICTION COURSE 405	TACK COAT 407(B)	PRIME COAT 408	FABRIC REINFORCEMENT 409(A)	SUPERPAVE, TYPE S3(PG 64-22 OK) 411(B)	SUPERPAVE, TYPE S3(PG 76-28 OK) 411(B)	SUPERPAVE, TYPE S4(PG 64-22 OK) 411(C)	SUPERPAVE, TYPE S4(PG 76-28 OK) 411(C)	STONE MATRIX ASPHALT 411(F)	RICH BOTTOM LAYER 411(G)	P.C. CONCRETE PAVEMENT (PLACEMENT) 414(A)	DOWEL JOINTED P.C.C. PAVT. (PLACEMENT) 414(B)	P.C. CONCRETE FOR PAVEMENT 414(G)	CONC. CURB (6" BARRIER-INTEGRAL) 609(A)	CONC. CURB (6" MNTBLE-INTEGRAL) 609(A)	COMBINED CURB & GUTTER (6" BARRIER) 609(B)	4" CONCRETE SIDEWALK 610(A)	DECORATIVE MEDIAN CONCRETE 610(C)	TACTILE WARNING DEVICE-NEW 610(I)
	CY	SY	SY	TON	TON	GAL	GAL	SY	TON	TON	TON	TON	TON	TON	SY	SY	CY	LF	LF	LF	SY	SY	SF
MAINLINE																							
96+75.00 TO 102+00.00	504.00	2,519.00	3,124.00	606.40	-	857.00	556.00	467.00	1,054.80	560.20	156.70	368.00	-	-	-	-	-	-	-	-	-	-	-
102+00.00 TO 107+00.00	1,488.00	6,936.00	7,803.00	715.20	226.10	2,201.00	1,665.00	-	2,993.80	639.60	286.10	-	410.00	653.60	-	-	-	-	-	-	-	-	-
107+00.00 TO 122+00.00	4,897.00	22,759.00	25,361.00	2,145.60	792.70	7,334.00	5,482.00	-	9,637.40	2,247.30	858.00	-	1,442.90	2,289.30	-	-	-	-	-	-	-	-	-
122+00.00 TO 137+00.00	5,089.00	23,566.00	25,753.00	2,145.60	822.60	7,593.00	5,702.00	-	9,956.80	2,333.00	884.20	-	1,498.60	2,375.00	-	-	-	-	-	-	-	-	-
137+00.00 TO 137+88.17	267.00	1,199.00	1,238.00	126.20	31.20	341.00	300.00	-	494.90	87.70	54.70	-	56.00	90.20	-	-	-	-	-	-	-	-	-
140+54.83 TO 152+00.00	3,484.00	16,129.00	17,622.00	1,649.00	-	-	3,905.00	-	2,479.50	-	-	-	-	-	5,726.00	8,582.00	4,570.00	-	-	-	-	-	-
152+00.00 TO 162+00.00	3,106.00	14,459.00	15,953.00	1,439.90	-	-	3,476.00	-	2,256.30	-	-	-	-	-	5,126.00	7,833.00	4,140.00	-	-	-	-	-	-
162+00.00 TO 167+00.00	509.00	2,529.00	2,975.00	577.50	-	18,827.00	563.00	-	338.40	-	-	-	-	-	445.00	1,334.00	568.00	-	-	-	-	-	-
167+00.00 TO 167+25.00	26.00	127.00	149.00	28.90	-	1,430.00	29.00	-	16.90	-	-	-	-	-	23.00	67.00	29.00	-	-	-	-	-	-
RAMPS																							
RAMP A																							
130+24.21 TO 137+55.90	777.00	3,846.00	4,589.00	668.90	-	681.00	861.00	-	1,312.10	394.90	72.90	259.50	-	-	-	-	-	-	-	-	-	-	-
RAMP B																							
130+87.33 TO 137+67.79	825.00	4,029.00	4,709.00	622.10	-	737.00	916.00	-	1,406.70	444.40	68.20	292.80	-	-	-	-	-	-	-	-	-	-	-
RAMP C																							
141+09.03 TO 147+79.91	637.00	3,184.00	3,818.00	443.10	-	-	704.00	-	419.40	-	-	-	-	-	606.00	1,574.00	485.00	-	-	-	-	-	-
RAMP D																							
141+05.15 TO 148+24.29	607.00	3,075.00	3,753.00	475.00	-	-	670.00	-	392.80	-	-	-	-	-	640.00	1,360.00	445.00	-	-	-	-	-	-
STREET RETURNS																							
WATERLOO RD																							
40+00.00 TO 45+00.00	620.00	2,892.00	3,114.00	99.60	-	534.00	689.00	-	988.30	397.10	-	263.60	-	-	-	-	-	-	-	-	40.00	-	-
45+00.00 TO 60+00.00	2,708.00	12,412.00	13,079.00	217.60	-	1,207.00	3,029.00	-	3,221.90	898.30	-	596.50	-	-	-	5,796.00	1,[illegible]00	1,[illegible]00	-	794.00	1,193.00	-	72.00
60+00.00 TO 75+00.00	5,042.00	22,690.00	23,356.00	5.90	-	-	5,674.00	-	3,810.80	-	-	-	-	-	-	21,523.00	6,27[illegible]00	[illegible]32.00	1[illegible]2.00	-	1,248.00	4,777.00	192.00
75+00.00 TO 84+05.00	1,674.00	7,724.00	8,127.00	94.50	-	628.00	1,868.00	-	1,983.30	335.60	87.20	221.60	-	-	-	4,249.00	1,240.[illegible]	822.00	-	-	555.00	-	48.00
BOUCHER RD																							
11+61.65 TO 15+12.82	561.00	2,611.00	2,767.00	35.10	-	332.00	628.00	-	734.50	-	243.60	-	-	-	-	-	-	-	-	384.00	108.00	-	-
FRONTAGE RD																							
10+89.00 TO 16+45.00	440.00	1,990.00	2,237.00	5.80	-	222.00	491.00	-	495.40	-	165.00	-	-	-	-	-	-	-	-	662.00	318.00	-	-
INDUSTRIAL BLVD																							
10+00.00 TO 19+58.00	1,022.00	5,057.00	5,483.00	225.70	-	603.00	1,131.00	-	1,358.70	-	444.30	-	-	-	-	-	-	-	-	11.00	-	-	-
TEMPORARY																							
MAINLINE																							
87+00.00 TO 102+00.00	1,518.00	7,210.00	7,210.00	426.70	-	953.00	1,692.00	-	2,140.40	-	706.90	-	-	-	-	-	-	-	-	-	-	-	-
102+00.00 TO 107+00.00	909.00	4,330.00	4,330.00	298.60	-	569.00	1,013.00	-	1,277.40	-	421.70	-	-	-	-	-	-	-	-	-	-	-	-
107+00.00 TO 122+00.00	2,061.00	9,962.00	9,962.00	1,161.50	-	1,263.00	2,292.00	-	2,840.30	-	[illegible]	-	-	-	-	-	-	-	-	-	-	-	-
122+00.00 TO 137+00.00	2,292.00	11,038.00	11,038.00	800.40	-	1,411.00	2,550.00	-	3,173.50	-	[illegible]45.30	-	-	-	-	-	-	-	-	-	-	-	-
137+00.00 TO 152+00.00	536.00	2,489.00	2,489.00	228.40	-	347.00	600.00	-	778.[illegible]0	-	[illegible]8.30	-	-	-	-	-	-	-	-	-	-	-	-
152+00.00 TO 167+00.00	2,007.00	9,380.00	9,380.00	553.20	-	1,289.00	2,244.00	-	893.1[illegible]	-	9[illegible].40	-	-	-	-	-	-	-	-	-	-	-	-
167+00.00 TO 182+00.00	489.00	2,336.00	2,336.00	246.90	-	305.00	545.00	-	[illegible]4.20	-	22[illegible].[illegible]0	-	-	-	-	-	-	-	-	-	-	-	-
SHOOFLY-1																							
133+50.00 TO 145+00.00	996.00	4,478.00	4,478.00	-	-	672.00	1,120.00	-	504.[illegible]	-	501.50	-	-	-	-	-	-	-	-	-	-	-	-
TEMP BRIDGE																							
138+52.12 TO 139+73.06											46.00												
RAMPS					-																		
Shoofly Ramp A-1																							
50+00.00 TO 54+02.80	225.00	1,199.00	1,198.00	180.00	-	[illegible]	246.0[illegible]	-	261.90	-	83.90	-	-	-	-	-	-	-	-	-	-	-	-
Shoofly Ramp A-2																							
60+00.00 TO 62+20.70	33.00	214.00	214.00	59.20	-	[illegible].00	35.00	-	23.70	-	6.80	-	-	-	-	-	-	-	-	-	-	-	-
Shoofly Ramp A-3																							
68+15.80 TO 73+57.97	36.00	190.00	190.00	242.20	-	18.00	39.00	-	40.80	-	13.10	-	-	-	-	-	-	-	-	-	-	-	-
Shoofly Ramp B-1																							
50+00.00 TO 54+04.53	277.00	1,434.00	1,434.00	180.70	-	150.00	305.00	-	339.90	-	109.80	-	-	-	-	-	-	-	-	-	-	-	-
Shoofly Ramp B-2																							
60+00.00 TO 64+28.29	76.00	404.00	404.00	191.40	-	39.00	83.00	-	88.60	-	28.50	-	-	-	-	-	-	-	-	-	-	-	-
Shoofly Ramp C-1																							
50+00.00 TO 54+70.65	249.00	1,360.00	1,360.00	238.30	-	122.00	270.00	-	277.10	-	88.20	-	-	-	-	-	-	-	-	-	-	-	-
STREET RETURNS																							
WATERLOO RD																							
40+00.00 TO 45+00.00	227.00	1,133.00	1,133.00	121.80	-	132.00	251.00	-	296.60	-	96.90	-	-	-	-	-	-	-	-	-	-	-	-
45+00.00 TO 60+00.00	381.00	1,939.00	1,939.00	253.60	-	214.00	420.00	-	483.70	-	157.30	-	-	-	-	-	-	-	-	-	-	-	-
60+00.00 TO 75+00.00	624.00	3,120.00	3,120.00	382.10	-	361.00	689.00	-	813.50	-	265.70	-	-	-	-	-	-	-	-	-	-	-	-
75+00.00 TO 84+05.00	94.00	525.00	525.00	116.70	-	44.00	101.00	-	99.10	-	265.70	-	-	-	-	-	-	-	-	-	-	-	-
BOUCHER RD																							
11+61.65 TO 15+12.82	93.00	492.00	492.00	21.80	-	49.00	102.00	-	109.50	-	35.20	-	-	-	-	-	-	-	-	-	-	-	-
FRONTAGE RD																							
10+89.00 TO 16+45.00	46.00	275.00	275.00	20.60	-	17.00	48.00	-	39.40	-	11.90	-	-	-	-	-	-	-	-	-	-	-	-
INDUSTRIAL BLVD																							
10+00.00 TO 19+58.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTALS:	**47,452.00**	**223,241.00**	**238,517.00**	**18,051.70**	**1,872.60**	**51,608.00**	**52,984.00**	**467.00**	**63,518.60**	**8,338.10**	**9,582.70**	**2,002.00**	**3,407.50**	**5,408.10**	**12,566.00**	**52,318.00**	**19,446.00**	**7,775.00**	**1,572.00**	**2,289.00**	**3,462.00**	**4,777.00**	**312.00**

Preliminary Plans

DESIGN	NMB	12/24	OKLAHOMA DEPARTMENT OF TRANSPORTATION
DRAWN	JLH	12/24	
CHECKED	SCB	1/25	SUMMARY SHEET (ROADWAY) SHEET (1 OF 4)
APPROVED			
SQUAD	GARVER		

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. AR03

3/28/2025 9:12:47 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\SUMO_29843_ROAD_001.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025

SUMMARY OF REMOVALS

REMOVALS SHEET NO.	COLD MILLING PAVEMENT 412	REMOVAL OF FENCE 619(B)	REMOVAL OF CURB & GUTTER 619(B)	REMOVAL OF CONCRETE PAVEMENT 619(B)	REMOVAL OF ASPHALT PAVEMENT 619(B)	REMOVAL OF CONCRETE DRIVEWAY 619(B)	REMOVAL OF ASPHALT DRIVEWAY 619(B)	REMOVAL OF GUARDRAIL 619(B)	REMOVAL OF CABLE BARRIER 619(B)
	SY	LF	LF	SY	SY	SY	SY	LF	LF
1 OF 9	-	79.00	149.00	-	2,229.00	365.00	365.00	-	-
2 OF 9	-	1,186.00	413.00	-	7,276.00	970.00	183.00	211.00	-
3 OF 9	-	2,631.00	-	9,153.00	25,970.00	620.00	407.00	1,624.00	745.00
4 OF 9	-	3,080.00	169.00	-	3,078.00	647.00	757.00	-	-
5 OF 9	2,997.00	-	-	-	9,101.00	-	-	-	626.00
6 OF 9	-	1,130.00	-	-	21,311.00	-	-	-	1,500.00
7 OF 9	-	594.00	-	1,580.00	24,219.00	-	-	-	1,500.00
8 OF 9	-	2,771.00	-	16,948.00	6,221.00	-	-	216.00	1,500.00
9 OF 9	-	1,138.00	-	5,729.00	7,002.00	-	-	-	1,026.00
TOTALS:	**2,997.00**	**12,609.00**	**731.00**	**33,410.00**	**106,407.00**	**2,602.00**	**1,712.00**	**2,051.00**	**6,897.00**

SUMMARY OF FENCE

SHEET NO.	ALIGNMENT	STATION	TO	STATION	FENCE-STYLE WWF 624(A)	FENCE-STYLE SWF (5 BARBED WIRE) 624(C)	GATES-STYLE CLF (6'HIGH X 16'LONG) 624(F)
					LF	LF	EA
R020-R021	A001	103+12.80	TO	108+73.97	-	576.00	-
R021	A001	113+54.22	TO	118+40.00	-	488.00	-
R023-R025	A001	140+41.76	TO	170+62.80	3,041.00	-	-
R023-R024	A001	143+55.79	TO	163+	1,976.00	-	-
R039	A001 TO A002	136+45.00	TO	2 75.00	145.00	-	-
R036	A002	37+00.00	TO	43	-	626.00	-
R036	A002	30+47.95	TO	37+00.00	996.00	-	1.00
				TOTALS:	**6,158.00**	**1,690.00**	**1.00**

SUMMARY OF DITCH TREATMENT

P&P SHEET NO.	STATION AND LOCATION		LENGTH	CONCRETE LINER BOTTOM WIDTH	CONCRETE LINER CURTAIN WALLS	CONCRETE LINER CLASS C CONCRETE 509(D)	DES. NO.
			LF	LF	EA	CY	
	MAINLINE						
	103+30.00 TO 111+10.00	LT	780	8	9	140.00	2A
	120+75.00 TO 126+20.00	LT	545	8	7	98.00	2A
	132+05.00 TO 137+50.00	LT	545	8	7	98.00	2A
	133+50.00 TO 138+00.00	RT	450	8	6	81.00	
	140+00.00 TO 146+00.00	LT	600	8	7		2A
	140+25.00 TO 146+30.00	RT	605	8	8	09.00	2A
	162+00.00 TO 162+65.00	RT	65	8		2.00	A
	162+00.00 TO 162+50.00	LT	50	8		00	2A
	RAMP A						
	129+00.00 TO 137+95.00	LT	895		10	116.00	2A
	RAMP C						
	140+70.00 TO 148+00.00	LT	730	8	9	132.00	2A
	WATERL						
	40+55.0 TO 42+35.	L	1	2	3	10.00	1
	42+75.00 TO 43+9	RT	118	4	3	16.00	2A
	43+00.00	LT	1,140	2	13	61.00	1
	50+60.00 TO 52+15.00	RT	155	4	3	21.00	2A
	52+51.39 TO +72.00	RT	121	4	3	16.00	2A
	54+40.00 TO 28.00	RT	88	8	2	17.00	2A
	57+00.62 TO 59+52.10	RT	252	8	4	46.00	2A
	60+00.00 TO 63+00.00	LT	300	4	4	39.00	2A
	80+05.07 TO 84+09.00	LT	404	8	6	73.00	2A
	BOUCHER RD						
	12+05.00 TO 13+35.20	LT	131	4	3	18.00	2A
	INDUSTRIAL BLVD						
	13+30.00 TO 16+35.00	LT	305	4	5	40.00	2A
	15+18.25 TO 16+60.00	RT	142	4	3	19.00	2A
				TOTALS:	119.00	**1,280.00**	

SUMMARY OF GUARD RAIL & CABLE BARRIER

STATION AND LOCATION		TACK COAT 407(B)	SUPERPAVE, TYPE S3 (PG 64-22 OK) 411(B)	SUPERPAVE, TYPE S4 (PG 64-22 OK) 411(C)	BEAM GUARDRAIL W-BEAM SINGLE 623(A)	GUARDRAIL END TREATMENT (31") 623(G)	GUARDRAIL TRAIL END TURNDOWN (31") 623(F)	HIGH-TENSION CABLE BARRIER (TL-4) 628(B)	END ANCHORS 628(C)	(PL)HIGH TENSION CABLE BARR. RE-TENSION 628(F)
		GAL	TON	TON	LF	EA	EA	LF	EA	EA
94+59.71 TO 97+44.09	RT	-	-	-	212.50	1.00	1.00	-	-	-
96+75.00 TO 102+00.00	MED	-	-	-	-	-	-	525.00	1.00	1.00
96+75.49 TO 99+34.87	LT	11.00	23.42	15.36	200.00	1.00	1.00	-	-	-
107+88.13 TO 111+15.00	RT	7.00	14.39	9.60	75.00	1.00	1.00	-	-	-
124+75.63 TO 129+12.46	RT	10.00	20.97	13.98	187.50	1.00	1.00	-	-	-
149+35.15 TO 153+74.37	LT	11.00	23.55	14.56	187.50	1.00	1.00	-	-	-
162+00.00 TO 167+25.00	MED	-	-	-	-	-	-	525.00	1.00	1.00
TOTALS:		**39.00**	**82.33**	**53.50**	**862.50**	**5.00**	**5.00**	**1,050.00**	**2.00**	**2.00**

Preliminary Plans

DESIGN	NMB	12/24
DRAWN	JLH	12/24
CHECKED	SCB	1/25
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUMMARY SHEET (ROADWAY)
SHEET (2 OF 4)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. AR04

3/28/2025 9:12:51 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\SUMO_29843_ROAD_002.dgn

SUMMARY OF EARTHWORK QUANTITIES

CONSTRUCTION PHASE	**UNCLASSIFIED EXCAVATION 202(A)**	****ROCK EXCAVATION 202(C)**	EMBANKMENT 15%	EXCESS UNCLASSIFIED EXCAVATION	**UNCLASSIFIED BORROW 202(D)**	* WASTE	REMARKS
	CY	C.Y.	CY	CY	**CY**	CY	
PHASE 1	23,543	5,914	17,871	5,672	-	-	NOTE 1
PHASE 2A	55,039	8,720	26,356	28,683	-	-	NOTE 2
PHASE 2B	27,048	9,310	3,975	23,073	-	-	NOTE 3
PHASE 3	14,254	-	4,514	9,740	-	-	NOTE 4
PHASE 4	124,613	-	286,518	-	70,793	-	NOTE 5
PHASE 5	79,934	-	75,401	4,533	-	4,533	NOTE 6
PHASE 6	1,204	-	629	575	-	575	
PHASE 7	21,001	-	807	20,194	-	20,194	
PHASE 8	-	-	-	-	-	-	
TOTALS:	**346,636**	**23,944**	416,071	92,470	**70,793**	25,302	

* EXCESS EXCAVATION WILL BE USED WITHIN THE PROJECT LIMITS, AS DIRECTED BY THE ENGINEER. ANY EXCESS NOT USED WITHIN THE PROJECT LIMITS WILL BE CONSIDERED WASTE, AND WILL BECOME PROPERTY OF THE CONTRACTOR, TO BE DISPOSED OFF-SITE.

**SEE GEOTECHNICAL REPORT BY TERRACON: "CUT SECTIONS" FOR SEISMIC LINE LOCATIONS WHERE ROCK MAY BE ENCOUNTERED. THIS TABLE ASSUMES ROCK EXCAVATION TO BE RE-USED IN MABNKMENT. THIS MATERIAL MUST BE PROCESSED TO THE EXTENT IT ADHERES TO SECTION 202.04(5)(B) OF THE 2019 STANDARD SPECIFICATIONS

NOTE 1: WASTE REDUCED BY 11,586 C.Y. TO REPLACE UNCLASSIFIED BORROW IN PHASE 4.

NOTE 2: WASTE REDUCED BY 37,403 C.Y. TO REPLACE UNCLASSIFIED BORROW IN PHASE 4. EMBANKMENT INCREASED BY 610 CY FOR OVERBUILD PER EMBANKMENT SOIL SURVEY BY TERRACON

NOTE 3: WASTE REDUCED BY 32,383 C.Y. TO REPLACE UNCLASSIFIED BORROW IN PHASE 4.

NOTE 4: WASTE REDUCED BY 9,740 C.Y. TO REPLACE UNCLASSIFIED BORROW IN PHASE 4.

NOTE 5: EMBANKMENT INCREASED BY 610 CY FOR OVERBUILD PER EMBANKMENT SOIL SURVEY BY TERRACON

NOTE 6: EMBANKMENT INCREASED BY 3,747 CY FOR OVERBUILD PER EMBANKMENT SOIL SURVEY BY TERRACON

SUMMARY OF SEDIMENT & EROSION CONTROL

			TEMPORARY						PERMANENT				
STATION	TO	STATION	**REINFORCED SILT FENCE 221(C)** LF	**TEMPORARY SILT DIKE 221(E)** LF	**ROCK FILTER DAM TYPE 2 221(F)** CY	**SEEDING METHOD B 232(B)** AC	* FERTILIZING TEMP (10-20-10) TON	**VEGETATIVE MULCHING 233(A)** AC	**SOLID SLAB SODDING 230(A)** SY	* FERTILIZING PERM (10-20-10) TON	* WATERING K GAL	* TYPE-A SALVAGE TOPSOIL	* FERTILIZING (18-46-0) TON
MAINLINE													
87+00.00	TO	102+00.00	2,091.00	49.00	-	7.07	1.06	3.54	17,111.00	1.[illegible]	[illegible].00	2,37[illegible].00	0.53
102+00.00	TO	107+00.00	1,158.00	56.00	14.00	5.43	0.81	2.72	13,148.00	1.3[illegible]	52[illegible].00	[illegible],827.00	0.41
107+00.00	TO	122+00.00	3,013.00	77.00	-	12.47	1.87	6.23	30,174.00	3.02	1,207.[illegible]	4,191.00	0.94
122+00.00	TO	137+00.00	2,617.00	147.00	14.00	11.78	1.77	5.89	28,510.00	2.85	1,141.00	3,960.00	0.88
137+00.00	TO	152+00.00	102.00	56.00	28.00	16.09	2.41	8.05	[illegible],[illegible]00	3.[illegible]	1,558.00	5,410.00	1.21
152+00.00	TO	167+00.00	433.00	224.00	6.00	16.17	2.43	8.08	39,131.[illegible]	3.91	1,566.00	5,435.00	1.21
167+00.00	TO	167+25.00	386.00	21.00	-	0.22	0.03	[illegible]1	523.0[illegible]	0.05	21.00	73.00	0.02
RAMPS													
130+24.21	TO	137+55.90	771.00	70.00	-	2.66	[illegible]	1.3[illegible]	[illegible],[illegible]28.00	0.64	258.00	893.00	0.20
130+87.33	TO	137+67.79	-	70.00	-	2.68	0.40	[illegible].34	6,498.00	0.65	260.00	903.00	0.20
141+09.03	TO	147+79.91	324.00	49.00	-	2.58	[illegible].[illegible]	[illegible].29	6,237.00	0.62	250.00	867.00	0.19
141+05.15	TO	148+24.29	-	56.00	-	3.8[illegible]	0.58	1.93	9,347.00	0.93	374.00	1,299.00	0.29
WATERLOO RD													
40+00.00	TO	45+00.00	1,004.00	-	-	1.79	0.27	0.89	4,325.00	0.43	173.00	601.00	0.13
45+00.00	TO	60+00.00	2,313.00	77.00	-	7.45	1.12	3.73	18,041.00	1.80	722.00	2,506.00	0.56
60+00.00	TO	75+00.00	2,757.00	301.00	-	6.50	0.98	3.25	15,739.00	1.57	630.00	2,186.00	0.49
75+00.00	TO	84+05.00	1,772.00	35.00	-	4.23	0.63	2.11	10,229.00	1.02	410.00	1,421.00	0.32
SIDE STREETS													
11+61.65	TO	15+12.82	709.00	-	-	0.76	0.11	0.38	1,840.00	0.18	74.00	256.00	0.06
10+89.00	TO	16+45.00	1,100.00	21.00	-	0.82	0.12	0.41	1,990.00	0.20	80.00	277.00	0.06
10+00.00	TO	19+58.00	881.00	133.00	54.00	7.63	1.14	3.82	18,471.00	1.85	739.00	2,566.00	0.57
		TOTALS:	**21,431.00**	**1,442.00**	**116.00**	**110.20**	16.53	**55.10**	**266,691.00**	26.67	10,674.00	37,048.00	8.26

* FOR CONTRACTOR'S INFORMATION ONLY, COST TO BE INCLUDED IN THE PRICE BID FOR OTHER WORK.

Preliminary Plans

3/28/2025 9:12:55 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\SUMQ_29843_ROAD_003.dgn

DESIGN	NMB	12/24
DRAWN	JLH	12/24
CHECKED	SCB	1/25
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUMMARY SHEET (ROADWAY)
SHEET (3 OF 4)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. AR05

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025

SUMMARY OF BARRIER QUANTITIES

CONSTRUCTION ITEMS			42" F-SHAPED PARAPET			CONCRETE LONGITUDINAL BARRIER, DESIGN 1		WATER REPELLANT				DRAINAGE OPENINGS	
STATION AND LOCATION	STANDARD	LENGTH	42" F-SHAPED PARAPET 504(E)	CLASS A CONCRETE 509(B)	EPOXY COATED REINFORCING STEEL 511(B)	CONCRETE LONGITUDINAL BARRIER, DESIGN 1 627(A)	CONCRETE LONGITUDINAL BARRIER END SECTION 627(B)	WATER REPELLANT (VISUALLY INSPECTED) 515(A)	CONCRETE RAIL (TR-4) 504(D)	RETAINING WALL 510(A)	IMPACT ATTENUATOR 871(A)	STATION TO STATION	REMARKS
MAINLINE		LF	L.F.	CY	LB	LF	EA	SY	LF	SY	EA.		
C.R.L. NB 102+00.00 TO C.R.L. NB 137+88.17 MED	CLB-2-2	3,589.00	-	-	-	3,589.00	2.00	-	-		1.00	C.R.L. NB 110+00.00 TO C.R.L. NB 134+00.00 MED	
C.R.L. NB 140+54.83 TO C.R.L. NB 162+00.00 MED	CLB-2-2	2,146.00	-	-	-	2,146.00	2.00	-	-		1.00	C.R.L. NB 143+50.00 TO C.R.L. NB 160+50.00 MED	
C.R.L. NB 135+18.17 TO C.R.L. NB 137+88.17 RT	FSHP-42-2	270.00	270.00	134.20	17,330.00	-	-	154.00	-		1.00		NOTE 1
C.R.L. SB 136+98.17 TO C.R.L. SB 137+88.17 RT	FSHP-42-2	90.00	90.00	44.80	5,800.00	-	-	51.00	-		-		NOTE 1
C.R.L. NB 140+54.83 TO C.R.L. NB 141+49.83 RT	FSHP-42-2	95.00	95.00	48.90	6,100.00	-	-	54.00	-		-		NOTE 1
C.R.L. SB 140+54.83 TO C.R.L. SB 143+24.83 RT	FSHP-42-2	270.00	270.00	139.00	17,330.00	-	-	154.00	-		1.00		NOTE 1
WATERLOO RD													
C.R.L. 65+50.00 TO C.R.L. 67+75.00 LT/RT	TR4-2	450.00	-	137.50	24,930.00	-	-	193.00	450.00		-		NOTE 1
C.R.L. 60+72.73 TO C.R.L. 61+92.88 RT		128.75	-	-	-	-	-	-	-	78.00	-		
C.R.L. 76+89.00 TO C.R.L. 77+62.00 LT		73.00	-	-	-	-	-	-	-	23.00	-		
													NOTE 2
	TOTALS:		**725.00**	**504.40**	**71,490.00**	**5,735.00**	**4.00**	**606.00**	**450.00**	**101.00**	**4.00**		

NOTE 1: FOR ADDITIONAL NOTES AND DETAILS, REFER TO MOMENT SLAB AND BARRIER TRANSITION SUMMARY ON SHEET B-144-145.
NOTE 2: BARRIER WALL QUANTITIES NOT YET CALCULATED.

SUMMARY OF DRIVEWAYS

LOCATION				TYPE	WIDTH	LENGTH	RADII		TRAFFIC BOUND SURFACE COURSE TYPE E 402(E)	TACK COAT 407(B)	SUPERPAVE, TYPE S3(PG 64-22 OK) 411(B)	SUPERPAVE, TYPE S4(PG 64-22 OK) 411(C)	COMBINED CURB & GUTTER (6" BARRIER) 609(B)	CONC. CURB (6" BARRIER-INTEGRAL) 609(A)	8" CONCRETE DRIVEWAY 610(B)	REMARKS
ALIGNMENT	STATION	LT	RT		FT	FT	LT	RT	TON	GAL	TON	TON	LF	LF	SY	
WATERLOO RD	42+47.00	-	RT	ASPH.	12.00	54.00	15	15	-	11.00	21.00	8.00	-	-	14.00	
WATERLOO RD	42+47.00	-	RT	T.B.S.C.	12.00	68.00	15	15	20.00	-	-	-	-	-	-	NOTE 1
WATERLOO RD	42+70.00	LT	-	CONC.	26.00	58.00	30	30	-	-	-	-	-	58.00	215.00	
WATERLOO RD	42+70.00	LT	-	T.B.S.C.	26.00	86.00	30	30	47.00	-	-	-	-	-	-	NOTE 1
WATERLOO RD	44+24.00	-	RT	ASPH.	22.00	62.00	15	15	-	22.00	41.00	16.00	-	-	19.00	
WATERLOO RD	44+24.00	-	RT	T.B.S.C.	22.00	76.00	15	15	35.00	-	-	-	-	-	-	NOTE 1
WATERLOO RD	49+15.00	-	RT	T.B.S.C.	12.00	69.00	15	15	14.00	-	-	-	-	-	14.00	
WATERLOO RD	49+15.00	-	RT	T.B.S.C.	12.00	94.00	15	15	26.00	-	-	-	-	-	-	NOTE 1
WATERLOO RD	50+11.00	LT	-	CONC.	24.00	34.00	15	15	-	-	-	-	-	34.00	100.00	
WATERLOO RD	50+11.00	LT	-	T.B.S.C.	24.00	56.00	15	15	26.00	-	-	-	-	-	-	NOTE 1
WATERLOO RD	51+88.00	LT	-	CONC.	25.00	31.00	15	15	-	-	-	-	-	14.00	94.00	
WATERLOO RD	51+88.00	LT	-	T.B.S.C.	25.00	56.00	15	15	25.00	-	-	-	-	-	-	NOTE 1
WATERLOO RD	52+26.00	-	RT	T.B.S.C.	15.00	80.00	15	15	16.00	-	-	-	-	-	14.00	
WATERLOO RD	52+26.00	-	RT	T.B.S.C.	15.00	112.00	15	15	25.00	-	-	-	-	-	-	NOTE 1
WATERLOO RD	54+00.00	-	RT	ASPH.	36.00	67.00	15	15	-	43.00	81.00	32.00	-	-	26.00	
WATERLOO RD	54+00.00	-	RT	T.B.S.C.	36.00	100.00	15	15	70.00	-	-	-	-	-	-	NOTE 1
WATERLOO RD	56+52.37	LT	-	CONC.	40.00	57.00	30	30	-	-	-	-	-	-	264.00	
WATERLOO RD	56+52.37	LT	-	T.B.S.C.	40.00	92.00	30	30	71.00	-	-	-	-	-	-	NOTE 1
WATERLOO RD	71+53.00	-	RT	T.B.S.C.	88.00	8.00	15	15	14.00	-	-	-	-	-	-	NOTE 1
WATERLOO RD	72+65.00	LT	-	CONC.	45.00	25.00	15	15	-	-	-	-	-	-	131.00	
WATERLOO RD	72+65.00	LT	-	T.B.S.C.	45.00	66.00	15	15	54.00	-	-	-			-	NOTE 1
WATERLOO RD	75+62.00	LT	-	CONC.	46.00	21.00	15	15	-	-	-	-	-	-	112.00	
WATERLOO RD	75+62.00	LT	-	T.B.S.C.	46.00	52.00	15	15	45.00	-	-	-		-	-	NOTE 1
WATERLOO RD	77+24.00	-	RT	T.B.S.C.	36.00	6.00	15	15	5.00	-	-	-	-	-	-	NOTE 1
WATERLOO RD	78+47.00	LT	-	ASPH.	30.00	87.00	25	25	-	44.00	82.00	33.00	84.57	-	30.00	
WATERLOO RD	78+47.00	LT	-	T.B.S.C.	30.00	113.00	15	15	66.00	-	-	-	-	-	-	NOTE 1
BOUCHER RD	13+65.00	LT	-	ASPH.	35.00	30.00	15	15	-	18.00	34.00	14.00	-	-	21.00	
BOUCHER RD	13+65.00	LT	-	T.B.S.C.	35.00	54.00	15	15	39.00	-	-	-	-	-	-	NOTE 1
FRONTAGE RD	11+20.00	-	RT	T.B.S.C.	12.00	58.00	15	15	12.00	-	-	-	-	-	13.00	
INDUSTRIAL BLVD	11+50.00	LT	-	ASPH.	26.00	100.00	25	25	-	45.00	84.00	33.00	-	-	-	
INDUSTRIAL BLVD	18+50.00	LT	-	T.B.S.C.	12.00	70.00	15	15	17.00	-	-	-	-	-	-	
INDUSTRIAL BLVD	18+50.00	-	RT	T.B.S.C.	12.00	98.00	15	15	23.00	-	-	-	-	-	-	
								TOTALS:	**650.00**	**183.00**	**343.00**	**136.00**	**85.00**	**104.00**	**1,067.00**	

NOTE 1: TO BE CONSTRUCTED AS TEMPORARY T.B.S.C. DRIVE

EDGE DRAIN SUMMARY

SHEET NO.	DIRECTION	ALIGNMENT	STATION			EDGE DRAIN CONDUIT-PERFORATED 613(J)	EDGE DRAIN OUTLET LATERAL-NONPERFORATED 613(K)	OUTLET LATERAL HEADWALL 613(Q)
						LF	LF	EA
	LT	I-35	102+00.00	TO	107+00.00	500.00	100.00	2.00
	LT	I-35	107+00.00	TO	122+00.00	1,500.00	250.00	5.00
	LT	I-35	122+00.00	TO	137+00.00	1,500.00	250.00	5.00
	LT	I-35	137+00.00	TO	137+88.17	89.00	50.00	1.00
	LT	I-35	140+54.83	TO	152+00.00	1,146.00	200.00	4.00
	LT	I-35	152+00.00	TO	162+00.00	1,000.00	200.00	4.00
	RT	Waterloo RD	40+00.00	TO	45+00.00	496.00	100.00	2.00
	LT/RT	Waterloo RD	45+00.00	TO	60+00.00	2,076.00	400.00	8.00
	LT/RT	Waterloo RD	60+00.00	TO	75+00.00	3,621.00	650.00	13.00
	LT/RT	Waterloo RD	75+00.00	TO	84+05.00	958.00	200.00	4.00
	LT/RT	Boucher RD	11+61.65	TO	15+12.82	399.00	100.00	2.00
	LT/RT	Frontage RD	10+89.00	TO	16+45.00	703.00	150.00	3.00
	RT	Industrial RD	10+00.00	TO	19+58.00	11.00	50.00	1.00
					TOTALS:	**13,999.00**	**2,700.00**	**54.00**

Preliminary Plans

DESIGN	NMB	12/24
DRAWN	JLH	12/24
CHECKED	SCB	1/25
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUMMARY SHEET (ROADWAY)
SHEET (4 OF 4)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. AR06

3/28/2025 9:12:58 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\SUMQ_29843_ROAD_004.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025

SUMMARY OF DRAINAGE STRUCTURES

STRUCTURE NO.	ALIGNMENT	STATION	DESCRIPTION	DESIGN STANDARD	STRUCTURAL: UNCLASSIFIED EXCAVATION 202(A) CY	STRUCTURAL: STRUCTURAL EXCAVATION UNCLASSIFIED 501(A) CY	STRUCTURAL: STRUCTURAL STEEL 506(A) LB	STRUCTURAL: CLASS AA CONCRETE 509(A) CY	STRUCTURAL: CLASS A CONCRETE 509(B) CY	STRUCTURAL: REINFORCING STEEL 511(A) LB	STRUCTURAL: EPOXY COATED REINFORCING STEEL 511(B) LB	EROSION CONTROL: TYPE 1-A PLAIN RIPRAP 601(B) TON	EROSION CONTROL: TYPE 1-A FILTER BLANKET 601(C) TON	EROSION CONTROL: FILTER FABRIC (RIPRAP) 601(I)	INLET CDI RCB DES. 1 [illegible](G) EA	PIPES: 18" R.C. PIPE CLASS III [illegible] LF	PIPES: [illegible] R.C. PIPE CLASS III [illegible] LF	PIPES: 60" R.C. PIPE CLASS III 613(A) LF	PIPES: 18" CORR.GALV. STEEL PIPE 613(B) LF	PIPES: 36" CORR.GALV. STEEL PIPE 613(B) LF	ENDS: 60" CORR.GALV. STEEL PIPE 613(B) LF	ENDS: 18" PREFAB. CULVERT END SECTION, ROUND 613(L) EA	ENDS: 36" PREFAB. CULVERT END SECTION, ROUND 613(L) EA	SUBSIDIARY: * STANDARD BEDDING MATERIAL, CLASS B CY	SUBSIDIARY: * TRENCH EXCAVATION CY	STRUCTURE NO.	REMARKS
1	I-35	105+53.47	CROSS DRAIN CONST. 1 - 4' x 3' x 15.5 L.F. RCB w/ 1 END SECTION & CURTAIN WALL	RCB-C1-3&4&5(2-20), RCB-E1-H3-0-1, RCB-CW1-D4-0	64	5		18.3		2665															1	
2	RAMP C	140+82.62	CROSS DRAIN CONST. 1 - 8' x 6' x 31.0 L.F. RCB w/ 2 END SECTION & CURTAIN WALL	RCB-C1-8(2-14), RCB-E1-H6-0-1, RCB-CW1-D6-0	184	43		105.9		16520		12		113											2	
6	I-35	136+90.00	SPEC. INLET CONST. 1 - 8' x 8' x 54.8 L.F. 8X6 RCB	GPI-5, PBB-1			940.00	60.8		92															27	48	6	SEE SHEET **R141**
109	WATERLOO	42+69.75	SIDE DRAIN CONST. 1 18" 63.0 L.F. RCP W/ 1 P.C.E.S. AND C.D.I.	PBB-1, PCES-5, CCI-1, CCI-2, CDIP-2											1	63						1			26	57	109	
110		58+86.30	CONST. 2 60" 223.0 L.F. RCP W/ 2 C.E.T.	PBB-1, CCI-1, CCI-2			1180.00	370.0	2.70									446						250	0	110	
110A	WATERLOO	57+01.55	SIDE DRAIN CONST. 1 - SPECIAL JUNCTION BOX					4			1700																SEE SHEET **R146-R147**
110B		57+08.25	CONST. 1 - SPECIAL JUNCTION BOX					17.			1600																SEE SHEET **R146-R147**
OPEN TO 164	Waterloo CRL	59+09.00	OPEN PIPE CONST. 1 36" 32.0 L.F. RCP W/ 1 P.C.E.S.	PCES-5, CCI-1, CCI-2, PBB-1													32					1	0	0	OPEN TO	
OPEN TO 217	Waterloo CRL	51+40.00	OPEN PIPE CONST. 1 36" 36.0 L.F. RCP W/ 1 P.C.E.S.	PCES-5, CCI-1, CCI-2, PBB-1													36					1	0	0	OPEN TO	
400	INDUSTRIAL BLVD	11+50.00	SIDE DRAIN CONST. 1 - 18" 46.0 L.F. RCP W/ 2 P.C.E.S.	PBB-1, PCES-5, CCI-1, C[illegible]2												46						2		21	32	400	
401	INDUSTRIAL BLVD	14+00.00	CROSS DRAIN CONST. 1 - 10' x 4' 155.0 L.F. RCB w/ 2 END SECTION & CURTAIN WALL	RCB-C1-10([illegible]4), RCB-E1-H4-[illegible] RCB-CW1-D4-[illegible]	845	86		270.5	0.90	43100		55		55											401	
402	INDUSTRIAL BLVD	18+50.00	SIDE DRAIN CONST. 1 - 18" 24.0 L.F. RCP W/ 2 P.C.E.S.	PBB-1, PCES-5, CCI-1								1		2		24						2		8	10	402	
403	INDUSTRIAL BLVD	18+50.00	SIDE DRAIN CONST. 1 - 18" 36.0 L.F. RCP W/ 2 P.C.E.S.	PBB-1, PCES-5, CCI-1								1		2		36						2		12	39	403	
500	FRONTAGE RD	11+19.86	SIDE DRAIN CONST. 1 - 18" 30.5 L.F. RCP W/ 2 P.C.E.S.	PBB-1, PCES-5, CCI-1								2		4		30.5						2		9	1	500	
T100	I-35	146+84.00	CROSS DRAIN CONST. 1 - 18" 268.[illegible] C[illegible]P	PBB-1, MCI-3															268					174	220	T100	
T101	I-35	162+61.13	CROSS DRAIN CONST. 1 - 36" [illegible].0 L.F. CGSP	PBB-1, MCI-3																12				4	13	T101	
T102	I-35	121+13.86	CROSS DRAIN CONST. 1 - 18" [illegible].0 L.F. C[illegible]P	PBB-1, MCI-3								1		2					32					6	26	T102	
T103	I-35	97+14.00	CROSS DRAIN CONST. 1 - 60" 3[illegible] L.F. CGSP	PBB-1, MCI-3								4		6							32			18	48	T103	
T201	SF Ramp A-1	53+13.76	CROSS DRAIN CONST. 1 - 36" 50.[illegible] L.F. CGSP	PBB-1, MCI-3								14		14						50				27	56	T201	
T404	SFLY RAMP C-1	51+77.00	CROSS DRAIN CONST. 1 - 60" 48.0 L.F. CGSP	PBB-1, MCI-3								15		23							48			34	72	T404	
T405	SFLY RAMP C-1	51+33.17	CROSS DRAIN CONST. 2 - 18" 60.0 L.F. CGSP	PBB-1, MCI-3								1		2					120					29	78	T405	
T406	SFLY RAMP B-1	53+05.00	CROSS DRAIN CONST. 2 - 18" 58.0 L.F. CGSP	PBB-1, MCI-3															116					43	76	T406	
T501	SFLY RAMP A-3	72+06.00	CROSS DRAIN CONST. 2 - 18" 56.0 L.F. CGSP	PBB-1, MCI-3															112					31	73	T501	
T502	SFLY RAMP B-2	63+19.50	CROSS DRAIN CONST. 2 - 18" 52.0 L.F. CGSP	PBB-1, MCI-3															104					30	68	T502	
				TOTALS:	**1,093**	**134**	**2,120**	**863**	**3.6**	**71,512**	**3,300**	**244**	**7**	**246**	**1**	**200**	**68**	**446**	**752**	**62**	**80**	**9**	**2**	749	917		

* FOR CONTRACTOR'S INFORMATION ONLY. COST INCLUDED IN PRICE BID FOR PIPE.

Preliminary Plans

DESIGN	NMB	12/24
DRAWN	NMB	1/25
CHECKED	XXX	8/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUMMARY SHEET (DRAINAGE)
(SHEET 1 OF 7)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. AR07

3/28/2025 9:13:02 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\SUMO_29843_DRAINAGE_001.dgn

STRUCTURE NO.	ALIGNMENT	STATION	DESCRIPTION	DESIGN STANDARD	MANHOLES						INLETS																	
					MANHOLE (5' DIAMETER)	MANHOLE (6' DIAMETER)	MANHOLE (8' DIAMETER)	ADD'L. DEPTH IN MANHOLE (5' DIAMETER)	ADD'L. DEPTH IN MANHOLE (6' DIAMETER)	ADD'L. DEPTH IN MANHOLE (8' DIAMETER)	INLET CI DES. 2 (STD)	INLET CI DES. 2 (B)	INLET CI DES. 2 (D)	INLET W/SMALL JCT. BOX, CI, DES.2	INLET W/SMALL JCT. BOX, CI, DES.2(B)	INLET W/SMALL JCT. BOX, CI, DES.2(D)	INLET W/LRG. JCT. BOX, DES.2(D)	INLET W/LRG. JCT. BOX, CI, DES.3	INLET GPI TYPE 1 (DES. 1)	INLET GPI TYPE 2 (DES. 8)	INLET GPI TYPE 2 (DES. 12)	INLET LONG. BARRIER TYPE II, DES. 2	INLET (SMD-TYPE 2)	INLET (SMD-TYPE 2A)	ADD'L DEPTH IN INLET CI DES. 2	ADD'L DEPTH IN INLET W/SJB, CI, DES. 2	ADD'L DEPTH IN INLET W/LJB, CI, DES. 2	ADD'L DEPTH IN INLET W/LJB, CI, DES. 3
					611(A)	611(A)	611(A)	611(B)	611(B)	611(B)	611(G)	611(G)	611(G)	611(G)	611(G)	611(G)	611(G)	611(G)	611(G)	611(G)	611(G)	611(G)	611(G)	611(G)	611(G)	611(H)	611(H)	611(H)	611(H)
					EA	EA	EA	VF	VF	VF	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	VF	VF	VF	VF
MH004	I-35	124+60.00	14'X4' JCT. BOX W/ 41.0 L.F. 5X4 RCB	PBB-1, MFC-5																								
004	I-35	124+85.89	GPI TYPE 2 (DES. 12) W/ 13.1 L.F. 18 " RCP	GPI-5, PBB-1																1								
007	I-35	137+50.00	GPI TYPE 2 (DES. 12) W/ 14.1 L.F. 18 " RCP	GPI-5, PBB-1																1								
008	Turnout E-S (Ramp A)	02+99.79	GPI TYPE 2 (DES. 12) W/ 163.2 L.F. 36 " RCP	GPI-5, PBB-1																1								
008B	Turnout W-N (Ramp D)	03+55.27	GPI TYPE 2 (DES. 8) W/ 141.0 L.F. 30 " RCP	GPI-5, PBB-1															1									
111	Waterloo CRL	79+75.00	CICI-DES 2 W/ SM JCB W/ 42.3 L.F. 18 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5										1													1.54		
112	Waterloo CRL	79+75.00	CICI-DES 2 W/ 63.2 L.F. 18 " RCP	CI-2, PBB-1, SSIF-5, CIG-4																						1.11		
113	Waterloo CRL	78+05.00	CICI-DES 2(B) W/ SM JCB W/ 166.4 L.F. 18 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5											1											3.30		
114	Waterloo CRL	78+05.00	CICI-DES 2 W/ 63.2 L.F. 18 " RCP	CI-2, PBB-1, SSIF-5, CIG-4							1															2.59		
121	Turnout W-N (Ramp D)	02+95.00	CICI-DES 2 W/ SM JCB W/ 125.8 L.F. 24 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5										1													1.50		
122	Turnout W-N (Ramp D)	02+45.00	CICI-DES 2(D) W/ SM JCB W/ 45.8 L.F. 24 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5												1											1.05		
123	Waterloo CRL	72+20.00	SMD-TYPE 2 W/ 205.7 L.F. 24 " RCP	PSMD-2, PBB-1																			1						
124	Waterloo CRL	72+20.00	CICI-DES 2(B) W/ 16.2 L.F. 18 " RCP	CI-2, PBB-1, SSIF-5, CIG-4								1														1.92		
125	Waterloo CRL	72+20.00	CICI-DES 2(D) W/ 85.9 L.F. 18 " RCP	CI-2, PBB-1, SSIF-5, CIG-4									1													1.00		
126	Waterloo CRL	72+95.77	SMD-TYPE 2 W/ 71.1 L.F. 24 " RCP	PSMD-2, PBB-1																			1						
MH129	Turnout E-N (Ramp D)	142+98.00	6 ' DIA MANHOLE W/ 157.6 L.F. 36 " RCP	PRM-1, PBB-1, MFC-5		1			6.79																				
MH130	Turnout N-W (Ramp B)	02+29.11	8 ' DIA MANHOLE W/ 139.1 L.F. 48 " RCP	PRM-1, PBB-1, MFC-5			1			8.37																			
131	Turnout N-E (Ramp B)	01+96.00	CICI-DES 2 W/ SM JCB W/ 27.8 L.F. 18 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5										1													3.27		
132	Waterloo CRL	70+10.00	CICI-DES 2 W/ 62.5 L.F. 18 " RCP	CI-2, PBB-1, SSIF-5, CIG-4							1															3.46		
133	Waterloo CRL	70+10.00	CICI-DES 2 W/ 46.4 L.F. 18 " RCP	CI-2, PBB-1, SSIF-5, CIG-4							1															2.43		
MH134	Turnout N-E (Ramp B)	02+04.01	6 ' DIA MANHOLE W/ 119.2 L.F. 24 " RCP	PRM-1, PBB-1, MFC-5		1			2.16																				
135	Turnout N-E (Ramp B)	02+50.00	CICI-DES 2 W/ SM JCB W/ 47.0 L.F. 18 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5										1													9.73		
F141L	Waterloo CRL	67+05.00	CICI-DES 2(D) W/ 6.1 L.F. 18 " RCP	CI-2, PBB-1, SSIF-5, CIG-4									1													2.95		
141	Waterloo CRL	67+37.00	CICI-DES 2 W/ SM JCB W/ 22.9 L.F. 24 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5										1													5.03		
F141R	Waterloo CRL	67+65.00	CICI-DES 2(D) W/ SM JCB W/ 93.8 L.F. 24 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5												1											5.69		
F142L	Waterloo CRL	67+05.00	CICI-DES 2(D) W/ 72.8 L.F. 18 " RCP	CI-2, PBB-1, SSIF-5, CIG-4									1													2.06		
142	Waterloo CRL	67+37.00	CICI-DES 2 W/ SM JCB W/ 72.7 L.F. 24 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5										1													3.54		
F142R	Waterloo CRL	67+65.00	CICI-DES 2(D) W/ SM JCB W/ 22.9 L.F. 18 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5												1											2.60		
143	Waterloo CRL	65+60.00	CICI-DES 2(B) W/ 6.1 L.F. 18 " RCP	CI-2, PBB-1, SSIF-5, CIG-4								1														5.52		
144	Waterloo CRL	65+60.00	CICI-DES 2(B) W/ 72.1 L.F. 18 " RCP	CI-2, PBB-1, SSIF-5, CIG-4								1														4.87		
MH145	Waterloo CRL	65+60.00	6 ' DIA MANHOLE W/ 139.5 L.F. 18 " RCP	PRM-1, PBB-1, MFC-5		1			2.52																				
MH146	Waterloo CRL	67+05.00	6 ' DIA MANHOLE W/ 26.0 L.F. 18 " RCP	PRM-1, PBB-1, MFC-5		1			0.24																				
MH147	Waterloo CRL	67+37.00	6 ' DIA MANHOLE W/ 6.0 L.F. 24 " RCP	PRM-1, PBB-1, MFC-5		1			2.24																				
MH149	Turnout W-S (Ramp A)	01+79.44	12'X12' JCT. BOX W/ 316.6 L.F. 8X6 RCB	PBB-1, MFC-5																									
152	Turnout E-S (Ramp A)	02+56.00	CICI-DES 2 W/ SM JCB W/ 41.7 L.F. 24 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5										1													2.24		
153	Turnout E-S (Ramp A)	02+30.00	CICI-DES 2(B) W/ SM JCB W/ 22.5 L.F. 18 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5											1												2.08		
154	Waterloo CRL	63+20.00	CICI-DES 2 W/ 81.4 L.F. 18 " RCP	CI-2, PBB-1, SSIF-5, CIG-4							1															2.04		
155	Waterloo CRL	63+20.00	CICI-DES 2 W/ 42.4 L.F. 18 " RCP	CI-2, PBB-1, SSIF-5, CIG-4							1															1.40		
156	Waterloo CRL	62+00.00	CICI-DES 2(D) W/ SM JCB W/ 123.0 L.F. 18 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5												1											1.75		
157	Waterloo CRL	62+00.00	CICI-DES 2(B) W/ 114.9 L.F. 18 " RCP	CI-2, PBB-1, SSIF-5, CIG-4								1														1.40		
162	Waterloo CRL	59+24.59	CICI-DES 3 W/ LRG JCB W/ 66.0 L.F. 48 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5														1										7.69
164	Waterloo CRL	58+50.00	CICI-DES 3 W/ LRG JCB W/ 88.0 L.F. 48 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5														1										5.22

CONTINUED ON SHEET AR10

CONTINUED ON SHEET AR09

Preliminary Plans

DESIGN	NMB	12/24
DRAWN	NMB	1/25
CHECKED	XXX	1/25
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUMMARY SHEET (DRAINAGE)
SHEET (2 OF 7)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. AR08

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SUMMARY OF STORM SEWER

STRUCTURE NO.	ALIGNMENT	STATION	DESCRIPTION	DESIGN STANDARD	INLETS: ADD'L DEPTH IN INLET (GPI TYPE 1 DES. 1) 611(H) VF	INLETS: ADD'L DEPTH IN INLET (GPI TYPE 2 DES. 12) 611(H) VF	INLETS: ADD'L DEPTH IN INLET (SMD-TYPE 2)* 611(H) VF	INLETS: ADD'L DEPTH IN INLET (SMD-TYPE 2A)* 611(H) VF	J.BOX: JUNCTION BOXES 611(L) CF	PIPES: 18" R.C. PIPE CLASS III 613(A) LF	PIPES: 24" R.C. PIPE CLASS III 613(A) LF	PIPES: 30" R.C. PIPE CLASS III 613(A) LF	PIPES: 36" R.C. PIPE CLASS III 613(A) LF	PIPES: 48" R.C. PIPE CLASS III 613(A) LF	PIPES: CLASS AA CONCRETE 613(A) C	PIPES: REINFORCING STEEL 511(LB	PIPES: EPOXY COATED REINFORCING STEEL 51(LB	ENDS: PREFAB. CULVERT END SECTION, ROUND 613(L) EA	ENDS: 24" PREFAB. CULVERT END SECTION, ROUND 613(L) EA	ENDS: 30" PREFAB. CULVERT END SECTION, ROUND 613(L) EA	ENDS: 36" PREFAB. CULVERT END SECTION, ROUND 613(L) EA	ENDS: 48" PREFAB. CULVERT END SECTION, ROUND 613(L) EA	SUBSIDIARY: * STANDARD BEDDING MATERIAL, CLASS B CY	SUBSIDIARY: * TRENCH EXCAVATION CY	STRUCTURE NO.	REMARKS
MH004	I-35	124+60.00	14'X4' JCT. BOX W/ 41.0 L.F. 5X4 RCB	PBB-1, MFC-5					336.00						39.84	3712.31	2430							18	22	MH004	
004	I-35	124+85.89	GPI TYPE 2 (DES. 12) W/ 13.1 L.F. 18 " RCP	GPI-5, PBB-1		0.00				13.0522														7	10	004	
007	I-35	137+50.00	GPI TYPE 2 (DES. 12) W/ 14.1 L.F. 18 " RCP	GPI-5, PBB-1		3.99				14.07														11	17	007	
008	Turnout E-S (Ramp A)	02+99.79	GPI TYPE 2 (DES. 12) W/ 163.2 L.F. 36 " RCP	GPI-5, PBB-1		1.05							1 2											142	242	008	
008B	Turnout W-N (Ramp D)	03+55.27	GPI TYPE 2 (DES. 8) W/ 141.0 L.F. 30 " RCP	GPI-5, PBB-1								11 2									1			141	264	008B	
111	Waterloo CRL	79+75.00	CICI-DES 2 W/ SM JCB W/ 42.3 L.F. 18 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5						42.3489								1						43	89	111	
112	Waterloo CRL	79+75.00	CICI-DES 2 W/ 63.2 L.F. 18 " RCP	CI-2, PBB-1, SSIF-5, CIG-4						63.16														63	147	112	
113	Waterloo CRL	78+05.00	CICI-DES 2(B) W/ SM JCB W/ 166.4 L.F. 18 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5						166.368														166	425	113	
114	Waterloo CRL	78+05.00	CICI-DES 2 W/ 63.2 L.F. 18 " RCP	CI-2, PBB-1, SSIF-5, CIG-4						63.16														63	176	114	
121	Turnout W-N (Ramp D)	02+95.00	CICI-DES 2 W/ SM JCB W/ 125.8 L.F. 24 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5							125.829										1			126	379	121	
122	Turnout W-N (Ramp D)	02+45.00	CICI-DES 2(D) W/ SM JCB W/ 45.8 L.F. 24 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5							45.753													46	149	122	
123	Waterloo CRL	72+20.00	SMD-TYPE 2 W/ 205.7 L.F. 24 " RCP	PSMD-2, PBB-1			1.22				205.743													205	714	123	
124	Waterloo CRL	72+20.00	CICI-DES 2(B) W/ 16.2 L.F. 18 " RCP	CI-2, PBB-1, SSIF-5, CIG-4						6.15														17	60	124	
125	Waterloo CRL	72+20.00	CICI-DES 2(D) W/ 85.9 L.F. 18 " RCP	CI-2, PBB-1, SSIF-5, CIG-4						8 3751														86	337	125	
126	Waterloo CRL	72+95.77	SMD-TYPE 2 W/ 71.1 L.F. 24 " RCP	PSMD-2, PBB-1				1			71.13													71	296	126	
MH129	Turnout E-N (Ramp D)	142+98.00	6 ' DIA MANHOLE W/ 157.6 L.F. 36 " RCP	PRM-1, PBB-1, MFC-5									157.58								1			157	691	MH129	
MH130	Turnout N-W (Ramp B)	02+29.11	8 ' DIA MANHOLE W/ 139.1 L.F. 48 " RCP	PRM-1, PBB-1, MFC-5										139.13										139	642	MH130	
131	Turnout N-E (Ramp B)	01+96.00	CICI-DES 2 W/ SM JCB W/ 27.8 L.F. 18 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5						27.77														28	135	131	
132	Waterloo CRL	70+10.00	CICI-DES 2 W/ 62.5 L.F. 18 " RCP	CI-2, PBB-1, SSIF-5, CIG-4						62.45														63	317	132	
133	Waterloo CRL	70+10.00	CICI-DES 2 W/ 46.4 L.F. 18 " RCP	CI-2, PBB-1, SSIF-5, CIG-4						46.4282														47	246	133	
MH134	Turnout N-E (Ramp B)	02+04.01	6 ' DIA MANHOLE W/ 119.2 L.F. 24 " RCP	PRM-1, PBB-1, MFC-5							119.22													119	659	MH134	
135	Turnout N-E (Ramp B)	02+50.00	CICI-DES 2 W/ SM JCB W/ 47.0 L.F. 18 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5						46.99														47	271	135	
F141L	Waterloo CRL	67+05.00	CICI-DES 2(D) W/ 6.1 L.F. 18 " RCP	CI-2, PBB-1, SSIF-5, CIG-4						6.08														7	37	F141L	
141	Waterloo CRL	67+37.00	CICI-DES 2 W/ SM JCB W/ 22.9 L.F. 24 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5							22.92													23	143	141	
F141R	Waterloo CRL	67+65.00	CICI-DES 2(D) W/ SM JCB W/ 93.8 L.F. 24 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5							93.79													94	604	F141R	
F142L	Waterloo CRL	67+05.00	CICI-DES 2(D) W/ 72.8 L.F. 18 " RCP	CI-2, PBB-1, SSIF-5, CIG-4						72.75														73	485	F142L	
142	Waterloo CRL	67+37.00	CICI-DES 2 W/ SM JCB W/ 72.7 L.F. 24 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5							72.71													73	502	142	
F142R	Waterloo CRL	67+65.00	CICI-DES 2(D) W/ SM JCB W/ 22.9 L.F. 18 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5						22.92														23	164	F142R	
143	Waterloo CRL	65+60.00	CICI-DES 2(B) W/ 6.1 L.F. 18 " RCP	CI-2, PBB-1, SSIF-5, CIG-4						6.08														7	45	143	
144	Waterloo CRL	65+60.00	CICI-DES 2(B) W/ 72 L.F. 18 " RCP	CI-2, PBB-1, SSIF-5, CIG-4						72.75														73	552	144	
MH145	Waterloo CRL	65+60.00	6 ' DIA MANHOLE W 139.0 F. 18 RCP	PRM-1, PBB-1, MFC-5						139														139	1086	MH145	
MH146	Waterloo CRL	67+05.00	6 ' DIA MANHOLE W 26.0 F. 18 " RCP	PRM-1, PBB-1, MFC-5						26														26	209	MH146	
MH147	Waterloo CRL	67+37.00	6 ' DIA MANHOLE W 6.0 L 24 " RCP	PRM-1, PBB-1, MFC-5							6.04													7	50	MH147	
MH149	Turnout W-S (Ramp A)	01+79.44	12'X12' JCT. BOX W/ 316.6 L.F. 8X6 RCB	PBB-1, MFC-5					358.00						365.143	50236.5	3490							316	2689	MH149	
152	Turnout E-S (Ramp A)	02+56.00	CICI-DES 2 W/ SM JCB W/ 41.7 L.F. 24 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5							41.73													42	364	152	
153	Turnout E-S (Ramp A)	02+30.00	CICI-DES 2(B) W/ SM JCB W/ 22.5 L.F. 18 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5						22.49														23	202	153	
154	Waterloo CRL	63+20.00	CICI-DES 2 W/ 81.4 L.F. 18 " RCP	CI-2, PBB-1, SSIF-5, CIG-4						81.4														82	748	154	
155	Waterloo CRL	63+20.00	CICI-DES 2 W/ 42.4 L.F. 18 " RCP	CI-2, PBB-1, SSIF-5, CIG-4						42.43														43	400	155	
156	Waterloo CRL	62+00.00	CICI-DES 2(D) W/ SM JCB W/ 123.0 L.F. 18 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5						123														123	1186	156	
157	Waterloo CRL	62+00.00	CICI-DES 2(B) W/ 114.9 L.F. 18 " RCP	CI-2, PBB-1, SSIF-5, CIG-4						114.94														115	1134	157	
162	Waterloo CRL	59+24.59	CICI-DES 3 W/ LRG JCB W/ 66.0 L.F. 48 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5										66										66	667	162	
164	Waterloo CRL	58+50.00	CICI-DES 3 W/ LRG JCB W/ 88.0 L.F. 48 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5										88								1		88	909	164	

CONTINUED ON SHEET AR08

CONTINUED ON SHEET AR11

Preliminary Plans

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DESIGN	NMB	12/24
DRAWN	NMB	1/25
CHECKED	SCB	1/25
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUMMARY SHEET (DRAINAGE)
SHEET (3 OF 7)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. AR09

CONTINUED ON SHEET AR08

STRUCTURE NO.	ALIGNMENT	STATION	DESCRIPTION	DESIGN STANDARD	MANHOLES						INLETS																
					MANHOLE (5' DIAMETER)	MANHOLE (6' DIAMETER)	MANHOLE (8' DIAMETER)	ADD'L. DEPTH IN MANHOLE (5' DIAMETER)	ADD'L. DEPTH IN MANHOLE (6' DIAMETER)	ADD'L. DEPTH IN MANHOLE (8' DIAMETER)	INLET CI DES. 2 (STD)	INLET CI DES. 2 (B)	INLET CI DES. 2 (D)	INLET W/SMALL JCT. BOX, CI, DES.2	INLET W/SMALL JCT. BOX, CI, DES.2(B)	INLET W/SMALL JCT. BOX, CI, DES.2(D)	INLET W/LRG. JCT. BOX, DES.2(D)	INLET W/LRG. JCT. BOX, CI, DES.3	INLET GPI TYPE 1 (DES. 1)	INLET GPI TYPE 2 (DES. 8)	INLET GPI TYPE 2 (DES. 12)	INLET LONG. BARRIER TYPE II, DES. 2	INLET (SMD-TYPE 2)	INLET (SMD-TYPE 2A)	ADD'L DEPTH IN INLET CI DES. 2	ADD'L DEPTH IN INLET W/SJB, CI, DES. 2	ADD'L DEPTH IN INLET W/LJB, CI, DES. 2	ADD'L DEPTH IN INLET W/LJB, CI, DES. 3
					611(A)	611(A)	611(A)	611(B)	611(B)	611(B)	611(G)	611(G)	611(G)	611(G)	611(G)	611(G)	611(G)	611(G)	611(G)	611(G)	611(G)	611(G)	611(G)	611(G)	611(H)	611(H)	611(H)	611(H)
					EA	EA	EA	VF	VF	VF	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	VF	VF	VF	VF
181	Frontage Rd. CRL	12+81.26	CICI-DES 2 W/ 91.0 L.F. 30 " RCP	CI-2, PBB-1, SSIF-5, CIG-4							1														4.36			
182	Frontage Rd. CRL	12+81.26	CICI-DES 2 W/ SM JCB W/ 26.2 L.F. 30 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5										1											3.96			
183	Frontage Rd. CRL	12+20.55	SMD-TYPE 2A W/ 11.0 L.F. 30 " RCP	PSMD-2, PBB-1																				1				
MH184	Frontage Rd. CRL	12+20.55	5 ' DIA MANHOLE W/ 57.0 L.F. 30 " RCP	PRM-1, PBB-1, MFC-5	1			2.04																				
187	Frontage Rd. CRL	13+50.00	CICI-DES 2(B) W/ SM JCB W/ 66.2 L.F. 18 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5											1										3.97			
189	Frontage Rd. CRL	12+00.00	CICI-DES 2(B) W/ 29.3 L.F. 18 " RCP	CI-2, PBB-1, SSIF-5, CIG-4								1													3.76			
190	Frontage Rd. CRL	12+00.00	CICI-DES 2(B) W/ SM JCB W/ 29.0 L.F. 18 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5											1										4.01			
191	Frontage Rd. CRL	10+75.00	CICI-DES 2 W/ SM JCB W/ 50.0 L.F. 18 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5										1											0.50			
192	Boucher CRL	13+10.41	SMD-TYPE 2 W/ 117.8 L.F. 18 " RCP	PSMD-2, PBB-1																			1					
201	Boucher CRL	15+20.00	CICI-DES 2(D) W/ SM JCB W/ 60.5 L.F. 18 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5												1									0.16			
211	Waterloo CRL	57+49.88	CICI-DES 2(D) W/ LRG JCB W/ 155.0 L.F. 36 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5													1									3.75		
212	Waterloo CRL	55+20.00	CICI-DES 2 W/ SM JCB W/ 220.2 L.F. 36 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5										1											3.29			
213	Waterloo CRL	55+26.74	GPI TYPE 1 (DES. 1) W/ 16.0 L.F. 24 " RCP	GPI-5, PBB-1															1									
214	Waterloo CRL	54+35.00	GPI TYPE 1 (DES. 1) W/ 74.0 L.F. 18 " RCP	GPI-5, PBB-1															1									
215	Waterloo CRL	52+70.00	CICI-DES 2 W/ SM JCB W/ 166.0 L.F. 36 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5										1											3.35			
216	Waterloo CRL	51+70.00	GPI TYPE 1 (DES. 1) W/ 66.2 L.F. 18 " RCP	GPI-5, PBB-1															1									
217	Waterloo CRL	51+40.00	CICI-DES 2 W/ SM JCB W/ 125.0 L.F. 36 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5										1											3.43			
219	Waterloo CRL	49+70.00	GPI TYPE 1 (DES. 1) W/ 60.5 L.F. 18 " RCP	GPI-5, PBB-1															1									
220	Waterloo CRL	49+70.00	CICI-DES 2(B) W/ SM JCB W/ 165.0 L.F. 24 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5											1										3.16			
221	Waterloo CRL	46+70.77	GPI TYPE 1 (DES. 1) W/ 52.0 L.F. 18 " RCP	GPI-5, PBB-1															1									
222	Waterloo CRL	46+69.50	CICI-DES 2 W/ SM JCB W/ 294.8 L.F. 18 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5										1											3.57			
222B	Waterloo CRL	44+02.75	SMD-TYPE 2 W/ 20.0 L.F. 18 " RCP	PSMD-2, PBB-1																			1					
MH228	Waterloo CRL	60+00.00	8 ' DIA MANHOLE W/ 42.0 L.F. 48 " RCP	PRM-1, PBB-1, MFC-5			1			9.05																		
223	Waterloo CRL	43+70.83	GPI TYPE 1 (DES. 1) W/ 50.1 L.F. 18 " RCP	GPI-5, PBB-1															1									
224	Waterloo CRL	43+69.26	CICI-DES 2 W/ SM JCB W/ 295.0 L.F. 18 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5										1											4.73			
231	Waterloo CRL	54+40.37	CICI-DES 2 W/ SM JCB W/ 75.0 L.F. 36 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5										1											3.27			
233	Waterloo CRL	52+54.14	GPI TYPE 1 (DES. 1) W/ 19.0 L.F. 18 " RCP	GPI-5, PBB-1															1									
MH240	I-35	147+81.67	5 ' DIA MANHOLE W/ 125.2 L.F. 24 " RCP	PRM-1, PBB-1, MFC-5	1			-																				
240A	I-35	147+81.67	LONG. BARR. TYPE II W/ 2.7 L.F. 24 " RCP	CLB-2, PBB-1, SSIF-5, CIG-4																				1				
240B	I-35	147+81.67	LONG. BARR. TYPE II W/ - L.F. - " RCP	CLB-2, PBB-1, SSIF-5, CIG-4																				-				
MH241	I-35	149+50.00	5 ' DIA MANHOLE W/ 163.3 L.F. 24 " RCP	PRM-1, PBB-1, MFC-5	1			-																				
241A	I-35	149+50.00	LONG. BARR. TYPE II W/ 2.7 L.F. 24 " RCP	CLB-2, PBB-1, SSIF-5, CIG-4																				1				
241B	I-35	149+50.00	LONG. BARR. TYPE II W/ - L.F. - " RCP	CLB-2, PBB-1, SSIF-5, CIG-4																				-				
MH242	I-35	152+50.00	5 ' DIA MANHOLE W/ 295.0 L.F. 24 " RCP	PRM-1, PBB-1, MFC-5	1			-																				
242A	I-35	152+50.00	LONG. BARR. TYPE II W/ 2.7 L.F. 24 " RCP	CLB-2, PBB-1, SSIF-5, CIG-4																				1				
242B	I-35	152+50.00	LONG. BARR. TYPE II W/ - L.F. - " RCP	CLB-2, PBB-1, SSIF-5, CIG-4																				-				
MH243	I-35	155+50.00	5 ' DIA MANHOLE W/ 295.0 L.F. 24 " RCP	PRM-1, PBB-1, MFC-5	1			-																				
243A	I-35	155+50.00	LONG. BARR. TYPE II W/ 2.7 L.F. 24 " RCP	CLB-2, PBB-1, SSIF-5, CIG-4																				1				
243B	I-35	155+50.00	LONG. BARR. TYPE II W/ - L.F. - " RCP	CLB-2, PBB-1, SSIF-5, CIG-4																				-				
MH244	I-35	158+50.00	5 ' DIA MANHOLE W/ 295.0 L.F. 24 " RCP	PRM-1, PBB-1, MFC-5	1			-																				
244A	I-35	158+50.00	LONG. BARR. TYPE II W/ 2.7 L.F. 24 " RCP	CLB-2, PBB-1, SSIF-5, CIG-4																				1				
244B	I-35	158+50.00	LONG. BARR. TYPE II W/ - L.F. - " RCP	CLB-2, PBB-1, SSIF-5, CIG-4																				-				
MH245	I-35	160+50.00	5 ' DIA MANHOLE W/ 195.0 L.F. 24 " RCP	PRM-1, PBB-1, MFC-5	1			-																				

CONTINUED ON SHEET AR12

CONTINUED ON SHEET AR11

Preliminary Plans

DESIGN	NMB	12/24
DRAWN	NMB	1/25
CHECKED	XXX	1/25
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUMMARY SHEET (DRAINAGE)
SHEET (4 OF 7)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. AR10

3/28/2025 9:13:12 AM \\garverinc.local\gdata\Projects\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\SUMQ_29843_DRAINAGE_004.dgn

CONTINUED ON SHEET AR09

SUMMARY OF STORM SEWER

STRUCTURE NO.	ALIGNMENT	STATION	DESCRIPTION	DESIGN STANDARD	INLETS				J.BOX	PIPES								ENDS					SUBSIDIARY		STRUCTURE NO.	REMARKS
					ADD'L DEPTH IN INLET (GPI TYPE 1 DES. 1)	ADD'L DEPTH IN INLET (GPI TYPE 2 DES. 12)	ADD'L DEPTH IN INLET (SMD-TYPE 2)*	ADD'L DEPTH IN INLET (SMD-TYPE 2A)*	JUNCTION BOXES	18" R.C. PIPE CLASS III	24" R.C. PIPE CLASS III	30" R.C. PIPE CLASS III	36" R.C. PIPE CLASS III	48" R.C. PIPE CLASS III	CLASS AA CONCRETE	REINFORCING STEEL	EPOXY COATED REINFORCING STEEL	18" PREFAB. CULVERT END SECTION, ROUND	24" PREFAB. CULVERT END SECTION, ROUND	30" PREFAB. CULVERT END SECTION, ROUND	36" PREFAB. CULVERT END SECTION, ROUND	48" PREFAB. CULVERT END SECTION, ROUND	* STANDARD BEDDING MATERIAL, CLASS B	* TRENCH EXCAVATION		
					611(H)	611(H)	611(H)	611(H)	611(L)	613(A)	613(A)	613(A)	613(A)	613(A)	613(A)	511(	511(	613(L)	613(L)	613(L)	613(L)	613(L)	CY	CY		
					VF	VF	VF	VF	CF	LF	LF	LF	LF	LF	C	LB	LB	EA	EA	EA	EA	EA				
181	Frontage Rd. CRL	12+81.26	CICI-DES 2 W/ 91.0 L.F. 30 " RCP	CI-2, PBB-1, SSIF-5, CIG-4								91.01								1			91	961	181	
182	Frontage Rd. CRL	12+81.26	CICI-DES 2 W/ SM JCB W/ 26.2 L.F. 30 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5								16.16											27	282	182	
183	Frontage Rd. CRL	12+20.55	SMD-TYPE 2A W/ 11.0 L.F. 30 " RCP	PSMD-2, PBB-1				0.44															11	122	183	
MH184	Frontage Rd. CRL	12+20.55	5 ' DIA MANHOLE W/ 57.0 L.F. 30 " RCP	PRM-1, PBB-1, MFC-5								57											57	641	MH184	
187	Frontage Rd. CRL	13+50.00	CICI-DES 2(B) W/ SM JCB W/ 66.2 L.F. 18 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5						66.2													66	759	187	
189	Frontage Rd. CRL	12+00.00	CICI-DES 2(B) W/ 29.3 L.F. 18 " RCP	CI-2, PBB-1, SSIF-5, CIG-4						29.33													30	343	189	
190	Frontage Rd. CRL	12+00.00	CICI-DES 2(B) W/ SM JCB W/ 29.0 L.F. 18 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5						29													29	346	190	
191	Frontage Rd. CRL	10+75.00	CICI-DES 2 W/ SM JCB W/ 50.0 L.F. 18 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5						50								1					50	608	191	
192	Boucher CRL	13+10.41	SMD-TYPE 2 W/ 117.8 L.F. 18 " RCP	PSMD-2, PBB-1			0.32			117.84													118	1459	192	
201	Boucher CRL	15+20.00	CICI-DES 2(D) W/ SM JCB W/ 60.5 L.F. 18 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5						60.51								1					61	763	201	
211	Waterloo CRL	57+49.88	CICI-DES 2(D) W/ LRG JCB W/ 155.0 L.F. 36 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5									155										155	1990	211	
212	Waterloo CRL	55+20.00	CICI-DES 2 W/ SM JCB W/ 220.2 L.F. 36 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5									220.19										220	2877	212	
213	Waterloo CRL	55+26.74	GPI TYPE 1 (DES. 1) W/ 16.0 L.F. 24 " RCP	GPI-5, PBB-1	1.06						16												16	213	213	
214	Waterloo CRL	54+35.00	GPI TYPE 1 (DES. 1) W/ 74.0 L.F. 18 " RCP	GPI-5, PBB-1	1.59					74.03													74	1001	214	
215	Waterloo CRL	52+70.00	CICI-DES 2 W/ SM JCB W/ 166.0 L.F. 36 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5									166										166	2283	215	
216	Waterloo CRL	51+70.00	GPI TYPE 1 (DES. 1) W/ 66.2 L.F. 18 " RCP	GPI-5, PBB-1	0					66.22													66	926	216	
217	Waterloo CRL	51+40.00	CICI-DES 2 W/ SM JCB W/ 125.0 L.F. 36 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5									125								1		125	1776	217	
219	Waterloo CRL	49+70.00	GPI TYPE 1 (DES. 1) W/ 60.5 L.F. 18 " RCP	GPI-5, PBB-1	01					60.5													61	874	219	
220	Waterloo CRL	49+70.00	CICI-DES 2(B) W/ SM JCB W/ 165.0 L.F. 24 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5							165												165	2420	220	
221	Waterloo CRL	46+70.77	GPI TYPE 1 (DES. 1) W/ 52.0 L.F. 18 " RCP	GPI-5, PBB-1	0					51.97													52	774	221	
222	Waterloo CRL	46+69.50	CICI-DES 2 W/ SM JCB W/ 294.8 L.F. 18 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5						294.83													294	4459	222	
222B	Waterloo CRL	44+02.75	SMD-TYPE 2 W/ 20.0 L.F. 18 " RCP	PSMD-2, PBB-1			0.27			20													20	307	222B	
MH228	Waterloo CRL	60+00.00	8 ' DIA MANHOLE W/ 42.0 L.F. 48 " RCP	PRM-1, PBB-1, MFC-5										42								1	42	655	MH228	
223	Waterloo CRL	43+70.83	GPI TYPE 1 (DES. 1) W/ 50.1 L.F. 18 " RCP	GPI-5, PBB-1	0.01					50.11													50	793	223	
224	Waterloo CRL	43+69.26	CICI-DES 2 W/ SM JCB W/ 295.0 L.F. 18 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5						295													294	4731	224	
231	Waterloo CRL	54+40.37	CICI-DES 2 W/ SM JCB W/ 75.0 L.F. 36 " RCP	CI-2, PBB-1, SSIF-5, CIG-4, MFC-5									75										75	1220	231	
233	Waterloo CRL	52+54.14	GPI TYPE 1 (DES. 1) W/ 19.0 L.F. 24 " RCP	GPI-5, PBB-1	0.59					19													19	314	233	
MH240	I-35	147+81.67	5 ' DIA MANHOLE W/ 125.2 L.F. 24 " RCP	PRM-1, PBB-1, MFC-5							125.17												125	2093	MH240	
240A	I-35	147+81.67	LONG. BARR. TYPE II W/ 2.7 L.F. 24 " RCP	CLB-2, PBB-1, SSIF-5, CIG-4							2.68												3	46	240A	
240B	I-35	147+81.67	LONG. BARR. TYPE II W/ - L.F. - " RCP	CLB-2, PBB-1, SSIF-5, CIG-4																			-	-	240B	
MH241	I-35	149+50.00	5 ' DIA MANHOLE W/ 163.3 L.F. 24 " RCP	PRM-1, PBB-1, MFC-5							163.33												163	2843	MH241	
241A	I-35	149+50.00	LONG. BARR. TYPE II W/ 2.7 L.F. 24 " RCP	CLB-2, PBB-1, SSIF-5, CIG-4							2.68												3	48	241A	
241B	I-35	149+50.00	LONG. BARR. TYPE II W/ - L.F. - " RCP	CLB-2, PBB-1, SSIF-5, CIG-4																			-	-	241B	
MH242	I-35	152+50.00	5 ' DIA MANHOLE W/ 295.0 L.F. 24 " RCP	PRM-1, PBB-1, MFC-5							295												294	5338	MH242	
242A	I-35	152+50.00	LONG. BARR. TYPE II W/ 2.7 L.F. 24 " RCP	CLB-2, PBB-1, SSIF-5, CIG-4							2.68												3	50	242A	
242B	I-35	152+50.00	LONG. BARR. TYPE II W/ - L.F. - " RCP	CLB-2, PBB-1, SSIF-5, CIG-4																			-	-	242B	
MH243	I-35	155+50.00	5 ' DIA MANHOLE W/ 295.0 L.F. 24 " RCP	PRM-1, PBB-1, MFC-5							295												294	5540	MH243	
243A	I-35	155+50.00	LONG. BARR. TYPE II W/ 2.7 L.F. 24 " RCP	CLB-2, PBB-1, SSIF-5, CIG-4							2.68												3	51	243A	
243B	I-35	155+50.00	LONG. BARR. TYPE II W/ - L.F. - " RCP	CLB-2, PBB-1, SSIF-5, CIG-4																			-	-	243B	
MH244	I-35	158+50.00	5 ' DIA MANHOLE W/ 295.0 L.F. 24 " RCP	PRM-1, PBB-1, MFC-5							295												294	5742	MH244	
244A	I-35	158+50.00	LONG. BARR. TYPE II W/ 2.7 L.F. 24 " RCP	CLB-2, PBB-1, SSIF-5, CIG-4							2.68												3	53	244A	
244B	I-35	158+50.00	LONG. BARR. TYPE II W/ - L.F. - " RCP	CLB-2, PBB-1, SSIF-5, CIG-4																			-	-	244B	
MH245	I-35	160+50.00	5 ' DIA MANHOLE W/ 195.0 L.F. 24 " RCP	PRM-1, PBB-1, MFC-5							195												195	3929	MH245	

Preliminary Plans

CONTINUED ON SHEET AR10

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DESIGN	NMB	12/24
DRAWN	NMB	1/25
CHECKED	XXX	1/25
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUMMARY SHEET (DRAINAGE)
SHEET (5 OF 7)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. AR11

CONTINUED ON SHEET AR10

SUMMARY OF STORM SEWER

STRUCTURE NO.	ALIGNMENT	STATION	DESCRIPTION	DESIGN STANDARD	MANHOLES						INLETS																		
					MANHOLE (5' DIAMETER)	MANHOLE (6' DIAMETER)	MANHOLE (8' DIAMETER)	ADD'L DEPTH IN MANHOLE (5' DIAMETER)	ADD'L DEPTH IN MANHOLE (6' DIAMETER)	ADD'L DEPTH IN MANHOLE (8' DIAMETER)	INLET CI DES. 2 (STD)	INLET CI DES. 2 (B)	INLET CI DES. 2 (D)	INLET W/SMALL JCT. BOX, CI, DES.2	INLET W/SMALL JCT. BOX, CI, DES.2(B)	INLET W/SMALL JCT. BOX, CI, DES.2(D)	INLET W/LRG. JCT. BOX, DES.2(D)	INLET W/LRG. JCT. BOX, CI, DES.3	INLET GPI TYPE 1 (DES. 1)	INLET GPI TYPE 2 (DES. 8)	INLET GPI TYPE 2 (DES. 12)	INLET LONG. BARRIER TYPE II, DES. 2	INLET (SMD-TYPE 2)	INLET (SMD-TYPE 2A)	ADD'L DEPTH IN INLET CI DES. 2	ADD'L DEPTH IN INLET W/SJB, CI, DES. 2	ADD'L DEPTH IN INLET W/LJB, CI, DES. 2	ADD'L DEPTH IN INLET W/LJB, CI, DES. 3
					611(A)	611(A)	611(A)	611(B)	611(B)	611(B)	611(G)	611(G)	611(G)	611(G)	611(G)	611(G)	611(G)	611(G)	611(G)	611(G)	611(G)	611(G)	611(G)	611(G)	611(G)	611(H)	611(H)	611(H)	611(H)
					EA	EA	EA	VF	VF	VF	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	VF	VF	VF	VF
245A	I-35	160+50.00	LONG. BARR. TYPE II W/ 2.7 L.F. 24 " RCP	CLB-2, PBB-1, SSIF-5, CIG-4																		1							
245B	I-35	160+50.00	LONG. BARR. TYPE II W/ - L.F. - " RCP	CLB-2, PBB-1, SSIF-5, CIG-4																		-							
247A	I-35	146+50.00	LONG. BARR. TYPE II W/ 2.7 L.F. 24 " RCP	CLB-2, PBB-1, SSIF-5, CIG-4																		1							
247B	I-35	146+50.00	LONG. BARR. TYPE II W/ - L.F. - " RCP	CLB-2, PBB-1, SSIF-5, CIG-4																		-							
MH248	I-35	143+50.00	5 ' DIA MANHOLE W/ 293.5 L.F. 24 " RCP	PRM-1, PBB-1, MFC-5	1			-																					
248A	I-35	143+50.00	LONG. BARR. TYPE II W/ 2.7 L.F. 24 " RCP	CLB-2, PBB-1, SSIF-5, CIG-4																		1							
248B	I-35	143+50.00	LONG. BARR. TYPE II W/ - L.F. - " RCP	CLB-2, PBB-1, SSIF-5, CIG-4																		-							
MH249	I-35	146+50.00	8 ' DIA MANHOLE W/ 104.5 L.F. 24 " RCP	PRM-1, PBB-1, MFC-5			1			0.87																			
MH250	I-35	132+13.46	5 ' DIA MANHOLE W/ 182.5 L.F. 24 " RCP	PRM-1, PBB-1, MFC-5	1			3.94																					
250A	I-35	132+13.46	LONG. BARR. TYPE II W/ 2.7 L.F. 24 " RCP	CLB-2, PBB-1, SSIF-5, CIG-4																		1							
250B	I-35	132+13.46	LONG. BARR. TYPE II W/ - L.F. - " RCP	CLB-2, PBB-1, SSIF-5, CIG-4																		-							
MH251	I-35	134+00.00	5 ' DIA MANHOLE W/ 92.0 L.F. 24 " RCP	PRM-1, PBB-1, MFC-5	1			[illegible]88																					
251A	I-35	134+00.00	LONG. BARR. TYPE II W/ 2.7 L.F. 24 " RCP	CLB-2, PBB-1, SSIF-5, CIG-4																		1							
251B	I-35	134+00.00	LONG. BARR. TYPE II W/ - L.F. - " RCP	CLB-2, PBB-1, SSIF-5, CIG-4																		-							
MH252	I-35	131+00.00	5 ' DIA MANHOLE W/ 109.5 L.F. 24 " RCP	PRM-1, PBB-1, MFC-5	1			3.39																					
252A	I-35	131+00.00	LONG. BARR. TYPE II W/ 2.7 L.F. 24 " RCP	CLB-2, PBB-1, SSIF-5, CIG-4																		1							
252B	I-35	131+00.00	LONG. BARR. TYPE II W/ - L.F. - " RCP	CLB-2, PBB-1, SSIF-5, CIG-4																		-							
MH253	I-35	128+00.00	5 ' DIA MANHOLE W/ 295.0 L.F. 24 " RCP	PRM-1, PBB-1, MFC-5	1			3.14																					
253A	I-35	128+00.00	LONG. BARR. TYPE II W/ 2.7 L.F. 24 " RCP	CLB-2, PBB-1, SSIF-5, CIG-4																		1							
253B	I-35	128+00.00	LONG. BARR. TYPE II W/ - L.F. - " RCP	CLB-2, PBB-1, SSIF-5, CIG-4																		-							
MH254	I-35	125+00.00	5 ' DIA MANHOLE W/ 295.0 L.F. 24 " RCP	PRM-1, PBB-1, MFC-5	1			3.04																					
254A	I-35	125+00.00	LONG. BARR. TYPE II W/ 2.7 L.F. 24 " RCP	CLB-2, PBB-1, SSIF-5, CIG-4																		1							
254B	I-35	125+00.00	LONG. BARR. TYPE II W/ - L.F. - " RCP	CLB-2, PBB-1, SSIF-5, CIG-4																		-							
MH255	I-35	122+00.00	5 ' DIA MANHOLE W/ 295.0 L.F. 24 " RCP	PRM-1, PBB-1, MFC-5	1			2.9																					
255A	I-35	122+00.00	LONG. BARR. TYPE II W/ 2.7 L.F. 24 " RCP	CLB-2, PBB-1, SSIF-5, CIG-4																		1							
255B	I-35	122+00.00	LONG. BARR. TYPE II W/ - L.F. - " RCP	CLB-2, PBB-1, SSIF-5, CIG-4																		-							
MH256	I-35	119+00.00	5 ' DIA MANHOLE W/ 295.0 L.F. 24 " RCP	PRM-1, PBB-1, MFC-5	1			2.8																					
256A	I-35	119+00.00	LONG. BARR. TYPE II W/ 2.7 L.F. 24 " RCP	CLB-2, PBB-1, SSIF-5, CIG-4																		1							
256B	I-35	119+00.00	LONG. BARR. TYPE II W/ - L.F. - " RCP	CLB-2, PBB-1, SSIF-5, CIG-4																		-							
MH257	I-35	116+00.00	5 ' DIA MANHOLE W/ 295.0 L.F. 24 " RCP	PRM-1, PBB-1, MFC-5	1			2.7																					
257A	I-35	116+00.00	LONG. BARR. TYPE II W/ 2.7 L.F. 24 " RCP	CLB-2, PBB-1, SSIF-5, CIG-4																		1							
257B	I-35	116+00.00	LONG. BARR. TYPE II W/ - L.F. - " RCP	CLB-2, PBB-1, SSIF-5, CIG-4																		-							
MH258	I-35	113+00.00	5 ' DIA MANHOLE W/ 295.0 L.F. 24 " RCP	PRM-1, PBB-1, MFC-5	1			2.5																					
258A	I-35	113+00.00	LONG. BARR. TYPE II W/ 2.7 L.F. 24 " RCP	CLB-2, PBB-1, SSIF-5, CIG-4																		1							
258B	I-35	113+00.00	LONG. BARR. TYPE II W/ - L.F. - " RCP	CLB-2, PBB-1, SSIF-5, CIG-4																		-							
MH259	I-35	110+00.00	5 ' DIA MANHOLE W/ 295.0 L.F. 24 " RCP	PRM-1, PBB-1, MFC-5	1			1.9																					
259A	I-35	110+00.00	LONG. BARR. TYPE II W/ 2.7 L.F. 24 " RCP	CLB-2, PBB-1, SSIF-5, CIG-4																		1							
259B	I-35	110+00.00	LONG. BARR. TYPE II W/ - L.F. - " RCP	CLB-2, PBB-1, SSIF-5, CIG-4																		-							
OPEN TO 224	Waterloo CRL	42+42.12	OPEN PIPE W/ 132.0 L.F. 18 " RCP	PCES-5, CCI-1, CCI-2, PBB-1																			1						
260	I-35	162+74.70	SMD-TYPE 2 W/ - L.F. - " RCP	PSMD-2, PBB-1																									
				TOTALS:	18	5	3	34	14	19	7	5	3	15	5	5	1	2	7	1	3	18	5	1	41	81	4	13	

Preliminary Plans

CONTINUED ON SHEET AR13

DESIGN	NMB	12/24
DRAWN	NMB	1/25
CHECKED	XXX	1/25
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUMMARY SHEET (DRAINAGE)
SHEET (6 OF 7)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. AR12

3/28/2025 12:41:26 PM L:\2014\4037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\SUM0_29843_DRAINAGE_006.dgn

CONTINUED ON SHEET AR11

SUMMARY OF STORM SEWER

STRUCTURE NO.	ALIGNMENT	STATION	DESCRIPTION	DESIGN STANDARD	INLETS				J.BOX	PIPES								ENDS					SUBSIDIARY		STRUCTURE NO.	REMARKS
					ADD'L DEPTH IN INLET (GPI TYPE 1 DES. 1)	ADD'L DEPTH IN INLET (GPI TYPE 2 DES. 12)	ADD'L DEPTH IN INLET (SMD-TYPE 2)*	ADD'L DEPTH IN INLET (SMD-TYPE 2A)*	JUNCTION BOXES	18" R.C. PIPE CLASS III	24" R.C. PIPE CLASS III	30" R.C. PIPE CLASS III	36" R.C. PIPE CLASS III	48" R.C. PIPE CLASS III	CLASS AA CONCRETE	REINFORCING STEEL	EPOXY COATED REINFORCING STEEL	PREFAB. CULVERT END SECTION, ROUND	24" PREFAB. CULVERT END SECTION, ROUND	30" PREFAB. CULVERT END SECTION, ROUND	36" PREFAB. CULVERT END SECTION, ROUND	48" PREFAB. CULVERT END SECTION, ROUND	* STANDARD BEDDING MATERIAL, CLASS B	* TRENCH EXCAVATION		
					611(H)	611(H)	611(H)	611(H)	611(L)	613(A)	613(A)	613(A)	613(A)	613(A)	50[illegible]	511(A)	511	613(L)	613(L)	613(L)	613(L)	613(L)	CY	CY		
					VF	VF	VF	VF	CF	LF	LF	LF	LF	LF	CY	LB	LB	EA	EA	EA	EA	EA				
245A	I-35	160+50.00	LONG. BARR. TYPE II W/ 2.7 L.F. 24 " RCP	CLB-2, PBB-1, SSIF-5, CIG-4							2.68												3	55	245A	
245B	I-35	160+50.00	LONG. BARR. TYPE II W/ - L.F. - " RCP	CLB-2, PBB-1, SSIF-5, CIG-4																			-	-	245B	
247A	I-35	146+50.00	LONG. BARR. TYPE II W/ 2.7 L.F. 24 " RCP	CLB-2, PBB-1, SSIF-5, CIG-4							2												3	56	247A	
247B	I-35	146+50.00	LONG. BARR. TYPE II W/ - L.F. - " RCP	CLB-2, PBB-1, SSIF-5, CIG-4																			-	-	247B	
MH248	I-35	143+50.00	5 ' DIA MANHOLE W/ 293.5 L.F. 24 " RCP	PRM-1, PBB-1, MFC-5							293.5												293	6249	MH248	
248A	I-35	143+50.00	LONG. BARR. TYPE II W/ 2.7 L.F. 24 " RCP	CLB-2, PBB-1, SSIF-5, CIG-4							2												3	58	248A	
248B	I-35	143+50.00	LONG. BARR. TYPE II W/ - L.F. - " RCP	CLB-2, PBB-1, SSIF-5, CIG-4																			-	-	248B	
MH249	I-35	146+50.00	8 ' DIA MANHOLE W/ 104.5 L.F. 24 " RCP	PRM-1, PBB-1, MFC-5							104.5								1				105	2297	MH249	
MH250	I-35	132+13.46	5 ' DIA MANHOLE W/ 182.5 L.F. 24 " RCP	PRM-1, PBB-1, MFC-5							182.54												182	4054	MH250	
250A	I-35	132+13.46	LONG. BARR. TYPE II W/ 2.7 L.F. 24 " RCP	CLB-2, PBB-1, SSIF-5, CIG-4							2.68												3	61	250A	
250B	I-35	132+13.46	LONG. BARR. TYPE II W/ - L.F. - " RCP	CLB-2, PBB-1, SSIF-5, CIG-4																			-	-	250B	
MH251	I-35	134+00.00	5 ' DIA MANHOLE W/ 92.0 L.F. 24 " RCP	PRM-1, PBB-1, MFC-5							91.95								1				92	2105	MH251	
251A	I-35	134+00.00	LONG. BARR. TYPE II W/ 2.7 L.F. 24 " RCP	CLB-2, PBB-1, SSIF-5, CIG-4							2.68												3	62	251A	
251B	I-35	134+00.00	LONG. BARR. TYPE II W/ - L.F. - " RCP	CLB-2, PBB-1, SSIF-5, CIG-4																			-	-	251B	
MH252	I-35	13[illegible]+00.00	5 ' DIA MANHOLE W/ 109.5 L.F. 24 " RCP	PRM-1, PBB-1, MFC-5							109.46												110	2581	MH252	
252A	I-35	13[illegible]+00.00	LONG. BARR. TYPE II W/ 2.7 L.F. 24 " RCP	CLB-2, PBB-1, SSIF-5, CIG-4							2.68												3	64	252A	
252B	I-35	13[illegible]+00.00	LONG. BARR. TYPE II W/ - L.F. - " RCP	CLB-2, PBB-1, SSIF-5, CIG-4																			-	-	252B	
MH253	I-35	128+00.00	5 ' DIA MANHOLE W/ 295.0 L.F. 24 " RCP	PRM-1, PBB-1, MFC-5							295												294	7158	MH253	
253A	I-35	128+00.00	LONG. BARR. TYPE II W/ 2.7 L.F. 24 " RCP	CLB-2, PBB-1, SSIF-5, CIG-4							2.68												3	66	253A	
253B	I-35	128+00.00	LONG. BARR. TYPE II W/ - L.F. - " RCP	CLB-2, PBB-1, SSIF-5, CIG-4																			-	-	253B	
MH254	I-35	125+00.00	5 ' DIA MANHOLE W/ 295.0 L.F. 24 " RCP	PRM-1, PBB-1, MFC-5							295												294	7360	MH254	
254A	I-35	125+00.00	LONG. BARR. TYPE II W/ 2.7 L.F. 24 " RCP	CLB-2, PBB-1, SSIF-5, CIG-4							2.68												3	68	254A	
254B	I-35	125+00.00	LONG. BARR. TYPE II W/ - L.F. - " RCP	CLB-2, PBB-1, SSIF-5, CIG-4																			-	-	254B	
MH255	I-35	122+00.00	5 ' DIA MANHOLE W/ 295.0 L.F. 24 " RCP	PRM-1, PBB-1, MFC-5							295												294	7562	MH255	
255A	I-35	122+00.00	LONG. BARR. TYPE II W/ 2.7 L.F. 24 " RCP	CLB-2, PBB-1, SSIF-5, CIG-4							2.68												3	70	255A	
255B	I-35	122+00.00	LONG. BARR. TYPE II W/ - L.F. - " RCP	CLB-2, PBB-1, SSIF-5, CIG-4																			-	-	255B	
MH256	I-35	119+00.00	5 ' DIA MANHOLE W/ 295.0 L.F. 24 " RCP	PRM-1, PBB-1, MFC-5							295												294	7764	MH256	
256A	I-35	119+00.00	LONG. BARR. TYPE II W/ 2.7 L.F. 24 " RCP	CLB-2, PBB-1, SSIF-5, CIG-4							2.68												3	72	256A	
256B	I-35	119+00.00	LONG. BARR. TYPE II W/ - L.F. - " RCP	CLB-2, PBB-1, SSIF-5, CIG-4																			-	-	256B	
MH257	I-35	116+00.00	5 ' DIA MANHOLE W/ 295.0 L.F. 24 " RCP	PRM-1, PBB-1, MFC-5							295												294	7967	MH257	
257A	I-35	116+00.00	LONG. BARR. TYPE II W/ 2.7 L.F. 24 " RCP	CLB-2, PBB-1, SSIF-5, CIG-4							2.68												3	73	257A	
257B	I-35	116+00.00	LONG. BARR. TYPE II W/ - L.F. - " RCP	CLB-2, PBB-1, SSIF-5, CIG-4																			-	-	257B	
MH258	I-35	113+00.00	5 ' DIA MANHOLE W/ 295.0 L.F. 24 " RCP	PRM-1, PBB-1, MFC-5							295												294	8169	MH258	
258A	I-35	113+00.00	LONG. BARR. TYPE II W/ 2.7 L.F. 24 " RCP	CLB-2, PBB-1, SSIF-5, CIG-4							2.68												3	75	258A	
258B	I-35	113+00.00	LONG. BARR. TYPE II W/ - L.F. - " RCP	CLB-2, PBB-1, SSIF-5, CIG-4																			-	-	258B	
MH259	I-35	110+00.00	5 ' DIA MANHOLE W/ 295.0 L.F. 24 " RCP	PRM-1, PBB-1, MFC-5							295												294	8371	MH259	
259A	I-35	110+00.00	LONG. BARR. TYPE II W/ 2.7 L.F. 24 " RCP	CLB-2, PBB-1, SSIF-5, CIG-4							2.68												3	77	259A	
259B	I-35	110+00.00	LONG. BARR. TYPE II W/ - L.F. - " RCP	CLB-2, PBB-1, SSIF-5, CIG-4																			-	-	259B	
OPEN TO 224	Waterloo CRL	42+42.12	OPEN PIPE W/ 132.0 L.F. 18 " RCP	PCES-5, CCI-1, CCI-2, PBB-1						132								1					-	-	OPEN TO 224	
				TOTALS:	4	6	3	1	694	2795	5250	327	1062	336	505	53949	5920	4	4	2	2	1	9941	150588		

* FOR CONTRACTOR'S INFORMATION ONLY. COST INCLUDED IN PRICE BID FOR PIPE.

Preliminary Plans

CONTINUED ON SHEET AR12

DESIGN	NMB	12/24	OKLAHOMA DEPARTMENT OF TRANSPORTATION
DRAWN	NMB	1/25	
CHECKED	XXX	1/25	SUMMARY SHEET (DRAINAGE) SHEET (7 OF 7)
APPROVED			
SQUAD	GARVER		

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. AR13

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025

GENERAL CONSTRUCTION NOTES

OPERATIONS

EXISTING ROADWAY SHALL REMAIN OPEN DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER BARRICADES, LIGHTS, AND SIGNING WITHIN THE LIMITS OF CONSTRUCTION. ALL CONSTRUCTION SIGNING WILL BE IMPLEMENTED ACCORDING TO CONSTRUCTION PLANS. CONSTRUCTION TRAFFIC CONTROL WILL BE INSTALLED IN A MANNER APPROVED BY THE ENGINEER, IN ACCORDANCE WITH CHAPTER VI OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, (CURRENT EDITION), AND COMPLIANT WITH APPLICABLE O.D.O.T. STANDARD DRAWINGS.

FIVE (5) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION ON THIS PROJECT, THE RESIDENT ENGINEER SHALL CONTACT THE OKLAHOMA HIGHWAY PATROL, SIZE AND WEIGHTS SECTION (405)-425-2210 AND ADVISE THE OFFICE WHEN SAID DETOURING WILL BEGIN AND THAT WIDE LOADS OVER 12 FT. SHOULD BE ADVISED AND RESTRICTED. UPON COMPLETION OF THE PROJECT, THE RESIDENT ENGINEER SHALL CONTACT THE OKLAHOMA HIGHWAY PATROL AND ADVISE THE OFFICE THAT THE PROJECT IS COMPLETE.

THE STRUCTURAL DESIGN OF ALL POLES, MAST ARMS, HIGH-MAST POLES, AND OTHER SUPPORTS FOR SIGNS, LUMINAIRES, AND SIGNALS AS WELL AS THEIR CONNECTIONS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS. THE MANUFACTURER SHALL ENSURE THE FOLLOWING ARE APPLIED TO THE DESIGN:

THE MINIMUM DESIGN WIND SPEED AND DESIGN LIFE AS REQUIRED IN THE AASHTO SPECIFICATIONS;

THE CALCULATED STRESSES AND FORCES FROM THE DESIGN LOADINGS DO NOT EXCEED THOSE REQUIRED IN THE AASHTO SPECIFICATIONS;

A CATEGORY I FATIGUE IMPORTANCE FACTOR (IF) FOR ALL STRUCTURES; NO VIBRATORY MITIGATION SHALL BE ALLOWED. TRUCK-INDUCED GUSTS SHALL BE APPLIED TO ALL OVERHEAD TRAFFIC SIGNAL SUPPORTS.

ALL MEMBERS ARE AT LEAST THE MINIMUM THICKNESS AS REQUIRED IN THE AASHTO SPECIFICATIONS;

LUMINAIRE MAST ARMS SHALL BE DESIGNED TO SUPPORT AT LEAST A 50 LB. (22.7 KG) LUMINAIRE WITH AN EFFECTIVE PROJECTED AREA OF 2.5 FT2 (0.23 M2);

THE ANCHOR BOLT DESIGN AND AMOUNT OF ANCHOR BOLTS TO BE USED SHALL BE AS REQUIRED IN THE AASHTO SPECIFICATIONS.

SIGNAL MAST ARMS AND POLES SHALL BE DESIGNED FOR SPECIFIC SIGNAL HEAD AND SIGN PLACEMENT.

UNLESS SITE SPECIFIC GEOTECHNICAL DATA IS AVAILABLE, FOUNDATIONS SHALL BE DESIGNED UTILIZING THESE PARAMETERS; SHEAR STRENGTH OF COHESIVE SOIL (C) OF 500 PSF, ANGLE OF INTERNAL FRICTION (Φ) OF 22 DEGREES, AND EFFECTIVE UNIT WEIGHT OF SOIL (Γ) OF 120 PCF.

MINIMUM HAND HOLE SIZE OF 3 INCH WIDTH BY 5 INCH HEIGHT.

GENERAL CONSTRUCTION NOTES (CONT'D)

SIGNING

REMOVED MATERIAL TO BECOME PROPERTY OF CONTRACTOR AND IT SHALL BE DISPOSED OF IN A MANNER APPROVED BY THE ENGINEER.

THIS PROJECT SHALL BE CONSTRUCTED WITHOUT CLOSING THE EXISTING ROAD TO LOCAL AND THROUGH TRAFFIC. SEE O.D.O.T. STANDARDS AND DETAIL DRAWINGS FOR MAINTENANCE OF LOCAL AND THROUGH TRAFFIC.

ANY DAMAGE CAUSED BY THE CONTRACTOR TO ANY STRUCTURES, ROADWAY SURFACES, STRIPING, RAISED PAVEMENT MARKERS, GUARDRAIL, SLOPES, AND SIGNS SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE ENGINEER.

ALL REGULATORY SIGNS SHALL HAVE HIGH INTENSITY SHEETING. THE HIGH INTENSITY SHEETING SHALL MEET THE REQUIREMENTS OF ASTM D4956-(LATEST REVISION) FOR TYPE III SHEETING.

ALL WARNING SIGNS SHALL HAVE FLUORESCENT YELLOW SHEETING. THE FLUORESCENT YELLOW SHEETING SHALL MEET THE REQUIREMENTS OF ASTM D4956-(LATEST REVISION) REQUIREMENTS FOR TYPE VIII SHEETING.

ALL GREEN AND BLUE SIGNS ON CONVENTIONAL HIGHWAYS SHALL HAVE HIGH INTENSITY SHEETING. THE HIGH INTENSITY SHEETING SHALL MEET THE REQUIREMENTS OF ASTM D4956-(LATEST REVISION) FOR TYPE III SHEETING.

ALL PANEL AND OVERHEAD SIGNS SHALL HAVE TYPE III HIGH INTENSITY BACKGROUND WITH TYPE VIII LEGENDS AND BORDERS. THE TYPE III BACKGROUND AND THE TYPE VIII LEGENDS AND BORDERS SHALL MEET THE REQUIREMENTS OF ASTM D4956-(LATEST REVISION).

THE MANUFACTURER SHALL FURNISH A TYPE 'A' CERTIFICATION IN ACCORDANCE WITH ODOT STANDARD SPECIFICATIONS, LATEST EDITION, and SUBSECTION 106.04. THE CERTIFICATION SHALL INCLUDE TEST RESULTS ON THE MATERIAL SUBMITTED FOR APPROVAL.

ALL BROKEN CONCRETE INCLUDING OLD SIGN FOOTINGS WITH STUBS, WASTE MATERIAL AND DEBRIS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE LIMITS OF THE PROJECT AND DISPOSED OF IN AN AREA APPROVED BY THE ENGINEER. NO PAYMENT SHALL BE MADE FOR THE DISPOSAL OF THIS MATERIAL. ANY PIPE POST OR WIDE FLANGE POST FROM THE OLD SIGN FOOTINGS SHALL BE CUT AND HANDLED AS PROPERTY OF THE STATE AND SHALL BE NEATLY STACKED ON THE JOB SITE, AS DESIGNATED BY THE ENGINEER UNTIL SUCH TIME AS DIVISION PERSONNEL CAN REMOVE THE MATERIAL FROM THE JOB SITE.

NO SPLICES SHALL BE PERMITTED IN ANY PIPE OR WIDE FLANGE SIGN POSTS.

ALL ANCHOR BOLTS SHALL BE GRADE A-36 ST

THE STATIONS AND LOCATIONS OF THE SIGN PLACEMENT, AS SHOWN ON THE PLAN SHEETS, ARE APPROXIMATE. EXACT STATIONS AND LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR SO THAT THE SIGN IS INSTALLED IN ACCORDANCE WITH DEPARTMENT STANDARDS AND THE MUTCD IN ORDER TO PROVIDE OPTIMUM VISIBILITY TO THE ONCOMING/APPROACHING MOTORIST. IF A PROPOSED LOCATION CONFLICTS WITH OTHER SIGNS, UTILITIES OR OTHER ROADWAY FEATURES, THE ENGINEER SHALL BE NOTIFIED.

POST LENGTHS SHOWN ON SIGN SUMMARY ARE APPROXIMATE, EXACT LENGTH SHALL BE DETERMINED BY FIELD SURVEY BY THE CONTRACTOR.

ALL EXISTING AND NEW BREAKAWAY SIGN POSTS, PIPES AND WIDE FLANGE BEAMS SHALL HAVE SHEET METAL BOLT RETAINER PLATES AS SPECIFIED IN O.D.O.T. STD. GS1-1-(LATEST REVISION). REPLACEMENT COST OF MISSING OR DAMAGED BOLT RETAINER PLATES AND ALL ASSOCIATED HARDWARE AND LABOR SHALL BE INCLUDED IN OTHER ITEMS OF WORK.

THE REMOVAL OF SIGN FOOTINGS IN CONCRETE ISLANDS SHALL BE REMOVED IN A MANNER APPROVED BY THE ENGINEER. AFTER REMOVAL, THE HOLES SHALL BE PATCHED WITH CONCRETE. THE NEW LOCATION OF SIGN FOOTINGS IN CONCRETE ISLANDS SHALL BE SAWED IN A MANNER APPROVED BY THE ENGINEER. CONCRETE PATCHING, SAWING, LABOR, AND ALL OTHER ASSOCIATED COSTS SHALL BE INCLUDED IN OTHER ITEMS OF WORK.

AFTER REMOVAL OF ANY SIGN FOOTINGS, THE HOLES SHALL BE FILLED WITH SOIL AND TAMPED AND SHAPED IN A MANNER APPROVED BY THE ENGINEER.

FOR NEW OR EXISTING GROUND MOUNTED SIGNS, MAXIMUM STUB POST PROJECTION ABOVE FOOTING/GROUND LINE SHALL BE 1-3/4" + /- 1/4". MAXIMUM FOOTING PROJECTION ABOVE GROUND LINE SHALL BE NO MORE THAN 2". SHOULD ADDITIONAL SOIL BE REQUIRED, THE ENGINEER WILL DESIGNATE AN AREA TO OBTAIN ADDITIONAL SOIL. ALL ASSOCIATED COSTS SHALL BE INCLUDED IN OTHER ITEMS OF WORK.

UPRIGHT LENGTHS OF OVERHEAD SIGN STRUCTURES SHOWN ARE APPROXIMATE AND ACTUAL LENGTHS SHALL BE DETERMINED BY THE CONTRACTOR'S FIELD SURVEY.

DETAILS FOR MOUNTING SIGNS TO OVERHEAD STRUCTURES SHALL BE APPROVED BY THE ENGINEER AND SUBMITTED WITH SHOP DRAWINGS FOR OVERHEAD STRUCTURES. NO MOUNTING HOLES SHALL BE PERMITTED IN OVERHEAD STRUCTURES UPRIGHT MEMBERS.

CONTRACTOR SHALL PROVIDE THE ENGINEER A MINIMUM OF SEVEN (7) DAYS ADVANCE NOTICE FOR INSTALLATION OF OVERHEAD SIGN STRUCTURES AND OVERHEAD SIGNS. INSTALLATION SHOULD PREFERABLY BE ACCOMPLISHED ON SUNDAY BETWEEN 7:00 A.M. AND 10:00 A.M.

GENERAL CONSTRUCTION NOTES (CONT'D)

SAFETY

ALL FIELD MEASUREMENTS PREVAIL ON INSTALLATION AND REMOVAL.

COMPLETION OF A TREATMENT WILL BE REQUIRED BEFORE BEGINNING WORK AT ANOTHER LOCATION UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

THE COST OF REMOVING ABANDONED LIGHT POLE FOOTINGS TO BE INCLUDED IN BID FOR OTHER ITEMS OF WORK.

LOCATIONS OF GUARDRAIL WIDENING GIVEN ON SUMMARY SHEETS ARE FOR ESTIMATING PURPOSES ONLY. THE CONTRACTOR SHALL VERIFY THESE AREAS. THE FINAL LOCATION OF GUARDRAIL WIDENING TO BE DETERMINED BY THE ENGINEER. GUARDRAIL WIDENING SHALL NOT BE DONE IN AREAS WHERE CURB EXISTS OR WHERE WIDENING WILL CAUSE SLOPE FAILURE.

EXISTING GUARDRAIL TO BE REPLACED SHALL NOT BE REMOVED UNTIL ALL MATERIALS, EQUIPMENT AND LABOR ARE AVAILABLE AT THE SITE FOR REPLACEMENT. REPLACEMENT OF THE GUARDRAIL SHALL BEGIN IMMEDIATELY FOLLOWING REMOVAL OF THE EXISTING GUARDRAIL AND CONTINUE UNTIL COMPLETED. NO RAW GUARDRAIL ENDS SHALL REMAIN EXPOSED TO TRAFFIC DURING NON-WORKING HOURS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING THE TRAFFIC BENEATH THE BRIDGES DURING THE REMOVAL AND RECONSTRUCTION OF BRIDGE PARAPET WALL. BEFORE ANY REMOVAL IS BEGUN, A PROPOSED METHOD OF PREVENTING DEBRIS FROM FALLING ON THE TRAFFIC BELOW THE BRIDGE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL. ALL MATERIAL REMOVED FROM THE EXISTING BRIDGE SHALL BE REMOVED FROM THE WORK AREA PROMPTLY. THE AREA SHALL BE CLEARED AT THE CLOSE OF ANY WORK PERIOD.

THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE AREAS UNDER THE BRIDGES FROM FALLING DEBRIS AND BE SOLELY RESPONSIBLE FOR SAFEGUARDING THESE AREAS.

CABLE BARRIER

THE STATIONS AND LOCATIONS OF THE CABLE BARRIER SYSTEM AND END ANCHOR UNITS PLACEMENT, SHOWN ON THE PLAN AND DETAIL SHEETS, ARE APPROXIMATE. THE ENGINEER SHALL DETERMINE THE EXACT LOCATION OF THE CABLE BARRIER SYSTEM AND/OR END ANCHOR UNITS. THE CONTRACTOR SHALL VERIFY THESE LOCATIONS.

DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SURFACE DRAINAGE, SHALL VISUALLY INSPECT AND/OR MONITOR IT DURING RAINY OR WET WEATHER, AND TAKE NECESSARY STEPS TO ENSURE ALL AREAS IN THE MEDIAN ADEQUATELY DRAINS TO THE SATISFACTION OF THE ENGINEER.

Preliminary Plans

DESIGN	NMB	12/24
DRAWN	JLH	12/24
CHECKED	SCB	1/25
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

GENERAL CONSTRUCTION NOTES (TRAFFIC)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. AT01

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025

PAY QUANTITIES

JP 29843(04)

0301 TRAFFIC TEMPORARY

ITEM NO.	CODE NO.	DESCRIPTION		UNIT	QUANTITY
857(A)	9205	CONSTRUCTION TRAFF.STR.(PAINT)(6" WIDE)	(TC-13,15,16,20,21,61,70,75)(SP-4)	LF	141,766.00
857(C)	9405	REMOVABLE PAVEMENT MARKING TAPE(6" WIDE)	(TC-20,21,61,70,75)(SP-5)	LF	141,963.00
857(F)	9700	PAVEMENT MRKNG.REMOVAL(TRAF.STRP)	(TC-22,70)	LF	62,798.80
871(B)	2300	(SP)CONST.ZONE IMPACT ATTEN.	(TC-52,84)	SD	4,410.00
877(B)	4300	DELIVER PORTABLE LONGITUDINAL BARRIER	(TC-1,2)	LF	15,037.50
877(C)	4400	RELOCATION OF PORTABLE LONGITUDINAL BARRIER	(TC-1,2)	LF	73,212.50
878(B)	5300	MODULAR GLARE SCREEN (TEMPORARY)	(TC-1,2,84)	SD	86,760.00
880(B)	6300	CONSTRUCTION SIGNS 0 TO 6.25 SF	(TC-23,26,28,33,84)	SD	63,330.00
880(B)	6310	CONSTRUCTION SIGNS 6.26 SF TO 15.99 SF	(TC-23,26,29,33,84)	SD	36,780.00
880(B)	6320	CONSTRUCTION SIGNS 16.0 SF TO 32.99 SF	(TC-26,30,33,84)	SD	30,510.00
880(C)	6410	CONSTRUCTION BARRICADES(TYPE III)	(TC-26,84)	SD	10,530.00
880(E)	6600	WARNING LIGHTS(TYPE A)	(TC-26,84)	SD	21,060.00
880(E)	6607	WARNING LIGHTS(TYPE B)	(TC-26,84)	SD	35,610.00
880(F)	6700	DRUMS	(SP-2)(TC-26,33,84)	SD	35,610.00
880(G)	6805	CHANNELIZER CONES	(TC-26,84)	SD	142,200.00
880(I)	7000	FLAGGER	(TC-26,58,70)	SD	840.00
880(N)	7500	(SP) TEMP. TRAFF. SIGNAL SPAN WIRE EQUIP		LSUM	1.00
882(A)	8210	PORT.CHANGEABLE MESSAGE SIGN	(TC-26,52,70,84,85)	SD	2,820.00

TRAFFIC CONTROL PAY QUANTITY NOTES

(TC-1) THE CONTRACTOR SHALL FURNISH AND INSTALL SUCH LIGHTS, SIGNS, BARRICADES, AND PROVIDE FLAGGERS NECESSARY FOR THE CONTROL, SAFETY, AND MAINTENANCE OF TRAFFIC WHEN INSTALLING, RELOCATING OR DELIVERING PORTABLE LONGITUDINAL BARRIER.

(TC-2) QUANTITY INCLUDES SUFFICIENT LENGTH OF PORTABLE LONGITUDINAL BARRIER TO PROVIDE FOR THE LONGEST SECTION SHOWN ON THE PLANS. THIS SAME BARRIER WILL BE USED ON OTHER DETOUR PHASES.

(TC-13) A PART, OR ALL, OF THIS ITEM IS INTENDED FOR REPLACEMENT OF REMOVED EXISTING CONFLICTING STRIPING.

(TC-15) PAY QUANTITY SHALL MEET THE REQUIREMENTS OF ODOT SPECIFICATION SECTION 711.10 TRAFFIC STRIPE PAINT ACRYLIC WATERBORNE WITH THE EXCEPTION OF THE ACRYLIC EMULSION POLYMER SHALL BE ROHM AND HASS HD-21A OR DOW CHEMICAL DT-400.

(TC-16) PAINT SHALL CONFORM TO SECTION 711 "TRAFFIC STRIPE", OF THE O.D.O.T. STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (CURRENT EDITION).

IF CONSTRUCTION TRAFFIC STRIPE PAINT IS INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND FAILS DURING THE FIRST SIX MONTHS OF SERVICE, REPLACEMENT WILL BE MADE AT THE CONTRACTOR'S EXPENSE AND SHALL BE ACCOMPLISHED IN A TIMELY MANNER UPON NOTIFICATION BY THE ENGINEER OF SUCH FAILURE.

(TC-20) ALL STRIPING TO BE PLACED ON TEMPORARY SURFACES OR ON SURFACES SCHEDULED TO BE REMOVED SHALL BE DONE WITH PAINT UNLESS OTHERWISE NOTED ON THE PLANS OR STANDARD DRAWINGS. TEMPORARY PAVEMENT MARKINGS PLACED ON FINISHED PAVEMENT OR EXISTING PAVEMENT TO REMAIN IN PLACE SHALL BE ONE OF THE FOLLOWING METHODS:
- REMOVABLE PAVEMENT MARKING TAPE
- CLASS A PAVEMENT MARKERS

(TC-21) INCLUDED IN THE COST OF THIS ITEM SHALL BE INSTALLATION, MAINTENANCE, AND REMOVAL. THIS ITEM SHALL BE BID ACCORDINGLY.

(TC-22) AMOUNT SHOWN IS AN APPROXIMATION AND THE ACTUAL AMOUNT OF REMOVAL, IF NECESSARY, SHALL BE DETERMINED BY THE ENGINEER. PRICE BID FOR PAVEMENT MARKING REMOVAL SHALL INCLUDE THE COST OF REMOVING STRIPE, ARROWS, WORDS AND SYMBOLS, AS SHOWN IN THE PLANS. THESE ITEMS MAY CONSIST OF PLASTIC, PAINT OR NON-REMOVABLE MARKING TAPE.

(TC-23) QUANTITY SHOWN FOR THIS ITEM INCLUDES SIGNS WHICH COMPRISE THE ROUTE MARKER ASSEMBLIES USED TO INDICATE THE DETOUR ROUTE.

(TC-26) ALL CONSTRUCTION TRAFFIC CONTROL WILL BE IMPLEMENTED ACCORDING TO CONSTRUCTION PLANS, AND INSTALLED IN A MANNER APPROVED BY THE ENGINEER, IN ACCORDANCE WITH CHAPTER 6 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, (CURRENT EDITION), AND COMPLIANT WITH APPLICABLE O.D.O.T. STANDARD DRAWINGS. PRICE BID FOR THIS ITEM SHALL BE PAYMENT IN FULL FOR THE INSTALLATION, MAINTENANCE AND SUBSEQUENT REMOVAL OF ALL NECESSARY CONSTRUCTION TRAFFIC CONTROL DEVICES REQUIRED FOR COMPLETION OF THE PROJECT.

ALL SIGNS AND BARRICADES WHICH ARE SHOWN WITH TYPE 'A' LIGHTS IN THE STANDARD DRAWINGS SHALL HAVE THE CORRESPONDING LIGHT ATTACHED DURING NON-DAYLIGHT HOURS.

(TC-28) INCLUDED IN THIS ITEM ARE ALL S.C.S. (SPECIAL CONSTRUCTION SIGNING) SIGNS WHICH ARE BETWEEN 0.00 S.F. AND 6.25 S.F. ALSO INCLUDED IN THIS ITEM SHALL BE THE COST OF INSTALLATION, MAINTENANCE, AND REMOVAL OF THESE SIGNS.

(TC-29) INCLUDED IN THIS ITEM ARE ALL S.C.S. (SPECIAL CONSTRUCTION SIGNING) SIGNS WHICH ARE BETWEEN 6.26 S.F. AND 15.99 S.F. ALSO INCLUDED IN THIS ITEM SHALL BE THE COST OF INSTALLATION, MAINTENANCE, AND REMOVAL OF THESE SIGNS.

(TC-30) INCLUDED IN THIS ITEM ARE ALL S.C.S. (SPECIAL CONSTRUCTION SIGNING) SIGNS WHICH ARE BETWEEN 16.00 S.F. AND 32.99 S.F. ALSO INCLUDED IN THIS ITEM SHALL BE THE COST OF INSTALLATION, MAINTENANCE, AND REMOVAL OF THESE SIGNS.

(TC-33) ALL CONSTRUCTION WORK ZONE SIGNS SHALL HAVE FLUORESCENT SHEETING. THE FLUORESCENT SHEETING SHALL MEET THE REQUIREMENTS OF ASTM D4956 (LATEST REVISION)

THE MANUFACTURER SHALL FURNISH A TYPE 'D' CERTIFICATION IN ACCORDANCE WITH O.D.O.T. STANDARD SPECIFICATIONS (CURRENT EDITION) SUBSECTION 106.04. THE CERTIFICATION SHALL INCLUDE TEST RESULTS ON MATERIAL SUBMITTED FOR APPROVAL.

(TC-52) ANY USED CHANGEABLE MESSAGE SIGN , CONSTRUCTION ZONE IMPACT ATTENUATOR , TO BE PLACED ON THIS PROJECT SHALL BE SUBJECT TO INSPECTION AND APPROVAL, BY THE OKLAHOMA DEPARTMENT OF TRANSPORTATION, TO ASSURE THAT THEY ARE IN GOOD WORKING CONDITION, PRIOR TO PLACEMENT ON THE PROJECT.

(TC-58) INCLUDED IN THIS ITEM IS THE COST OF PROVIDING TWO (2) FLAGGERS FOR A 24 HOUR PERIOD OF TIME. DURING NON-DAYLIGHT HOURS THE FLAGGER STATIONS SHALL BE ADEQUATELY LIGHTED TO PROVIDE A SAFE WORK AREA FOR FLAGGERS. COST OF THIS LIGHTING WILL BE INCLUDED IN THE PRICE BID FOR FLAGGER.

(TC-61) ANY DAMAGE TO A FINISHED OR EXISTING SURFACE RESULTING FROM THE CONTRACTORS NEGLIGENCE IN THE REMOVAL OF CONSTRUCTION ZONE PAVEMENT MARKERS OR CHANNELIZING DEVICES AND THE BITUMINOUS ADHESIVE USED IN THEIR INSTALLATION, SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE AND TO THE SATISFACTION OF THE ENGINEER.

(TC-70) THIS ITEM IS AN ESTIMATED QUANTITY TO BE USED AS DEEMED NECESSARY BY THE ENGINEER.

(TC-75) TEMPORARY PAVEMENT MARKINGS SHALL BE IN PLACE THE SAME DAY THAT EXISTING PAVEMENT MARKINGS ARE REMOVED FROM ANY ROADWAY OPEN TO TRAFFIC. ALSO, ALL TEMPORARY PAVEMENT MARKINGS SHALL BE REMOVED PRIOR TO THE INSTALLATION OF FINAL STRIPING.

(TC-84) 750 CONSTRUCTION CALENDAR DAYS WERE USED TO COMPUTE THE SIGN DAY PAY ITEMS. THE AMOUNT OF CALENDAR DAYS USED TO COMPUTE THE SIGN DAY PAY ITEMS IS AN ESTIMATED QUANTITY ONLY, BASED ON THE CURRENT O.D.O.T. STANDARDS AND SUGGESTED CONSTRUCTION SEQUENCE FOR THIS PROJECT. THESE ESTIMATED SIGN DAY QUANTITIES MAY CHANGE AS THE PROJECT'S CONSTRUCTION TRAFFIC CONTROL IS MODIFIED DURING CONSTRUCTION.

(TC-85) THESE SIGNS MUST BE ON THE OKLAHOMA DEPARTMENT OF TRANSPORTATION LIST OF APPROVED CHANGEABLE MESSAGE SIGNS. FOR A LIST OF THE APPROVED SIGNS GO TO THE OKLAHOMA DEPARTMENT OF TRANSPORTATION WEBSITE AT:
http://www.okladot.state.ok.us/traffic/qpl/index.php

SPECIAL TRAFFIC PAY QUANTITY NOTES

(SP-1) THE CONTRACTOR SHALL KEEP A SPARE ARROW BOARD AND CHANGEABLE MESSAGE BOARD LOCATED ON THE SITE FOR THE IMMEDIATE REPLACEMENT OF ANY BROKEN OR DEFECTIVE ARROW BOARDS AND/OR MESSAGE BOARDS THAT ARE IN USE ON THE PROJECT.

(SP-2) TYPE 'C' WARNING LIGHTS NOT REQUIRED.

(SP-3) QUANTITY INCLUDES SIX (6) PORTABLE CHANGEABLE MESSAGE SIGNS TO BE PLACED 2 WEEKS PRIOR TO THE START OF CONSTRUCTION.

(SP-4) INCLUDES AN ESTIMATED 80,272 L.F. (PAINT) (6" WIDE) WHITE 61,494 L.F. (PAINT)(6" WIDE) YELLOW STRIPE.

(SP-5) THIS ITEM INCLUDES AN ESTIMATED 85,920 L.F. (6" WIDE) WHITE AND 56,043 L.F. (6" WIDE) YELLOW STRIPE. THE CONTRACTOR SHALL PROVIDE AND INSTALL AN O.D.O.T. APPROVED REMOVABLE PAVEMENT MARKING TAPE. COST FOR REMOVAL OF THIS TAPE SHALL BE INCLUDED IN THE PRICE BID FOR THIS ITEM. NON-REMOVABLE MARKING TAPE (FOIL BACK) SHALL NOT BE CONSIDERED AN APPROVED EQUAL FOR THIS ITEM.

Preliminary Plans

DESIGN	NMB	8/24
DRAWN	JLH	8/24
CHECKED	SCB	1/25
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUMMARY OF PAY QUANTITIES AND NOTES (TRAFFIC) (SHEET 1 OF 2)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. AT02

3/28/2025 9:13:31 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\SUMPAY_29843_TRAFFIC_001.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025

PAY QUANTITIES

JP 29843(04)

0300 TRAFFIC SIGNING AND STRIPING

ITEM NO.	CODE NO.	DESCRIPTION		UNIT	QUANTITY
516(A)	8240	DRILLED SHAFTS 60" DIAMETER	(SP-2)	LF	324.00
804(A)	2200	STRUCTURAL CONCRETE		CY	8.08
804(B)	2300	REINFORCING STEEL		LB	1,334.00
850(A)	1200	SHEET ALUMINUM SIGNS		SF	586.13
850(B)	1310	EXTRUDED ALUMINUM PANEL SIGNS		SF	316.25
850(B)	1320	EXTR.ALUM.PAN.SGN.(OVRHD SIGNS)		SF	1,182.50
851(A)	2200	4"@13 GALV. STL.WD.FLANGE BM.POST		LF	181.00
851(A)	2205	6"@15 GALV. STL.WD.FLANGE BM.POST		LF	72.00
851(C)	2420	2 1/4" SQUARE TUBE POST	(TS-33)	LF	481.05
852(D)	3506	OVHD.SN.STR., MONOTUBE TYPE B 60'		EA	1.00
852(D)	3512	OVHD.SN.STR., MONOTUBE TYPE B 70'		EA	1.00
852(D)	3520	OVHD.SN.STR., MONOTUBE TYPE B 80'		EA	1.00
852(D)	3528	OVHD.SN.STR., MONOTUBE TYPE B 90'		EA	1.00
852(E)	3600	OVHD.SN.STR., MONOTUBE TYPE C		EA	1.00
856(A)	8204	TRAFFIC STRIPE(MULTI-POLY.)(6" WIDE)	(SP-5)	LF	40,225.00
856(A)	8208	TRAFFIC STRIPE(MULTI-POLY.)(8" WIDE)	(SP-6)	LF	47,585.00
856(A)	8212	TRAFFIC STRIPE(MULTI-POLY)(12" WIDE)	(SP-7)	LF	3,006.00
856(A)	8216	TRAFFIC STRIPE(MULTI-POLY.)(24" WIDE)	(SP-8)	LF	1,784.00
856(B)	8306	(SP) TRAFFIC STRIPE(MULTI-POLY.)(ARROWS)	(SP-1)	EA	82.00
856(B)	8310	(SP) TRAFFIC STRIPE(MULTI-POLY.)(SYMBOLS)		EA	4.00
856(B)	8314	(SP) TRAFFIC STRIPE(MULTI-POLY.)(WORDS)		EA	6.00
858(A)	224	PAVE. MARKERS CLASS A TYPE 2-C	(SP-4)	EA	121.00

TRAFFIC PAY QUANTITY NOTES

(TS-33) INCLUDED IN THIS PAY ITEM IS ALL HARDWARE ASSOCIATED WITH PROPERLY ANCHORING AND MOUNTING THE HIGHWAY SIGN IN ACCORDANCE WITH O.D.O.T. PLANS AND STANDARD DRAWINGS SSA1-1 AND SSP1-1-(LATEST REVISION).

(SP-1) ARROW QUANTITIES INCLUDE:

LEFT TURN LANE ARROW = 43 EA
RIGHT TURN LANE ARROW = 21 EA
TURN & THROUGH LANE ARROW = 14 EA
THROUGH ARROW = 16 EA

(SP-2) SEE MONOTUBE STANDARD SHEETS FOR ADDITIONAL INFORMATION.

(SP-3) NOT USED

(SP-4) INSTALL RAISED PAVEMENT MARKERS BETWEEN END OF MARCH AND END OF SEPTEMBER.

(SP-5) QUANTITY SHOWN INCLUDES 21,933 L.F. TRAFFIC STRIPE (MULTI-POLYMER)(WHITE) AND 18,292 L.F. TRAFFIC STRIPE(MULTI-POLYMER)(YELLOW) AND WILL BE MEASURED BY THE LINEAR FOOT OF SIX INCH (6") WIDE TRAFFIC STRIPE. THIS STRIPE SHALL BE APPLIED AT A THICKNESS OF 70 MILS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND APPROVAL BY THE ENGINEER.

(SP-6) QUANTITY SHOWN INCLUDES 24,010 L.F. TRAFFIC STRIPE (MULTI-POLYMER)(WHITE) AND 17,855 L.F. TRAFFIC STRIPE(MULTI-POLYMER YELLOW) AND 5,720 L.F. TRAFFIC STRIPE(MULTI-POLYMER)(BLACK) AND WILL BE MEASURED BY THE LINEAR FOOT OF SIX INCH (8") WIDE TRAFFIC STRIPE. THIS STRIPE SHALL BE APPLIED AT A THICKNESS OF 70 MILS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND APPROVAL BY THE ENGINEER.

(SP-7) QUANTITY SHOWN INCLUDES 2,000 L.F. TRAFFIC STRIPE (MULTI-POLYMER)(WHITE) AND 1,006 L.F. TRAFFIC STRIPE(MULTI-POLYMER)(YELLOW) AND WILL BE MEASURED BY THE LINEAR FOOT OF SIX INCH (12") WIDE TRAFFIC STRIPE. THIS STRIPE SHALL BE APPLIED AT A THICKNESS OF 70 MILS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND APPROVAL BY THE ENGINEER. .

(SP-8) QUANTITY SHOWN INCLUDES 1,784 L.F. TRAFFIC STRIPE (MULTI-POLYMER)(WHITE) AND WILL BE MEASURED BY THE LINEAR FOOT OF TWENTY-FOUR INCH (24") WIDE TRAFFIC STRIPE. THIS STRIPE SHALL BE APPLIED AT A THICKNESS OF 70 MILS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND APPROVAL BY THE ENGINEER.

Preliminary Plans

DESIGN	CEM	3/25
DRAWN	JLH	3/25
CHECKED	CEM	3/25
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUMMARY OF PAY QUANTITIES AND NOTES (TRAFFIC) (SHEET 2 OF 2)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. AT03

3/28/2025 9:13:33 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\SUMQ_29843_TRAFFIC_001.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025

STANDARD SIGN SUMMARY

SIGN NO.	SHEET NO.	ALIGNMENT	APPROX STATION LOCATION		SIGN TYPE	SIGN THICKNESS 0.063" SHEET ALUMINUM SIGNS 850(A) SF	SIGN THICKNESS 0.080" SHEET ALUMINUM SIGNS 850(A) SF	SIGN THICKNESS 0.100" SHEET ALUMINUM SIGNS 850(A) SF	SQUARE POSTS 14 GA. 2-1/4" SQUARE TUBE POST 851(C) POST A LF	SQUARE POSTS 14 GA. 2-1/4" SQUARE TUBE POST 851(C) POST B LF	RRFB WITH PUSH BUTTONS, (DUAL LIGHT BAR) INSTALLED SPECIAL EA	REMOVAL OF EXISTING SIGNS 805(A) (EA.)	REMOVE & RESET EXISTING SIGNS 805(D) (EA.)	REMARKS
					(STD.)	SF	SF	SF	LF	LF	EA	(EA.)	(EA.)	
1	1	Waterloo Rd	40+35	LT	R1-1E, R1-3P	0.75	-	9.00	10.58	-	-		-	
2	1	Waterloo Rd	44+50	LT	R3-7E(R)	-	-	9.00	9.92	-	-		-	
3	2	Waterloo Rd	46+00	LT	W3-1E	-	-	16.00	12.57	-	-		-	
4	2	Waterloo Rd	50+50	RT	W3-3E	-	-	16.00	12.57	-	-		-	
5	2	Waterloo Rd	52+00	RT	RTE ASSEMBLY #1	6.19	-	-	10.08	-	-		-	
6	2	Waterloo Rd	53+50	RT	RTE ASSEMBLY #2	18.00	-	-	12.25	-	-		-	
7	2	Waterloo Rd	58+00	RT	R3-7E(R)	-	-	9.00	9.92	-	-		-	
8	2	Frontage Rd	10+60	LT	R1-1E	-	-	7.46	9.92	-	-		-	
9	3	Waterloo Rd	61+00	CT	W1-4b, W13-1P	2.25	-	9.00	-	-	-		-	
10	3	Waterloo Rd	61+00	RT	W1-4b, W13-1P	2.25	-	9.00	-	-	-		-	
11	3	Waterloo Rd	62+65	CT	R4-7, OM1-1	2.25	5.00	-	11.70	-	-		-	
12	3	Waterloo Rd	63+10	RT	R5-1E, R3-1E	-	-	18.00	10.08	-	-		-	
13	3	Ramp C	141+50	RT	R5-1aE	-	-	6.00	8.92	-	-		-	
14	3	Ramp C	141+50	LT	R5-1aE	-	-	6.00	8.92	-	-		-	
15	3	Waterloo Rd	63+90	CT	R4-8, OM1-1	2.25	5.00	-	11.70	-	-		-	
16	3	Interstate 35	134+00	LT	W4-1E(R)	-	-	16.00	12.57	-	-		-	
17	3	Waterloo Rd	69+35	CT	R4-8, OM1-1	2.25	5.00	-	11.70	-	-		-	
18	3	RAMP D	140+45	RT	R1-2E	-	-	6.93	10.92	-	-		-	
19	3	Waterloo Rd	70+05	LT	R5-1E, R3-1E	-	-	18.00	10.08	-	-		-	
20	3	Waterloo Rd	70+65	CT	R4-7, OM1-1	2.25	5.00	-	11.70	-	-		-	
21	3	Waterloo Rd	71+35	CT	W1-4b, W13-1P	2.25	-	9.00	-	-	-		-	
22	3	Waterloo Rd	71+35	LT	W1-4b, W13-1P	2.25	-	9.00	-	-	-		-	
23	3	Waterloo Rd	72+70	CT	R6-1(R)	-	-	3.00	7.92	-	-		-	
24	3	Ramp B	137+40	LT	R5-1aE	-	-	6.00	8.92	-	-		-	
25	3	Ramp B	137+00	RT	R5-1aE	-	-	6.00	-	-	-		-	
26	3	Ramp B	137+00	RT	R3-8E MODIFIED	-	-	15.00	9.92	-	-		-	
27	3	Ramp B	134+50	RT	R3-8E MODIFIED	-	-	15.00	[illegible]	-	-		-	
28	3	Industrial Blvd	13+50	RT	W3-3	-	6.25	-	10.45	-	-		-	
29	3	Industrial Blvd	14+82	RT	W1-8	3.00	-	-	8.92	-	-		-	
30	4	Industrial Blvd	15+60	RT	W1-8, W1-8	6.00	-	-	9.08	-	-		-	
31	4	Industrial Blvd	16+40	RT	W1-8, W1-8	6.00	-	-	9.08	-	-		-	
32	4	Industrial Blvd	17+10	RT	W1-8, W1-8	6.0[illegible]	-	-	9.08	-	-		-	
33	4	Industrial Blvd	19+80	RT	R1-1E	-	-	7.4[illegible]	9.92	-	-		-	
34	4	Waterloo Rd	75+00	LT	RTE ASSEMBLY #3	18.[illegible]	-	-	12.25	12.25	-		-	
35	4	Waterloo Rd	79+00	LT	RTE ASSEMBLY #4	6.19	-	-	10.33	-	-		-	
36	4	Waterloo Rd	79+50	RT	R2-1E	-	-	12.00	10.92	-	-		-	55MPH
37	4	Waterloo Rd	80+50	LT	W13-3E	-	-	16.00	12.57	-	-		-	
38	5	Interstate 35	89+00	CT	R2-1F	-	-	20.00	11.92	-	-		-	75MPH
39	5	Interstate 35	89+00	LT	R2-1F	-	-	20.00	11.92	-	-		-	75MPH
40	5	Interstate 35	97+00	LT	RTE ASSEMBLY #5	-	-	13.50	11.58	-	-		-	
41	6	Interstate 35	109+00	LT	W4-2E(R)	-	-	16.00	12.57	-	-		-	
42	7	Interstate 35	124+00	LT	W4-2E(R)	-	-	16.00	12.57	-	-		-	
43	7	Interstate 35	128+00	RT	W13-2F	-	-	20.00	-	-	-		-	
44	7	Interstate 35	132+25	RT	W8-13E	-	-	9.00	11.16	-	-		-	
45	7	Ramp B	132+50	RT	W3-3E	-	-	16.00	12.57	-	-		-	
46	8	Interstate 35	144+00	RT	W4-1E(R)	-	-	16.00	12.57	-	-		-	
47	8	Ramp C	145+00	LT	W3-3E	-	-	16.00	12.57	-	-		-	
48	8	Interstate 35	146+00	LT	W8-13E	-	-	9.00	11.16	-	-		-	
49	8	Interstate 35	150+50	LT	W13-2F	-	-	20.00	-	-	-		-	
50	9	Interstate 35	170+00	RT	RTE ASSEMBLY #6	-	-	13.50	11.58	-	-		-	
51	9	Interstate 35	180+00	CT	R2-1F	-	-	20.00	11.92	-	-		-	75MPH
52	9	Interstate 35	180+00	RT	R2-1F	-	-	20.00	11.92	-	-		-	75MPH
					SUB TOTALS:	88.1	26.3	498.9	491.4	12.3	0.0	0.0	0.0	
					TOTALS:	**613.2**			**503.7**		**0.0**	**0.0**	**0.0**	

Preliminary Plans

DESIGN	RDC	3/25
DRAWN	ALM	3/25
CHECKED	CEM	3/25
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUMMARY SHEET (TRAFFIC)
(SHEET 1 OF 2)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. AT04

3/28/2025 9:13:37 AM \\garverinc.local\gdata\Projects\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\SUMQ_29843_TRAFFIC_SIGN 001.dgn

GROUND MOUNT SIGN SUMMARY

SIGN NO.	ALIGNMENT	APPROXIMATE STATION LOCATION			SIGN TYPE	SIGN DIMENSION (FT)			EXTRUDED ALUMINUM PANEL SIGNS	WF GALV. STEEL WIDE FLANGE BEAM POST			STRUCTURAL CONCRETE	REINFORCING STEEL	REMOVE & RESET GROUND MOUNTED SIGN	REMARKS
						FT	X	FT	SF	SIZE	"A" POST LF	"B" POST LF	CY	LB	EA	
									850 (B)	851 (A)			804 (A)	804 (B)	805 (D)	
1	WATERLOO RD	C.R.L	55+00	RT	Special Sign 1	6.00	X	2.00	12.00	W4 x 13	11.50	11.50	0.72	130	-	INSTALL NEW SIGN
2	BOUCHER DR	C.R.L	14+50	RT	Special Sign 2	6.00	X	2.00	12.00	W4 x 13	11.50	11.50	0.72	130	-	INSTALL NEW SIGN
3	WATERLOO RD	C.R.L.	59+00	LT	Special Sign 3	6.00	X	2.00	12.00	W4 x 13	11.50	11.50	0.72	130	-	INSTALL NEW SIGN
4	WATERLOO RD	C.R.L	64+20	RT	Special Sign 6	8.50	X	8.50	72.25	W6 x 15	18.00	18.00	1.52	212	-	INSTALL NEW SIGN
5	WATERLOO RD	C.R.L	69+15	LT	Special Sign 7	8.00	X	8.50	68.00	W6 x 15	18.00	18.00	1.52	212	-	INSTALL NEW SIGN
6	WATERLOO RD	C.R.L	74+00	RT	Special Sign 10	7.00	X	2.00	14.00	W4 x 13	11.50	11.50	0.72	130	-	INSTALL NEW SIGN
7	WATERLOO RD	C.R.L	77+00	LT	Special Sign 11	7.00	X	2.00	14.00	W4 x 13	11.50	11.50	0.72	130	-	INSTALL NEW SIGN
8	INTERSTATE 35	C.R.L	131+00	RT	Special Sign 15&16	8.00	X	5.00	40.00	W4 x 13	16.50	16.50	0.72	130	-	INSTALL NEW SIGN
						8.00	X	2.00	16.00							INSTALL NEW SIGN
9	INTERSTATE 35	C.R.L	147+75	LT	Special Sign 15&16	8.00	X	5.00	40.00	W4 x 13	16.50	16.50	0.72			INSTALL NEW SIGN
						8.00	X	2.00	16.00							INSTALL NEW SIGN
TOTAL QUANTITIES									SQ. FT.		LF	LF	CU. YDS.	POUNDS	TOTAL	
									316.25	W4x13	90.50	90.50	8.08	1 4.00	0	
										W6x15	36.00	36.00				

OVERHEAD SIGN SUMMARY

STRUCTURE NO.	ALIGNMENT	STATION LOCATION			SPECIAL SIGN No.	EXTRUDED ALUMINUM PANEL SIGNS	MONOTUBE OVHD. SN. STR. TYPE	MONOTUBE SPAN, TYPE B	MONOTUBE SPAN, TYPE C	MONOTUBE SPAN LENGTH	DRILLED SHAFTS DIAMETER	REMARKS
						850(B)		852(B)	852(E)	LF	416(A)	
						SF		EA	EA		LF	
MS-1	EBBL WATERLOO RD	RT	6+00	MONOTUBE	4	96.00	B	1	-	70	72	INSTALL MONOTUBE SPAN W/ SIGNS 4 & 5
					5	104.00						
MS-2	WBBL WATERLOO RD	LT	16+52	MONOTUBE	8	100.00	B	1	-	60	72	INSTALL MONOTUBE SPAN W/ SIGNS 8 & 9
					9	96.00						
MS-3	INTERSTATE 35	RT	110+00	MONOTUBE	12	[illegible]	C	-	1	30	36	INSTALL MONOTUBE CANTILEVER W/ SIGN 12
MS-4	INTERSTATE 35	RT	128+00	MONOTUBE	13	194.[illegible]	B	1	-	90	72	INSTALL MONOTUBE SPAN W/ SIGNS 13 & 14
					14	157.[illegible]						
MS-5	INTERSTATE 35	LT	150+50	MONOTUBE	19	19[illegible]	B	1	-	80	72	INSTALL MONOTUBE SPAN W/ SIGNS 19 & 20
					20	[illegible]2.50						
TOTALS						1210.00	-	4	1	-	324.00	

SUMMARY OF STRIPING

TYPE	LF	EA
YELLOW (PLURAL-COMPONENT)		
6" SOLID	4,814	-
6" DOUBLE SOLID	6,739	-
8" SOLID	17,855	-
12" SOLID	1,006	-
WHITE (PLURAL-COMPONENT)		
6" SOLID	20,204	-
6" DASHED	1,330	-
6" DOTTED	399	-
8" SOLID	18,290	-
8" DASHED	4,310	-
8" DOTTED	1,410	-
12" SOLID	2,000	-
24" SOLID	1,784	-
ARROWS	-	82
WORDS	-	6
BLACK (PLURAL-COMPONENT)		
8" DASHED	4,310	-
8" DOTTED	1,410	-
PAVE. MARKERS CLASS A TYPE 2-C	-	121
856(A) TRAFFIC STRIPE(PLURAL-COMPONENT) (6" WIDE)	40,225	-
856(A) TRAFFIC STRIPE(PLURAL-COMPONENT) (8" WIDE)	47,585	-
856(A) TRAFFIC STRIPE(PLURAL-COMPONENT) (12" WIDE)	3,006	-
856(A) TRAFFIC STRIPE(PLURAL-COMPONENT) (24" WIDE)	1,784	-
856(B) TRAFFIC STRIPE(PLURAL-COMPONENT) (ARROWS)	-	82
856(B) TRAFFIC STRIPE(PLURAL-COMPONENT) (SYMBOL)	-	4
856(B) TRAFFIC STRIPE(PLURAL-COMPONENT) (WORDS)	-	6
858(A) PAVE. MARKERS CLASS A TYPE 2-C	-	121

Preliminary Plans

DESIGN	RDC	3/25
DRAWN	ALM	3/25
CHECKED	CEM	3/25
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUMMARY SHEET (TRAFFIC)
(SHEET 2 OF 2)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. AT05

3/28/2025 9:13:40 AM \\garverinc.local\gdata\Projects\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\SUMQ_29843_TRAFFIC_SIGN 002.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025

PAY QUANTITIES

0330 TRAFFIC LIGHTING

ITEM NO.	CODE NO.	DESCRIPTION		UNIT	QUANTITY
516(A)	8225	DRILLED SHAFT 42" DIAMETER	(L19)	LF	120
610(A)	5200	4" CONCRETE SIDEWALK	(L19)	SY	85.08
802(A)	0240	2" GALV. STEEL ELECTRICAL CONDUIT EXPOSED	(L1)(L3)(L5)(L15)(L18)	LF	5,000
802(B)	0324	2" PVC SCH. 40 PLASTIC CONDUIT TRENCHED	(L15)(L18)	LF	3,800
802(B)	0325	2" PVC SCH. 80 PLASTIC CONDUIT TRENCHED	(L15)(L18)	LF	1,800
803(A)	1200	PULL BOX	(L6)(L7)	EA	52
803(A)	1220	PULL BOX (SIZE II)	(L6)	EA	4
804(A)	2200	STRUCTURAL CONCRETE	(TL-9)(L5)	CY	25.30
804(B)	2300	REINFORCING STEEL	(TL-10)(L17)	LB	4,866
806(C)	4504	40' MTG. HT. POLE & 6' HLMA (G. STL)	(L8)(L10)(L11)(L13)(L20)	EA	6
806(C)	4524	40' MTG. HT. POLE & TWIN H.L. MST. ARM (G. STL)	(L8)(L9)(L10)(L11)(L13)(L21)	EA	23
807	5110	BREAKAWAY BASE (DES. A)		EA	6
809(A)	7200	ROADWAY LUMINAIRE	(L14)(L22)	EA	52
809(B)	7300	UNDERPASS LUMINAIRE	(L14)(L22)	EA	4
809(E)	7400	HIGH MAST LUMINAIRE	(L14)(L23)	EA	20
810(A)	8200	SERVICE POLE	(TL-35)(L4)(L12)	EA	2
811	9120	1/C NO. 6 ELECTRICAL CONDUCTOR	(L18)	LF	22,500
811	9125	1/C NO. 8 ELECTRICAL CONDUCTOR	(L18)	LF	9,250
811	9130	1/C NO. 10 ELECTRICAL CONDUCTOR	(L18)	LF	13,500
812	0150	150' HIGH MAST POLE (G. STL)	(L2)(L11)(L13)	EA	4
813	1100	HIGH MAST LOWERING DEVICE TYPE I	(L16)	EA	4

ODOT TRAFFIC NOTES:

(TL-9) QUANTITIES INCLUDE STRUCTURAL CONCRETE TO BE USED FOR THE FOLLOWING:
GROUND MOUNTED FOOTINGS 8 x 1.64 C.Y. = 13.12 C.Y.
BARRIER MOUNTED FOOTINGS 21 x 0.58 C.Y. = 12.18 C.Y.
BLOCKOUTS FOR FOOTINGS 0 x 0 C.Y. = 0 C.Y.

TOTAL OF STRUCTURAL CONCRETE = 25.30 C.Y.

(TL-10) QUANTITIES INCLUDE REINFORCING STEEL TO BE USED FOR THE FOLLOWING:
GROUND MOUNTED FOOTINGS 8 X 284 LBS. = 2,272 LBS.
BARRIER MOUNTED FOOTINGS 21 X 123.53 LBS. = 2,594.13 LBS.
BLOCKOUTS FOR FOOTINGS 0 X 0 LBS. = 0 LBS.

TOTAL OF REINFORCING STEEL = 4,866.13 LBS.

(TL-16) 40' MTG. HT. POLES WITH 6' HLMA (G.STL.) ARE TO BE MOUNTED ON BREAKAWAY BASES. SEE STD.'S GMF1-2, HLBP1-1, HLGN1-1, AND PPD1-2-(LATEST REVISIONS) AND LIGHT POLE SCH'S.

(TL-35) SEE SERVICE POLE SCHEDULE; FOR ADDITIONAL INFORMATION CONCERNING THE SERVICE POLE, CONTACT THE FOLLOWING PRIOR TO INSTALLATION:
PERSON'S NAME: KAHLER SMITH
WITH THE COMPANY/CITY OF: PSO
COMPANY'S/CITY'S TELEPHONE NO: 580-331-3268

PAY ITEM NOTES:

(L1) CONDUIT ENCASED IN MEDIAN BARRIER SHALL BE PAID FOR UNDER THE CONDUIT EXPOSED PAY ITEM. QUANTITY INCLUDES 100 LF OF 2" GALVANIZED STEEL ELECTRICAL CONDUIT EXPOSED (NON-ENCASED), AND 4900 LF OF CONDUIT ENCASED IN THE MEDIAN BARRIER.

(L2) THE GROUNDING SYSTEM FOR THE HIGH MAST LUMINAIRES SHALL BE SUBSIDIARY TO HIGH MAST POLES AND SHALL INCLUDE: 3/4" x 10' GROUND RODS, #6 BARE COPPER GROUNG WIRE, EXOTHERMIC WELDS, AND GROUND LUGS FOR THE HIGH MAST LIGHTING. SEPARATE PAYMENT WILL NOT BE MADE FOR POLE LOCATION SPECIFIC GROUNDING ITEMS. EQUIPMENT GROUNDING CONDUCTOR SHALL BE PAID FOR SEPARATELY.

(L3) CONDUIT EXPANSION DEVICES AND GROUND STRAPS SHALL BE SUBSIDIARY TO CONDUIT PAY ITEM.

(L4) PVC COATED GRSC SHALL BE SUBSIDIARY TO SERVICE POLE PAY ITEM. SEE EQUIPMENT RACK MOUNTING DETAILS FOR LOCATIONS TO BE INSTALLED.

(L5) SEE SAFETY BARRIER LIGHT POLE FOOTING DETAILS (DESIGN NO. 1), ODOT DETAIL BMF1-2, FOR ADDITIONAL INFORMATION. UTILIZE DESIGN 1.

(L6) ALL TERMINAL BLOCKS AND ASSOCIATED EQUIPMENT SHALL BE SUBSIDIARY TO PULL BOX PAY ITEM. SEE LIGHTING DETAILS FOR MORE INFORMATION.

(L7) ALL MEDIAN BARRIER PULL BOXES SHALL BE NEMA 4 GALVANIZED STEEL WITH TAMPERPROOF COVERS AND SCREWS.

(L8) REFER TO LIGHT POLE LOCATION TABLE AND NOTES FOR POLE SPECIFICS INCLUDING TYPE, LENGTH, AND APPEARANCE.

(L9) THIS PAY ITEM SHALL INCLUDE PAYMENT FOR POLES WHICH INCLUDE TWIN 6 FOOT TENON ARMS.

(L10) THE GROUNDING SYSTEM FOR THE ROADWAY LUMINAIRES SHALL BE SUBSIDIARY TO ROADWAY LUMINAIRE POLES AND SHALL INCLUDE: 3/4" x 10' GROUND RODS, BARE COPPER GROUNG WIRE, EXOTHERMIC WELDS, AND GROUND LUGS FOR THE ROADWAY LIGHTING. SEPARATE PAYMENT WILL NOT BE MADE FOR POLE LOCATION SPECIFIC GROUNDING ITEMS. EQUIPMENT GROUNDING CONDUCTOR SHALL BE PAID FOR SEPARATELY.

(L11) ALL NECESSARY MOUNTING HARDWARE AND CONDUIT FROM PULL BOX TO LIGHT POLE BASE SHALL BE SUBSIDIARY TO LIGHT POLE INSTALLATION PAY ITEM.

(L12) SERVICE POLE PAY ITEM SHALL INCLUDE PAYMENT FOR ALL ITEMS TO CONSTRUCT IN PLACE EQUIPMENT RACKS AS DESCRIBED HEREIN; ALL MATERIAL AND EQUIPMENT LOCATED PHYSICALLY ON EACH RACK TO BE FURNISHED, INSTALLED, AND TESTED AS DESCRIBED HEREIN (INCLUDING PHOTOELECTRIC CELL MOUNTED ON EQUIPMENT RACK STRUCTURE) AND SECONDARY ELECTRIC UTILITY CONNECTIONS REQUIRED TO POWER SAID RACK. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY FOR EXTENSION TO BE PROVIDED FOR BY OWNER OUTSIDE OF THIS CONTRACT. THE SERVICE POLE PAY ITEM SHALL INCLUDE ARC FLASH ANALYSIS AT EACH LOCATION AND PHOTOMETRIC TESTING OF THE ENTIRE PROJECT EXTENTS AS OUTLINED IN THE PLANS HANDBOOK. PAYMENT OF STRUCTURAL CONCRETE AND REINFORCING STEEL FOR EACH POWER RACK SHALL BE SUBSIDIARY TO SERVICE POLE PAY ITEM. SEPARATE PAYMENT WILL NOT BE MADE FOR CONCRETE OR STEEL AT THIS LOCATION.

(L13) 1/C NO. 8 ELECTRICAL CONDUCTORS SHALL ONLY BE INSTALLED FROM THE PULLBOX UP THE POLE AND TO THE LIGHT FIXTURES ON HIGH MAST AND ROADWAY POLES. THIS SHALL BE SUBSIDIARY TO POLE PAY ITEM.

(L14) REFER TO LIGHT FIXTURE SCHEDULE FOR LUMINAIRE SPECIFICS.

(L15) ALL WARNING TAPE, CONDUIT CLAMPS, FITTINGS, SWEEPS, TRENCHING, BORING, AND OTHER NECESSARY ITEMS FOR ROUTING CONDUIT AS SHOWN ON PLANS SHALL BE SUBSIDIARY TO CONDUIT PAY ITEM.

(L16) THIS PAY ITEM SHALL INCLUDE HOOK UP OF POWER TO LOWERING DEVICE AND CONNECTING DEVICE TO HIGH MAST POLE.

(L17) SEE LIGHT POLE FOOTING DETAILS FOR ADDITIONAL INFORMATION. REFER TO ODOT DETAILS BMF1-2 AND GMF1-2.

(L18) LABOR QUANTITY ELECTRICAL OF ITEMS INCLUDE 10% CONTINGENCY FOR ELEVATION CHANGES, WIRE TERMINATION, VERTICAL TRANSITION AREAS, AND OTHER INCIDENTAL ITEMS.

(L19) SEE HIGH MAST FOOTING DETAIL, ODOT DETAIL HMF1-1, FOR ADDITIONAL INFORMATION. 6'-6" WIDE SIDEWALK WAS USED FOR DESIGN.

(L20) TWO HANDHOLES WILL BE REQUIRED ON EACH OF THESE POLES. SEE TYPICAL PIER MOUNTED LIGHT POLE DETAIL, SHT. NO. T178, AND LIGHT POLE SCH.

(L21) 40' MTG. HT. POLES WITH & 6' HLMA (G.STL.) ARE TO BE MOUNTED ON BREAKAWAY BASES. SEE STD.'S HLP1-1, HLP2-1, AND HLP3-1-(LATEST REVISIONS) AND LIGHT POLE SCH'S.

(L22) 42 - ROADWAY LUMINAIRES SHALL BE 143 WATT LIGHT EMITTING DIODE, WITH CLEAR LAMP OF 20,115 LUMENS, ILLUMINATION ENGINEERING SOCIETY DISTRIBUTION AS FOLLOWS:

VERTICAL = R3; LATERAL = TYPE SHORT; CONTROL = PEC;
O.D.O.T. FIXTURE STYLE = A3. SEE STD. HLD1-1-(LATEST REVISION).

10 - ROADWAY LUMINAIRES SHALL BE 155 WATT LIGHT EMITTING DIODE, WITH CLEAR LAMP OF 23,470 LUMENS, ILLUMINATION ENGINEERING SOCIETY DISTRIBUTION AS FOLLOWS:

VERTICAL = R3; LATERAL = TYPE MEDIUM; CONTROL = PEC; O.D.O.T. FIXTURE STYLE = A3. SEE STD. HLD1-1-(LATEST REVISION).

4 - UNDERPASS LUMINAIRES SHALL BE 72 WATT LIGHT EMITTING DIODE, WITH CLEAR LAMP OF 6,494 LUMENS, ILLUMINATION ENGINEERING SOCIETY DISTRIBUTION AS FOLLOWS:

VERTICAL = R3; LATERAL = TYPE MEDIUM; CONTROL = PEC;
O.D.O.T. FIXTURE STYLE = A3. SEE STD. HLD1-1-(LATEST REVISION).

(L23) INCLUDES THE FOLLOWING ITEMS:
20 - HIGH MAST ASYMMETRIC DISTRIBUTION LUMINAIRES. FIXTURES SHALL BE LIGHT EMITTING DIODE, CLEAR LAMP, 85,000 LUMENS, SIMILAR TO A HOLOPHANE MGLED P4 30K MR, OR APPROVED EQUAL.

TRAFFIC LIGHTING GENERAL CONSTRUCTION NOTES:

SYMBOLS AND LEGENDS ARE DIAGRAMMATIC ONLY AND LOCATIONS SHALL BE ADJUSTED FOR EXISTING FIELD CONDITIONS, BUT NO MAJOR ALTERATIONS OR RELOCATIONS WILL BE MADE WITHOUT FIRST CONSULTING WITH THE TRAFFIC ENGINEER DIVISION AT (405) 521-2861.

ALL BROKEN CONCRETE, WASTE MATERIAL, AND DEBRIS SHALL BECOME THE PROPERTY OF THE CONTRACTOR, AND SHALL BE REMOVED FROM THE LIMITS OF THE PROJECT AND DISPOSED OF IN AN AREA APPROVED BY THE ENGINEER. NO PAYMENT WILL BE MADE FOR THE DISPOSAL OF THIS MATERIAL.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE HE MAY INFLICT TO THE EXISTING UNDERGROUND UTILITIES WITHIN THE PROJECT AREA AS A RESULT OF HIS DIGGING, TRENCHING, BORING, ETC.... PRIOR TO DIGGING NEAR THE UTILITIES, THE CONTRACTOR SHALL CALL FOR A LIST OF ALL UNDERGROUND FACILITIES REGISTERED IN THE AREA OF CONSTRUCTION LISTED WITH THE FOLLOWING AGENCIES:
THE "OKIE" NOTIFICATION CENTER 811 OR 1-800-522-6543 OR WWW.CALLOKIE .COM OR THE LOCAL COUNTY CLERK'S OFFICE.

DEPTH OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

ALL MATERIALS, EQUIPMENT AND LABOR NECESSARY TO MAKE THE ELECTRICAL CONNECTIONS TO THE EXISTING OVERHEAD SIGN STRUCTURES AND LIGHTS WILL BE PAID FOR AT THE UNIT PRICE BID FOR THE REQUIRED MATERIALS USED TO MAKE THE COMPLETED CONNECTIONS.

THE CONTRACTOR SHALL CONTACT THE BRIDGE DIVISION OF THE OKLAHOMA DEPARTMENT OF TRANSPORTATION FOR QUESTIONS CONCERNING COMPLIANCE AND INTERPRETATIONS TO THE A.A.S.H.T.O. "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS".

THE LIGHT POLE NUMBER PLATES WILL BE FURNISHED TO THE CONTRACTOR BY OG&E. THE POLES IN THE MEDIAN SHALL HAVE THE NUMBERS INSTALLED ON THE EAST SIDE OF THE LIGHT POLE. ALL OTHER POLES WILL BE READABLE FROM THE STREET SIDE OF THE POLE. THE CONTRACTOR SHALL INSTALL THESE NUMBER PLATES AS PER OG&E'S RECOMMENDATIONS AFTER THE POLES ARE ERECTED.

PRIOR TO OG&E PROVIDING THE LIGHT POLE NUMBER PLATES THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH TWO SETS OF FINAL "AS BUILT" PLANS. ALL COST FOR INSTALLING THE NUMBERS AND PROVIDING THE PLANS SHALL BE INCLUDED IN OTHER ITEMS OF WORK. THE ENGINEER WILL MAIL ONE SET OF THE "AS BUILT" PLANS TO:

OKLAHOMA GAS AND ELECTRIC COMPANY
321 N HARVERY AVE
OKLAHOMA CITY, OK 73102

THE CONTRACTOR SHALL COOPERATE WITH THE ENGINEER, THE CITY AND THE LOCAL UTILITY CO. TO KEEP THE EXISTING LIGHTING SYSTEM IN SERVICE AS MUCH AS POSSIBLE WHILE DOING THE WORK SPECIFIED BY THIS CONTRACT. IF TEMPORARY CONNECTIONS ARE FEASIBLE AND JUSTIFIABLE, THE ENGINEER MAY REQUIRE THAT THE CONTRACTOR PROVIDE THESE TEMPORARY POWER CONNECTIONS. TEMPORARY CONNECTIONS WILL BE PAID FOR AT THE UNIT BID FOR THE MATERIALS USED.

THE ITEMS THAT ARE TO BE REMOVED AND/OR RESET SHALL BE HANDLED WITH CARE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE OCCURRING DURING THESE OPERATIONS.

THE ANCHOR BOLTS SIZE AND CONFIGURATION SHALL BE VERIFIED BY THE CONTRACTOR SO THAT THE NEW LIGHT POLES BASE PLATES WILL BE BUILT TO FIT ANY EXISTING POLE FOOTING. IN THE EVENT ANY EXISTING POLE FOOTING REQUIRES MODIFICATION TO ACCOMMODATE THE NEW LIGHT POLE OR IF ANY LIGHT POLE BASE PLATE REQUIRES MODIFICATION, THE CONTRACTOR SHALL SUBMIT DRAWINGS OF THE MODIFICATIONS TO THE BRIDGE DIVISION FOR APPROVAL BEFORE PERFORMING THE MODIFICATIONS. ALL COST FOR THE MODIFICATIONS SHALL BE INCLUDED IN OTHER ITEMS OF WORK.

THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A BOLT CIRCLE TEMPLATE(S). THE TEMPLATE(S) SHALL BE 1/4" THICK STEEL PLATE(S), AND BE PERMANENTLY LABELED WITH THE CONTRACTOR'S COMPANY NAME, BOLT CIRCLE DIAMETER AND THE ANCHOR BOLT DIAMETER. THE COST OF THE TEMPLATE(S) SHALL BE PAID FOR IN OTHER ITEMS OF WORK.

THE PROJECT ENGINEER SHALL BE RESPONSIBLE FOR COORDINATING THE EXISTING PROJECT(S) WITH PROJECT ENGINEER, SO THAT CONSTRUCTION WORK CAN BE MAINTAINED ON ALL PERTAINING PROJECTS.

PRIOR TO CONSTRUCTION OF FOOTINGS THE CONTRACTOR SHALL VISUALLY INSPECT THE PLAN LOCATION OF ALL HIGH MAST TOWERS AND CONVENTIONAL LIGHT POLES FOR PROPER OVERHEAD WIRE CLEARANCE. THESE CLEARANCES SHALL BE IN ACCORDANCE TO THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) SECTION 1910. THERE SHALL BE A MINIMUM RADII OF 10 FOOT CLEARANCE OF ANY OVERHEAD LINES FROM THE CLOSEST POINT ON THE LIGHT POLE. ANY NEW FOOTINGS PUT IN CLOSER THAN THIS 10 FOOT MINIMUM SHALL BE RELOCATED AT THE EXPENSE OF THE CONTRACTOR, INCLUDING REMOVAL OF THE FOOTING AND ALL MATERIALS TO CONSTRUCT THE NEW FOOTING.

Preliminary Plans

DESIGN	JKS	10/24
DRAWN	ZJD	10/24
CHECKED	WBG	10/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUMMARY OF PAY QUANTITIES AND NOTES (LIGHTING)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. AT06

3/28/2025 1:15:19 PM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_LP_0000_Quantity Summary.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025

SERVICE POLE SCHEDULE

SERVICE POLE	NORTHING	EASTING	SECONDARY VOLTAGE AND NO. PHASE	NO. OF POLES/CONTROLLER	AMPERE RATING OF CONTACTS	CIRCUIT ID.	ESTIMATED AMPS/CIRCUIT	MIN. BREAKER SIZE	METER	VOLTAGE DROP PER CIRCUIT*
				EA	EA	EA	AMP	AMP	EA	EA
I-35/WATERLOO-SP1	264241.47	2142083.31	3 WIRE 480V - 1	1	100	SP1-A	3.26	20	1	1.43%
						SP1-B	5.1	20		1.97%
						SP1-C	4.1	20		2.24%
						SP1-D	4.1	20		2.74%
						SP1-E	5.6	20		1.12%
I-35/WATERLOO-SP2	264332.84	2141355.07	3 WIRE 480V - 1	1	100	SP2-A	4.1	20	1	2.88%
						SP2-B	5.1	20		2.11%
						SP2-C	10.3	20		2.40%
						SP2-D	1.4	20		0.49%
						SP2-E	4.1	20		0.69%
			TOTAL:	2					2	

HIGH MAST LIGHT POLE SCHEDULE

LIGHT POLE ID NO.	NORTHING	EASTING	TOP OF SHAFT ELEVATION	LUMINAIRE 571W, 480V, CAT. NO. MGLED P7 40K AR HSS	150' HIGH MAST POLE (G. STL.)	HIGH MAST LOWERING DEVICE TYPE 1	DRILLED SHAFT 42" DIAMETER	PULL BOX (SIZE 2)	4" CONCRETE SIDEWALK	1/C NO. 6 ELECTRICAL CONDUCTOR	1/C NO. 8 ELECTRICAL CONDUCTOR
				809(E)	812	813	516(A)	803(A)	610(A)	811	811
				EA	EA	EA	LF	EA	SY	LF	LF
HM-10	263902.07	2141844.72		5	1	1	31	1	21.27	1500	500
HM-11	264552.06	2141932.72		5	1	1	40	1	21.27	1500	500
HM-16	264991.56	2141689.72		5	1	1	31	1	21.27	1500	500
HM-29	264344.28	2141587.72		5	1	1	18	1	21.27	1500	500
			TOTAL:	20	4	4	120	4	85.08	6000	2000

LIGHT POLE SCHEDULE

LIGHT POLE ID NO.	ALIGNMENT	STATION	OFFSET	40' MTG HT. POLE & TWIN 6' HL. MST. ARM (G. STL)	40' MTG HT. POLE & 6' HLMA (G. STL)	1/C NO. 6 ELECTRICAL CONDUCTOR	1/C NO. 8 ELECTRICAL CONDUCTOR	1/C NO. 10 ELECTRICAL CONDUCTOR	STRUCTURAL CONCRETE	REINFORCING STEEL	LUMINAIRE 142W, 480V, CAT. NO. VFLED-G-CA2-140-7 VFLED-U-T3-AP-20K-PR7	LUMINAIRE 154W, 480V, CAT. NO. MGLED [illegible] 30K XXX-MR	PULL BOX (BACKNER)	POLE ON [illegible] MOUNT	POLE ON GROUND MOUNT	BREAKAWAY BASE	POLE SHAPE
				806(C)	806(C)	811	811	811	804(A)	804(B)	809(A)	809(A)	803(A)			807	
				EA	EA	LF	LF	LF	CY	LB	EA	EA	EA			EA	
LP-1	I-35	115+00	N/A	1	-	569	250	393	[illegible]	123.53	2	-	1	1	-	-	ROUND
LP-2	I-35	116+90.36	N/A	1	-	569	250	393	0.58	123.53	2	-	1	1	-	-	ROUND
LP-3	I-35	118+80.38	N/A	1	-	569	250	393	0.58	123.53	2	-	1	1	-	-	ROUND
LP-4	I-35	120+70.36	N/A	1	-	569	250	393	0.58	123.53	2	-	1	1	-	-	ROUND
LP-5	I-35	122+60.40	N/A	1	-	569	[illegible]	393	0.58	123.53	2	-	1	1	-	-	ROUND
LP-6	I-35	124+50.37	N/A	1	-	569	250	393	0.58	123.53	2	-	1	1	-	-	ROUND
LP-7	I-35	126+40.37	N/A	1	-	569	250	393	0.58	123.53	2	-	1	1	-	-	ROUND
LP-8	I-35	128+30.36	N/A	1	-	569	250	393	0.58	123.53	2	-	1	1	-	-	ROUND
LP-9	I-35	128+30.36	N/A	1	-	569	250	393	0.58	123.53	2	-	1	1	-	-	ROUND
LP-17	I-35	147+90.71	N/A	1	-	569	250	393	0.58	123.53	2	-	1	1	-	-	ROUND
LP-18	I-35	149+57.39	N/A	1	-	569	250	393	0.58	123.53	2	-	1	1	-	-	ROUND
LP-19	I-35	151+31.75	N/A	1	-	569	250	393	0.58	123.53	2	-	1	1	-	-	ROUND
LP-20	I-35	152+84.21	N/A	1	-	569	250	393	0.58	123.53	2	-	1	1	-	-	ROUND
LP-21	I-35	154+58.99	N/A	1	-	569	250	393	0.58	123.53	2	-	1	1	-	-	ROUND
LP-22	I-35	156+14.15	N/A	1	-	569	250	393	0.58	123.53	2	-	1	1	-	-	ROUND
LP-23	I-35	157+74.62	N/A	1	-	569	250	393	0.58	123.53	2	-	1	1	-	-	ROUND
LP-24	I-35	159+30.56	N/A	1	-	569	250	393	0.58	123.53	2	-	1	1	-	-	ROUND
LP-25	I-35	161+20.79	N/A	1	-	569	250	393	0.58	123.53	2	-	1	1	-	-	ROUND
LP-26	I-35	163+13.37	N/A	1	-	569	250	393	0.58	123.53	2	-	1	1	-	-	ROUND
LP-27	I-35	165+07.24	N/A	1	-	569	250	393	0.58	123.53	2	-	1	1	-	-	ROUND
LP-28	I-35	166+89.17	N/A	1	-	569	250	393	0.58	123.53	2	-	1	1	-	-	ROUND
LP-30	WATERLOO	61+65.24	05.98' RT	1	-	569	250	393	1.64	284	-	2	-	-	1	-	ROUND
LP-31	WATERLOO	59+73.56	56.62' LT	-	1	569	250	393	1.64	284	-	1	-	-	1	1	ROUND
LP-32	WATERLOO	59+70.47	60.41' RT	-	1	569	250	393	1.64	284	-	1	-	-	1	1	ROUND
LP-33	WATERLOO	57+67.68	52.63' LT	-	1	569	250	393	1.64	284	-	1	-	-	1	1	ROUND
LP-34	WATERLOO	57+64.21	57.89' RT	-	1	569	250	393	1.64	284	-	1	-	-	1	1	ROUND
LP-35	WATERLOO	71+57.91	04.14' RT	1	-	569	250	393	1.64	284	-	2	-	-	1	-	ROUND
LP-36	WATERLOO	73+75.67	42.94' RT	-	1	569	250	393	1.64	284	-	1	-	-	1	1	ROUND
LP-37	WATERLOO	73+79.86	43.29' LT	-	1	569	250	393	1.64	284	-	1	-	-	1	1	ROUND
TOTAL:				23	6	16500	7250	11400	25.30	4866.13	42	10	21	21	8	6	

UNDERPASS LIGHT SCHEDULE

LIGHT ID NO.	ALIGNMENT	STATION	OFFSET	LUMINAIRE 95W, 480V, CAT. NO. HLWPC2 P40 40K XX T3M	1/C NO. 10 ELECTRICAL CONDUCTOR
				809(B)	811
				EA	LF
UP-12	I-35	66+95.91	53.15' RT	1	525
UP-13	I-35	66+23.83	53.16' RT	1	525
UP-14	I-35	66+95.87	42.44' LT	1	525
UP-15	I-35	66+23.63	42.44' LT	1	525
			TOTAL:	4	2100

Preliminary Plans

DESIGN	CJH	10/24
DRAWN	ZJD	10/24
CHECKED	WBG	10/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUMMARY SHEET (LIGHTING)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. AT07

3/28/2025 9:13:46 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_LP_0001_Quantity Breakdown.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025

PAY QUANTITIES

TRAFFIC SIGNALS

ITEM NO.	CODE NO.			UNIT	QUANTITY
802(B)	0308	1" PVC SCH. 40 PLASTIC CONDUIT TRENCHED	(TP-1)	L.F.	20
802(B)	0324	2" PVC SCH. 40 PLASTIC CONDUIT TRENCHED	(TP-1)	L.F.	606
802(B)	0328	3" PVC SCH. 40 PLASTIC CONDUIT BORED	(TP-1)	L.F.	1042
802(B)	0332	3" PVC SCH. 40 PLASTIC CONDUIT TRENCHED	(TP-1)	L.F.	1256
803(A)	1210	PULL BOX (SIZE I)		EA.	20
803(A)	1220	PULL BOX (SIZE II)		EA.	4
804(A)	2200	STRUCTURAL CONCRETE		C.Y.	67.6
804(B)	2300	REINFORCING STEEL		LB.	9686.2
805(A)	3256	(PL) REMOVAL OF TRAFFIC SIGNAL EQUIPMENT	(TR-24)	LSUM	1.00
806(A)	4244	32' MH POLE & 30' TS & 10' LMA(G.STL.)		EA.	3
806(A)	4248	32' MH POLE & 35' TS & 10' LMA(G.STL.)		EA.	2
806(A)	4252	32' MH POLE & 40' TS & 10' LMA(G.STL.)		EA.	4
806(A)	4260	32' MH POLE & 50' TS & 10' LMA(G.STL.)		EA.	1
806(A)	4264	32' MH POLE & 55' TS & 10' LMA(G.STL.)		EA.	2
806(B)	4408	10' MTG. HT. TS PED POLE (G. STL.)		EA.	11
806(B)	4420	15' MTG. HT. TS PED POLE (G. STL.)		EA.	2
809(A)	7200	ROADWAY LUMINAIRE			4
810(A)	8200	SERVICE POLE		EA.	2
811	9120	1/C NO.6 ELECT.COND.	(TP-1)	L.F.	50
823	6110	(SP) TRAFFIC SIGNAL SPAN WIRE EQUIPMENT	(1)(2)(3)	LSUM	1.00
825	8100	TRAFFIC SIGNAL CONTROLLER ASSEMBLY	(TR-10)	EA.	2
828	100	(PL)DETECTION SYSTEM (VIDEO)		LSUM	1.00
830	2100	PEDESTRIAN PUSH BUTTON		EA.	18
831	3116	1WAY2SEC.ADJ.PED.SIG.HD.S-20		EA.	18
831	3120	1 WAY 3 SEC ADJ.SIG.HD. S-6		EA.	9
831	3124	1 WAY 3 SEC ADJ.SIG.HD. S-9		EA.	6
831	3128	1 WAY 3 SEC ADJ.SIG.HD. S-10		EA.	6
831	3132	1 WAY 3 SEC ADJ.SIG. HD. S-11		EA.	10
831	3144	1 WAY 4 SEC ADJ.SIG. HD. S-13		EA.	4
833	5100	BACKPLATE		EA.	35
834(A)	6205	5/C TRAFFIC SIGNAL ELECTRICAL CABLE	(TP-1)	L.F.	5610
834(A)	6210	7/C TRAFFIC SIGNAL ELECTRICAL CABLE	(TP-1)	L.F.	265
834(A)	6225	15/C TRAFFIC SIGNAL ELECTRICAL CABLE	(TP-1)	L.F.	3905
834(A)	6235	21/C TRAFFIC SIGNAL ELECTRICAL CABLE	(TP-1)	L.F.	30
834(B)	6300	2/C SHIELDED LOOP DETECTOR LEAD-IN CABLE	(TP-1)	L.F.	434
840(A)	0200	E.P.S. OPTICAL DETECTOR		EA.	12
840(C)	0400	E.P.S. OPTICAL DETECTOR CABLE	(TP-1)	L.F.	4655
840(D)	0500	E.P.S. 2 CHANNEL PHASE SELECTOR		EA.	12
850(C)	1400	MAST ARM MOUNTED SIGNS (ALUM.)		S.F.	166.5

TRAFFIC SIGNAL GENERAL CONSTRUCTION NOTES

THE STRUCTURAL DESIGN OF ALL POLES, MAST ARMS, HIGH-MAST POLES, AND OTHER SUPPORTS FOR SIGNS, LUMINAIRES, AND SIGNALS AS WELL AS THEIR CONNECTIONS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS. THE MANUFACTURER SHALL ENSURE THE FOLLOWING ARE APPLIED TO THE DESIGN:

THE MINIMUM DESIGN WIND SPEED AND DESIGN LIFE AS REQUIRED IN THE AASHTO SPECIFICATIONS;

THE CALCULATED STRESSES AND FORCES FROM THE DESIGN LOADINGS DO NOT EXCEED THOSE REQUIRED IN THE AASHTO SPECIFICATIONS;

A CATEGORY I FATIGUE IMPORTANCE FACTOR (I) FOR ALL STRUCTURES; NO VIBRATORY MITIGATION SHALL BE ALLOWED. TRUCK-INDUCED GUSTS SHALL BE APPLIED TO ALL OVERHEAD TRAFFIC SIGNAL SUPPORTS.

ALL MEMBERS ARE AT LEAST THE MINIMUM THICKNESS AS REQUIRED IN THE AASHTO SPECIFICATIONS;

LUMINAIRE MAST ARMS SHALL BE DESIGNED TO SUPPORT AT LEAST A 50 LB. (22.7 KG) LUMINAIRE WITH AN EFFECTIVE PROJECTED AREA OF 2.5 FT2 (0.23 M²);

THE ANCHOR BOLT DESIGN AND AMOUNT OF ANCHOR BOLTS TO BE USED SHALL BE AS REQUIRED IN THE AASHTO SPECIFICATIONS.

SIGNAL MAST ARMS AND POLES SHALL BE DESIGNED FOR SPECIFIC SIGNAL HEAD AND SIGN PLACEMENT.

UNLESS SITE SPECIFIC GEOTECHNICAL DATA IS AVAILABLE, FOUNDATIONS SHALL BE DESIGNED UTILIZING THESE PARAMETERS; SHEAR STRENGTH OF COHESIVE SOIL (C) OF 500 PSF, ANGLE OF INTERNAL FRICTION (ϕ) OF 22 DEGREES, AND EFFECTIVE UNIT WEIGHT OF SOIL (Γ) OF 120 PCF.

MINIMUM HAND HOLE SIZE OF 3 INCH WIDTH BY 5 INCH HEIGHT.

PAY QUANTITY NOTES

(TS-6) SHOP DRAWINGS FOR ATTACHING SIGNS TO LIGHT AND/OR SIGNAL POLES AND MAST ARMS SHALL BE SUBMITTED TO THE TRAFFIC ENGINEER FOR APPROVAL BEFORE FABRICATION. NO HOLES SHALL BE PERMITTED IN ANY LIGHT AND/OR SIGNAL POLE OR MAST ARM. THE PRICE BID SHALL INCLUDE ALL MATERIALS, LABOR, HARDWARE AND INCIDENTALS NECESSARY TO COMPLETE THE WORK AS DESCRIBED.

(TR-8) THE CONTROLLER AND CONFLICT MONITOR SHALL MEET THE LATEST N.E.M.A. SPECIFICATION. THE CONTRACTOR SHALL FURNISH A PRETIMED SOLID STATE DIGITAL MICRO-PROCESSOR CONTROLLER WITH C.M.O.A. LOGIC CIRCUITRY. THE CONTROLLER TO BE FURNISHED SHALL BE DESIGNED TO FUNCTION AT AN ISOLATED INTERSECTION OR IN A COORDINATED SYSTEM OR AS A MASTER CONTROLLER. THE UNIT SHALL FEATURE FOUR DIAL FUNCTIONS WITH THREE OFFSETS, AND UP TO 24 INTERVALS PER DIAL.

(TR-10) THE CONTROLLERS TO BE FURNISHED ON THIS PROJECT SHALL BE 8 PHASE VEHICLE ACTUATED SOLID STATE DIGITAL TRAFFIC SIGNAL CONTROLLERS. A MINIMUM OF 16 LOAD SWITCH RECEPTACLES SHALL BE FURNISHED AND WIRED TO THE MOUNTING FRAMES. THE CONTROLLER SHALL BE CAPABLE OF PERFORMING AS SHOWN ON THE PHASE AND SEQUENCE DIAGRAM.
PEDESTRIAN ISOLATION SHALL BE PROVIDED IN THE CONTROLLER CABINET. ALL N.E.M.A. FUNCTIONS SHALL TERMINATE IN THE CONTROLLER CABINET.

(TR-24) ALL TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE CITY. THE CONTRACTOR SHALL NEATLY STACK SUCH REMOVED MATERIAL AT A LOCATION ON THE JOB SITE AS DIRECTED BY THE ENGINEER. THE PRICE BID SHALL INCLUDE THE REMOVAL OF ALL FOOTINGS BELOW GROUND LEVEL OR AS DIRECTED BY THE ENGINEER. FOOTINGS TO BECOME THE PROPERTY OF THE CONTRACTOR.

(TL-24) 12- ROADWAY LUMINAIRES SHALL BE 250 WATT HIGH PRESSURE SODIUM, WITH CLEAR LAMP OF 28,000 LUMENS, ILLUMINATION ENGINEERING SOCIETY DISTRIBUTION AS FOLLOWS:
VERTICAL = MEDIUM; LATERAL = TYPE 3; CONTROL = SEMI;
O.D.O.T. FIXTURE STYLE = A1. SEE STD. HLD1-1-(LATEST REVISION).

(TP-1) PAYMENT FOR THIS ITEM WILL BE BASED ON PLAN QUANTITY. SEE THE 2009 SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

(1) SP IS NOT REQUIRED FOR THIS ITEM. SEE STANDARD DRAWINGS SW-1-1 FOR ITEMS NECESSARY FOR CONSTRUCTION OF THE SPAN WIRE SIGNAL.

(2) 40' WOOD POLES ARE REQUIRED FOR THE SPAN WIRE INSTALLATION. SIGNAL MOUNTING HEIGHTS WILL NEED TO BE ADJUSTED IN THE FIELD BASED ON ACTUAL CONDITIONS AND SAG OF THE LINE.

(3) THIS QUANTITY SHALL COVER THE INSTALLATION AND MODIFICATIONS OF THE SPAN WIRE TRAFFIC SIGNAL SYSTEMS AT THE I-35 RAMPS AT WATERLOO INTERCHANGE. COST INCLUDES FURNISHING MATERIALS, LABOR, EQUIPMENT, AND INCIDENTALS NECESSARY TO COMPLETE THE WORK AS SHOWN IN THE PLANS.

Preliminary Plans

DESIGN	AS	03/25
DRAWN	AS	03/25
CHECKED	CEM	03/25
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUMMARY OF PAY QUANTITIES AND NOTES (TRAFFIC SIGNALS)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. AT08

3/28/2025 10:57:28 AM \\garverinc.local\gdata\Projects\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_SUMPAY_SIGNAL.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/26/2025

SCALE 1" = 15'

PROPOSED RCB

PROPOSED BRIDGE B

C.R.L. N 0°22'05.31" W

OVERHEAD POWER LINES

BEGIN APP. SLAB STA. 137+88.17

BEGIN BRIDGE STA. 138+18.17

90° (TYP.)

℄ PIER NO. 1 STA. 138+68.00

℄ PIER NO. 2 STA. 139+75.00

C.R.L. STA. 139+26.86
℄ WATERLOO RD. STA. 66+64.59

UNDERGROUND TELEPHONE

NB P.G.L.

END BRIDGE STA. 140+24.83

END APP. SLAB STA. 140+54.83

12'-0" SHLDR.

12'-0" LANE

12'-0" LANE

24'-0" SHOULDER

25'-0¾"

23'-6¼"

59'-6½" CLEAR ROADWAY

36'-0"

1'-6" FSHP

2.00%

A-1

A-2

A-3

A-4

EXISTING BRIDGE A TO BE REMOVED

PROPOSED BRIDGE A

℄ WATERLOO RD. N 89°38'07.65" E 3961'

EXISTING DRAINAGE STRUCTURE

TOE OF SLOPE

OIL LINES (ACTIVE)

OIL LINES (ABANDONED) ②

PLAN

BEGIN BRIDGE STATION 138+18.17
FINISH GRADE ELEVATION 1116.84

TOTAL BRIDGE LENGTH = 206'-8"

END BRIDGE STATION 140+24.83
FINISH GRADE ELEVATION 1116.25

49'-10" SPAN NO. 1

107'-0" SPAN NO. 2

49'-10" SPAN NO. 3

℄ PIER NO. 1 STA. 138+68.00

℄ PIER NO. 2 STA. 139+75.00

TOP OF CAP ELEV. 1110.58

BRIDGE SEAT ELEV. 1110.97

BRIDGE SEAT ELEV. 1110.38

PROFILE GRADE ALONG NB P.G.L.

A-1 1110.7

A-3 1109.3

A-4 1109.1

CONT. EXP.

EXP.

FIX.

1 MINIMUM CLEARANCE

GROUND LINE ALONG NB P.G.L.

1 - HP 10X42

5 - HP 12X53 BATTERED 46' LONG
4 - HP 12X53 STRAIGHT 45' LONG

5 - HP 12X53 BATTERED 88' LONG
4 - HP 12X53 STRAIGHT 87' LONG

TOP OF D.S. AVG. ELEV. 1091.58

EXISTING BRIDGE A TO BE REMOVED

AREA OF EXCAVATION INCLUDED IN ROADWAY QUANTITIES (TYP.)

INTERPRETED FOUNDATION MATERIAL

BOTTOM OF D.S. AVG. ELEV. 1039.58

BOTTOM OF D.S. AVG. ELEV. 1003.58

1038.7

1019.7

983.3

993.1

ABUTMENT NO. 1

PIER NO. 1

PIER NO. 2

ABUTMENT NO. 2

ELEVATION

FOR "FOUNDATION REPORTS", SEE SHEET NOS. B003 - B004 .

BENCHMARK BM 110
DESCRIPTION #6 REBAR
OFFSET 369.89 RT. STA. 138+10.27 EL. 1099.98

BENCHMARK BM 133
DESCRIPTION #6 REBAR
OFFSET 381.19 LT. STA. 138+11.14 EL. 1112.30

1 MINIMUM VERTICAL CLEARANCE 18'-8"
I-35 STA. 139+32.19
OFFSET 58.80' LT.
LOW CHORD ELEV. 1111.39

② SURVEY WAS UNABLE TO LOCATE ABANDONED OIL LINES. CONTRACTOR SHALL TAKE CAUTION WHEN EXCAVATING IN THE VICINITY AND BE PREPARED TO REMOVE THE ABANDONED LINES.

NOTES:
FOR DESIGN DATA, VERTICAL PROFILE DATA, & FOUNDATION DATA SEE SHEET NO. B002 .

BRIDGE "A" OVER WATERLOO RD.
I-35 NB
OKLAHOMA & LOGAN COUNTIES

GENERAL PLAN AND ELEVATION (SHEET 1 OF 2)

CONSTRUCT NEW 49'-107'-49'X62'-6" PLATE GIRDER SPANS W/ 42" F-SHAPED PARAPET W/ 59' CLEAR ROADWAY AT ℄ STRUCTURE STA. 139+21.50 (SKEW 0°)

DESIGN	DPE	5/18
DETAIL	SJL	1/20
CHECK	DPE	1/25

GARVER

STATE OF OKLAHOMA | DEPARTMENT OF TRANSPORTATION

JOB PIECE NO. 29843(04) SHEET NO. B001

Preliminary Plans

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3/26/2025

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/26/2025

INDEX OF SHEETS

SHEET NO.	TITLE
B001-B002	GENERAL PLAN AND ELEVATION
B003-B004	SUBSURFACE PROFILE
B005	STAKING DIAGRAM
B006-B009	ABUTMENT DETAILS
B010-B011	PIER DETAILS
B012	TYPICAL SECTION
B013	LONGITUDINAL SECTION
B014	DECK LAYOUT
B015	DECK TURNDOWN DETAILS
B016	PARAPET LAYOUT
B017	FRAMING PLAN
B018-B019	BEAM DETAILS
B020	STEEL BEAM BRACING DETAILS
B021	BEARING DETAILS
B022	SLOPE WALL DETAILS
B023	APPROACH SLAB DETAILS
B024	BARRIER TRANSITION DETAILS
B025	DRAIN DETAILS

STANDARDS

FSHP-42-2-00E
EJ-SQ-04E
EJ-DTL-02E
HP1-2-01E
B40-C-ABUT-MISC-01E
LECS-5-2
PUD-4-1
CRCP2-4-1

DESIGN DATA

(LOAD AND RESISTANCE FACTOR DESIGN DATA)

CLASS AA CONCRETE	f'c = 4,000 P.S.I.
CLASS A CONCRETE	f'c = 3,000 P.S.I.
REINFORCING STEEL (GRADE 60)	fy = 60,000 P.S.I.
STRUCTURAL STEEL (M270, GR. 50W)	fy = 50,000 P.S.I.
STAINLESS STEEL A240 (TYPE 316)	fy = 30,000 P.S.I.

LOADING: HL93 AND 20 P.S.F. FUTURE WEARING SURFACE OR OKLAHOMA OVERLOAD TRUCK AND 20 P.S.F. FUTURE WEARING SURFACE.

DESIGN: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 9TH EDITION.

ANSI/AASHTO/AWS: D1.5 BRIDGE WELDING CODE
ANSI/AWS: D1.6 STRUCTURAL WELDING CODE - STAINLESS STEEL

LRFR OPERATING RATING: 1.62 (HL-93)

FOUNDATION DATA

ABUTMENT CAPS (HP 12X53 PILING) (1)

	ABUTMENT NO. 1	ABUTMENT NO. 2
FACTORED PILE REACTION (TONS/PILE	= XX.X	= XX.X
PILE LENGTH (FEET)	= XX.X	= XX.X

PIERS (60" DIAMETER DRILLED SHAFTS)

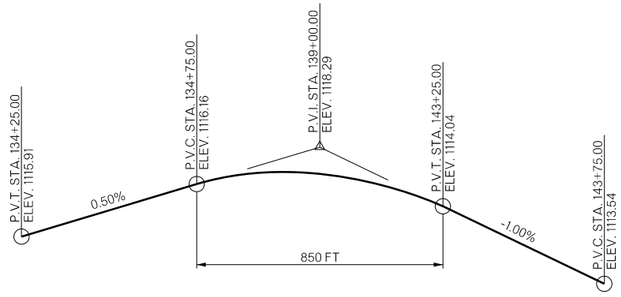
	PIER NO. 1	PIER NO. 2
DEPTH OF ROCK NEGLECTED FOR FRICTION (FEET)	= X.00	= X.00
MINIMUM DEPTH INTO ROCK (FEET)	= X.00	= X.00
NOMINAL UNIT BEARING RESISTANCE (TSF)	= XX.XX	= XX.XX
BEARING RESISTANCE FACTOR	= 0.XX	= 0.XX
FACTORED BEARING RESISTANCE (TONS/SHAFT)	= XXX	= XXX
NOMINAL UNIT FRICTION RESISTANCE (TSF)	= X.00	= X.00
FRICTION RESISTANCE FACTOR	= 0.XX	= 0.XX
FACTORED FRICTION RESISTANCE (TONS/SHAFT)	= XXX	= XXX
TOTAL FACTORED RESISTANCE (TONS/SHAFT)	= XXX	= XXX
TOTAL FACTORED REACTION (TONS/SHAFT)	= XXX	= XXX

(1) STEEL ABUTMENT PILING SHALL BE DRIVEN THROUGH COMPACTED FILL. PILING SHALL BE DRIVEN TO POINT BEARING ON SOLID FOUNDATION MATERIAL AT THE APPROXIMATE ELEVATION SHOWN ON THE PLANS. IF THE AXIAL LOAD RESISTANCE IS NOT OBTAINED AT THIS ELEVATION, DRIVING SHALL CONTINUE UNTIL THE AXIAL LOAD RESISTANCE IS OBTAINED. THE LENGTH OF THE STEEL PILING SHOWN ON THE PLANS IS FOR ESTIMATING PURPOSES ONLY.

Preliminary Plans

SUMMARY OF QUANTITIES

ITEM	UNIT	ABUTMENTS	PIERS	SUPER-STRUCTURE	APPROACH SLABS	SLOPE WALL	MEDIAN BARRIER TRANSITION	TOTAL
SUBSTRUCTURE EXCAVATION COMMON	CY	220.00	-	-	-	-	-	220.00
CLSM BACKFILL	CY	299.70	-	-	-	-	-	299.70
APPROACH SLAB	SY	-	-	-	417.00	-	-	417.00
SAW-CUT GROOVING	SY	-	-	1,365.70	397.00	-	-	1,762.70
42" F-SHAPED PARAPET	LF	-	-	413.40	120.00	-	-	533.40
STRUCTURAL STEEL M270 GRADE 50W	LB	-	-	297,770.00	-	-	-	297,770.00
STAINLESS STEEL FIXED BEARING ASSEMBLY	EA	-	-	12.00	-	-	-	12.00
STAINLESS STEEL EXP. BEARING ASSEMBLY	EA	-	-	24.00	-	-	-	24.00
CLASS AA CONCRETE	CY	-	-	334.30	-	-	13.60	347.90
CLASS A CONCRETE	CY	131.[illegible]	296.20	-	-	-	-	427.20
CLASS C CONCRETE	CY	12.20	-	-	-	-	-	12.20
SLOPE WALL (5")	SY	-	-	-	-	688.00	-	688.00
REINFORCING STEEL	LB	-	750.00	-	-	-	960.00	1,710.00
EPOXY COATED REINFORCING STEEL	LB	13,440.00	52,690.00	109,740.00	-	-	-	175,870.00
PILES, FURNISHED (HP 10X42)	LF	137.00	-	-	-	-	-	137.00
PILES, FURNISHED (HP 12X53)	LF	1,198.00	-	-	-	-	-	1,198.00
PILES, DRIVEN (HP 10X42)	LF	137.00	-	-	-	-	-	137.00
PILES, DRIVEN (HP 12X53)	LF	1,198.00	-	-	-	-	-	1,198.00
PILE SPLICE, H-PILE (NON-BIDDABLE)	EA	-	-	-	-	-	-	1.00
WATER REPELLENT (VISUALLY INSPECTED)	SY	96.00	430.00	202.00	60.00	-	-	788.00
DRILLED SHAFTS 60" DIAMETER	LF	-	413.00	-	-	-	-	413.00
CROSSHOLE SONIC LOGGING	EA	-	-	-	-	-	-	1.00
ELASTOMERIC COATING	SF	798.00	928.00	-	-	-	-	1,726.00
SEALED EXPANSION JOINTS	LF	-	-	60.53	-	-	-	60.53
SEALER CRACK PREPARATION	LF	-	-	60.00	-	-	-	60.00
SEALER RESIN	GAL	-	-	0.50	-	-	-	0.50
6" PERFORATED PIPE UNDERDRAIN ROUND	LF	122.00	-	-	-	132.00	-	254.00
6" NON-PERF.PIPE UNDERDRAIN RND.	LF	30.00	-	-	-	40.00	-	70.00
REMOVAL OF EXISTING BRIDGE STRUCTURE	LSUM	-	-	-	-	-	-	1.00



VERTICAL CURVE PROFILE DATA

BRIDGE "A" OVER WATERLOO RD.
I-35 NB
OKLAHOMA & LOGAN COUNTIES

GENERAL PLAN AND ELEVATION (SHEET 2 OF 2)

CONSTRUCT NEW 49'-107'-49'X62'-6" PLATE GIRDER SPANS W/ 42" F-SHAPED PARAPET W/ 59' CLEAR ROADWAY AT ℄ STRUCTURE STA. 139+21.50 (SKEW 0°)

DESIGN	DPE	5/18
DETAIL	SJL	1/20
CHECK	DPE	1/25

GARVER

STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION
JOB PIECE NO. 29843(04)
SHEET NO. B002

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REVISIONS		
REV. NO.	DESCRIPTION	DATE

Boring No. A-1

STATION 138+20.89 51.50' RT
(3/24/2020)

Surface Elev. (Ft.): 1110.7

APPROX. 7" OF ASPHALT PAVEMENT	1110.5	1109.5+/-	SPT-1; N=9; SOIL REC=13 (In.); MC=18%; P200=21%; LL= 26; PL= 13; PI= 13
	1110		
CLAYEY SAND (SC) red (2.5YR 4/8) and dark red (2.5YR 3/6), loose		1105.5+/-	SPT-2; N=6; SOIL REC=8 (In.); MC=18%; P200=74%; LL= 33; PL= 15; PI= 18
LEAN CLAY WITH SAND (CL) red (2.5YR 4/6), medium stiff	1105.5		
CLAYEY SAND (SC) red (2.5YR 4/8), medium dense	1100.5	1100.5+/-	SPT-3; N=14; SOIL REC=16 (In.); MC=17%; P200=47%; LL= 21; PL= 13; PI= 8
SILTY SAND (SM) reddish brown (2.5YR 4/3), dense	1095.5	1095.5+/-	SPT-4; N=36; SOIL REC=7 (In.); MC=21%; P200=19%
CLAYEY SAND (SC) weak red (2.5YR 4/2), red (2.5YR 5/6) and reddish brown (2.5YR 4/3), dense	1090.5	1090.5+/-	SPT-5; N=31; SOIL REC=12 (In.); MC=24%; P200=24%; LL= 23; PL= 13; PI= 10
-weak red (2.5YR 4/2) and reddish brown (7.5YR 4/4), medium dense below 25'	1085.5	1085.5+/-	SPT-6; N=20; SOIL REC=15 (In.); MC=17%; P200=29%; LL= 25; PL= 15; PI= 10
SILTY SAND (SM) red (2.5YR 4/6) and dusky red (7.5R 3/3), dense	1080.5	1080.5+/-	SPT-7; N=38; SOIL REC=18 (In.); MC=14%; P200=42%; LL= NP; PL= NP; PI= NP
SHALEY LEAN CLAY (CL) red (2.5YR 4/6), hard	1078.5	1075.5+/-	SPT-8; N=51; SOIL REC=18 (In.); MC=22%
		1072+/-	SPT-9; N=86; SOIL REC=17 (In.); MC=13%
WEATHERED SHALE red (2.5YR 4/6), soft	1070.5	1070.5+/-	SPT-10; N=50/4"; SOIL REC=15 (In.); MC=15%; P200=97%; LL= 39; PL= 16; PI= 23
-moderately hard to hard below 41.4	1069.5	1069+/-	TCP 50/2 1/2" 50/2 5/8"
Top of Rock = 1070.5 Ft.		1064+/-	TCP 50/2 1/4" 50/13/4"
WEATHERED SANDSTONE red (2.5YR 4/6), well cemented	1059	1059+/-	TCP 50/1/2" 50/5/8"
		1054+/-	TCP 50/3/4" 50/1/2"
		1049+/-	TCP 50/3/8" 50/1/8"
		1044+/-	TCP 50/5/16" 50/3/16"
		1039+/-	TCP 50/1/4" 50/1/8"

BT-72.00
Elevation: 1038.5+/-

Boring No. A-2

STATION 138+35.46 48.54' RT
(4/9/2020)

Surface Elev. (Ft.): 1110.7

APPROX. 8" OF ASPHALT PAVEMENT	1110.5	1109.5+/-	SPT-1; N=13; SOIL REC=15 (In.); MC=14%; P200=37%; LL= NP; PL= NP; PI= NP
	1110		
SILTY SAND (SM) dark reddish brown (2.5YR 3/3), light reddish brown (2.5YR 7/3) and dark red (2.5YR 3/6), medium dense	1105.5	1105.5+/-	SPT-2; N=8; SOIL REC=4 (In.); MC=22%; P200=91%
LEAN CLAY (CL) red (10R 4/6), medium stiff		1100.5+/-	SPT-3; N=27; SOIL REC=9 (In.); MC=17%; P200=38%; LL= NP; PL= NP; PI= NP
SILTY SAND (SM) reddish brown (2.5YR 4/4), medium dense	1100.5		
-red (2.5YR 5/6) and reddish yellow (7.5YR 6/6) below 15'	1095.5	1095.5+/-	SPT-4; N=29; SOIL REC=13 (In.); MC=20%; P200=22%; LL= NP; PL= NP; PI= NP
-reddish brown (5YR 4/4), dense below 20'	1090.5	1090.5+/-	SPT-5; N=31; SOIL REC=10 (In.); MC=20%; P200=32%; LL= NP; PL= NP; PI= NP
CLAYEY SAND (SC) reddish brown (2.5YR 4/4), medium dense	1085.5	1085.5+/-	SPT-6; N=13; SOIL REC=10 (In.); MC=16%; P200=45%; LL= 26; PL= ; PI= 13
-very loose below 30'	1080.5	1080.5+/-	SPT- N=3; SOIL REC=9 (In.); =19%
-loose below 35'	1075.5	75.5	S -8; N= SOIL REC=13 (In.); M =20%; P200=30%; L 1; PL= 13; PI= 8
-very loose below 40'	1070.5	1070.5+/-	SPT-9; N=2; SOIL REC=14 (In.); MC=21%
FAT CLAY (CH) red (2.5YR 4/6), stiff	1065	1065.5+/-	SPT-10; N=9; SOIL REC=10 (In.); MC=24%; P200=93%; LL= 55; PL= 18; PI= 37
LEAN CLAY (CL) red (2.5YR 4/6) a green gra (GLEY1 6/5/), medi iff	1060	1060.5+/-	SPT-11; N=8; SOIL REC=9 (In.); MC=17%; P200=96%; LL= 39; PL= 15; PI= 24
LEAN CLAY WITH SAND (CL) dark red (5R 3/ medium	1055.5	1055.5+/-	SPT-12; N=7; SOIL REC=14 (In.); MC=29%; P200=84%; LL= 30; PL= 13; PI= 17
INTERBEDDED WEATHERED SILTSTONE AND WEATHERED SANDSTONE red (10R 4/6), well cemented	1050.5	1050.5+/-	SPT-13; N=50/4"; SOIL REC=2 (In.); MC=14%; P200=80%
		1050+/-	TCP 50/5/8"; 50/1/4"
Top of Rock = 1050.5 Ft.		1049.5+/-	DB-15; SOIL REC=57 (In.) ROCK REC=95 (%); RQD=87(%)
		1045+/-	TCP 50/1/2"; 50/3/4"
		1044.5+/-	DB-17;SOIL REC=39 (In.) ROCK REC= 65 (%); RQD=27 (%) UCS=8210 psi
-red (10R 4/6) with light brown (7.5 YR 6/3) below 70.5'	1040	1040+/-	TCP 50/3/8"; 50/1/4"
		1039.5+/-	DB-19; SOIL REC=46 (In.) ROCK REC=77 (%); RQD=17 (%) UCS=870 psi
WEATHERED SHALE WITH WEATHERED SANDSTONE SEAMS red (10R 4/6) and light gray (GLEY1 7/N), hard	1035	1035+/-	TCP 50/3/4"; 50/1/2"
		1034.5+/-	DB-21; ROCK REC=100 (%); RQD=80 (%); UCS=150 psi
WEATHERED SHALE WITH WEATHERED SANDSTONE red (10R 4/6) and light brown (7.5YR 6/4), hard, with a 6" reddish gray (2.5YR 6/1) siltstone seam between 75.5' and 80.5'	1030	1030+/-	TCP 50/3/8"; 50/3/16"
		1029.5+/-	DB-23; SOIL REC=59 (In.) ROCK REC=98 (%); RQD=63 (%) UCS=6700 psi
	1025	1025+/-	TCP 50/5/8"; 50/1/4"
		1024.5+/-	DB-25; SOIL REC=54 (In.) ROCK REC=90 (%); RQD=33 (%)
WEATHERED SANDSTONE light brown (7.5YR 6/4) and red (10R 4/6), well cemented, with red (10R 4/6) siltstone		1020+/-	TCP 50/1/2"; 50/1/4"

BT-91.00
Elevation: 1019.5+/-

Preliminary Plans

LEGEND

DCD = DIAMOND CORE DRILLING, ASTM D2113-83
SPT = STANDARD PENETRATION TEST, ASTM D1586
SS = SPLIT SPOON SAMPLER
N = NUMBER OF BLOWS PER 12 INCHES
MC = MOISTURE CONTENT
LL = LIQUID LIMIT (NV=NO VALUE)
PI = PLASTICITY INDEX (NP=NO PLASTICITY)
#200 = PERCENT PASSING #200 SIEVE
UCS = UNCONFINED COMPRESSIVE STRENGTH
TCP = TEXAS CONE PENETROMETER
WCI = WET CAVE IN
= WATER LEVEL WHILE DRILLING OR SAMPLING
= WATER LEVEL AFTER DRILLING
= WATER LEVEL 24 HOURS AFTER DRILLING
= TOP OF ROCK

NOTE: WATER LEVEL ELEVATIONS SHOWN WERE OBTAINED AT THE TIME THE BORINGS WERE DRILLED AND MAY FLUCTUATE THROUGHOUT THE YEAR.

NOTE: "SS" DENOTES STANDARD PENETRATION TEST, AASHTO D1586-84. "TCP" DENOTES TEXAS CONE PENETRATION TEST.

* NOTE: TOP OF ROCK LINE SHOWN FOR ESTIMATING PURPOSES ONLY.

** NOTE: WATER LEVEL ELEVATION SHOWN WERE OBTAINED AT THE TIME THE BORINGS WERE DRILLED AND MAY FLUCTUATE THROUGHOUT THE YEAR.

*** NOTE: ROCK CLASSIFICATION IS BASED ON DRILLING CHARACTERISTICS AND VISUAL OBSERVATION OF ROCK CORE SAMPLES. PETROGRAPHIC ANALYSIS OF THIN SECTIONS OF THE ROCK CORE SAMPLES MAY REVEAL OTHER TYPES.

SITE GEOLOGY

The geology of this site consists of the red, clay shales, red, sandy shales and red, massive, commonly cross-bedded, lenticular, sandstones of the Garber Unit. The sandstones are more prominent in the southern portion of ODOT's Division 4 which would include this project site. Northward, the sandstones become thinner and shales become more prominent. The Garber unit outcrops in a 12 to 24 mile band across Grant, Garfield, Kingfisher, Logan, Noble, and Oklahoma Counties. Topographically, the unit generally forms rolling to gently rolling hills capped with sandstones and covered with thick growths of blackjack oak and post oak trees.

GEOTECHNICAL REPORT

ALL GEOTECHNICAL INFORMATION CONTAINED ON THIS SHEET IS COVERED BY THE ENGINEERING SEAL AFFIXED TO AN ORIGINAL GEOTECHNICAL ENGINEERING REPORT THAT HAS BEEN STAMPED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN OKLAHOMA. TO OBTAIN A COPY OF THE COMPLETE REPORT, CONTACT THE ODOT OFFICE ENGINEER AT (405) 521-2625. THE CONTRACTOR SHOULD BE FULLY AWARE OF THE SITE CONDITIONS PRIOR TO BEGINNING WORK. ANY ADDITIONAL GEOTECNICAL INFORMATION WHICH MAY BE DESIRED IS THE RESPONSIBILITY OF THE CONTRACTOR.

Terracon

Oklahoma & Logan Counties

SUBSURFACE PROFILE
(SHEET 1 of 2)

Design		
Detail		
Check		
Squad:		
Engr.:		

STATE OF OKLAHOMA | DEPARTMENT OF TRANSPORTATION
JOB PIECE NO. 29843(04) | B003

L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\Bridge\29843O4 - A-SUBSURFACE PROFILE 1.dgn
08:47:45
3/26/2025

Boring No. A-3

STATION 139+81.08 4.08' RT
(3/27/2020)

Surface Elev. (Ft.): 1109.3

1,110	**SILTY CLAYEY SAND WITH GRAVEL (SC-SM)** dark reddish brown (2.5YR 3/3), loose	1109.5	1109.5+/-	SPT-1; N=7; SOIL REC=8 (In.); MC=16%; P200=25%; LL= 24; PL= 17; PI= 7	
	SILTY CLAYEY SAND (SC-SM) dark reddish brown (2.5YR 3/3) and red (2.5YR 4/6), loose	1104.5	1104.5+/-	SPT-2; N=9; SOIL REC=8 (In.); MC=19%; P200=33%; LL= 20; PL= 13; PI= 7	
1,100	**SANDY LEAN CLAY (CL)** red (2.5YR 4/6), medium stiff	1099.5	1099.5+/-	SPT-3; N=6; SOIL REC=7 (In.); MC=18%; P200=70%; LL= 26; PL= 15; PI= 11	
	-very stiff below 15'	1094.5	1094.5+/-	SPT-4; N=25; SOIL REC=10 (In.); MC=20%	
1,090	**SILTY SAND (SM)** reddish brown (2.5YR 4/3), very dense	1089.5	1089.5+/-	SPT-5; N=63; SOIL REC=12 (In.); MC=17%; P200=20%; LL= NP; PL= NP; PI= NP	
	CLAYEY SAND (SC) red (2.5YR 4/3), medium dense	1084.5	1084.5+/-	SPT-6; N=19; SOIL REC=6 (In.); MC=21%; P200=36%; LL= 21; PL= 13; PI= 8	
1,080	**SANDY LEAN CLAY (CL)** dusky red (2.5YR 3/2), soft	1079.5	1079.5+/-	SPT-7; N=2; SOIL REC=15 (In.); MC=23%; P200=52%; LL= 21; PL= 13; PI= 8	
	CLAYEY SAND (SC) red (2.5YR 4/3), loose	1074.5	1074.5+/-	SPT-8; N=4; SOIL REC=17 (In.); MC=19%; P200=40%; LL= 25; PL= 13; PI= 12	
1,070	-very loose below 40'	1069.5	1069.5+/-	SPT-9; N=2; SOIL REC=17 (In.); MC=22%	
	SANDY LEAN CLAY (CL) reddish brown (2.5YR 4/4), medium stiff	1064.5	1064.5+/-	SPT-10; N=4; SOIL REC=2 (In.); MC=23%; P200=63%	
1,060	**CLAYEY SAND (SC)** reddish brown (2.5YR 4/4), very loose	1059.5	1059.5+/-	SPT-11; N=3; SOIL REC=17 (In.); MC=25%; P200=42%; LL= 28; PL= 12; PI= 16	
	SANDY LEAN CLAY (CL) reddish brown (2.5YR 4/4), soft	1054.5	1054.5+/-	SPT-12; N=4; SOIL REC=17 (In.); MC=29%; P200=62%; LL= 22; PL= 12; PI= 10	
1,050	**CLAYEY SAND (SC)** reddish brown (2.5YR 4/4), very loose	1049.5	1049.5+/-	SPT-13; N=0; SOIL REC=17 (In.); MC=25%; P200=50%; LL= 22; PL= 14; PI= 8	
	SILTY SAND (SM) reddish brown (2.5YR 4/4), very loose	1044.5	1044.5+/-	SPT-14; N=1; SOIL REC=17 (In.); MC=22%; P200=24%; LL= NP; PL= NP; PI= NP	
1,040	-reddish brown (2.5YR 4/3), loose below 70'	1039.5	1039.5+/-	SPT-15; N=5; SOIL REC=17 (In.); MC=19%; P200=22%; LL= NP; PL= NP; PI= NP	
			1034.5+/-	SPT-16; N=4; SOIL REC=17 (In.); MC=23%	
1,030			1029.5+/-	SPT-17; N=5; SOIL REC=17 (In.); MC=21%	
			1024.5+/-	SPT-18; N=8; SOIL REC=17 (In.); MC=19%	
1,020	**HIGHLY WEATHERED SILTY SANDSTONE** reddish brown (2.5YR 4/3), poorly cemented	1019.5	1019.5+/-	SPT-19; N=50; SOIL REC=17 (In.); MC=17%; P200=28%; LL= NP; PL= NP; PI= NP	
	WEATHERED SHALE reddish brown (2.5YR 4/4) and light reddish brown (2.5YR 6/4), moderately hard	1014.5 1014	Top of Rock = 1019.5 Ft.		
1,010	**WEATHERED SANDSTONE** reddish brown (2.5YR 4/4) and light reddish brown (2.5YR 6/4), well cemented	1009	1014.5+/- 1014+/- 1013.5+/-	SPT-20; N=50/3"; SOIL REC=2 (In.); MC=13%; P200=86%; LL= 27; PL= 15; PI= 12 TCP 50/7/16"; 50/3/8"	
	-light reddish brown (2.5YR 6/4) and reddish yellow (7.5YR 7/8) below 105.5'	1004	1009+/- 1004+/- 1003.5+/-	DB-23; SOIL REC=42 (In.) ROCK REC=70(%); RQD=56 (%) TCP 50/3/8"; 50/1/8" DB-22; SOIL REC=46 (In.) ROCK REC=77 (%); RQD=75 (%) UCS=730 psi	
1,000	-reddish brown (2.5YR 4/4) and pinkish white (7.5 YR 8/2), with a 6" reddish yellow (7.5YR 7/6) shale lens from 105.5' to 110.5'	999	999+/- 998.5+/-	TCP 50/3/8"; 50/1/8" DB-23; SOIL REC=44 (In.) ROCK REC=73 (%); RQD=33 (%) TCP 50/1/4"; 50/1/16"	
	-reddish yellow (7.5YR 7/8), with a 10" reddish brown (2.5YR 4/4) shale lense from 110.5' to 115.5'	994	994+/- 993.5+/-	DB-24; SOIL REC=50 (In.) ROCK REC=83(%); RQD=23 (%); UCS=510 psi TCP 50/3/8"; 50/1/16"	
990	-light reddish brown (2.5YR 6/3), reddish brown (2.5YR 5/4), and reddish yellow, (7.5YR 7/6) below 115.5'	989	989+/- 988.5+/-	DB-25; SOIL REC=51 (In.) ROCK REC=85 (%); RQD=23 (%) TCP 50/3/8"; 50/1/16"	
	-reddish brown (2.5YR 5/4), reddish yellow (7.5YR 7/6), and pinkish white (7.5YR 8/2) below 115.5'		984+/-	DB-26; SOIL REC=60 (In.) ROCK REC=100 (%); RQD=86(%); UCS=160 psi TCP 50/3/8"; 50/1/8"	
980					

BT-126.00
Elevation: 983.5+/-

Boring No. A-4

STATION 140+21.10 51.58' RT
(3/24/2020)

Surface Elev. (Ft.): 1109.1

	APPROX. 10" OF CONCRETE PAVEMENT	1109 1108.5	1109+/-	SPT-1; N=20; SOIL REC=13 (In.); MC=14%; P200=33%; LL= NP; PL= NP; PI= NP	1,110
	SILTY SAND (SM) dark reddish brown (5YR 3/3) to dusky red (10R 3/3), medium dense	1104	1104+/-	SPT-2; N=6; SOIL REC=6 (In.); MC=17%; P200=64%; LL= 25; PL= 12; PI= 13	
	SANDY LEAN CLAY (CL) red (10R 4/6) with weak red (10R 5/4), medium stiff -red (2.5YR 4/8) below 10'	1099	1099+/-	SPT-3; N=5; SOIL REC=8 (In.); MC=18%	1,100
	CLAYEY SAND (SC) red (2.5YR 4/6), medium dense	1094	1094+/-	SPT-4; N=28; SOIL REC=11 (In.); MC=18%; P200=25%; LL= 24; PL= 14; PI= 10	
	-brown (7.5YR 4/3) with red (2.5YR 4/6), dense below 20'	1089	1089+/-	SPT-5; N=40; SOIL REC=17 (In.); MC=17%; P200=29%; LL= 22; PL= 14; PI= 8	1,090
	SILTY SAND (SM) red (2.5YR 4/8), dense	1084	1084+/-	SPT-6; N=32; SOIL REC=14 (In.); MC=15%; P200=30%; LL= NP; PL= NP; PI= NP	
	SANDY LEAN CLAY (CL) dark brown (7.5YR 3/4), soft	1079	1079+/-	SPT-7; N=2; SOIL REC=17 (In.); MC=22%; P200=57%; LL= 23; PL= 15; PI= 8	1,080
	CLAYEY SAND (SC) dark brown (7.5YR 3/2) and reddish brown (5YR 4/4), loose	1074	1074+/-	SPT-8; N=7; SOIL REC=17 (In.); MC=18%; P200=48%; LL= 27; PL= 15; PI= 12	
	SILTY CLAYEY SAND (SC-SM) reddish brown (5YR 4/4), loose	1069	1069+/-	SPT-9; N=4; SOIL REC=17 (In.); MC=21%; P200=24%; LL= 20; PL= 13; PI= 7	1,070
	SILTY SAND (SM) yellowish red (5YR 5/6), loose	1064	1064+/-	SPT-10; N=7; SOIL REC=17 (In.); MC=19%; P200=40%; LL= NP; PL= NP; PI= NP	
			1059	SPT-11; N=5; SOIL REC=17 (In.); MC=21%	1,060
	-very loose below 55'	1054	1054+/-	SPT-12; N=2; SOIL REC=17 (In.); MC=22%	
	-loose below 60'	1049	1049+/-	SPT-13; N=6; SOIL REC=17 (In.); MC=21%	1,050
	-very loose below 65'	1044	1044+/-	SPT-14; N=2; SOIL REC=17 (In.); MC=23%	
	CLAYEY SAND (SC) reddish brown (5YR 4/4), very loose	1039	1039+/-	SPT-15; N=2; SOIL REC=17 (In.); MC=20%; P200=41%; LL= 23; PL= 13; PI= 10	1,040
	-yellowish red (5YR 5/6) below 75'	1034	1034+/-	SPT-16; N=2; SOIL REC=17 (In.); MC=26%	
	SANDY LEAN CLAY (CL) red (10R 4/6), hard	1029	1029+/-	SPT-17; N=32; SOIL REC=17 (In.); MC=14%; P200=98%; LL= 36; PL= 15; PI= 21	1,030
	WEATHERED SANDSTONE red (10R 4/6) with light gray (5YR 7/1), well cemented	1024	1024+/- 1023.5+/-	SPT-18; N=50/1"; SOIL REC=0 (In.) TCP 50/9/16"; 50/3/16"	
			Top of Rock = 1024 Ft.		
			1018.5+/-	TCP 50/7/8"; 50/1/2"	1,020
			1013.5+/-	TCP 50/3/8"; 50/3/16"	
			1008.5+/-	TCP 50/5/16"; 50/3/16"	1,010
			1003.5+/-	TCP 50/3/8"; 50/1/4"	
			998.5+/-	TCP 50/5/16"; 50/1/8"	1,000
			993.5+/-	TCP 50/3/8"; 50/1/8"	
990					990
980					980

BT-116.00
Elevation: 993+/-

Preliminary Plans

REVISIONS

REV. NO.	DESCRIPTION	DATE

LEGEND

DCD = DIAMOND CORE DRILLING, ASTM D2113-83
SPT = STANDARD PENETRATION TEST, ASTM D1586
SS = SPLIT SPOON SAMPLER
N = NUMBER OF BLOWS PER 12 INCHES
MC = MOISTURE CONTENT
LL = LIQUID LIMIT (NV=NO VALUE)
PI = PLASTICITY INDEX (NP=NO PLASTICITY)
#200 = PERCENT PASSING #200 SIEVE
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TCP = TEXAS CONE PENETROMETER
WCI = WET CAVE IN
▽ = WATER LEVEL WHILE DRILLING OR SAMPLING
▼ = WATER LEVEL AFTER DRILLING
▼ = WATER LEVEL 24 HOURS AFTER DRILLING
▨ = TOP OF ROCK

NOTE: WATER LEVEL ELEVATIONS SHOWN WERE OBTAINED AT THE TIME THE BORINGS WERE DRILLED AND MAY FLUCTUATE THROUGHOUT THE YEAR.

NOTE: "SS" DENOTES STANDARD PENETRATION TEST, AASHTO D1586-84. "TCP" DENOTES TEXAS CONE PENETRATION TEST.

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SITE GEOLOGY

The geology of this site consists of the red, clay shales, red, sandy shales and red, massive, commonly cross-bedded, lenticular, sandstones of the Garber Unit. The sandstones are more prominent in the southern portion of ODOT's Division 4 which would include this project site. Northward, the sandstones become thinner and shales become more prominent. The Garber unit outcrops in a 12 to 24 mile band across Grant, Garfield, Kingfisher, Logan, Noble, and Oklahoma Counties. Topographically, the unit generally forms rolling to gently rolling hills capped with sandstones and covered with thick growths of blackjack oak and post oak trees.

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Terracon

OKLAHOMA AND LOGAN COUNTIES

SUBSURFACE PROFILE
(SHEET 2 of 2)

Design		
Detail		
Check		
Squad:		
Engr.:		

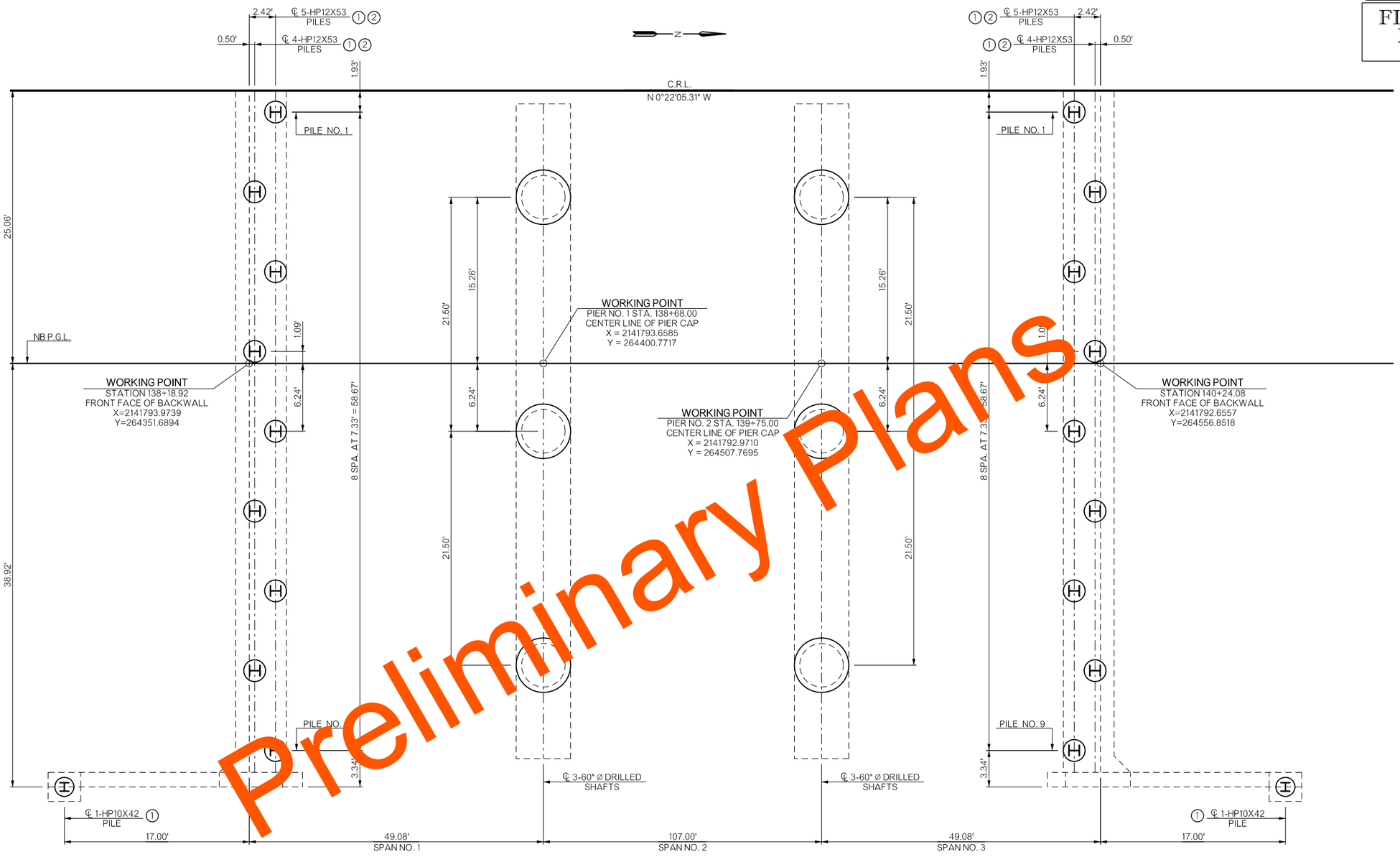
STATE OF OKLAHOMA | DEPARTMENT OF TRANSPORTATION | JOB PIECE NO. 29843(04) | B004

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3/26/2025

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/26/2025



Preliminary Plans

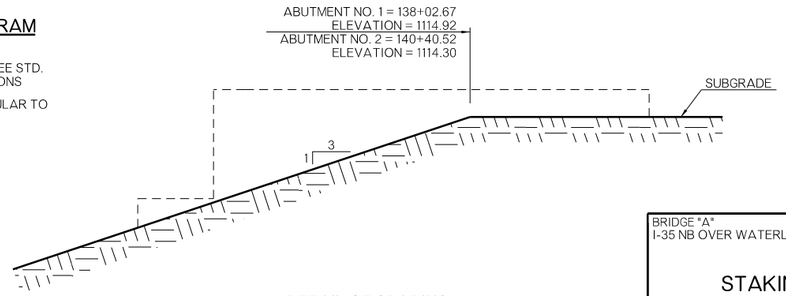
SUBSTRUCTURE STAKING DIAGRAM

① WITH PILE ENCASEMENT. FOR DETAILS SEE STD. HP1-2-01E. TYPICAL AT ALL PILE LOCATIONS

② FACE OF PILE WEB SHALL BE PERPENDCULAR TO FACE OF BRIDGE SEAT.

TOP OF PILE SCHEDULE AT ABUTMENT NO. 1	
PILE	ELEVATION
WING	1111.05
CAP	1108.80

TOP OF PILE SCHEDULE AT ABUTMENT NO. 2	
PILE	ELEVATION
WING	1110.46
CAP	1108.21



DETAIL OF GRADING

(SLOPE SHOWN TO BE SHAPED BY THE GRADING CONTRACTOR)

BRIDGE "A" OVER WATERLOO RD.
I-35 NB
OKLAHOMA & LOGAN COUNTIES

DESIGN	DPE	8/20
DETAIL	SJL	10/20
CHECK	DPE	1/25

STAKING DIAGRAM

GARVER

STATE OF OKLAHOMA

DEPARTMENT OF TRANSPORTATION

JOB PIECE NO. 29843(04)

SHEET NO. B005

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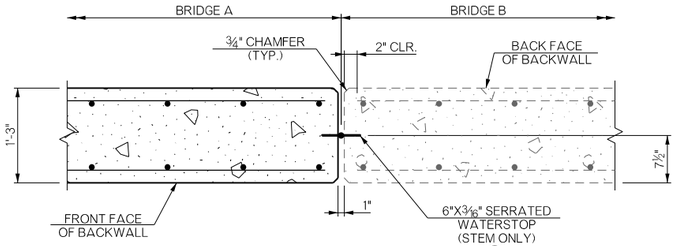
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/27/2025

BEAM SEAT ELEVATIONS						
ABUT. NO.	A-1	A-2	A-3	A-4	A-5	A-6
1	1112.32	1112.10	1111.88	1111.66	1111.44	1111.22
2	1111.73	1111.51	1111.29	1111.07	1110.85	1110.63

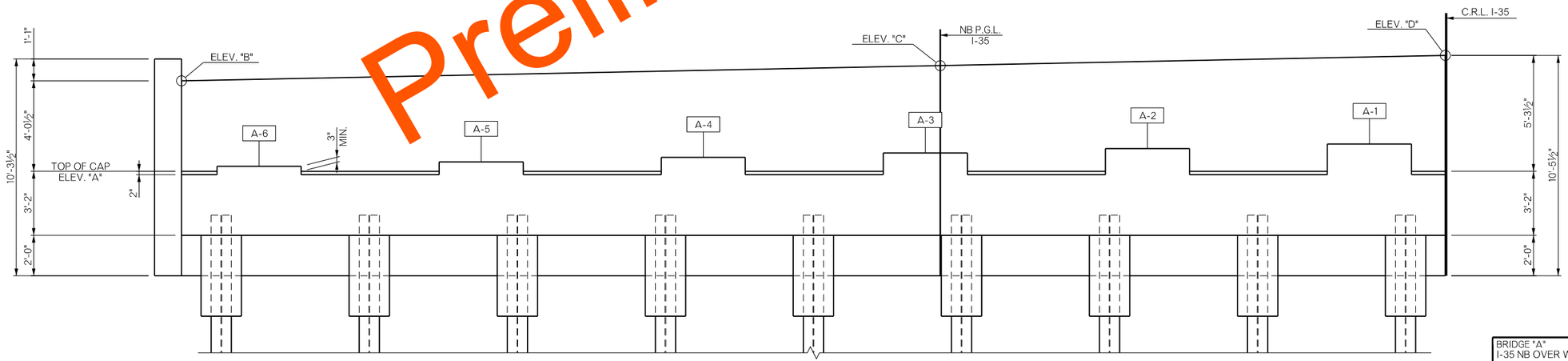
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ABUT. NO.	ELEV. "A"	ELEV. "B"	ELEV. "C"	ELEV. "D"
1	1110.97	1115.01	1115.76	1116.26
2	1110.38	1114.42	1115.17	1115.67



WATERSTOP DETAIL

1. 1½" X 2-0" X 2'-0" KEYED CONSTRUCTION JOINT
2. 1½" X 5½" X 61'-11¼" KEYED CONSTRUCTION JOINT
3. 1½" x 5½" KEYED CONSTRUCTION JOINT
4. 1½" ø ANCHOR BOLTS (TYP. EACH PEDESTAL)
5. WATERSTOP TO BE INCLUDED IN BRIDGE B QUANTITIES

PLAN



ELEVATION

(ABUTMENT NO. 1 LOOKING BACK STATION SHOWN, ABUTMENT NO. 2 LOOKING FORWARD STATION SIMILAR BUT OPPOSITE HAND)

Preliminary Plans

BRIDGE "A" OVER WATERLOO RD. ON I-35 NB
OKLAHOMA & LOGAN COUNTIES

ABUTMENT DETAILS (SHEET 1 OF 4)

DESIGN	DPE	12/24
DETAIL	SJL	12/24
CHECK	DPE	1/25

GARVER

STATE OF OKLAHOMA

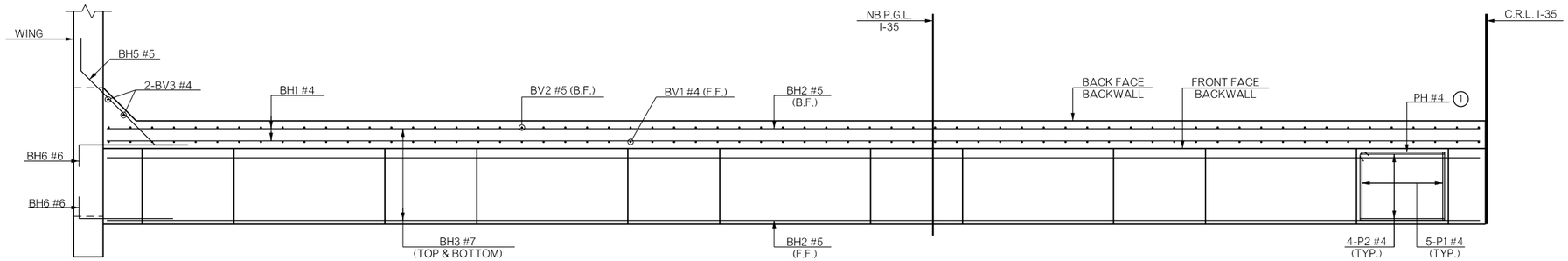
DEPARTMENT OF TRANSPORTATION

JOB PIECE NO. 29843(04) SHEET NO. B006

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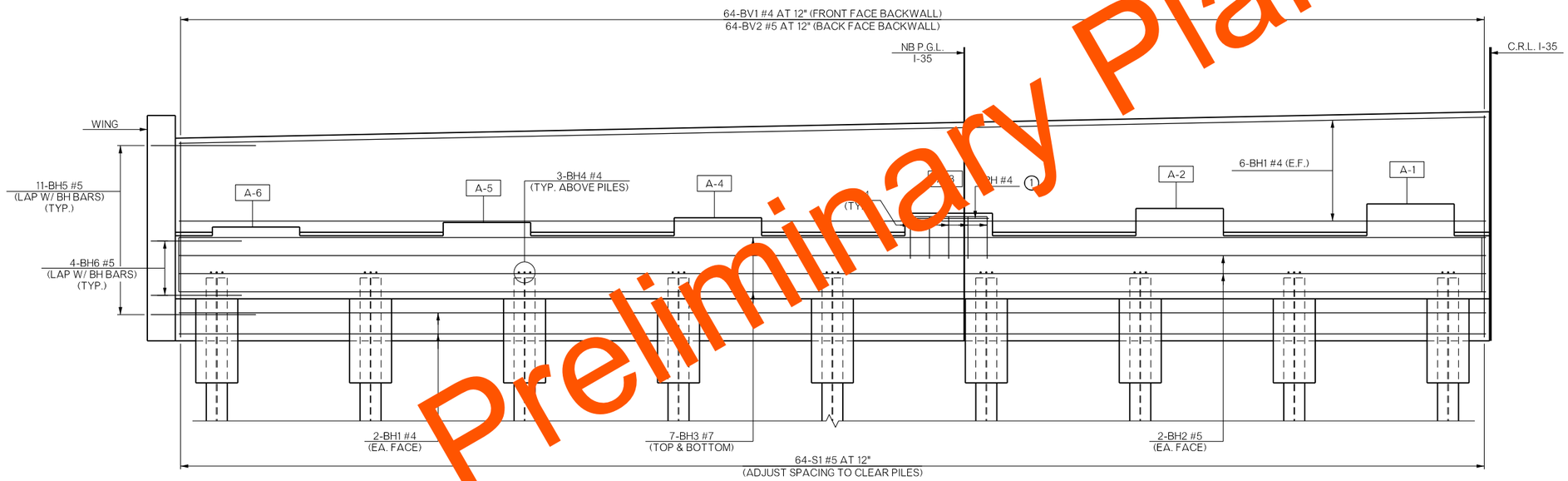
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/26/2025

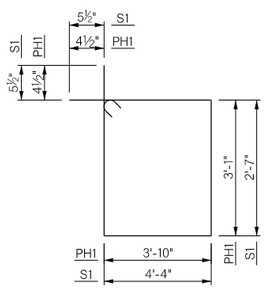


(1) 2-PH #4 AT PEDESTALS A-1 & A-2
1-PH #4 AT PEDESTALS A-3 & A-4

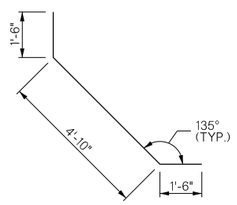
PLAN
(SHOWING REINFORCING STEEL LAYOUT)



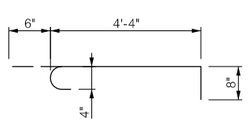
ELEVATION
(SHOWING REINFORCING STEEL LAYOUT)
(ABUTMENT NO. 1 LOOKING BACK STATION SHOWN,
ABUTMENT NO. 2 LOOKING FORWARD STATION SIMILAR BUT OPPOSITE HAND)



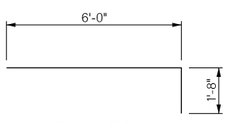
PH1 #4 x 14'-7"
S1 #5 x 14'-9"



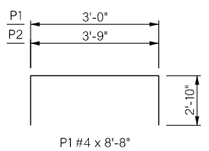
BH5 #5 x 7'-10"



BH4 #4 x 5'-6"



BH6 #6 x 7'-8"



P1 #4 x 8'-8"
P2 #4 x 9'-5"

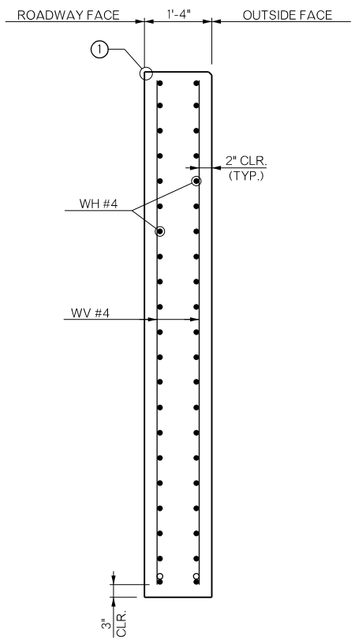
Preliminary Plans

BRIDGE "A" I-35 NB OVER WATERLOO RD.	OKLAHOMA & LOGAN COUNTIES	DESIGN	DPE	12/24
ABUTMENT DETAILS (SHEET 2 OF 4)		DETAIL	SJL	12/24
		CHECK	DPE	1/25
GARVER				
STATE OF OKLAHOMA	DEPARTMENT OF TRANSPORTATION			
	JOB PIECE NO. 29843(04)	SHEET NO. B007		

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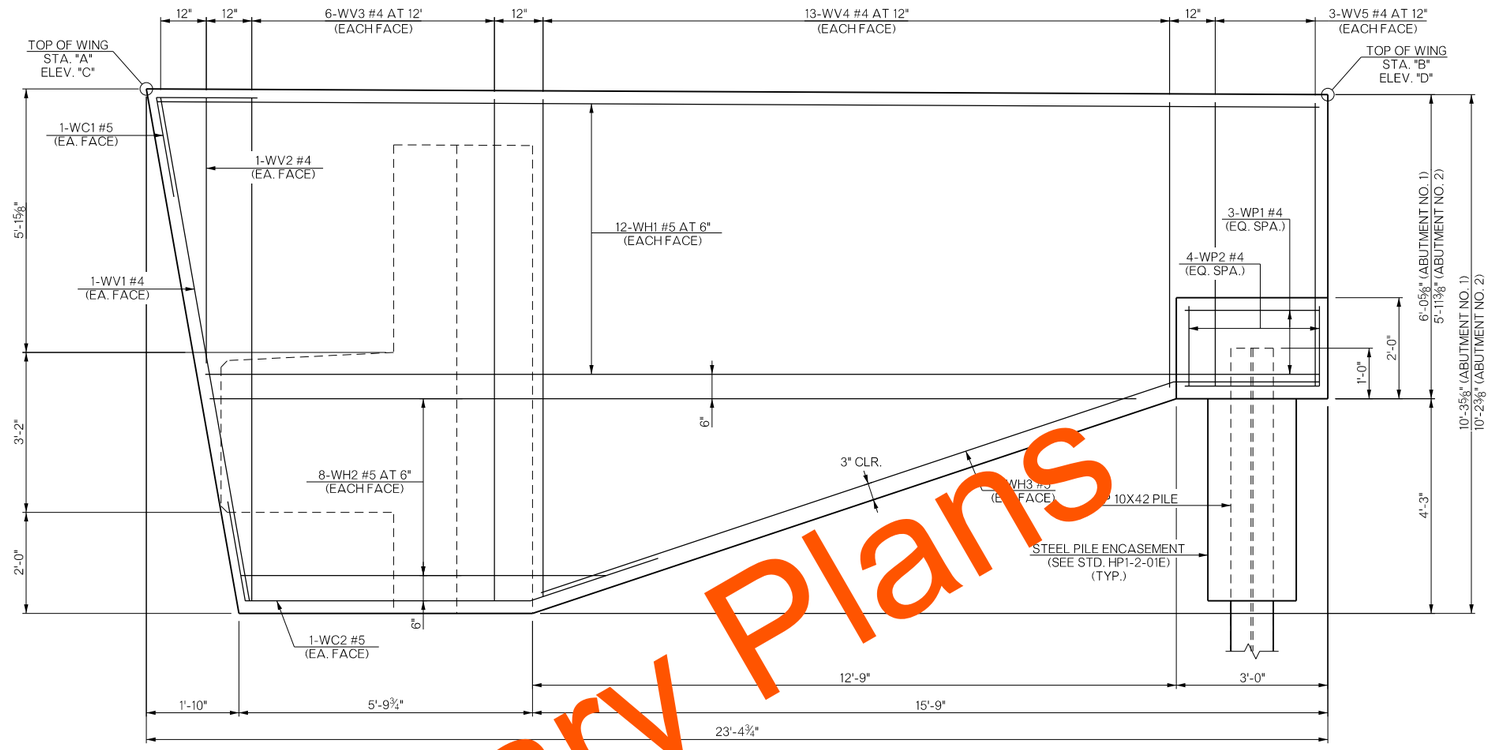
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/26/2025



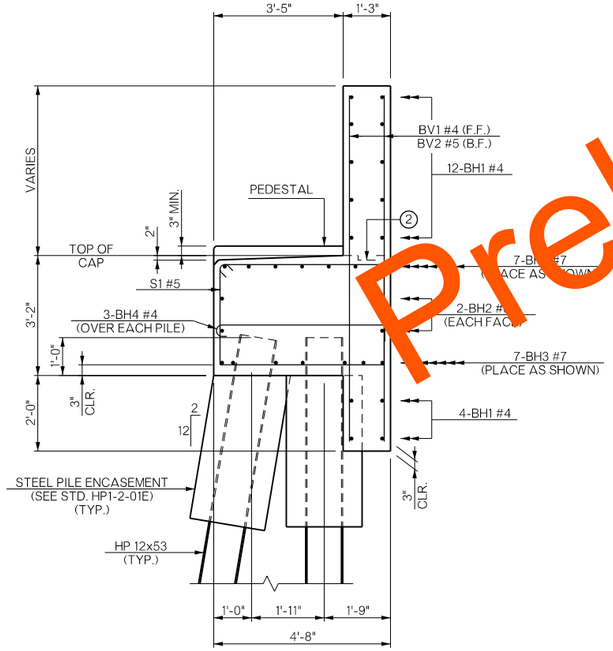
SECTION THRU WING

1 TOP CORNER OF ROADWAY FACE OF ABUTMENT WING SHALL NOT BE CHAMFERED.



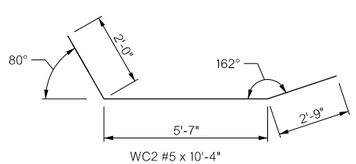
WING ELEVATION

TABLE OF VARIABLES				
ABUT. NO.	STA. "A"	STA. "B"	ELEV. "C"	ELEV. "D"
1	138+23.81	138+00.42	1116.09	1116.11
2	140+19.19	140+42.58	1115.52	1115.41

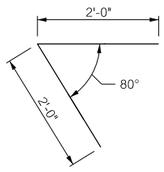


TYPICAL SECTION THRU ABUTMENT

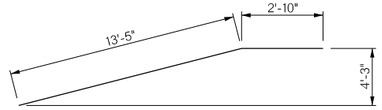
2 1½" X 5½" KEYED CONSTRUCTION JOINT.



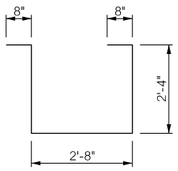
WC2 #5 x 10'-4"



WC1 #5 x 4'-0"



WH3 #6 x 16'-3"

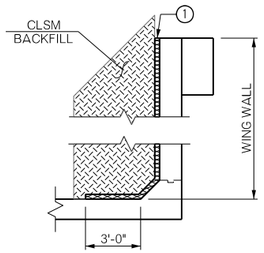


WP1 #4 x 8'-8"

Preliminary Plans

BRIDGE "A" I-35 NB OVER WATERLOO RD.	OKLAHOMA & LOGAN COUNTIES	DESIGN	DPE	12/24
ABUTMENT DETAILS (SHEET 3 OF 4)		DETAIL	SJL	12/24
		CHECK	DPE	1/25
		GARVER		
STATE OF OKLAHOMA	DEPARTMENT OF TRANSPORTATION			
	JOB PIECE NO. 29843(04)	SHEET NO. B008		

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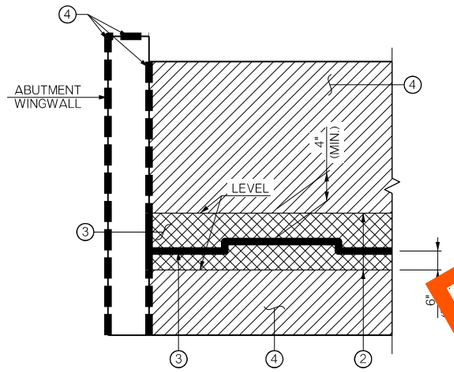
CARDBOARD VOID FORM

VOID FORM DETAILS

(1) 1" CARDBOARD VOID FORM. THE VOID FORM SHALL BE ABLE TO WITHSTAND CRUSHING DUE TO POURING AND CURING OF CLSM BACKFILL AND MAINTAIN 1" VOID. COST TO BE INCLUDED IN OTHER ITEMS OF WORK.

THE CARDBOARD VOID FORM SHALL PROVIDE A TEMPORARY SUPPORT DURING PLACEMENT OF THE CLSM. AFTER THE CLSM CAN SUPPORT FOOT TRAFFIC THE VOID FORM SHALL LOSE STRENGTH AND CREATE A 1" SPACE IN PLACE OF THE VOID FORM SUCH AS SEPARATOR VOID AS MANUFACTURED BY SUREVOID PRODUCTS OR AN APPROVED EQUAL. PRODUCT INFORMATION FOR SEPARATOR VOID CAN BE OBTAINED FROM SUREVOID PRODUCTS OF ENGLEWOOD, COLORADO, PHONE NUMBER 800-458-5444.

THE VOID FORM SHALL BE PLACED THE ENTIRE LENGTH OF THE WING WALL, FROM THE BOTTOM OF EXCAVATION TO THE TOP OF THE CLSM POUR. THE FORM SHALL EXTEND A MINIMUM OF 3'-0" ALONG THE BACKWALL, AND A MINIMUM OF 1'-0" BEYOND ANY BACKWALL BREAKLINES.



CONCRETE TREATMENT DETAILS

(2) MASK SIDES AND ENDS OF ABUTMENT CAP ALONG THIS LINE TO PROVIDE A CLEAN STRAIGHT FINISH AT TOP AND BOTTOM OF ELASTOMERIC COATING APPLICATION. SEE "GENERAL NOTE" ON SHEET NO. AB01 FOR ELASTOMERIC COATING SPECIFICATIONS.

(3) APPLY CIM-100 (ELASTOMERIC COATING), TO THE SURFACES INDICATED BY CROSSHATCH AND HEAVY LINES, INCLUDING PEDESTALS, BACKWALL, AND INSIDE FACE OF WINGWALL.

(4) APPLY WATER REPELLENT TO THE SURFACES INDICATED BY HATCH AND HEAVY DASHED LINES. INCLUDING THE FRONT FACES OF THE BACKWALL AND CAP, AND TOP, INSIDE, AND OUTSIDE FACES OF THE WING.

SUMMARY OF QUANTITIES

	ITEM	UNIT	ABUT. NO. 1	ABUT. NO. 2	TOTAL
	SUBSTRUCTURE EXCAVATION COMMON	CY	110.00	110.00	220.00
(5)	CLSM BACKFILL	CY	151.70	148.00	299.70
	CLASS A CONCRETE	CY	65.50	65.50	131.00
	CLASS C CONCRETE	CY	5.50	6.70	12.20
	EPOXY COATED REINFORCING STEEL	LB	6,720.00	6,720.00	13,440.00
	PILES, FURNISHED (HP 10X42)	LF	48.00	89.00	137.00
	PILES, FURNISHED (HP 12X53)	LF	410.00	788.00	1,198.00
	PILES, DRIVEN (HP 10X42)	LF	48.00	89.00	137.00
	PILES, DRIVEN (HP 12X53)	LF	410.00	788.00	1,198.00
	WATER REPELLENT (VISUALLY INSPECTED)	SY	48.00	48.00	96.00
	ELASTOMERIC COATING	SF	399.00	399.00	798.00
	6" PERFORATED PIPE UNDERDRAIN ROUND	LF	61.00	61.00	[illegible]
	6" NON-PERF.PIPE UNDERDRAIN RND.	LF	15.00	15.00	30.00

(5) QUANTITIES ARE COMPUTED BASED ON ACTUAL GRADING. CONTRACTOR SHALL IGNORE NOTE 2 ON THE ODOT STANDARD DRAWING.

BAR LIST - ABUTMENT NO. 1

	MARK	SIZE	NO.	FORM	LENGTH	LENGTH VARIATION
	EPOXY COATED REINFORCING STEEL					
(6)	BH1	#4	16	STR.	65'-1"	-
(7)	BH2	#5	4	STR.	65'-10"	-
(8)	BH3	#7	14	STR.	67'-8"	-
	BH4	#4	27	BENT	5'-6"	-
	BH5	#5	11	BENT	7'-10"	-
	BH6	#6	8	BENT	7'-8"	-
	BV1	#4	64	STR.	9'-4½" AVG.	[illegible]'-9" TO [illegible]'-0"
	BV2	#5	64	STR.	9'-4½" AVG.	[illegible]'-9" TO [illegible]'-0"
	BV3	#4	2	STR.	8'-9"	-
	P1	#4	30	BENT	[illegible]'-8"	-
	P2	#4	24	BENT	[illegible]'-5"	-
	PH	#4	6	BENT	[illegible]'-7"	-
	S1	#5	64	BENT	[illegible]'-9"	-

(6) INCLUDES ONE [illegible]'-10" LAP LENGTH
(7) INCLUDES ONE 3'-[illegible]" LAP LENGTH
(8) INCLUDES ONE 5'-5" LAP LENGTH
(9) TWO SETS OF 12
(10) TWO SETS OF 8
(11) TWO SETS OF 13

BAR LIST - ABUTMENT NO. 2

	MARK	SIZE	NO.	FORM	LENGTH	LENGTH VARIATION
	EPOXY COATED REINFORCING STEEL					
(6)	BH1	#4	16	STR.	65'-1"	-
(7)	BH2	#5	4	STR.	65'-10"	-
(8)	BH3	#7	14	STR.	67'-8"	-
	BH4	#4	27	BENT	5'-6"	-
	BH5	#5	11	BENT	7'-10"	-
	BH6	#6	8	BENT	7'-8"	-
	BV1	#4	64	STR.	9'-4½" AVG.	8'-9" TO 10'-0"
	BV2	#5	64	STR.	9'-4½" AVG.	8'-9" TO 10'-0"
	BV3	#4	2	STR.	8'-9"	-
	P1	#4	30	BENT	8'-8"	-
	P2	#4	24	BENT	9'-5"	-
	PH	#4	6	BENT	14'-7"	-
	S1	#5	64	BENT	14'-9"	-

BAR LIST - WING (ABUTMENT NO. 1)

	MARK	SIZE	NO.	FORM	LENGTH	LENGTH VARIATION
	EPOXY COATED REINFORCING STEEL					
	WC1	#5	2	BENT	4'-0"	-
	WC2	#5	2	BENT	10'-4"	-
(9)	WH1	#5	24	STR.	22'-5½" AVG.	22'-0" TO 22'-11"
(10)	WH2	#5	16	STR.	12'-8" AVG.	7'-2" TO 18'-2"
	WH3	#5	2	BENT	16'-3"	-
	WP1	#4	3	BENT	8'-8"	-
	WP2	#4	4	STR.	1'-7"	-
	WV1	#4	2	STR.	10'-0"	-
	WV2	#4	2	STR.	5'-7"	-
	WV3	#4	12	STR.	9'-10"	-
(11)	WV4	#4	26	STR.	7'-8" AVG.	5'-8" TO 9'-8"
	WV5	#4	6	STR.	5'-7"	-

BAR LIST - WING (ABUTMENT NO. 2)

	MARK	SIZE	NO.	FORM	LENGTH	LENGTH VARIATION
	EPOXY COATED REINFORCING STEEL					
	WC1	#5	2	BENT	4'-0"	-
	WC2	#5	2	BENT	10'-4"	-
(9)	WH1	#5	24	STR.	22'-6½" AVG.	22'-1" TO 23'-0"
(10)	WH2	#5	16	STR.	12'-9½" AVG.	7'-4" TO 18'-3"
	WH3	#5	2	BENT	16'-3"	-
	WP1	#4	3	BENT	8'-8"	-
	WP2	#4	4	STR.	1'-7"	-
	WV1	#4	2	STR.	10'-0"	-
	WV2	#4	2	STR.	5'-7"	-
	WV3	#4	12	STR.	9'-10"	-
(11)	WV4	#4	26	STR.	7'-7" AVG.	5'-7" TO 9'-7"
	WV5	#4	6	STR.	5'-6"	-

Preliminary Plans

BRIDGE "A"
I-35 NB OVER WATERLOO RD.
OKLAHOMA & LOGAN COUNTIES

ABUTMENT DETAILS
(SHEET 4 OF 4)

DESIGN	DPE	12/24
DETAIL	SJL	12/24
CHECK	DPE	1/25

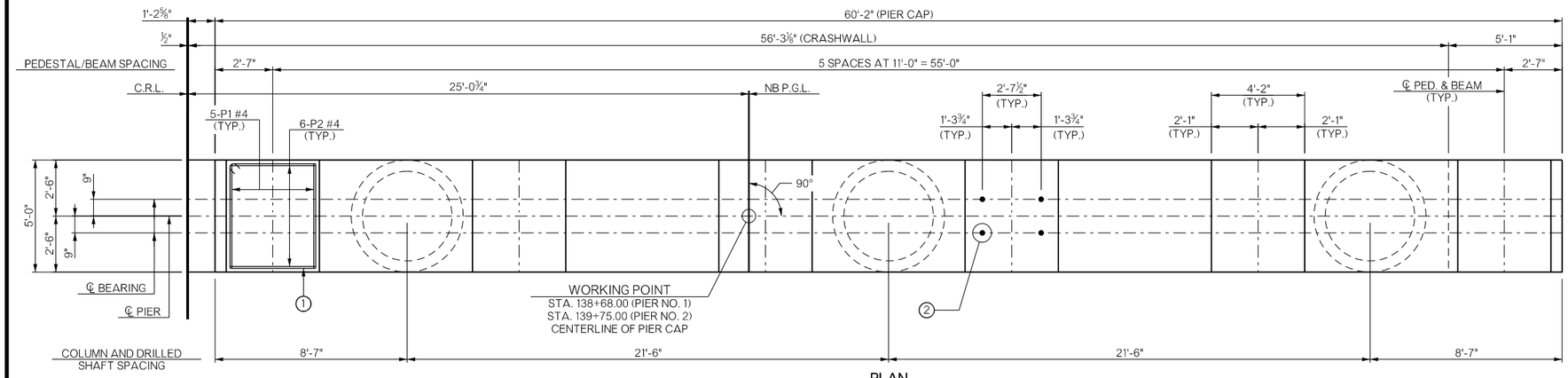
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STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION
JOB PIECE NO. 29843(04)
SHEET NO. B009

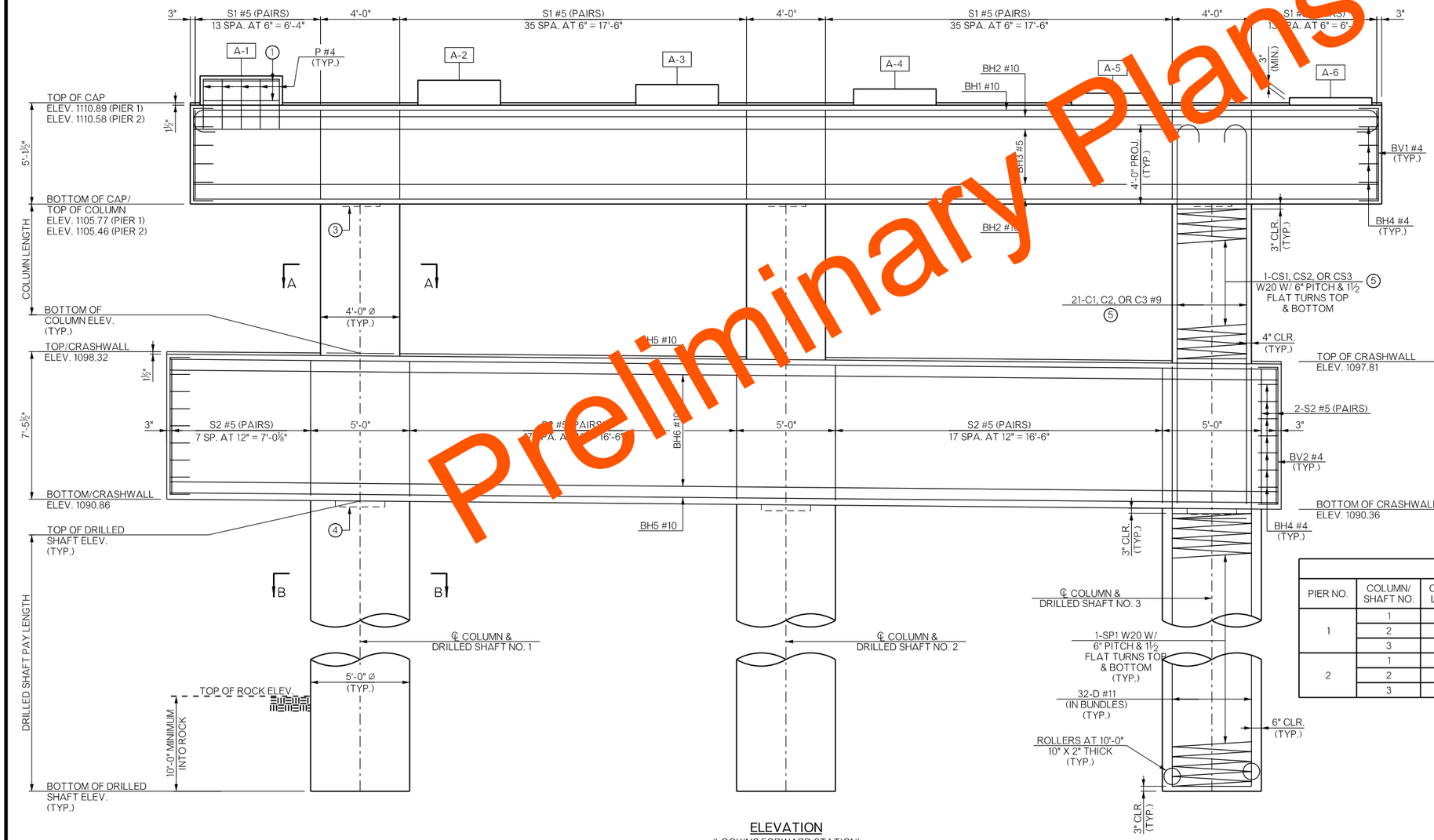
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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/26/2025

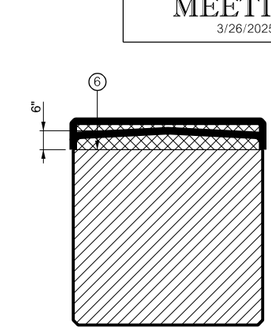


PLAN



ELEVATION
(LOOKING FORWARD STATION)

Preliminary Plans



ELASTOMERIC COATING

WATER REPELLENT

CONCRETE TREATMENT DETAILS

(6) MASK SIDES AND ENDS OF PIER CAP AND ALONG THIS LINE TO PROVIDE A CLEAN STRAIGHT FINISH AT TOP AND BOTTOM OF ELASTOMERIC COATING APPLICATION. SEE "GENERAL NOTE" ON SHEET NO. AB01 FOR ELASTOMERIC COATING SPECIFICATIONS.

(1) 2-PH #4 (PEDESTALS A-1 & A-2)
1-PH #4 (PEDESTAL A-3 & A-4)
(2) 4-1½" ø ANCHOR BOLTS
(TYP. AT EACH PEDESTAL)
(3) KEYED CONST. JOINT 2'-0" SQ. X 1½" DEEP
(4) KEYED CONST. JOINT 2'-6" SQ. X 3½" DEEP
(5) C1 #9 & CS1 W20 (COLUMN NO. 1)
C2 #9 & CS2 W20 (COLUMN NO. 2)
C3 #9 & CS3 W20 (COLUMN NO. 3)

BEAM SEAT ELEVATIONS

PIER. NO.	A-1	A-2	A-3	A-4	A-5	A-6
1	1112.24	1112.02	1111.80	1111.58	1111.36	1111.14
2	1111.93	1111.71	1111.49	1111.27	1111.05	1110.83

TABLE OF VARIABLES

PIER NO.	COLUMN/ SHAFT NO.	COLUMN LENGTH	BOTTOM OF COLUMN ELEV.	TOP OF DRILLED SHAFT ELEV.	DRILLED SHAFT PAY LENGTH	BOTTOM OF DRILLED SHAFT ELEV.
1	1	7'-6½"	1098.23	1090.77	51'-0"	1039.77
	2	7'-8¾"	1098.04	1090.58	51'-0"	1039.58
	3	7'-11"	1097.85	1090.39	51'-0"	1039.39
2	1	7'-2¾"	1098.23	1090.77	87'-0"	1003.77
	2	7'-5"	1098.04	1090.58	87'-0"	1003.58
	3	7'-7⅜"	1097.85	1090.39	87'-0"	1003.39

BRIDGE "A"
I-35 NB OVER WATERLOO RD.

OKLAHOMA & LOGAN COUNTIES

PIER DETAILS
(SHEET 1 OF 2)

DESIGN	DPE	8/20
DETAIL	SJL	1/25
CHECK	DPE	1/25

GARVER

STATE OF OKLAHOMA

DEPARTMENT OF TRANSPORTATION

JOB PIECE NO. 29843(04)

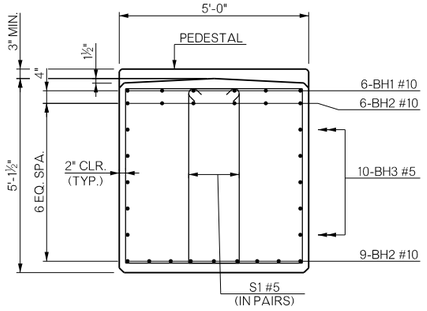
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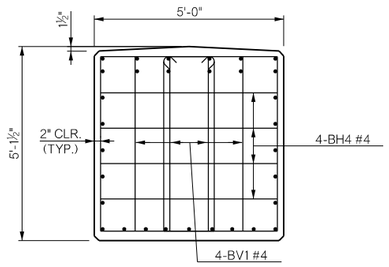
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

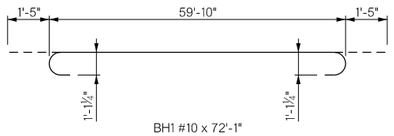
3/26/2025



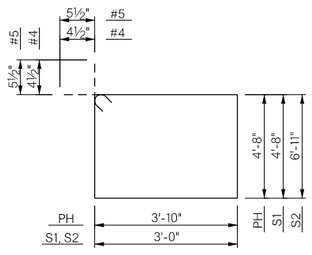
TYPICAL SECTION THRU CAP



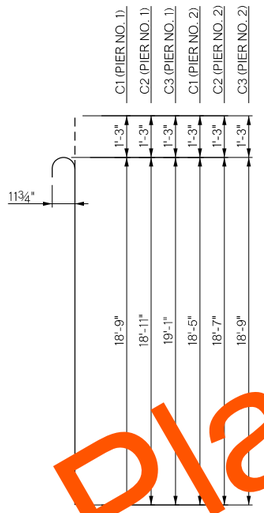
END OF PIER CAP REINFORCING



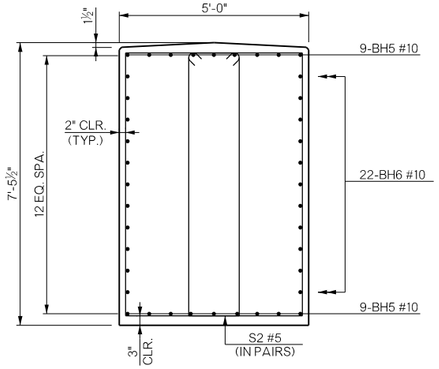
BH1 #10 x 72'-1"



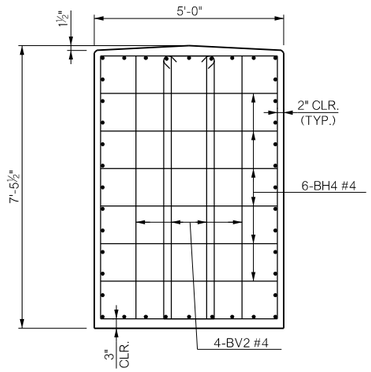
PH #4 x 17'-9"
S1 #5 x 16'-3"
S2 #5 x 20'-9"



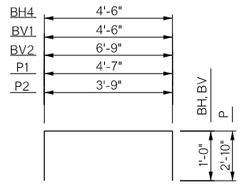
PIER NO. 1:
C1 #9 x 20'-0"
C2 #9 x 20'-2"
C3 #9 x 20'-4"
PIER NO. 2:
C1 #9 x 19'-8"
C2 #9 x 19'-10"
C3 #9 x 20'-0"



TYPICAL SECTION THRU CRASHWALL



END OF CRASHWALL REINFORCING

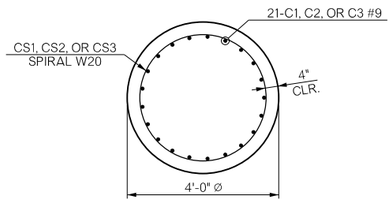


BH4 #4 x 6'-6"
BV1 #4 x 6'-6"
BV2 #4 x 8'-9"
P1 #4 x 10'-3"
P2 #4 x 9'-5"

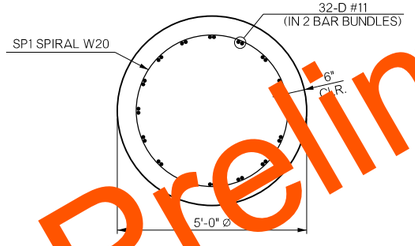
BAR LIST - PIER NO. 1				
MARK	SIZE	NO.	FORM	LENGTH
EPOXY COATED REINFORCING STEEL				
① BH1	#10	6	BENT	72'-1"
BH2	#10	15	STR.	59'-10"
BH3	#5	10	STR.	59'-10"
BH4	#4	20	BENT	6'-6"
BH5	#10	18	STR.	55'-11"
BH6	#10	22	STR.	55'-11"
BV1	#4	8	BENT	6'-6"
BV2	#4	8	BENT	8'-9"
C1	#9	21	BENT	20'-0"
C2	#9	21	BENT	20'-2"
C3	#9	21	BENT	20'-4"
P1	#4	30	BENT	10'-3"
P2	#4	36	BENT	9'-5"
PH	#4	6	BENT	17'-9"
S1	#5	200	BENT	16'-3"
S2	#5	92	BENT	20'-9"
REINFORCING STEEL				
CS1	W20	1	SPIRAL	181'-7"
CS2	W20	1	SPIRAL	185'-9"
CS3	W20	1	SPIRAL	189'-9"

① INCLUDES ONE 9'-5" LAP LENGTH.

BAR LIST - PIER NO. 1				
MARK	SIZE	NO.	FORM	LENGTH
EPOXY COATED REINFORCING STEEL				
① BH1	#10	6	BENT	72'-1"
BH2	#10	15	STR.	59'-10"
BH3	#5	10	STR.	59'-10"
BH4	#4	20	BENT	6'-6"
BH5	#10	18	STR.	55'-11"
BH6	#10	22	STR.	55'-11"
BV1	#4	8	BENT	6'-6"
BV2	#4	8	BENT	8'-9"
C1	#9	21	BENT	19'-8"
C2	#9	21	BENT	19'-10"
C3	#9	21	BENT	20'-0"
P1	#4	30	BENT	10'-3"
P2	#4	36	BENT	9'-5"
PH	#4	6	BENT	17'-9"
S1	#5	200	BENT	16'-3"
S2	#5	92	BENT	20'-9"
REINFORCING STEEL				
CS1	W20	1	SPIRAL	175'-3"
CS2	W20	1	SPIRAL	179'-3"
CS3	W20	1	SPIRAL	183'-3"

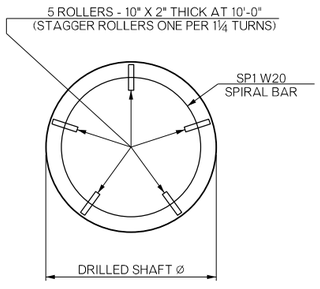


SECTION A-A

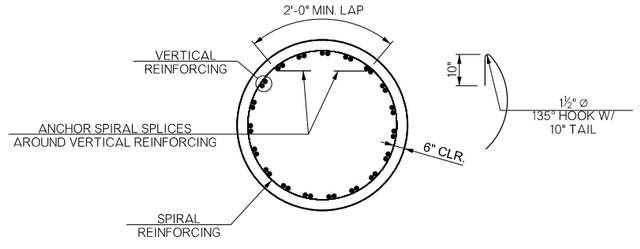


SECTION B-B

SUMMARY OF QUANTITIES - PIERS				
ITEM	UNIT	PIER NO. 1	PIER NO. 2	TOTAL
CLASS A CONCRETE	CY	148.30	147.90	296.20
REINFORCING STEEL	LB	380.00	370.00	750.00
EPOXY COATED REINFORCING STEEL	LB	26,380.00	26,310.00	52,690.00
WATER REPELLENT (VISUALLY INSPECTED)	SY	215.00	215.00	430.00
DRILLED SHAFTS 60" DIAMETER	LF	153.00	260.00	413.00
ELASTOMERIC COATING	SF	464.00	464.00	928.00

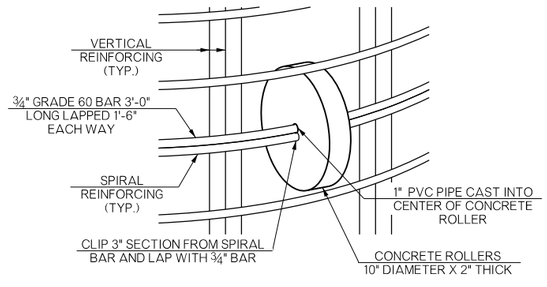


ROLLER PLACEMENT



DETAIL OF SPIRAL REINFORCING STEEL

NOTE:
SPIRAL BARS SHALL CONFORM TO AASHTO M32. SPIRAL BAR LENGTH DOES NOT INCLUDE LAP. IF LAP IS REQUIRED, THE LENGTH OF THE LAP SHALL BE AS SHOWN.



DETAILS OF CONCRETE ROLLER INSTALLATION

NOTE:
CONCRETE USED IN THE CONCRETE ROLLERS SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4,000 PSI. SLAB BOLSTERS, HIGH CHAIRS AND PLASTIC ROLLERS SHALL NOT BE SUBSTITUTED FOR THE CONCRETE ROLLERS.

BAR LIST - DRILLED SHAFTS ② ③ (PIER NO. 1)				
MARK	SIZE	NO.	FORM	LENGTH
EPOXY COATED REINFORCING STEEL				
D1	#11	32	STR.	57'-7"
REINFORCING STEEL				
SP1	W20	1	SPIRAL	1,307'-11"

BAR LIST - DRILLED SHAFTS ② ③ (PIER NO. 2)				
MARK	SIZE	NO.	FORM	LENGTH
EPOXY COATED REINFORCING STEEL				
④ D1	#11	32	STR.	101'-5"
REINFORCING STEEL				
SP1	W20	1	SPIRAL	2,213'-5"

② ONE SHOWN, THREE REQUIRED

③ INCLUDED IN THE PRICE BID PER LINEAR FOOT OF "DRILLED SHAFTS 60" DIAMETER".

④ INCLUDES ONE 7'-10" LAP LENGTH. LAP LOCATIONS SHALL BE STAGGERED.

Preliminary Plans

BRIDGE "A"
I-35 NB OVER WATERLOO RD.

OKLAHOMA & LOGAN COUNTIES

PIER DETAILS (SHEET 2 OF 2)

DESIGN	DPE	8/20
DETAIL	SJL	1/25
CHECK	DPE	1/25

GARVER

STATE OF OKLAHOMA

DEPARTMENT OF TRANSPORTATION

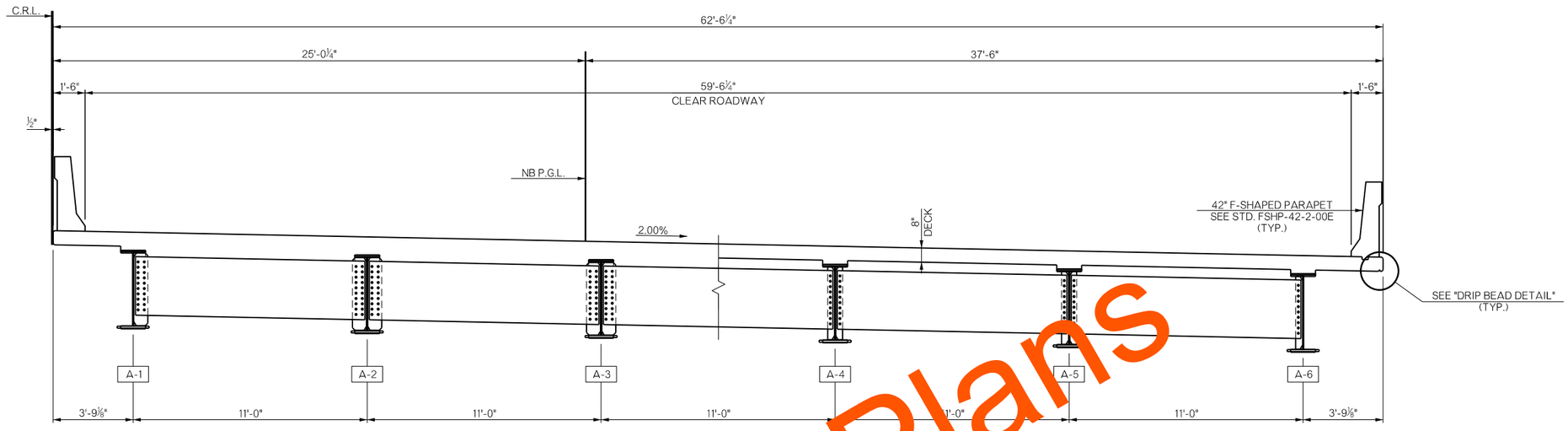
JOB PIECE NO. 29843(04)

SHEET NO. B011

3/26/2025 08:47:55 L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\Bridge\29843O4-A-PIER DETAILS 2.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

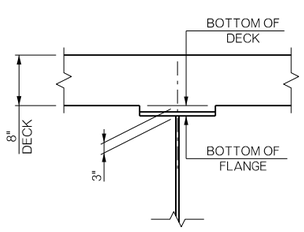
FINAL FIELD MEETING
3/26/2025



HALF SECTION AT END DIAPHRAGM

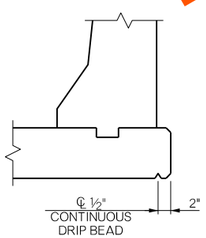
HALF SECTION AT INTERMEDIATE DIAPHRAGM

TYPICAL SECTION
(LOOKING FORWARD STATION)

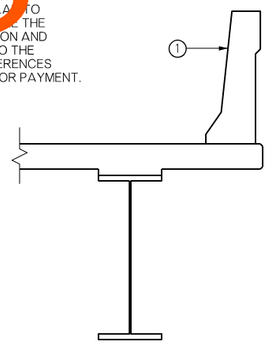


GIRDER HAUNCH DETAIL

NOTE:
PLAN QUANTITIES FOR CLASS AA CONCRETE INCLUDE GIRDER HAUNCHES. THE HAUNCH HEIGHT SHOWN IS THE THEORETICAL HAUNCH HEIGHT AT THE CENTERLINE BEARING ONLY, MEASURED FROM BOTTOM OF DECK SLAB TO BOTTOM OF TOP FLANGE, AND CARRIES ACROSS THE SPAN. DURING THE ACTUAL HAUNCH HEIGHT (ACCOUNTING FOR DEAD LOAD DEFLECTION AND ROADWAY GRADE) AFTER ERECTION OF THE BEAMS AND SUBMIT TO THE ENGINEER FOR APPROVAL. THE ENGINEER WILL NOT MEASURE DIFFERENCES BETWEEN THE THEORETICAL AND THE ACTUAL HAUNCH HEIGHTS FOR PAYMENT. THERE IS AN ESTIMATED 7.80 C.Y. OF CONCRETE IN THE HAUNCHES.



DRIP BEAD DETAIL



CONCRETE TREATMENT DETAIL

SUMMARY OF QUANTITIES - SUPERSTRUCTURE		
ITEM	UNIT	TOTAL
SAW-CUT GROOVING	SY	1,365.70
42" F-SHAPED PARAPET	LF	413.40
STRUCTURAL STEEL M270 GRADE 50W	LB	297,770.00
STAINLESS STEEL FIXED BEARING ASSEMBLY	EA	12.00
STAINLESS STEEL EXP. BEARING ASSEMBLY	EA	24.00
CLASS AA CONCRETE	CY	334.30
EPOXY COATED REINFORCING STEEL	LB	109,740.00
WATER REPELLENT (VISUALLY INSPECTED)	SY	202.00
SEALED EXPANSION JOINTS	LF	60.53
SEALER CRACK PREPARATION	LF	60.00
SEALER RESIN	GAL	0.50

(1) APPLY WATER REPELLENT TREATMENT TO THE ROADWAY FACE AND TOP OF PARAPETS.

Preliminary Plans

BRIDGE "A"
I-35 NB OVER WATERLOO RD.

OKLAHOMA & LOGAN COUNTIES

TYPICAL SECTION

DESIGN	DPE	5/18
DETAIL	SJL	1/20
CHECK	DPE	1/25

GARVER

STATE OF OKLAHOMA

DEPARTMENT OF TRANSPORTATION

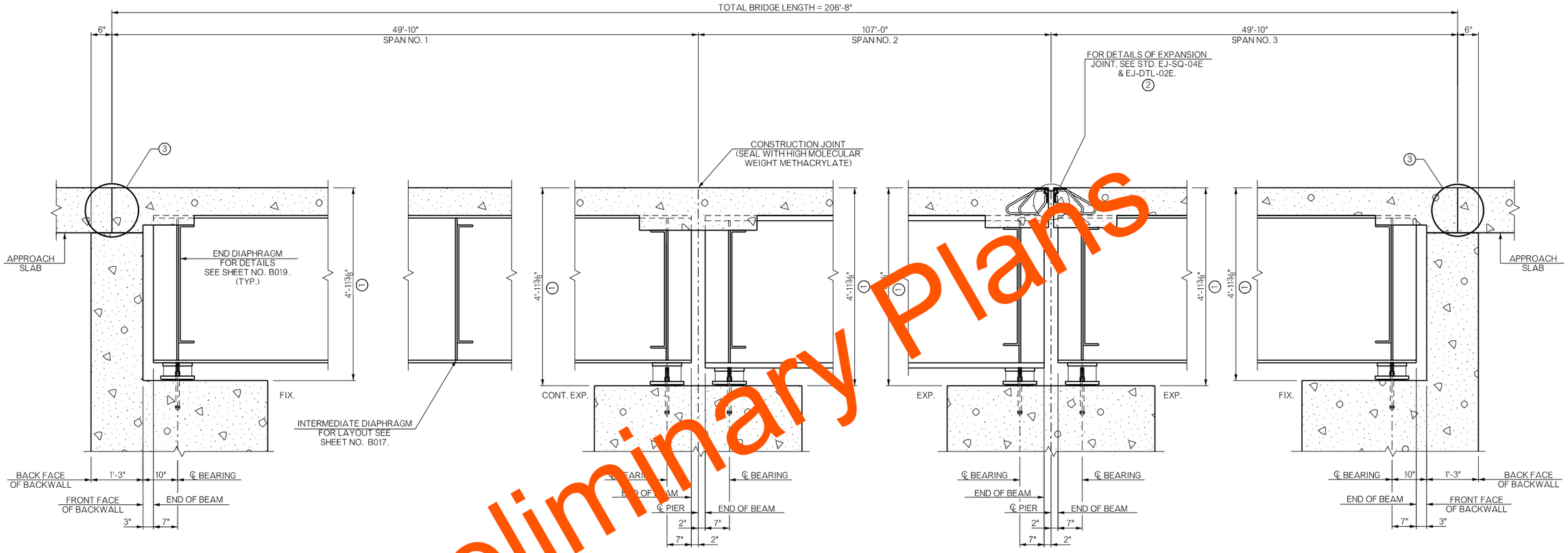
JOB PIECE NO. 29843(04)

SHEET NO. B012

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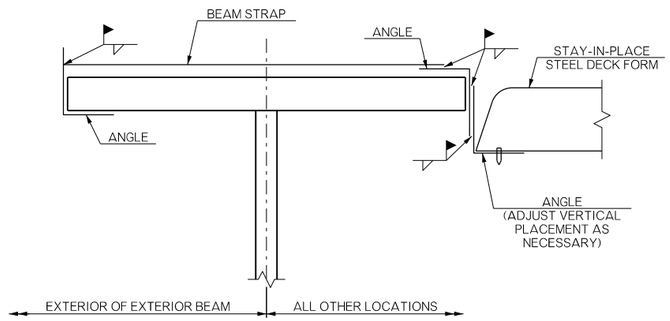
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/26/2025



Preliminary Plans

LONGITUDINAL SECTION



STAY-IN-PLACE STEEL DECK FORM FLANGE CONNECTION DETAIL

NOTE:
DO NOT WELD TO THE TOP FLANGE OR STUDS. REPORT ANY ARC STRIKE, WELD SPLATTER OR WELDING ON TOP FLANGE TO THE BRIDGE ENGINEER IMMEDIATELY.

(1) DIMENSION IS FROM TOP OF DECK SLAB TO BOTTOM OF BEARING ASSEMBLY AT ℄ BEARING.

(2) SEE EXPANSION JOINT OPENING EQUATION ON SHEET NO. B015 .

(3) SEE "SAWED AND SEALED JOINT" DETAIL ON SHEET NO. B023 .

DECK SLAB NOTES:

EPOXY-COAT OR GALVANIZE STEEL ITEMS USED TO FACILITATE CONSTRUCTION, SUCH AS DECK FORM HANGERS, TY-BAR CLIPS, INSERT WELD ANCHORS, OR OTHER APPURTENANCES THAT WILL REMAIN IN PLACE IN THE DECK SLAB. EPOXY-COAT IN ACCORDANCE WITH AASHTO M284 OR GALVANIZE IN ACCORDANCE WITH AASHTO M111.

IN THE EVENT OF AN EMERGENCY, HALT THE PLACEMENT OF CONCRETE BY FORMING A CONSTRUCTION JOINT MADE PERPENDICULAR TO THE DIRECTION OF TRAFFIC OR AS DIRECTED BY THE ENGINEER. DO NOT PLACE ANY HEAVY EQUIPMENT ON THE FINISHED DECK SLAB WITHIN 5' OF ANY CONSTRUCTION JOINT UNTIL CONCRETE IS IN PLACE ON BOTH SIDES OF THE RESPECTIVE JOINT AND AT LEAST 48 HOURS HAS ELAPSED SINCE CONCRETE PLACEMENT.

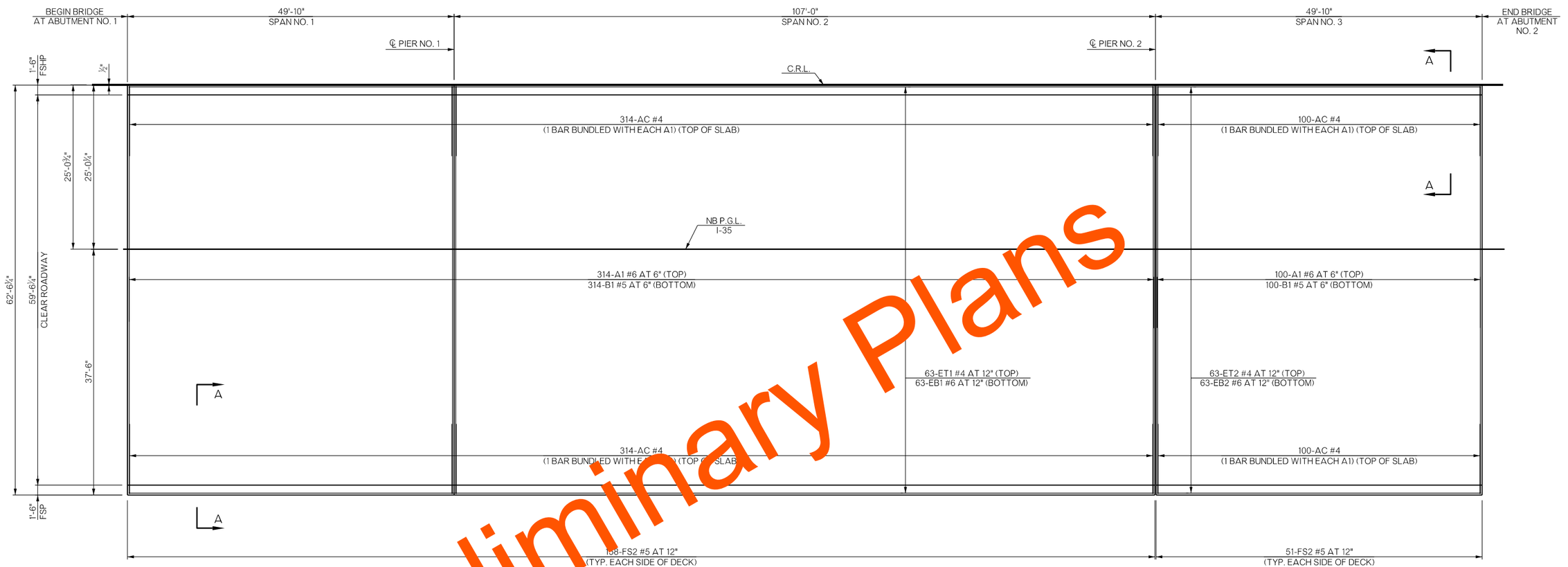
SEAL ALL DECK SLAB CONSTRUCTION JOINTS WITH HIGH MOLECULAR WEIGHT METHACRYLATE IN ACCORDANCE WITH SECTION 523 OF THE SPECIFICATIONS. INCLUDE ALL COST OF EQUIPMENT AND LABOR FOR THE INSTALLATION OF THE HIGH MOLECULAR WEIGHT METHACRYLATE SEALER IN THE CONTRACT UNIT PRICE OF "SEALER CRACK PREPARATION". INCLUDE ALL COST OF THE HIGH MOLECULAR WEIGHT METHACRYLATE SEALER IN THE CONTRACT UNIT PRICE OF "SEALER RESIN". THE DEPARTMENT WILL NOT MEASURE THE PREPARATION AND SEALER OF EMERGENCY CONSTRUCTION JOINTS FOR PAYMENT.

BRIDGE "A" I-35 NB OVER WATERLOO RD.	OKLAHOMA & LOGAN COUNTIES	DESIGN	DPE 4/24
		DETAIL	CDB 4/24
LONGITUDINAL SECTION		CHECK	DPE 1/25
		GARVER	
STATE OF OKLAHOMA	DEPARTMENT OF TRANSPORTATION		
	JOB PIECE NO. 29843(04)	SHEET NO. B013	

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

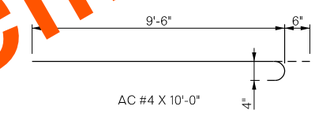
FINAL FIELD MEETING
3/26/2025



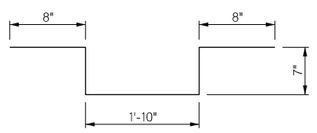
Preliminary Plans

BAR LIST - SUPERSTRUCTURE					
	MARK	SIZE	NO.	FORM	LENGTH
	EPOXY COATED REINFORCING STEEL				
①	A1	#6	414	BENT	67'-1"
	AC	#4	828	BENT	10'-0"
	AH1	#4	28	BENT	3'-1"
	AH2	#4	110	BENT	4'-2"
	AS	#4	126	BENT	5'-0"
②	AT1	#4	4	STR.	64'-2"
	AT2	#4	20	STR.	9'-8"
①	B1	#5	414	STR.	65'-9"
③	EB1	#6	63	STR.	163'-7"
	EB2	#6	63	STR.	49'-5"
	EPH	#4	126	BENT	3'-9"
	EPT1	#4	8	STR.	2'-10"
	EPT2	#4	20	STR.	9'-6"
④	ET1	#4	63	STR.	160'-5"
	ET2	#4	63	STR.	49'-5"
	FPH	#4	55	BENT	4'-4"
	FPT	#4	20	STR.	9'-6"
	FS2	#5	418	BENT	7'-4"

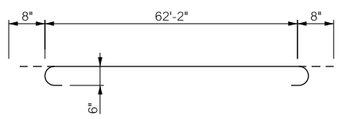
① INCLUDES ONE 3'-7" LAP LENGTH
② INCLUDES ONE 2'-0" LAP LENGTH
③ INCLUDES TWO 3'-7" LAP LENGTH
④ INCLUDES TWO 2'-0" LAP LENGTH



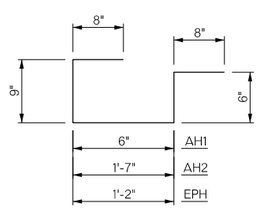
AC #4 X 10'-0"



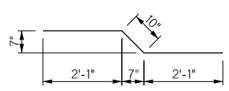
FPH #4 x 4'-4"



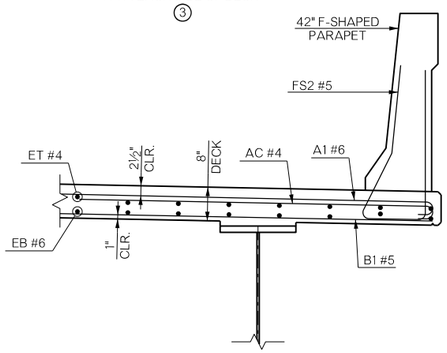
A1 #6 X 67'-1"



AH1 #4 x 3'-1"
AH2 #4 x 4'-2"
EPH #4 x 3'-9"



AS #4 x 5'-0"



SECTION A-A

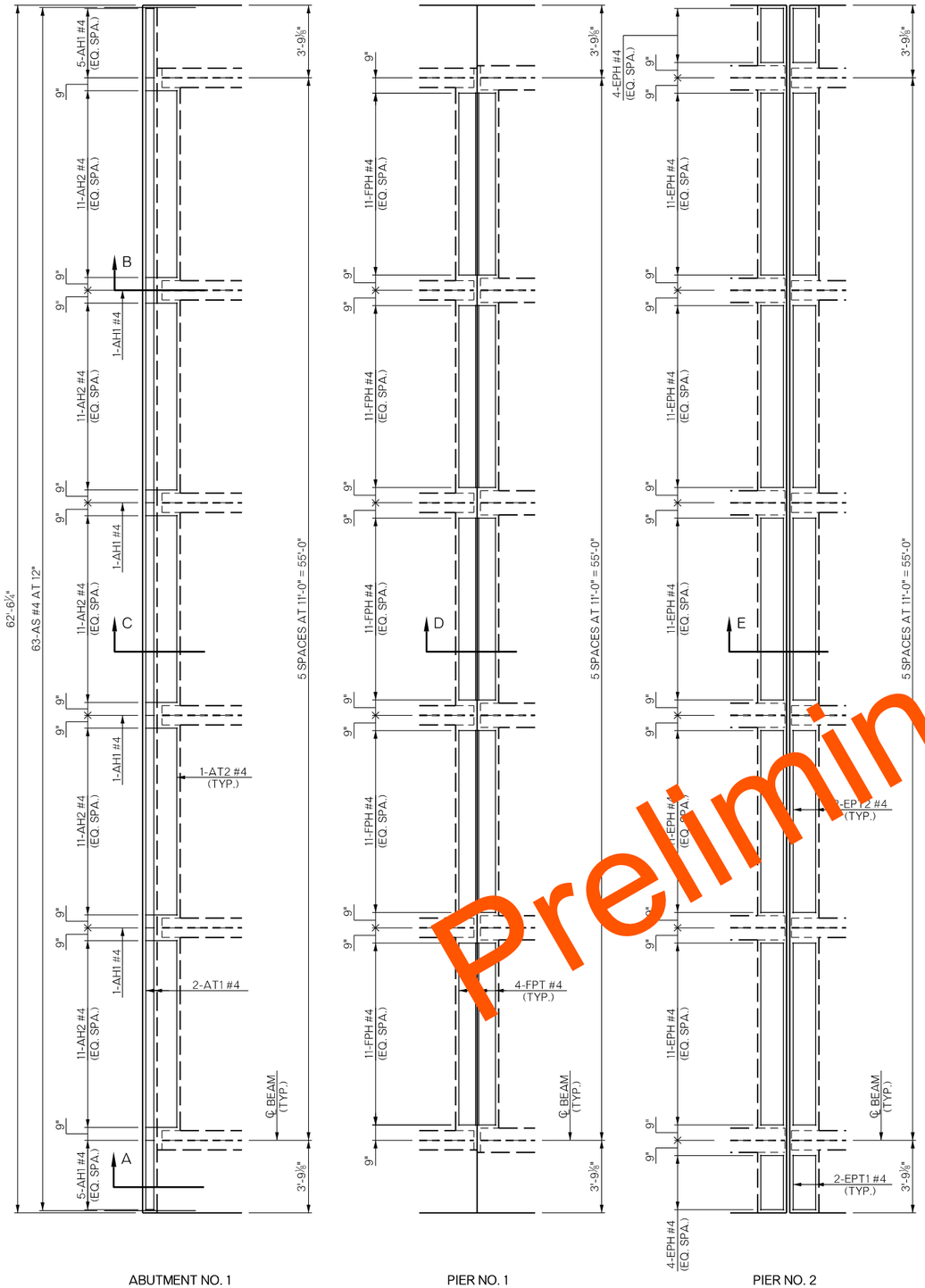
③ FOR ADDITIONAL INFORMATION ABOUT FSHP REINFORCING, SEE STD. FSHP-42-2-00E AND SHEET NO. B016 .

BRIDGE "A" I-35 NB OVER WATERLOO RD.	OKLAHOMA & LOGAN COUNTIES	DESIGN	CDB 4/24
		DETAIL	CDB 4/24
DECK LAYOUT		CHECK	DPE 1/25
		GARVER	
STATE OF OKLAHOMA	DEPARTMENT OF TRANSPORTATION		
	JOB PIECE NO. 29843(04)	SHEET NO. B014	

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/26/2025

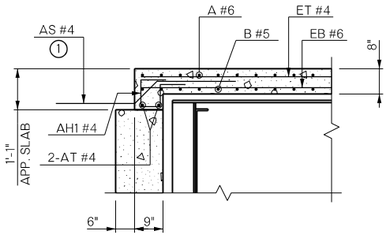


ABUTMENT NO. 1
(ABUTMENT NO. 1 SHOWN, ABUTMENT NO. 2 SIMILAR BUT OPPOSITE HAND)

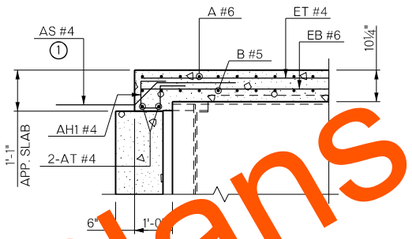
PIER NO. 1

PIER NO. 2
(NUMBER AND MARK OF BARS IS TYPICAL EACH SIDE OF JOINT)

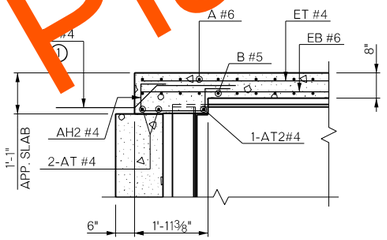
PLAN
(SHOWING ADDITIONAL REINFORCING AT TURNDOWNS)



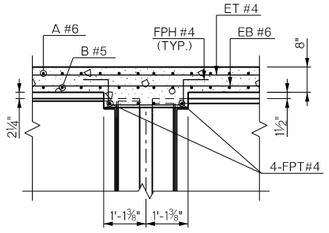
SECTION A



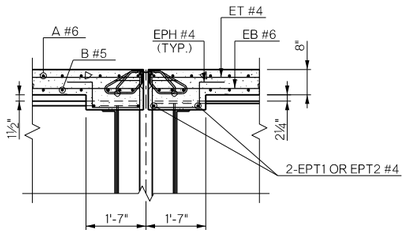
SECTION B



SECTION C



SECTION D



SECTION E

1. TIE TO TOP REINFORCING OF DECK SLAB AND EXTEND MID-DEPTH OF APPROACH SLAB (PLACE BOTTOM LEG OF AS #4 THROUGH JOINT).

2. THE EXPANSION JOINT OPENING SHALL BE SET AT THE TIME THE DECK SLAB CONCRETE IS POURED. THE WIDTH OF THE OPENING, CALCULATED IN INCHES, SHALL BE AS FOLLOWS:

   AT PIER NO. 2 = 2.9672 - (0.01612 x T)

   WHERE "T" EQUALS THE AMBIENT AIR TEMPERATURE IN DEGREES FAHRENHEIT AT THE TIME THE DECK SLAB CONCRETE IS POURED. SEE SECTION 509.04.B.1 OF THE STANDARD SPECIFICATIONS FOR TEMPERATURE LIMITATIONS.

   THE EXPANSION JOINT OPENING SHALL BE MEASURED PERPENDICULAR TO THE JOINT.

Preliminary Plans

BRIDGE "A"
I-35 NB OVER WATERLOO RD.

OKLAHOMA & LOGAN COUNTIES

DESIGN	CDB	4/24
DETAIL	SJL	4/24
CHECK	DPE	1/25

DECK TURNDOWN DETAILS

GARVER

STATE OF OKLAHOMA

DEPARTMENT OF TRANSPORTATION

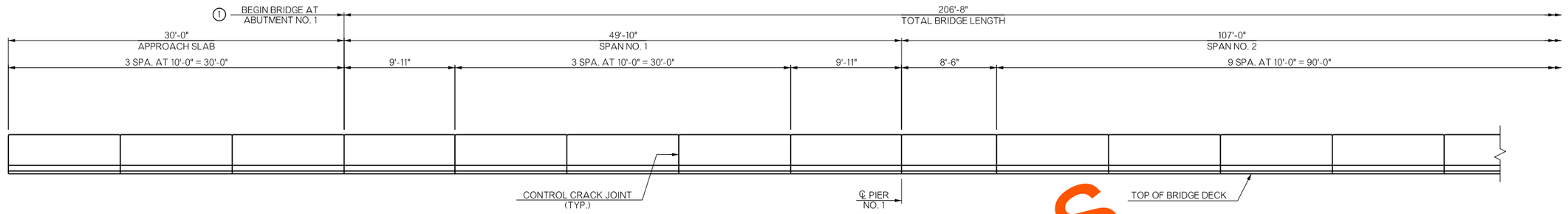
JOB PIECE NO. 29843(04)

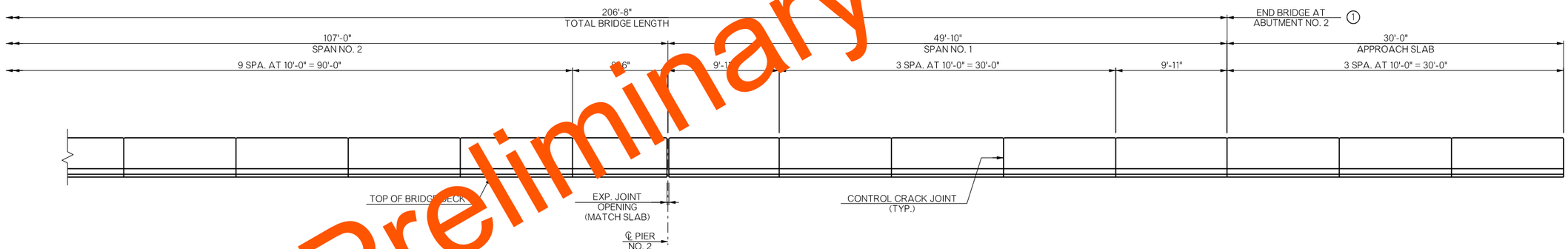
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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/26/2025





42" F-SHAPED PARAPET (WITHOUT OPENINGS)

(LOOKING AT INSIDE FACE OF WEST PARAPET; EAST PARAPET SIMILAR BUT OPPOSITE HAND)

Preliminary Plans

① CONSTRUCTION JOINT. HORIZONTAL REINFORCING SHALL END 2" EITHER SIDE OF JOINT.

NOTES:
FOR DETAILS SHOWING THE REINFORCEMENT LAYOUT AND BAR BEND DETAILS, SEE STD. FSHP-42-2-00E.

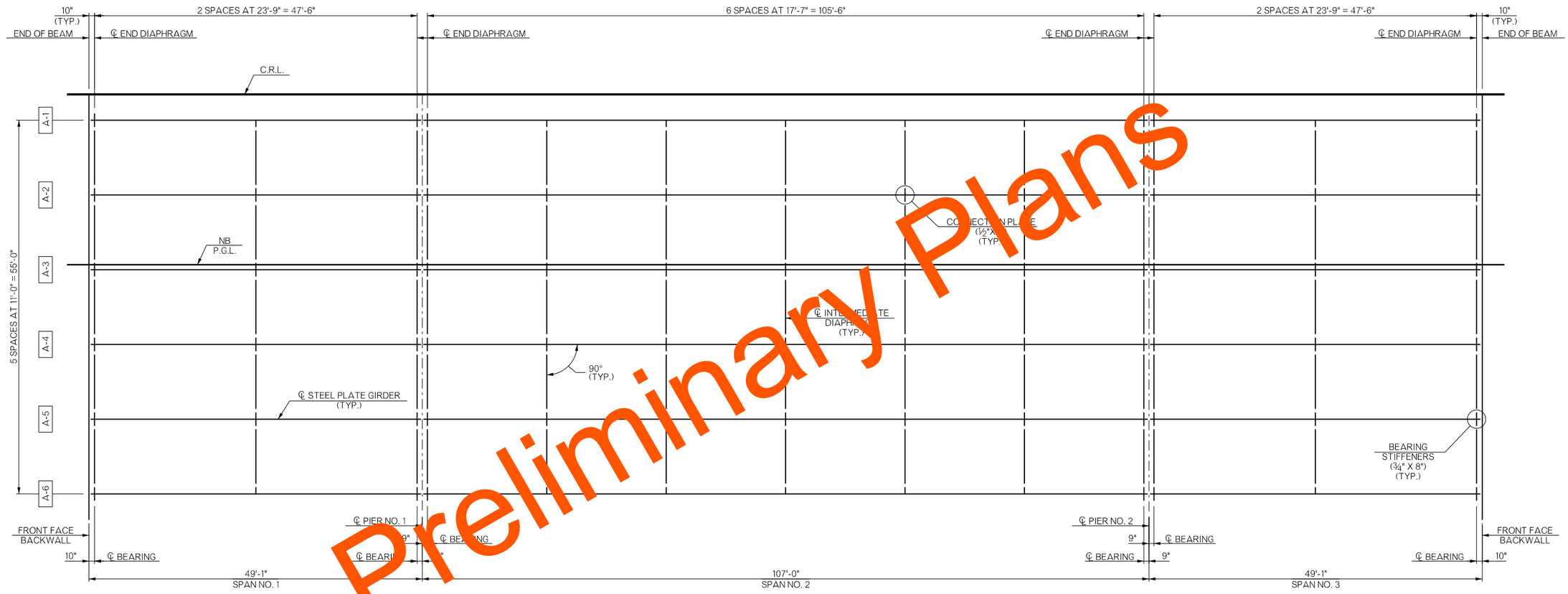
PROVIDE BLOCKOUTS FOR SEALED EXPANSION JOINTS.

BRIDGE "A" I-35 NB OVER WATERLOO RD.	OKLAHOMA & LOGAN COUNTIES	DESIGN DPE 8/20	
PARAPET LAYOUT		DETAIL SJL 10/20	
		CHECK DPE 1/25	GARVER
STATE OF OKLAHOMA	DEPARTMENT OF TRANSPORTATION	JOB PIECE NO. 29843(04)	SHEET NO. B016

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/26/2025



Preliminary Plans

FRAMING PLAN

NOTES:
FOR GIRDER AND BENT PLATE DIAPHRAGM DETAILS
SEE SHEET NOS. B018 & B019 .

BRIDGE "A" I-35 NB OVER WATERLOO RD.	OKLAHOMA & LOGAN COUNTIES	DESIGN	DPE	8/20
		DETAIL	SJL	4/24
FRAMING PLAN		CHECK	DPE	1/25
		GARVER		
STATE OF OKLAHOMA	DEPARTMENT OF TRANSPORTATION			
	JOB PIECE NO. 29843(04)	SHEET NO. B017		

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/26/2025

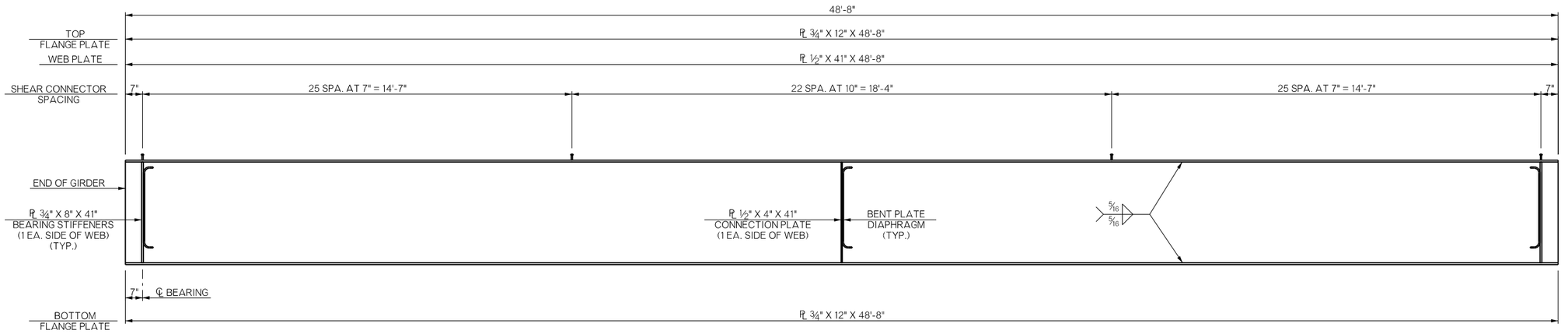
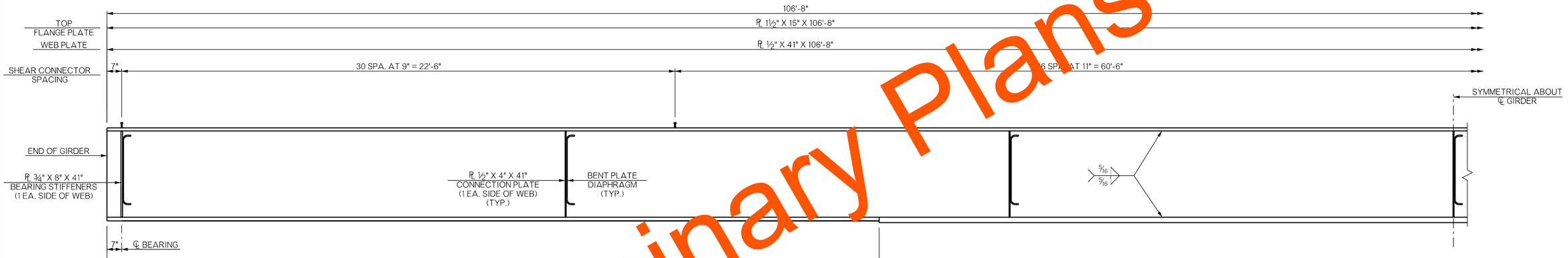
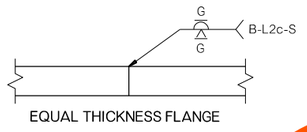


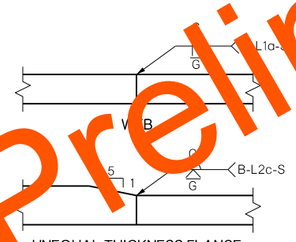
PLATE GIRDER ELEVATION
(SPAN NOS. 1 & 3)





EQUAL THICKNESS FLANGE

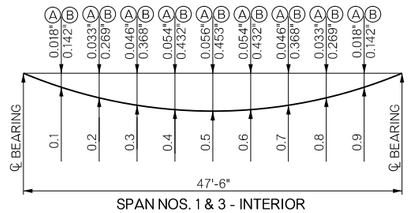
NOTE:
DO NOT PLACE WEB WELDED SPLICE WITHIN 6" OF A FLANGE WELDED SPLICE.



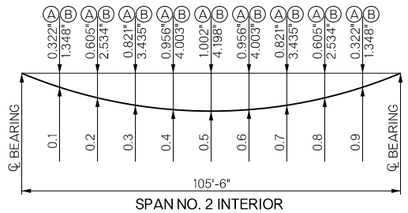
UNEQUAL THICKNESS FLANGE

DETAILS OF SHOP WELDED SPLICES

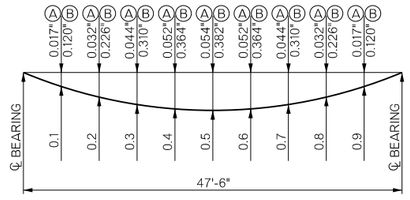
PLATE GIRDER ELEVATION
(SPAN NO. 2)



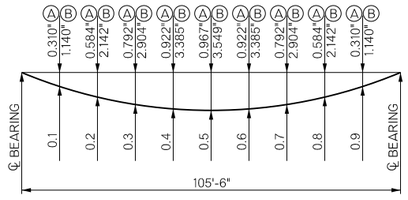
SPAN NOS. 1 & 3 - INTERIOR



SPAN NO. 2 INTERIOR



SPAN NOS. 1 & 3 - EXTERIOR

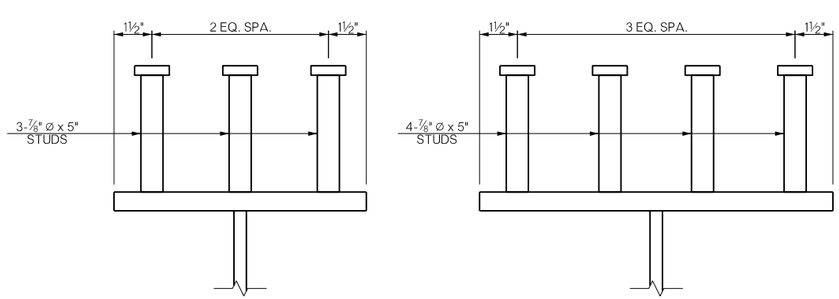


SPAN NO. 2 - EXTERIOR

LRFD OPERATING RATINGS:
SPAN NOS. 1 & 3 - 2.76 (HL-93)
SPAN NO. 2 - 1.62 (HL-93)

DEAD LOAD DEFLECTION DIAGRAM

Ⓐ GIRDER AND CROSS-FRAMES
Ⓑ DECK, HAUNCH, 5 PSF S.I.P. STEEL DECK FORM ALLOWANCE, PARAPETS AND FENCING



SHEAR CONNECTOR DETAIL
(SPAN NOS. 1 & 3)

SHEAR CONNECTOR DETAIL
(SPAN NO. 2)

Preliminary Plans

BRIDGE "A"
I-35 NB OVER WATERLOO RD.
OKLAHOMA & LOGAN COUNTIES

BEAM DETAILS
(SHEET 1 OF 2)

DESIGN	JWM	4/24
DETAIL	SJL	1/25
CHECK	DPE	1/25

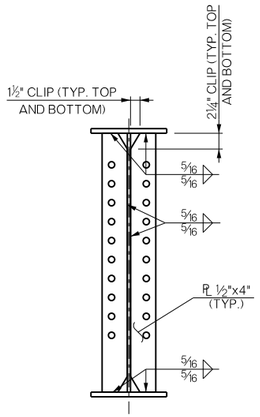
GARVER

STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION
JOB PIECE NO. 29843(04)
SHEET NO. B018

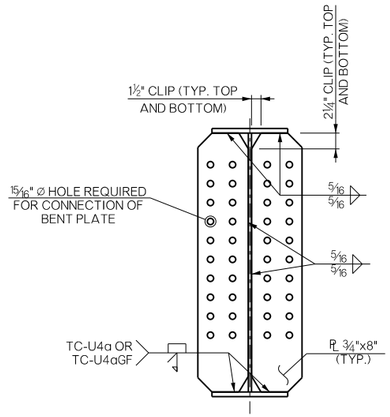
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OKLAHOMA DEPARTMENT OF TRANSPORTATION

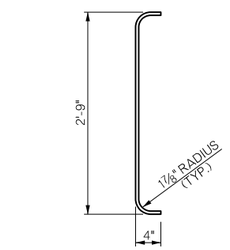
FINAL FIELD MEETING
3/26/2025



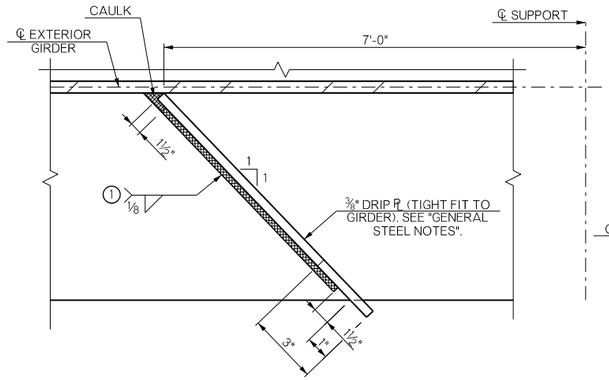
CONNECTION PLATE DETAIL



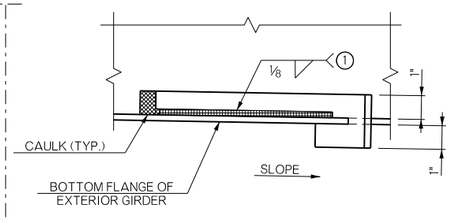
BEARING STIFFENER DETAIL



TYPICAL BENT PLATE DETAIL



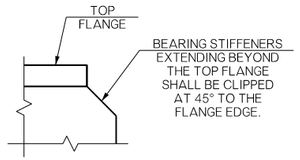
PLAN



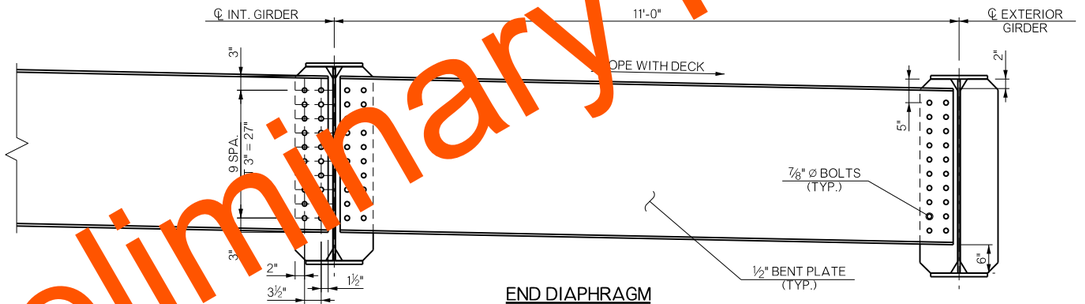
ELEVATION

① STOP WELD ½" FROM END OF DRIP PLATE AND FROM EDGE OF GIRDER. FILL WITH CAULK AS SHOWN.

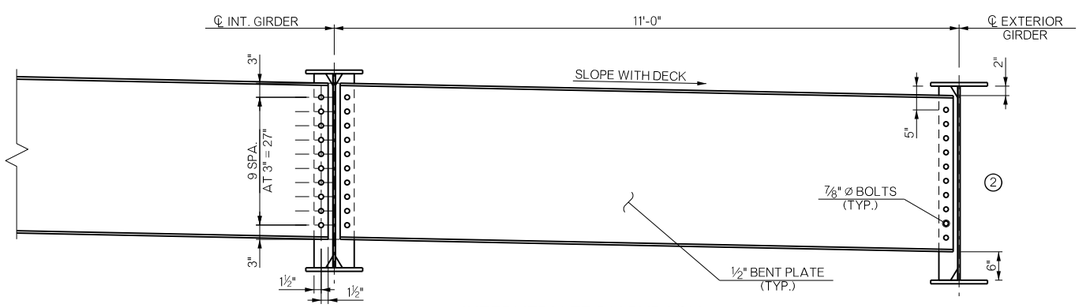
TYPICAL EXTERIOR GIRDER DRIP PLATE DETAILS



CORNER CLIP DETAIL



END DIAPHRAGM



INTERMEDIATE DIAPHRAGM

② OMIT OUTSIDE CONNECTION PLATE AT EXTERIOR GIRDER

GENERAL STEEL NOTES:

DRIP PLATES SHALL BE PLACED ON THE OUTSIDE OF THE EXTERIOR GIRDERS ON THE UPGRADE SIDE OF EACH ABUTMENT AND PIER LOCATION. ALL COST OF THE DRIP PLATE, WELD, CAULK AND LABOR NEEDED FOR INSTALLATION SHALL BE INCLUDED IN THE UNIT PRICE PER LB. OF "STRUCTURAL STEEL M270 GRADE 50W".

PROVIDE STRUCTURAL STEEL FOR PLATE GIRDERS AND BEARING STIFFENER PLATES IN ACCORDANCE WITH AASHTO M270 (ASTM A709), GRADE 50WT2 (WEATHERING STEEL, NON-FRACTURE CRITICAL CHARPY V-NOTCH TESTED FOR ZONE 2). PROVIDE WELDING WITH WEATHERING CHARACTERISTICS.

PROVIDE STRUCTURAL STEEL FOR BENT PLATE DIAPHRAGMS AND DIAPHRAGM CONNECTION PLATES IN ACCORDANCE WITH AASHTO M270(ASTM A709), GRADE 50W (WEATHERING STEEL, CHARPY V-NOTCH TESTING NOT REQUIRED). USE BOLTS CONFORMING TO AASHTO M164 (ASTM A325). PROVIDE ALL BOLTS NUTS, WASHERS, AND WELDING WITH WEATHERING STEEL CHARACTERISTICS.

FABRICATION AND ERECTION SHALL BE IN ACCORDANCE WITH SECTION 506 OF THE STANDARD SPECIFICATIONS.

ALL SHOP AND FIELD WELDING SHALL BE ARC WELDING AND SHALL BE DONE IN ACCORDANCE WITH THE CURRENT ANSI/AWS D1.5, BRIDGE WELDING CODE. FIELD WELDERS SHALL BE PRE-QUALIFIED BY THE OKLAHOMA DEPARTMENT OF TRANSPORTATION.

TERMINATE FILLET WELDS ⅜" FROM THE EDGE OF CLIPPED CORNERS OF ALL STIFFENER PLATES AND NON-CLIPPED CORNERS OF ALL INTERMEDIATE DIAPHRAGM CONNECTION PLATES.

HIGH STRENGTH BOLTED CONNECTIONS SHALL CONFORM TO PROVISIONS OF SECTION 506.04(f)6 OF THE STANDARD SPECIFICATIONS.

ALL DIMENSION SHOWN ARE HORIZONTAL AND ARE MEASURED ALONG ℄ GIRDER AT 60°F. CONTRACTOR SHALL ADJUST DIMENSIONS TO ACCOUNT FOR VERTICAL CURVE, DEAD LOAD DEFLECTIONS, AND TEMPERATURE.

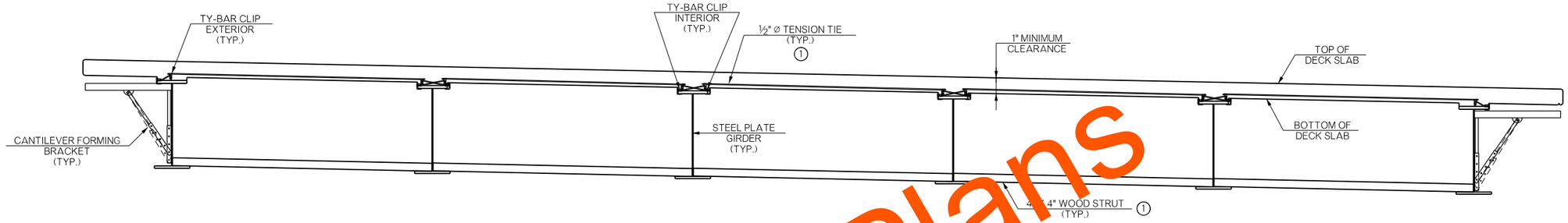
ALL BOLT HOLES SHALL BE 15/16" Ø.

Preliminary Plans

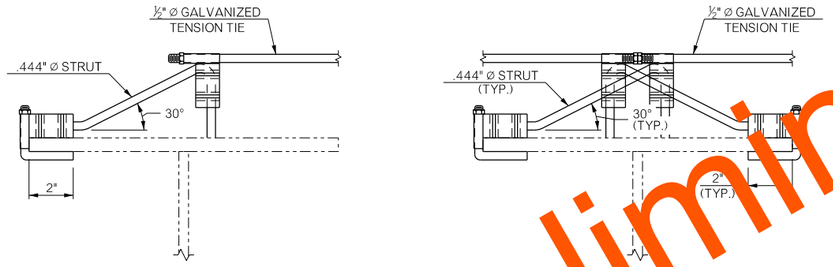
BRIDGE "A" I-35 NB OVER WATERLOO RD.	OKLAHOMA & LOGAN COUNTIES	DESIGN	JWM 4/24
		DETAIL	SJL 1/25
BEAM DETAILS (SHEET 2 OF 2)		CHECK	DPE 1/25
		GARVER	
STATE OF OKLAHOMA	DEPARTMENT OF TRANSPORTATION		
	JOB PIECE NO. 29843(04)	SHEET NO. B019	

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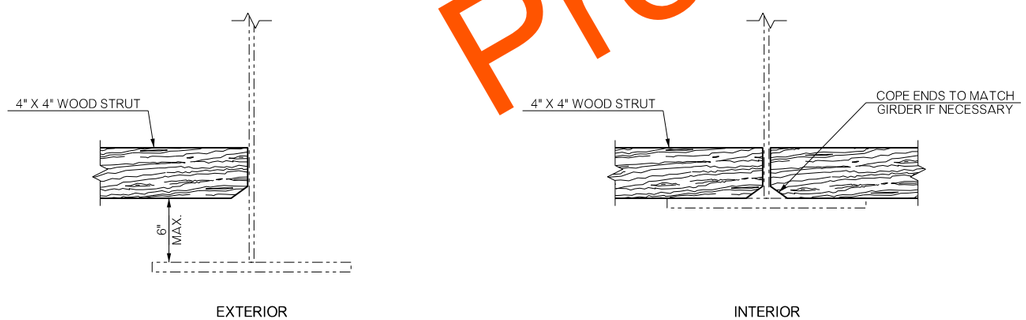
① STRUTS AND TENSION TIES SHALL NOT BE SPACED AT INTERVALS GREATER THAN 4'-0".



BEAM BRACING FOR DECK SLAB FORMING



TY-BAR CLIP DETAIL
FOR COATED



HARDWOOD STRUT DETAIL

Preliminary Plans

NOTES:
SUBMIT DRAWINGS OF THE BRACING SYSTEM TO THE BRIDGE ENGINEER FOR APPROVAL. BRACING SYSTEMS OTHER THAN THAT SHOWN MAY BE USED IF DESIGN CALCULATIONS AND DRAWINGS OF THE PROPOSED BRACING SYSTEM ARE SUBMITTED TO AND APPROVED BY THE BRIDGE ENGINEER. DRAWINGS AND CALCULATIONS OF THE PROPOSED SYSTEM SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF OKLAHOMA. DO NOT PLACE DECK SLAB CONCRETE UNTIL BRACING SYSTEM IS APPROVED. THE DEPARTMENT CONSIDERS ALL COST FOR BRACING TO BE INCLUDED IN OTHER ITEMS OF WORK.

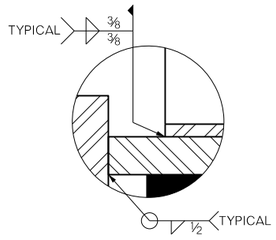
USE ADJUSTABLE CANTILEVER FORMING BRACKETS AT EXTERIOR GIRDERS CAPABLE OF BEING ADJUSTED DURING THE PLACEMENT OF DECK SLAB CONCRETE IN ORDER TO MAINTAIN PROPER GRADES AT THE DECK SLAB OVERHANG. IF SHIMS ARE TO BE USED TO ADJUST THE FORMING BRACKETS, PROVIDE THE BRIDGE ENGINEER A METHOD TO PREDICT CRUSH AND SETTLEMENT OF SHIMS. BEAR THE LEG BRACE OF THE BRACKETS ON THE GIRDER WITHIN 6" OF THE BOTTOM FLANGE.

USE #4 EPOXY COATED REINFORCING STEEL WITH THREADED ENDS OR GALVANIZED ALL THREAD FOR TENSION TIES. PLACE TENSION TIES PERPENDICULAR TO THE GIRDERS. ATTACH TENSION TIES TO THE TOP FLANGE OF THE GIRDERS WITH TY-BAR CLIPS AS SHOWN. DO NOT WELD TY-BAR CLIPS TO THE TOP FLANGE OF THE GIRDERS.

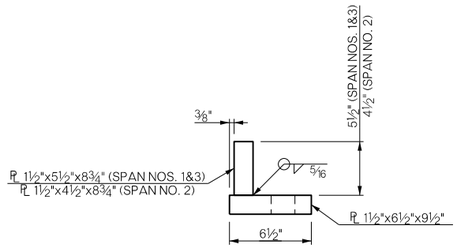
WEDGE HARDWOOD STRUTS, OR ANOTHER MATERIAL OF AN EQUIVALENT STRENGTH, BETWEEN GIRDER WEBS WITHIN 6" OF THE BOTTOM FLANGE AT EACH TENSION TIE LOCATION.

BRIDGE "A" I-35 NB OVER WATERLOO RD.	OKLAHOMA & LOGAN COUNTIES	DESIGN	DPE	4/24
STEEL BEAM BRACING DETAILS		DETAIL	CDB	4/24
		CHECK	DPE	1/25
		GARVER		
STATE OF OKLAHOMA	DEPARTMENT OF TRANSPORTATION			
	JOB PIECE NO. 29843(04)	SHEET NO. B020		

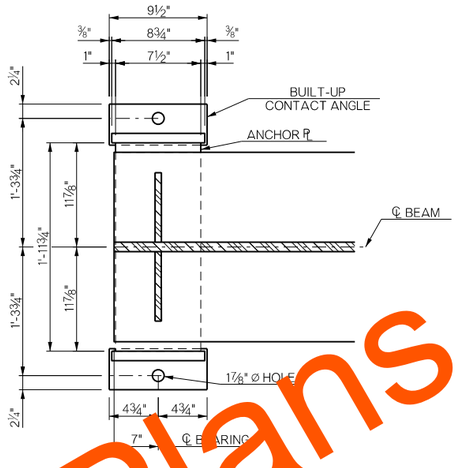
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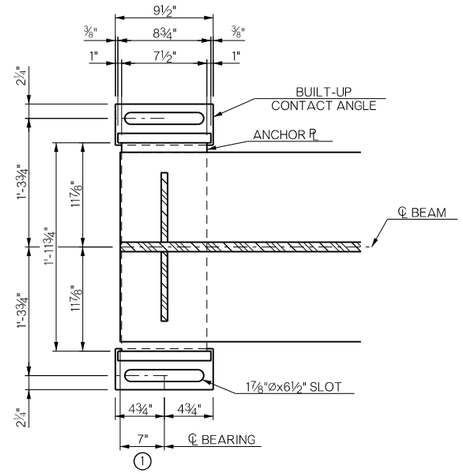
DETAIL "A"



BUILT-UP CONTACT ANGLE DETAIL

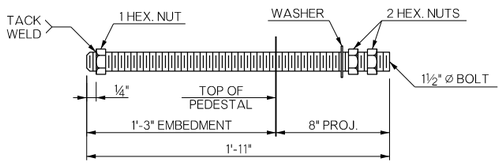


FIXED BEARING PLAN

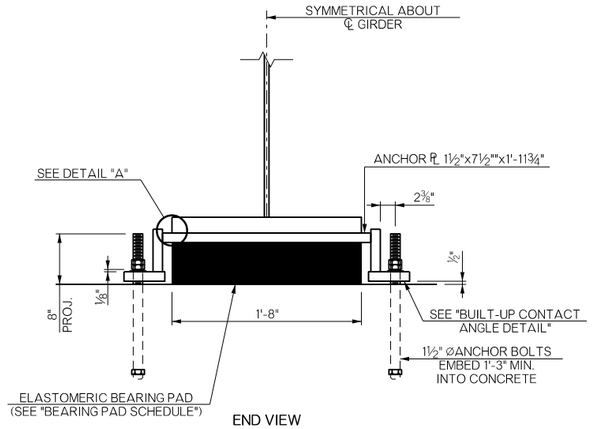


EXPANSION BEARING PLAN

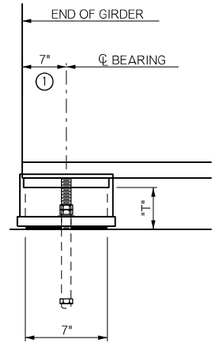
1. ANCHOR BOLTS SHALL BE CENTERED IN SLOTS DURING SETTING OF BEAMS. DIMENSION MAY VARY DEPENDING ON TEMPERATURE AT THE TIME OF BEAM SETTING.



ANCHOR BOLT DETAIL



END VIEW



SIDE VIEW

BEARING DETAILS

BEARING ASSEMBLY NOTES:
PROVIDE STRUCTURAL STEEL FOR ANCHOR PLATES AND BUILT-UP CONTACT ANGLES IN ACCORDANCE WITH ASTM A240 (AUSTENITIC STAINLESS STEEL, TYPE 316, CHARPY V-NOTCH TESTING NOT REQUIRED). FOR ANCHOR BOLTS, PROVIDE CONTINUOUSLY THREADED BARS IN ACCORDANCE WITH ASTM A320, CLASS 2, GRADE B8M (AUSTENITIC STAINLESS STEEL, TYPE 316, CHARPY V-NOTCH TESTING NOT REQUIRED). USE AUSTENITIC STAINLESS STEEL NUTS AND WASHERS CONFORMING TO ASTM A194, GRADE 8M AND ASTM A320, RESPECTIVELY. PERFORM ALL WELDING CONSISTENT WITH PROCEDURES FOR STAINLESS STEEL.

BEARING PAD SCHEDULE

LOCATION		60 DUROMETER ELASTOMERIC BEARING PAD				
		THICKNESS "T"	COVER LAYER	INNER LAYER	LAMINATE LAYER	WEIGHT
ABUTMENT NO. 1		5⅛"	2 - ¼"	9 - ⅜"	10 - ⅛"	201.00
PIER NO. 1	BACK STA.	5⅛"	2 - ¼"	9 - ⅜"	10 - ⅛"	201.00
	FORWARD STA.	4⅛"	2 - ¼"	7 - ⅜"	8 - ⅛"	193.50
PIER NO. 2	BACK STA.	4⅛"	2 - ¼"	7 - ⅜"	8 - ⅛"	193.50
	FORWARD STA.	5⅛"	2 - ¼"	9 - ⅜"	10 - ⅛"	201.00
ABUTMENT NO. 2		5⅛"	2 - ¼"	9 - ⅜"	10 - ⅛"	201.00

Preliminary Plans

BRIDGE "A"
I-35 NB OVER WATERLOO RD.

OKLAHOMA & LOGAN COUNTIES

BEARING DETAILS

DESIGN	DPE	4/24
DETAIL	CDB	5/24
CHECK	DPE	1/25

GARVER

STATE OF OKLAHOMA

DEPARTMENT OF TRANSPORTATION

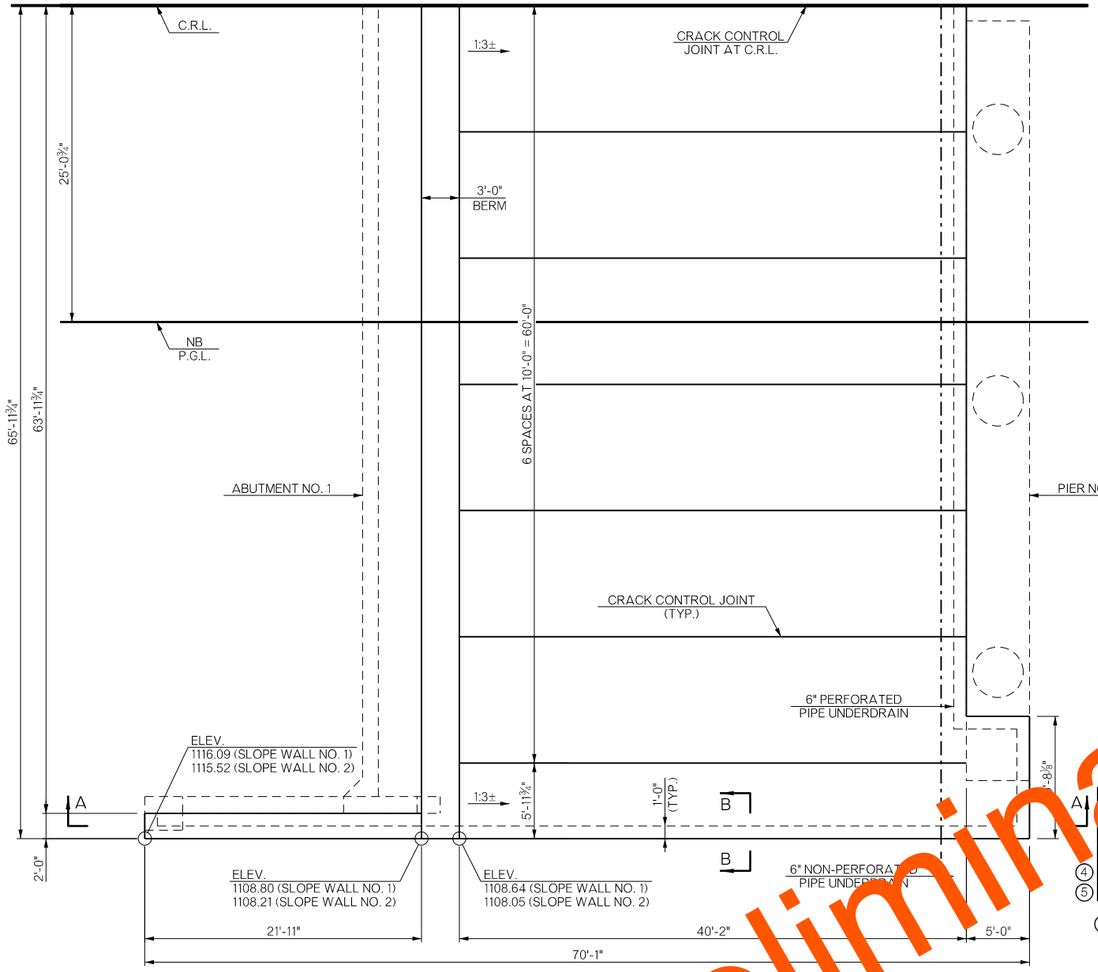
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SHEET NO. B021

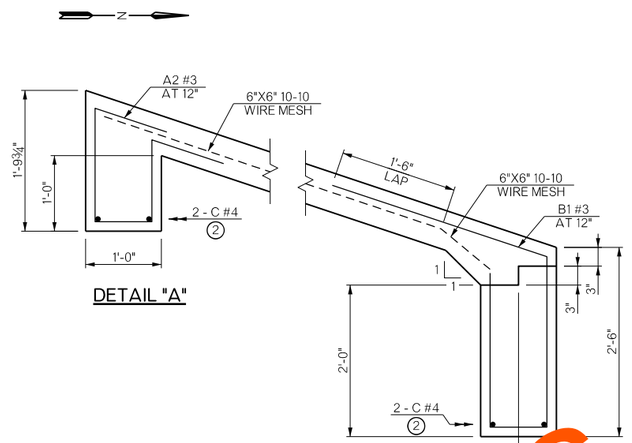
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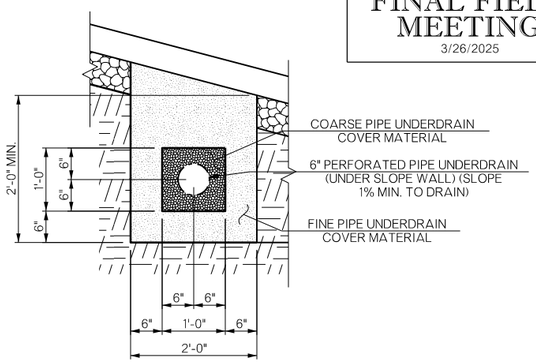
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/26/2025

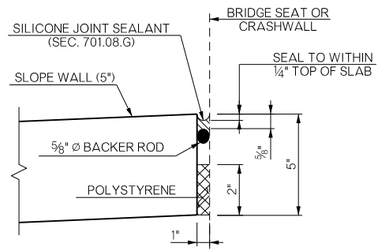


PLAN - SLOPE WALL AT ABUTMENT NO. 1
(SLOPE WALL AT ABUTMENT NO. 2 OPPOSITE HAND)

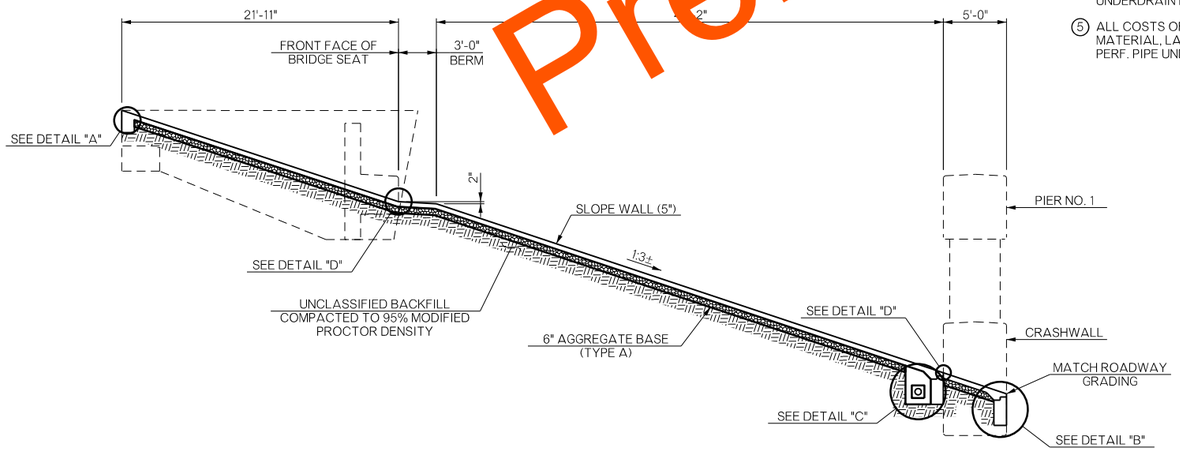




DETAIL "C"



DETAIL "D"



SECTION A-A
(SLOPE WALL AT ABUTMENT NO. 2 OPPOSITE HAND)

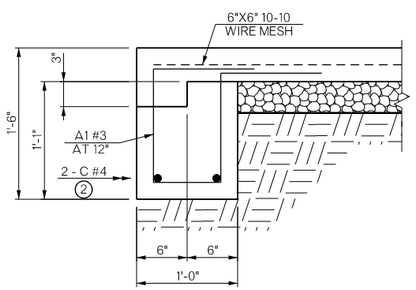
SUMMARY OF QUANTITIES - SLOPE WALLS ③				
ITEM	UNIT	SLOPE WALL NO. 1	SLOPE WALL NO. 2	TOTAL
SLOPE WALL (5")	SY	344.00	344.00	688.00
④ 6" PERFORATED PIPE UNDERDRAIN ROUND	LF	66.00	66.00	132.00
⑤ 6" NON-PERF.PIPE UNDERDRAIN RND.	LF	20.00	20.00	40.00

③ ALL COSTS OF THE "SLOPE WALL (5")" INSTALLATION INCLUDING CLASS A CONCRETE, REINFORCING STEEL, LAP SPLICES, BACKER ROD, SILICONE JOINT SEALANT, PREFORMED JOINT FILLER, POLYSTYRENE, EXCAVATION, AGGREGATE BASE (TYPE A), UNCLASSIFIED BACKFILL, LABOR, EQUIPMENT,AND OTHER INCIDENTALS NECESSARY TO COMPLETE THE WORK AS SPECIFIED ON THE PLANS SHALL BE INCLUDED IN THE PRICE BID PER SQUARE YARD OF "SLOPE WALL (5")".

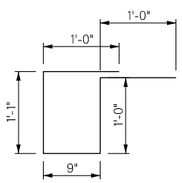
④ ALL COSTS OF THE PERFORATED PIPE UNDERDRAIN INSTALLATION INCLUDING TRENCH EXCAVATION, COVER MATERIAL, LABOR, EQUIPMENT, AND INCIDENTALS SHALL BE INCLUDED IN THE PRICE BID PER LINEAR FOOT OF "6" PERFORATED PIPE UNDERDRAIN ROUND".

⑤ ALL COSTS OF THE NON-PERFORATED PIPE UNDERDRAIN INSTALLATION INCLUDING TRENCH EXCAVATION, BACKFILLING, MATERIAL, LABOR, EQUIPMENT, AND INCIDENTALS SHALL BE INCLUDED IN THE PRICE BID PER LINEAR FOOT OF "6" NON-PERF. PIPE UNDERDRAIN RND.".

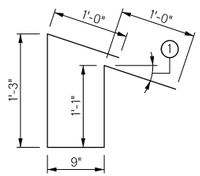
① MATCH SLOPE OF SLOPE WALL.
② CONTINUOUS 1'-6" LAP WHEN NECESSARY.



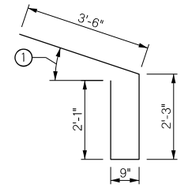
SECTION B-B



A1 #3 X 4'-10"



A2 #3 X 5'-1"



B1 #3 X 8'-7"

BRIDGE "A" I-35 NB OVER WATERLOO RD.	OKLAHOMA & LOGAN COUNTIES	DESIGN	DPE 8/20
		DETAIL	SJL 4/24
SLOPE WALL DETAILS		CHECK	DPE 1/25
		GARVER	
STATE OF OKLAHOMA	DEPARTMENT OF TRANSPORTATION		
	JOB PIECE NO. 29843(04)	SHEET NO. B022	

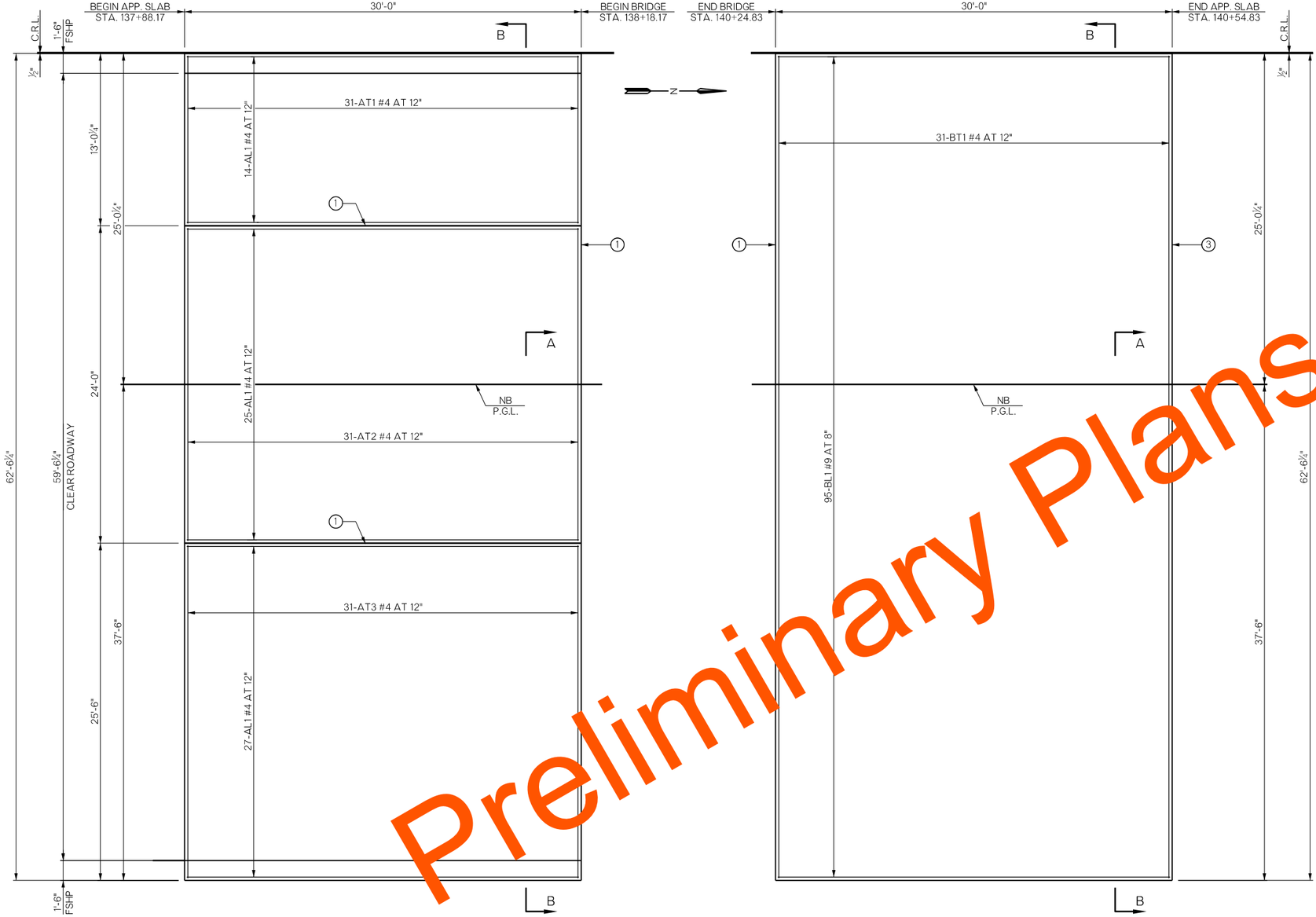
Preliminary Plans

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

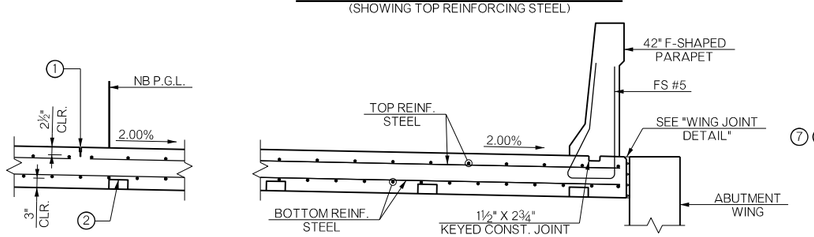
3/26/2025



Preliminary Plans

APPROACH SLAB AT ABUTMENT NO. 1
(SHOWING TOP REINFORCING STEEL)

APPROACH SLAB AT ABUTMENT NO. 2
(SHOWING BOTTOM REINFORCING STEEL)



SECTION A THRU APPROACH SLAB

SECTION B

(1) ¼" SAWED AND SEALED CONSTRUCTION JOINT IN THE TOP OF EACH APPROACH SLAB. SEE "SAWED AND SEALED JOINT DETAIL".

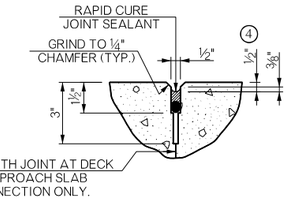
(2) 3" X 6" X 6" CONCRETE BLOCK AT 4'-0" MAX. SPA. IN EACH DIRECTION.

(3) SEE "TERMINAL JOINT DETAIL". APPROACH SLAB NO. 2 ONLY.

SUMMARY OF QUANTITIES - APPROACH SLABS				
ITEM	UNIT	APPROACH SLAB NO. 1	APPROACH SLAB NO. 2	TOTAL
(7) (8) APPROACH SLAB	SY	208.50	208.50	417.00
SAW-CUT GROOVING	SY	198.50	198.50	397.00
42" F-SHAPED PARAPET	LF	60.00	60.00	120.00
WATER REPELLENT (VISUALLY INSPECTED)	SY	30.00	30.00	60.00

(7) THE CONTRACT UNIT PRICE FOR "APPROACH SLAB" SHALL BE FULL COMPENSATION FOR CONCRETE, EPOXY COATED REINFORCING STEEL (INCLUDING FS2 BARS), BACKER ROD, RAPID CURE JOINT SEALANT, POLYSTYRENE, LABOR, EQUIPMENT AND OTHER INCIDENTALS NECESSARY TO COMPLETE THE WORK AS SPECIFIED IN THE PLANS.

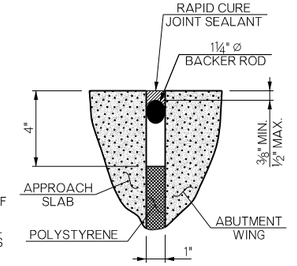
(8) THERE IS AN ESTIMATED 75.30 C.Y. OF CLASS AA CONCRETE AND AN ESTIMATED 13,980.00 LB. OF EPOXY COATED REINFORCING STEEL IN EACH APPROACH SLAB.



SAWED AND SEALED JOINT DETAIL

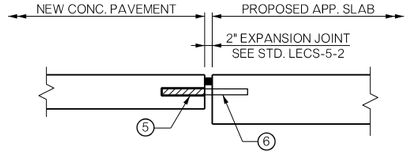
NOTES:
THE SHAPE FACTOR, COMBINED WITH THE JOINT CLEANLINESS, IS THE CRITICAL COMBINATION NECESSARY TO GUARANTEE DESIRED BONDING AND FUNCTION OF SEALED JOINTS. THE JOINT SHAPE FACTOR IS DEFINED AS THE FINAL PRESSED SHAPE OF THE SILICONE MATERIAL. THE TOOLING OPERATION WILL FIRMLY PRESS THE FRESHLY APPLIED MATERIAL INTIMATELY AGAINST THE CUT SIDES OF THE RECESS AND THE BACKER ROD SURFACES. THE ROUNDED SHAPE ON TOP AND BOTTOM OF THE SILICONE ALLOWS THE SEALANT TO PROPERLY FLEX BUT MAINTAIN ADHERENCE TO THE PAVING.

SEE "GENERAL NOTES" ON SHEET NUMBER AB01 FOR SAWED AND SEALED JOINT SPECIFICATIONS.



WING JOINT DETAIL

(4) THIS DIMENSION SHALL TAPER FROM ½" AT EDGE OF DRIVING LANE/SHOULDER TO ⅛" AT RAIL FOR TRANSVERSE JOINTS ONLY.



TERMINAL JOINT DETAIL

NOTES:
ALL COSTS OF INSTALLATION OF TERMINAL JOINT, INCLUDING DOWEL BARS, EPOXY, EXPANSION JOINT, MATERIALS, LABOR, EQUIPMENT, AND ANY INCIDENTALS NECESSARY TO COMPLETE THE WORK AS SHOWN SHALL BE INCLUDED IN "APPROACH SLAB".

FOR DETAILS OF DOWEL BARS, SEE STD. CRCP2-4-1.

(5) EXPOSED 9" OF DOWEL BAR SHALL BE COATED WITH FORM RELEASE AGENT OR GREASE BEFORE EXPANSION CAP IS INSTALLED TO INSURE THAT THE BOND BETWEEN DOWEL BAR AND CONCRETE PAVEMENT IS BROKEN.

(6) DOWEL BARS SHALL BE EPOXIED OR GROUTED (NON-CAPPED END) INTO 1⅜" Ø (MAX.) BY 9" DEEP DRILLED HOLES, SPACED AT 1'-0" CENTERS, PLACED AT MID-SLAB. DRILLED HOLES AND DOWEL BARS SHALL BE PLACED PARALLEL TO THE DRIVING SURFACE. SUFFICIENT EPOXY SHALL BE USED TO COMPLETELY FILL THE VOID BETWEEN THE DOWEL BAR AND THE HOLE.

BAR LIST - APPROACH SLABS (9)				
MARK	SIZE	NO.	FORM	LENGTH
EPOXY COATED REINFORCING STEEL				
AL1	#4	66	STR.	29'-8"
AT1	#4	31	STR.	12'-8"
AT2	#4	31	STR.	23'-8"
AT3	#4	31	STR.	25'-2"
BL1	#9	95	STR.	29'-8"
(10) BT1	#4	31	STR.	64'-5"
FS2	#5	62	BENT	7'-4"

(9) ONE SHOWN, TWO REQUIRED

(10) INCLUDES ONE 2'-3" LAP LENGTH.

NOTES:
DO NOT GROOVE WITHIN 6" OF ANY JOINT.

42" F-SHAPED CONCRETE PARAPET (FSHP) REINFORCEMENT OMITTED FOR CLARITY, SEE STD. FSHP-42-2-00E FOR DETAILS.

BRIDGE "A"
I-35 NB OVER WATERLOO RD.

OKLAHOMA & LOGAN COUNTIES

DESIGN	DPE	8/20
DETAIL	CDB	4/24
CHECK	DPE	1/25

APPROACH SLAB DETAILS

GARVER

STATE OF OKLAHOMA

DEPARTMENT OF TRANSPORTATION

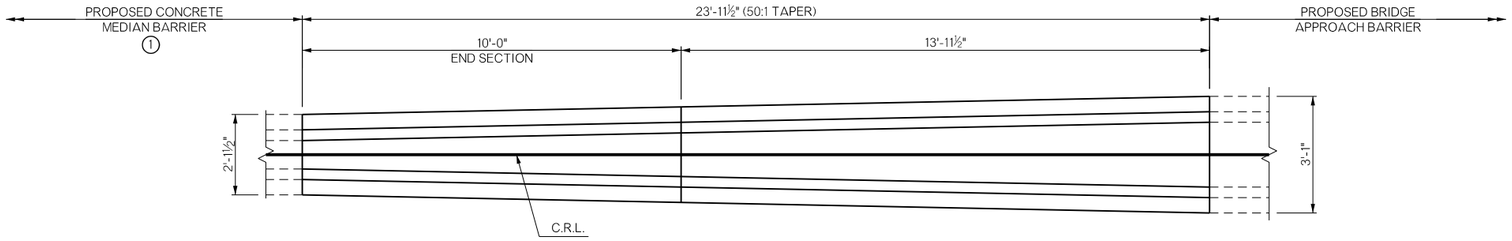
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SHEET NO. B023

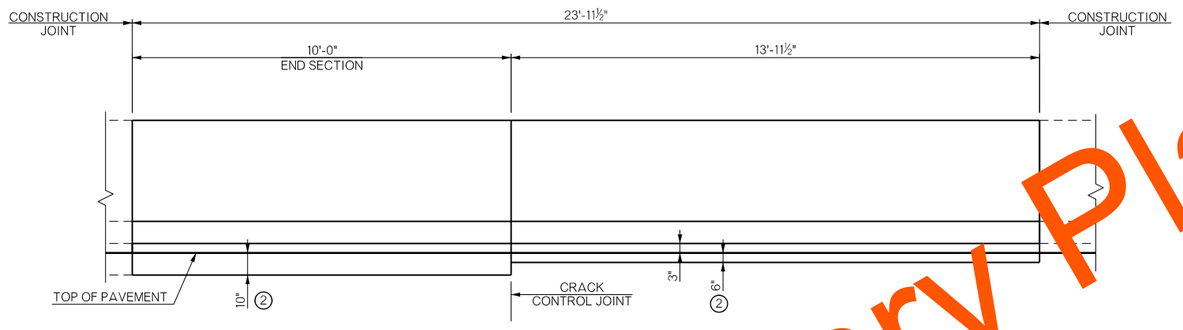
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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/26/2025

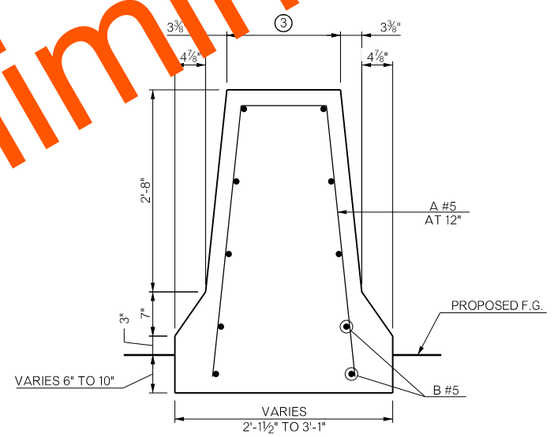


PLAN



ELEVATION

1 SEE ROADWAY SHEETS.
2 MEASURED FROM TOP OF PROPOSED PAVEMENT TO BOTTOM OF MEDIAN BARRIER



TYPICAL SECTION THRU BARRIER TRANSITION

3 VARIES FROM 9" TO 1'-8½"

GENERAL NOTES:

CONSTRUCTION JOINTS:
PLACE CONSTRUCTION JOINTS AT THE LOCATIONS SHOWN. PLACE ¾" THICK PERFORMED EXPANSION MATERIAL IN THE CONSTRUCTION JOINT IN ACCORDANCE WITH THE DETAILS SHOWN IN ELEVATION. DO NOT PLACE LONGITUDINAL REINFORCEMENT THROUGH A CONSTRUCTION JOINT.

CRACK CONTROL JOINTS:
PROVIDE DOUBLE ¾" CHAMFERS OR ¾" DEEP SAWCUT IN ACCORDANCE WITH THE DETAILS SHOWN IN ELEVATION. PLACE CRACK CONTROL JOINTS AT THE LOCATIONS SHOWN.

REINFORCING STEEL:
PROVIDE 2'-6" LAP SPLICES FOR LONGITUDINAL #5 BARS WHERE REQUIRED. ALL CONSTRUCTION AND MATERIAL SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATION.

QUANTITIES:
ALL PAY QUANTITIES ARE INCLUDED IN ABUTMENT QUANTITY TABLE.

SUMMARY OF QUANTITIES - MEDIAN BARRIER TRANSITION

ITEM	UNIT	BEGIN BRIDGE	END BRIDGE	TOTAL
CLASS AA CONCRETE	CY	6.80	6.80	13.60
REINFORCING STEEL	LB	480.00	480.00	960.00

Preliminary Plans

BRIDGE "A"
I-35 NB OVER WATERLOO RD.
OKLAHOMA & LOGAN COUNTIES

BARRIER TRANSITION DETAILS

DESIGN	DPE	5/24
DETAIL	CDB	5/24
CHECK	DPE	1/25

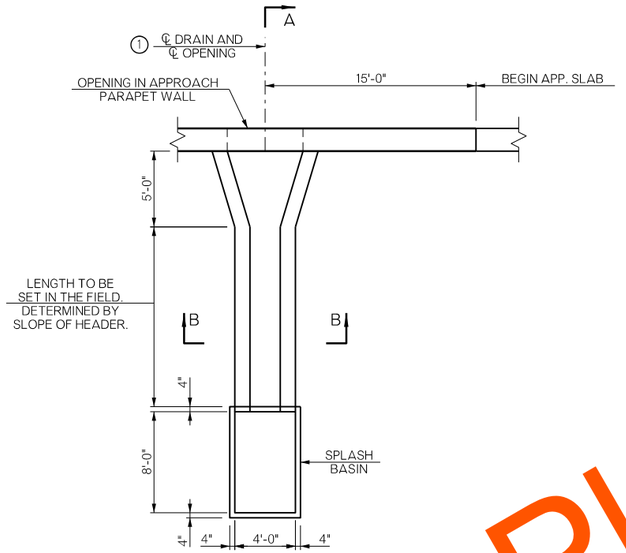
GARVER

STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION
JOB PIECE NO. 29843(04)
SHEET NO. B024

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

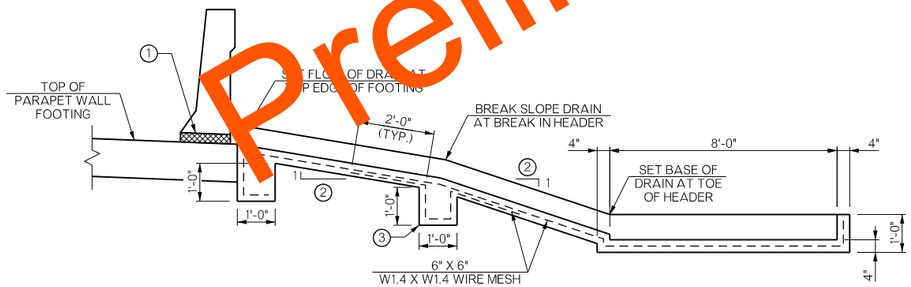
FINAL FIELD MEETING
3/26/2025



SLOPE DRAIN DETAIL

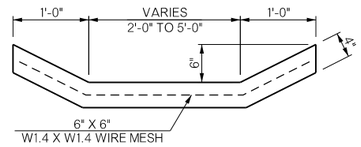
(DRAIN AT APPROACH SLAB NO. 1 SHOWN, DRAIN AT APPROACH SLAB NO. 2 SIMILAR BUT OPPOSITE HAND)

1. FOR PARAPET WALL DRAIN OPENING, SEE ROADWAY PARAPET WALL SHEETS.



SECTION A-A

2. SLOPE TO MATCH SLOPE OF HEADER
3. PLACE INTERMEDIATE CURTAIN WALLS FOR DRAINS LONGER THAN 100'-0". INTERMEDIATE CURTAIN WALLS SHALL BE PLACED AT EQUAL SPACES, 100'-0" MAXIMUM SPACING.



SECTION B-B

Preliminary Plans

BRIDGE "A" I-35 NB OVER WATERLOO RD.	OKLAHOMA & LOGAN COUNTIES	DESIGN	DPE	8/20
		DETAIL	SJL	10/20
DRAIN DETAILS		CHECK	DPE	1/25
		GARVER		
STATE OF OKLAHOMA	DEPARTMENT OF TRANSPORTATION			
	JOB PIECE NO. 29843(04)	SHEET NO. B025		

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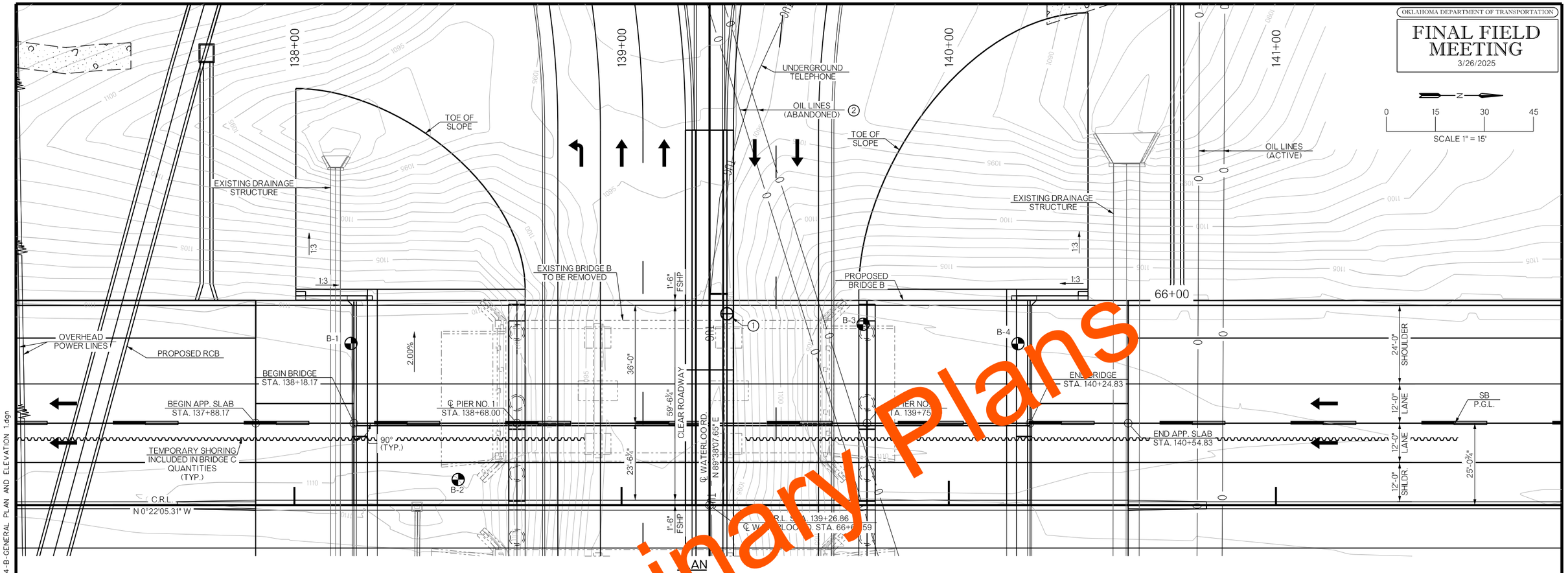
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

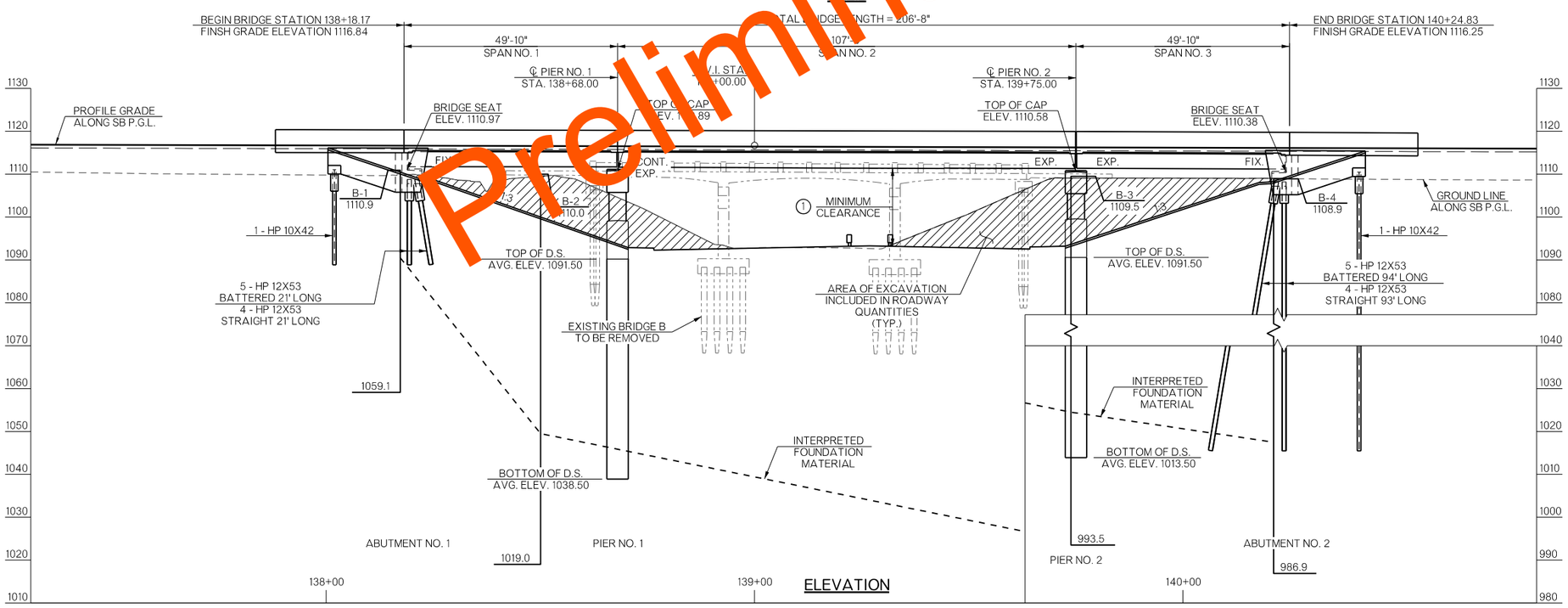
3/26/2025

0 15 30 45

SCALE 1" = 15'



PLAN



ELEVATION

Preliminary Plans

BENCHMARK BM 110
DESCRIPTION #6 REBAR
OFFSET 369.89 RT. STA. 138+10.27 EL. 1099.98

BENCHMARK BM 133
DESCRIPTION #6 REBAR
OFFSET 381.19 LT. STA. 138+11.14 EL. 1112.30

(1) MINIMUM VERTICAL CLEARANCE 16'-11"
I-35 STA. 139+32.19
OFFSET 58.80' LT.
LOW CHORD ELEV. 1111.39

(2) SURVEY WAS UNABLE TO LOCATE ABANDONED OIL LINES. CONTRACTOR SHALL TAKE CAUTION WHEN EXCAVATING IN THE VICINITY AND BE PREPARED TO REMOVE THE ABANDONED LINES.

FOR "FOUNDATION REPORTS", SEE SHEET NOS. B028 - B029.

NOTES:
FOR DESIGN DATA, VERTICAL PROFILE DATA, & FOUNDATION DATA SEE SHEET NO. B027.

BRIDGE "B" OVER WATERLOO RD.
I-35 SB
OKLAHOMA & LOGAN COUNTIES

GENERAL PLAN AND ELEVATION (SHEET 1 OF 2)

CONSTRUCT NEW 49'-107'-49'X62'-6" PLATE GIRDER SPANS W/ 42" F-SHAPED PARAPET W/ 59' CLEAR ROADWAY AT ℄ STRUCTURE STA. 139+21.50 (SKEW 0°)

DESIGN	DPE	5/18
DETAIL	SJL	1/20
CHECK	DPE	1/25

GARVER

STATE OF OKLAHOMA

DEPARTMENT OF TRANSPORTATION

JOB PIECE NO. 29843(04) SHEET NO. B026

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/26/2025

INDEX OF SHEETS

SHEET NO.	TITLE
B026-B027	GENERAL PLAN AND ELEVATION
B028-B029	SUBSURFACE PROFILE
B030-B034	SEQUENCE OF CONSTRUCTION
B035	STAKING DIAGRAM
B036-B039	ABUTMENT DETAILS
B040-B042	PIER DETAILS
B043	TYPICAL SECTION
B044	LONGITUDINAL SECTION
B045	DECK LAYOUT
B046	DECK TURNDOWN DETAILS
B047	PARAPET LAYOUT
B048	FRAMING PLAN
B049-B050	BEAM DETAILS
B051	STEEL BEAM BRACING DETAILS
B052	BEARING DETAILS
B053	SLOPE WALL DETAILS
B054-B055	APPROACH SLAB DETAILS
B056	DRAIN DETAILS

STANDARDS

FSHP-42-2-00E
EJ-SQ-04E
EJ-DTL-02E
HP1-2-01E
B40-C-ABUT-MISC-01E
LECS-5-2
PUD-4-1
CRCP2-4-1

DESIGN DATA

(LOAD AND RESISTANCE FACTOR DESIGN DATA)

CLASS AA CONCRETE	f'c = 4,000 P.S.I.
CLASS A CONCRETE	f'c = 3,000 P.S.I.
REINFORCING STEEL (GRADE 60)	fy = 60,000 P.S.I.
STRUCTURAL STEEL (M270, GR. 50W)	fy = 50,000 P.S.I.
STAINLESS STEEL A240 (TYPE 316)	fy = 30,000 P.S.I.

LOADING: HL93 AND 20 P.S.F. FUTURE WEARING SURFACE OR OKLAHOMA OVERLOAD TRUCK AND 20 P.S.F. FUTURE WEARING SURFACE.

DESIGN: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 9TH EDITION.

ANSI/AASHTO/AWS: D1.5 BRIDGE WELDING CODE
ANSI/AWS: D1.6 STRUCTURAL WELDING CODE - STAINLESS STEEL

LRFR OPERATING RATING: 1.62 (HL-93)

FOUNDATION DATA

ABUTMENT CAPS (HP 12X53 PILING) (1)

	ABUTMENT NO. 1	ABUTMENT NO. 2
FACTORED PILE REACTION (TONS/PILE	= XX.X	= XX.X
PILE LENGTH (FEET)	= XX.X	= XX.X

PIERS (60" DIAMETER DRILLED SHAFTS)

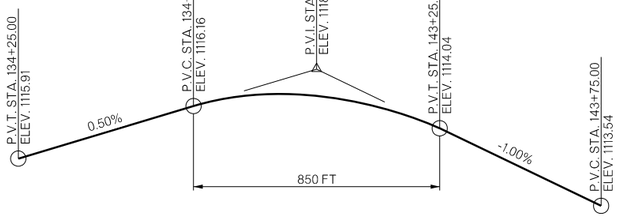
	PIER NO. 1	PIER NO. 2
DEPTH OF ROCK NEGLECTED FOR FRICTION (FEET)	= X.00	= X.00
MINIMUM DEPTH INTO ROCK (FEET)	= X.00	= X.00
NOMINAL UNIT BEARING RESISTANCE (TSF)	= XX.XX	= XX.XX
BEARING RESISTANCE FACTOR	= 0.XX	= 0.XX
FACTORED BEARING RESISTANCE (TONS/SHAFT)	= XXX	= XXX
NOMINAL UNIT FRICTION RESISTANCE (TSF)	= X.00	= X.00
FRICTION RESISTANCE FACTOR	= 0.XX	= 0.XX
FACTORED FRICTION RESISTANCE (TONS/SHAFT)	= XXX	= XXX
TOTAL FACTORED RESISTANCE (TONS/SHAFT)	= XXX	= XXX
TOTAL FACTORED REACTION (TONS/SHAFT)	= XXX	= XXX

(1) ALL ABUTMENT PILING SHALL BE DRIVEN THROUGH COMPACTED FILL. PILING SHALL BE DRIVEN TO POINT BEARING ON SOLID FOUNDATION MATERIAL AT THE APPROXIMATE ELEVATION SHOWN ON THE PLANS. IF THE AXIAL LOAD RESISTANCE IS NOT OBTAINED AT THIS ELEVATION, DRIVING SHALL CONTINUE UNTIL THE AXIAL LOAD RESISTANCE IS OBTAINED. THE LENGTH OF THE STEEL PILING SHOWN ON THE PLANS IS FOR ESTIMATING PURPOSES ONLY.

Preliminary Plans

SUMMARY OF QUANTITIES

ITEM	UNIT	ABUTMENTS	PIERS	SUPER-STRUCTURE	APPROACH SLABS	SLOPE WALLS	TOTAL
SUBSTRUCTURE EXCAVATION COMMON	CY	220.00	-	-	-	-	220.00
CLSM BACKFILL	CY	300.00	-	-	-	-	300.00
APPROACH SLAB	SY	-	-	-	417.00	-	417.00
SAW-CUT GROOVING	SY	-	-	1,365.80	397.00	-	1,762.80
42" F-SHAPED PARAPET	LF	-	-	413.40	120.00	-	533.40
STRUCTURAL STEEL M270 GRADE 50W	LB	-	-	297,500.00	-	-	297,500.00
STAINLESS STEEL FIXED BEARING ASSEMBLY	EA	-	-	12.00	-	-	12.00
STAINLESS STEEL EXP. BEARING ASSEMBLY	EA	-	-	24.00	-	-	24.00
CLASS AA CONCRETE	CY	-	-	334.30	-	-	334.30
CLASS A CONCRETE	CY	131.10	293.80	-	-	-	424.90
CLASS C CONCRETE	CY	10.90	-	-	-	-	10.90
SLOPE WALL (5")	SY	-	-	-	-	688.00	688.00
MECHANICAL SPLICES	EA	68.00	142.00	842.00	62.00	-	1,114.00
REINFORCING STEEL	LB	-	680.00	-	-	-	680.00
EPOXY COATED REINFORCING STEEL	LB	13,520.00	56,140.00	110,120.00	-	-	179,780.00
PILES, FURNISHED (HP 10X42)	LF	118.00	-	-	-	-	118.00
PILES, FURNISHED (HP 12X53)	LF	1,031.00	-	-	-	-	1,031.00
PILES, DRIVEN (HP 10X42)	LF	118.00	-	-	-	-	118.00
PILES, DRIVEN (HP 12X53)	LF	1,031.00	-	-	-	-	1,031.00
PILE SPLICE, H-PILE (NON-BIDDABLE)	EA	-	-	-	-	-	1.00
WATER REPELLENT (VISUALLY INSPECTED)	SY	96.00	424.00	202.00	60.00	-	782.00
DRILLED SHAFTS 60" DIAMETER	LF	-	393.00	-	-	-	393.00
CROSSHOLE SONIC LOGGING	EA	-	-	-	-	-	1.00
ELASTOMERIC COATING	SF	798.00	930.00	-	-	-	1,728.00
SEALED EXPANSION JOINTS	LF	-	-	60.54	-	-	60.54
SEALER CRACK PREPARATION	LF	-	-	267.00	-	-	267.00
SEALER RESIN	GAL	-	-	2.20	-	-	2.20
6" PERFORATED PIPE UNDERDRAIN ROUND	LF	124.00	-	-	-	132.00	256.00
6" NON-PERF.PIPE UNDERDRAIN RND.	LF	30.00	-	-	-	40.00	70.00
REMOVAL OF EXISTING BRIDGE STRUCTURE	LSUM	-	-	-	-	-	1.00



VERTICAL CURVE PROFILE DATA

BRIDGE "B" OVER I-35 SB OVER WATERLOO RD.
OKLAHOMA & LOGAN COUNTIES

GENERAL PLAN AND ELEVATION (SHEET 2 OF 2)

CONSTRUCT NEW 49'-107'-49'X62'-6" PLATE GIRDER SPANS W/ 42" F-SHAPED PARAPET W/ 59' CLEAR ROADWAY AT ℄ STRUCTURE STA. 139+21.50 (SKEW 0°)

DESIGN	DPE	5/18
DETAIL	SJL	1/20
CHECK	DPE	1/25

GARVER

STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION
JOB PIECE NO. 29843(04)
SHEET NO. B027

3/26/2025 08:49:35 L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\Bridge\29843(04)-B-GENERAL PLAN AND ELEVATION 2.dgn

REVISIONS		
REV. NO.	DESCRIPTION	DATE

Boring No. B-1

STATION 138+ 17.30 49.42' LT
(3/23/2020)

Surface Elev. (Ft.): 1110.9

	APPROX. 5" OF ASPHALT PAVEMENT	1111	1111+/-	SPT-1; N=8; SOIL REC=13 (In.); MC=16%; P200=47%; LL= 26; PL= 12; PI= 14
		1110.5		
	CLAYEY SAND (SC) dusky red (2.5YR 3/2) and red (2.5YR 4/8), loose		1106+/-	SPT-2; N=9; SOIL REC=8 (In.); MC=20%; P200=82%; LL= 33; PL= 14; PI= 19
	LEAN CLAY WITH SAND (CL) red (2.5YR 4/6), stiff	1106		
1,100	**CLAYEY SAND (SC)** reddish brown (2.5YR 4/4), medium dense	1101	1101+/-	SPT-3; N=25; SOIL REC=10 (In.); MC=20%; P200=38%; LL= 23; PL= 15; PI= 8
			1096+/-	SPT-4; N=13; SOIL REC=10 (In.); MC=18%; P200=35%; LL= 22; PL= 14; PI= 8
1,090	**WEATHERED SHALE** red (2.5YR 4/8), hard	1091	1091+/-	SPT-5; N=50/1"; SOIL REC=7 (In.); MC=13%; P200=84%; LL= 30; PL= 14; PI= 16
	WEATHERED SANDSTONE red (2.5YR 4/6), well cemented	1090.5	1090+/-	TCP 50/7/8"; 50/3/8"
	Top of Rock = 1091 Ft.		1085+/-	TCP 50/1/8"; 50/1/8"
1,080			1080+/-	TCP 50/1/16"; 50/3/16"
			1075+/-	TCP 50/1/4"; 50/3/16"
1,070			1070+/-	TCP 50/1 1/4"; 50/1 3/8"
			1065+/-	TCP 50/3/4"; 50/1/2"
1,060			1060+/-	TCP 50/5/8"; 50/3/16"

BT-52.00
Elevation: 1059+/-

Boring No. B-2

STATION 138+50.04 7.85' LT
(3/25/2020)

Surface Elev. (Ft.): 1110.0

	CLAYEY SAND (SC) red (2.5YR 5/6), loose	1110	1110+/-	SPT-1; N=7; SOIL REC=16 (In.); MC=16%; P200=30%; LL= 23; PL= 15; PI= 8
	LEAN CLAY (CL) red (2.5YR 4/6) and red (2.5YR 5/6), stiff	1105	1105+/-	SPT-2; N=13; SOIL REC=12 (In.); MC=19%; P200=88%; LL= 29; PL= 15; PI= 14
	CLAYEY SAND (SC) reddish brown (2.5YR 4/4), medium dense	1100	1100+/-	SPT-3; N=12; SOIL REC=15 (In.); MC=16%; P200=26%; LL= 24; PL= 15; PI= 9
			1095+/-	SPT-4; N=27; SOIL REC=8 (In.); MC=16%; P200=38%
	SANDY LEAN CLAY (CL) strong brown (7.5YR 4/6), very stiff	1090	1090+/-	SPT-5; N=21; SOIL REC=12 (In.); MC=19%; P200=52%; LL= 27; PL= 15; PI= 1[illegible]
	CLAYEY SAND (SC) strong brown (7.5YR 4/6), loose	1085	1085+/-	SPT-6; N=7[illegible] SOIL REC=[illegible] MC=16%; P200=14%; LL=[illegible] PL= 14; [illegible] 11
	SILTY SAND (SM) strong brown (7.5YR 4/6), loose	1080	1080+/-	SPT-7[illegible]=8; SOIL [illegible]C=12 (In.); [illegible]C=18%; P200=41%; [illegible] NP; [illegible] NP; PI= NP
	FAT CLAY (CH) dark red (10R 3/6), very stiff	1075	1075+/-	SPT-8; N=16; SOIL REC=11 (In.); MC=23%; P200=94%; LL= 51; PL= 21; PI= 30
	LEAN CLAY (CL) dark red (10R 3/6), very stiff to hard	1071.5	1071.5+/-	SPT-9; N=28; SOIL REC=18 (In.); MC=19%; P200=94%; LL= 43; PL= 20; PI= 23
			1070+/-	SPT-10; N=44; SOIL REC= 16 (In.); MC= 14 %
	LEAN CLAY WITH SAND (CL) dark red (10R 3/6) and red (10R 5/6), hard	1065	1065+/-	SPT-11; N=38; SOIL REC= 17 (In.); MC=15%; P200=80%; LL= 27; PL= 15; PI= 12
			1060+/-	SPT-12; N=59; SOIL REC=18 (In.); MC=14%; P200=78%; LL= 26; PL= 14; PI= 12
	LEAN CLAY (CL) red (10R 4/[illegible]) hard	1055	1055+/-	SPT-13; N=53; SOIL REC=17 (In.); MC=15%; P200=89%; LL= 31; PL= 15; PI= 16
	WEATHERED SHALE red (10R 5/[illegible]) and light gray (GLEY1 7/5GY), soft	1050	1050+/-	SPT-14; N=50/5"; SOIL REC=5 (In.); MC=11%; P200=82%
	WEATHERED SHALE red (10R 5/6), soft, with 13" of weak red (10R 4/4) weathered sandstone	1049	1049.5+/-	TCP 50/3/8"; 50/1/8"
			1049+/-	DB-15; SOIL REC=40 (In.) ROCK REC=67 (%); RQD= 32 (%) UCS=7450 psi
	Top of Rock = 1050 Ft.		1044.5+/-	TCP 50/3/8"; 50/1/8"
	WEATHERED SANDSTONE weak red (10R 4/4), well cemented, with red (10R 5/8) siltstone seams -pale brown (2.5Y 7/4), red (10R 4/6), weak red (10R 4/3), and reddish black (2.5YR 2.5/1) below 71'	1044	1044+/-	DB-16; SOIL REC=60 (In.) ROCK REC=100 (%); RQD=68 (%) UCS=300 psi
		1039	1039.5+/-	TCP 50/1/16"; 50/1/16"
			1039+/-	DB-17;SOIL REC=46 (In.) ROCK REC=77 (%); RQD=33 (%) UCS=1500 psi
	WEATHERED SILTSTONE WITH INTERBEDDED WEATHERED SHALE red (10R 4/6), well cemented	1034	1034.5+/-	TCP 50/3/8"; 50/3/16"
			1034+/-	DB-18;SOIL REC=54 (In.) ROCK REC=90 (%); RQD=78 (%) UCS=230 psi
	WEATHERED SHALE red (10R 4/6), hard, with 11" of dusky red (10R 3/4) sandstone	1029	1029.5+/-	TCP 50/1/4"; 50/1/8"
			1029+/-	DB-19;SOIL REC=52 (In.) ROCK REC=87 (%); RQD=60 (%) UCS=70 psi
	WEATHERED SANDSTONE pale red (10R 3/2), weak red (10R 5/2), and dusky red (10R 6/2), well cemented, with 16" of red (10R 4/6) weathered shale	1024	1024.5+/-	TCP 50/3/16"; 50/3/16"
			1024+/-	DB-20; SOIL REC=57 (In.) ROCK REC=95 (%); RQD=65 (%) UCS=1090 psi
			1019.5+/-	TCP 50/5/16"; 50/3/16"

BT-91.00
Elevation: 1019+/-

Preliminary Plans

LEGEND

DCD = DIAMOND CORE DRILLING, ASTM D2113-83
SPT = STANDARD PENETRATION TEST, ASTM D1586
SS = SPLIT SPOON SAMPLER
N = NUMBER OF BLOWS PER 12 INCHES
MC = MOISTURE CONTENT
LL = LIQUID LIMIT (NV=NO VALUE)
PI = PLASTICITY INDEX (NP=NO PLASTICITY)
#200 = PERCENT PASSING #200 SIEVE
UCS = UNCONFINED COMPRESSIVE STRENGTH
TCP = TEXAS CONE PENETROMETER
WCI = WET CAVE IN
▽ = WATER LEVEL WHILE DRILLING OR SAMPLING
▼ = WATER LEVEL AFTER DRILLING
▼ = WATER LEVEL 24 HOURS AFTER DRILLING
▨ = TOP OF ROCK

NOTE: WATER LEVEL ELEVATIONS SHOWN WERE OBTAINED AT THE TIME THE BORINGS WERE DRILLED AND MAY FLUCTUATE THROUGHOUT THE YEAR.

NOTE: "SS" DENOTES STANDARD PENETRATION TEST, AASHTO D1586-84. "TCP" DENOTES TEXAS CONE PENETRATION TEST.

* NOTE: TOP OF ROCK LINE SHOWN FOR ESTIMATING PURPOSES ONLY.

** NOTE: WATER LEVEL ELEVATION SHOWN WERE OBTAINED AT THE TIME THE BORINGS WERE DRILLED AND MAY FLUCTUATE THROUGHOUT THE YEAR.

*** NOTE: ROCK CLASSIFICATION IS BASED ON DRILLING CHARACTERISTICS AND VISUAL OBSERVATION OF ROCK CORE SAMPLES. PETROGRAPHIC ANALYSIS OF THIN SECTIONS OF THE ROCK CORE SAMPLES MAY REVEAL OTHER TYPES.

SITE GEOLOGY

The geology of this site consists of the red, clay shales, red, sandy shales and red, massive, commonly cross-bedded, lenticular, sandstones of the Garber Unit. The sandstones are more prominent in the southern portion of ODOT's Division 4 which would include this project site. Northward, the sandstones become thinner and shales become more prominent. The Garber unit outcrops in a 12 to 24 mile band across Grant, Garfield, Kingfisher, Logan, Noble, and Oklahoma Counties. Topographically, the unit generally forms rolling to gently rolling hills capped with sandstones and covered with thick growths of blackjack oak and post oak trees.

GEOTECHNICAL REPORT

ALL GEOTECHNICAL INFORMATION CONTAINED ON THIS SHEET IS COVERED BY THE ENGINEERING SEAL AFFIXED TO AN ORIGINAL GEOTECHNICAL ENGINEERING REPORT THAT HAS BEEN STAMPED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN OKLAHOMA. TO OBTAIN A COPY OF THE COMPLETE REPORT, CONTACT THE ODOT OFFICE ENGINEER AT (405) 521-2625. THE CONTRACTOR SHOULD BE FULLY AWARE OF THE SITE CONDITIONS PRIOR TO BEGINNING WORK. ANY ADDITIONAL GEOTECNICAL INFORMATION WHICH MAY BE DESIRED IS THE RESPONSIBILITY OF THE CONTRACTOR.

Terracon

Oklahoma and Logan Counties

SUBSURFACE PROFILE
(SHEET 1 of 2)

Design		
Detail		
Check		
Squad:		
Engr.:		

STATE OF OKLAHOMA | DEPARTMENT OF TRANSPORTATION
JOB PIECE NO. 29843(04) | B028

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08:49:38
3/26/2025

Boring No. B-3

STATION 139+73.82 55.29' LT
(4/1/2020)

Surface Elev. (Ft.): 1109.5

1,110	**APPROX. 1" OF ASPHALT PAVEMENT**	1109.5	1109.5+/-	SPT-1; N=18; SOIL REC=12 (In.); MC=14%; P200=41%; LL= NP; PL= NP; PI= NP
	APPROX. 9" OF PORTLAND CEMENT CONCRETE	1109.5 1108.5		
		1104.5	1104.5+/-	SPT-2; N=13; SOIL REC=16 (In.); MC=20%; P200=57%; LL= 26; PL= 13; PI= 13
1,100	**SILTY SAND (SM)** dusky red (5R 3/4) and reddish black (5R 2.5/1), medium dense			
	SANDY LEAN CLAY (CL) red (10R 4/6), stiff	1099.5	1099.5+/-	SPT-3; N=16; SOIL REC=14 (In.); MC=18%
	-weak red (7.5R 5/4), very stiff below 10'	1094.5	1094.5+/-	SPT-4; N=28; SOIL REC=12 (In.); MC=21%; P200=39%; LL= NP; PL= NP; PI= NP
1,090	**SILTY SAND (SM)** weak red (7.5R 5/4), medium dense			
	-reddish brown (2.5YR 4/3), dense below 20'	1089.5	1089.5+/-	SPT-5; N=36; SOIL REC=16 (In.); MC=24%; P200=34%; LL= NP; PL= NP; PI= NP
	SILTY CLAYEY SAND (SC-SM) yellowish brown (10YR 5/6), medium dense	1084.5	1084.5+/-	SPT-6; N=18; SOIL REC=18 (In.); MC=20%; P200=44%; LL= 23; PL= 16; PI= 7
1,080	-brown (7.5YR 4/3), very loose below 30'	1079.5	1079.5+/-	SPT-7; N=2; SOIL REC=18 (In.); MC=23%; P200=48%; LL= 20; PL= 14; PI= 6
			1074.5+/-	SPT-8;N=2; SOIL REC=18 (In.); MC=20%
1,070	**SILTY SAND (SM)** reddish brown (2.5YR 4/4), loose	1069.5	1069.5+/-	SPT-9; N=6; SOIL REC=18 (In.); MC=21%; P200=28%; LL= NP; PL= NP; PI= NP
	-red (2.5YR 4/8) below 45'	1064.5	1064.5+/-	SPT-10; N=5; SOIL REC=18 (In.); MC=23%; P200=39%; LL= NP; PL= NP; PI= NP
1,060			1059.5+/-	SPT-11; N=5; SOIL REC=18 (In.); MC=25%; P200=36%; LL= NP; PL= NP; PI= NP
			1054.5+/-	SPT-12; N=6; SOIL REC=16 (In.); MC=25%
1,050			1049.5+/-	SPT-13; N=5; SOIL REC=18 (In.); MC=22%; P200=15%; LL= NP; PL= NP; PI= NP
	-dusky red (10R 3/2) below 65'	1044.5	1044.5+/-	SPT-14; N=5; SOIL REC=18 (In.); MC=23%; P200=15%; LL= NP; PL= NP; PI= NP
1,040	**POORLY GRADED SAND WITH SILT (SP-SM)** reddish black (5R 2.5/1), loose	1039.5	1039.5+/-	SPT-15; N=9; SOIL REC=18 (In.); MC=21%; P200=11%; LL= NP; PL= NP; PI= NP
	CLAYEY SAND (SC) very dusky red (5R 2.5/3), very dense	1034.5 1033.5	1034.5+/-	SPT-16; N=50/4"; SOIL REC=16 (In.); MC=20%; P200=31%; LL= 22; PL= 14; PI= 8
1,030	**WEATHERED SANDSTONE** very dusky red (5R 2.5/3), cemented -red (2.5YR 4/8), well cemented to poorly cemented below 80'	1029.5	Top of Rock = 1033.5 Ft.	SPT-17; N=50/1"; MC=24% P200=31%
	WEATHERED SHALE very dusky red (5R 2.5/3), hard	1024.5 1024	1029.5+/- 1029+/-	TCP 39/6"
1,020	**WEATHERED SANDSTONE** red (10R 5/8) and dusky red (10R 3/3), well cemented -red (10R 5/8) and weak red (10R 4/4), with traces of red (2.5YR 4/6) shale below 91'	1018.5	1024.5+/- 1024+/- 1023.5+/-	SPT-18; N=50/2"; MC=25%; P200=73%; LL= 35; PL= 14; PI= 21 TCP 50/5/16"; 50/3/8"
	WEATHERED SILTSTONE WITH INTERBEDDED SANDSTONE red (10R 4/8) with red (10R 5/6), well cemented	1013.5	1019+/- 1018.5+/-	DB-19; SOIL REC=32 (In.) ROCK REC=53 (%); RQD=17 (%) TCP 50/3/8"; 50/1/4"
1,010	**WEATHERED SANDSTONE** red (2.5YR 5/8) and reddish yellow (5YR 6/5), well cemented	1008.5	1014+/- 1013.5+/-	DB-20;SOIL REC=47 (In.) ROCK REC=78 (%); RQD=[illegible] (%)
			1009+/- 1008.5+/-	TCP 50/5/8" DB-21; SOIL REC=52 (In.) ROCK REC=87 (%); RQD=78 (%) UCS-5440 psi TCP 50/9"; 50/3/8"
1,000	-red (10R 4/8), with strong brown (7.5YR 4/6) siltstone seams	998.5	1003+/- 1002.5+/-	DB-22;SOIL REC=51 (In.) ROCK REC=85 (%); RQD=57 (%) TCP 50/3/4"; 50/1/4"
			999+/- 998.5+/-	DB-23; SOIL REC=33.5 (In.) ROCK REC=23 (%); RQD=10 (%) UCS-710 psi TCP 50/1/2"; 50/1/4"
990			994+/-	DB-24; SOIL REC=37 (In.) ROCK REC=62 (%); RQD= 28 (%) TCP 50/1 1/8"; 50/1/8"
980				

BT-116.00
Elevation: 993.5+/-

Boring No. B-4

STATION 140+21.14 49.34' LT
(3/23/2020)

Surface Elev. (Ft.): 1108.9

	APPROX 12" OF PORTLAND CEMENT CONCRETE	1109 1108	1109+/-	SPT-1; N=20; SOIL REC= 10 (In.); MC=14%; P200=42%; LL= NP; PL= NP; PI= NP
	SILTY SAND (SM) weak red (10R 5/4), medium dense	1104	1104+/-	SPT-2; N=22; SOIL REC= 15 (In.); MC=12%; P200=47%; LL= 21; PL= 12; PI= 9
1,100	**CLAYEY SAND (SC)** weak red (10R 5/4) and red (10R 4/6), medium dense	1099	1099+/-	SPT-3; N=38; SOIL REC=17 (In.); MC=10%; P200=29%; LL= NP; PL= NP; PI= NP
	SILTY SAND (SM) weak red (10R 5/4), dense			
	SANDY SILTY CLAY (CL-ML) red (2.5YR 4/6), very stiff	1094	1094+/-	SPT-4; N=25; SOIL REC=17 (In.); MC=16%; P200=54%; LL= 21; PL= 14; PI= 7
1,090	**SILTY CLAYEY SAND (SC-SM)** yellowish red (5YR 5/6), medium dense	1089	1089+/-	SPT-5; N=23; SOIL REC=12 (In.); MC=19%; P200=33%; LL= 22; PL= 15; PI= 7
	-brown (7.5YR 4/4) below 25'	1084	1084+/-	SPT-6; N=17; SOIL REC=13 (In.); MC=17%; P200=38%; LL= 20; PL= 13; PI= 7
	SANDY SILTY CLAY (CL-ML) dark brown (7.5YR 3/3), soft	1079	1079+/-	SPT-7; N=2; SOIL REC=15 (In.); MC=22%; P200=60%; LL= 23; PL= 16; PI= 7
1,080	**SANDY LEAN CLAY (CL)** reddish brown (5YR 5/4), medium stiff	1074	1074+/-	SPT-8; N=5; SOIL REC=16 (In.); MC=17%; P200=59%; LL= 28; PL= 13; PI=
			1069+/-	SPT-9; N=5; SOIL R[illegible]=16 (I[illegible]; MC=20%; P[illegible]=61%; LL= 26; [illegible]= 13; PI= 13
1,070	-soft below 45'	1064	1064+/-	SPT-10; N=3; SOIL REC=16 (In.); [illegible]=22%
			1059+/-	SPT-11; N=[illegible]; SOIL REC=14 (In.); MC=16%; P200=59%; LL= [illegible]; PL= 13; PI= 12
1,060			1054+/-	SPT-12; N=2; SOIL REC=17 (In.); MC=23%
	POORLY GRADED SAND WITH SILT (SP-SM) reddish brown (5YR 4/4), medium dense	1049	1049+/-	SPT-13; N=13; SOIL REC=11 (In.); MC=21%; P200=10%; LL= NP; PL= NP; PI= NP
1,050			1044+/-	SPT-14; N=13; SOIL REC=6 (In.); MC=22%
	SILTY [illegible] reddish brown ([illegible]	1039	1039+/-	SPT-15; N=5; SOIL REC=11 (In.); MC=22%; P200=18%; LL= NP; PL= NP; PI= NP
1,040	-red [illegible]rown (5YR [illegible]/3), v[illegible] loose below 7	1034	1034+/-	SPT-16; N=3; SOIL REC=18 (In.); MC=24%; P200=17%; LL= NP; PL= NP; PI= NP
	CLAY[illegible] SAND (SC) reddish brown (5[illegible]4/4), medium dense	1029	1029+/-	SPT-17; N=11; SOIL REC=12 (In.); MC=21%; LL= 36; PL= 15; PI= 21
1,030	**SILTY SAND (SM)** reddish brown (5YR 4/4), very loose	1024	1024+/-	SPT-18; N=2; SOIL REC=18 (In.); MC=23%; P200=33%; LL= NP; PL= NP; PI= NP
	CLAYEY SAND WITH GRAVEL (SC) reddish brown (5YR 4/4), very dense	1019 1017.5	1019+/- 1017.5+/-	SPT-19; N=50/2"; SOIL REC=12 (In.); MC=11%; P200=24%; LL= 21; PL= 11; PI= 10
1,020	**WEATHERED SANDSTONE** red (10R 5/8), well cemented		Top of Rock = 1017.5 Ft.	TCP 50/1"; 50/7/16"
			1012.5+/-	TCP 50/3/8"; 50/5/16"
1,010			1007.5+/-	TCP 50/7/16"; 50/1/8"
			1002.5+/-	TCP 50/3/8"; 50/1/4"
1,000			997.5+/-	TCP 50/7/16"; 50/3/16"
			992.5+/-	TCP 50/1/4"; 50/3/16"
990			987.5+/-	TCP 50/5/8"; 50/1/4"
980				

BT-122.00
Elevation: 987+/-

Preliminary Plans

REVISIONS

REV. NO.	DESCRIPTION	DATE

LEGEND

DCD = DIAMOND CORE DRILLING, ASTM D2113-83
SPT = STANDARD PENETRATION TEST, ASTM D1586
SS = SPLIT SPOON SAMPLER
N = NUMBER OF BLOWS PER 12 INCHES
MC = MOISTURE CONTENT
LL = LIQUID LIMIT (NV=NO VALUE)
PI = PLASTICITY INDEX (NP=NO PLASTICITY)
#200 = PERCENT PASSING #200 SIEVE
UCS = UNCONFINED COMPRESSIVE STRENGTH
TCP = TEXAS CONE PENETROMETER
WCI = WET CAVE IN
= WATER LEVEL WHILE DRILLING OR SAMPLING
= WATER LEVEL AFTER DRILLING
= WATER LEVEL 24 HOURS AFTER DRILLING
= TOP OF ROCK

NOTE: WATER LEVEL ELEVATIONS SHOWN WERE OBTAINED AT THE TIME THE BORINGS WERE DRILLED AND MAY FLUCTUATE THROUGHOUT THE YEAR.

NOTE: "SS" DENOTES STANDARD PENETRATION TEST, AASHTO D1586-84. "TCP" DENOTES TEXAS CONE PENETRATION TEST.

* NOTE: TOP OF ROCK LINE SHOWN FOR ESTIMATING PURPOSES ONLY.

** NOTE: WATER LEVEL ELEVATION SHOWN WERE OBTAINED AT THE TIME THE BORINGS WERE DRILLED AND MAY FLUCTUATE THROUGHOUT THE YEAR.

*** NOTE: ROCK CLASSIFICATION IS BASED ON DRILLING CHARACTERISTICS AND VISUAL OBSERVATION OF ROCK CORE SAMPLES. PETROGRAPHIC ANALYSIS OF THIN SECTIONS OF THE ROCK CORE SAMPLES MAY REVEAL OTHER TYPES.

SITE GEOLOGY

The geology of this site consists of the red, clay shales, red, sandy shales and red, massive, commonly cross-bedded, lenticular, sandstones of the Garber Unit. The sandstones are more prominent in the southern portion of ODOT's Division 4 which would include this project site. Northward, the sandstones become thinner and shales become more prominent. The Garber unit outcrops in a 12 to 24 mile band across Grant, Garfield, Kingfisher, Logan, Noble, and Oklahoma Counties. Topographically, the unit generally forms rolling to gently rolling hills capped with sandstones and covered with thick growths of blackjack oak and post oak trees.

GEOTECHNICAL REPORT

ALL GEOTECHNICAL INFORMATION CONTAINED ON THIS SHEET IS COVERED BY THE ENGINEERING SEAL AFFIXED TO AN ORIGINAL GEOTECHNICAL ENGINEERING REPORT THAT HAS BEEN STAMPED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN OKLAHOMA. TO OBTAIN A COPY OF THE COMPLETE REPORT, CONTACT THE ODOT OFFICE ENGINEER AT (405) 521-2625. THE CONTRACTOR SHOULD BE FULLY AWARE OF THE SITE CONDITIONS PRIOR TO BEGINNING WORK. ANY ADDITIONAL GEOTECNICAL INFORMATION WHICH MAY BE DESIRED IS THE RESPONSIBILITY OF THE CONTRACTOR.

Terracon

Oklahoma and Logan Counties

SUBSURFACE PROFILE
(SHEET 2 of 2)

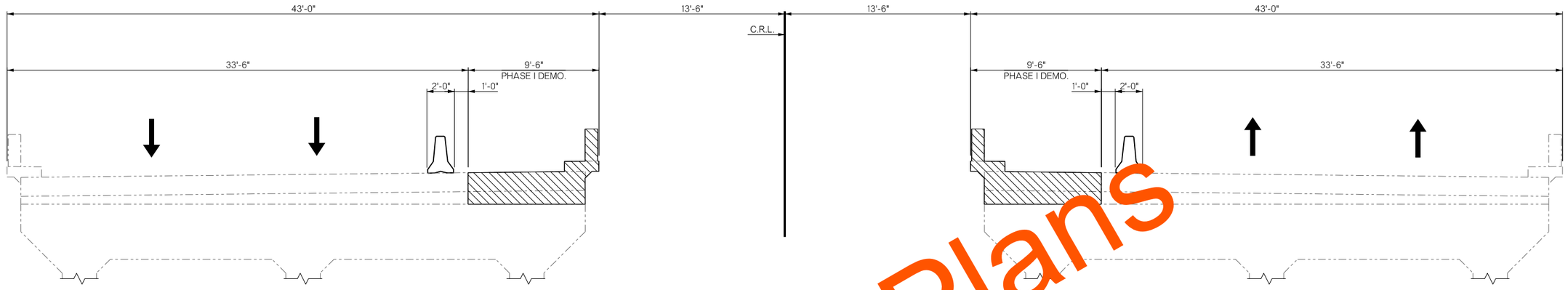
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Detail		
Check		
Squad:		
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STATE OF OKLAHOMA | DEPARTMENT OF TRANSPORTATION
JOB PIECE NO. 29843(04) | B029

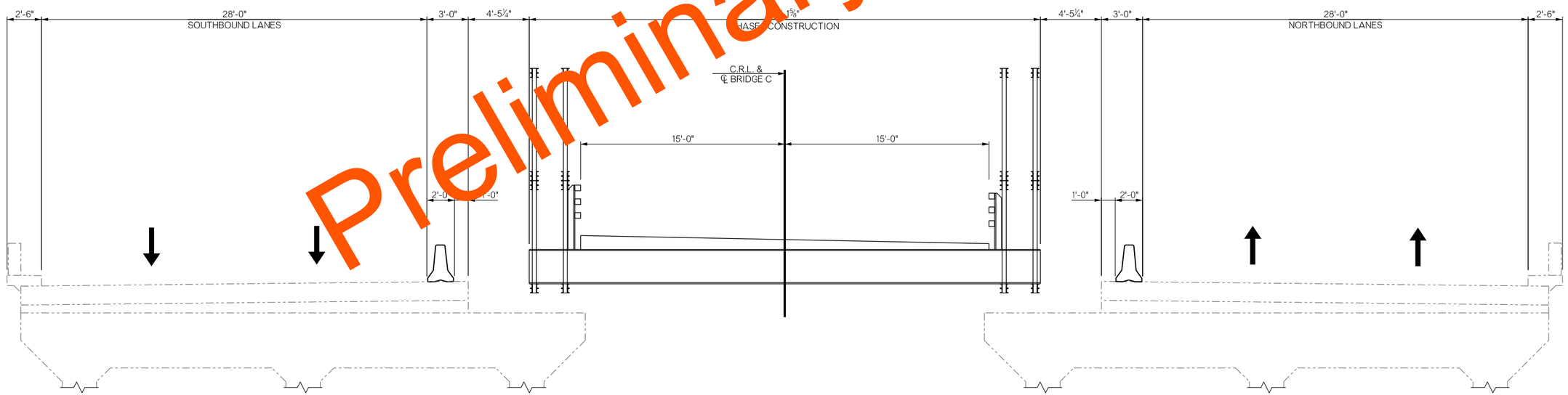
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3/26/2025

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/26/2025



TYPICAL SECTION - PHASE I DEMOLITION
(LOOKING FORWARD STATION)



TYPICAL SECTION - PHASE I CONSTRUCTION
(LOOKING FORWARD STATION)

LEGEND

- EXISTING STRUCTURE
- EXISTING STRUCTURE DEMOLITION
- PROPOSED STRUCTURE
- TEMPORARY MEDIAN BARRIER

Preliminary Plans

BRIDGE "B"
I-35 SB OVER WATERLOO RD.
OKLAHOMA & LOGAN COUNTIES

DESIGN	DPE	5/18
DETAIL	SJL	1/20
CHECK	DPE	1/20

SEQUENCE OF CONSTRUCTION (SHEET 1 OF 5)

GARVER

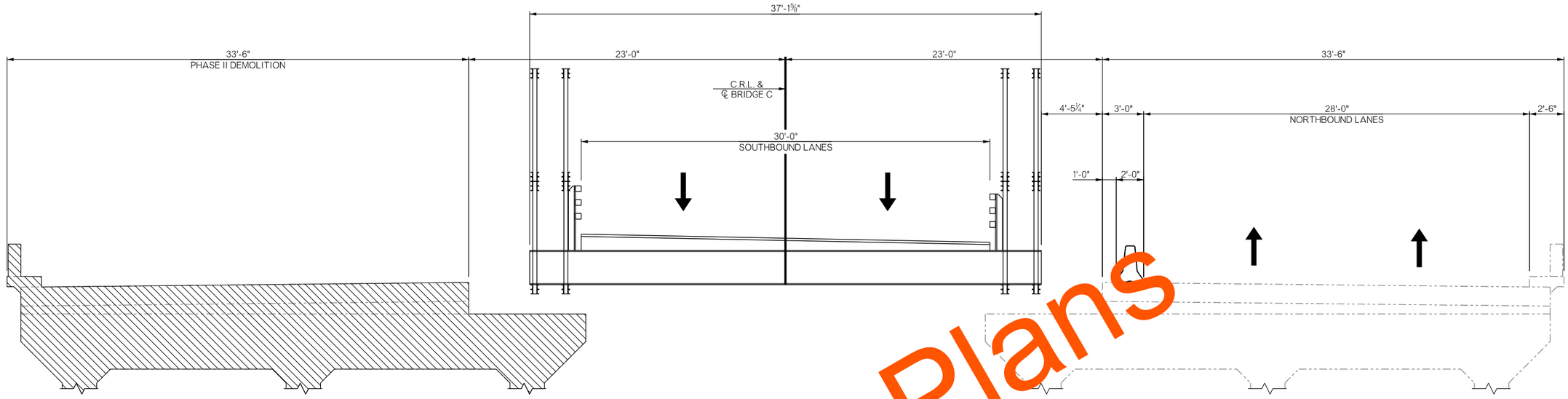
STATE OF OKLAHOMA | DEPARTMENT OF TRANSPORTATION

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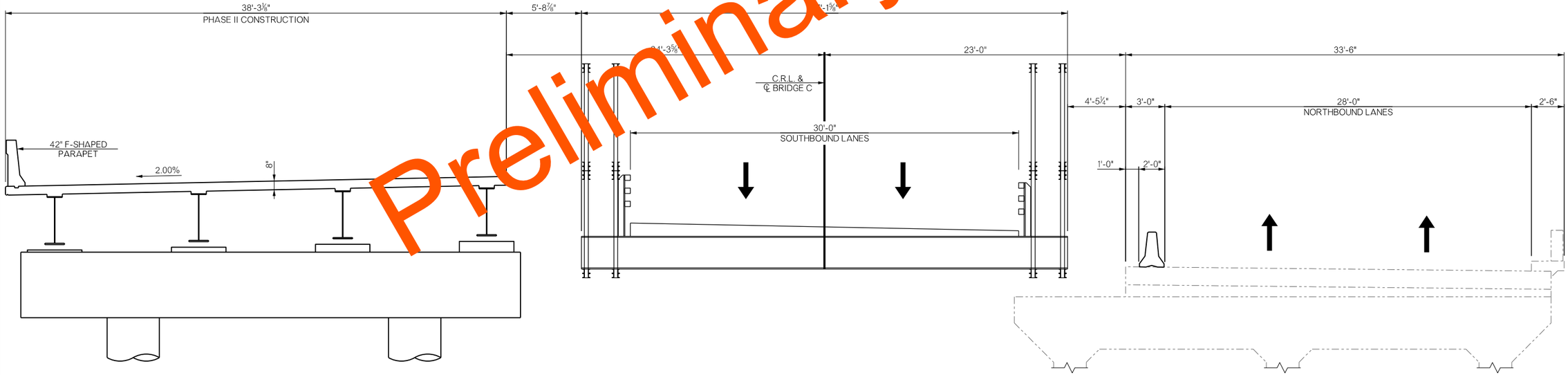
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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/26/2025



TYPICAL SECTION - PHASE II DEMOLITION
(LOOKING FORWARD STATION)



TYPICAL SECTION - PHASE II CONSTRUCTION
(LOOKING FORWARD STATION)

Preliminary Plans

LEGEND

- EXISTING STRUCTURE
- EXISTING STRUCTURE DEMOLITION
- PROPOSED STRUCTURE
- TEMPORARY MEDIAN BARRIER

BRIDGE "B" OVER I-35 SB OVER WATERLOO RD.
OKLAHOMA & LOGAN COUNTIES

DESIGN	DPE	5/18
DETAIL	SJL	1/20
CHECK	DPE	1/20

SEQUENCE OF CONSTRUCTION
(SHEET 2 OF 5)

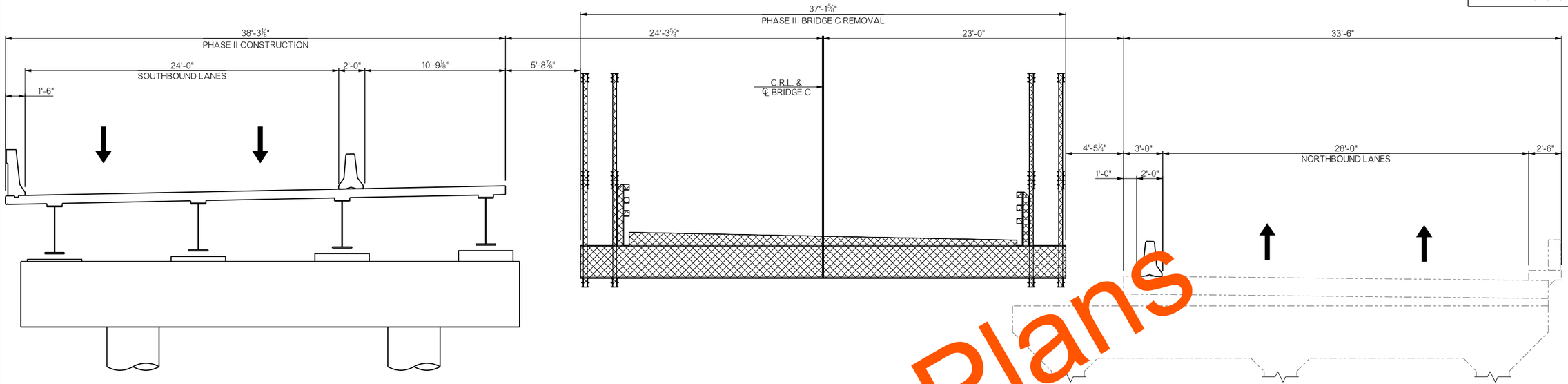
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STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION
JOB PIECE NO. 29843(04)
SHEET NO. B031

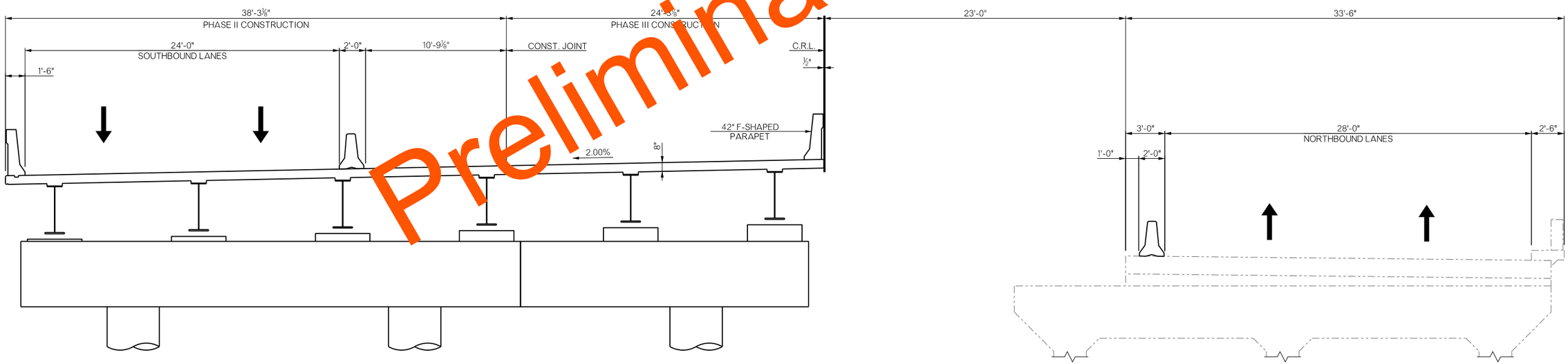
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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/26/2025



TYPICAL SECTION - PHASE III TEMPORARY BRIDGE REMOVAL
(LOOKING FORWARD STATION)



TYPICAL SECTION - PHASE III CONSTRUCTION
(LOOKING FORWARD STATION)

LEGEND

- EXISTING STRUCTURE
- EXISTING STRUCTURE DEMOLITION
- PROPOSED STRUCTURE
- TEMPORARY MEDIAN BARRIER

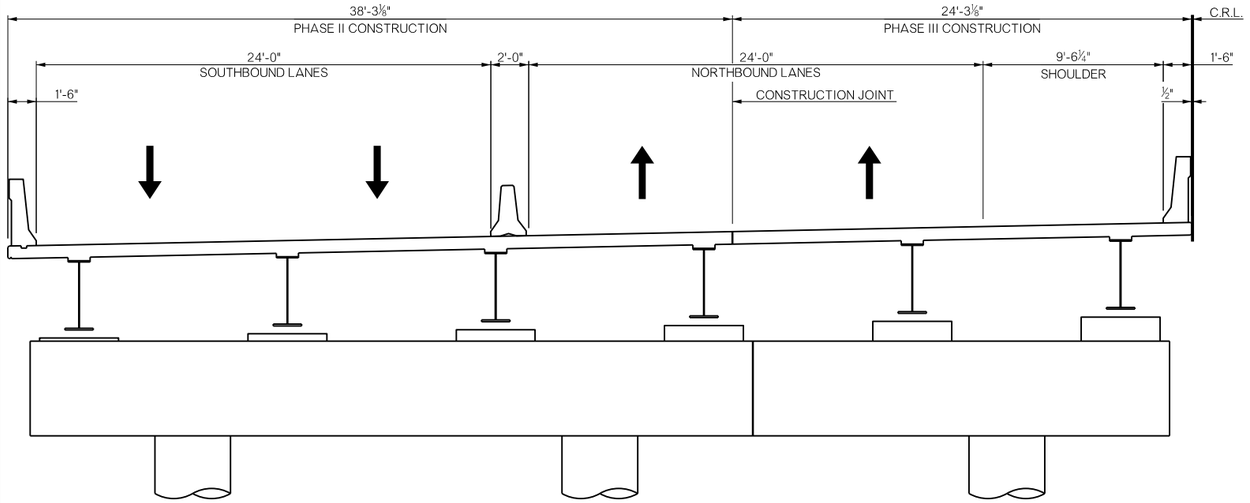
Preliminary Plans

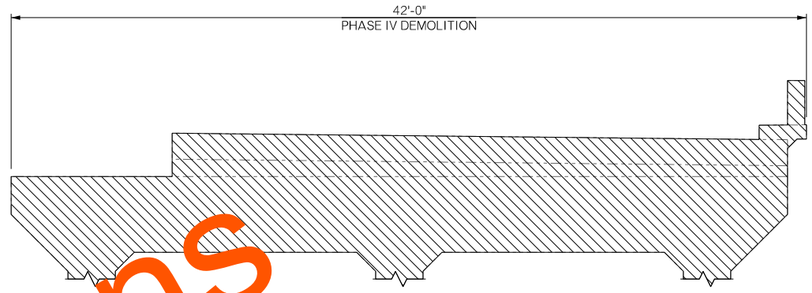
BRIDGE "B" I-35 SB OVER WATERLOO RD.	OKLAHOMA & LOGAN COUNTIES	DESIGN	DPE	5/18
SEQUENCE OF CONSTRUCTION (SHEET 3 OF 5)		DETAIL	SJL	1/20
		CHECK	DPE	1/20
		GARVER		
STATE OF OKLAHOMA	DEPARTMENT OF TRANSPORTATION			
	JOB PIECE NO. 29843(04)	SHEET NO. B032		

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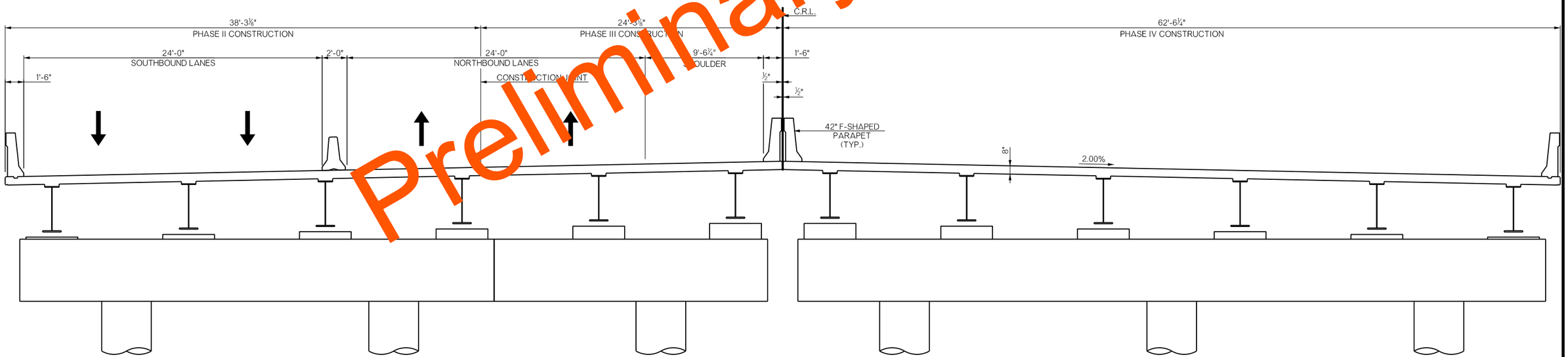
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/26/2025





TYPICAL SECTION - PHASE IV DEMOLITION
(LOOKING FORWARD STATION)



TYPICAL SECTION - PHASE IV CONSTRUCTION
(LOOKING FORWARD STATION)

Preliminary Plans

LEGEND

- EXISTING STRUCTURE
- EXISTING STRUCTURE DEMOLITION
- PROPOSED STRUCTURE
- TEMPORARY MEDIAN BARRIER

BRIDGE "B" OVER I-35 SB OVER WATERLOO RD.
OKLAHOMA & LOGAN COUNTIES

DESIGN	DPE	5/18
DETAIL	SJL	1/20
CHECK	DPE	1/25

SEQUENCE OF CONSTRUCTION (SHEET 4 OF 5)

GARVER

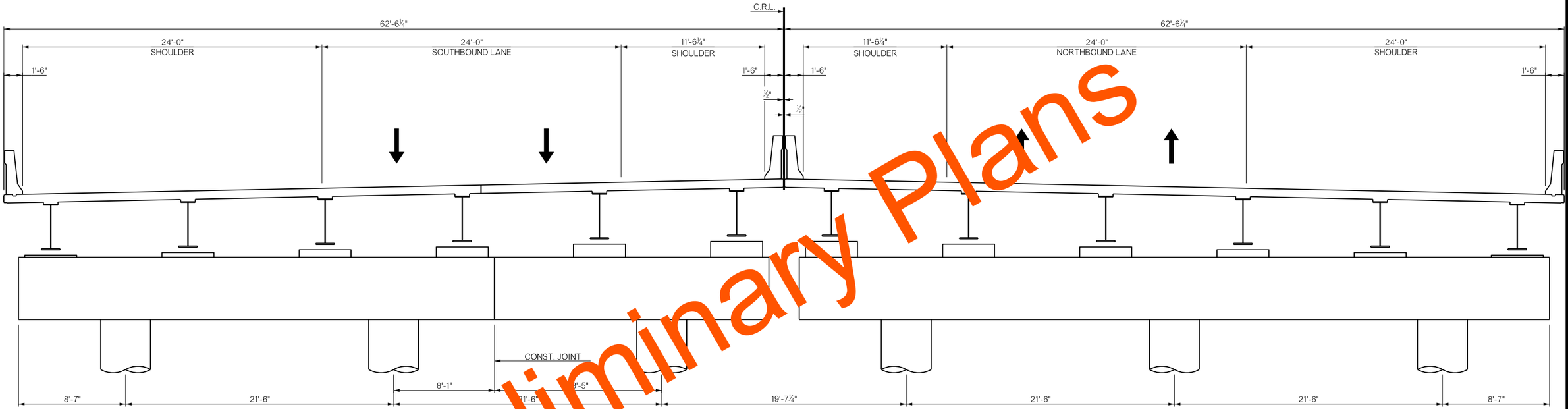
STATE OF OKLAHOMA | DEPARTMENT OF TRANSPORTATION

JOB PIECE NO. 29843(04) SHEET NO. B033

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/26/2025



SOUTHBOUND NORTHBOUND

FINAL CONDITION

Preliminary Plans

LEGEND

PROPOSED STRUCTURE

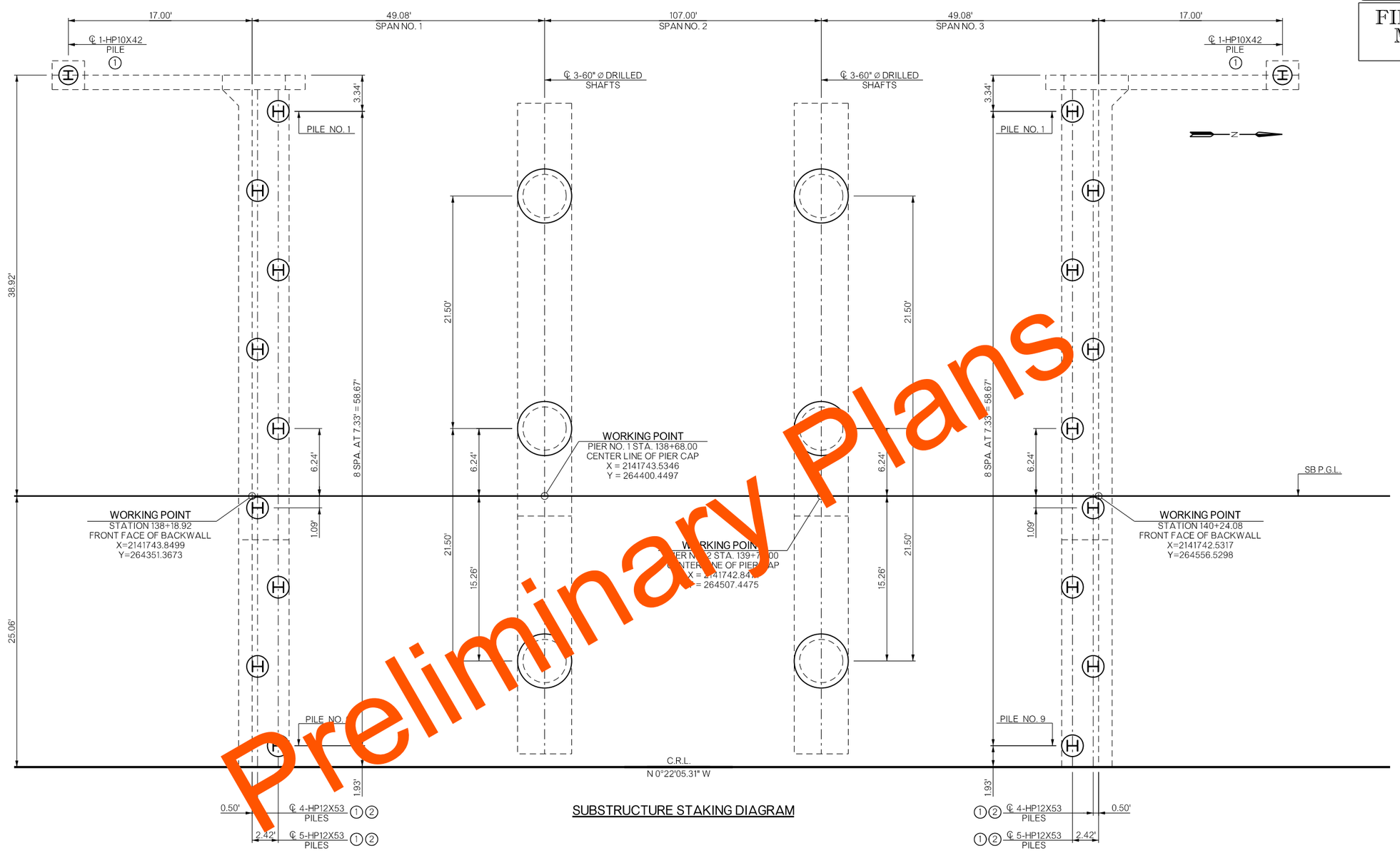
BRIDGE "B" I-35 SB OVER WATERLOO RD.	OKLAHOMA & LOGAN COUNTIES	DESIGN	DPE 5/18
		DETAIL	SJL 1/20
SEQUENCE OF CONSTRUCTION (SHEET 5 OF 5)		CHECK	DPE 1/20
		GARVER	
STATE OF OKLAHOMA	DEPARTMENT OF TRANSPORTATION		
	JOB PIECE NO. 29843(04)	SHEET NO. B034	

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/26/2025

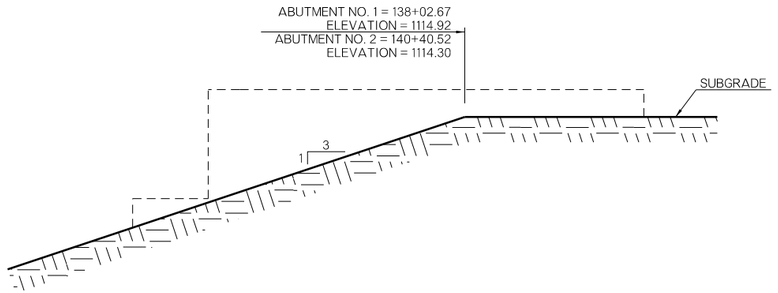


SUBSTRUCTURE STAKING DIAGRAM

Preliminary Plans

TOP OF PILE SCHEDULE AT ABUTMENT NO. 1	
PILE	ELEVATION
WING	1111.05
CAP	1108.80

TOP OF PILE SCHEDULE AT ABUTMENT NO. 2	
PILE	ELEVATION
WING	1110.46
CAP	1108.21



DETAIL OF GRADING

(SLOPE SHOWN TO BE SHAPED BY THE GRADING CONTRACTOR)

1. WITH PILE ENCASEMENT. FOR DETAILS SEE STD. HP1-2-01E. TYPICAL AT ALL PILE LOCATIONS
2. FACE OF PILE WEB SHALL BE PERPENDCULAR TO FACE OF BRIDGE SEAT.

BRIDGE "B" OVER WATERLOO RD.
I-35 SB
OKLAHOMA & LOGAN COUNTIES

STAKING DIAGRAM

DESIGN	DPE	8/20
DETAIL	SJL	10/20
CHECK	DPE	1/25

GARVER

STATE OF OKLAHOMA

DEPARTMENT OF TRANSPORTATION

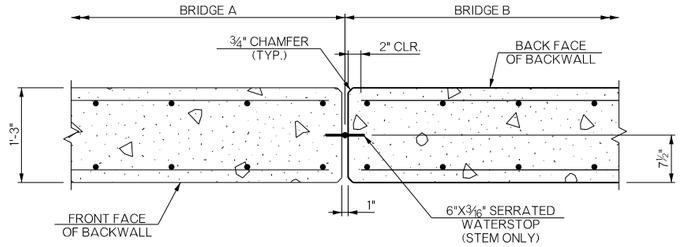
JOB PIECE NO. 29843(04)

SHEET NO. B035

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/27/2025



WATERSTOP DETAIL ⑤

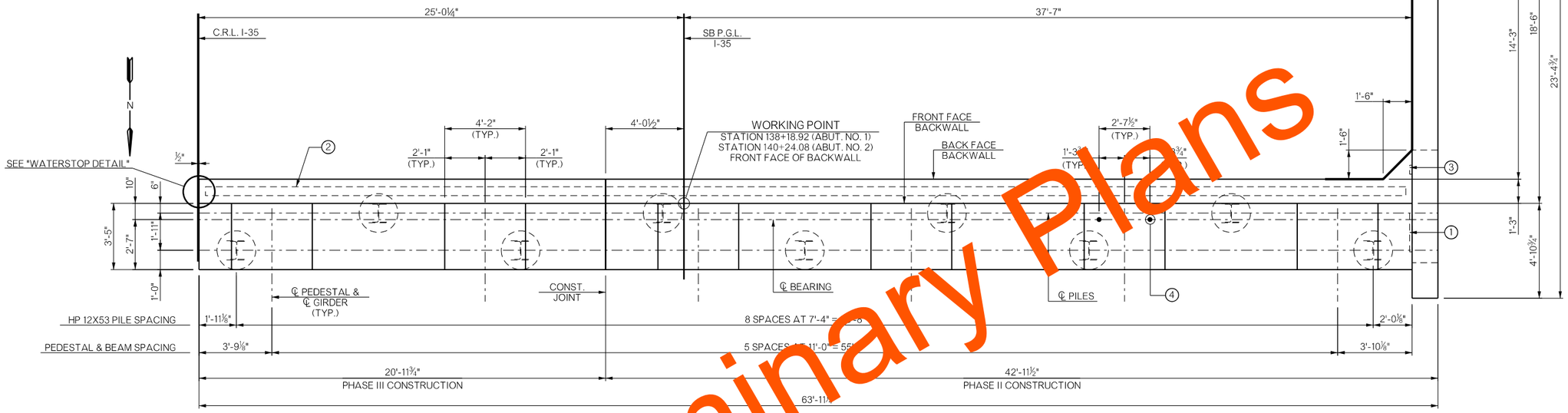
BEAM SEAT ELEVATIONS

ABUT. NO.	1	2	3	4	5	6
1	1111.22	1111.44	1111.66	1111.88	1112.10	1112.32
2	1110.63	11100.85	1111.07	1111.29	1111.51	1111.73

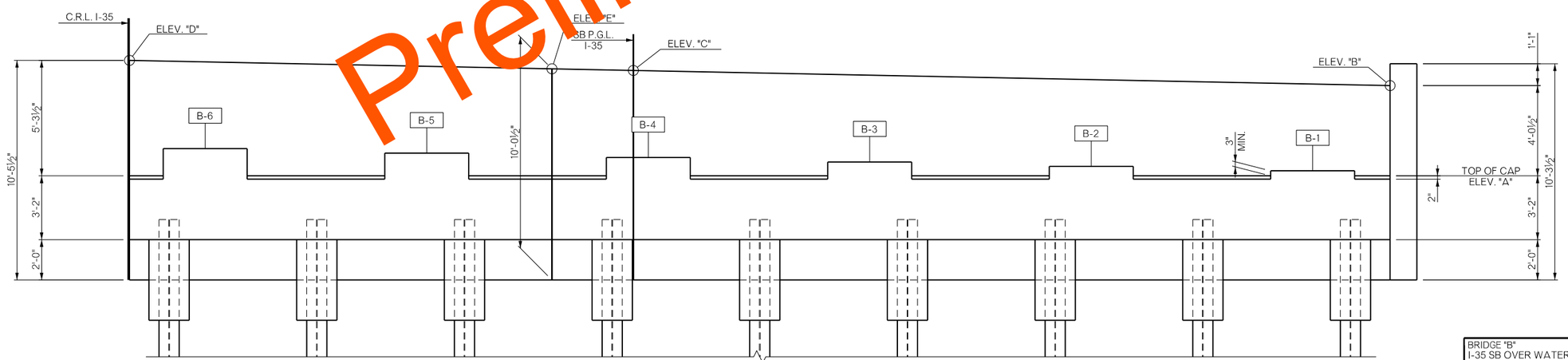
TABLE OF VARIABLES

ABUT. NO.	ELEV. "A"	ELEV. "B"	ELEV. "C"	ELEV. "D"	ELEV. "E"
1	1110.97	1115.01	1115.76	1116.26	1115.84
2	1110.38	1114.42	1115.17	1115.67	1115.25

① 1½" X 2-0" X 2'-0" KEYED CONSTRUCTION JOINT
② 1½" X 5½" X 61'-11¼" KEYED CONSTRUCTION JOINT
③ 1½" x 5½" KEYED CONSTRUCTION JOINT
④ 1½" ⌀ ANCHOR BOLTS (TYP. EACH PEDESTAL)
⑤ COST OF WATERSTOP TO BE INCLUDED IN OTHER ITEMS OF WORK



PLAN



ELEVATION
(ABUTMENT NO. 1 LOOKING BACK STATION SHOWN,
ABUTMENT NO. 2 LOOKING FORWARD STATION SIMILAR BUT OPPOSITE HAND)

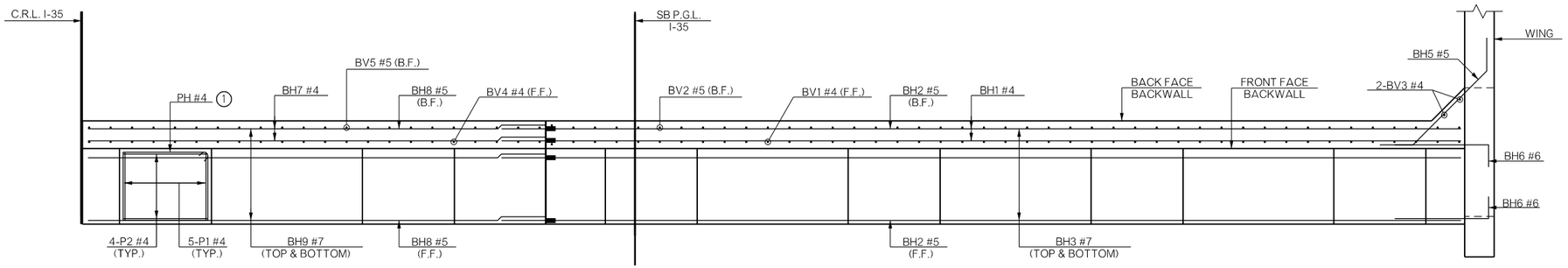
Preliminary Plans

BRIDGE "B" I-35 SB OVER WATERLOO RD.	OKLAHOMA & LOGAN COUNTIES	DESIGN	DPE 12/24
		DETAIL	SJL 12/24
		CHECK	DPE 1/25
ABUTMENT DETAILS (SHEET 1 OF 4)		GARVER	
STATE OF OKLAHOMA	DEPARTMENT OF TRANSPORTATION		
	JOB PIECE NO. 29843(04)	SHEET NO. B036	

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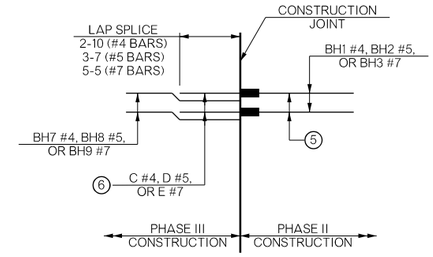
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/26/2025

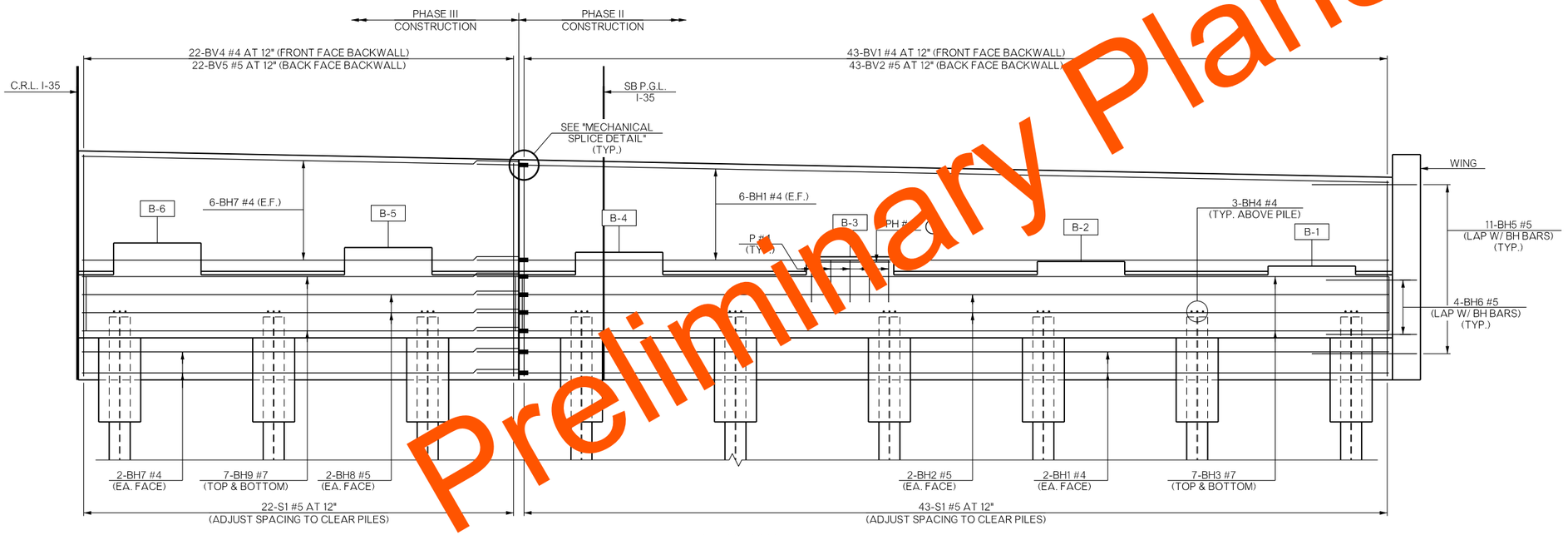


PLAN
(SHOWING REINFORCING STEEL LAYOUT)

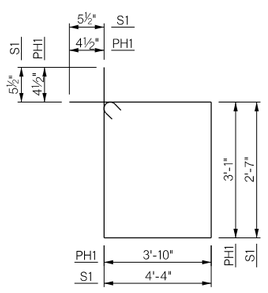
(1) 2-PH #4 AT PEDESTALS B-6 & B-5
1-PH #4 AT PEDESTALS B-4 & B-3



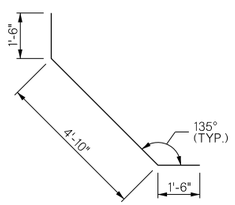
MECHANICAL SPLICE DETAIL



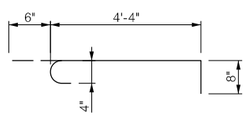
ELEVATION
(SHOWING REINFORCING STEEL LAYOUT)
(ABUTMENT NO. 1 LOOKING BACK STATION SHOWN,
ABUTMENT NO. 2 LOOKING FORWARD STATION SIMILAR BUT OPPOSITE HAND)



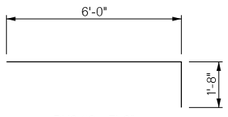
PH1 #4 x 14'-7"
S1 #5 x 14'-9"



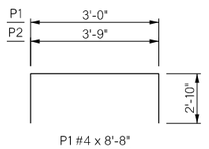
BH5 #5 x 7'-10"



BH4 #4 x 5'-6"



BH6 #6 x 7'-8"



P1 #4 x 8'-8"
P2 #4 x 9'-5"

NOTES:
MECHANICAL COUPLERS SHALL ONLY BE USED IN PHASE II CONSTRUCTION.

COST OF INSTALLING MECHANICAL SPLICES SHALL NOT BE PAID FOR DIRECTLY BUT SHALL BE INCLUDED IN THE PRICE BID PER EACH OF "MECHANICAL SPLICES".

(5) INSTALL MECHANICAL REINFORCING BAR COUPLER (EPOXY COATED) IN ACCORDANCE WITH SECTION 511.04.C.3. INSTALLATION SHALL FOLLOW THE MANUFACTURER'S RECOMMENDATIONS. COUPLERS SHALL BE ATTACHED TO:

BH1 #4
BH2 #5
BH3 #7

(6) SPLICE:
BH1 WITH C #4
BH2 WITH D #5
BH3 WITH E #7

LAP:
C WITH BH7 #4
D WITH BH8 #5
E WITH BH9 #7

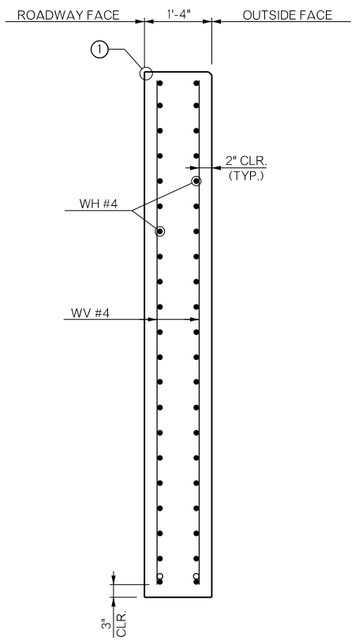
Preliminary Plans

BRIDGE "B" I-35 SB OVER WATERLOO RD.	OKLAHOMA & LOGAN COUNTIES	DESIGN	DPE	12/24
		DETAIL	SJL	12/24
ABUTMENT DETAILS (SHEET 2 OF 4)		CHECK	DPE	1/25
		GARVER		
STATE OF OKLAHOMA	DEPARTMENT OF TRANSPORTATION			
	JOB PIECE NO. 29843(04)	SHEET NO. B037		

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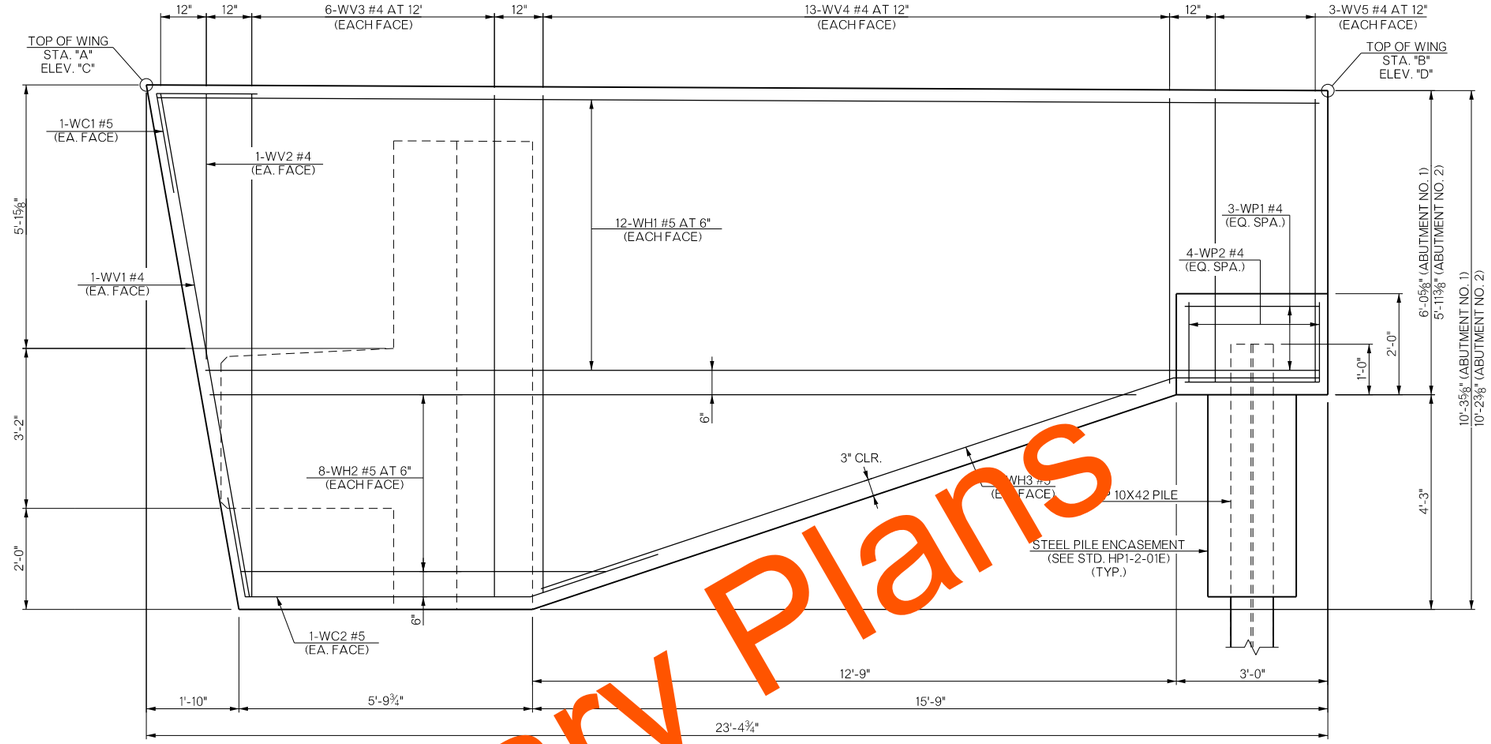
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/26/2025



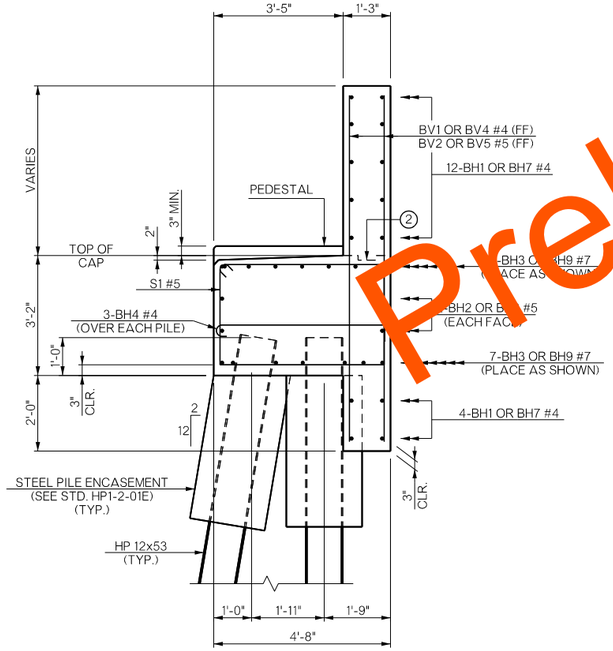
SECTION THRU WING

1 TOP CORNER OF ROADWAY FACE OF ABUTMENT WING SHALL NOT BE CHAMFERED.



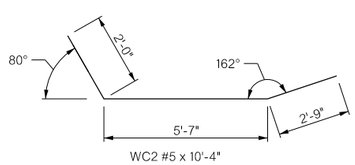
WING ELEVATION

TABLE OF VARIABLES				
ABUT. NO.	STA. "A"	STA. "B"	ELEV. "C"	ELEV. "D"
1	138+23.81	138+00.42	1116.09	1116.11
2	140+19.19	140+42.58	1115.52	1115.41

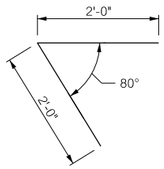


TYPICAL SECTION THRU ABUTMENT

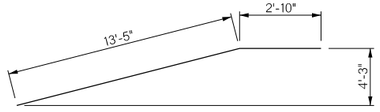
2 1½" X 5½" KEYED CONSTRUCTION JOINT.



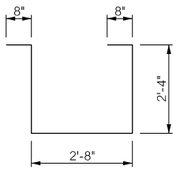
WC2 #5 x 10'-4"



WC1 #5 x 4'-0"



WH3 #6 x 16'-3"

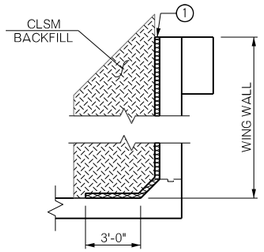


WP1 #4 x 8'-8"

Preliminary Plans

BRIDGE "B" I-35 SB OVER WATERLOO RD.	OKLAHOMA & LOGAN COUNTIES	DESIGN	DPE 12/24
ABUTMENT DETAILS (SHEET 3 OF 4)		DETAIL	SJL 12/24
		CHECK	DPE 1/25
		GARVER	
STATE OF OKLAHOMA	DEPARTMENT OF TRANSPORTATION		
	JOB PIECE NO. 29843(04)	SHEET NO. B038	

3/26/2025 08:49:50 L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\Bridge\29843(04)-B-ABUTMENT DETAILS 3.dgn



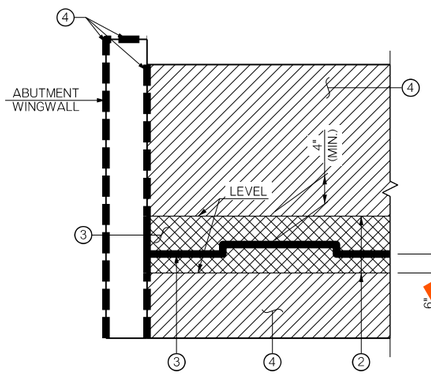
CARDBOARD VOID FORM

VOID FORM DETAILS

(1) 1" CARDBOARD VOID FORM. THE VOID FORM SHALL BE ABLE TO WITHSTAND CRUSHING DUE TO POURING AND CURING OF CLSM BACKFILL AND MAINTAIN 1" VOID. COST TO BE INCLUDED IN OTHER ITEMS OF WORK.

THE CARDBOARD VOID FORM SHALL PROVIDE A TEMPORARY SUPPORT DURING PLACEMENT OF THE CLSM. AFTER THE CLSM CAN SUPPORT FOOT TRAFFIC THE VOID FORM SHALL LOSE STRENGTH AND CREATE A 1" SPACE IN PLACE OF THE VOID FORM SUCH AS SEPARATOR VOID AS MANUFACTURED BY SUREVOID PRODUCTS OR AN APPROVED EQUAL. PRODUCT INFORMATION FOR SEPARATOR VOID CAN BE OBTAINED FROM SUREVOID PRODUCTS OF ENGLEWOOD, COLORADO, PHONE NUMBER 800-458-5444.

THE VOID FORM SHALL BE PLACED THE ENTIRE LENGTH OF THE WING WALL, FROM THE BOTTOM OF EXCAVATION TO THE TOP OF THE CLSM POUR. THE FORM SHALL EXTEND A MINIMUM OF 3'-0" ALONG THE BACKWALL, AND A MINIMUM OF 1'-0" BEYOND ANY BACKWALL BREAKLINES.



CONCRETE TREATMENT DETAILS

(2) MASK SIDES AND ENDS OF ABUTMENT CAP ALONG THIS LINE TO PROVIDE A CLEAN STRAIGHT FINISH AT TOP AND BOTTOM OF ELASTOMERIC COATING APPLICATION. SEE "GENERAL NOTE" ON SHEET NO. AB01 FOR ELASTOMERIC COATING SPECIFICATIONS.

(3) APPLY CIM-100 (ELASTOMERIC COATING), TO THE SURFACES INDICATED BY CROSSHATCH AND HEAVY LINES, INCLUDING PEDESTALS, BACKWALL, AND INSIDE FACE OF WINGWALL.

(4) APPLY WATER REPELLENT TO THE SURFACES INDICATED BY HATCH AND HEAVY DASHED LINES. INCLUDING THE FRONT FACES OF THE BACKWALL AND CAP, AND TOP, INSIDE, AND OUTSIDE FACES OF THE WING.

SUMMARY OF QUANTITIES - ABUTMENT NO. 1

ITEM	UNIT	PHASE II CONST.	PHASE III CONST.	TOTAL
SUBSTRUCTURE EXCAVATION COMMON	CY	80.00	30.00	110.00
(5) CLSM BACKFILL	CY	100.80	50.90	151.70
CLASS A CONCRETE	CY	46.00	19.60	65.60
CLASS C CONCRETE	CY	4.70	-	4.70
MECHANICAL SPLICES	EA	34.00	-	34.00
EPOXY COATED REINFORCING STEEL	LB	4,760.00	2,000.00	6,760.00
PILES, FURNISHED (HP 10X42)	LF	23.00	-	23.00
PILES, FURNISHED (HP 12X53)	LF	126.00	63.00	189.00
PILES, DRIVEN (HP 10X42)	LF	23.00	-	23.00
PILES, DRIVEN (HP 12X53)	LF	126.00	63.00	189.00
WATER REPELLENT (VISUALLY INSPECTED)	SY	36.00	12.00	48.00
ELASTOMERIC COATING	SF	262.00	137.00	399.00
6" PERFORATED PIPE UNDERDRAIN ROUND	LF	41.00	21.00	62.00
6" NON-PERF.PIPE UNDERDRAIN RND.	LF	15.00	-	15.00

(5) QUANTITIES ARE COMPUTED BASED ON ACTUAL GRADING. CONTRACTOR SHALL IGNORE NOTE 2 ON THE ODOT STANDARD DRAWING.

SUMMARY OF QUANTITIES - ABUTMENT NO. 2

ITEM	UNIT	PHASE II CONST.	PHASE III CONST.	TOTAL
SUBSTRUCTURE EXCAVATION COMMON	CY	80.00	30.00	110.00
(5) CLSM BACKFILL	CY	98.50	49.80	148.30
CLASS A CONCRETE	CY	45.90	19.60	65.50
CLASS C CONCRETE	CY	6.20	-	6.20
MECHANICAL SPLICES	EA	34.00	-	34.00
EPOXY COATED REINFORCING STEEL	LB	4,760.00	2,000.00	6,760.00
PILES, FURNISHED (HP 10X42)	LF	95.00	-	95.00
PILES, FURNISHED (HP 12X53)	LF	561.00	281.00	842.00
PILES, DRIVEN (HP 10X42)	LF	95.00	-	95.00
PILES, DRIVEN (HP 12X53)	LF	561.00	281.00	842.00
WATER REPELLENT (VISUALLY INSPECTED)	SY	36.00	12.00	48.00
ELASTOMERIC COATING	SF	262.00	137.00	399.00
6" PERFORATED PIPE UNDERDRAIN ROUND	LF	41.00	21.00	62.00
6" NON-PERF.PIPE UNDERDRAIN RND.	LF	15.00	-	15.00

BAR LIST - ABUTMENT NO. 1

	MARK	SIZE	NO.	FORM	LENGTH	LENGTH VARIATION
	EPOXY COATED REINFORCING STEEL					
PHASE II CONSTRUCTION	BH1	#4	16	STR.	41'-5"	-
	BH2	#5	4	STR.	41'-5"	-
	BH3	#7	14	STR.	41'-5"	-
	BH4	#4	18	BENT	5'-6"	-
	BH5	#5	11	BENT	7'-10"	-
	BH6	#6	8	BENT	7'-8"	-
	BV1	#4	43	STR.	9'-2" AVG.	8'-9" TO 9'-7"
	BV2	#5	43	STR.	9'-2" AVG.	8'-9" TO 9'-7"
	BV3	#4	2	STR.	8'-9"	-
	P1	#4	20	BENT	8'-8"	-
	P2	#4	16	BENT	9'-5"	-
	PH	#4	2	BENT	14'-7"	-
	S1	#5	43	BENT	14'-9"	-
PHASE III CONSTRUCTION	BH4	#4	9	BENT	5'-6"	-
	BH7	#4	16	STR.	20'-7"	-
	BH8	#5	4	STR.	20'-7"	-
	BH9	#7	14	STR.	20'-7"	-
	BV4	#4	22	STR.	9'-9½" AVG.	9'-7" TO 10'-0"
	BV5	#5	22	STR.	9'-9½" AVG.	9'-7" TO 10'-0"
(9)	C	#4	16	STR.	3'-0"	-
(9)	D	#5	4	STR.	3'-9"	-
(9)	E	#7	14	STR.	5'-7"	-
	P1	#4	10	BENT	8'-8"	-
	P2	#4	8	BENT	9'-5"	-
	PH	#4	4	BENT	14'-7"	-
	S1	#5	22	BENT	14'-9"	-

(6) TWO SETS OF 12
(7) TWO SETS OF 8
(8) TWO SETS OF 13

BAR LIST - ABUTMENT NO. 2

	MARK	SIZE	NO.	FORM	LENGTH	LENGTH VARIATION
	EPOXY COATED REINFORCING STEEL					
PHASE II CONSTRUCTION	BH1	#4	16	STR.	41'-5"	-
	BH2	#5	4	STR.	41'-5"	-
	BH3	#7	14	STR.	41'-5"	-
	BH4	#4	18	BENT	5'-6"	-
	BH5	#5	11	BENT	7'-10"	-
	BH6	#6	8	BENT	7'-8"	-
	BV1	#4	43	STR.	9'-2" AVG.	8'-9" TO 9'-7"
	BV2	#5	43	STR.	9'-2" AVG.	8'-9" TO 9'-7"
	BV3	#4	2	STR.	8'-9"	-
	P1	#4	20	BENT	8'-8"	-
	P2	#4	16	BENT	9'-5"	-
	PH	#4	2	BENT	14'-7"	-
	S1	#5	43	BENT	14'-9"	-
PHASE III CONSTRUCTION	BH4	#4	9	BENT	5'-6"	-
	BH7	#4	16	STR.	20'-7"	-
	BH8	#5	4	STR.	20'-7"	-
	BH9	#7	14	STR.	20'-7"	-
	BV4	#4	22	STR.	9'-9½" AVG.	9'-7" TO 10'-0"
	BV5	#5	22	STR.	9'-9½" AVG.	9'-7" TO 10'-0"
(9)	C	#4	16	STR.	3'-0"	-
(9)	D	#5	4	STR.	3'-9"	-
(9)	E	#7	14	STR.	5'-7"	-
	P1	#4	10	BENT	8'-8"	-
	P2	#4	8	BENT	9'-5"	-
	PH	#4	4	BENT	14'-7"	-
	S1	#5	22	BENT	14'-9"	-

(9) BAR LENGTH DOES NOT INCLUDE LENGTH OF BAR INSERTED INTO COUPLER. CONTRACTOR IS TO ADJUST THE LENGTH AS NEEDED TO ACHIEVE MANUFACTUERES RECCOMENDED INSERT LENGTH. COST OF ADDITIONAL BAR TO BE INCLUDED IN THE PRICE BID PER EACH "MECHANICAL SPLICES".

BAR LIST - WING (ABUTMENT NO. 1)

	MARK	SIZE	NO.	FORM	LENGTH	LENGTH VARIATION
	EPOXY COATED REINFORCING STEEL					
	WC1	#5	2	BENT	4'-0"	-
	WC2	#5	2	BENT	10'-4"	-
(6)	WH1	#5	24	STR.	22'-5½" AVG.	22'-0" TO 22'-11"
(7)	WH2	#5	16	STR.	12'-8" AVG.	7'-2" TO 18'-2"
	WH3	#5	2	BENT	16'-3"	-
	WP1	#4	3	BENT	8'-8"	-
	WP2	#4	4	STR.	1'-7"	-
	WV1	#4	2	STR.	10'-0"	-
	WV2	#4	2	STR.	5'-7"	-
	WV3	#4	12	STR.	9'-10"	-
(8)	WV4	#4	26	STR.	7'-8" AVG.	5'-8" TO 9'-8"
	WV5	#4	6	STR.	5'-7"	-

BAR LIST - WING (ABUTMENT NO. 2)

	MARK	SIZE	NO.	FORM	LENGTH	LENGTH VARIATION
	EPOXY COATED REINFORCING STEEL					
	WC1	#5	2	BENT	4'-0"	-
	WC2	#5	2	BENT	10'-4"	-
(6)	WH1	#5	24	STR.	22'-6½" AVG.	22'-1" TO 23'-0"
(7)	WH2	#5	16	STR.	12'-9½" AVG.	7'-4" TO 18'-3"
	WH3	#5	2	BENT	16'-3"	-
	WP1	#4	3	BENT	8'-8"	-
	WP2	#4	4	STR.	1'-7"	-
	WV1	#4	2	STR.	10'-0"	-
	WV2	#4	2	STR.	5'-7"	-
	WV3	#4	12	STR.	9'-10"	-
(8)	WV4	#4	26	STR.	7'-7" AVG.	5'-7" TO 9'-7"
	WV5	#4	6	STR.	5'-6"	-

Preliminary Plans

BRIDGE "B" OVER I-35 SB WATERLOO RD.
OKLAHOMA & LOGAN COUNTIES

ABUTMENT DETAILS (SHEET 4 OF 4)

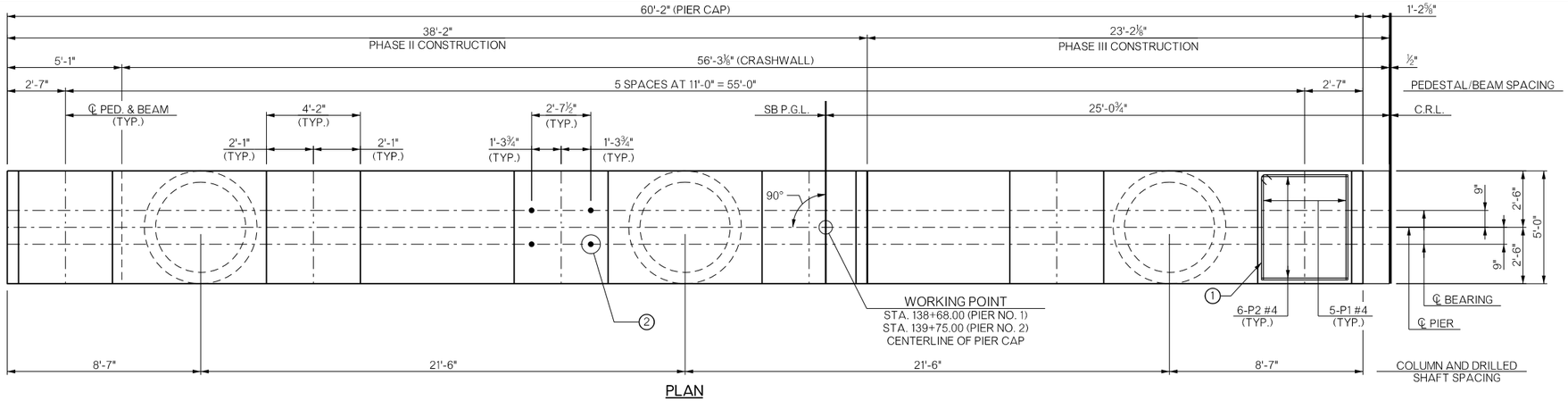
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DETAIL	SJL	12/24
CHECK	DPE	1/25

GARVER

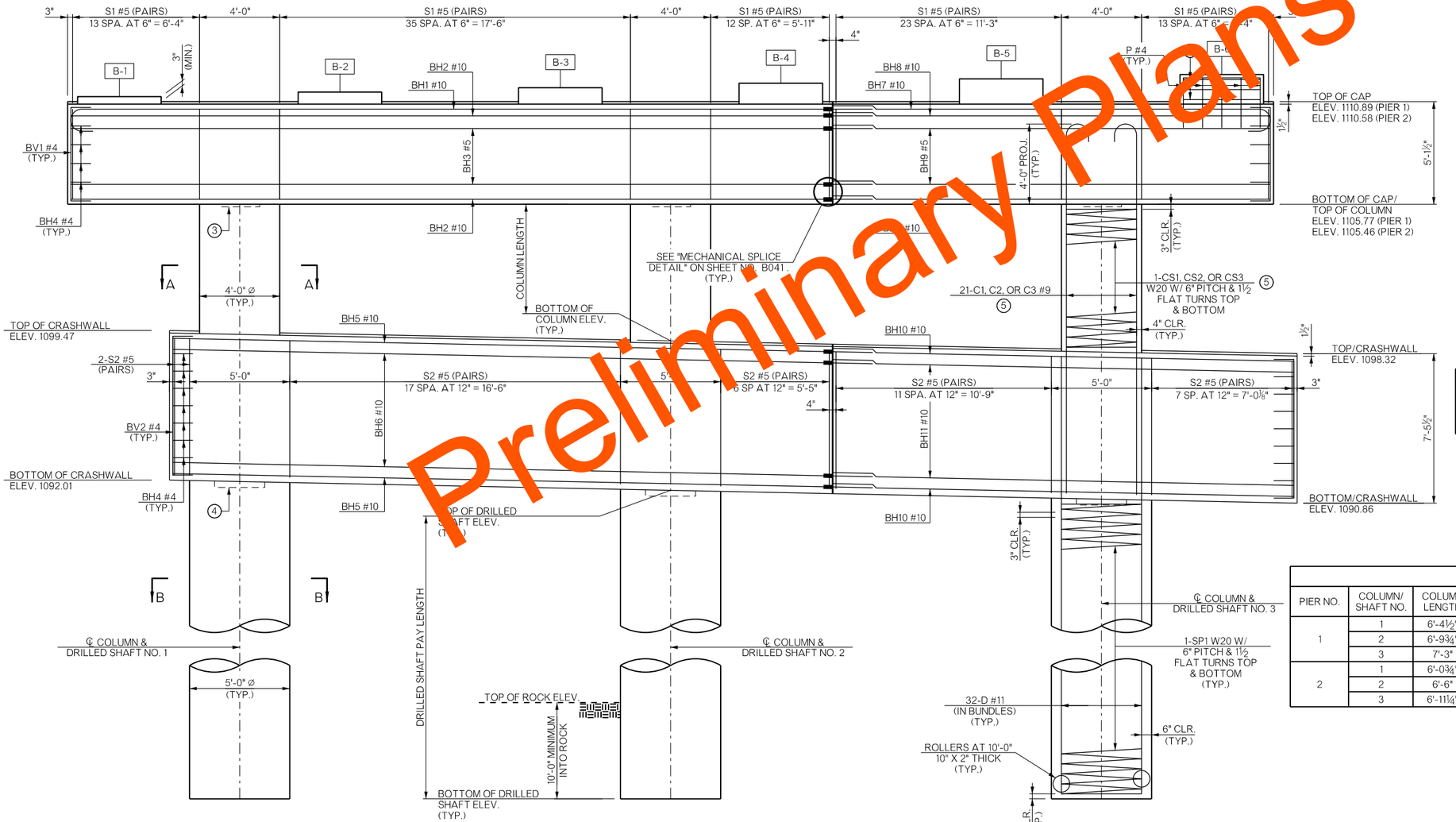
STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION
JOB PIECE NO. 29843(04)
SHEET NO. B039

OKLAHOMA DEPARTMENT OF TRANSPORTATION

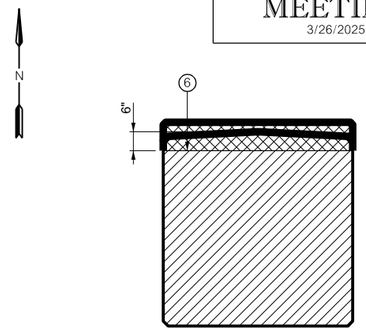
FINAL FIELD MEETING
3/26/2025



PLAN



ELEVATION
(LOOKING FORWARD STATION)



CONCRETE TREATMENT DETAILS

⑥ MASK SIDES AND ENDS OF PIER CAP AND ALONG THIS LINE TO PROVIDE A CLEAN STRAIGHT FINISH AT TOP AND BOTTOM OF ELASTOMERIC COATING APPLICATION. SEE "GENERAL NOTE" ON SHEET NO. AB01 FOR ELASTOMERIC COATING SPECIFICATIONS.

① 2-PH #4 (PEDESTALS B-5 & B-6)
1-PH #4 (PEDESTAL B-3 & B-4)

② 4-1½" ø ANCHOR BOLTS (TYP. AT EACH PEDESTAL)

③ KEYED CONST. JOINT 2'-0" SQ. X 1½" DEEP

④ KEYED CONST. JOINT 2'-6" SQ. X 3½" DEEP

⑤ C1 #9 & CS1 W20 (COLUMN NO. 1)
C2 #9 & CS2 W20 (COLUMN NO. 2)
C3 #9 & CS3 W20 (COLUMN NO. 3)

BEAM SEAT ELEVATIONS

PIER. NO.	B-1	B-2	B-3	B-4	B-5	B-6
1	1111.14	1111.36	1111.58	1111.80	1112.02	1112.24
2	1110.83	1111.05	1111.27	1111.49	1111.71	1111.93

TABLE OF VARIABLES

PIER NO.	COLUMN/ SHAFT NO.	COLUMN LENGTH	BOTTOM OF COLUMN ELEV.	TOP OF DRILLED SHAFT ELEV.	DRILLED SHAFT PAY LENGTH	BOTTOM OF DRILLED SHAFT ELEV.
1	1	6'-4½"	1099.40	1091.94	53'-0"	1038.94
	2	6'-9¾"	1098.96	1091.50	53'-0"	1038.50
	3	7'-3"	1098.52	1091.06	53'-0"	1038.06
2	1	6'-0¾"	1099.40	1091.94	78'-0"	1013.94
	2	6'-6"	1098.96	1091.50	78'-0"	1013.50
	3	6'-11¼"	1098.52	1091.06	78'-0"	1013.06

Preliminary Plans

BRIDGE "B" OVER I-35 SB OVER WATERLOO RD.
OKLAHOMA & LOGAN COUNTIES

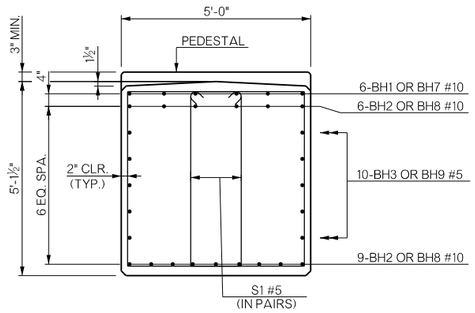
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DETAIL	SJL	1/25
CHECK	DPE	1/25

PIER DETAILS (SHEET 1 OF 3)

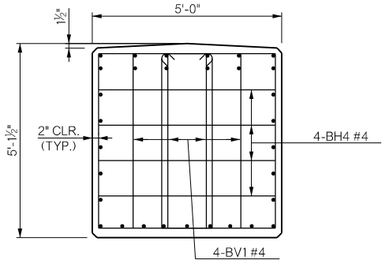
GARVER

STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION
JOB PIECE NO. 29843(04)
SHEET NO. B040

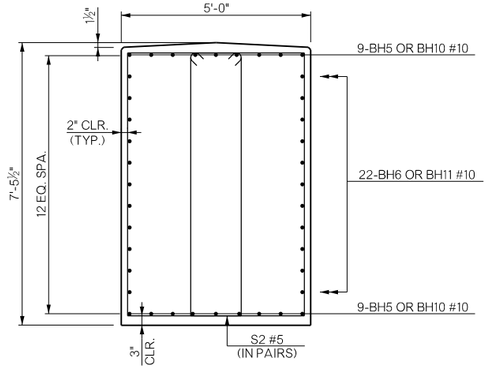
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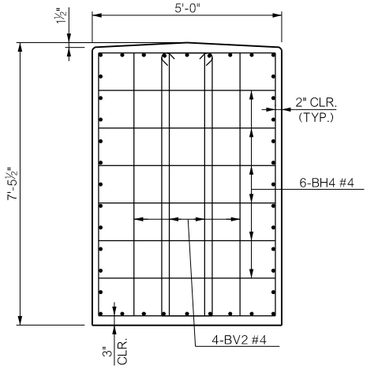
TYPICAL SECTION THRU CAP



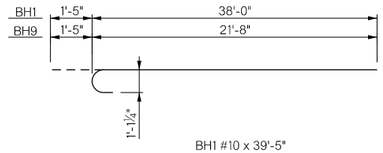
END OF PIER CAP REINFORCING



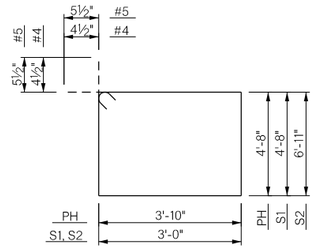
TYPICAL SECTION THRU CRASHWALL



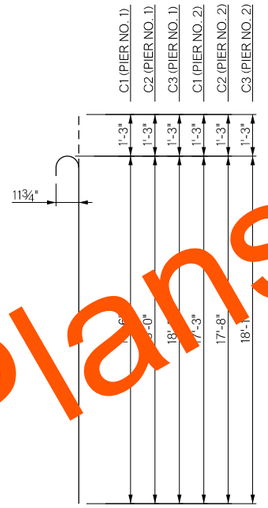
END OF CRASHWALL REINFORCING



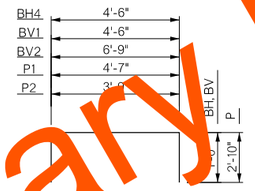
BH1 #10 x 39'-5"
BH7 #10 x 23'-1"



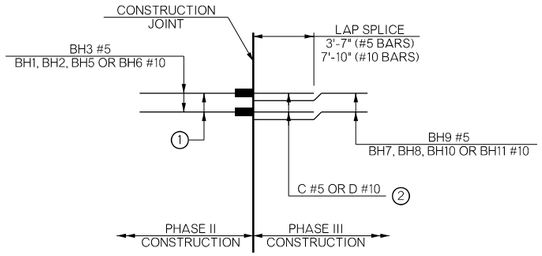
PH #4 x 17'-9"
S1 #5 x 16'-3"
S2 #5 x 20'-9"



PIER NO. 1:
C1 #9 x 18'-9"
C2 #9 x 19'-3"
C3 #9 x 19'-8"
PIER NO. 2:
C1 #9 x 18'-6"
C2 #9 x 18'-11"
C3 #9 x 19'-4"



BH #4 x 6'-6"
BV1 #4 x 6'-6"
BV2 #4 x 8'-9"
P1 #4 x 10'-3"
P2 #4 x 9'-5"



MECHANICAL SPLICE DETAIL

NOTES:
MECHANICAL COUPLERS SHALL ONLY BE USED IN PHASE II CONSTRUCTION.

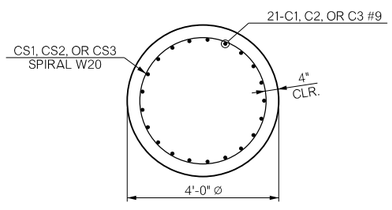
COST OF INSTALLING MECHANICAL SPLICES SHALL NOT BE PAID FOR DIRECTLY BUT SHALL BE INCLUDED IN THE PRICE BID PER EACH OF "MECHANICAL SPLICES".

① INSTALL MECHANICAL REINFORCING BAR COUPLER (EPOXY COATED) IN ACCORDANCE WITH SECTION 511.04.C.3. INSTALLATION SHALL FOLLOW THE MANUFACTURER'S RECOMMENDATIONS. COUPLERS SHALL BE ATTACHED TO:

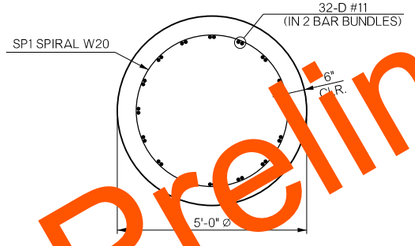
BH3 #5
BH1, BH2, BH5, OR BH6 #10

② SPLICE:
BH3 #5 WITH C #5
BH1, BH2, BH5, OR BH6 #10 WITH D #10

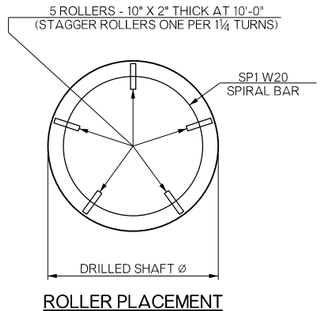
LAP:
C #5 WITH BH9 #5
D #10 WITH BH7, BH8, BH10, OR BH11 #10



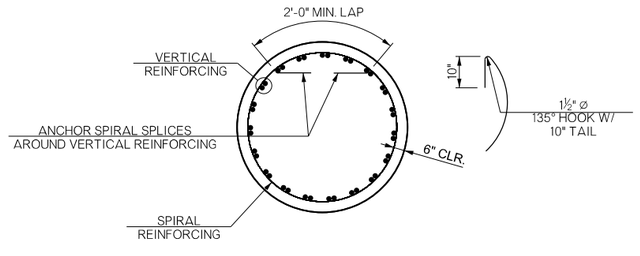
SECTION A-A



SECTION B-B

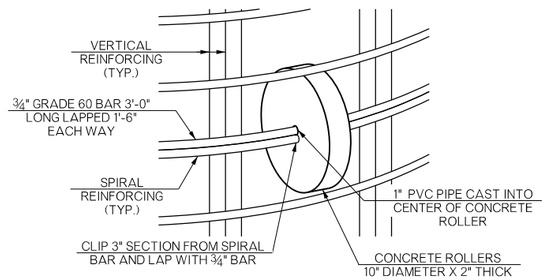


ROLLER PLACEMENT



DETAIL OF SPIRAL REINFORCING STEEL

NOTE:
SPIRAL BARS SHALL CONFORM TO AASHTO M32. SPIRAL BAR LENGTH DOES NOT INCLUDE LAP. IF LAP IS REQUIRED, THE LENGTH OF THE LAP SHALL BE AS SHOWN.



DETAILS OF CONCRETE ROLLER INSTALLATION

NOTE:
CONCRETE USED IN THE CONCRETE ROLLERS SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4,000 PSI. SLAB BOLSTERS, HIGH CHAIRS AND PLASTIC ROLLERS SHALL NOT BE SUBSTITUTED FOR THE CONCRETE ROLLERS.

Preliminary Plans

BRIDGE "B"
I-35 SB OVER WATERLOO RD.
OKLAHOMA & LOGAN COUNTIES

PIER DETAILS
(SHEET 2 OF 3)

DESIGN	DPE	8/20
DETAIL	SJL	12/20
CHECK	DPE	1/25

GARVER

STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION
JOB PIECE NO. 29843(04)
SHEET NO. B041

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FINAL FIELD MEETING
3/26/2025

SUMMARY OF QUANTITIES - PIER NO. 1				
ITEM	UNIT	PHASE II CONST.	PHASE III CONST.	TOTAL
CLASS A CONCRETE	CY	89.30	57.80	147.10
MECHANICAL SPLICES	EA	71.00	-	71.00
REINFORCING STEEL	LB	220.00	120.00	340.00
EPOXY COATED REINFORCING STEEL	LB	15,960.00	12,140.00	28,100.00
WATER REPELLENT (VISUALLY INSPECTED)	SY	130.00	82.00	212.00
DRILLED SHAFTS 60" DIAMETER	LF	106.00	53.00	159.00
ELASTOMERIC COATING	SF	281.00	184.00	465.00

SUMMARY OF QUANTITIES - PIER NO. 2				
ITEM	UNIT	PHASE II CONST.	PHASE III CONST.	TOTAL
CLASS A CONCRETE	CY	89.00	57.70	146.70
MECHANICAL SPLICES	EA	71.00	-	71.00
REINFORCING STEEL	LB	220.00	120.00	340.00
EPOXY COATED REINFORCING STEEL	LB	15,920.00	12,120.00	28,040.00
WATER REPELLENT (VISUALLY INSPECTED)	SY	130.00	82.00	212.00
DRILLED SHAFTS 60" DIAMETER	LF	156.00	78.00	234.00
ELASTOMERIC COATING	SF	281.00	184.00	465.00

BAR LIST - DRILLED SHAFTS ② ③ (PIER NO. 1)				
MARK	SIZE	NO.	FORM	LENGTH
EPOXY COATED REINFORCING STEEL				
D1	#11	32	STR.	59'-7"
REINFORCING STEEL				
SP1	W20	1	SPIRAL	1,358'-3"

BAR LIST - DRILLED SHAFTS ② ③ (PIER NO. 2)				
MARK	SIZE	NO.	FORM	LENGTH
EPOXY COATED REINFORCING STEEL				
④ D1	#11	32	STR.	92'-5"
REINFORCING STEEL				
SP1	W20	1	SPIRAL	1,987'-0"

② ONE SHOWN, THREE REQUIRED

③ INCLUDED IN THE PRICE BID PER LINEAR FOOT OF "DRILLED SHAFTS 60" DIAMETER".

④ INCLUDES ONE 7'-10" LAP LENGTH. LAP LOCATIONS SHALL BE STAGGERED.

BAR LIST - PIER NO. 1				
MARK	SIZE	NO.	FORM	LENGTH
PHASE II CONSTRUCTION				
EPOXY COATED REINFORCING STEEL				
BH1	#10	6	BENT	39'-1"
BH2	#10	15	STR.	38'-0"
BH3	#5	10	STR.	38'-0"
BH4	#4	10	BENT	6'-6"
BH5	#10	18	STR.	32'-11"
BH6	#10	22	STR.	32'-11"
BV1	#4	4	BENT	6'-6"
BV2	#4	4	BENT	8'-9"
C1	#9	21	BENT	18'-9"
C2	#9	21	BENT	19'-3"
P1	#4	20	BENT	10'-3"
P2	#4	24	BENT	9'-5"
PH	#4	2	BENT	17'-9"
S1	#5	126	BENT	16'-3"
S2	#5	54	BENT	20'-9"
REINFORCING STEEL				
CS1	W20	1	SPIRAL	147'-0"
CS2	W20	1	SPIRAL	166'-3"
PHASE III CONSTRUCTION				
EPOXY COATED REINFORCING STEEL				
BH4	#4	10	BENT	6'-6"
BH7	#10	6	BENT	23'-1"
BH8	#10	15	STR.	21'-8"
BH9	#5	10	STR.	21'-8"
BH10	#10	18	STR.	22'-10"
BH11	#10	22	STR.	22'-10"
BV1	#4	4	BENT	6'-6"
BV2	#4	4	BENT	8'-9"
① C3	#9	21	BENT	19'-8"
① C	#5	10	STR.	3'-9"
D	#10	61	STR.	8'-0"
P1	#4	10	BENT	10'-3"
P2	#4	12	BENT	9'-5"
PH	#4	4	BENT	17'-9"
S1	#5	76	BENT	16'-3"
S2	#5	40	BENT	20'-9"
REINFORCING STEEL				
CS3	W20	1	SPIRAL	175'-8"

① BAR LENGTH DOES NOT INCLUDE LENGTH OF BAR INSERTED INTO COUPLER. CONTRACTOR SHALL ADJUST THE LENGTH AS NEEDED TO ACHIEVE MANUFACTURER'S RECCOMENDED INSERT LENGTH. COST OF ADDITIONAL BAR TO BE INCLUDED IN THE PRICE BID PER EACH "MECHANICAL SPLICES".

BAR LIST - PIER NO. 2				
MARK	SIZE	NO.	FORM	LENGTH
PHASE II CONSTRUCTION				
EPOXY COATED REINFORCING STEEL				
BH1	#10	6	BENT	39'-1"
BH2	#10	15	STR.	38'-0"
BH3	#5	10	STR.	38'-0"
BH4	#4	10	BENT	6'-6"
BH5	#10	18	STR.	32'-11"
BH6	#10	22	STR.	32'-11"
BV1	#4	4	BENT	6'-6"
BV2	#4	4	BENT	8'-9"
C1	#9	21	BENT	18'-6"
C2	#9	21	BENT	18'-11"
P1	#4	20	BENT	10'-3"
P2	#4	24	BENT	9'-5"
PH	#4	2	BENT	17'-9"
S1	#5	126	BENT	16'-3"
S2	#5	54	BENT	20'-9"
REINFORCING STEEL				
CS1	W20	1	SPIRAL	150'-6"
CS2	W20	1	SPIRAL	159'-11"
PHASE III CONSTRUCTION				
EPOXY COATED REINFORCING STEEL				
BH4	#4	10	BENT	6'-6"
BH7	#10	6	BENT	23'-1"
BH8	#10	15	STR.	21'-8"
BH9	#5	10	STR.	21'-8"
BH10	#10	18	STR.	22'-10"
BH11	#10	22	STR.	22'-10"
BV1	#4	4	BENT	6'-6"
BV2	#4	4	BENT	8'-9"
① C3	#9	21	BENT	19'-4"
① C	#5	10	STR.	3'-9"
D	#10	61	STR.	8'-0"
P1	#4	10	BENT	10'-3"
P2	#4	12	BENT	9'-5"
PH	#4	4	BENT	17'-9"
S1	#5	76	BENT	16'-3"
S2	#5	40	BENT	20'-9"
REINFORCING STEEL				
CS3	W20	1	SPIRAL	169'-2"

Preliminary Plans

BRIDGE "B" OVER I-35 SB WATERLOO RD.
OKLAHOMA & LOGAN COUNTIES

PIER DETAILS
(SHEET 3 OF 3)

DESIGN	DPE	8/20
DETAIL	SJL	12/20
CHECK	DPE	1/25

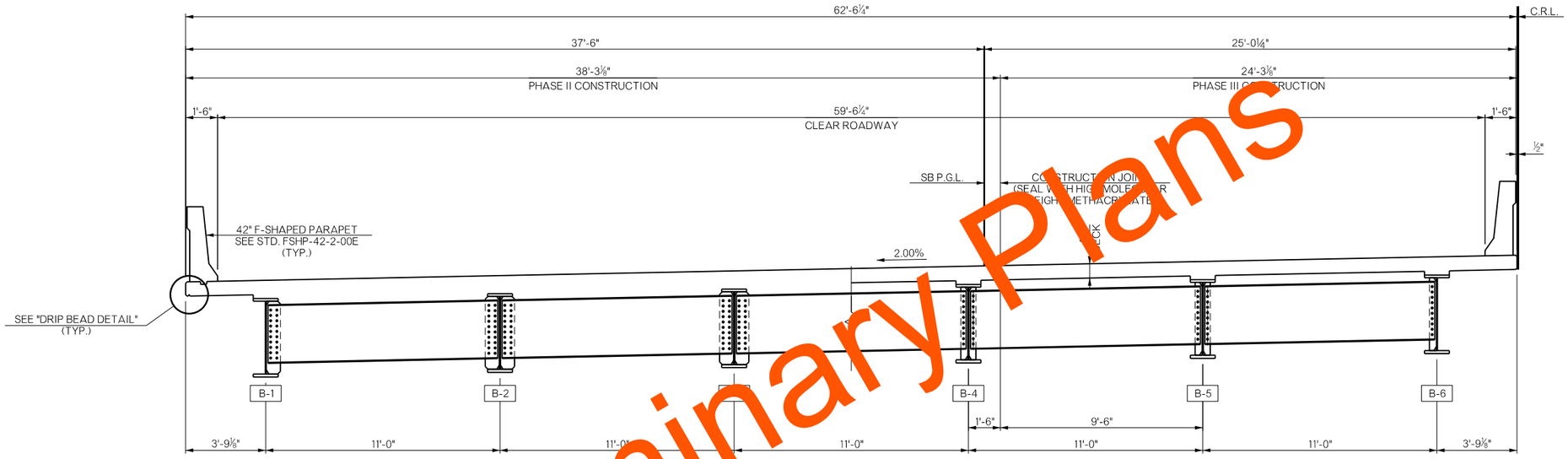
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STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION
JOB PIECE NO. 29843(04)
SHEET NO. B042

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

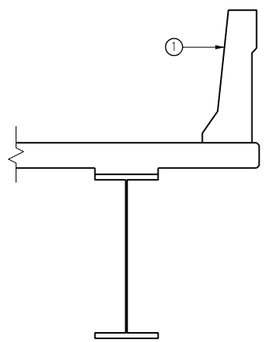
FINAL FIELD MEETING
3/26/2025



HALF SECTION AT END DIAPHRAGM

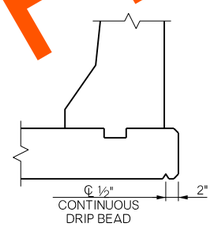
HALF SECTION AT INTERMEDIATE DIAPHRAGM

TYPICAL SECTION
(LOOKING FORWARD STATION)

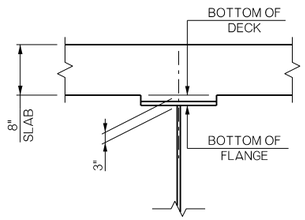


CONCRETE TREATMENT DETAIL

(1) APPLY WATER REPELLENT TREATMENT TO THE ROADWAY FACE AND TOP OF PARAPETS.



DRIP BEAD DETAIL



BEAM HAUNCH DETAIL

NOTE:
PLAN QUANTITIES FOR CLASS AA CONCRETE INCLUDE GIRDER HAUNCHES. THE HAUNCH HEIGHT SHOWN IS THE THEORETICAL HAUNCH HEIGHT AT THE CENTERLINE BEARING ONLY, MEASURED FROM BOTTOM OF DECK SLAB TO BOTTOM OF TOP FLANGE, AND VARIES ACROSS THE SPAN. DETERMINE THE ACTUAL HAUNCH HEIGHT (ACCOUNTING FOR DEAD LOAD DEFLECTION AND ROADWAY GRADE) AFTER ERECTION OF THE BEAMS AND SUBMIT TO THE ENGINEER FOR APPROVAL. THE ENGINEER WILL NOT MEASURE DIFFERENCES BETWEEN THE THEORETICAL AND THE ACTUAL HAUNCH HEIGHTS FOR PAYMENT. THERE IS AN ESTIMATED 7.80 C.Y. OF CONCRETE IN THE HAUNCHES.

SUMMARY OF QUANTITIES - SUPERSTRUCTURE

ITEM	UNIT	PHASE II CONST.	PHASE III CONST.	TOTAL
SAW-CUT GROOVING	SY	843.50	522.30	1,365.80
42" F-SHAPED PARAPET	LF	206.70	206.70	413.40
STRUCTURAL STEEL M270 GRADE 50W	LB	195,200.00	102,300.00	297,500.00
STAINLESS STEEL FIXED BEARING ASSEMBLY	EA	8.00	4.00	12.00
STAINLESS STEEL EXP. BEARING ASSEMBLY	EA	16.00	8.00	24.00
CLASS AA CONCRETE	CY	205.00	129.30	334.30
MECHANICAL SPLICES	EA	842.00	-	842.00
EPOXY COATED REINFORCING STEEL	LB	63,980.00	46,140.00	110,120.00
WATER REPELLENT (VISUALLY INSPECTED)	SY	101.00	101.00	202.00
SEALED EXPANSION JOINTS	LF	37.27	23.27	60.54
SEALER CRACK PREPARATION	LF	37.00	230.00	267.00
SEALER RESIN	GAL	0.30	1.90	2.20

Preliminary Plans

BRIDGE "B"
I-35 SB OVER WATERLOO RD.
OKLAHOMA & LOGAN COUNTIES

TYPICAL SECTION

DESIGN	DPE	5/18
DETAIL	SJL	1/20
CHECK	DPE	1/25

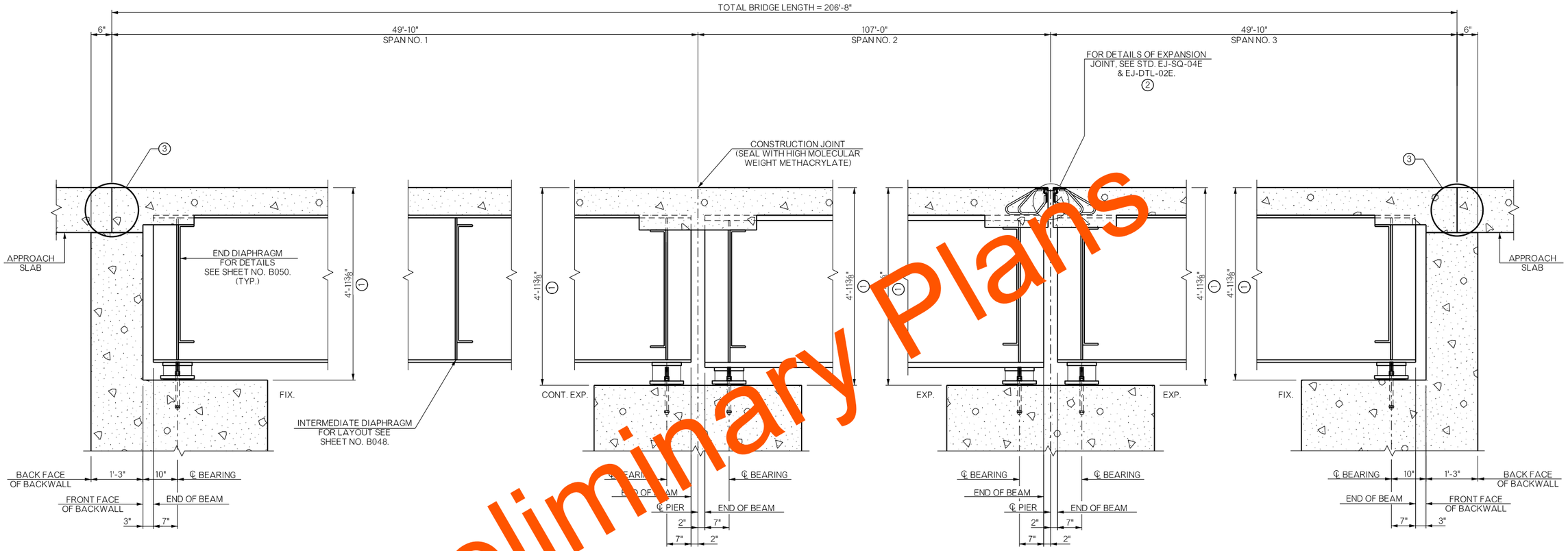
GARVER

STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION
JOB PIECE NO. 29843(04)
SHEET NO. B043

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/26/2025



Preliminary Plans

LONGITUDINAL SECTION

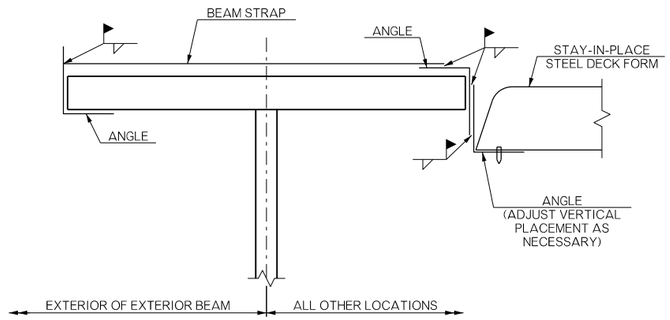
1. DIMENSION IS FROM TOP OF DECK SLAB TO BOTTOM OF BEARING ASSEMBLY AT ℄ BEARING.
2. SEE EXPANSION JOINT OPENING EQUATION ON SHEET NO. B046.
3. SEE "SAWED AND SEALED JOINT" DETAIL ON SHEET NO. B055.

DECK SLAB NOTES:

EPOXY-COAT OR GALVANIZE STEEL ITEMS USED TO FACILITATE CONSTRUCTION, SUCH AS DECK FORM HANGERS, TY-BAR CLIPS, INSERT WELD ANCHORS, OR OTHER APPURTENANCES THAT WILL REMAIN IN PLACE IN THE DECK SLAB. EPOXY-COAT IN ACCORDANCE WITH AASHTO M284 OR GALVANIZE IN ACCORDANCE WITH AASHTO M111.

IN THE EVENT OF AN EMERGENCY, HALT THE PLACEMENT OF CONCRETE BY FORMING A CONSTRUCTION JOINT MADE PERPENDICULAR TO THE DIRECTION OF TRAFFIC OR AS DIRECTED BY THE ENGINEER. DO NOT PLACE ANY HEAVY EQUIPMENT ON THE FINISHED DECK SLAB WITHIN 5' OF ANY CONSTRUCTION JOINT UNTIL CONCRETE IS IN PLACE ON BOTH SIDES OF THE RESPECTIVE JOINT AND AT LEAST 48 HOURS HAS ELAPSED SINCE CONCRETE PLACEMENT.

SEAL ALL DECK SLAB CONSTRUCTION JOINTS WITH HIGH MOLECULAR WEIGHT METHACRYLATE IN ACCORDANCE WITH SECTION 523 OF THE SPECIFICATIONS. INCLUDE ALL COST OF EQUIPMENT AND LABOR FOR THE INSTALLATION OF THE HIGH MOLECULAR WEIGHT METHACRYLATE SEALER IN THE CONTRACT UNIT PRICE OF "SEALER CRACK PREPARATION". INCLUDE ALL COST OF THE HIGH MOLECULAR WEIGHT METHACRYLATE SEALER IN THE CONTRACT UNIT PRICE OF "SEALER RESIN". THE DEPARTMENT WILL NOT MEASURE THE PREPARATION AND SEALER OF EMERGENCY CONSTRUCTION JOINTS FOR PAYMENT.



STAY-IN-PLACE STEEL DECK FORM FLANGE CONNECTION DETAIL

NOTE:
DO NOT WELD TO THE TOP FLANGE OR STUDS. REPORT ANY ARC STRIKE, WELD SPLATTER OR WELDING ON TOP FLANGE TO THE BRIDGE ENGINEER IMMEDIATELY.

BRIDGE "B" I-35 SB OVER WATERLOO RD.	OKLAHOMA & LOGAN COUNTIES	DESIGN	DPE	4/24
		DETAIL	CDB	4/24
LONGITUDINAL SECTION		CHECK	DPE	1/25
		GARVER		
STATE OF OKLAHOMA	DEPARTMENT OF TRANSPORTATION			
	JOB PIECE NO. 29843(04)	SHEET NO. B044		

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/26/2025



Preliminary Plans

BAR LIST - SUPERSTRUCTURE					
	MARK	SIZE	NO.	FORM	LENGTH
	EPOXY COATED REINFORCING STEEL				
①	A1	#6	414	BENT	38'-9"
	AC	#4	414	BENT	10'-0"
	AH1	#4	16	BENT	3'-1"
	AH2	#4	68	BENT	4'-2"
	AS	#4	78	BENT	5'-0"
	AT1	#4	4	STR.	38'-1"
	AT2	#4	6	STR.	9'-8"
	AT3	#4	2	STR.	0'-10"
	B1	#5	414	STR.	38'-1"
	EB1	#6	39	STR.	163'-7"
	EB2	#6	39	STR.	49'-5"
	EPH	#4	76	BENT	3'-9"
	EPT1	#4	4	STR.	2'-10"
	EPT2	#4	12	STR.	9'-6"
	EPT3	#4	4	STR.	0'-9"
②	ET1	#4	39	STR.	160'-5"
	ET2	#4	39	STR.	49'-5"
	FPH	#4	34	BENT	4'-4"
	FPT1	#4	12	STR.	9'-6"
	FPT2	#4	4	STR.	0'-9"
	FS2	#5	209	BENT	7'-4"

PHASE II CONSTRUCTION

BAR LIST - SUPERSTRUCTURE					
	MARK	SIZE	NO.	FORM	LENGTH
	EPOXY COATED REINFORCING STEEL				
	A2	#6	414	BENT	24'-7"
	AC	#4	414	BENT	10'-0"
	AH1	#4	12	BENT	3'-1"
	AH2	#4	42	BENT	4'-2"
	AS	#4	50	BENT	5'-0"
	AT2	#4	2	STR.	9'-8"
	AT4	#4	4	STR.	23'-1"
	AT5	#4	[illegible]	STR.	8'-[illegible]
	B2	#5	414	STR.	23'-11"
③	C	#4	14	STR.	2'-2"
③	D	#5	[illegible]	STR.	9'-8"
③	E	#6	[illegible]	STR.	3'-9"
①	EB1	#6	[illegible]	STR.	163'-7"
	EB2	#6	25	STR.	49'-5"
	EPH	#4	50	BENT	3'-9"
	EPT1	#4	4	STR.	2'-10"
	EPT2	#4	4	STR.	9'-6"
	EPT4	#4	4	STR.	8'-7"
②	ET1	#4	25	STR.	160'-5"
	ET2	#4	25	STR.	49'-5"
	FPH	#4	21	BENT	4'-4"
	FPT1	#4	4	STR.	9'-6"
	FPT3	#4	4	STR.	8'-7"
	FS2	#5	209	BENT	7'-4"

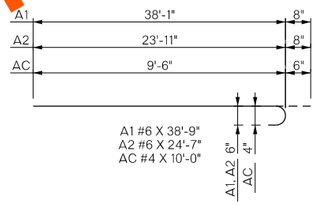
PHASE III CONSTRUCTION

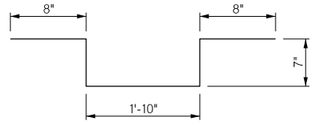
① INCLUDES TWO 3'-7" LAP LENGTH

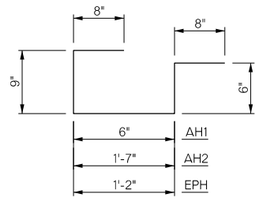
② INCLUDES TWO 2'-0" LAP LENGTH

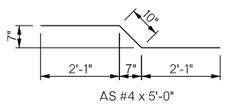
③ BAR LENGTH DOES NOT INCLUDE LENGTH OF BAR INSERTED INTO COUPLER. CONTRACTOR SHALL ADJUST THE LENGTH AS NEEDED TO ACHIEVE MANUFACTURER'S RECCOMENDED INSERT LENGTH. COST OF ADDITIONAL BAR TO BE INCLUDED IN THE PRICE BID PER EACH "MECHANICAL SPLICES".

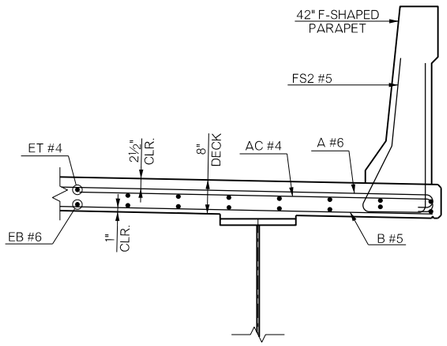
④ FOR ADDITIONAL INFORMATION ABOUT FSHP REINFORCING, SEE STD. FSHP-42-2-00E AND SHEET NO. B047.











SECTION A-A

BRIDGE "B"
I-35 SB OVER WATERLOO RD.

OKLAHOMA & LOGAN COUNTIES

DECK LAYOUT

DESIGN	CDB	4/24
DETAIL	CDB	4/24
CHECK	DPE	1/25

GARVER

STATE OF OKLAHOMA

DEPARTMENT OF TRANSPORTATION

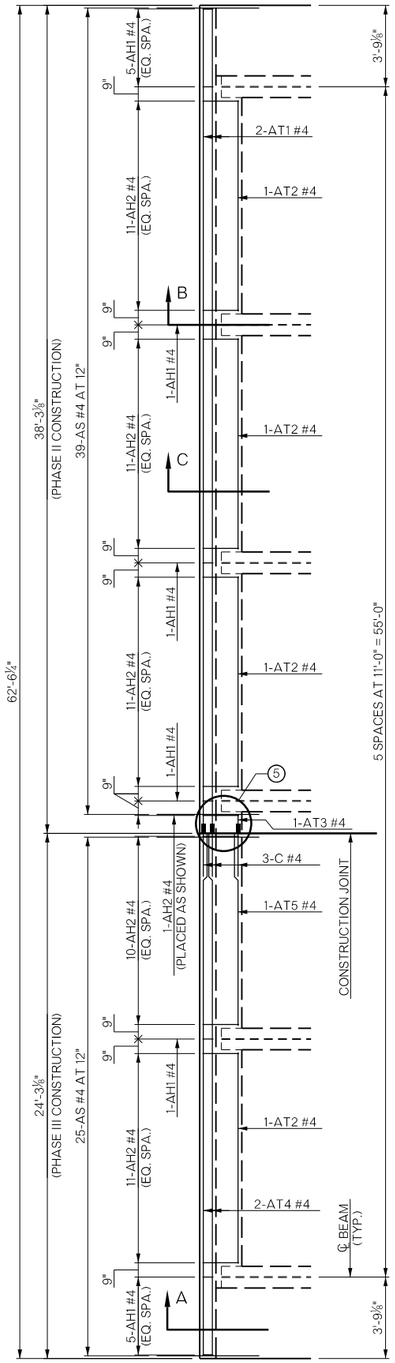
JOB PIECE NO. 29843(04) SHEET NO. B045

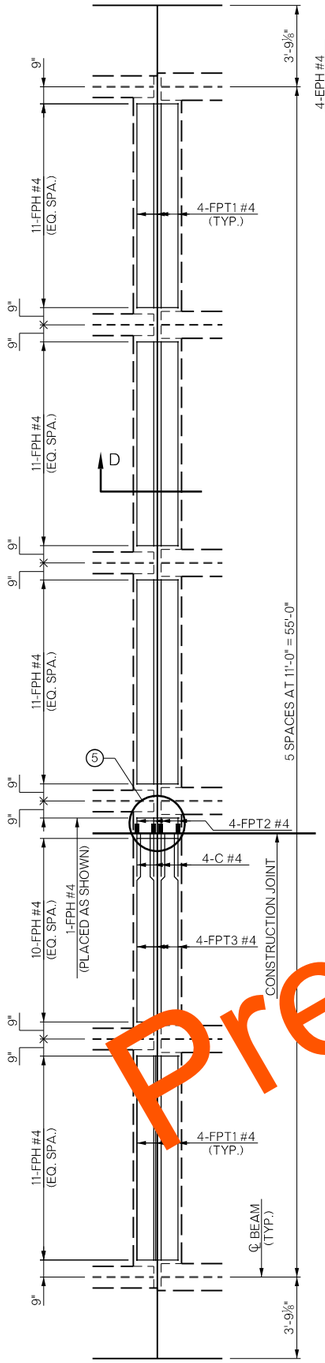
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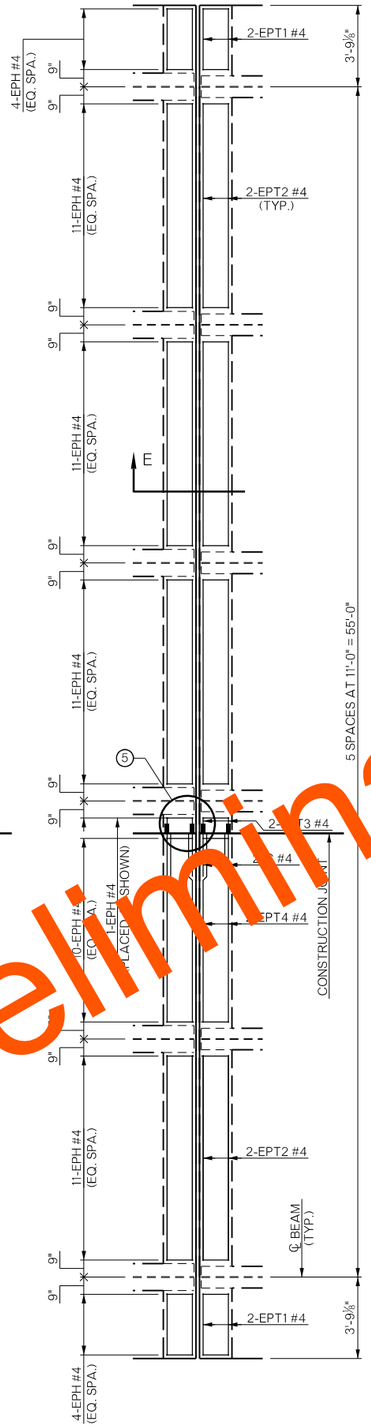
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/26/2025







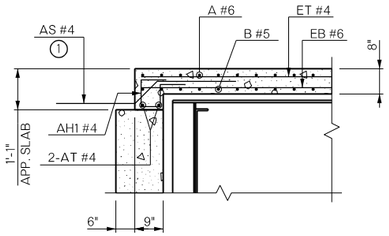
5 SEE "MECHANICAL SPLICE DETAIL".

ABUTMENT NO. 1
(ABUTMENT NO. 1 SHOWN, ABUTMENT NO. 2 SIMILAR BUT OPPOSITE HAND)

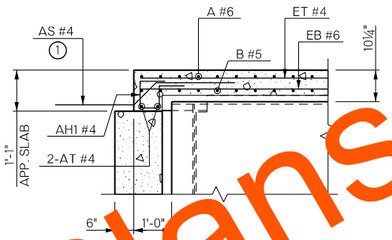
PIER NO. 1

PIER NO. 2
(NUMBER AND MARK OF BARS IS TYPICAL EACH SIDE OF JOINT)

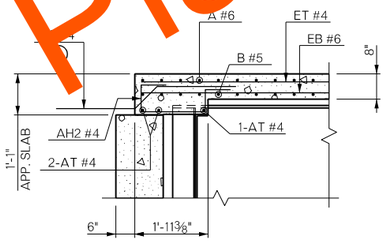
PLAN
(SHOW ADDITIONAL REINFORCING AT TURNDOWNS)



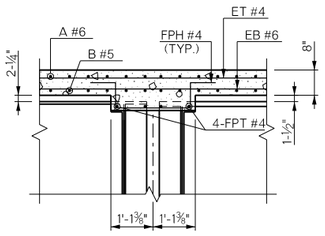
SECTION A



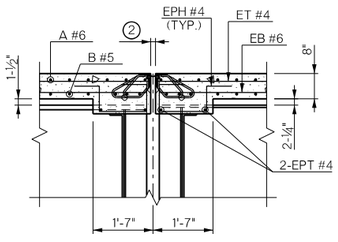
SECTION B



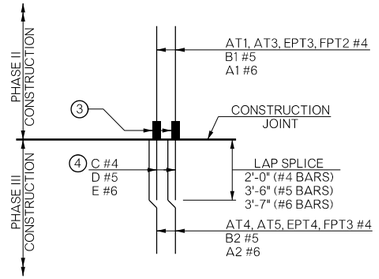
SECTION C



SECTION D



SECTION E



MECHANICAL SPLICE DETAIL

NOTES:
MECHANICAL COUPLERS SHALL ONLY BE USED IN PHASE II CONSTRUCTION.

COST OF INSTALLING MECHANICAL SPLICES SHALL NOT BE PAID FOR DIRECTLY BUT SHALL BE INCLUDED IN THE PRICE BID PER EACH OF "MECHANICAL SPLICES".

(3) INSTALL MECHANICAL REINFORCING BAR COUPLER (EPOXY COATED) IN ACCORDANCE WITH SECTION 511.04.C.3. INSTALLATION SHALL FOLLOW THE MANUFACTURER'S RECOMMENDATIONS. COUPLERS SHALL BE ATTACHED TO:

AT1, AT3, EPT3, FPT2 #4
B1 #5
A1 #6

(4) SPLICE:
AT1, AT3, EPT3, FPT2 #4 WITH C #4.
B1 #5 WITH D #5
A1 #6 WITH E #6

LAP:
C #4 WITH AT4, AT5, EPT4, FPT3 #4
D #5 WITH B2 #5
E #6 WITH A2 #6

(1) TIE TO TOP REINFORCING OF DECK SLAB AND EXTEND MID-DEPTH OF APPROACH SLAB (PLACE BOTTOM LEG OF AS #4 THROUGH JOINT).

(2) THE EXPANSION JOINT OPENING SHALL BE SET AT THE TIME THE DECK SLAB CONCRETE IS POURED. THE WIDTH OF THE OPENING, CALCULATED IN INCHES, SHALL BE AS FOLLOWS:

AT PIER NO. 2 = 2.9672 - (0.01612 x T)

WHERE "T" EQUALS THE AMBIENT AIR TEMPERATURE IN DEGREES FAHRENHEIT AT THE TIME THE DECK SLAB CONCRETE IS POURED. SEE SECTION 509.04.B.1 OF THE STANDARD SPECIFICATIONS FOR TEMPERATURE LIMITATIONS.

THE EXPANSION JOINT OPENING SHALL BE MEASURED PERPENDICULAR TO THE JOINT.

Preliminary Plans

BRIDGE "B" OVER
I-35 SB OVER WATERLOO RD.

OKLAHOMA & LOGAN COUNTIES

DESIGN	CDB	4/24
DETAIL	SJL	4/24
CHECK	DPE	1/25

DECK TURNDOWN DETAILS

GARVER

STATE OF OKLAHOMA

DEPARTMENT OF TRANSPORTATION

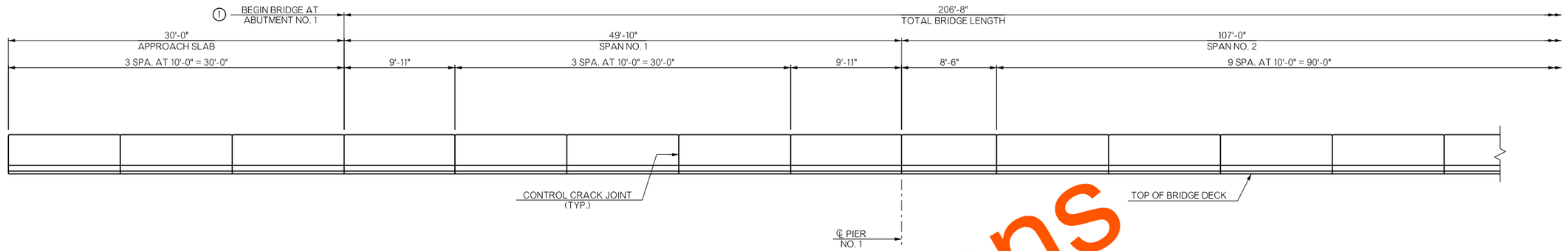
JOB PIECE NO. 29843(04)

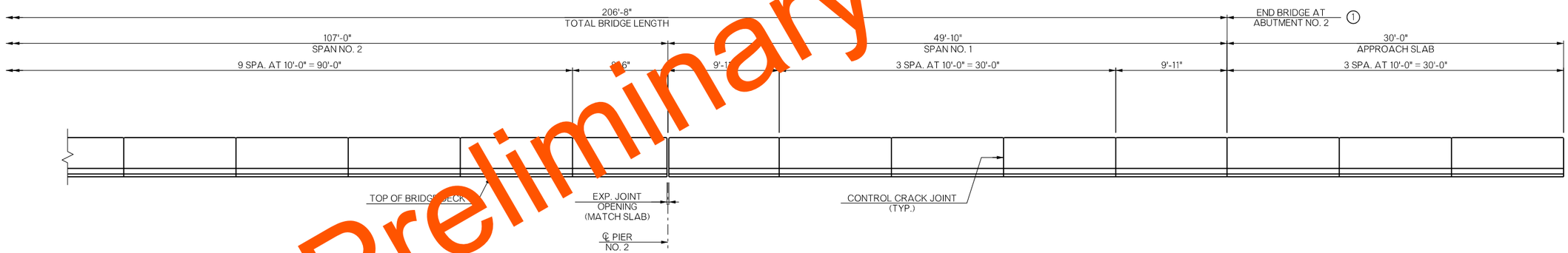
SHEET NO. B046

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/26/2025





Preliminary Plans

42" F-SHAPED PARAPET (WITHOUT OPENINGS)

(LOOKING AT INSIDE FACE OF WEST PARAPET; EAST PARAPET SIMILAR BUT OPPOSITE HAND)

① CONSTRUCTION JOINT. HORIZONTAL REINFORCING SHALL END 2" EITHER SIDE OF JOINT.

NOTES:
FOR DETAILS SHOWING THE REINFORCEMENT LAYOUT AND BAR BEND DETAILS, SEE STD. FSHP-42-2-00E.

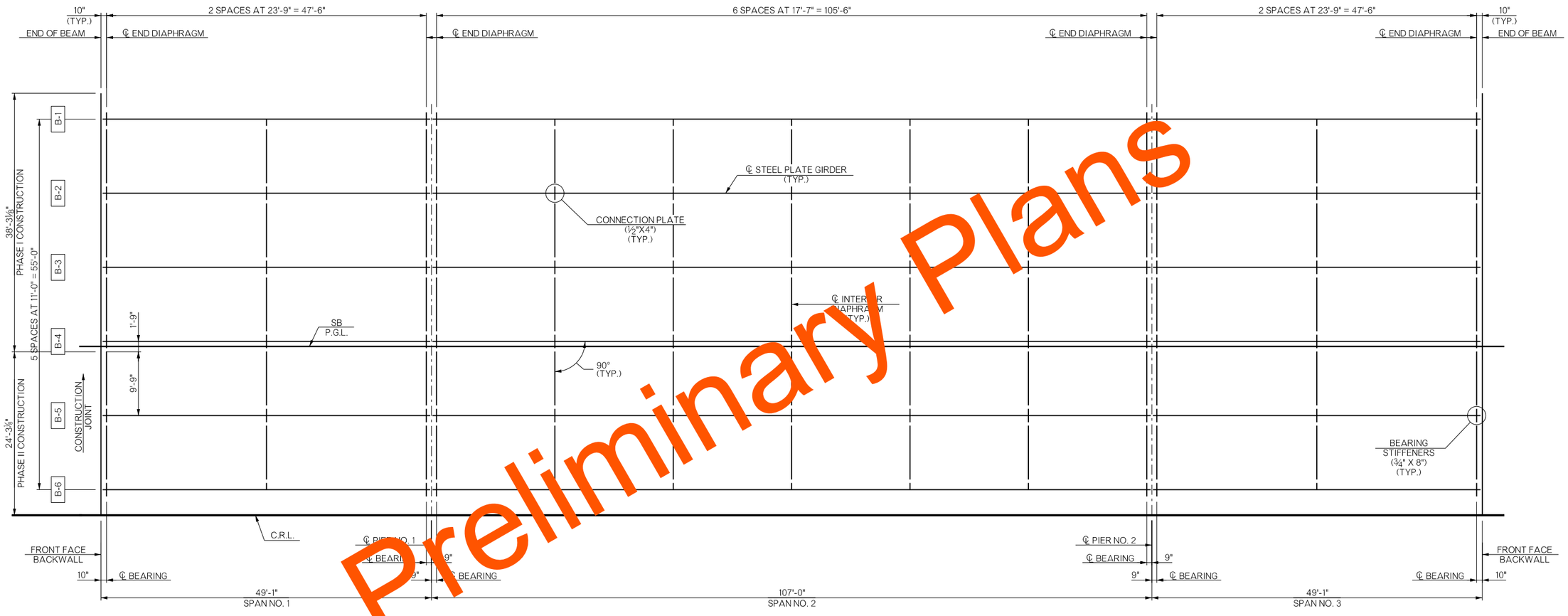
PROVIDE BLOCKOUTS FOR SEALED EXPANSION JOINTS

BRIDGE "B" I-35 SB OVER WATERLOO RD.	OKLAHOMA & LOGAN COUNTIES	DESIGN	DPE	8/20
		DETAIL	SJL	10/20
PARAPET LAYOUT		CHECK	DPE	1/25
		GARVER		
STATE OF OKLAHOMA	DEPARTMENT OF TRANSPORTATION			
	JOB PIECE NO. 29843(04)	SHEET NO. B047		

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/26/2025



Preliminary Plans

FRAMING PLAN

NOTES:
FOR BEAM AND BENT PLATE DIAPHRAGM DETAILS
SEE SHEET NOS. B049 & B050 .

BRIDGE "B" I-35 SB OVER WATERLOO RD.	OKLAHOMA & LOGAN COUNTIES	DESIGN	DPE 8/20
		DETAIL	SJL 4/24
FRAMING PLAN		CHECK	DPE 1/25
		GARVER	
STATE OF OKLAHOMA	DEPARTMENT OF TRANSPORTATION		
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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/26/2025

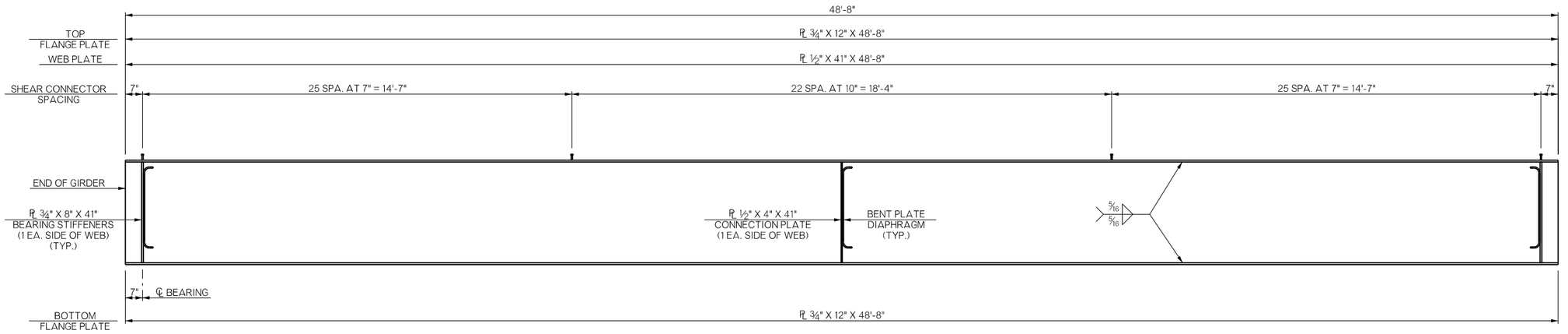
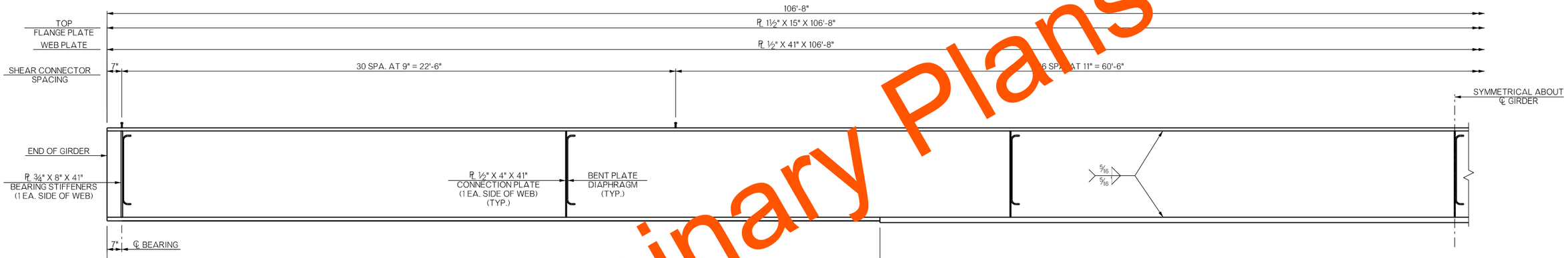
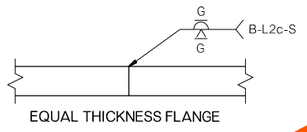


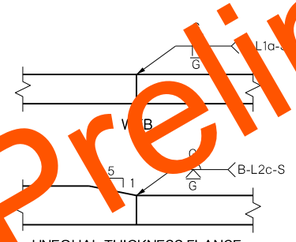
PLATE GIRDER ELEVATION
(SPAN NOS. 1 & 3)





EQUAL THICKNESS FLANGE

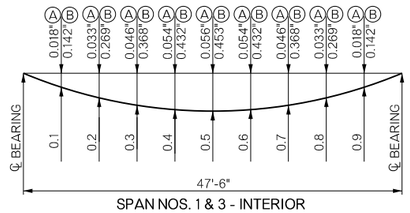
NOTE:
DO NOT PLACE WEB WELDED SPLICE WITHIN 6" OF A FLANGE WELDED SPLICE.



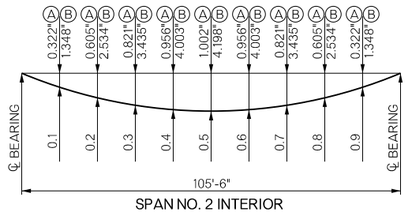
UNEQUAL THICKNESS FLANGE

DETAILS OF SHOP WELDED SPLICES

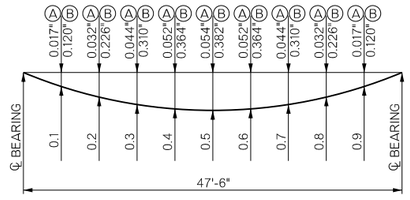
PLATE GIRDER ELEVATION
(SPAN NO. 2)



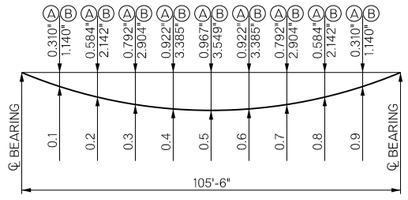
SPAN NOS. 1 & 3 - INTERIOR



SPAN NO. 2 INTERIOR



SPAN NOS. 1 & 3 - EXTERIOR

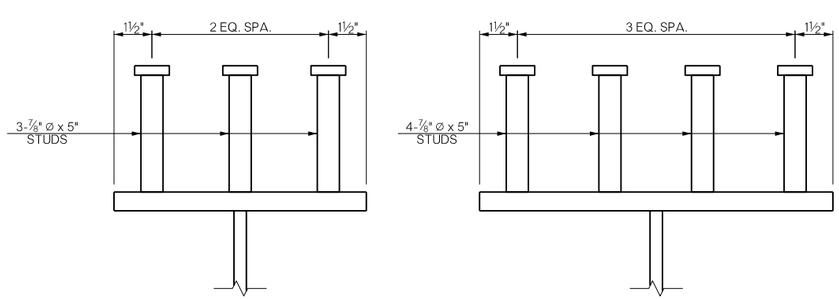


SPAN NO. 2 - EXTERIOR

LRFD OPERATING RATINGS:
SPAN NOS. 1 & 3 - 2.76 (HL-93)
SPAN NO. 2 - 1.62 (HL-93)

DEAD LOAD DEFLECTION DIAGRAM

Ⓐ GIRDER AND CROSS-FRAMES
Ⓑ DECK, HAUNCH, 5 PSF S.I.P. STEEL DECK FORM ALLOWANCE, PARAPETS AND FENCING



SHEAR CONNECTOR DETAIL
(SPAN NOS. 1 & 3)

SHEAR CONNECTOR DETAIL
(SPAN NO. 2)

Preliminary Plans

BRIDGE "B"
I-35 SB OVER WATERLOO RD.
OKLAHOMA & LOGAN COUNTIES

BEAM DETAILS
(SHEET 1 OF 2)

DESIGN	JWM	4/24
DETAIL	SJL	1/25
CHECK	DPE	1/25

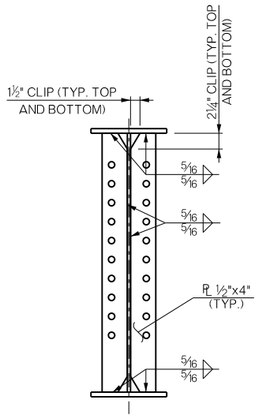
GARVER

STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION
JOB PIECE NO. 29843(04)
SHEET NO. B049

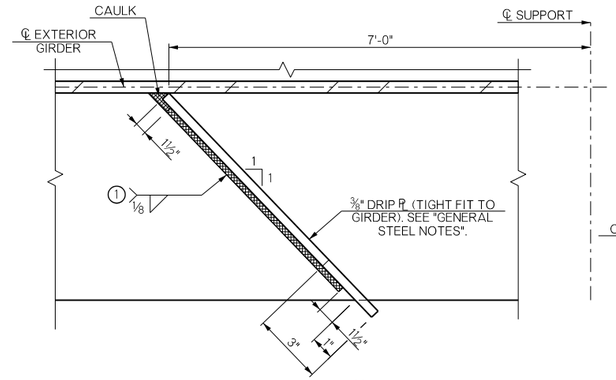
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OKLAHOMA DEPARTMENT OF TRANSPORTATION

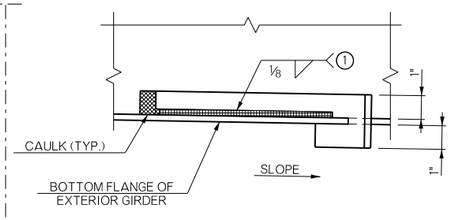
FINAL FIELD MEETING
3/26/2025



CONNECTION PLATE DETAIL



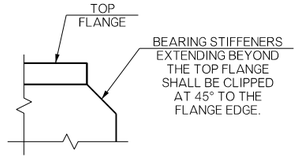
PLAN



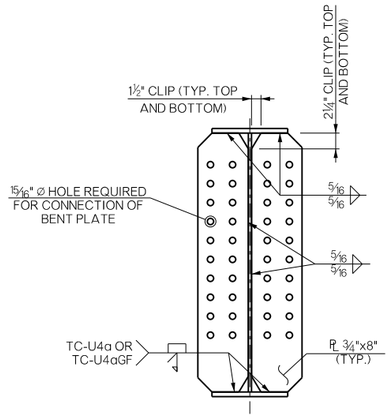
ELEVATION

① STOP WELD ½" FROM END OF DRIP PLATE AND FROM EDGE OF GIRDER. FILL WITH CAULK AS SHOWN.

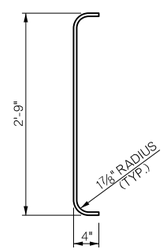
TYPICAL EXTERIOR GIRDER DRIP PLATE DETAILS



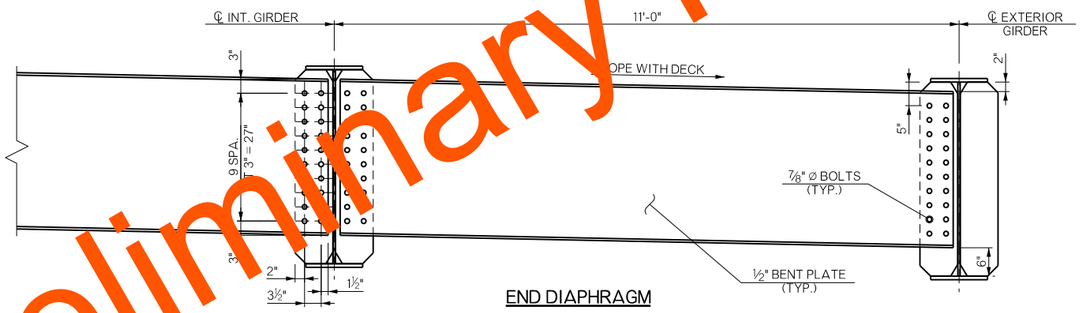
CORNER CLIP DETAIL



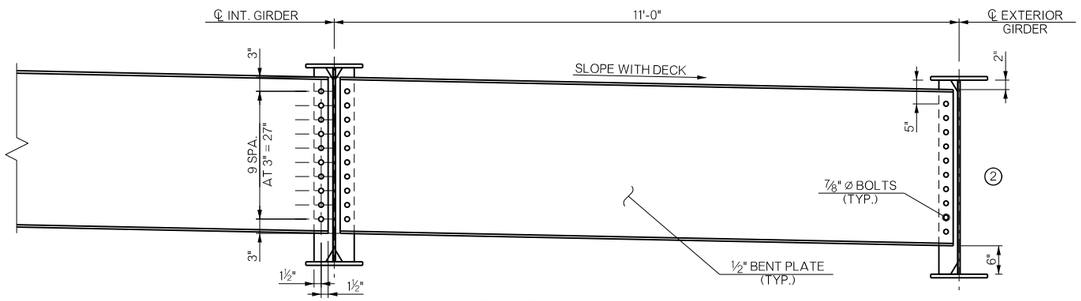
BEARING STIFFENER DETAIL



TYPICAL BENT PLATE DETAIL



END DIAPHRAGM



INTERMEDIATE DIAPHRAGM

② OMIT OUTSIDE CONNECTION PLATE AT EXTERIOR GIRDER

GENERAL STEEL NOTES:

DRIP PLATES SHALL BE PLACED ON THE OUTSIDE OF THE EXTERIOR GIRDERS ON THE UPGRADE SIDE OF EACH ABUTMENT AND PIER LOCATION. ALL COST OF THE DRIP PLATE, WELD, CAULK AND LABOR NEEDED FOR INSTALLATION SHALL BE INCLUDED IN THE UNIT PRICE PER LB. OF "STRUCTURAL STEEL M270 GRADE 50W".

PROVIDE STRUCTURAL STEEL FOR PLATE GIRDERS AND BEARING STIFFENER PLATES IN ACCORDANCE WITH AASHTO M270 (ASTM A709), GRADE 50WT2 (WEATHERING STEEL, NON-FRACTURE CRITICAL CHARPY V-NOTCH TESTED FOR ZONE 2). PROVIDE WELDING WITH WEATHERING CHARACTERISTICS.

PROVIDE STRUCTURAL STEEL FOR BENT PLATE DIAPHRAGMS AND DIAPHRAGM CONNECTION PLATES IN ACCORDANCE WITH AASHTO M270(ASTM A709), GRADE 50W (WEATHERING STEEL, CHARPY V-NOTCH TESTING NOT REQUIRED). USE BOLTS CONFORMING TO AASHTO M164 (ASTM A325). PROVIDE ALL BOLTS NUTS, WASHERS, AND WELDING WITH WEATHERING STEEL CHARACTERISTICS.

FABRICATION AND ERECTION SHALL BE IN ACCORDANCE WITH SECTION 506 OF THE STANDARD SPECIFICATIONS.

ALL SHOP AND FIELD WELDING SHALL BE ARC WELDING AND SHALL BE DONE IN ACCORDANCE WITH THE CURRENT ANSI/AWS D1.5, BRIDGE WELDING CODE. FIELD WELDERS SHALL BE PRE-QUALIFIED BY THE OKLAHOMA DEPARTMENT OF TRANSPORTATION.

TERMINATE FILLET WELDS ⅜" FROM THE EDGE OF CLIPPED CORNERS OF ALL STIFFENER PLATES AND NON-CLIPPED CORNERS OF ALL INTERMEDIATE DIAPHRAGM CONNECTION PLATES.

HIGH STRENGTH BOLTED CONNECTIONS SHALL CONFORM TO PROVISIONS OF SECTION 506.04(f)6 OF THE STANDARD SPECIFICATIONS.

ALL DIMENSION SHOWN ARE HORIZONTAL AND ARE MEASURED ALONG ℄ GIRDER AT 60°F. CONTRACTOR SHALL ADJUST DIMENSIONS TO ACCOUNT FOR VERTICAL CURVE, DEAD LOAD DEFLECTIONS, AND TEMPERATURE.

ALL BOLT HOLES SHALL BE 15/16" Ø.

Preliminary Plans

BRIDGE "B"
I-35 SB OVER WATERLOO RD.

OKLAHOMA & LOGAN COUNTIES

DESIGN	JWM	4/24
DETAIL	SJL	1/25
CHECK	DPE	1/25

GARVER

BEAM DETAILS (SHEET 2 OF 2)

STATE OF OKLAHOMA

DEPARTMENT OF TRANSPORTATION

JOB PIECE NO. 29843(04)

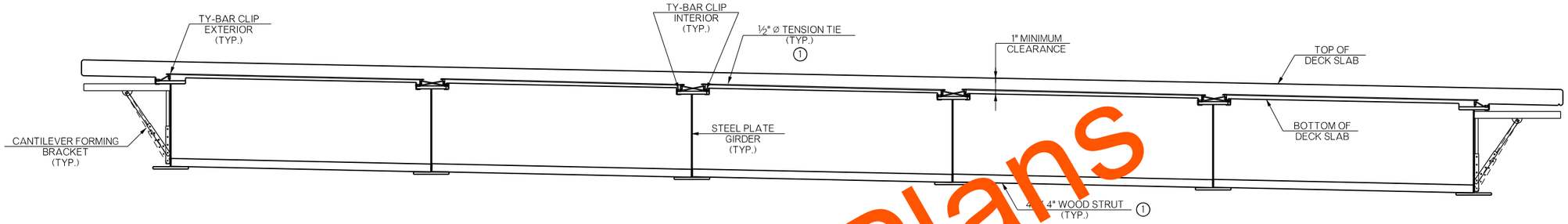
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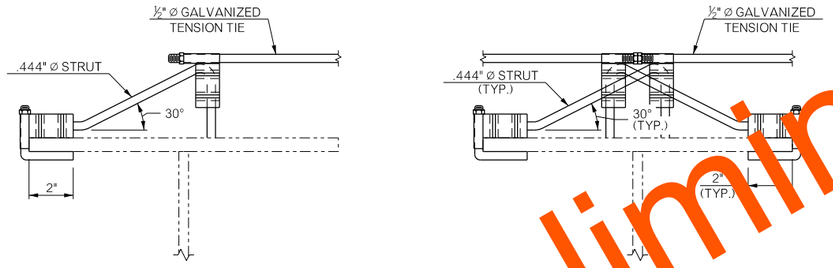
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/26/2025

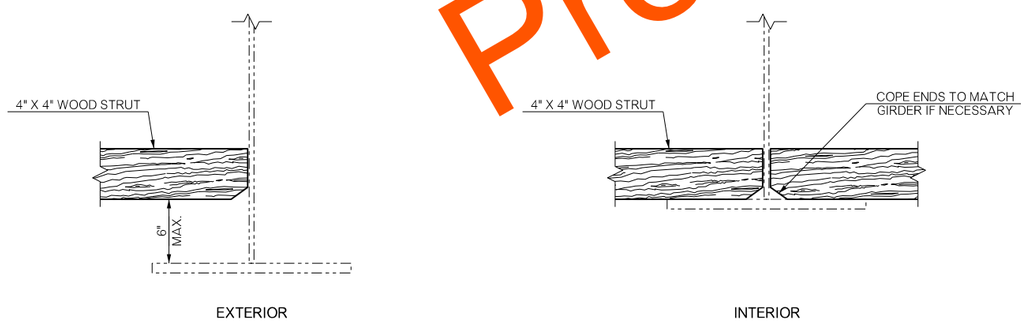
① STRUTS AND TENSION TIES SHALL NOT BE SPACED AT INTERVALS GREATER THAN 4'-0".



BEAM BRACING FOR DECK SLAB [illegible]ACING



TY-BAR CLIP DE[illegible]AIL
[illegible]OATED



HARDWOOD STRUT DETAIL

Preliminary Plans

NOTES:
SUBMIT DRAWINGS OF THE BRACING SYSTEM TO THE BRIDGE ENGINEER FOR APPROVAL. BRACING SYSTEMS OTHER THAN THAT SHOWN MAY BE USED IF DESIGN CALCULATIONS AND DRAWINGS OF THE PROPOSED BRACING SYSTEM ARE SUBMITTED TO AND APPROVED BY THE BRIDGE ENGINEER. DRAWINGS AND CALCULATIONS OF THE PROPOSED SYSTEM SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF OKLAHOMA. DO NOT PLACE DECK SLAB CONCRETE UNTIL BRACING SYSTEM IS APPROVED. THE DEPARTMENT CONSIDERS ALL COST FOR BRACING TO BE INCLUDED IN OTHER ITEMS OF WORK.

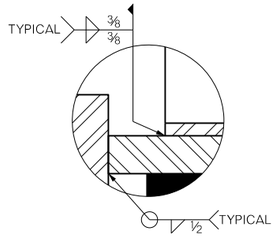
USE ADJUSTABLE CANTILEVER FORMING BRACKETS AT EXTERIOR GIRDERS CAPABLE OF BEING ADJUSTED DURING THE PLACEMENT OF DECK SLAB CONCRETE IN ORDER TO MAINTAIN PROPER GRADES AT THE DECK SLAB OVERHANG. IF SHIMS ARE TO BE USED TO ADJUST THE FORMING BRACKETS, PROVIDE THE BRIDGE ENGINEER A METHOD TO PREDICT CRUSH AND SETTLEMENT OF SHIMS. BEAR THE LEG BRACE OF THE BRACKETS ON THE GIRDER WITHIN 6" OF THE BOTTOM FLANGE.

USE #4 EPOXY COATED REINFORCING STEEL WITH THREADED ENDS OR GALVANIZED ALL THREAD FOR TENSION TIES. PLACE TENSION TIES PERPENDICULAR TO THE GIRDERS. ATTACH TENSION TIES TO THE TOP FLANGE OF THE GIRDERS WITH TY-BAR CLIPS AS SHOWN. DO NOT WELD TY-BAR CLIPS TO THE TOP FLANGE OF THE GIRDERS.

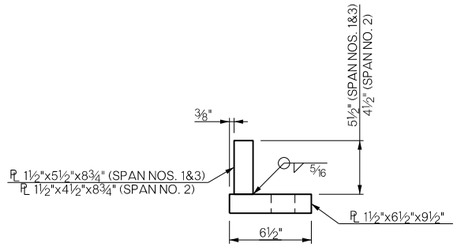
WEDGE HARDWOOD STRUTS, OR ANOTHER MATERIAL OF AN EQUIVALENT STRENGTH, BETWEEN GIRDER WEBS WITHIN 6" OF THE BOTTOM FLANGE AT EACH TENSION TIE LOCATION.

BRIDGE "B" I-35 SB OVER WATERLOO RD.	OKLAHOMA & LOGAN COUNTIES	DESIGN	DPE	4/24
STEEL BEAM BRACING DETAILS		DETAIL	CDB	4/24
		CHECK	DPE	1/25
		GARVER		
STATE OF OKLAHOMA	DEPARTMENT OF TRANSPORTATION			
	JOB PIECE NO. 29843(04)	SHEET NO. B051		

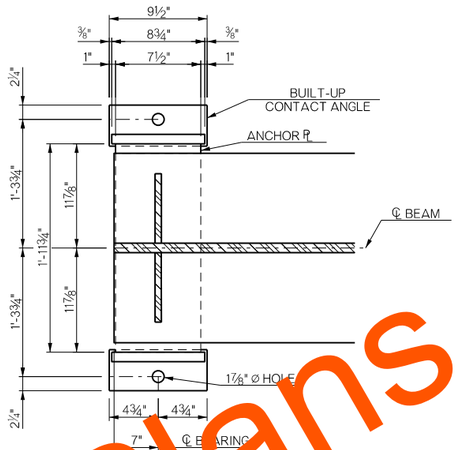
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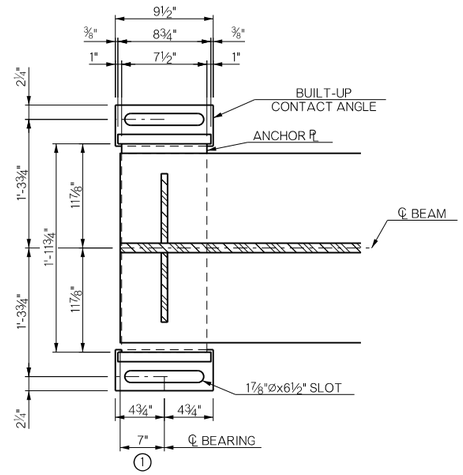
DETAIL "A"



BUILT-UP CONTACT ANGLE DETAIL

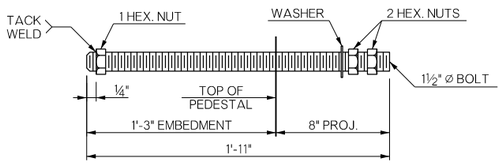


FIXED BEARING PLAN

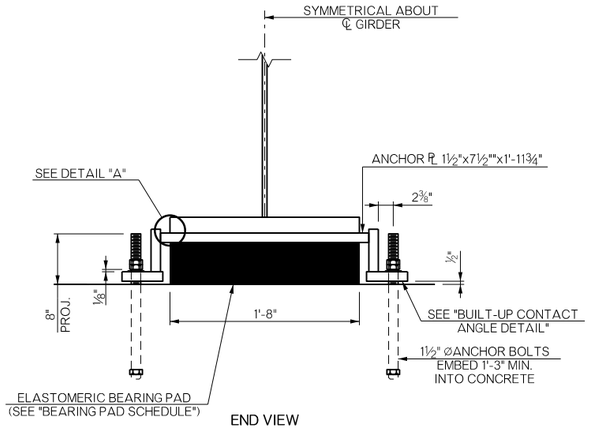


EXPANSION BEARING PLAN

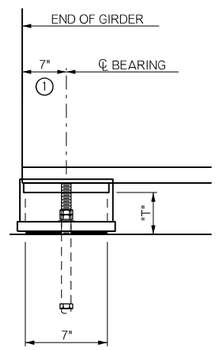
(1) ANCHOR BOLTS SHALL BE CENTERED IN SLOTS DURING SETTING OF BEAMS. DIMENSION MAY VARY DEPENDING ON TEMPERATURE AT THE TIME OF BEAM SETTING.



ANCHOR BOLT DETAIL



END VIEW



SIDE VIEW

BEARING DETAILS

BEARING ASSEMBLY NOTES:
PROVIDE STRUCTURAL STEEL FOR ANCHOR PLATES AND BUILT-UP CONTACT ANGLES IN ACCORDANCE WITH ASTM A240 (AUSTENITIC STAINLESS STEEL, TYPE 316, CHARPY V-NOTCH TESTING NOT REQUIRED). FOR ANCHOR BOLTS, PROVIDE CONTINUOUSLY THREADED BARS IN ACCORDANCE WITH ASTM A320, CLASS 2, GRADE B8M (AUSTENITIC STAINLESS STEEL, TYPE 316, CHARPY V-NOTCH TESTING NOT REQUIRED). USE AUSTENITIC STAINLESS STEEL NUTS AND WASHERS CONFORMING TO ASTM A194, GRADE 8M AND ASTM A320, RESPECTIVELY. PERFORM ALL WELDING CONSISTENT WITH PROCEDURES FOR STAINLESS STEEL.

BEARING PAD SCHEDULE

LOCATION		60 DUROMETER ELASTOMERIC BEARING PAD				
		THICKNESS "T"	COVER LAYER	INNER LAYER	LAMINATE LAYER	WEIGHT
ABUTMENT NO. 1		5⅛"	2 - ¼"	9 - ⅜"	10 - ⅛"	201.00
PIER NO. 1	BACK STA.	5⅛"	2 - ¼"	9 - ⅜"	10 - ⅛"	201.00
	FORWARD STA.	4⅛"	2 - ¼"	7 - ⅜"	8 - ⅛"	193.50
PIER NO. 2	BACK STA.	4⅛"	2 - ¼"	7 - ⅜"	8 - ⅛"	193.50
	FORWARD STA.	5⅛"	2 - ¼"	9 - ⅜"	10 - ⅛"	201.00
ABUTMENT NO. 2		5⅛"	2 - ¼"	9 - ⅜"	10 - ⅛"	201.00

Preliminary Plans

BRIDGE "B" OVER I-35 SB OVER WATERLOO RD.
OKLAHOMA & LOGAN COUNTIES

BEARING DETAILS

DESIGN	DPE	4/24
DETAIL	CDB	5/24
CHECK	DPE	1/25

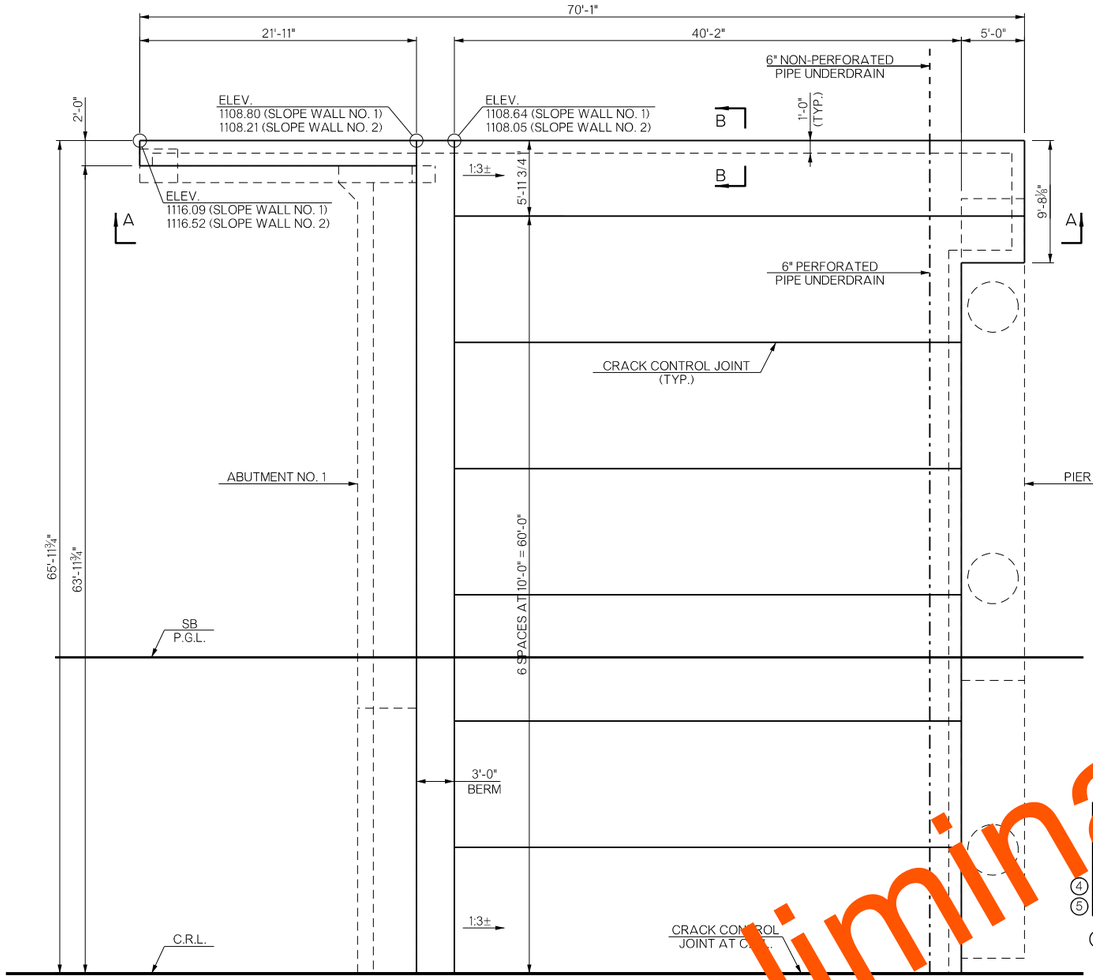
GARVER

STATE OF OKLAHOMA | DEPARTMENT OF TRANSPORTATION
JOB PIECE NO. 29843(04) | SHEET NO. B052

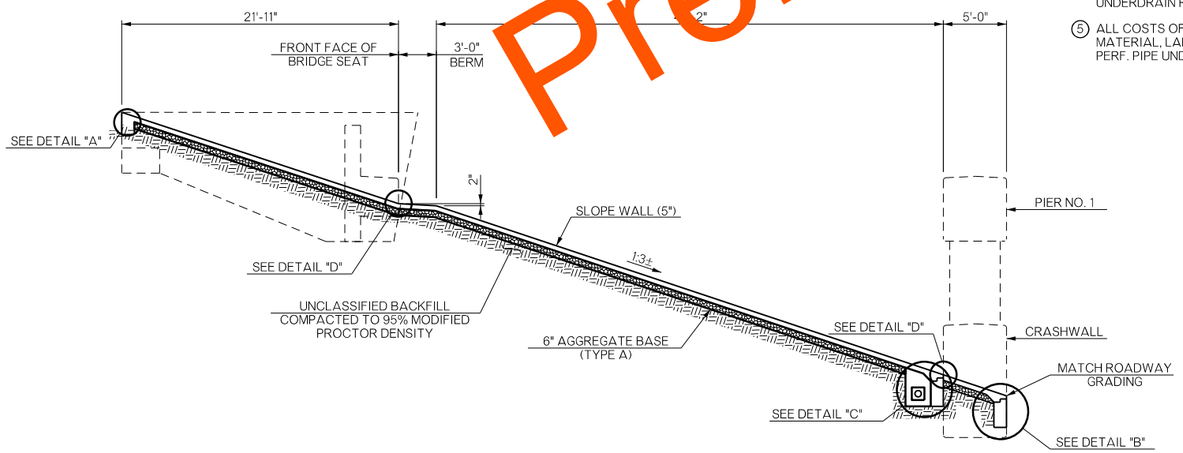
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OKLAHOMA DEPARTMENT OF TRANSPORTATION

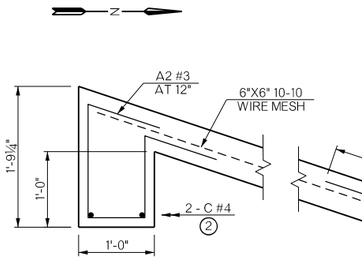
FINAL FIELD MEETING
3/26/2025



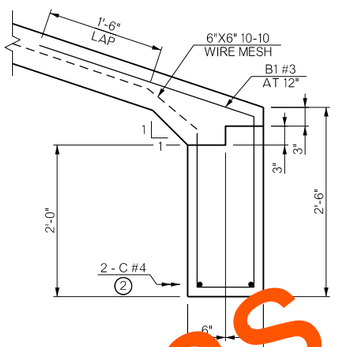
PLAN - SLOPE WALL AT ABUTMENT NO. 1
(SLOPE WALL AT ABUTMENT NO. 2 OPPOSITE HAND)



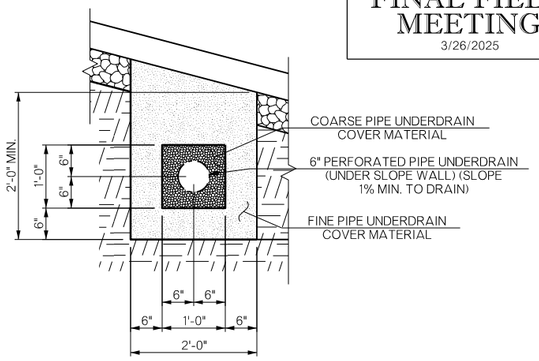
SECTION A-A
(SLOPE WALL AT ABUTMENT NO. 2 OPPOSITE HAND)



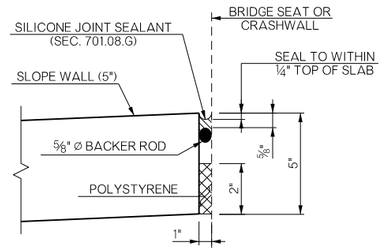
DETAIL "A"



DETAIL "B"



DETAIL "C"



DETAIL "D"

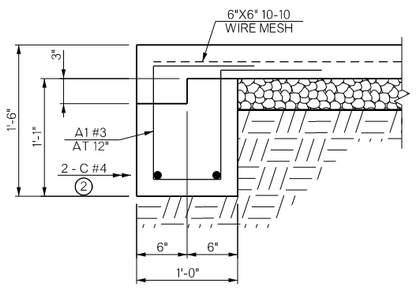
SUMMARY OF QUANTITIES - SLOPE WALLS ③				
ITEM	UNIT	SLOPE WALL NO. 1	SLOPE WALL NO. 2	TOTAL
SLOPE WALL (5")	SY	344.00	344.00	688.00
④ 6" PERFORATED PIPE UNDERDRAIN ROUND	LF	66.00	66.00	132.00
⑤ 6" NON-PERF.PIPE UNDERDRAIN RND.	LF	20.00	20.00	40.00

③ ALL COSTS OF THE "SLOPE WALL (5")" INSTALLATION INCLUDING CLASS A CONCRETE, REINFORCING STEEL, LAP SPLICES, BACKER ROD, SILICONE JOINT SEALANT, PREFORMED JOINT FILLER, POLYSTYRENE, EXCAVATION, AGGREGATE BASE (TYPE A), UNCLASSIFIED BACKFILL, LABOR, EQUIPMENT,AND OTHER INCIDENTALS NECESSARY TO COMPLETE THE WORK AS SPECIFIED ON THE PLANS SHALL BE INCLUDED IN THE PRICE BID PER SQUARE YARD OF "SLOPE WALL (5")".

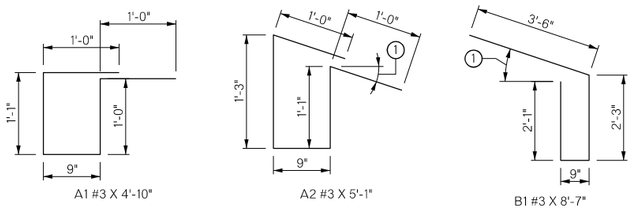
④ ALL COSTS OF THE PERFORATED PIPE UNDERDRAIN INSTALLATION INCLUDING TRENCH EXCAVATION, COVER MATERIAL, LABOR, EQUIPMENT, AND INCIDENTALS SHALL BE INCLUDED IN THE PRICE BID PER LINEAR FOOT OF "6" PERFORATED PIPE UNDERDRAIN ROUND".

⑤ ALL COSTS OF THE NON-PERFORATED PIPE UNDERDRAIN INSTALLATION INCLUDING TRENCH EXCAVATION, BACKFILLING, MATERIAL, LABOR, EQUIPMENT, AND INCIDENTALS SHALL BE INCLUDED IN THE PRICE BID PER LINEAR FOOT OF "6" NON-PERF. PIPE UNDERDRAIN RND.".

① MATCH SLOPE OF SLOPE WALL.
② CONTINUOUS 1'-6" LAP WHEN NECESSARY.



SECTION B-B



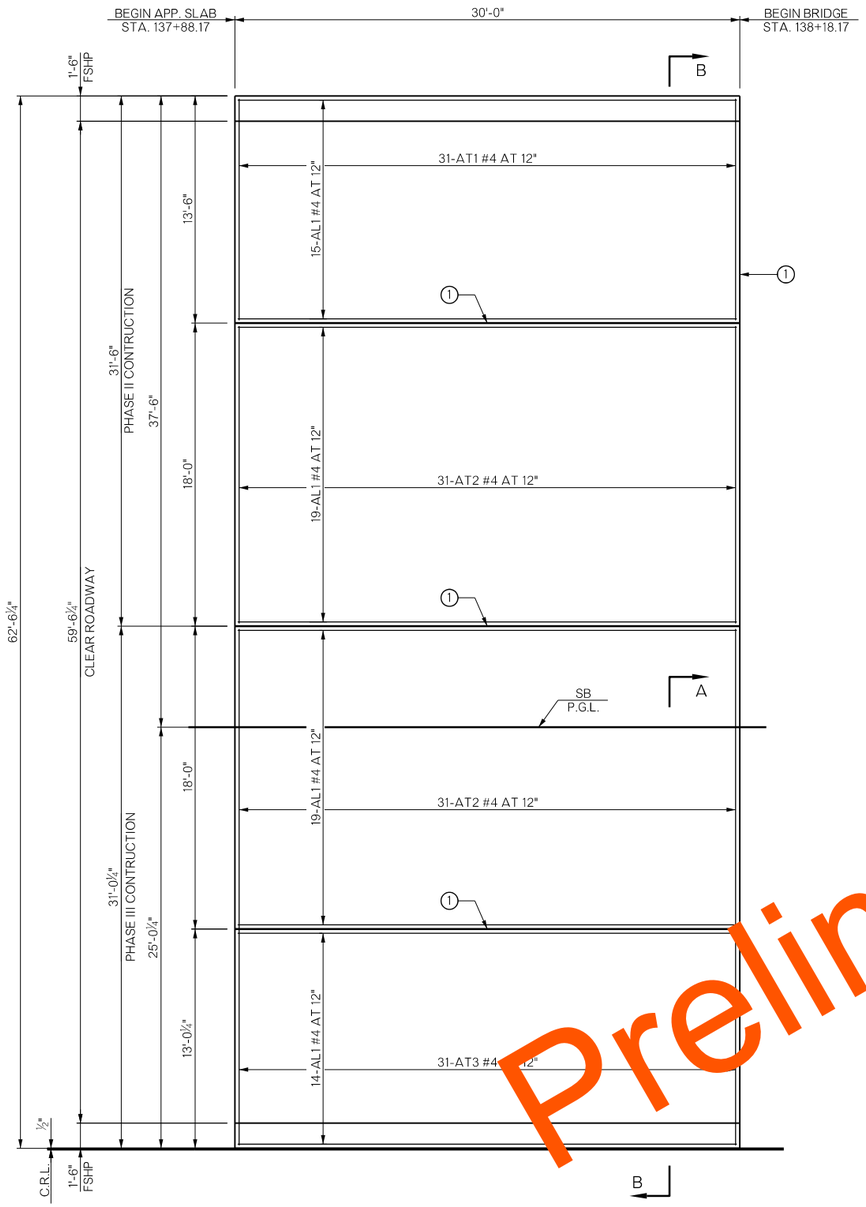
BRIDGE "B" I-35 SB OVER WATERLOO RD.	OKLAHOMA & LOGAN COUNTIES	DESIGN	DPE 8/20
		DETAIL	SJL 4/24
SLOPE WALL DETAILS		CHECK	DPE 1/25
		GARVER	
STATE OF OKLAHOMA	DEPARTMENT OF TRANSPORTATION		
	JOB PIECE NO. 29843(04)	SHEET NO.	B053

Preliminary Plans

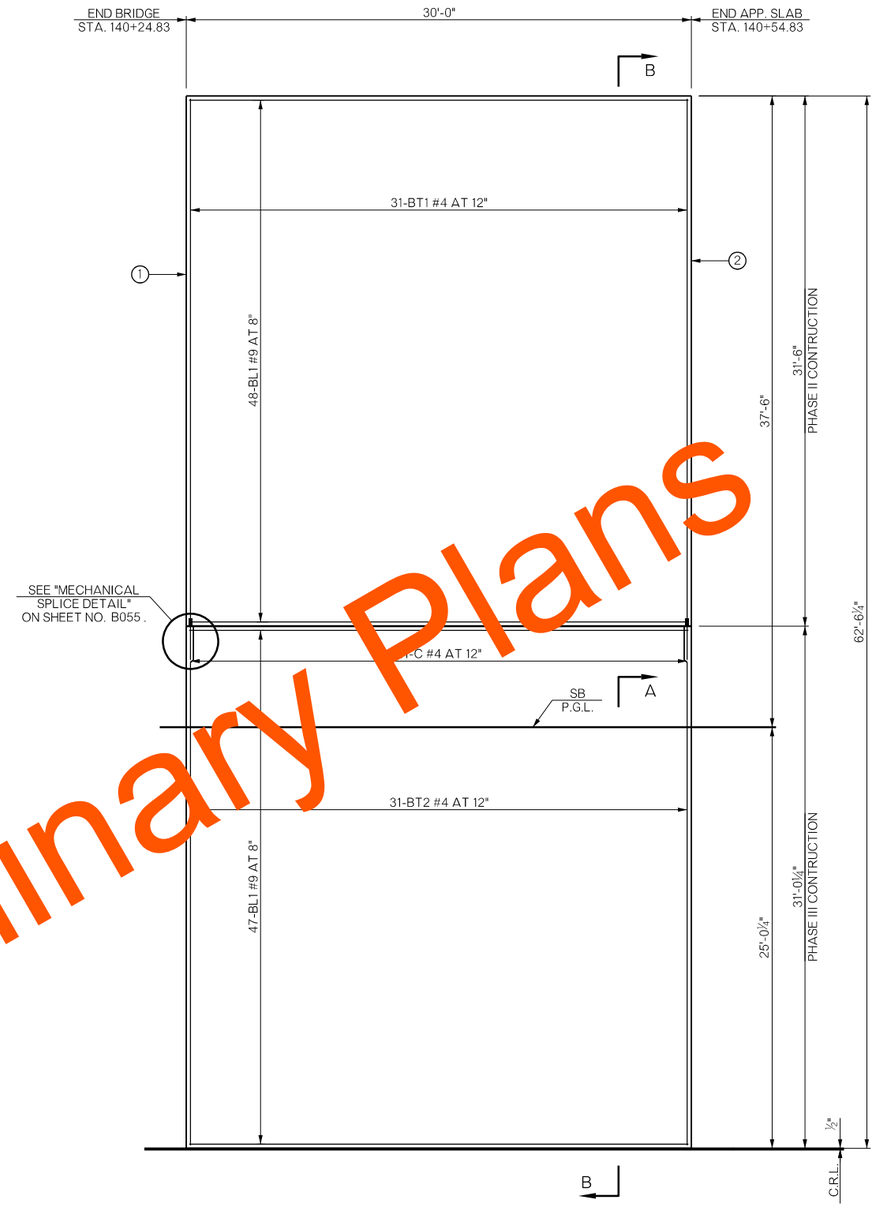
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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/26/2025



APPROACH SLAB AT ABUTMENT NO. 1
(SHOWING TOP REINFORCING STEEL)



APPROACH SLAB AT ABUTMENT NO. 2
(SHOWING BOTTOM REINFORCING STEEL)

Preliminary Plans

NOTES:
DO NOT GROOVE WITHIN 6" OF ANY JOINT.

42" F-SHAPED CONCRETE PARAPET (FSHP) REINFORCEMENT OMITTED FOR CLARITY, SEE STD. FSHP-42-2-00E FOR DETAILS.

① ¼" SAWED AND SEALED CONSTRUCTION JOINT IN THE TOP OF EACH APPROACH SLAB. SEE "SAWED AND SEALED JOINT DETAIL" ON SHEET NO. B055.

② SEE "TERMINAL JOINT DETAIL" ON SHEET NO. B055. APPROACH SLAB NO. 2 ONLY.

BRIDGE "B"
I-35 SB OVER WATERLOO RD.

OKLAHOMA & LOGAN COUNTIES

DESIGN	DPE	8/20
DETAIL	SJL	10/20
CHECK	DPE	1/25

APPROACH SLAB DETAILS
(SHEET 1 OF 2)

GARVER

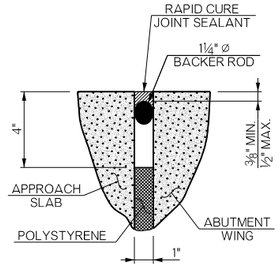
STATE OF OKLAHOMA

DEPARTMENT OF TRANSPORTATION

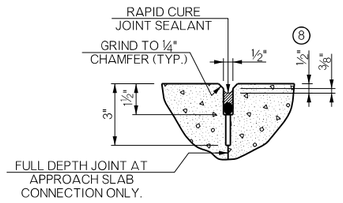
JOB PIECE NO. 29843(04)

SHEET NO. B054

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WING JOINT DETAIL



SAWED AND SEALED JOINT DETAIL

NOTES:
THE SHAPE FACTOR, COMBINED WITH THE JOINT CLEANLINESS, IS THE CRITICAL COMBINATION NECESSARY TO GUARANTEE DESIRED BONDING AND FUNCTION OF SEALED JOINTS. THE JOINT SHAPE FACTOR IS DEFINED AS THE FINAL PRESSED SHAPE OF THE SILICONE MATERIAL. THE TOOLING OPERATION WILL FIRMLY PRESS THE FRESHLY APPLIED MATERIAL INTIMATELY AGAINST THE CUT SIDES OF THE RECESS AND THE BACKER ROD SURFACES. THE ROUNDED SHAPE ON TOP AND BOTTOM OF THE SILICONE ALLOWS THE SEALANT TO PROPERLY FLEX BUT MAINTAIN ADHERENCE TO THE PAVING.

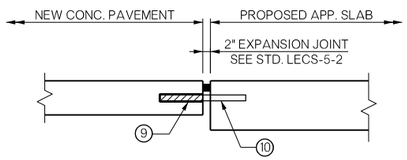
SEE "GENERAL NOTES" ON SHEET NO. AB01 FOR SAWED AND SEALED JOINT SPECIFICATIONS.

⑧ THIS DIMENSION SHALL TAPER FROM ½" AT EDGE OF DRIVING LANE/SHOULDER TO ⅛" AT RAIL FOR TRANSVERSE JOINTS ONLY.

BAR LIST - APPROACH SLABS ③

	MARK	SIZE	NO.	FORM	LENGTH
	EPOXY COATED REINFORCING STEEL				
PHASE II CONST.	AL1	#4	34	STR.	29'-8"
	AT1	#4	31	STR.	13'-2"
	AT2	#4	31	STR.	17'-8"
	BL1	#9	48	STR.	29'-8"
	BT1	#4	31	STR.	31'-4"
	FS2	#5	31	BENT	7'-4"
PHASE III CONST.	AL1	#4	33	STR.	29'-8"
	AT2	#4	31	STR.	17'-8"
	AT3	#4		STR.	12'-8"
	BL1	#9	47	STR.	29'-8"
	BT2	#4		STR.	30'-8"
	C	#4	31	STR.	2'-2"
	FS2	#5		BENT	7'-4"

③ ONE SHOWN, TWO REQUIRED



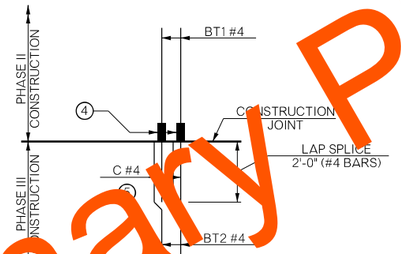
TERMINAL JOINT DETAIL

NOTES:
ALL COSTS OF INSTALLATION OF TERMINAL JOINT, INCLUDING DOWEL BARS, EPOXY, EXPANSION JOINT, MATERIALS, LABOR, EQUIPMENT, AND ANY INCIDENTALS NECESSARY TO COMPLETE THE WORK AS SHOWN SHALL BE INCLUDED IN "APPROACH SLAB".

FOR DETAILS OF DOWEL BARS, SEE STD. CRCP2-4-1.

⑨ EXPOSED 9" OF DOWEL BAR SHALL BE COATED WITH FORM RELEASE AGENT OR GREASE BEFORE EXPANSION CAP IS INSTALLED TO INSURE THAT THE BOND BETWEEN DOWEL BAR AND CONCRETE PAVEMENT IS BROKEN.

⑩ DOWEL BARS SHALL BE EPOXIED OR GROUTED (NON-CAPPED END) INTO 1⅜" (MAX.) BY 9" DEEP DRILLED HOLES SPACED AT 12.0" CENTERS, PLACED AT MID-SLAB. DRILLED HOLES AND DOWEL BARS SHALL BE PLACED PARALLEL TO THE DRIVING SURFACE. SUFFICIENT EPOXY SHALL BE USED TO COMPLETELY FILL THE VOID BETWEEN THE DOWEL BAR AND THE HOLE.



MECHANICAL SPLICE DETAIL

NOTES:
MECHANICAL COUPLERS SHALL ONLY BE USED IN PHASE I CONSTRUCTION.

COST OF INSTALLING MECHANICAL SPLICES SHALL NOT BE PAID FOR DIRECTLY BUT SHALL BE INCLUDED IN THE PRICE BID PER EACH OF "MECHANICAL SPLICES".

④ INSTALL MECHANICAL REINFORCING BAR COUPLER (EPOXY COATED) IN ACCORDANCE WITH SECTION 511.04.C.3. INSTALLATION SHALL FOLLOW THE MANUFACTURER'S RECOMMENDATIONS. COUPLERS SHALL BE ATTACHED TO:

BT1 #4

⑤ SPLICE:
BT1 W/ C #4

LAP:
C W/ BT2 #4

SUMMARY OF QUANTITIES - APPROACH SLAB NO. 1

ITEM	UNIT	PHASE II CONST.	PHASE III CONST.	TOTAL
⑥ ⑦ APPROACH SLAB	SY	105.00	103.50	208.50
SAW-CUT GROOVING	SY	100.00	98.50	198.50
42" F-SHAPED PARAPET	LF	30.00	30.00	60.00
MECHANICAL SPLICES	EA	31.00	-	31.00
WATER REPELLENT (VISUALLY INSPECTED)	SY	15.00	15.00	30.00

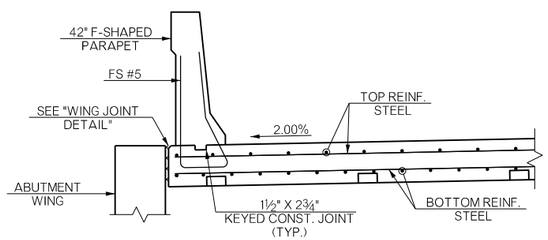
SUMMARY OF QUANTITIES - APPROACH SLAB NO. 2

ITEM	UNIT	PHASE II CONST.	PHASE III CONST.	TOTAL
⑥ ⑦ APPROACH SLAB	SY	105.00	103.50	208.50
SAW-CUT GROOVING	SY	100.00	98.50	198.50
42" F-SHAPED PARAPET	LF	30.00	30.00	60.00
MECHANICAL SPLICES	EA	31.00	-	31.00
WATER REPELLENT (VISUALLY INSPECTED)	SY	15.00	15.00	30.00

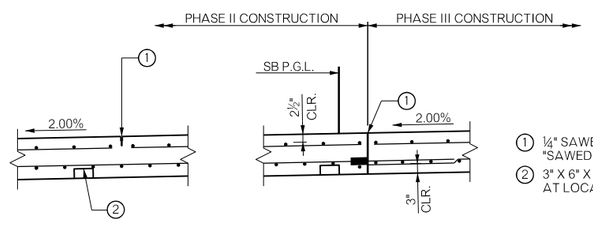
⑥ THE CONTRACT UNIT PRICE FOR "APPROACH SLAB" SHALL BE FULL COMPENSATION FOR CONCRETE, EPOXY COATED REINFORCING STEEL (INCLUDING SR1 BARS), BACKER ROD, RAPID CURE JOINT SEALANT, POLYSTYRENE, LABOR, EQUIPMENT AND OTHER INCIDENTALS NECESSARY TO COMPLETE THE WORK AS SPECIFIED IN THE PLANS.

⑦ THERE IS AN ESTIMATED 38.00 C.Y. OF CLASS AA CONCRETE AND AN ESTIMATED 7,050.00 LB. OF EPOXY COATED REINFORCING STEEL IN EACH APPROACH SLAB DURING PHASE II CONSTRUCTION.

THERE IS AN ESTIMATED 37.40 C.Y. OF CLASS AA CONCRETE AND AN ESTIMATED 6,950.00 LB. OF EPOXY COATED REINFORCING STEEL IN EACH APPROACH SLAB DURING PHASE III CONSTRUCTION.



SECTION B



SECTION A THRU APPROACH SLAB

① ¼" SAWED AND SEALED CONSTRUCTION JOINT IN THE TOP OF EACH APPROACH SLAB. SEE "SAWED AND SEALED JOINT DETAIL".

② 3" X 6" X 6" CONCRETE BLOCK AT 4'-0" MAX. SPA. IN EACH DIRECTION. OMIT CONCRETE BLOCK AT LOCATION OF CONSTRUCTION JOINT.

Preliminary Plans

BRIDGE "B"
I-35 SB OVER WATERLOO RD.

OKLAHOMA & LOGAN COUNTIES

APPROACH SLAB DETAILS
(SHEET 2 OF 2)

DESIGN	DPE	8/20
DETAIL	SJL	10/20
CHECK	DPE	1/25

GARVER

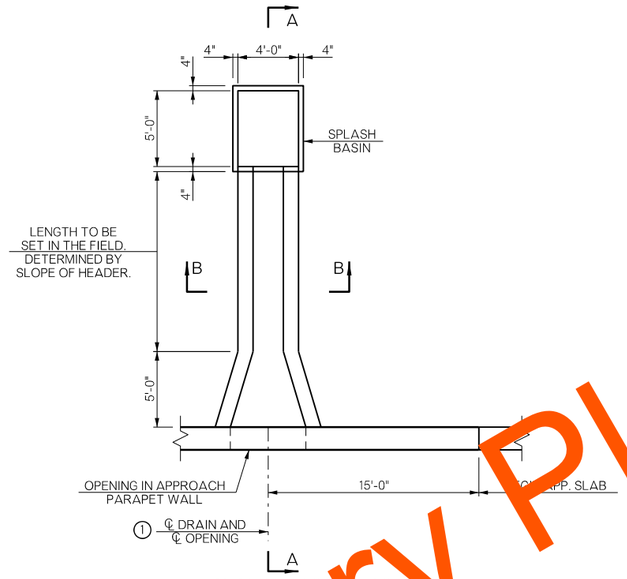
STATE OF OKLAHOMA

DEPARTMENT OF TRANSPORTATION

JOB PIECE NO. 29843(04)

SHEET NO. B055

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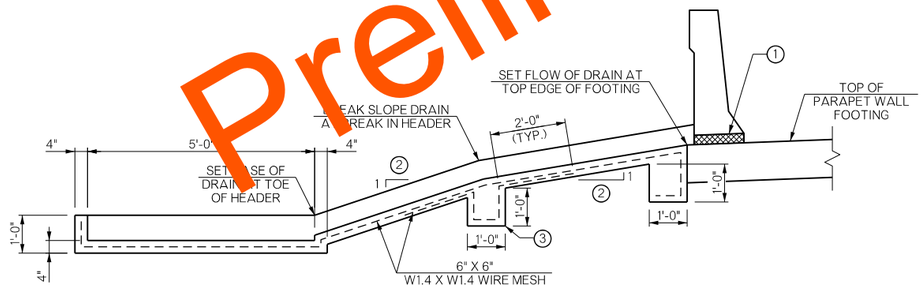


SLOPE DRAIN DETAIL

(DRAIN AT APPROACH SLAB NO. 1 SHOWN; DRAIN AT APPROACH SLAB NO. 2 SIMILAR BUT OPPOSITE HAND)

(1) FOR PARAPET WALL DRAIN OPENING, SEE ROADWAY PARAPET WALL SHEETS.

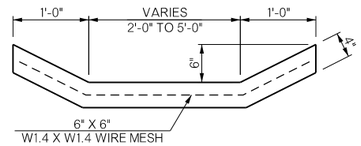
Preliminary Plans



SECTION A-A

(2) SLOPE TO MATCH SLOPE OF HEADER

(3) PLACE INTERMEDIATE CURTAIN WALLS FOR DRAINS LONGER THAN 100'-0". INTERMEDIATE CURTAIN WALLS SHALL BE PLACED AT EQUAL SPACES, 100'-0" MAXIMUM SPACING.



SECTION B-B

BRIDGE "B" I-35 SB OVER WATERLOO RD.	OKLAHOMA & LOGAN COUNTIES	DESIGN	DPE	8/20
		DETAIL	SJL	10/20
DRAIN DETAILS		CHECK	DPE	1/25
		GARVER		
STATE OF OKLAHOMA	DEPARTMENT OF TRANSPORTATION			
	JOB PIECE NO. 29843(04)	SHEET NO. B056		

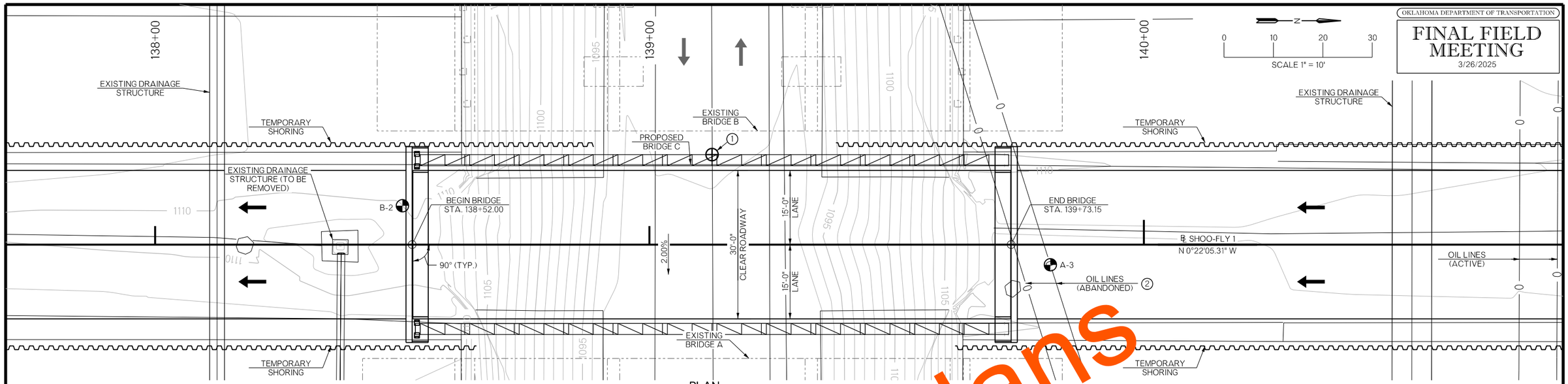
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OKLAHOMA DEPARTMENT OF TRANSPORTATION

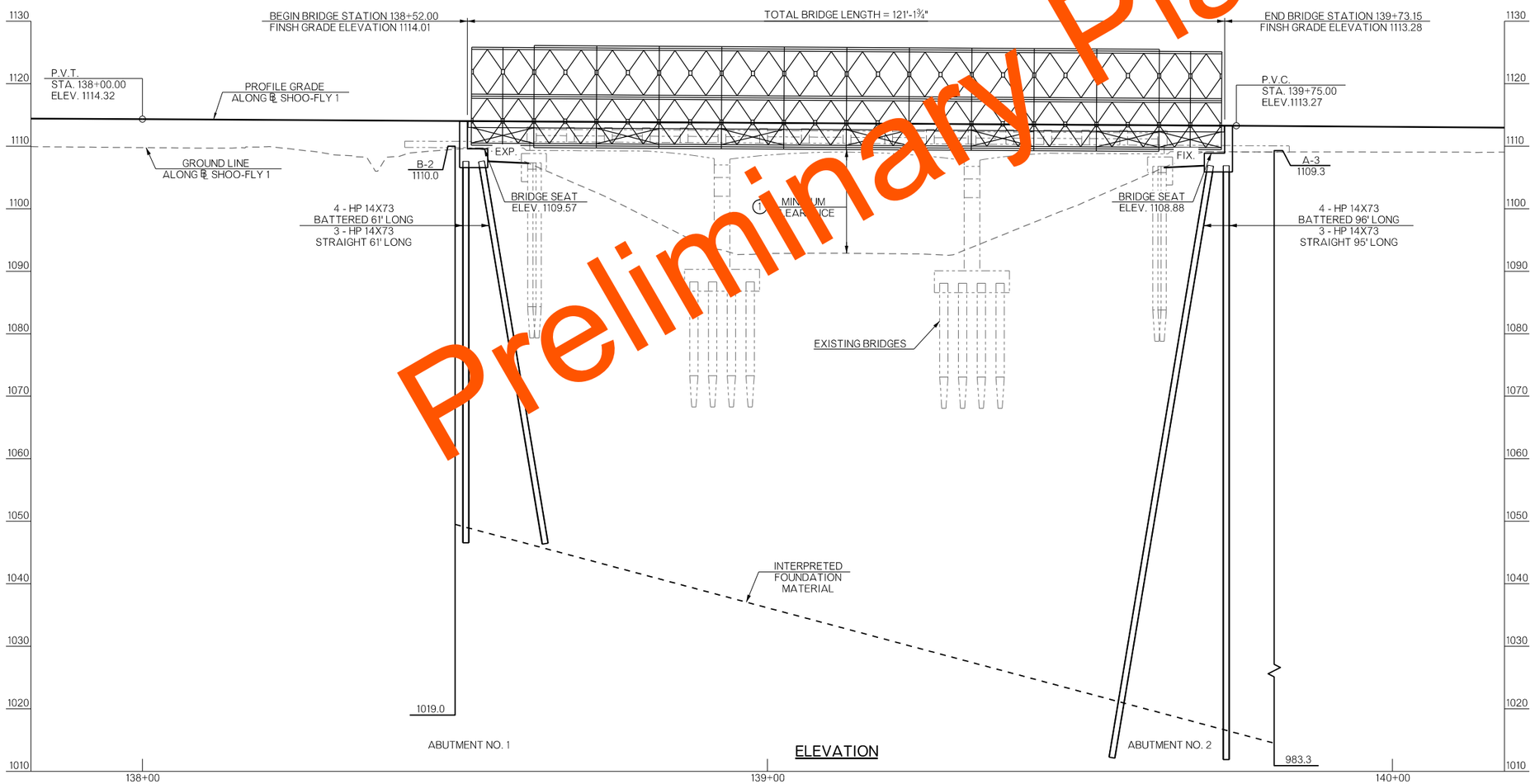
FINAL FIELD MEETING

3/26/2025

SCALE 1" = 10'



PLAN



ELEVATION

Preliminary Plans

LEGEND

EXISTING TRAFFIC

PROPOSED TRAFFIC

BENCHMMARK BM 110		
DESCRIPTION #6 REBAR		
OFFSET 369.89 RT.	STA. 138+10.27	EL. 1099.98

BENCHMMARK BM 133		
DESCRIPTION #6 REBAR		
OFFSET 381.19 LT.	STA. 138+11.14	EL. 1112.30

1 MINIMUM VERTICAL CLEARANCE 16'-2"
SHOO-FLY STA. 139+12.65
OFFSET 18.19' LT.
LOW CHORD ELEV. 1109.30

2 SURVEY WAS UNABLE TO LOCATE ABANDONED OIL LINES. CONTRACTOR SHALL TAKE CAUTION WHEN EXCAVATING IN THE VICINITY AND BE PREPARED TO REMOVE THE ABANDONED LINES.

NOTES:
FOR DESIGN DATA, VERTICAL PROFILE DATA, & FOUNDATION DATA SEE SHEET NO. B058.

FOR "FOUNDATION REPORTS", SEE SHEET NOS. B004 & B028.

BRIDGE "C" OKLAHOMA & LOGAN COUNTIES
I-35 SHOO-FLY OVER WATERLOO RD.

GENERAL PLAN AND ELEVATION (SHEET 1 OF 2)

CONSTRUCT NEW 121' ACROW STEEL BRIDGE W/ 30' CLEAR ROADWAY AT ℄ STRUCTURE STA. 139+12.58 (SKEW 0°)

DESIGN	DPE	1/20
DETAIL	SJL	1/20
CHECK	DPE	1/20

GARVER

STATE OF OKLAHOMA

DEPARTMENT OF TRANSPORTATION

JOB PIECE NO. 29843(04) SHEET NO. B057

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/26/2025

INDEX OF SHEETS

SHEET NO.	TITLE
B057-B058	GENERAL PLAN AND ELEVATION
B059	STAKING DIAGRAM
B060-B061	ABUTMENT DETAILS
B062	TYPICAL AND LONGITUDINAL SECTIONS

STANDARDS

HP1-2-01E

DESIGN DATA

(LOAD AND RESISTANCE FACTOR DESIGN DATA)

CLASS A CONCRETE — f'c = 3,000 P.S.I.
REINFORCING STEEL (GRADE 60) — fy = 60,000 P.S.I.

LOADING: HL93 AND 20 P.S.F. FUTURE WEARING SURFACE OR OKLAHOMA OVERLOAD TRUCK AND 20 P.S.F. FUTURE WEARING SURFACE.

DESIGN: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 9TH EDITION.

ANSI/AASHTO/AWS: D1.5 BRIDGE WELDING CODE

FOUNDATION DATA

ABUTMENT CAPS (HP 12X53 PILING) (1)

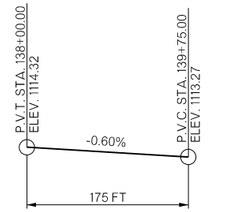
	ABUTMENT NO. 1	ABUTMENT NO. 2
FACTORED PILE REACTION (TONS/PILE	= XX.X	= XX.X
PILE LENGTH (FEET)	= XX.X	= XX.X

(1) ALL ABUTMENT PILING SHALL BE DRIVEN THROUGH COMPACTED FILL. PILING SHALL BE DRIVEN TO POINT BEARING ON SOLID FOUNDATION MATERIAL AT THE APPROXIMATE ELEVATION SHOWN ON THE PLANS. IF THE AXIAL LOAD RESISTANCE IS NOT OBTAINED AT THIS ELEVATION, DRIVING SHALL CONTINUE UNTIL THE AXIAL LOAD RESISTANCE IS OBTAINED. THE LENGTH OF THE STEEL PILING SHOWN ON THE PLANS IS FOR ESTIMATING PURPOSES ONLY.

Preliminary Plans

SUMMARY OF QUANTITIES

ITEM	UNIT	ABUTMENTS	SUPER-STRUCTURE	TOTAL
SUBSTRUCTURE EXCAVATION COMMON	CY	85.00	-	85.00
GRANULAR BACKFILL	CY	49.00	-	49.00
TEMPORARY EARTH RETAINAGE	LSUM	-	-	1.00
DETOUR BRIDGE	LSUM	-	1.00	1.00
STRUCTURAL STEEL	LB	190.00	-	190.00
CLASS A CONCRETE	CY	55.90	-	55.90
REINFORCING STEEL	LB	13,500.00	-	13,500.00
PILES, FURNISHED (HP 14X73)	LF	1,096.00	-	1,096.00
PILES, DRIVEN (HP 14X73)	LF	1,096.00	-	1,096.00
PILE SPLICE, H-PILE (NON-BIDDABLE)	EA	1.00	-	1.00



VERTICAL CURVE PROFILE DATA

BRIDGE "C" OKLAHOMA & LOGAN COUNTIES
I-35 SHOO-FLY OVER WATERLOO RD.

GENERAL PLAN AND ELEVATION
(SHEET 2 OF 2)

CONSTRUCT NEW 121' ACROW
STEEL BRIDGE W/ 30' CLEAR ROADWAY
AT ℄ STRUCTURE STA. 139+12.58 (SKEW 0°)

DESIGN	DPE	1/20
DETAIL	SJL	1/20
CHECK	DPE	1/20

GARVER

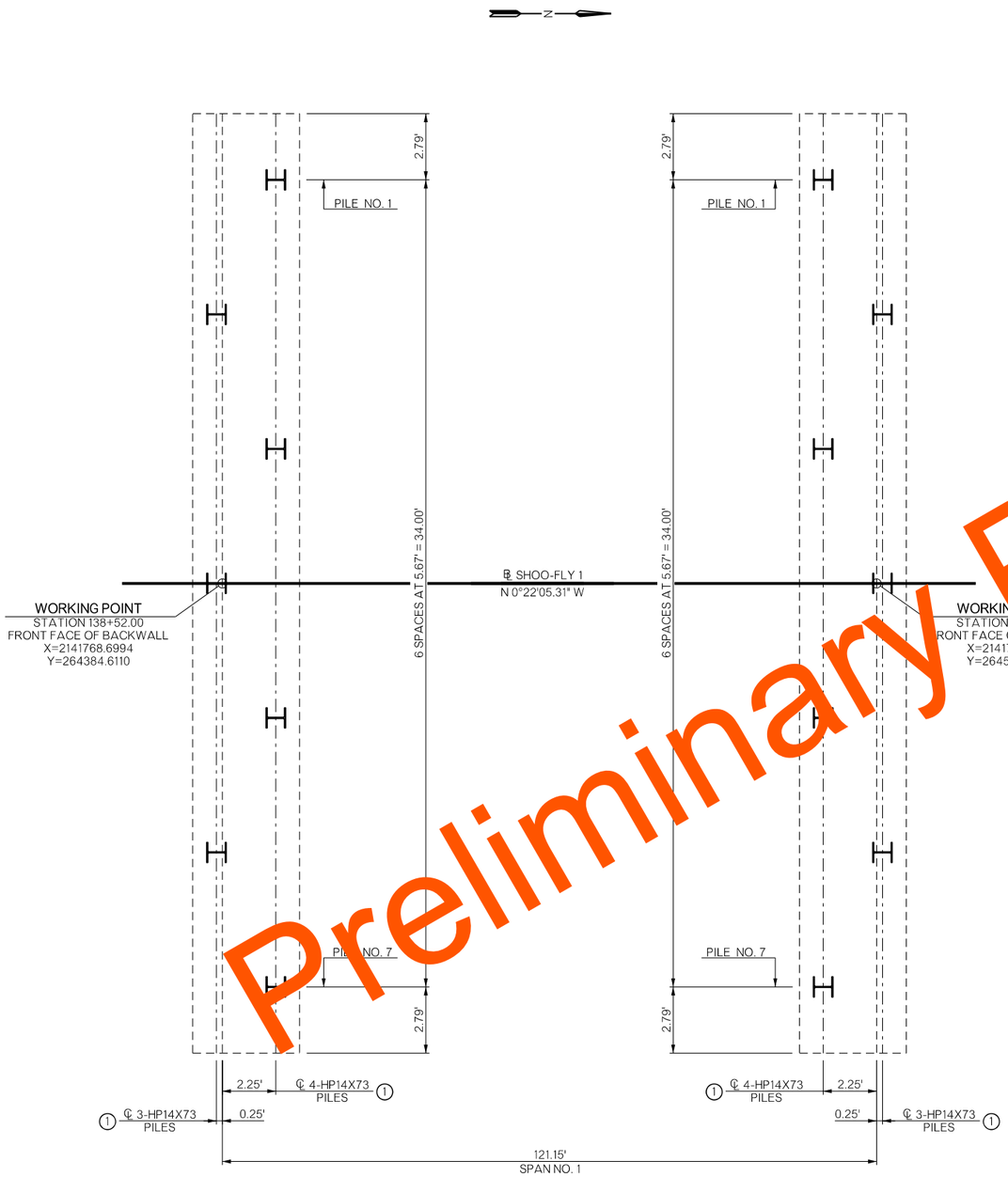
STATE OF OKLAHOMA — DEPARTMENT OF TRANSPORTATION

JOB PIECE NO. 29843(04) SHEET NO. B058

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/26/2025



TOP OF PILE SCHEDULE	
PILE	ELEVATION
ABUT. NO. 1	1107.57
ABUT. NO. 2	1106.88

Preliminary Plans

SUBSTRUCTURE STAKING DIAGRAM

① FACE OF PILE WEB SHALL BE PERPENDCULAR TO FACE OF BRIDGE SEAT.

BRIDGE "C" OKLAHOMA & LOGAN COUNTIES
I-35 SHOO-FLY OVER WATERLOO RD.

STAKING DIAGRAM

DESIGN	DPE	8/20
DETAIL	SJL	10/20
CHECK	DPE	1/25

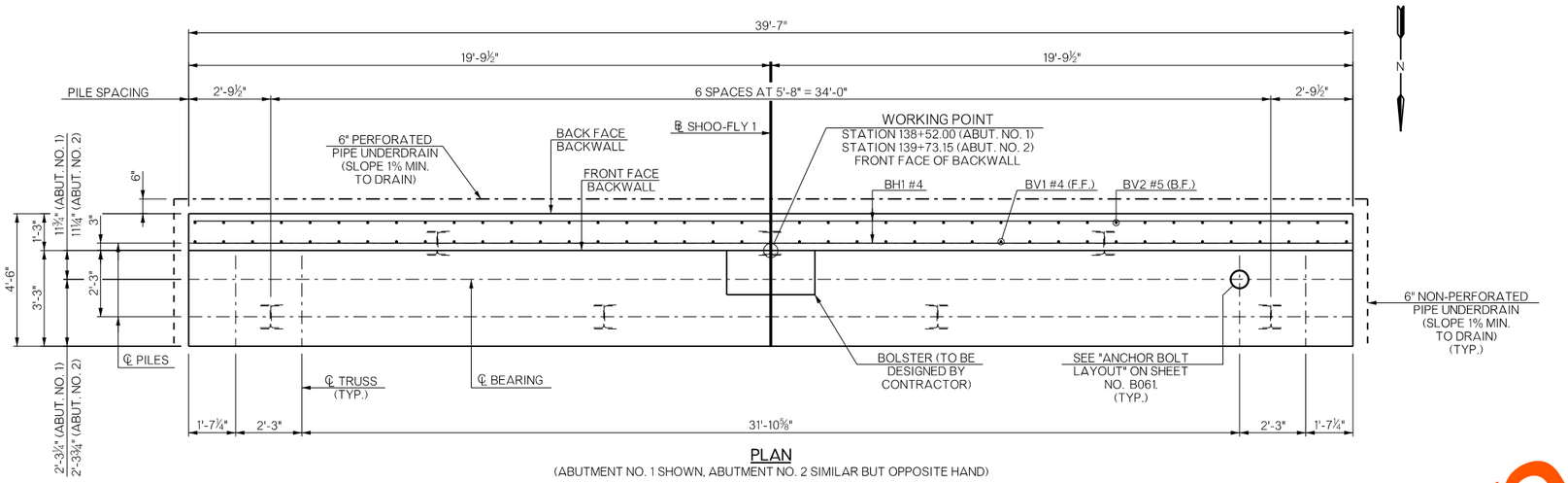
GARVER

STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION
JOB PIECE NO. 29843(04) SHEET NO. B059

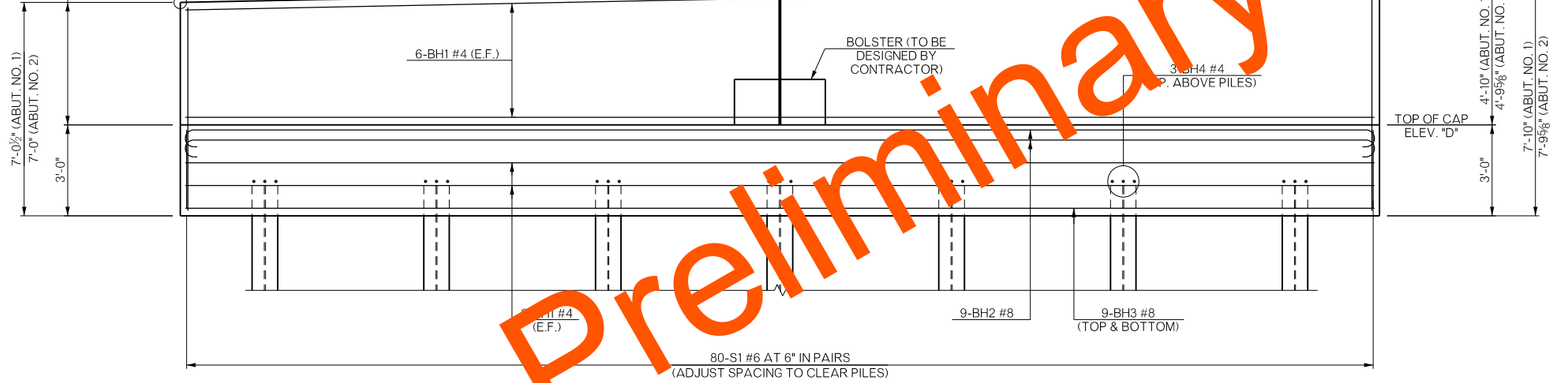
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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/26/2025

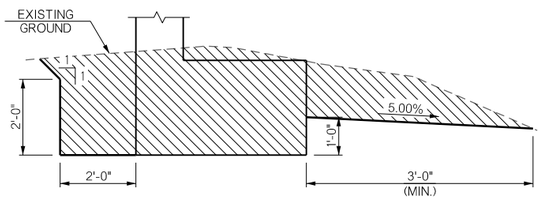


PLAN
(ABUTMENT NO. 1 SHOWN, ABUTMENT NO. 2 SIMILAR BUT OPPOSITE HAND)

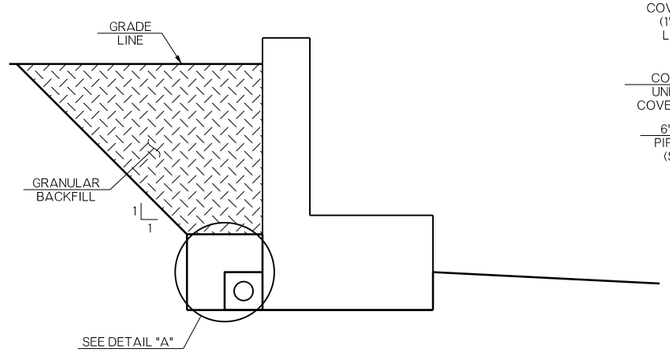


ELEVATION
(ABUTMENT NO. 1 LOOKING BACK STATION SHOWN; ABUTMENT NO. 2 LOOKING FORWARD STATION SIMILAR BUT OPPOSITE HAND)

TABLE OF VARIABLES				
ABUT. NO.	ELEV. "A"	ELEV "B"	ELEV "C"	ELEV. "D"
1	1113.61	1114.01	1114.40	1109.57
2	1112.88	1113.28	1113.68	1108.88

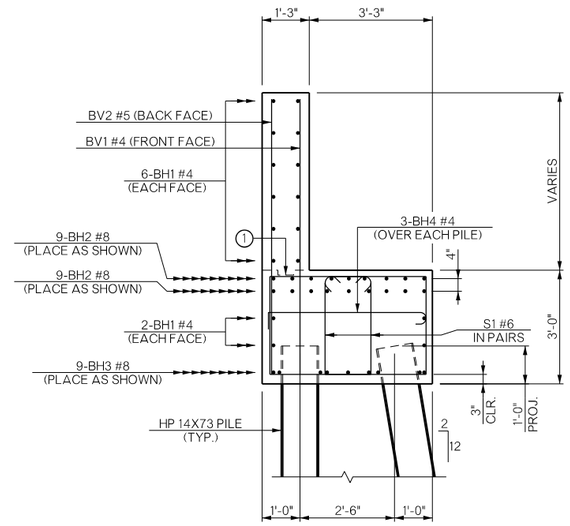


EXCAVATION DETAIL

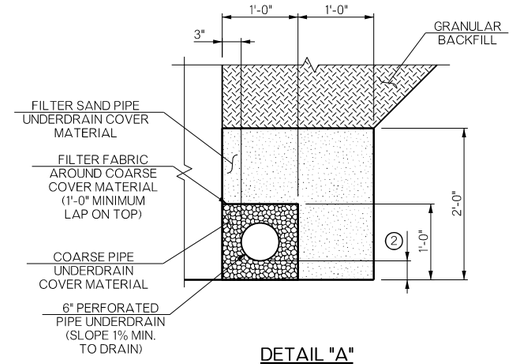


BACKFILL DETAIL

① 1½" X 5½" KEYED CONSTRUCTION JOINT.



TYPICAL SECTION THRU ABUTMENT



DETAIL "A"

② SET BOTTOM OF PIPE 3" ABOVE THE BOTTOM OF THE ABUTMENT AT THE LOW END.

BRIDGE "C" OKLAHOMA & LOGAN COUNTIES
I-35 SHOO-FLY OVER WATERLOO RD.

ABUTMENT DETAILS (SHEET 1 OF 2)

DESIGN	DPE	8/20
DETAIL	SJL	10/20
CHECK	DPE	1/25

GARVER

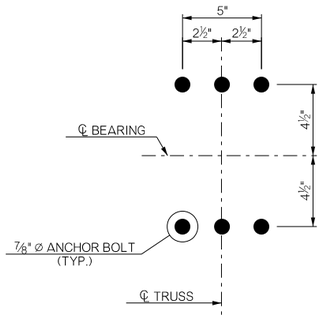
STATE OF OKLAHOMA | DEPARTMENT OF TRANSPORTATION
JOB PIECE NO. 29843(04) SHEET NO. B060

Preliminary Plans

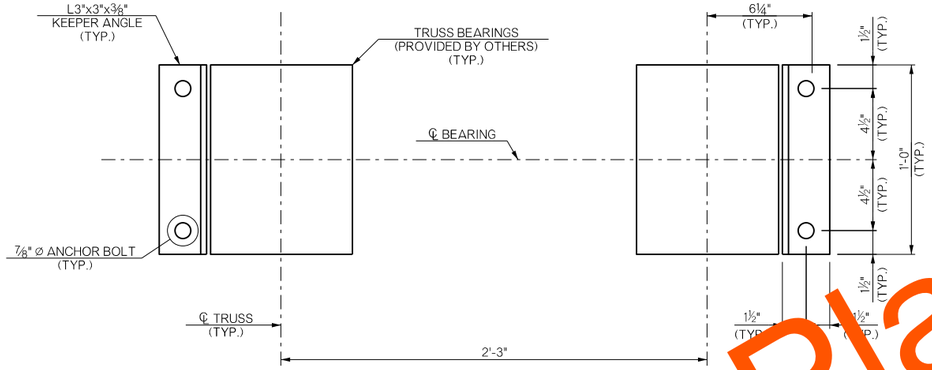
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OKLAHOMA DEPARTMENT OF TRANSPORTATION

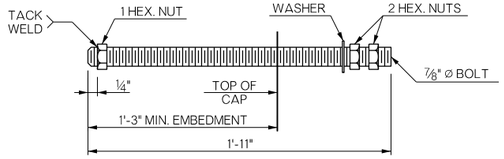
FINAL FIELD MEETING
3/26/2025



FIXED BEARING PLAN

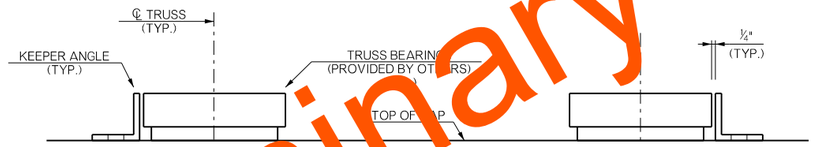


EXPANSION BEARING PLAN



ANCHOR BOLT DETAIL

NOTE:
ADJUST EMBEDMENT DEPTH AS NEEDED TO CLEAR TRUSS.



TYPICAL SECTION THRU EXPANSION BEARING

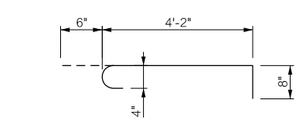
BEARING ASSEMBLY NOTES:

PROVIDE STRUCTURAL STEEL FOR KEEPER ANGLES IN ACCORDANCE WITH ASTM A709, GRADE 50.

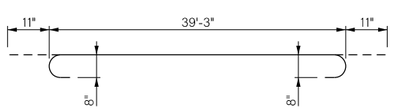
PROVIDE CONTINUOUSLY THREADED BARS IN ACCORDANCE WITH ASTM F1554, GRADE 55.

PROVIDE HEX NUTS IN ACCORDANCE WITH ASTM A563. PROVIDE WASHERS IN ACCORDANCE WITH ASTM F436.

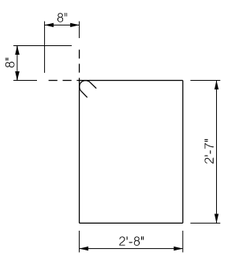
ALL COSTS ASSOCIATED WITH THE FABRICATION AND INSTALLATION OF THE BEARING ASSEMBLIES INCLUDING MATERIALS, FABRICATION, LABOR, EQUIPMENT, AND OTHER INCIDENTALS NECESSARY TO COMPLETE THE WORK AS SPECIFIED IN THE PLANS SHALL BE INCLUDED IN THE COST BID PER LB OF "STRUCTURAL STEEL"



BH4 #4 x 5'-4"



BH2 #8 x 41'-1"



S1 #6 x 11'-10"

BAR LIST - ABUTMENT NO. 1

MARK	SIZE	NO.	FORM	LENGTH	LENGTH VARIATION
REINFORCING STEEL					
BH1	#4	16	STR.	39'-3"	-
BH2	#8	18	BENT	41'-1"	-
BH3	#8	9	STR.	39'-3"	-
BH4	#4	21	BENT	5'-4"	-
BV1	#4	41	STR.	6'-11½" AVG.	6'-7" TO 7'-4"
BV2	#5	41	STR.	6'-11½" AVG.	6'-7" TO 7'-4"
S	#6	160	BENT	11'-10"	-

BAR LIST - ABUTMENT NO. 2

MARK	SIZE	NO.	FORM	LENGTH	LENGTH VARIATION
REINFORCING STEEL					
BH1	#4	16	STR.	39'-3"	-
BH2	#8	18	BENT	41'-1"	-
BH3	#8	9	STR.	39'-3"	-
BH4	#4	21	BENT	5'-4"	-
BV1	#4	41	STR.	6'-11½" AVG.	6'-7" TO 7'-4"
BV2	#5	41	STR.	6'-11½" AVG.	6'-7" TO 7'-4"
S	#6	160	BENT	11'-10"	-

SUMMARY OF QUANTITIES - ABUTMENTS

ITEM	UNIT	ABUTMENT NO. 1	ABUTMENT NO. 2	TOTAL
SUBSTRUCTURE EXCAVATION COMMON	CY	40.00	45.00	85.00
GRANULAR BACKFILL	CY	25.00	24.00	49.00
STRUCTURAL STEEL	LB	70.00	120.00	190.00
CLASS A CONCRETE	CY	28.00	27.90	55.90
REINFORCING STEEL	LB	6,750.00	6,750.00	13,500.00
PILES, FURNISHED (HP 14X73)	LF	427.00	669.00	1,096.00
PILES, DRIVEN (HP 14X73)	LF	427.00	669.00	1,096.00

Preliminary Plans

BRIDGE "C"
I-35 SHOO-FLY OVER WATERLOO RD.
OKLAHOMA & LOGAN COUNTIES

ABUTMENT DETAILS
(SHEET 2 OF 2)

DESIGN	DPE	8/20
DETAIL	SJL	10/20
CHECK	DPE	1/25

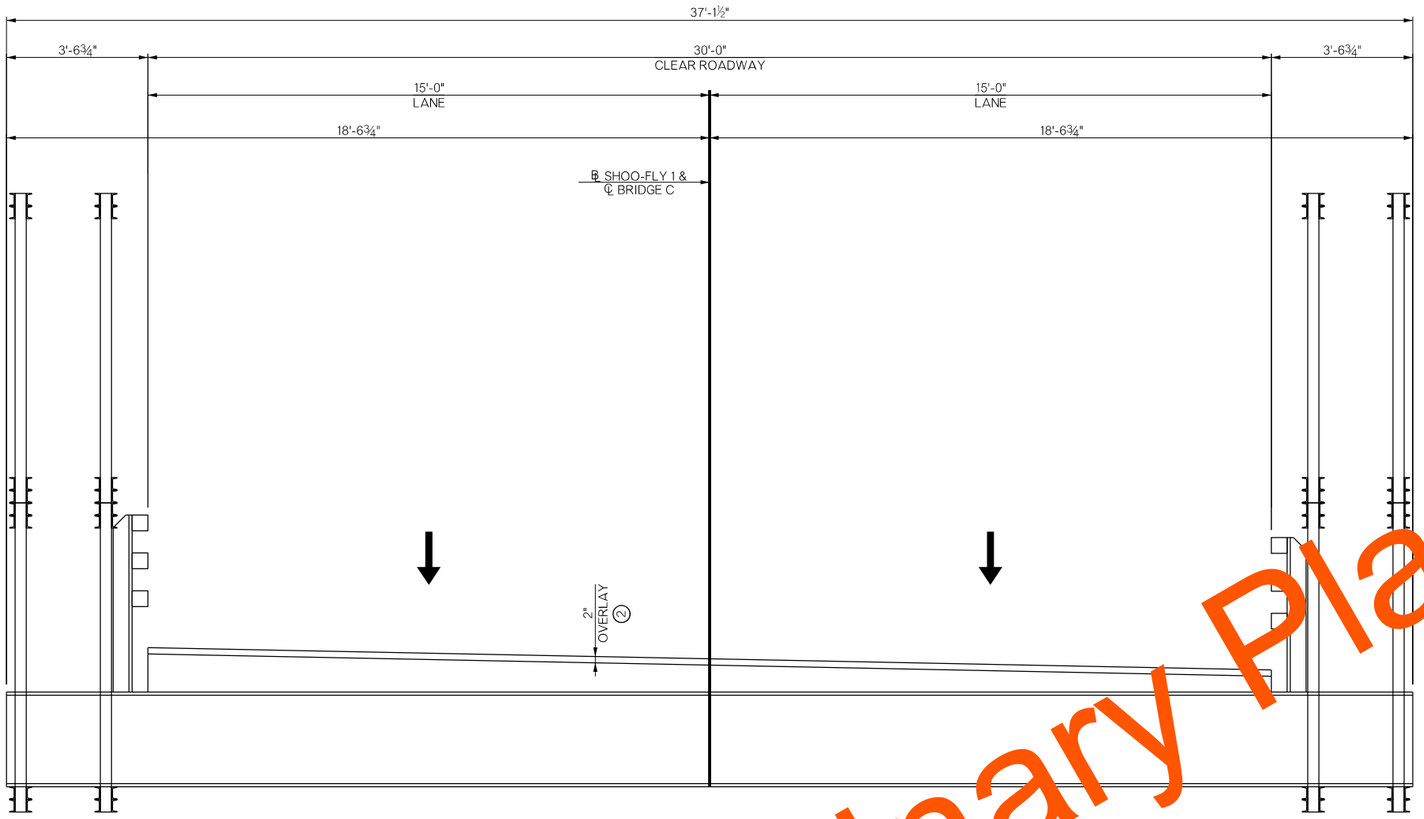
GARVER

STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION
JOB PIECE NO. 29843(04)
SHEET NO. B061

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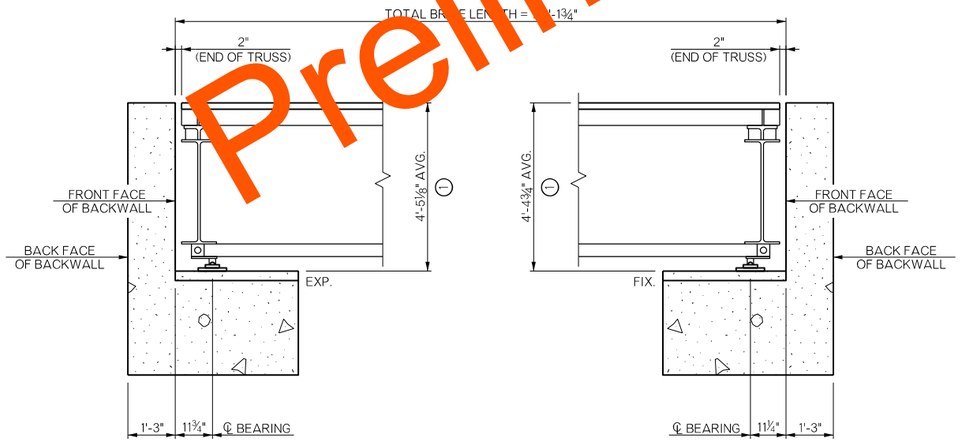
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/26/2025



TYPICAL SECTION
(LOOKING FORWARD STATION)

(2) TYPE S4 (PG 64-22 OK). TO BE INCLUDED IN ROADWAY QUANTITIES.



ABUTMENT NO. 1

ABUTMENT NO. 2

LONGITUDINAL SECTION

(1) DIMENSION IS AVERAGED FROM TOP OF 2" OVERLAY TO BOTTOM OF BEARING ASSEMBLY BETWEEN HIGH SIDE OF BRIDGE AND LOW SIDE OF BRIDGE, AT ℄ BEARING.

SUMMARY OF QUANTITIES - SUPERSTRUCTURE		
ITEM	UNIT	TOTAL
DETOUR BRIDGE	LSUM	1.00

Preliminary Plans

BRIDGE "C" OKLAHOMA & LOGAN COUNTIES
I-35 SHOO-FLY OVER WATERLOO RD.

TYPICAL AND LONGITUDINAL SECTIONS

DESIGN	DPE	5/18
DETAIL	SJL	1/20
CHECK	DPE	1/20

GARVER

STATE OF OKLAHOMA

DEPARTMENT OF TRANSPORTATION

JOB PIECE NO. 29843(04) SHEET NO. B062

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

SCALE 0 50 100 150

SEC 04
T14N R02W

SEC 09 T14N R02W

2644.50'
N89°15'03.18"E

90+00 (A001)

95+00 (A001)

100+00 (A001)

102

103

101

C.R.L. I-35

10300.00'
N00°22'05.31"W

SURVEY ℄ (A001)

11000.02'
N00°22'05.31"W

N-S 313.5
1/4 SECTION LINE

2643.71'
S00°25'26.66"E

SURVEY ℄ (A001)

C.R.L. I-35

STA. 102+12 (A001)

SEC 09 T14N R02W

E-W 90
SECTION LINE

SEC 04
T14N R02W

Preliminary Plans

105+00 (RAMP A)
105+00 (A001)

PI RAMP A
STA. 105+30.27

110+00 (RAMP A)
110+00 (A001)

SEC 04
T14N R02W

E-W 89.5
1/4 SECTION LINE

2640.21'
N89°03'44.59"E

115+00 (RAMP A)
115+00 (A001)

PI RAMP A
STA. 117+12.06

SCALE 0 50 100 150

104

℄ RAMP A

300.24'
N02°39'31.50"W

1181.79'
N00°22'05.31"W

106

℄ RAMP A

STA. 102+12 (A001)

C.R.L. I-35

10300.00'
N00°22'05.31"W

SURVEY ℄ (A001)

11000.02'
N00°22'05.31"W

N-S 313.5
1/4 SECTION LINE

2643.71'
S00°25'26.66"E

107

108

109

SURVEY ℄ (A001)

C.R.L. I-35

STA. 117+12 (A001)

℄ RAMP B

300.24'
N01°55'20.89"E

1500.00'
N00°22'05.31"W

℄ RAMP B

105

110

2661.89'
N89°03'44.59"E

105+00 (RAMP B)

PI RAMP B
STA. 105+30.27

SEC 04
T14N R02W

110+00 (RAMP B)

115+00
(RAMP B)

DESIGN	AKS	11/17
DRAWN	BWH	11/17
CHECKED	JES	6/18
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

GEOMETRIC LAYOUT
(SHEET 1 OF 12)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R001

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 50 100 150

SCALE

SEC 04
T14N R02W

120+00 (RAMP A)

125+00 (RAMP A)

130+00 (RAMP A)

120+00 (A001)

125+00 (A001)

130+00 (A001)

15+00 (A003)

10+00 (A003)

E-W 89.25

1/16 SECTION LINE

1318.57'

N88°54'41.45"E

PI RAMP A
STA. 120+12.30

PC RAMP A
STA. 127+92.

PT (A003)
STA. 10+49.19

PI (A003)
9+18.43

PT RAMP A
STA. 131+05.95

PC (A003)
STA. 7+86.52

STA. 7+00 (A003)

SURVEY ℄ (A003)
466.52'
S16°23'04.98"E

℄ RAMP A 857.54' S16°23'04.98"E
N16°01'50.00"W

℄ RAMP A 300.24'
N02°39'31.50"W

111

112

80.00'
N00°22'05.31"W

801.09'
S03°15'04.98"E

R-1

S-6

SURVEY ℄ (A003)

STA. 117+12 (A001)

C.R.L. I-35 10300.00
N00°22'05.31"W

SURVEY ℄ (A001)

11000.00'
N00°22'05.31"W

N-S 313.5

1/4 SECTION LINE

S87°37'44.

SURVEY ℄ (A001)

11000.00' C.R.L. I-35
N00°22'05.31"W

PI RAMP B
STA. 129+95.00

PI RAMP A
STA. 129+49.91

STA. 132+12 (A001)

114

113

SURVEY ℄ (A004)

S-7

R-2

℄ RAMP B 1500.00'
N00°22'05.31"W

300.24'
N01°55'20.88"E

500.00'
N00°22'05.31"W

℄ RAMP B N15°58'10.00"E 807.06'

SURVEY ℄ (A004)

498.30'
N15°36'33.01"E

PI RAMP B
STA. 120+30.27

PI RAMP B
STA. 123+30.51

PC RAMP B
STA. 128+30.51

PI (A004)
2+68.41

PT (A004)
STA. 5+33.33

PT RAMP B
STA. 131+57.26

STA. 6+00 (A004)

120+00 (RAMP B)

125+00 (RAMP B)

130+00 (RAMP B)

5+00 (A004)

SEC 04
T14N R02W

Preliminary Plans

Preliminary

DESIGN	AKS	11/17
DRAWN	TML	11/17
CHECKED	JES	6/18
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

GEOMETRIC LAYOUT
(SHEET 2 OF 12)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R002

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

SCALE 0 50 100 150

SEC 04 T14N R02W

SEC 33 T15N R02W

135+00 (RAMP A)

5+00 (A003)

140+00 (RAMP C)

10+00 (A006)

145+00 (RAMP C)

PI (A002) STA. 21+82.93

℄ FRONTAGE

PI (A003) 1+61.05

E-S TURNOUT >

EB WATERLOO >

SURVEY ℄ (A002)

WATERLOO C.R.L.

WB WATERLOO >

E-W 89

SECTION LINE

PI (A006) 11+33.68

PT (A002) STA. 22+89.87

℄ RAMP A

℄ RAMP C

SURVEY ℄ (A003)

SURVEY ℄ (A006)

S-5

S-12

S-W TURNOUT >

122

123

133

121

134

135

W-S TURNOUT >

℄ SFLY A-1

℄ SFLY A-2

℄ SFLY C-1

S-E TURNOUT >

466.52' S16°23'04.98"E

857.54' N16°01'50.00"W

823.24' N15°58'10.00"E

499.30' S15°39'17.65"W

STA. 7+00 (A003)

135+00 (A001)

PT (A003) STA. 3+20.00

140+00 (A001)

25+00 (A002)

145+00 (A001)

STA. 5+33.35 (A006)

℄ RAMP C

STA. 132+12 (A001)

C.R.L. I-35 10300.00' N00°22'05.31"W

SURVEY ℄ (A001)

11000.00' N00°22'05.31"W

2638.51' N-S 313.5 1/4 SECTION LINE N89°07'44.36"W

118

117

119

116

120

2649.54' N89°34'24.64"E

132

STA. 147+12 (A001)

STA. 6+00 (A004)

℄ RAMP B

℄ RAMP D

SURVEY ℄ (A004)

SURVEY ℄ (A005)

499.30' N15°36'33.01"E

807.05' N15°58'10.00"E

867.97' N16°01'50.00"W

466.52' N16°21'05.94"W

STA. 8+00 (A005)

PC (A005) STA. 7+86.52

S-8

S-9

124

129

128

127

126

131

130

125

135+00 (RAMP B)

10+00 (A004)

℄ INDUSTRIAL

PI (A004) 11+93.68

N-E TURNOUT >

N-W TURNOUT >

E-N TURNOUT >

PT (A005) STA. 3+20.00

PI (A005) 1+61.05

30+00 (A002)

PC (A002) STA. 30+33.35

5+00 (A005)

145+00 (RAMP D)

PI (A002) STA. 31+42.31

SEC 04 T14N R02W

SEC 33 T15N R02W

Preliminary Plans

DESIGN	AKS	11/17
DRAWN	TML	11/17
CHECKED	JES	6/18
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

GEOMETRIC LAYOUT (SHEET 3 OF 12)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R003

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

SCALE 0 50 100 150

STA. 5+00 (A006) 00- (A00

PC RAMP C STA. 147+12.10

SURVEY ℄ (A006)

℄ RAMP C

R-3

S-11

PI (A006) 2+69.41

150+00 (A001)
150+00 (RAMP C)

PT RAMP C STA. 150+38.85

136

800.00'
N00°22'05.31"W

137

155+00 (A001)
155+00 (RAMP C)

SEC 33
T15N R02W

PI RAMP C STA. 158+38.85

200.36'
N03°03'55.76"E

℄ RAMP C

139

160+00 (A001)
160+00 (RAMP C)

STA. 147+12 (A001)

C.R.L. I-35

SURVEY ℄ (A001)

10300.00'
N00°22'05.31"W

℄ RAMP D STA. 149+16.06

PI RAMP C STA. 148+76.58

N-S 313.5 1/4 SECTION LINE

2638.51'
S00°05'01.62"W

C.R.L. I-35

SURVEY ℄ (A001)

STA. 162+12 (A001)

138

780.00'
N00°22'05.31"W

801.09'
N03°13'05.94"W

138A

300.24'
N02°39'31.50"W

℄ RAMP D

140

R-4

867.97'
N16°01'50.00"W

SURVEY ℄ (A005)

S-10

STA. 8+00 (A005)

PC RAMP D STA. 147+58.45

PI (A005) 9+18.43

10+00 (A005)

PT (A005) STA. 10+49.19

150+00 (RAMP D)

PT RAMP D STA. 150+71.70

15+00 (A005)

15+00 (RAMP D)

SEC 33
T15N R02W

PI RAMP D STA. 158+51.70

160+00 (RAMP D)

Preliminary Plans

SCALE 0 50 100 150

165+00 (A001)

2626.39'
N89°27'02.21"E

SEC 33
T15N R02W

170+00 (A001)

175+00 (A001)

STA. 162+12 (A001)

C.R.L. I-35

10300.00'
N00°22'05.31"W

SURVEY ℄ (A001)

2638.51'
S00°05'01.62"W

N-S 313.5
1/4 SECTION LINE

2638.11'
N00°14'08.23"E

SURVEY ℄ (A001)

C.R.L. I-35

STA. 177+00 (A001)

141

142

143

144

145

E-W 88.5
1/4 SECTION LINE

SEC 33
T15N R02W

DESIGN	AKS	11/17
DRAWN	TML	11/17
CHECKED	JES	6/18
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

GEOMETRIC LAYOUT
(SHEET 4 OF 12)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R004

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025

0 50 100 150
SCALE

SEC 33
T15N R02W

145

N-S 313.5
1/4 SECTION LINE

2638.11'
N00°14'08.2285"E

Preliminary Plans

SEC 33
T15N R02W

2609.58'
E-W 88
SECTION LINE

S89°25'55.4975"W

146

N-S 313.5
1/4 SECTION LINE

DESIGN	AKS	11/17
DRAWN	TML	11/17
CHECKED	JES	6/18
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

GEOMETRIC LAYOUT
(SHEET 5 OF 12)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R005

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025

SCALE 0 50 100 150

15+00 (A002B)

20+00 (A002B)

SEC 32
T15N R02W

SEC 33
T15N R02W

SURVEY ℄ (A007)

40+00

N-S 313 SECTION LINE

201

SURVEY ℄ (A002B)

2200.00'
N89°34'22.65"E

E-W 89 SECTION LINE

2656.45'
N89°41'17.85"E

205

WATERLOO C.R.L.

209

2649.54'
N89°34'24.64"E

354.35'
N89°34'22.65"E

2200.00'
N89°34'22.65"E

WATERLOO C.R.L.
SURVEY ℄ (A002B)

STA. 25+00 (A002B)

202

206

207

PI
STA. 42+54.35

210

SURVEY ℄ (A007)

SEC 05
T14N R02W

SEC 04
T14N R02W

Preliminary Plans

45+00

30+00 (A002B)

50+00

SEC 33
T15N R02W

55+00
15+00 (A002)

SCALE 0 50 100 150

WATERLOO C.R.L.
SURVEY ℄ (A002B)

525.22'
N87°56'10.97"E

E-W 89 SECTION LINE

2200.00'
N89°34'22.65"E

SURVEY ℄ (A002B)

213

SURVEY ℄ (A002)

565.38'
N89°34'22.64"E

847.37'
N89°34'22.65"E

214

WATERLOO WB ℄
126.93'
N89°34'22.65"E

414

WBBL-1

C-1 WATERLOO C.R.L.

WATERLOO EB ℄
126.93'
N89°34'22.65"E

EBBL-1

S-1

SURVEY ℄ (A002)

215

216

217

218

PC WBBL
STA. 1+26.93

PI (A002)
STA. 16+73.57

PI
STA. 57+94.60

STA. 18+00 (A002)

PC (A002)
STA. 15+65.38

PC EBBL
STA. 1+26.93

SURVEY ℄ (A008)

BOUCHER ℄
STA. 56+26.93

PT (A002)
STA. 17+81.13

N-S 313.25
1/16 SECTION LINE

SEC 04
T14N R02W

DESIGN	AKS	11/17
DRAWN	TML	11/17
CHECKED	JES	6/18
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

GEOMETRIC LAYOUT
(SHEET 6 OF 12)

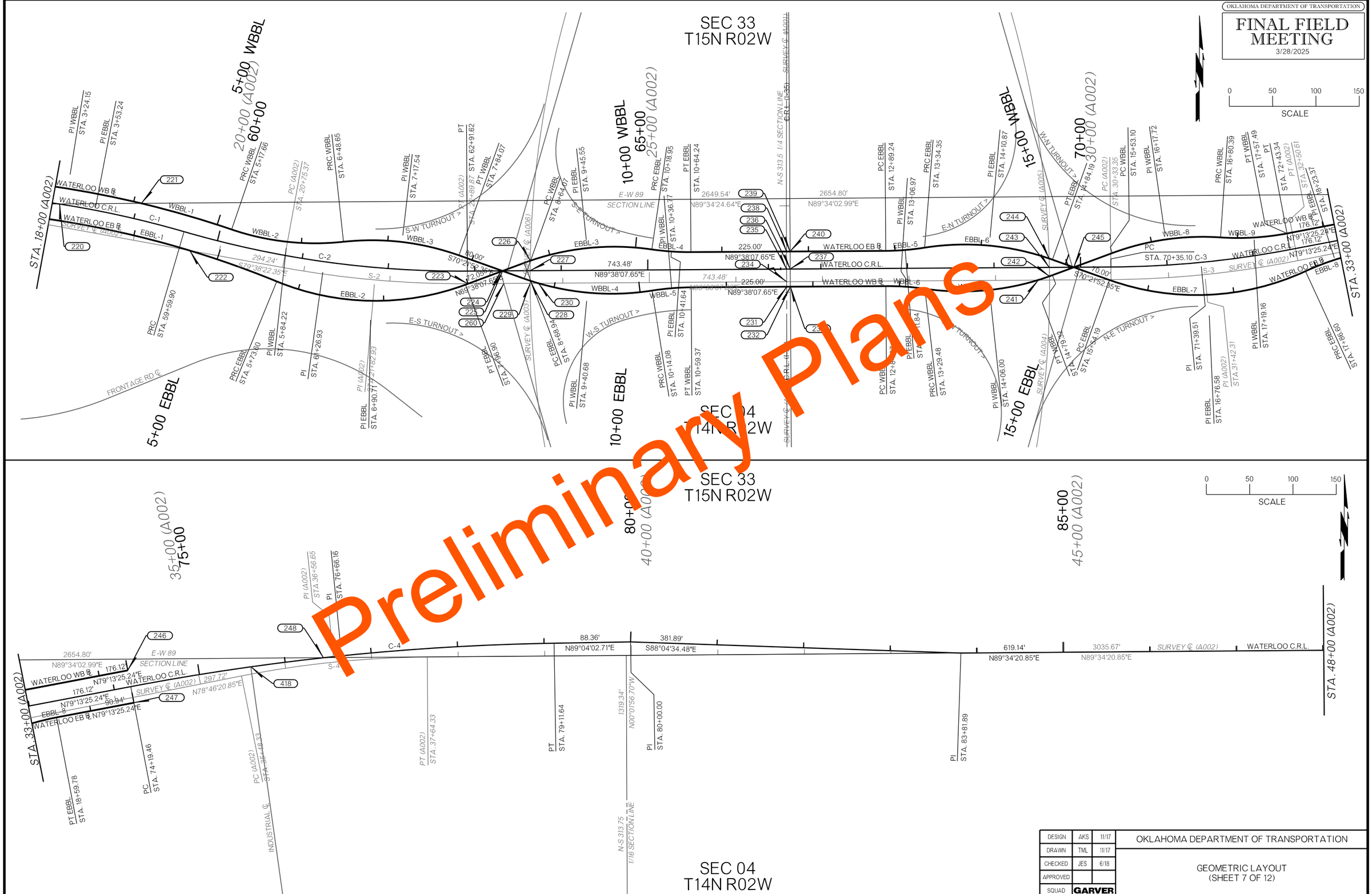
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R006

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025



Preliminary Plans

DESIGN	AKS	11/17
DRAWN	TML	11/17
CHECKED	JES	6/18
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

GEOMETRIC LAYOUT
(SHEET 7 OF 12)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R007

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025

0 50 100 150
SCALE

SEC 33
T15N R02W

90+00
50+00 (A002)

55+00 (A002)

60+00 (A002)

STA 48+00 (A002)

258

WATERLOO C.R.L.

619.14'
N89°34'20.85"E

SURVEY ℄ (A002)

3035.67'
N89°34'20.85"E

54.13'
N00°25'39.15"W

2639.57'
N00°12'21.45"W

843.48'
N00°16'43.25"W

259

SEC 04
T14N R02W

Preliminary Plans

DESIGN	AKS	11/17
DRAWN	TML	11/17
CHECKED	JES	6/18
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

GEOMETRIC LAYOUT
(SHEET 8 OF 12)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R008

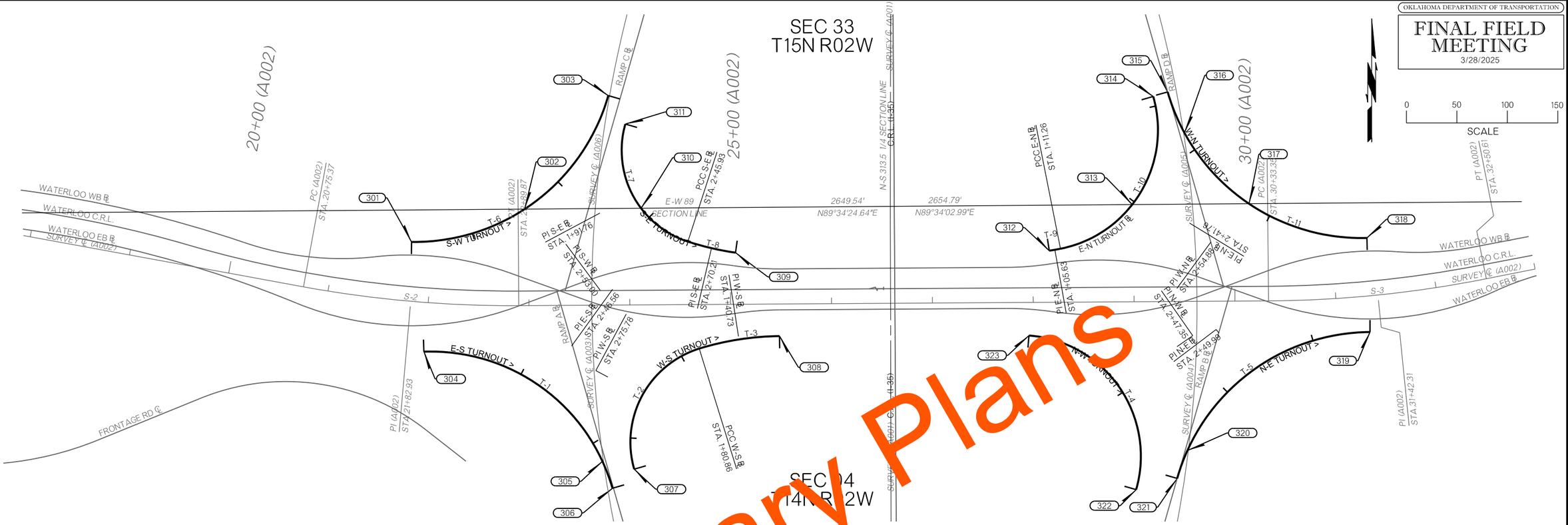
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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

SCALE 0 50 100 150



Preliminary Plans

DESIGN	AKS	11/17
DRAWN	TML	11/17
CHECKED	JES	6/18
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

GEOMETRIC LAYOUT
(SHEET 9 OF 12)

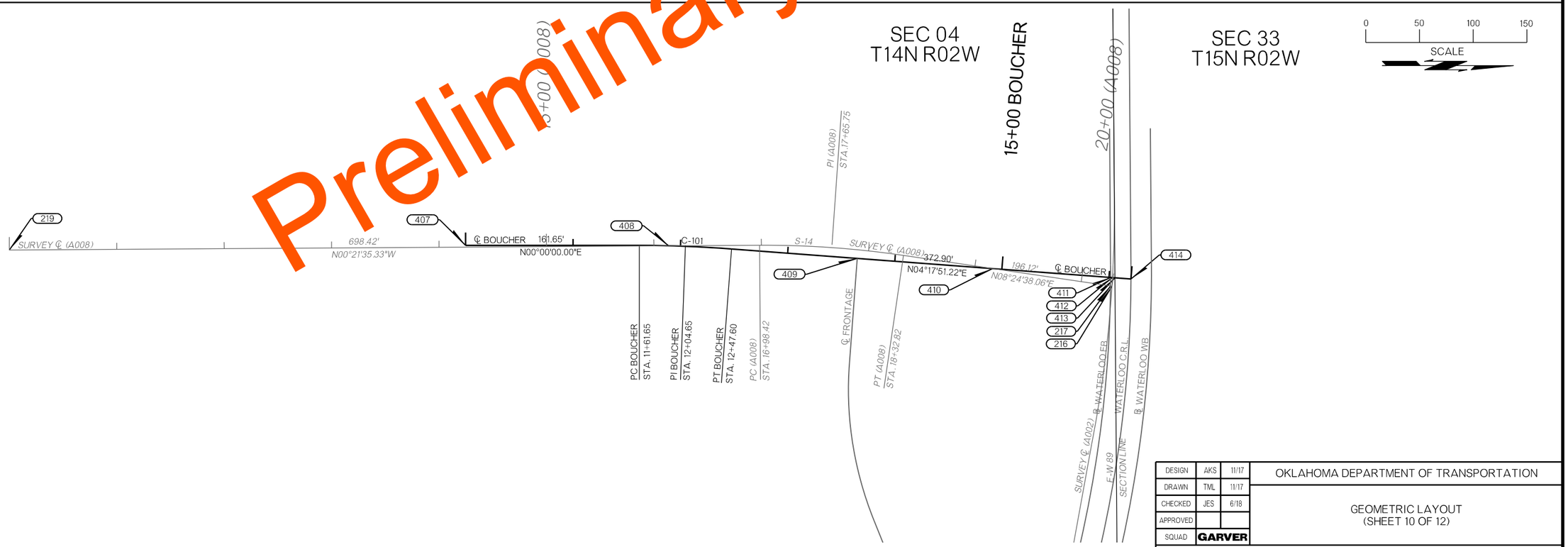
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R009

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025

Preliminary Plans



DESIGN	AKS	11/17
DRAWN	TML	11/17
CHECKED	JES	6/18
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

GEOMETRIC LAYOUT
(SHEET 10 OF 12)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R010

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

SCALE 0 50 100 150

SEC 33
T15N R02W

WATERLOO C.R.L.
WATERLOO WB
WATERLOO EB
SURVEY ℄ (A002)
RAMP C
RAMP A
SURVEY ℄ (A003)
E-S TURNOUT
PI FRONTAGE STA. 14+88.77

SURVEY ℄ (A008)
℄ BOUCHER
N08°24'38.06"E 196.12'
N00°21'35.33"W 698.42'
410
409
408
℄ FRONTAGE 97.81'
S85°42'08.78"E
C-105
N67°51'12.06"E 110.33'
C-106
℄ FRONTAGE 50.15'
S61°52'15.64"E
415
PC FRONTAGE STA. 10+97.81
PI FRONTAGE STA. 11+74.17
PT FRONTAGE STA. 12+71.81
PC FRONTAGE STA. 13+58.15
PT FRONTAGE STA. 15+94.85
15+00 FRONTAGE

SEC 04
T14N R02W

E-W 89
SECTION LINE
WATERLOO C.R.L.
SURVEY ℄ (A002)
2654.79'
N89°34'02.99"E
418
20+00 INDUSTRIAL
℄ INDUSTRIAL
285.43'
N07°57'55.55"W
PT INDUSTRIAL STA. 17+64.76
PI INDUSTRIAL STA. 16+52.82
C-108
PC INDUSTRIAL STA. 14+81.97
354.50'
N73°02'54.81"E
C-107
PI INDUSTRIAL STA. 10+64.71
℄ INDUSTRIAL
416
PT INDUSTRIAL STA. 11+27.47
15+00 INDUSTRIAL

SEC 04
T14N R02W

Preliminary Plans

DESIGN	AKS	11/17
DRAWN	TML	11/17
CHECKED	JES	6/18
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

GEOMETRIC LAYOUT
(SHEET 11 OF 12)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R011

3/28/2025 9:14:26 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_GEO_012.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

SCALE 0 50 100 150

SEC 04 T14N R02W

SEC 33 T15N R02W

5+00 (A003)

10+00 (A006)

STA. 7+00 (A003)

135+00

140+00

145+00

STA. 132+12 (A001)

STA. 147+12 (A001)

STA. 6+00 (A004)

STA. 8+00 (A005)

10+00 (A004)

5+00 (A005)

SURVEY ℄ (A003)

SURVEY ℄ (A006)

SURVEY ℄ (A001)

SURVEY ℄ (A004)

SURVEY ℄ (A005)

℄ RAMP A

℄ RAMP B

℄ RAMP C

℄ RAMP D

℄ SHOO-FLY 1

℄ FRONTAGE

℄ INDUSTRIAL

C.R.L. I-35

EB WATERLOO >

WB WATERLOO >

SURVEY ℄ (A002)

WATERLOO C.R.L.

E-W 89 SECTION LINE

PI (A003) 1+61.05

PI (A006) 11+93.68

PI (A004) 11+93.68

PI (A005) 1+61.05

PI (A002) STA. 31+42.31

S-5

S-12

S-8

S-9

E-S TURNOUT >

W-S TURNOUT >

S-E TURNOUT >

S-W TURNOUT >

N-W TURNOUT ℄

E-N TURNOUT >

N-E TURNOUT >

W-N TURNOUT >

℄ SFLY A-1 266.09' N00°21'52.35"W

℄ SFLY A-2 466.52' S16°23'04.98"E

℄ SFLY A-3 145.78' N29°16'03.02"E

℄ SFLY C-1 354.29' N02°38'07.65"E

℄ SHOO-FLY 1 1150.00' N00°22'05.31"W

N-S 313.5 1/4 SECTION LINE

2649.54' N89°31'24.64"E

2654.80' N89°34'02.99"E

℄ SFLY B-2 90.00' N00°21'52.35"W

℄ SFLY B-1 261.99' N00°21'52.35"W

℄ RAMP B 499.30' N15°36'33.01"E

℄ RAMP C 499.30' S15°39'17.65"W

℄ RAMP D 466.52' N16°21'05.94"W

PC SFLY A-2 STA. 60+00.00

PI SFLY A-2 STA. 60+96.81

PI SFLY A-1 50+68.78

PI SFLY A-2 61+69.44

PT SFLY A-2 STA. 62+20.70

PI SFLY A-3 71+09.47

PC SFLY A-1 STA. 50+00.00

PT SFLY A-1 STA. 51+36.71

PC SFLY A-3 STA. 70+00.00

PT SFLY A-3 STA. 72+12.19

PT (A003) STA. 3+72.88

PC SFLY C-1 STA. 53+54.29

PT SFLY C-1 STA. 54+70.65

PI SFLY C-1 54+12.74

PC SFLY B-2 STA. 60+00.00

PI SFLY B-1 50+71.76

PC SFLY B-1 STA. 50+00.00

PI SFLY B-2 61+13.24

PT SFLY B-1 STA. 51+42.54

PT SFLY B-2 STA. 62+19.03

PI SFLY B-2 62+?

PT SFLY B-2 STA. 63+38.29

PT (A005) STA. 3+20.00

PC (A005) STA. 7+86.52

STA. 5+33.33 (A006)

SF-1 SF-2 SF-3 SF-4 SF-5 SF-6 SF-7 SF-8

428 429 430 431 432 433 434 435 436 437 438 439 440 441 442

116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135

Preliminary Plans

DESIGN	AKS	11/17	OKLAHOMA DEPARTMENT OF TRANSPORTATION
DRAWN	TML	11/17	
CHECKED	JES	6/18	GEOMETRIC LAYOUT (SHEET 12 OF 12)
APPROVED			
SQUAD	GARVER		

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R012

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

POINT	DESCRIPTION	ALIGNMENT	STATION	OFFSET	DESCRIPTION	INTERSECTING FEATURE	STATION	OFFSET	NORTHING	EASTING
101	P.O.B.	C.R.L. I-35	67+00.00	0.00		SURVEY (A002)	26+63.29	7212.36 RT	257232.76	2141814.65
102		C.R.L. I-35	87+12.03	0.00	SEC. LINE	E-W 90			259244.75	2141801.72
103	P.O.B.	SURVEY (A001)	67+00.00	0.00		SURVEY (A002)	26+63.28	7212.36 RT	257232.76	2141814.65
104	P.O.B.	RAMP A	102+30.03	0.00		SURVEY (A001)	102+30.03	37.06 LT	260762.47	2141754.91
105	P.O.B.	RAMP B	102+30.03	0.00		SURVEY (A001)	102+30.03	37.06 RT	260762.95	2141829.03
106		RAMP A	113+55.47	0.00	QTR. SEC. LINE	E-W 89.5			261887.58	2141735.68
107	QTR. SEC. LINE	N-S 313.5			QTR. SEC. LINE	E-W 89.5			261888.13	2141769.86
108		SURVEY (A001)	113+55.72	0.00	QTR. SEC. LINE	E-W 89.5			261888.38	2141784.74
109		C.R.L. I-35	113+55.72	0.00	QTR. SEC. LINE	E-W 89.5			261888.38	2141784.74
110		RAMP B	113+56.45	0.00	QTR. SEC. LINE	E-W 89.5			261889.18	2141833.80
111	P.O.E.	SURVEY (A003)	18+50.28	0.00		SURVEY (A001)	120+89.51	44.00 LT	262621.87	2141736.02
112		SURVEY (A003)	15+11.08	0.00		RAMP A	124+28.76	0.00	262960.53	2141716.79
113	P.O.B.	SURVEY (A004)	0+00.00	0.00		SURVEY (A001)	125+89.99	44.00 RT	263122.91	2141820.81
114		SURVEY (A004)	2+57.11	0.00		RAMP B	128+46.82	0.00	263379.36	2141836.34
115		SURVEY (A001)	139+12.36	0.00		SURVEY (A002)	26+62.84	0.00	264444.97	2141768.31
116		C.R.L. I-35	139+12.36	0.00		SURVEY (A002)	26+62.84	0.00	264444.97	2141768.31
117		C.R.L. I-35	140+08.33	0.00		SURVEY (A001)	140+08.33	0.00	264540.94	2141767.69
118	QTR. SEC. LINE	N-S 313.5			SEC. LINE	E-W 89			264540.91	2141763.88
119		C.R.L. I-35	140+08.33	0.00	SEC. LINE	E-W 89			264540.94	2141767.69
120		SURVEY (A001)	140+08.33	0.00	SEC. LINE	E-W 89			264540.94	2141767.69
121		RAMP A	138+03.31	0.00		SURVEY (A003)	1+39.69	0.00	264303.77	2141477.23
122	P.O.E.	RAMP A	139+63.09	0.00		CRL WATERLOO	63+29.47	0.00	264457.33	2141433.10
123	P.O.B.	RAMP C	138+88.86	0.00		CRL WATERLOO	63+37.68	0.00	264457.39	2141441.32
124		RAMP B	138+14.51	0.00		SURVEY (A004)	12+23.10	0.00	264317.57	2142061.35
125	P.O.E.	RAMP B	139+64.32	0.00		CRL WATERLOO	69+98.94	0.00	264461.59	2142102.57
126	P.O.B.	RAMP D	138+90.48	0.00		CRL WATERLOO	69+90.53	0.00	264461.54	2142094.15
127		SURVEY (A005)	0+96.44	0.00	SEC. LINE	E-W 89			264543.17	2142063.14
128	P.O.E.	SURVEY (A004)	13+52.63	0.00		SURVEY (A002)	29+62.31	0.00	264446.87	2142067.78
129	P.O.B.	SURVEY (A005)	0+00	0.00		SURVEY (A002)	29+62.31	0.00	264446.87	2142067.78
130		RAMP D	139+75.48	0.00	SEC. LINE	E-W 89			264543.23	2142070.68
131		RAMP D	140+19.60	0.00		SURVEY (A005)	1+39.17	0.00	264585.64	2142058.49
132		SURVEY (A001)	144+91.48	0.00	QTR. SEC. LINE	N-S 313.5			265024.08	2141764.59
133		RAMP C	139+73.42	0.00	SEC. LINE	E-W 89			264538.69	2141464.58
134		SURVEY (A006)	12+56.84	0.00	SEC. LINE	E-W 89			264538.74	2141471.74
135		RAMP C	140+09.05	0.00		SURVEY (A006)	12+22.51	0.00	264572.94	2141474.38
136		RAMP C	150+95.91	0.00		SURVEY (A006)	138.36	0.00	265628.55	2141711.64
137	P.O.B.	SURVEY (A006)	0+00.00	0.00		SURVEY (A001)	152+34.52	44.00 LT	265766.82	2141715.82
138A		RAMP D	156+33.43	0.00		SURVEY (A005)	17+48.47	0.00	266166.56	2141806.31
138	P.O.E.	SURVEY (A005)	18+50.28	0.00		SURVEY (A001)	157+35.35	44.00 RT	266268.21	2141800.60
139	P.O.E.	RAMP C	160+39.21	0.00		SURVEY (A001)	160+39.21	37.06 LT	266571.54	2141717.58
140	P.O.E.	RAMP D	161+51.94	0.00		SURVEY (A001)	161+51.94	37.06 RT	266684.74	2141790.98
141		C.R.L. I-35	166+46.70	0.00		QTR. SEC. LINE	E-W 88.5		267179.25	2141750.74
142		SURVEY (A001)	166+46.70	0.00		QTR. SEC. LINE	E-W 88.5		267179.25	2141750.74
143	QTR. SEC. LINE	N-S 313.5				QTR. SEC. LINE	E-W 88.5		267179.42	2141767.74
144	P.O.E.	C.R.L. I-35	177+00.00	0.00		SURVEY (A001)	177+00.00	0.00	268232.53	2141743.98
145	P.O.E.	SURVEY (A001)	177+00.00	0.00		SURVEY (A002)	26+62.60	3787.64 RT	268232.53	2141743.98
146	QTR. SEC. LINE	N-S 313.5			SEC. LINE	E-W 88			269816.90	2141778.59

POINT	DESCRIPTION	ALIGNMENT	STATION	OFFSET	DESCRIPTION	INTERSECTING FEATURE	STATION	OFFSET	NORTHING	EASTING
201	P.O.B.	SURVEY (A002B)	10+00.00	0.00		SURVEY (A001)	140+04.37	3855.14 LT	264512.21	2137912.61
202	P.O.B.	WATERLOO CRL	39+00.00	0.00		SURVEY (A002B)	21+00.00	0.00	264520.41	2139012.58
205		SURVEY (A002B)	21+89.82	0.00		SURVEY (A007)	263+59.21	0.00	264521.08	2139102.40
206		WATERLOO CRL	39+89.76	0.00		SURVEY (A02B)	21+89.82	0.00	264521.08	2139102.40
207		WATERLOO CRL	40+01.78	0.00	SEC. LINE	N-S 313			264521.17	2139114.42
208		SURVEY (A002B)	22+01.84	0.00	SEC. LINE	N-S 313			264521.17	2139114.42
209		SEC. LINE	N-S 313		SEC. LINE	E-W 89			264521.19	2139114.42
210		SURVEY (A007)	261+44.86	0.00	SEC. LINE	N-S 313			264307.25	2139115.66
212	P.O.E.	SURVEY (A007)	273+07.27	0.00		SURVEY (A002B)	19+93.09	527.06 LT	265446.65	2138898.77
213	P.O.E.	SURVEY (A002B)	32+00.00	0.00		SURVEY (A002)	10+00.00	0.00	264528.61	2140112.55
214	P.O.B.	WATERLOO WB	0+00.00	0.00		SURVEY (A002)	14+95.85	34.00 LT	264566.33	2140612.13
215	P.O.B.	WATERLOO EB	0+00.00	0.00		SURVEY (A002)	14+95.85	4.00 RT	264528.33	2140612.42
216		SURVEY (A002)	16+46.53	0.00	P.O.E.	SURVEY (A008)	20+28.94	0.00	264530.55	2140759.01
217		WATERLOO EB	1+46.41	0.00		SURVEY (A008)	20+27.63	0.00	264529.26	2140758.82
218		WATERLOO EB	1+70.97	0.00		SURVEY (A002)	16+70.96	0.00	264528.75	2140783.38
219	P.O.B.	SURVEY (A008)	10+00.00			SURVEY (A002)	17+98.24	1023.59 RT	263504.20	2140725.29
220		WATERLOO CRL	58+12.50	0.00	SEC. LINE	E-W 89			264534.66	2140924.07
221		WATERLOO WB	4+09.05	0.00	SEC. LINE	E-W 89			264535.37	2141018.67
222		SURVEY (A002)	19+66.06	0.00		WATERLOO EB	4+66.80	0.00	264480.91	2141074.45
223		SURVEY (A002)	22+90.66	0.00		WATERLOO EB	8+00.05	0.00	264442.60	2141396.15
224		WATERLOO EB	8+39.75	0.00		RAMP A CL	139+62.13	0.00	264456.42	2141433.37
225		CRL WATERLOO	63+32.26	0.00		WATERLOO EB	8+42.44	0.00	264457.35	2141435.89
		CRL WATERLOO	63+32.26	0.00		WATERLOO WB	8+37.57	0.00	264457.35	2141435.89
		WATERLOO WB	8+37.57	0.00		WATERLOO EB	8+42.44	0.00	264457.35	2141435.89
226		WATERLOO EB	8+76.73	0.00		SURVEY (A006)	13+26.50	0.00	264469.[illegible]	2141[illegible].07
227		SURVEY (A006)	13+38.13	0.00		CRL WATERLOO	63+64.16	0.00	264457.[illegible]	2141[illegible]
228		SURVEY (A006)	13+49.62	0.00		WATERLOO WB	8+71.[illegible]	0.00	264446.07	2141467.[illegible]
229		SURVEY (A002)	23+62.31	0.00	P.O.E.	SURVEY (A006)	13+[illegible].63	0.00	264443.05	2141467.[illegible]
		SURVEY (A002)	23+62.31	0.00	P.O.B.	SURVEY (A003)	0+00.00	0.00	264[illegible]3.05	2141[illegible].79
	P.O.B.	SURVEY (A003)	0+00.00	0.00	P.O.E.	SURVEY (A006)	13+[illegible].63	0.00	264[illegible]3.05	2141467.79
230		SURVEY (A002)	23+71.79	0.00		WATERLOO WB	8+[illegible].[illegible]	0.00	264447.[illegible]	2141477.27
231		WATERLOO WB	11+69.12	0.00	QTR. SEC. LINE	N-S 313.5			264439.11	2141764.11
232		WATERLOO WB	11+73.96	0.00		SURVEY (A001)	139+06.5[illegible]	0.00	264439.13	2141768.35
233		WATERLOO WB	11+73.96	0.00		CRL I[illegible]	139+06.52	0.00	264439.13	2141768.35
234		SURVEY (A002)	26+58.06	0.00	QTR. SEC. [illegible]	N-S 313.[illegible]			264444.94	2141764.10
235		CRL WATERLOO	66+60.44	0.00	QTR. SE[illegible] LINE	N-S 313.[illegible]			264459.44	2141764.07
236		CRL WATERLOO	66+64.59	0.00		SURVEY (A[illegible])	139+26.86	0.00	264459.47	2141768.22
237		CRL WATERLOO	66+64.59	0.00		CRL I[illegible]	139+26.86	0.00	264459.47	2141768.22
238		WATERLOO EB	11+74.40	0.00	QTR. SEC. LINE	N-S 313.5			264479.77	2141764.02
239		WATERLOO EB	11+78.83	0.00		SURVEY (A0[illegible])	139+47.19	0.00	264479.80	2141768.09
240		WATERLOO EB	11+78.83	0.00		CRL I-[illegible]	139+47.19	0.00	264479.80	2141768.09
241		WATERLOO [illegible]	14+[illegible].87	0.00		SURVEY (A002)	29+49.18	0.00	264446.79	2142054.65
242		WATERLOO [illegible]	14+75.[illegible]	0.00		SURVEY (A005)	0+04.27	0.00	264451.14	2142067.77
243		CRL WATERL[illegible]	69+63.9[illegible]	0.00		SURVEY (A005)	0+14.50	0.00	264461.37	2142067.60
244		WA[illegible]O EB	14+80.42	0.00		SURVEY (A005)	0+24.78	0.00	264471.65	2142067.50
		WATE[illegible]O EB	15+10.54	0.00		WATERLOO WB	15+05.67	0.00	264461.55	2142095.88
245		[illegible]TERL[illegible] WB	15+05.67	0.00		CRL WATERLOO	69+92.26	0.00	264461.55	2142095.88
		WATERLO[illegible] EB	15+10.54	0.00		CRL WATERLOO	69+92.26	0.00	264461.55	2142095.88
[illegible]	P.O.[illegible]	WA[illegible]RLOO WB	19+33.61	0.00		SURVEY (A002)	34+20.58	31.89 LT	264533.60	2142515.15
24[illegible]	P.O.[illegible]	WATERLOO EB	19+50.71	0.00		SURVEY (A002)	34+20.28	6.11 RT	264496.27	2142522.26
248		CRL WATERLOO	76+44.48	0.00	SEC. LINE	E-W 89			264548.29	2142741.18
258	P.O.E.	CRL WATERLOO	90+01.03	0.00		SURVEY (A002)	50+00.00	0.00	264558.32	2144096.87
259	P.O.E.	SURVEY (A002)	65+00.00	0.00		SURVEY (A001)	140+12.30	3829.23 RT	264569.51	2145596.83
260		RAMP A	139+48.03	0.00		SURVEY (A002)	23+31.78	0.00	264442.86	2141437.26

POINT	DESCRIPTION	ALIGNMENT	STATION	OFFSET	DESCRIPTION	INTERSECTING FEATURE	STATION	OFFSET	NORTHING	EASTING
301	P.O.E.	S-W BL	3+61.21	0.00		SURVEY (A002)	21+78.11	58.66 LT	264505.74	2141289.08
302		S-W BL	2+42.81	0.00	SEC. LINE	E-W 89			264538.21	2141401.15
303	P.O.B.	S-W BL	1+00.00	0.00		SURVEY (A006)	11+44.29	2.45 LT	264650.70	2141484.16
304	P.O.B.	E-S BL	1+00.00	0.00		SURVEY (A002)	21+99.32	48.73 RT	264396.99	2141301.33
305		E-S BL	3+20.17	0.00		SURVEY (A003)	1+55.12	0.00	264288.41	2141478.35
306	P.O.E.	E-S BL	3+48.61	0.00		SURVEY (A003)	1+83.00	5.86 LT	264261.77	2141488.25
307	P.O.E.	W-S BL	3+31.13	0.00		SURVEY (A003)	1+67.42	30.12 LT	264280.64	2141509.88
308	P.O.B.	W-S BL	1+00.00	0.00		SURVEY (A002)	25+48.25	31.83 RT	264412.40	2141653.93
309	P.O.E.	S-E BL	2+94.38	0.00		SURVEY (A002)	25+05.09	51.10 LT	264495.06	2141610.24
310		S-E BL	1+88.04	0.00	SEC. LINE	E-W 89			264539.07	2141516.66
311	P.O.B.	S-E BL	1+00.00	0.00		SURVEY (A006)	11+69.35	18.99 RT	264622.55	2141501.07
312	P.O.B.	E-N BL	1+00.00	0.00		SURVEY (A002)	28+16.24	51.07 LT	264497.01	2141921.39
313		E-N BL	1+96.54	0.00	SEC. LINE	E-W 89			264542.72	2142003.60
314	P.O.E.	E-N BL	3+09.81	0.00		SURVEY (A005)	2+08.60	24.71 LT	264649.83	2142024.44
315	P.O.E.	W-N BL	3+63.58	0.00		RAMP D	140+91.13	0.00	264654.39	2142038.74
316		W-N BL	3+19.43	0.00		SURVEY (A005)	1+67.38	0.00	264613.65	2142055.49
317		W-N BL	2+23.67	0.00	SEC. LINE	E-W 89			264543.60	2142119.44
318	P.O.B.	W-N BL	1+00.00	0.00		SURVEY (A002)	31+36.56	57.34 LT	264509.69	2142236.33
319	P.O.E.	N-E BL	3+57.39	0.00		SURVEY (A002)	31+30.82	35.79 RT	264416.44	2142239.41
320		N-E BL	1+29.38	0.00		SURVEY (A004)	12+04.38	0.00	264299.02	2142058.28
321	P.O.E.	N-E BL	1+00.00	0.00		RAMP B	137+66.56	0.00	264271.47	2142048.16
322	P.O.B.	N-W BL	1+00.00	0.00		SURVEY (A004)	11+57.73	44.44 LT	264260.40	2142007.55
323	P.O.E.	N-W BL	3+12.96	0.00		SURVEY (A002)	27+95.46	32.74 RT	264413.08	2141901.15

POINT	DESCRIPTION	ALIGNMENT	STATION	OFFSET	DESCRIPTION	INTERSECTING FEATURE	STATION	OFFSET	NORTHING	EASTING
407	P.O.B.	BOUCHER	10+00.00	0.00					263928.92	2140721.10
408		BOUCHER	11+89.09	0.00		SURVEY (A008)	16+13.83	0.00	264118.01	2140721.43
409	P.O.B.	FRONTAGE	10+00.00	0.00		BOUCHER	13+65.00	0.00	264293.51	2140733.12
410		BOUCHER	14+91.32	0.00		SURVEY (A008)	19+16.66	0.00	264419.48	2140742.59
411		BOUCHER	16+01.46	0.00		WATERLOO EB	1+38.43	0.00	264529.31	2140750.84
412		BOUCHER	16+03.19	0.00		SURVEY (A002)	16+38.47	0.00	264531.04	2140750.97
413		BOUCHER	16+05.54	0.00	SEC. LINE	E-W 89			264533.38	2140751.15
414	P.O.E.	BOUCHER	16+20.51	0.00		CRL WATERLOO	56+40.00	0.00	264548.30	2140752.27
415	P.O.E.	FRONTAGE	16+45.00	0.00					264288.47	2141342.92
416	P.O.B.	INDUSTRIAL	10+00.00	0.00					263871.19	2142107.54
417		INDUSTRIAL	20+41.77	0.00		SURVEY (A002)	35+60.41	0.00	264529.49	2142658.52
418	P.O.E.	INDUSTRIAL	20+50.19	0.00		CRL WATERLOO	75+60.00	0.00	264537.82	2142657.36
428	P.O.B.	SFLY A-1	50+00.00	0.00					264057.06	2141564.76
429	P.O.E.	SFLY A-1	54+02.80	0.00					264458.04	2141543.63
430	P.O.B.	SFLY A-2	60+00.00	0.00					264010.28	2141567.12
431	P.O.E.	SFLY A-2	62+20.70	0.00					264212.94	2141491.25
432	P.O.B.	SFLY A-3	70+00.00	0.00					264147.49	2141547.59
433	P.O.E.	SFLY A-3	73+57.97	0.00					264479.12	2141661.95
434	P.O.B.	SFLY B-1	50+00.00	0.00					264078.44	2141965.88
435	P.O.E.	SFLY B-1	54+04.53	0.00					264481.17	2141983.50
436	P.O.B.	SFLY B-2	60+00.00	0.00					264058.67	2141962.30
437	P.O.E.	SFLY B-2	64+28.29	0.00					264480.85	2141933.50
438	P.O.B.	SFLY C-1	50+00.00	0.00					264458.04	2141543.63
439	P.O.E.	SFLY C-1	54+70.65	0.00					264926.53	2141578.69
440	P.O.B.	SFLY 1	133+50.00	0.00		CRL I-35	133+50.00	0.00	263882.62	2141771.92
441		SFLY 1	139+26.86	0.00		CRL WATERLOO	66+64.59	0.00	264459.47	2141768.22
442	P.O.E.	SFLY 1	145+00.00	0.00		CRL I-35	145+00.00	0.00	265032.60	2141764.54

Preliminary Plans

DESIGN	AKS	11/17
DRAWN	TML	11/17
CHECKED	JES	6/18
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

GEOMETRIC LAYOUT
POINT LIST

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R013

3/28/2025 9:14:37 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_GEO_KEY.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

A001

CURVE NO.		STATION	Y (NORTH) (FEET)	X (EAST) (FEET)	RADIUS (FEET)	DELTA	DEGREE	ARC LENGTH (FEET)	TANGENT (FEET)	EXTERNAL (FEET)	V (MPH)	Emax (FT/FT)	S (%)
	POB	67+00.00	257232.76	2141814.65									
	POE	177+00.00	268232.53	2141743.98									

A002

CURVE NO.		STATION	Y (NORTH) (FEET)	X (EAST) (FEET)	RADIUS (FEET)	DELTA	DEGREE	ARC LENGTH (FEET)	TANGENT (FEET)	EXTERNAL (FEET)	V (MPH)	Emax (FT/FT)	S (%)
	POB	10+00.00	264528.61	2140112.55									
	PC	15+65.38	264532.82	2140677.91									
S-1	PI	16+73.57	264533.63	2140786.11	1145.92	10°47'15.01" RT	5°00'00.00"	215.75	108.19	5.10			
	PT	17+81.13	264514.17	2140892.54									
	PC	20+75.37	264461.25	2141181.98									
S-2	PI	21+82.93	264441.91	2141287.79	1145.92	10°43'29.99" LT	5°00'00.00"	214.50	107.56	5.04			
	PT	22+89.87	264442.59	2141395.35									
	PC	30+33.35	264447.32	2142138.82									
S-3	PI	31+42.31	264448.02	2142247.77	1145.92	10°51'46.81" LT	5°00'00.00"	217.26	108.96	5.17			
	PT	32+50.61	264469.23	2142354.64									
	PC	35+48.33	264527.20	2142646.67									
S-4	PI	36+56.65	264548.29	2142752.91	1145.92	10°48'00.00" RT	5°00'00.00"	216.00	108.32	5.11			
	PT	37+64.33	264549.10	2142861.23									
	POE	68+00.00	264571.75	2145896.82									

A002B

CURVE NO.		STATION	Y (NORTH) (FEET)	X (EAST) (FEET)	RADIUS (FEET)	DELTA	DEGREE	ARC LENGTH (FEET)	TANGENT (FEET)	EXTERNAL (FEET)	V (MPH)	Emax (FT/FT)	S (%)
	POB	10+00.00	264512.21	2137912.61									
	POE	32+00.00	264528.61	2140112.55									

A003

CURVE NO.		STATION	Y (NORTH) (FEET)	X (EAST) (FEET)	RADIUS (FEET)	DELTA	DEGREE	ARC LENGTH (FEET)	TANGENT (FEET)	EXTERNAL (FEET)	V (MPH)	Emax (FT/FT)	S (%)
	POB	0+00.00	264443.05	2141467.79									
	PC	0+00.00	264443.05	2141467.79									
S-5	PI	1+61.05	264282.01	2141467.87	1145.92	16°00'00.00" LT	5°00'00.00"	320.00	161.05	11.26			
	PT	3+20.00	264127.50	2141514.30									
	PC	7+86.52	263679.93	2141645.90									
S-6	PI	9+18.43	263553.37	2141683.11	1145.92	13°08'00.00" RT	5°00'00.00"	262.67	131.91	7.57			
	PT	10+49.19	263421.67	2141690.59									
	POE	18+50.28	262621.87	2141736.02									

A004

CURVE NO.		STATION	Y (NORTH) (FEET)	X (EAST) (FEET)	RADIUS (FEET)	DELTA	DEGREE	ARC LENGTH (FEET)	TANGENT (FEET)	EXTERNAL (FEET)	V (MPH)	Emax (FT/FT)	S (%)
	POB	0+00.00	263122.91	2141820.81									
	PC	0+00.00	263122.91	2141820.81									
S-7	PI	2+68.41	263391.32	2141818.98	1909.86	16°00'00.00" RT	3°00'00.00"	533.33	268.41	18.77			
	PT	5+33.33	263649.83	2141891.20									
	PC	10+32.63	264130.72	2142025.55									
S-8	PI	11+93.68	264285.83	2142068.88	1145.92	16°00'00.00" LT	5°00'00.00"	320.00	161.05	11.26			
	PT	13+52.63	264446.87	2142067.78									
	POE	13+52.63	264446.87	2142067.78									

A005

CURVE NO.		STATION	Y (NORTH) (FEET)	X (EAST) (FEET)	RADIUS (FEET)	DELTA	DEGREE	ARC LENGTH (FEET)	TANGENT (FEET)	EXTERNAL (FEET)	V (MPH)	Emax (FT/FT)	S (%)
	POB	0+00.00	264446.87	2142067.78									
	PC	0+00.00	264446.87	2142067.78									
S-9	PI	1+61.05	264607.92	2142066.79	1145.92	16°00'00.00" LT	5°00'00.00"	320.00	161.05	11.26			
	PT	3+20.00	264762.45	2142021.45									
	PC	7+86.52	265210.10	2141890.11									
S-10	PI	9+18.43	265336.68	2141852.98	1145.92	13°08'00.00" RT	5°00'00.00"	262.67	131.91	7.57			
	PT	10+49.19	265468.38	2141845.57									
	POE	18+50.28	266268.21	2141800.60									

A006

CURVE NO.		STATION	Y (NORTH) (FEET)	X (EAST) (FEET)	RADIUS (FEET)	DELTA	DEGREE	ARC LENGTH (FEET)	TANGENT (FEET)	EXTERNAL (FEET)	V (MPH)	Emax (FT/FT)	S (%)
	POB	0+00.00	265766.82	2141715.82									
	PC	0+00.00	265766.82	2141715.82									
S-11	PI	2+68.41	265498.41	2141737.44	1909.86	16°00'00.00" RT	3°00'00.00"	533.33	268.41	18.77			
	PT	5+33.33	265241.95	2141691.01									
	PC	10+32.63	264754.17	2141710.05									
S-12	PI	11+93.68	264604.[illegible]	2141466.[illegible]	1145.92	16°00'00.00" LT	5°00'00.00"	320.00	161.05	11.26			
	PT	13+52.63	264443.05	2141467.79									
	POE	13+52.63	264443.05	2141467.79									

A007

CURVE NO.		STATION	Y (NORTH) (FEET)	X (EAST) (FEET)	RADIUS (FEET)	DELTA	DEGREE	ARC LENGTH (FEET)	TANGENT (FEET)	EXTERNAL (FEET)	V (MPH)	Emax (FT/FT)	S (%)
	PC	251+74.00	263336.41	2139121.32									
	PC	261+44.86	264307.25	2139115.66									
[illegible]13	PI	263+58.80	264521.19	2139114.42	1909.86	12°47'00.00" LT	3°00'00.00"	426.11	213.94	11.95			
	PT	265+70.97	264729.55	2139065.87									
	POE	273+07.27	265446.65	2138898.77									

A008

CURVE NO.		STATION	Y (NORTH) (FEET)	X (EAST) (FEET)	RADIUS (FEET)	DELTA	DEGREE	ARC LENGTH (FEET)	TANGENT (FEET)	EXTERNAL (FEET)	V (MPH)	Emax (FT/FT)	S (%)
	POB	10+00.00	263504.20	2140725.29									
	PC	16+98.42	264202.61	2140720.90									
S-14	PI	17+65.75	264269.94	2140720.48	878.00	08°46'13.39" RT	6°31'32.60"	134.40	67.33	2.58			
	PT	18+32.82	264336.54	2140730.33									
	POE	20+28.94	264530.55	2140759.01									

A009

CURVE NO.		STATION	Y (NORTH) (FEET)	X (EAST) (FEET)	RADIUS (FEET)	DELTA	DEGREE	ARC LENGTH (FEET)	TANGENT (FEET)	EXTERNAL (FEET)	V (MPH)	Emax (FT/FT)	S (%)
	POB	10+00.00	263717.25	2144422.70									
	POE	18+43.48	264560.72	2144418.60									

A010

CURVE NO.		STATION	Y (NORTH) (FEET)	X (EAST) (FEET)	RADIUS (FEET)	DELTA	DEGREE	ARC LENGTH (FEET)	TANGENT (FEET)	EXTERNAL (FEET)	V (MPH)	Emax (FT/FT)	S (%)
	POB	10+00.00	264560.36	2144370.05									
	PC	10+54.13	264614.48	2144369.65									
S-15	PI	13+24.06	264884.41	2144367.64	7000.00	04°24'59.96" RT	00°49'06.64"	539.60	269.93	5.20			
	PT	15+93.72	265153.69	2144386.42									
	POE	18+79.84	265439.11	2144406.32									

Preliminary Plans

DESIGN	AKS	11/17	OKLAHOMA DEPARTMENT OF TRANSPORTATION
DRAWN	BWH	11/17	
CHECKED	JES	6/18	GEOMETRIC CURVE DATA (SHEET 1 OF 4)
APPROVED			
SQUAD	GARVER		

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R014

3/28/2025 9:14:44 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_GEO_CURVE DATA_001.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

CRL I-35

CURVE NO.	CARDINAL POINTS STATION		Y (NORTH) (FEET)	X (EAST) (FEET)	CURVE DATA RADIUS (FEET)	DELTA	DEGREE	ARC LENGTH (FEET)	TANGENT (FEET)	EXTERNAL (FEET)	V (MPH)	Emax (FT/FT)	S (%)
	POB	67+00.00	257232.76	2141814.65									
	POE	177+00.00	268232.53	2141743.98									

RAMP A BL

CURVE NO.	CARDINAL POINTS STATION		Y (NORTH) (FEET)	X (EAST) (FEET)	CURVE DATA RADIUS (FEET)	DELTA	DEGREE	ARC LENGTH (FEET)	TANGENT (FEET)	EXTERNAL (FEET)	V (MPH)	Emax (FT/FT)	S (%)
	POB	102+30.03	260762.47	2141754.91									
	PC	127+92.30	263324.06	2141714.45									
R-1	PI	129+49.91	263481.66	2141713.44	1145.92	15°39'44.69" LT	5°00'00.00"	313.25	157.61	10.79	55	0.06	6.0%
	PT	131+05.55	263633.14	2141669.91									
	POE	139+63.09	264457.33	2141433.10									

RAMP B BL

CURVE NO.	CARDINAL POINTS STATION		Y (NORTH) (FEET)	X (EAST) (FEET)	CURVE DATA RADIUS (FEET)	DELTA	DEGREE	ARC LENGTH (FEET)	TANGENT (FEET)	EXTERNAL (FEET)	V (MPH)	Emax (FT/FT)	S (%)
	POB	102+30.03	260762.95	2141829.03									
	PC	128+30.51	263363.05	2141836.33									
R-2	PI	129+95.00	263527.54	2141835.27	1145.92	16°20'15.31" RT	5°00'00.00"	326.75	164.49	11.75	55	0.06	6.0%
	PT	131+57.26	263685.68	2141880.53									
	POE	139+64.32	264461.59	2142102.57									

RAMP C BL

CURVE NO.	CARDINAL POINTS STATION		Y (NORTH) (FEET)	X (EAST) (FEET)	CURVE DATA RADIUS (FEET)	DELTA	DEGREE	ARC LENGTH (FEET)	TANGENT (FEET)	EXTERNAL (FEET)	V (MPH)	Emax (FT/FT)	S
	POB	138+88.86	264457.39	2141441.32									
	PC	147+12.10	265248.85	2141667.81									
R-3	PI	148+76.59	265407.00	2141713.07	1145.92	16°20'15.31" LT	5°00'00.00"	326.75	164.49	11.75	55	[illegible]	[illegible]0%
	PT	150+38.85	265571.49	2141712.01									
	POE	160+39.21	266571.54	2141717.58									

RAMP D BL

CURVE NO.	CARDINAL POINTS STATION		Y (NORTH) (FEET)	X (EAST) (FEET)	CURVE DATA RADIUS (FEET)	DELTA	DEGREE	ARC LENGTH (FEET)	TANGENT (FEET)	EXTERNAL (FEET)	V (MPH)	Emax (FT/FT)	S (%)
	POB	138+90.48	264461.54	2142094.15									
	PC	147+58.45	265295.76	2141854.46									
R-4	PI	149+16.06	265447.24	2141810.94	1145.92	15°39'44.69" RT	5°00'00.00"	[illegible]0.25	[illegible]7.61	10.79	55	0.06	6.0%
	PT	150+71.70	265604.84	2141809.92									
	POE	161+51.94	266684.74	2141790.98									

RD WATERLOO CRL

CURVE NO.	CARDINAL POINTS STATION		Y (NORTH) (FEET)	X (EAST) (FEET)	CURVE DATA RADIUS (FEET)	DELTA	DEGREE	ARC LENGTH (FEET)	TANGENT (FEET)	EXTERNAL (FEET)	V (MPH)	Emax (FT/FT)	S (%)
	POB	39+00.00	264507.35	2139012.64									
	PI	42+54.35	264523.05	2139366.99									
	PI	47+79.57	264541.96	2139891.86									
	PC	56+26.93	264548.28	2140739.20									
C-1	PI	57+94.60	264549.53	2140906.86	1145.92	16°38'54.72" RT	5°00'00.00"	332.97	167.67	12.20	45	0.02	NC
	PRC	59+59.90	264502.69	2141067.86									
	PRC	59+59.90	264502.69	2141067.86									
C-2	PI	61+26.93	264456.03	2141228.24	1145.92	16°35'09.72" LT	5°00'00.00"	331.72	167.03	12.11	45	0.02	NC
	PT	62+91.62	264457.09	2141395.26									
	PC	70+35.10	264461.82	2142138.73									
C-3	PI	71+39.51	264462.49	2142243.13	1145.92	10°24'42.41" LT	5°00'00.00"	208.24	104.41	4.75	45	0.02	NC
	PT	72+43.34	264482.01	2142345.69									
	PC	74+19.46	264514.94	2142518.70									
C-4	PI	76+66.16	264561.07	2142761.05	2864.79	10°20'55.61" RT	2°00'00.00"	517.44	259.43	11.72	45	0.02	NC
	PT	79+11.64	264565.08	2143007.72									
	PI	80+00.00	264566.52	2143096.07									
	PI	83+81.89	264553.70	2143477.74									
	POE	90+01.03	264558.32	2144096.87									

RD WATERLOO EBBL

CURVE NO.	CARDINAL POINTS STATION		Y (NORTH) (FEET)	X (EAST) (FEET)	CURVE DATA RADIUS (FEET)	DELTA	DEGREE	ARC LENGTH (FEET)	TANGENT (FEET)	EXTERNAL (FEET)	V (MPH)	Emax (FT/FT)	S (%)
	POB	00+00.00	264528.33	2140612.42									
	PC	1+26.93	264529.28	2140739.34									
EBBL-1	PI	3+53.24	264530.97	2140965.64	1126.92	22°42'35.49" RT	5°05'03.48"	446.67	226.30	22.50	25	0.02	NC
	PRC	5+73.60	264445.16	2141175.05									
	PRC	5+73.60	264445.16	2141175.05									
EBBL-2	PI	6+90.71	264400.75	2141283.41	300.00	42°38'50.49" LT	19°05'54.94"	223.30	117.11	22.05	25	0.02	NC
	PT	7+96.90	264441.50	2141393.20									
	PC	8+68.94	264466.57	2141460.74									
EBBL-3	PI	9+45.55	264493.23	2141532.56	300.00	28°38'57.86" RT	19°05'54.94"	150.01	76.61	9.63	25	0.02	NC
	PRC	10+18.95	264482.19	2141608.37									
	PRC	10+18.95	264482.19	2141608.37									
EBBL-4	PI	10+41.64	264478.93	2141630.82	300.00	[illegible]38'57.86" LT	19°05'54.94"	45.29	22.69	0.86	25	0.02	NC
	PT	10+64.24	264479.07	2141653.50									
	PC	12+89.24	264480.50	2141878.50									
EBBL-5	PI	13+11.84	264480.65	2141901.10	[illegible]00	8°36[illegible]7.96" LT	19°05'54.94"	45.11	22.60	0.85	25	0.02	NC
	PRC	13+34.35	264484.17	2141923.42									
	PRC	13+34.35	264[illegible]84.17	2141[illegible]3.42									
EBBL-6	PI	14+10.87	264[illegible]6.12	2141[illegible]00	300.00	28°36'57.96" RT	19°05'54.94"	149.83	76.51	9.60	25	0.02	NC
	PT	14+84[illegible]	264[illegible]41	2142071[illegible]									
	PC	[illegible]04.19	264446[illegible]	2142136.99									
EBBL-7	PI	1[illegible]6.58	264405.7[illegible]	2[illegible]32.26	300.00	44°23'14.85" LT	19°05'54.94"	232.41	122.39	24.00	25	0.02	NC
	PRC	17+[illegible]60	264457.00	2142363.41									
	PRC	17+80[illegible]	264457.00	2142363.41									
EBBL-8	PI	18+23.3[illegible]	264472.40	2142396.80	300.00	13°58'32.44" RT	19°05'54.94"	73.18	36.77	2.25	25	0.02	NC
	PT	18+59.78	264479.27	2142432.92									
	PRE	19+50.71	264496.27	2142522.26									

RD WATERLOO WBBL

CURVE NO.	CARDINAL POINTS STATION		Y (NORTH) (FEET)	X (EAST) (FEET)	CURVE DATA RADIUS (FEET)	DELTA	DEGREE	ARC LENGTH (FEET)	TANGENT (FEET)	EXTERNAL (FEET)	V (MPH)	Emax (FT/FT)	S (%)
	POB	00+00.00	264566.33	2140612.13									
	PC	1+26.93	264567.28	2140739.06									
WBBL-1	PI	3+24.15	264568.75	2140936.27	1164.92	19°13'03.75" RT	4°55'06.42"	390.73	197.22	16.58	25	0.02	NC
	PRC	5+17.66	264505.22	2141122.98									
	PC	5+17.66	264505.22	2141122.98									
WBBL-2	PI	5+84.22	264483.78	2141185.99	300.00	25°01'05.54" LT	19°05'54.94"	131.00	66.56	7.29	25	0.02	NC
	PRC	6+48.65	264491.00	2141252.15									
	PRC	6+48.65	264491.00	2141252.15									
WBBL-3	PI	7+17.54	264498.48	2141320.63	300.00	25°51'46.78" RT	19°05'54.94"	135.42	68.88	7.81	25	0.02	NC
	PT	7+84.07	264475.33	2141385.51									
	PC	8+64.07	264448.45	2141460.85									
WBBL-4	PI	9+40.68	264422.70	2141533.01	300.00	28°38'57.86" LT	19°05'54.94"	150.01	76.61	9.63	25	0.02	NC
	PRC	10+14.08	264434.71	2141608.67									
	PRC	10+14.08	264434.71	2141608.67									
WBBL-5	PI	10+36.77	264438.26	2141631.07	300.00	8°38'57.86" RT	19°05'54.94"	45.29	22.69	0.86	25	0.02	NC
	PT	10+59.37	264438.40	2141653.76									
	PC	12+84.37	264439.84	2141878.76									
WBBL-6	PI	13+06.97	264439.98	2141901.36	300.00	8°36'57.96" RT	19°05'54.94"	45.11	22.60	0.85	25	0.02	NC
	PRC	13+29.48	264436.74	2141923.72									
	PRC	13+29.48	264436.74	2141923.72									
WBBL-7	PI	14+06.00	264425.75	2141999.44	300.00	28°36'57.96" LT	19°05'54.94"	149.83	76.51	9.60	25	0.02	NC
	PT	14+79.32	264452.38	2142071.17									
	PC	15+53.10	264478.06	2142140.34									
WBBL-8	PI	16+17.72	264500.54	2142200.93	300.00	24°18'43.61" RT	19°05'54.94"	127.30	64.62	6.88	25	0.02	NC
	PRC	16+80.39	264496.10	2142265.39									
	PRC	16+80.39	264496.10	2142265.39									
WBBL-9	PI	17+19.16	264493.43	2142304.06	300.00	14°43'26.01" LT	19°05'54.94"	77.09	38.76	2.49	25	0.02	NC
	PT	17+57.49	264500.67	2142342.14									

Preliminary Plans

DESIGN	AKS	11/17
DRAWN	BWH	11/17
CHECKED	JES	6/18
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

GEOMETRIC
CURVE DATA
(SHEET 2 OF 4)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R015

3/28/2025 9:14:51 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_GEO_CURVE DATA_002.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

TURNOUT E-S

CURVE NO.	CARDINAL POINTS STATION		Y (NORTH) (FEET)	X (EAST) (FEET)	CURVE DATA RADIUS (FEET)	DELTA	DEGREE	ARC LENGTH (FEET)	TANGENT (FEET)	EXTERNAL (FEET)	V (MPH)	Emax (FT/FT)	S (%)
	POB	1+00.00	264396.99	2141301.33									
	PC	1+00.00	264396.99	2141301.33									
T-1	PI	2+46.56	264402.63	2141447.78	187.00	76°10'22.97" RT	30°38'22.04"	248.61	146.56	50.59	25	0.02	NC
	PT	3+48.61	264261.77	2141488.25									
	POE	3+48.61	264261.77	2141488.25									

TURNOUT W-S

CURVE NO.	CARDINAL POINTS STATION		Y (NORTH) (FEET)	X (EAST) (FEET)	CURVE DATA RADIUS (FEET)	DELTA	DEGREE	ARC LENGTH (FEET)	TANGENT (FEET)	EXTERNAL (FEET)	V (MPH)	Emax (FT/FT)	S (%)
	POB	1+00.00	264412.40	2141653.93									
	PC	1+00.00	264412.40	2141653.93									
T-2	PI	1+40.73	264412.15	2141613.20	274.00	16°54'32.89" LT	20°54'39.13"	80.86	40.73	3.01	25	0.02	NC
	PCC	1+80.86	264400.05	2141574.31									
	PCC	1+80.86	264400.05	2141574.31									
T-3	PI	2+75.78	264371.87	2141483.67	97.00	88°45'24.77" LT	59°04'04.13"	150.26	94.92	38.71	25	0.02	NC
	PT	3+31.13	264280.64	2141509.88									
	POE	3+31.13	264280.64	2141509.88									

TURNOUT N-W

CURVE NO.	CARDINAL POINTS STATION		Y (NORTH) (FEET)	X (EAST) (FEET)	CURVE DATA RADIUS (FEET)	DELTA	DEGREE	ARC LENGTH (FEET)	TANGENT (FEET)	EXTERNAL (FEET)	V (MPH)	Emax (FT/FT)	S (%)
	POB	1+00.00	264260.40	2142007.55									
	PC	1+00.00	264260.40	2142007.55									
T-4	PI	2+47.35	264402.06	2142048.09	120.00	101°40'58.08" LT	47°44'47.34"	212.96	147.35	2.03	[illegible]	0.02	NC
	PT	3+12.96	264413.08	2141901.15									
	POE	3+12.96	264413.08	2141901.15									

TURNOUT N-E

CURVE NO.	CARDINAL POINTS STATION		Y (NORTH) (FEET)	X (EAST) (FEET)	CURVE DATA RADIUS (FEET)	DELTA	DEGREE	ARC LENGTH (FEET)	TANGENT (FEET)	EXTERNAL (FEET)	V (MPH)	Emax (FT/FT)	S (%)
	POB	1+00.00	264271.47	2142048.16									
	PC	1+00.00	264271.47	2142048.16									
T-5	PI	2+49.99	264415.67	2142089.42	200.00	[illegible]14'08.01"	28°3[illegible]2.40"	257.39	149.99	49.99	25	0.02	NC
	PT	3+57.39	264416.44	2142239.41									
	POE	3+57.39	264416.44	2142239.41									

TURNOUT S-W

CURVE NO.	CARDINAL POINTS STATION		Y (NORTH) (FEET)	X (EAST) (FEET)	CURVE DATA RADIUS (FEET)	DELTA	DEGREE	ARC LENGTH (FEET)	TANGENT (FEET)	EXTERNAL (FEET)	V (MPH)	Emax (FT/FT)	S (%)
	POB	1+00.00	264650.70	2141484.16									
	PC	1+00.00	264650.70	2141484.16									
T-6	PI	2+53.00	264503.60	2141442.06	200.00	74°49'56.27" RT	28°38'52.40"	261.21	153.00	51.81	25	0.02	NC
	PT	3+61.21	264505.74	2141289.08									
	POE	3+61.21	264505.74	2141289.08									

TURNOUT S-E

CURVE NO.	CARDINAL POINTS STATION		Y (NORTH) (FEET)	X (EAST) (FEET)	CURVE DATA RADIUS (FEET)	DELTA	DEGREE	ARC LENGTH (FEET)	TANGENT (FEET)	EXTERNAL (FEET)	V (MPH)	Emax (FT/FT)	S (%)
	POB	1+00.00	[illegible]622.5[illegible]	[illegible]1.07									
	PC	1+00.00	[illegible]2.55	2141[illegible]07									
T-7	PI	1+91.76	2645[illegible]33	2141[illegible]75.82	95.00	88°00'44.53" LT	60°18'40.85"	145.93	91.76	37.08	25	0.02	NC
	PCC	[illegible]+45.93	264506.[illegible]	2141563.11									
	PCC	[illegible]	264506.0[illegible]	2141563.11									
T-8	PI	2+[illegible]21	264498.56	2141586.21	287.00	9°40'19.96" LT	19°57'49.27"	48.45	24.28	1.03	25	0.02	NC
	PT	2+94.[illegible]	264495.06	2141610.24									
	POE	2+94.[illegible]	264495.06	2141610.24									

TURNOUT E-N

CURVE NO.	CARDINAL POINTS STATION		Y (NORTH) (FEET)	X (EAST) (FEET)	CURVE DATA RADIUS (FEET)	DELTA	DEGREE	ARC LENGTH (FEET)	TANGENT (FEET)	EXTERNAL (FEET)	V (MPH)	Emax (FT/FT)	S (%)
	POB	1+00.00	264497.01	2141921.39									
	PC	1+00.00	264497.01	2141921.39									
T-9	PI	1+05.63	264497.89	2141926.95	287.00	2°14'52.61" LT	19°57'49.27"	11.26	5.63	0.06	25	0.02	NC
	PCC	1+11.26	264498.99	2141932.47									
	PCC	1+11.26	264498.99	2141932.47									
T-10	PI	2+41.76	264524.40	2142060.48	120.00	94°48'07.07" LT	47°44'47.34"	198.55	130.50	57.29	25	0.02	NC
	PT	3+09.81	264649.83	2142024.44									
	POE	3+09.81	264649.83	2142024.44									

TURNOUT W-N

CURVE NO.	CARDINAL POINTS STATION		Y (NORTH) (FEET)	X (EAST) (FEET)	CURVE DATA RADIUS (FEET)	DELTA	DEGREE	ARC LENGTH (FEET)	TANGENT (FEET)	EXTERNAL (FEET)	V (MPH)	Emax (FT/FT)	S (%)
	POB	1+00.00	264509.69	2142236.33									
	PC	1+00.00	264509.69	2142236.33									
T-11	PI	2+54.88	264505.53	2142081.51	200.00	75°30'31.46" RT	28°38'52.40"	263.58	154.88	52.96	25	0.02	NC
	PT	3+63.58	264654.39	2142038.74									
	POE	3+63.58	264654.39	2142038.74									

Preliminary Plans

DESIGN	AKS	11/17
DRAWN	BWH	11/17
CHECKED	JES	6/18
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

GEOMETRIC
CURVE DATA
(SHEET 3 OF 4)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R016

3/28/2025 9:14:57 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_GEO_CURVE DATA_003.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

RD BOUCHER

CURVE NO.	STATION		Y (NORTH) (FEET)	X (EAST) (FEET)	RADIUS (FEET)	DELTA	DEGREE	ARC LENGTH (FEET)	TANGENT (FEET)	EXTERNAL (FEET)	V (MPH)	Emax (FT/FT)	S (%)
	POB	10+00.00	263928.92	2140721.10									
	PC	11+61.65	264090.58	2140721.10									
C-101	PI	12+04.65	264133.57	2140721.10	1145.92	4°17'51.22" RT	5°00'00.00"	85.95	43.00	0.81	35	0.02	NC
	PT	12+47.60	264176.45	2140724.33									
	POE	16+20.51	264548.30	2140752.27									

RD FRONTAGE

CURVE NO.	STATION		Y (NORTH) (FEET)	X (EAST) (FEET)	RADIUS (FEET)	DELTA	DEGREE	ARC LENGTH (FEET)	TANGENT (FEET)	EXTERNAL (FEET)	V (MPH)	Emax (FT/FT)	S (%)
	POB	10+00.00	264293.51	2140733.12									
	PC	10+97.81	264286.18	2140830.66									
C-105	PI	11+74.17	264280.46	2140906.81	325.00	26°26'39.14" LT	17°37'46.09"	150.00	76.36	8.85	25	0.02	NC
	PT	12+47.81	264309.25	2140977.53									
	PC	13+58.15	264350.84	2141079.73									
C-106	PI	14+88.77	264400.08	2141200.72	225.00	60°16'32.28" RT	25°27'53.25"	236.70	130.63	35.17	25	0.02	NC
	PT	15+94.85	264319.43	2141303.47									
	POE	16+45.00	264288.46	2141342.92									

RD INDUSTRIAL

CURVE NO.	STATION		Y (NORTH) (FEET)	X (EAST) (FEET)	RADIUS (FEET)	DELTA	DEGREE	ARC LENGTH (FEET)	TANGENT (FEET)	EXTERNAL (FEET)	V (MPH)	Emax (FT/FT)	S (%)
	POB	10+00.00	263871.19	2142107.54									
	PC	10+00.00	263871.19	2142107.54									
C-107	PI	10+64.71	263913.89	2142156.16	300.00	24°20'42.39" RT	19°05'54.94"	127.47	64.71	6.90	25	0.02	NC
	PT	11+27.47	263932.76	2142218.06									
	PC	14+81.96	264036.12	2142557.15									
C-108	PI	16+52.82	264085.93	2142720.59	200.00	81°00'50.36" LT	28°38'52.40"	282.79	170.86	63.05	25	0.02	NC
	PT	17+64.76	264255.15	2142696.92									
	POE	20+50.19	264537.82	2142657.36									

SHOO-FLY RAMP A-1

CURVE NO.	STATION		Y (NORTH) (FEET)	X (EAST) (FEET)	RADIUS (FEET)	DELTA	DEGREE	ARC LENGTH (FEET)	TANGENT (FEET)	EXTERNAL (FEET)	V (MPH)	Emax (FT/FT)	S (%)
	POB	50+00.00	264057.06	2141564.76									
	PC	50+00.00	264057.06	2141564.76									
SF-1	PI	50+68.79	264123.17	2141545.76	500.00	15°39'57.65" RT	11°27'32.96"	136.71	68.79	4.71	30	0.06	2%
	PT	51+36.71	264191.95	2141545.33									
	POE	54+02.80	264458.04	2141543.63									

SHOO-FLY RAMP A-2

CURVE NO.	STATION		Y (NORTH) (FEET)	X (EAST) (FEET)	RADIUS (FEET)	DELTA	DEGREE	ARC LENGTH (FEET)	TANGENT (FEET)	EXTERNAL (FEET)	V (MPH)	Emax (FT/FT)	S (%)
	POB	60+00.00	264010.28	2141576.12									
	PC	60+00.00	264010.28	2141576.12									
SF-2	PI	60+48.74	264057.13	2141562.66	350.00	15°51'26.17" LT	16°22'12.80"	96.87	48.74	3.38	30	0.06	2%
	PRC	60+96.87	264098.52	2141536.91									
	PRC	60+96.87	264098.52	2141536.91									
SF-3	PI	61+59.44	264151.65	2141503.85	350.00	20°[illegible]'20.09" RT	16°22'12.80"	123.84	62.57	5.55	30	0.06	2%
	PT	62+20.70	264212.94	2141449.[illegible]									
	POE	62+20.70	264212.94	[illegible]491.[illegible]									

SHOO-FLY RAMP A-3

CURVE NO.	STATION		Y (NORTH) (FEET)	X (EAST) (FEET)	RADIUS (FEET)	DELTA	DEGREE	ARC LENGTH (FEET)	TANGENT (FEET)	EXTERNAL (FEET)	V (MPH)	Emax (FT/FT)	S (%)
	POB	70+[illegible].00	264147.49	2141547.59									
	PC	70+00.[illegible]	264147.49	2141547.59									
SF-4	PI	71+09.4[illegible]	264256.46	2141537.16	350.00	34°44'07.64" RT	16°22'12.80"	212.19	109.47	16.72	30	0.06	2%
	PT	72+12.19	264351.95	2141590.68									
	OE	73+57.97	264479.12	2141661.95									

SHOO-FLY RAMP B-1

CURVE NO.	STATION		Y (NORTH) (FEET)	X (EAST) (FEET)	RADIUS (FEET)	DELTA	DEGREE	ARC LENGTH (FEET)	TANGENT (FEET)	EXTERNAL (FEET)	V (MPH)	Emax (FT/FT)	S (%)
	POB	50+00.00	264078.44	2141965.88									
	PC	50+00.00	264078.44	2141965.88									
SF-5	PI	50+71.76	264147.43	2141985.62	500.00	16°20'02.35" LT	11°27'32.96"	142.54	71.76	5.12	30	0.06	2%
	PT	51+42.54	264219.18	2141985.16									
	POE	54+04.53	264481.17	2141983.50									

SHOO-FLY RAMP B-2

CURVE NO.	STATION		Y (NORTH) (FEET)	X (EAST) (FEET)	RADIUS (FEET)	DELTA	DEGREE	ARC LENGTH (FEET)	TANGENT (FEET)	EXTERNAL (FEET)	V (MPH)	Emax (FT/FT)	S (%)
	POB	60+00.00	264058.67	2141962.30									
	PC	60+00.00	264058.67	2141962.30									
SF-6	PI	61+13.24	264167.54	2141993.45	350.00	35°51'23.14" LT	16°22'12.80"	219.03	113.24	17.86	30	0.06	2%
	PRC	62+19.03	264274.02	2141954.93									
	PRC	62+19.03	264274.02	2141954.93									
SF-7	PI	62+79.25	264330.64	2141934.45	350.00	19°31'20.79" RT	16°22'12.80"	119.26	60.21	5.14	30	0.06	2%
	PT	63+38.29	264290.85	2141934.07									
	POE	64+28.29	264480.85	2141933.50									

SHOO-FLY RAMP C-1

CURVE NO.	STATION		Y (NORTH) (FEET)	X (EAST) (FEET)	RADIUS (FEET)	DELTA	DEGREE	ARC LENGTH (FEET)	TANGENT (FEET)	EXTERNAL (FEET)	V (MPH)	Emax (FT/FT)	S (%)
	POB	50+00.00	264458.04	2141543.63									
	PC	53+54.29	264811.96	2141559.92									
SF-8	PI	54+12.74	264870.34	2141562.61	500.00	13°20'02.35" RT	11°27'32.96"	116.36	58.44	3.40	35	0.06	2%
	PT	54+70.65	264926.53	2141578.69									
	POE	54+70.65	264926.53	2141578.69									

Preliminary Plans

DESIGN	AKS	11/17
DRAWN	BWH	11/17
CHECKED	JES	6/18
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

GEOMETRIC
CURVE DATA
(SHEET 4 OF 4)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R017

3/28/2025 9:15:03 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_GEO_CURVE DATA_004.dgn

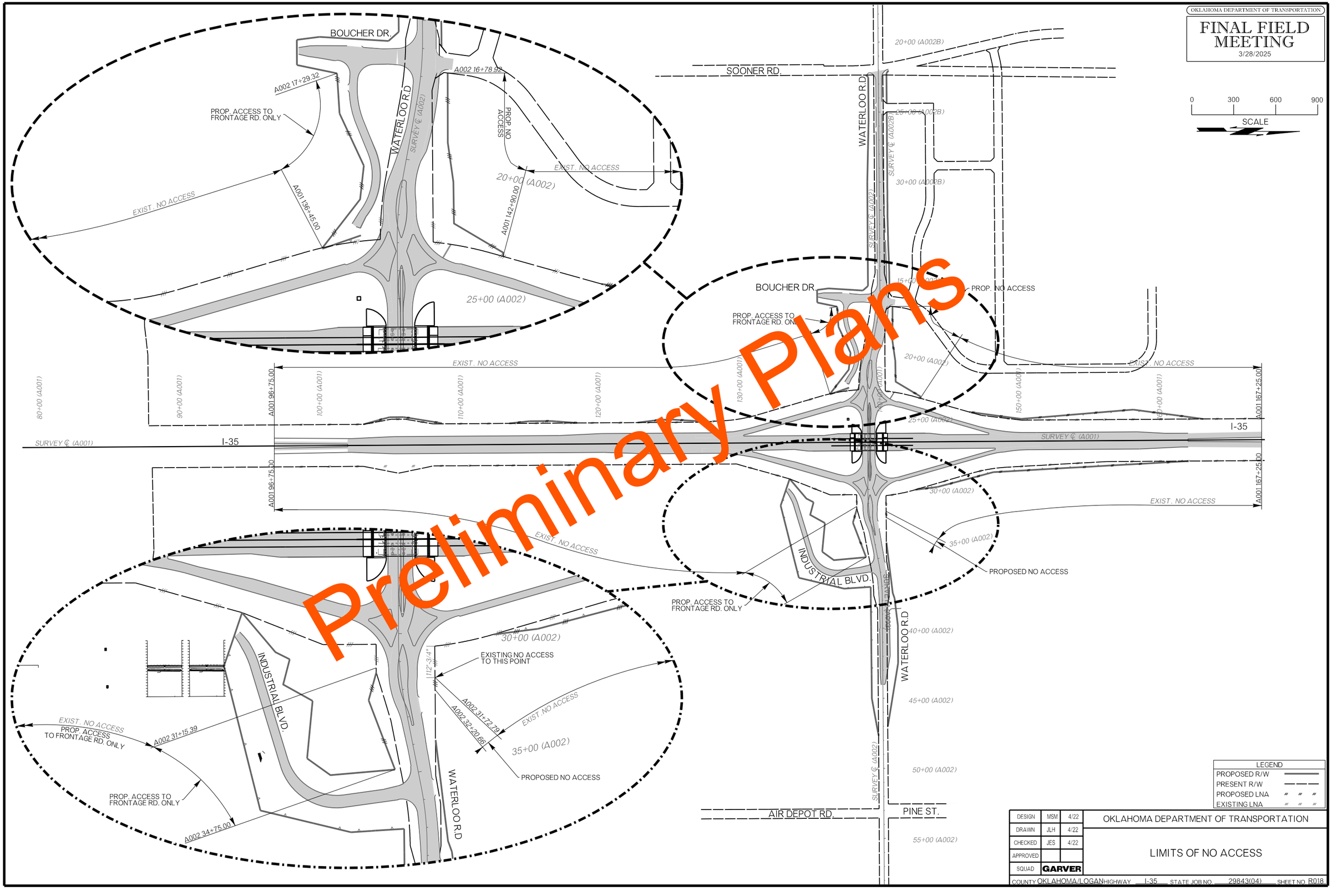
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 300 600 900

SCALE



Preliminary Plans

LEGEND

PROPOSED R/W	———
PRESENT R/W	— — —
PROPOSED LNA	〃 〃 〃
EXISTING LNA	〃 〃 〃

DESIGN	MSM	4/22
DRAWN	JLH	4/22
CHECKED	JES	4/22
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

LIMITS OF NO ACCESS

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R018

3/28/2025 9:15:12 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_LNA.dgn

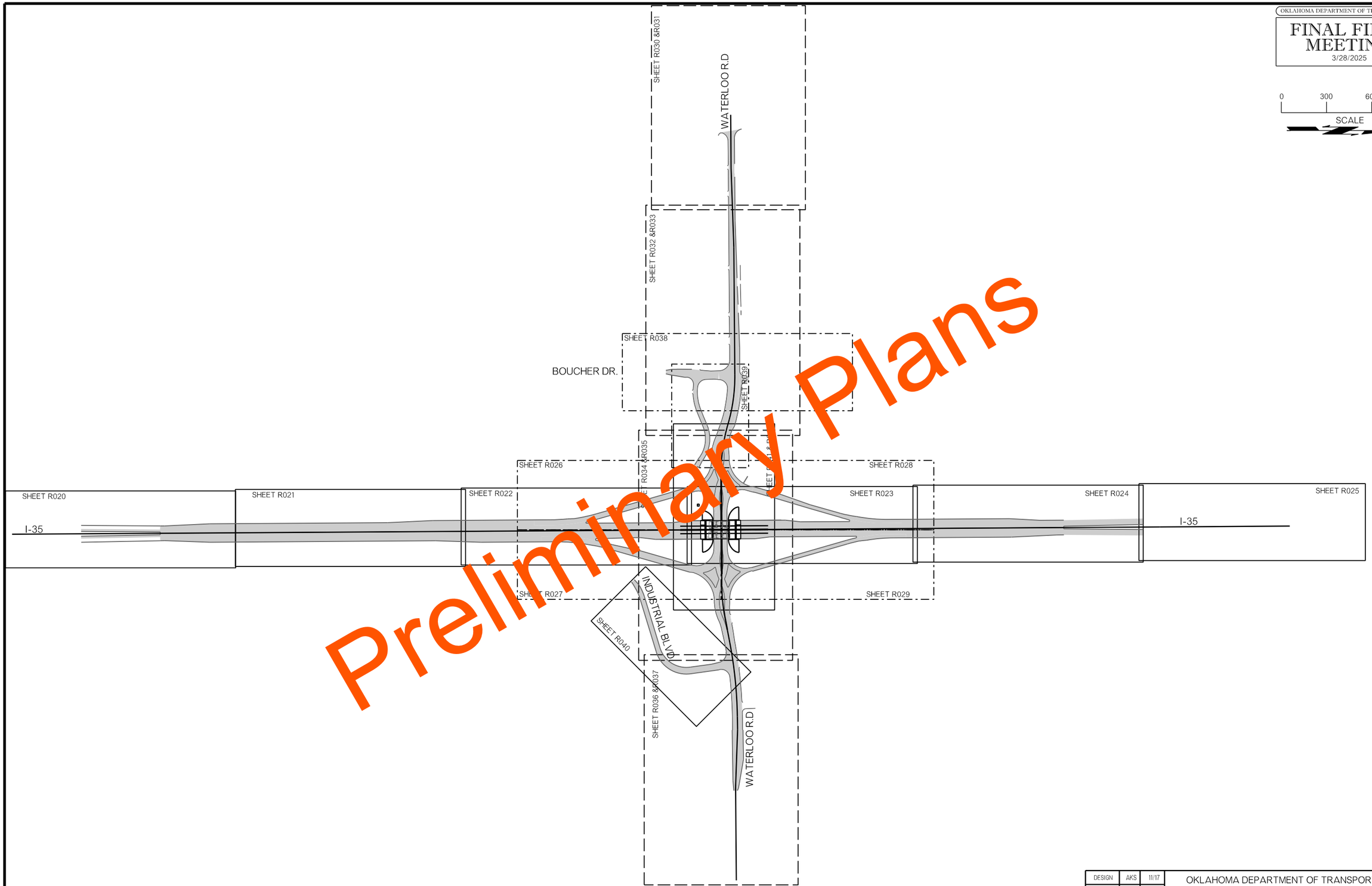
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 300 600 900

SCALE



Preliminary Plans

DESIGN	AKS	11/17
DRAWN	TML	5/18
CHECKED	JES	6/18
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
(KEY MAP)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R019

3/28/2025 9:15:18 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843(04)-PNP_KEY.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

LEGEND

- CONCRETE PAVEMENT
- ASPHALT PAVEMENT
- MILL AND OVERLAY

UNLESS OTHERWISE NOTED, ALL RIGHT-OF-WAY LABELS ARE BASED ON SURVEY ALIGNMENT A001.

FOR GEOMETRIC DATA, REFER TO SHEETS R001 - R017

FOR LIMITS OF NO ACCESS DATA SEE SHEET R018

SEC 04 T14N R02W

Sta. 97+14.02 CL 8'wx8'hx126.07' Rdy. RCB *X'ing CL 63.94' Rt. & 62.14' Lt. (A001)
℄ Elev. = 1112.45' Rt. & 1112.73' Lt.
TO REMAIN

Sta. 101+54.03 232.10' Rt. (A001) SDMH
TR=1120.32'
Not In Use
TO REMAIN

Sta. 105+53.85 130.71' Rt. (A001) Storm Inlet
TG = 1111.58'
℄ Elev. = 1109.15' E.
TO REMAIN

Sta. 105+51.72 24" 75.72'L CGMP
SD CL 171.53' Rt. (A001)
℄ Elev. = 1108.50' E. & 1109.15' W.
TO REMAIN

Sta. 105+53.47 131.19' Lt. (A001) 4'wx3'h RCB Headwall
℄ Elev. = 1096.54' W. & Unknown Transition to 48"CGMP
Going East EXTEND

Sta. 104+78.77 24"x95.6'L
Steel Pipe SD CL 274.67' Lt. (A001)
℄ Elev. = 1117.89' W. & 1099.95' E.
TO REMAIN

STA. 103+12.80 (A001) TO STA. 108+73.97 (A001)
CONST. FENCE STYLE SWF (5BW)
576 L.F.

SCALE 0 50 100 150 +0.00 200'

95+00 (A001)

100+00 (A001)

105+00 (A001)

STA. 107+00.00

POB RAMP B STA. 102+30.03

POB RAMP B STA. 102+30.03

℄ RAMP A

℄ RAMP B

℄ C.R.L. I-35

C.R.L. I-35

10300.00' 1/4 SECTION LINE N00°22'05.31"W

11000.00' SURVEY (A001) ℄ N00°22'05.31"W

2642.71' N 3 313 S S0°25'26.69"E

CONST. GUARDRAIL

CONST. CABLE BARRIER

TOC/TOS

DCP MIDSTREAM GAS

3-Strand Barbed Wire & Hedge

4-Steel Cable Guardrail

Steel Guardrail

7'Chain Link w/1-Barbed Wire

6'Chain Link

4'Steel Gate

6'Link Gate

Grass

Gravel

Asphalt

Hedge

Buried CGMP 24"FES Unknown Destination

Existing 24" CGMP

Proposed 24" CGMP

Proposed 48" CGMP

Proposed 4'wx3'h RCB

Proposed 6'wx6'h RCB

Proposed 20'x20' Concrete Ditch Checks

Existing 20'x20' Concrete Ditch Checks

Proposed 3'x3' Concrete Ditch Checks

Proposed 4'x4' Concrete Ditch Checks

Proposed 6'x6' Concrete Ditch Checks

Proposed 8'x8' Concrete Ditch Checks

150'-0" 185'-0" 200'-0" 24' 36'

I-35 MAINLINE

BM#100 #6 REBAR W/ CAP SET FLUSH WITH GROUND STA. 96+86.79(A001), 152.79 RT. EL.1111.56

BM#101 #6 REBAR W/ CAP SET FLUSH WITH GROUND STA. 99+92.85(A001), 152.73 RT. EL.1120.28

BM#102 #6 REBAR W/ CAP SET FLUSH WITH GROUND STA. 101+18.36(A001), 153.54 RT. EL.1121.23

BM#103 #6 REBAR W/ CAP SET FLUSH WITH GROUND STA. 105+68.56(A001), 155.12 RT. EL.1115.98

C.R.L. STA. 91+00.00 BEGIN INCIDENTAL

C.R.L. STA. 96+75.00 END INCIDENTAL BEGIN PROJ

ROADWAY CROSS-SLOPE TRANSITIONS AT TIE-IN: LANE TRANS. (IN) -2% TO -2% STA. 96+75.00 TO STA. 98+01.24

TRANSITION WIDENING AND OVERLAY

FULL DEPTH CONSTRUCTION

FINISHED PROFILE GRADE

EXISTING GRADE P.G.L.

EXISTING GRADE C.R.L.

PVC 96+78.50 Elev= 1124.79

PVI 96+75.00 Elev= 1124.78

PVI 103+30.00 Elev=1111.45 SP DT LT

PVI 104+00.00 Elev=1104.94 SP DT LT

PVI 105+40.00 Elev=1097.10 SP DT LT

PVI 105+65.00 Elev=1097.10 SP DT LT

PVI 106+03.50 Elev= 1128.86

HI 105+09.11 Elev= 1126.62

L= 1850.00'
K= 1887.76

0.44% -0.54% -9.30% -5.60% 0.00% 4.40%

SP DT LT

STR 001 C.R.L. I-35 STA. 105+53.47 LT CONST. 1-10'X3'X15.25' RC BOX EXTENSION FL LT. EL.= 1096.77 FL RT. EL.= 1096.43

EXISTING WATER LINE CROSSING STA. 96+58.49

EXISTING GAS LINE CROSSING STA. 99+53.59

1124.89 1125.29 1125.64 1125.93 1126.18 1126.37 1126.50 1126.59 1126.62 1126.60 1126.52

1135 1130 1125 1120 1115 1110 1105 1100 1095 1090

92+00 93+00 94+00 95+00 96+00 97+00 98+00 99+00 100+00 101+00 102+00 103+00 104+00 105+00 106+00 107+00

LEGEND

FINISHED GRADE	———
EXISTING GRADE	— — —
SPECIAL DITCH RT	— — — —
SPECIAL DITCH LT	- - - - -

UTILITY CONTACTS

COMMUNICATION LINES	
AT&T (USIC)	405-680-5803
CHICKASAW TELEPHONE INDIAN NATION FIBER OPTIC	405-946-1200
DCP MIDSTREAM	405-605-3855
ELECTRICAL LINES	
OG&E	405-272-9741
GAS LINES	
DCP MIDSTREAM	405-760-3600
ONG (USIC)	405-250-3891
OIL LINES	
CENTURION PIPELINE	405-590-3974
PEDESTAL OIL COMPANY	405-236-8596
SOUTHERN STAR CENTRAL GAS AND PIPELINE	405-823-8497
WATER LINES	
LOGAN COUNTY RWD#1	405-282-0746

Preliminary Plans

3/28/2025 11:01:10 AM \\garverinc.local\gdata\Projects\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_PnP_001.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

FOR GEOMETRIC DATA, REFER TO SHEETS R001 - R017

UNLESS OTHERWISE NOTED, ALL RIGHT-OF-WAY LABELS ARE BASED ON SURVEY ALIGNMENT A001.

SCALE 0 50 100 150

LEGEND
- CONCRETE PAVEMENT
- ASPHALT PAVEMENT
- MILL AND OVERLAY

SEC 04 T14N R02W

STA. 103+12.80 (A001) TO STA. 108+73.97 (A001)
CONST. FENCE STYLE SWF (5BW)
576 L.F.

FOR LIMITS OF NO ACCESS DATA SEE SHEET R018

STA. 113+54.22 (A001) TO STA. 118+40.00 (A001)
CONST. FENCE STYLE SWF (5BW)
488 L.F.

STA. 107+00.00

STA. 122+00.00

C.R.L. I-35

10300.00' N00°22'05.31"W

2649.91' S00°03'52.98"E

2652.79' N0°7'44.51"W

N-S 313.5 1/4 SECTION LINE

E-W 89.5 1/4 SECTION LINE

2640.20' N89°3'44.59"E

2661.89' N89°3'44.59"E

R/W

PRES. R/W

TOC/TOS

TUC

AT&T TUG

3-Strand Barbed Wire & Hogwire

6' Chain Link

4-Steel Cable Guardrail

Guardposts

Concrete Drive

Asphalt

Gravel

Grass

Boy Doors

Retaining Wall

Conc. Drive

Gate

Flower Bed

Grass — Retaining Wall

Asph. Drive

Core

C&G

SSCO

SSMH

FO

OHP

BEGIN MERGING TAPER

END MERGING TAPER

BEGIN WIDENING TAPER

CONST. GUARDRAIL

STA. 110+00 SIGN STRUCTURE NO. 3

B. RAMP A

B. RAMP B

MH259

MH258

MH257

MH256

MH255

I-35 MAINLINE

BM#104 #6 REBAR W/ CAP SET FLUSH WITH GROUND
STA. 110+29.39(A001), 157.[illegible] RT. EL. 116.41

BM#105 #6 REBAR W/ CAP SET FLUSH WITH GROUND
STA. 114+68.93(A001), 156.30 RT. EL.1114.78

BM#106 #6 REBAR W/ CAP SET FLUSH WITH GROUND
STA. 119+18.23(A001), 156.40 RT. EL.1111.31

LEGEND
- FINISHED GRADE
- EXISTING GRADE
- SPECIAL DITCH RT
- SPECIAL DITCH LT

L= 1850.00'
K= 1887.76

PVI 111+10.00 Elev=1121.08 SP DT LT

PVT 115+28.50 Elev= 1123.87

PVI 120+75.00 Elev=1115.96 SP DT LT

FINISHED PROFILE GRADE

EXISTING GRADE C.R.L.

SP DT LT

4.40%

-0.54%

-5.10%

FG= 1126.52 | 1126.40 | 1126.22 | 1125.98 | 1125.70 | 1125.36 | 1124.96 | 1124.52 | 1124.02 | 1123.48 | 1122.94 | 1122.40 | 1121.86 | 1121.32 | 1120.78 | 1120.24

1145 1140 1135 1130 1125 1120 1115 1110 1105 1100

107+00 108+00 109+00 110+00 111+00 112+00 113+00 114+00 115+00 116+00 117+00 118+00 119+00 120+00 121+00 122+00

SEE SHEETS R105 - R116 FOR STORM SEWER PROFILES

Preliminary Plans

3/28/2025 9:15:37 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_PnP_002.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 50 100 150

SCALE

SEC 04 T14N R02W

Sta. 124+60.44 3-24" 38.35'L CGMP FES SD CL 184.45'Lt. (A001) ft. Elev. = 1099.78'E. & 1100.09' W. TO REMAIN

Sta. 124+77.88 139.53'Rt. (A001) Storm Inlet TG = 1102.42' ft. Elev. = 1086.72'E. 2-36" CGMP Going East ft. Elev. = 1087.40' W. 5'x4' RCB Going West TO REMAIN

Sta. 124+52.28 18" 54.08'L Ellip. RCP SD CL 127.83'Lt. (A003) ft. Elev. = 1103.88'N. & 1102.44'S. TO REMAIN

Sta. 8+89.41 18" 29.95'L Ellip. RCP SD CL 110.40'Rt. (A003) ft. Elev. = 1119.78'E. & 1120.13' W. TO REMAIN

UNLESS OTHERWISE NOTED, ALL RIGHT-OF-WAY LABELS ARE BASED ON SURVEY ALIGNMENT A001.

FOR GEOMETRIC DATA, REFER TO SHEETS R001 - R017

FOR LIMITS OF NO ACCESS DATA SEE SHEET R018

STA. 122+00.00

STA. 137+00.00

C.R.I. I-35 STA. 137+00.00 END WIDENING TAPER

C.R.I. I-35 STA. 136+00.00 BEGIN WIDENING TAPER

C.R.I. I-35 STA. 123+28.79 END WIDENING TAPER

C.R.I. I-35 STA. 134+88.25 END WIDENING TAPER

℄ RAMP A

℄ RAMP B

C.R.I. I-35

SURVEY (A001)℄

N00°22'51.31"W 1800.00'

N00°24'37.78"W 3588.52'

N-S 1/4 SECTION LINE

E-W 89.25

MH4 MH254 MH253 MH252 MH250 MH251 MH255

CONST. GUARDRAIL

EX-IN3

STA 128+00 SIGN STRUCTURE NO. 4

IMPACT ATTENUATOR

Sta. 1057+63.44 207.71'Rt. (A001) 8'wx6'h RCB Headwall ft. Elev. = 1076.90' W. 1073.81'E. 137.26'L EXTEND

LEGEND

CONCRETE PAVEMENT

ASPHALT PAVEMENT

MILL AND OVERLAY

I-35 MAINLINE

Preliminary Plans

BM#107 #6 REBAR W/ CAP SET FLUSH WITH GROUND STA. 123+71.72(A001), 156.52 RT. EL.1106.14

BM#108 #6 REBAR W/ CAP SET FLUSH WITH GROUND STA. 128+24.4[illegible](A001), 153.[illegible] RT. EL. 1104.[illegible]

BM#109 #6 REBAR W/ CAP SET FLUSH WITH GROUND STA. 132+91.83(A001), 262.83 RT. EL.1102.21

L= 440.00' K= 423.08

L= 850.00' K= 566.67

MH255 MH254 MH252 MH250 MH251

-0.54% 0.50% -0.54% 0.50%

PVC 129+85.00 Elev= 1116.00

LO 132+13.46 Elev= 1115.39

PVT 134+25.00 Elev= 1115.91

PVI 132+00.00 Elev=1111.26 SP DT LT

PVI 132+05.00 Elev= 1114.81

PVI 133+50.00 Elev=1104.63 SP DT RT

PVC 134+75.00 Elev= 1116.16

PVI 134+00.00 Elev=1102.06 SP DT LT

PVI 135+20.00 Elev=1097.32 SP DT RT

PVI 136+82.00 Elev=1087.60 SP DT RT

PVI 136+92.00 Elev=1087.60 SP DT RT

-5.10% -2.00% 0.00% 0.60% -4.60% -4.30% -2.80% -6.00% 0.00%

PVI 123+50.00 Elev=1101.94 SP DT LT

PVI 124+70.00 Elev=1099.54 SP DT LT

PVI 124+85.00 Elev=1099.54 SP DT LT

PVI 126+20.00 Elev=1100.35 SP DT LT

SP DT LT SP DT RT

SEE SHEETS R105 - R116 FOR STORM SEWER PROFILES

EXISTING GAS LINE CROSSING STA. 128+50.48

FG= 1120.24 FG= 1119.70 FG= 1119.16 FG= 1118.62 FG= 1118.08 FG= 1117.54 FG= 1117.00 FG= 1116.46 FG= 1115.92 FG= 1115.54 FG= 1115.39 FG= 1115.47 FG= 1115.80 FG= 1116.28 FG= 1116.65 FG= 1116.84

1120 1115 1110 1105 1100 1095 1090 1085 1080 1075

122+00 123+00 124+00 125+00 126+00 127+00 128+00 129+00 130+00 131+00 132+00 133+00 134+00 135+00 136+00 137+00

ROADWAY CROSS-SLOPE TRANSITIONS FOR BRIDGES A & B:
SHLDR. TRANS. (INSIDE) -4% TO 2% = STA. 135+98.81 TO STA. 137+88.17
SHLDR. TRANS. (INSIDE) 2% TO -4% = STA. 140+54.83 TO STA. 142+44.19
LANE TRANS. (INSIDE) -2% TO 2% = STA. 136+61.93 TO STA. 137+88.17
LANE TRANS. (INSIDE) 2% TO -2% = STA. 140+54.83 TO STA. 141+81.07
SHLDR. TRANS. (OUTSIDE) 4% TO 2% = STA. 137+25.05 TO STA. 137+88.17
SHLDR. TRANS. (OUTSIDE) 2% TO 4% = STA. 140+54.83 TO STA. 141+17.95

LEGEND
FINISHED GRADE
EXISTING GRADE
SPECIAL DITCH RT
SPECIAL DITCH LT

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COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R022

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

SEC 04 T14N R02W

SEC 33 T15N R02W

SCALE 0 50 100 150

STA. 143+55.79 (A001) TO STA. 163+10.00 (A001)
CONST. FENCE STYLE WWF (3BW)
1,976 L.F.

FOR LIMITS OF NO ACCESS DATA SEE SHEET R018

STA. 140+41.76 (A001) TO STA. 170+62.80 (A001)
CONST. FENCE STYLE WWF (3BW)
3,041 L.F.

STRUCTURE NO. 5
CONST. GUARDRAIL

IMPACT ATTENUATOR
C.R.L. I-35 STA. 143+51.75
BEGIN SHOULDER TAPER

C.R.L. I-35 STA. 144+51.75
END SHOULDER TAPER

C.R.L. I-35 STA. 141+50.00
BEGIN SHOULDER TAPER

C.R.L. I-35 STA. 142+50.00
END SHOULDER TAPER

SURVEY WAS UNABLE TO LOCATE ABANDONED OIL LINES. CONTRACTOR SHALL TAKE CAUTION WHEN EXCAVATING IN THE VICINITY AND BE PREPARED TO REMOVE THE ABANDONED LINES.

FOR GEOMETRIC DATA, REFER TO SHEETS R001 - R017

UNLESS OTHERWISE NOTED, ALL RIGHT-OF-WAY LABELS ARE BASED ON SURVEY ALIGNMENT A001.

Sta. 140+54.21 SD CL 223.78'L 8'wx6'h RCB Headwall
RCB 'X'ing CL 119.31 Rt. & 104.43 Lt. (A001)
ft. Elev. = 1080.90' E. & 1085.35' W.
REMOVE/CLSM BACKFILL

Sta. 138+12.55 SD CL 11.99' Rt. (A001) 3'wx2'h RCB
ft. Elev. = 1079.51' E. & 1089.61' W. 230.66'L
REMOVE/CLSM BACKFILL

Sta. 138+36.95 143.88' Rt. (A001) Headwall(Buried)
ft. Elev. = 1081.24' 2-18"RCP
REMOVE

Sta. 138+46.30 53.07' Rt. (A001) Storm Inlet
TG = 1110.11'
ft. Elev. = 1107.89' E. 18" RCP Going East
REMOVE

Sta. 144+13.54 18' 93.08'L RCP
SD CL 47.36' Lt. (A001)
ft. Elev. = 1104.00' E. & 1100.31' W.
REMOVE

LEGEND
- CONCRETE PAVEMENT
- ASPHALT PAVEMENT
- MILL AND OVERLAY

I-35 MAINLINE

Preliminary Plans

BEGIN BRIDGE STA. 138+18.17 ELEV. 1116.84
BRIDGE 'A' & 'B' 206'-8"
CONST. 49'-10" - 107'-0" - 49'-10"
PLATE GIRDER BRIDGE
PVI 139+00.00 Elev= 1118.29
END BRIDGE STA. 140+24.83 ELEV. 1116.25

HI 137+58.33 Elev= 1116.87
PVI 137+45.00 Elev= 1092.40 SP DT LT
PVI 137+55.00 Elev= 1092.40 SP DT LT
PVI 138+00.00 Elev= 1088.14 SP DT RT
PVI 140+00.00 Elev= 1086.58 SP DT LT
PVI 140+25.00 Elev= 1085.93 SP DT RT
PVI 141+00.00 Elev= 1087.08 SP DT LT
PVI 145+25.00 Elev= 1100.43 SP DT RT
PVI 146+00.00 Elev= 1104.08 SP DT LT
PVI 146+30.00 Elev= 1104.63 SP DT RT
PVI 146+80.00 Elev= 1110.49
PVC 143+75.00 Elev= 1113.54
PVT 143+25.00 Elev= 1114.04
LO 147+81.67 Elev= 1111.51
PVT 149+85.00 Elev= 1112.02

-2.80% -1.00% 0.50% 2.90% 3.40% -1.00% 0.50% -1.00% 0.50%

L= 850.00'
K= 566.67

L= 610.00'
K= 406.67

EXISTING OVERHEAD POWER CROSSING STA. 137+16.67
EXISTING TELE LINE CROSSING STA. 139+27.45
EXISTING OIL LINE CROSSING STA. 139+73.65
EXISTING OIL LINE CROSSING STA. 139+79.79
EXISTING OIL LINE CROSSING STA. 140+75.95
EXISTING OIL LINE CROSSING STA. 140+83.62

SEE SHEETS R105 - R116 FOR STORM SEWER PROFILES

BM#110 #6 REBAR W/ CAP SET FLUSH WITH GROUND STA. 138+[illegible]27(A001), 69.89 RT. EL.1099.98
BM#114 #6 REBAR W/ CAP SET FLUSH WITH GROUND STA. 142+97.13(A001), 332.14 RT. EL.1111.75
BM#115 #6 REBAR W/ CAP SET FLUSH WITH GROUND STA. 193.68(A001), 148+24.90 RT. EL.1133.19

ROADWAY CROSS-SLOPE TRANSITIONS FOR BRIDGES A & B:
SHLDR. TRANS. (INSIDE) -4% TO 2% = STA. 135+98.81 TO STA. 137+88.17
SHLDR. TRANS. (INSIDE) 2% TO -4% = STA. 140+54.83 TO STA. 142+44.19
LANE TRANS. (INSIDE) -2% TO 2% = STA. 136+61.93 TO STA. 137+88.17
LANE TRANS. (INSIDE) 2% TO -2% = STA. 140+54.83 TO STA. 141+81.07
SHLDR. TRANS. (OUTSIDE) 4% TO 2% = STA. 137+25.05 TO STA. 137+88.17
SHLDR. TRANS. (OUTSIDE) 2% TO 4% = STA. 140+54.83 TO STA. 141+17.95

LEGEND
- FINISHED GRADE
- EXISTING GRADE
- SPECIAL DITCH RT
- SPECIAL DITCH LT

FG= 1116.84 | 1116.86 | 1116.70 | 1116.36 | 1115.84 | 1115.15 | 1114.28 | 1113.30 | 1112.48 | 1111.91 | 1111.59 | 1111.51 | 1111.68 | 1112.09 | 1112.59 | 1113.09

137+00 138+00 139+00 140+00 141+00 142+00 143+00 144+00 145+00 146+00 147+00 148+00 149+00 150+00 151+00 152+00

1120 1115 1110 1105 110 1095 1090 1085 1080 1075

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

UNLESS OTHERWISE NOTED, ALL RIGHT-OF-WAY LABELS ARE BASED ON SURVEY ALIGNMENT A001.

FOR GEOMETRIC DATA, REFER TO SHEETS R001 - R017

FOR LIMITS OF NO ACCESS DATA SEE SHEET R018

SCALE 0 50 100 150

STA. 143+55.79 (A001) TO STA. 163+10.00 (A001)
CONST. FENCE STYLE WWF (3BW)
1,976 L.F.

STA. 140+41.76 (A001) TO STA. 170+[illegible] (A001)
CONST. FENCE STYLE WWF (3BW)
3,041 L.F.

SEC 33 T15N R02W

Sta. 162+61.13 SD CL (A001) 3'wx2'h RCB RCB 3'k'ng 74.98' Rt. & 65.29' Lt. (A001) fL Elev. = 1111.94' E. & 1112.94' W. 140.27'L

TO REMAIN

STA. 152+00.00

STA. 167+00.00

155+00 (RAMP C) (A001)

160+00 (RAMP C) (A001)

165+00 (A001)

15+00 (A005)

155+00 (RAMP D)

160+00 (RAMP D)

R/W

TOC/TOS

PRES. R/W

3-Strand Barbed Wire & Hogwire

CENTURION PIPELINE GAS

Conc. Flume

℄ RAMP C

℄ RAMP D

℄ RAMP C STA. 158+38.85

C.R.L. I-35 STA. 158+39.21
END WIDENING TAPER

POE RAMP C STA. 160+39.21

C.R.L. I-35 STA. 160+39.21
BEGIN WIDENING TAPER

242 243 244 245 260

MH242 MH243 MH244 MH245

36' 36' 24'

150'-0"

Concrete

Grass

C.R.L. I-35

10300.00' N00°22'02.21"W

11000.00' N00°22'02.21"W

SURVEY (A001) ℄

2638.11' N00°04'52.19"W

CONST. CABLE BARRIER

Cable Guardrail

C.R.L. I-35 STA. 158+52.18
BEGIN MERGING TAPER

C.R.L. I-35 STA. 160+52.18
BEGIN MERGING TAPER

℄ RAMP D STA. 158+51.70

POE RAMP D STA. 160+51.79

INDIAN NATION/CHICKSAW TELEPHONE FIBER OPTIC

FO

+10.00 220.00'

+46.23 150.00'

+46.96 150.00'

2626.87' N89°31'35.47"E

1/4 SECTION LINE N89°31'35.47"E

LEGEND
- CONCRETE PAVEMENT
- ASPHALT PAVEMENT
- MILL AND OVERLAY

I-35 MAINLINE

BM#116 #6 REBAR W/ CAP SET FLUSH WITH GROUND
STA. 152+41.92(A001), 168.75 RT. EL.1139.62

BM#117 #6 REBAR W/ CAP SET FLUSH WITH GROUND
STA. 157+18.48(A001), 150.15 RT. EL.1130.14

BM#118 #6 REBAR W/ CAP SET FLUSH WITH GROUND
STA. 162+11.24(A001), 150.06 RT. EL.1114.49

BM#119 #6 REBAR W/ CAP SET FLUSH WITH GROUND
STA. 166+87.00(A001), 148.73 RT. EL.1133.18

LEGEND
- FINISHED GRADE
- EXISTING GRADE
- SPECIAL DITCH RT
- SPECIAL DITCH LT

FULL DEPTH CONSTRUCTION

TRANSITION WIDENING AND OVERLAY

ROADWAY CROSS-SLOPE TRANSITIONS AT TIE-IN:
LANE TRANS. (INSIDE) -2% TO 2% = STA. 165+98.76 TO STA. 167+25.00

PVI 162+00.00 Elev=1113.70 SP DT LT

PVI 162+50.00 Elev=1115.25 SP DT LT

PVI 162+00.00 Elev=1113.70 SP DT RT

PVI 162+50.00 Elev=1111.90 SP DT RT

PVI 162+65.00 Elev=1111.90 SP DT RT

SP DT LT

SP DT RT

3.10%

3.60%

0.05%

0.50%

FINISHED PROFILE GRADE

EXISTING GRADE C.R.L.

MH242 MH243 MH244 MH245 260

SEE SHEETS R105 - R116
FOR STORM SEWER PROFILES

1130 1125 1120 1115 1110 1105 1100 1095

FG= 1113.09 FG= 1113.59 FG= 1114.09 FG= 1114.59 FG= 1115.09 FG= 1115.59 FG= 1116.09 FG= 1116.59 FG= 1117.09 FG= 1117.59 FG= 1118.09 FG= 1118.59 FG= 1119.09 FG= 1119.59 FG= 1120.09 FG= 1120.59

152+00 153+00 154+00 155+00 156+00 157+00 158+00 159+00 160+00 161+00 162+00 163+00 164+00 165+00 166+00 167+00

Preliminary Plans

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

FOR GEOMETRIC DATA, REFER TO SHEETS R001 - R017

FOR LIMITS OF NO ACCESS DATA SEE SHEET R018

SCALE 0 50 100 150

UNLESS OTHERWISE NOTED, ALL RIGHT-OF-WAY LABELS ARE BASED ON SURVEY ALIGNMENT A001.

LEGEND
- CONCRETE PAVEMENT
- ASPHALT PAVEMENT
- MILL AND OVERLAY

SEC 33 T15N R02W

PRES. R/W

3-Strand BW & Hogwire

OG&E OHP

170+00 (A001)

175+00 (A001)

POE I-35 STA. 177+00.00

STA. 167+00.00

TOC/TOS

CONST. CABLE BARRIER

C.R.L. I-35

4 Steel Cable Guardrail

SURVEY (A000) ℄ N0°22'25.31"W 11000.00'

N.S 313.5

2638.11'

1/4 SECTION LINE

N0°14'8.23"E

Grass Median

Steel Cable Guardrail

C.R.L. STA. 167+25.00 END PROJECT BEGIN INCIDENTAL

C.R.L. STA. 173+00.00 END INCIDENTAL

INDIANNATION/CHICKSAW TELEPHONE FIBER OPTIC

Billboard Weds on Wheels

STA. 140+41.76 (A001) TO STA. 170+62.80 (A001)
CONST. FENCE STYLE WWF (3BW)
3,041 L.F.

Sta.171+87.82,41.98 Rt. 15°x81.27' Rt. RCB
ft. Elev. = 117.68' W. & 114.05' E.
TO REMAIN

Sta.174+75.36,6x6x270.81' Rt. RCB
Sta.175+10.40,6x6x138.33' Rt.
ft. Elev. = 109.24' NW. & 108.15' SE.
TO REMAIN

I-35 MAINLINE

BM#124 #4 REBAR W/ CAP SET FLUSH WITH GROUND
STA. 174+86.89(A001), 153.77 RT. EL.1094.43

BM#136 #6 REBAR W/ CAP SET FLUSH WITH GROUND
STA. 178+86.95(A001), 156.44 RT. EL.1099.38

LEGEND
- FINISHED GRADE
- EXISTING GRADE
- SPECIAL DITCH RT
- SPECIAL DITCH LT

PVI 167+25.00 Elev= 1120.71
0.50%
FINISHED PROFILE GRADE
EXISTING GRADE P.G.L.
EXISTING GRADE C.R.L.

SEE SHEETS R105 - R116 FOR STORM SEWER PROFILES

FG= 1120.59
FG= 1121.09
FG= 1121.59
FG= 1122.09

1135 1130 1125 1120 1115 1110 1105 1100 1095

167+00 168+00 169+00 170+00 171+00 172+00 173+00 174+00 175+00 176+00 177+00 178+00 179+00 180+00 181+00 182+00

Preliminary Plans

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R025

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

FOR GEOMETRIC DATA, REFER TO SHEETS R001 - R017

UNLESS OTHERWISE NOTED, ALL RIGHT-OF-WAY LABELS ARE BASED ON SURVEY ALIGNMENT A001.

FOR LIMITS OF NO ACCESS DATA SEE SHEET R018

SEC 04 T14N R02W

SEC 33 T15N R02W

LEGEND
- CONCRETE PAVEMENT
- ASPHALT PAVEMENT
- MILL AND OVERLAY

SCALE 0 50 100 150

STA. 136+45.00 (A001) TO 22+75.00 (A002) CONST. FENCE STYLE WWF (3BW) 145 L.F.

Sta. 12+52.03 18° 54.08'L Ellip. RCP SD CL 120.19'Rt. (A003) ft. Elev. = 1108.98' N. & 1102.44' S. TO REMAIN

Sta. 8+89.93 18° 29.90'L Ellip. RCP SD CL 118.31'Rt. (A003) ft. Elev. = 1119.78' E. & 1120.13' W. TO REMAIN

Sta. 5+81.50 16° 28.86'L CGMP SD CL 108.12'Rt. (A003) ft. Elev. = 1118.75' E. & 1119.42' W. TO REMAIN

Sta. 5+07.78 18° 50.38'L CGMP SD CL 122.95'Rt. (A003) ft. Elev. = 1117.78' N. & 1119.09' S. TO REMAIN

Sta. 3+54.30 24° 50.70'L CGMP FES SD CL 119.37'Rt. (A003) ft. Elev. = 1116.17' N. & 1117.16' S. TO REMAIN

Sta. 0+79.86 SD CL 108' Lt. (A003) 13'w x 2'h RCB ft. Elev. = 1098.42' E. & 1099.08' W. 57.03L REMOVE

R RAMP A STA. 127+92.30 PC

R RAMP C STA. 129+56.57 END SHOULDER TAPER

R RAMP C STA. 129+06.57 BEGIN SHOULDER TAPER

TOC/TOS

SURVEY ℄ (A003)

SURVEY ℄ (A001)

SURVEY ℄ (A002)

℄ RAMP A

℄ RAMP C

℄ WATERLOO EB

℄ WATERLOO WB

℄ S-W TURNOUT

℄ S-E TURNOUT

CENTERLINE

C.R.L. I-35

PRES. R/W

3' Pipe Rail

Single Story Metal Bldg. Mobile Home FF=1110.01'

Flower bed

6" Steel Pipe

Gate

Concrete Drive

Fence

Gravel

Asphalt

Concrete

Grass

Steel Rail Guardrail

4-Steel Cable Guardrail

Metal Pole Sign

Wire Rail

Guardrail

Concrete Barrier

Concrete Curb

Concrete Gutter

Concrete Flume

Concrete Headwall

Concrete Apron

Concrete Slope Paving

Concrete Ditch Paving

Concrete Box Culvert

Concrete Pipe Culvert

Concrete Pipe Arch Culvert

Concrete Arch Culvert

Concrete Slope Protection

Concrete Retaining Wall

Concrete Sidewalk

Concrete Curb Ramp

Concrete Median

Concrete Island

Concrete Pavement

Concrete Bridge

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

SEC 04 T14N R02W

SEC 33 T15N R02W

℄ RAMP B

CONST. GUARDRAIL

℄ RAMP B STA. 130+47.62 BEGIN SHOULDER TAPER

℄ RAMP B STA. 131+57.62 END SHOULDER TAPER

℄ RAMP B STA. 132+00.06 BEGIN WIDENING TAPER

℄ RAMP B STA. 134+00.06 BEGIN WIDENING TAPER

SCALE 0 50 100 150

TOC/TOS

PRES. R/W

130+00 (RAMP B)

5+00 (A004)

135+00 (RAMP B)

10+00 (A004)

LEGEND
- CONCRETE PAVEMENT
- ASPHALT PAVEMENT
- MILL AND OVERLAY

UNLESS OTHERWISE NOTED, ALL RIGHT-OF-WAY LABELS ARE BASED ON SURVEY ALIGNMENT A001.

FOR GEOMETRIC DATA, REFER TO SHEETS R001 - R017

FOR LIMITS OF NO ACCESS DATA SEE SHEET R018

STA. 30+47.95 (A002) TO STA. 37+00.00 (A002) CONST. FENCE STYLE WWF (3BW) 995 L.F.

Sta. 1057+63.44 207.71' Rt. (A001) Storm Inlet TG = 1078.81' E. Elev = 1078.80' W. 1073.81' E. 137.26' EXTEND TO REMAIN

Sta. 1057+36.84 344.32' Rt. (A001) Storm Inlet TG = 1094.91' E. Elev = 1078.81' E. 2-48" CSMP 250'L E. Elev = 1073.81' W. 9 w/4th RCB

Preliminary Plans

RAMP B

BM#107 #6 REBAR W/ CAP SET FLUSH WITH GROUND STA. 104+30.31(A001), 166.12 RT. EL. 1106.14

BM#108 #6 REBAR W/ CAP SET FLUSH WITH GROUND STA. 128+24.49(A001), 153.52 RT. EL.1104.56

BM#109 #6 REBAR W/ CAP SET FLUSH WITH GROUND STA. 132+91.83(A001), 262.83 RT. EL.1102.21

LEGEND
- FINISHED GRADE
- EXISTING GRADE
- SPECIAL DITCH RT
- SPECIAL DITCH LT

VARIES (SEE SHEET R153 FOR GORE DETAILS)

PVI 127+30.96 Elev= 1116.66

127+34.66 RC- BEGIN SUPER

SUPERELEVATION TRANSITION

128+88.02 6% - FULL SUPER

FULL SUPER = 6%

PVC 130+90.00 Elev= 1113.14

130+99.75 6% - FULL SUPER

SUPERELEVATION TRANSITION

132+63.11 RC- END SUPER

PVI 132+50.00 Elev= 1111.54

PVI 130+87.32 Elev= 1112.87

-1.00%

-2.60%

PVT 134+10.00 Elev= 1107.38

FINISHED GRADE ℄ RAMP

EXISTING GRADE ℄ RAMP

L= 320.00' K= 200.00

SEE SHEETS R105 - R116 FOR STORM SEWER PROFILES

PVC 138+15.00 Elev= 1096.85

L= 120.00' K= 26.09

LOW 138+82.83 Elev= 1095.97

PVT 139+35.00 Elev= 1096.49

PVI 139+45.23 Elev= 1096.70

FINISHED GRADE WATERLOO RD.

-2.60%

-2.00%

2.00%

PVI 138+75.00 Elev= 1095.29

FG= 1115.87

EXISTING GAS LINE CROSSING STA. 128+49.57

FG= 1114.73

FG= 1113.97

FG= 1113.04

FG= 1111.74

FG= 1109.94

FG= 1107.64

FG= 1105.04

FG= 1102.44

FG= 1099.84

FG= 1097.24

EXISTING OVERHEAD POWER CROSSING STA. 138+33.81

FG= 1096.03

1125 1120 1115 1110 1105 1100 1095 1090 1085 1080

126+00 127+00 128+00 129+00 130+00 131+00 132+00 133+00 134+00 135+00 136+00 137+00 138+00 139+00 140+00 107+00

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

SEC 33
T15N R02W

SEC 04
T14N R02W

LEGEND
CONCRETE PAVEMENT
ASPHALT PAVEMENT
MILL AND OVERLAY

SCALE 0 50 100 150

Sta. 11+48.62' 2.36' 24.163'L. CGMP SD.CL. 99.21'Rt. (A006) & Elev. = 1089.14' NW. & 1088.45' SE. REMOVE

Sta. 11+49.42' SD.CL. 7.09' Lt. (A001) Elev. = 1086.95' E & 1087.14' W. 69.82'L EXTEND

NOTE: LOT LINES NORTH OF WATERLOO RD. FROM SOONER RD. TO RAMP C WERE RECEIVED FROM THE DEVELOPER AND HAVE NOT BEEN SURVEYED.

FOR LIMITS OF NO ACCESS DATA SEE SHEET R018

FOR GEOMETRIC DATA, REFER TO SHEETS R001 - R017

UNLESS OTHERWISE NOTED, ALL RIGHT-OF-WAY LABELS ARE BASED ON SURVEY ALIGNMENT A001.

STA. 143+55.79 (A001) TO STA. 163+10.00 (A001)
CONST. FENCE STYLE WWF (3BW)
1,976 L.F.

℄ RAMP C STA. 143+00.24
BEGIN WIDENING TAPER

℄ RAMP C STA. 143+00.24
BEGIN WIDENING TAPER

℄ RAMP C STA. 147+12.10

℄ RAMP C STA. 159+38.85

CONST. GUARDRAIL

℄ RAMP C

QR L-I-35

RAMP C

Preliminary Plans

BM#110 #6 REBAR W/ CAP SET FLUSH WITH GROUND
STA. 138+10.27(A001), 369.89 RT. EL.1099.98

BM#115 #6 REBAR W/ CAP SET FLUSH WITH GROUND
STA. 148+24.90(A001), 193.68 RT. EL.1133.19

EXISTING TELE LINE CROSSING STA. 139+76.16

EXISTING OIL LINE CROSSING STA. 140+43.93

EXISTING OIL LINE CROSSING STA. 140+52.46

SUPERELEVATION TRANSITION

FULL SUPER = 6%

SUPERELEVATION TRANSITION

146+32.23 RC- BEGIN SUPER

147+60.03 6% - FULL SUPER

149+90.93 6% - FULL SUPER

151+18.73 RC- END SUPER

VARIES
(SEE SHEET R154 FOR GORE DETAILS)

LEGEND
FINISHED GRADE
EXISTING GRADE
SPECIAL DITCH RT
SPECIAL DITCH LT

L= 350.00'
K= 87.50

PVI 139+11.97 Elev= 1102.26
PVC 139+26.00 Elev= 1102.00
LO 141+01.00 Elev= 1100.25
PVT 142+76.00 Elev= 1102.00
PVI 146+00.00 Elev= 1108.48
PVI 147+79.91 Elev= 1109.74
PVI 151+22.71 Elev= 1112.23

FINISHED GRADE WATERLOO RD.

FINISHED GRADE ℄ RAMP

EXISTING GRADE ℄ RAMP

2.00%
0.70%
2.40%
2.80%
0.00%

STR. 002B
BL RAMP C STA. 140+89 RT
CONST. 8'X6'X19.5' RC BOX EXTENSION
FL LT. EL=1086.95
FL RT. EL=1086.95

STR. 002A
BL RAMP C STA. 140+77 LT
CONST. 8'X6'X12.7' RC BOX EXTENSION
FL LT. EL=1087.14
FL RT. EL=1087.14

PVI 140+70.00
Elev=1087.13 SP DT LT

PVI 141+00.00
Elev=1087.13 SP DT LT

PVC 144+50.00 Elev= 1105.48

PVI 145+50.00
Elev=1099.73 SP DT LT
L= 300.00'
K= 230.77

PVT 147+50.00 Elev= 1109.53

PVI 148+00.00 Elev=1105.73 SP DT LT

SP DT LT

SEE SHEETS R105 - R116
FOR STORM SEWER PROFILES

FG= 1100.83 | FG= 1100.25 | FG= 1100.81 | FG= 1102.48 | FG= 1104.48 | FG= 1106.43 | FG= 1107.99 | FG= 1109.13 | FG= 1109.88 | FG= 1110.42 | FG= 1111.13 | FG= 1112.04

1125 1120 1115 1110 1105 1100 1095 1090 1085 1080

138+00 139+00 140+00 141+00 142+00 143+00 144+00 145+00 146+00 147+00 148+00 149+00 150+00 151+00 152+00 153+00

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

SCALE 0 50 100 150

SEC 04
14N R02W

SEC 33
T15N R02W

SEC 04
14N R02W

℄ RAMP D

℄ I-35 SURVEY ℄ (A004)

℄ RAMP B SURVEY ℄ (A005)

℄ RAMP D SURVEY ℄ (A006)

℄ WATERLOO RD SURVEY ℄ (A002)

℄ RAMP D STA. 148+87.29
END WIDENING TAPER

℄ RAMP D STA. 148+37.29
BEGIN WIDENING TAPER

℄ RAMP D STA. 150+71.70

140+00 (RAMP D)

145+00 (RAMP D)

150+00 (RAMP D)

R-4

MH146 F141L MH147 F142L 142 F142R 141 F141R MH130 MH129 MH131 MH132 MH133 MH134 MH135 MH136 MH137 MH138 MH139 MH248 MH249 MH240 MH241 248 247 240 241 121 122 8B

℄ N-W TURNOUT
℄ E-N TURNOUT
℄ W-N TURNOUT
℄ NE TURNOUT
℄ WATERLOO EB
℄ WATERLOO WB

C.R.I. WATERLOO

Steel Rail Guardrail
Concrete
Grass
Gravel
Asphalt
Conc. Flume
Conc. Pipe Rail
5' Pipe Rail
4' Pipe Rail
Steel Rail Guardrail
Rock Riprap
Brick Shed FF=1114.75
Steel Shed
Sheet Metal Barn On Dirt FF=1122.85'
1 Story Steel Shed Bldg
Rock Bldg.
Shed
Tank
Tower
Pole
Fence
Gate
Sign
Mailbox
Manhole
Inlet
Catch Basin
Junction Box
Valve
Meter
Hydrant
Light
Power Pole
Guy Wire
Telephone Pedestal
Telephone Riser
Telephone Manhole
Telephone Booth
Fiber Optic Marker
Fiber Optic Manhole
Fiber Optic Pedestal
Fiber Optic Riser
Fiber Optic Vault
Fiber Optic Handhole
Fiber Optic Splice Box
Fiber Optic Splice Vault
Fiber Optic Splice Handhole
Fiber Optic Splice Pedestal
Fiber Optic Splice Riser
Fiber Optic Splice Manhole
Fiber Optic Splice Box
Fiber Optic Splice Vault
Fiber Optic Splice Handhole
Fiber Optic Splice Pedestal
Fiber Optic Splice Riser
Fiber Optic Splice Manhole

STA. 140+41.76 (A001) TO STA. 170+[illegible]80 (A001)
CONST. FENCE STYLE WW-[illegible]8BW
3,041 L.F.

UNLESS OTHERWISE NOTED, ALL RIGHT-OF-WAY LABELS ARE BASED ON SURVEY ALIGNMENT A001.

LEGEND
CONCRETE PAVEMENT
ASPHALT PAVEMENT
MILL AND OVERLAY

FOR GEOMETRIC DATA, REFER TO SHEETS R001 - R017

FOR LIMITS OF NO ACCESS DATA SEE SHEET R018

Sta. 0+60.05, 0.38' Rt. (A005) 3'wx2'h RCB Headwall ft. Elev. = 1082.55' E & 1082.05' W. 119.241. REMOVE

Preliminary Plans

RAMP D

BM#110 #6 REBAR W/ CAP SET FLUSH WITH GROUND
STA. 138+10.27(A001), 369.89 RT. EL.1099.98

BM#114 #6 REBAR W/ CAP SET FLUSH WITH GROUND
STA. 142+97.13(A001), 332.14 RT. EL.1111.[illegible]

BM#115 #6 REBAR W/ CAP SET FLUSH WITH GROUND
STA. 1[illegible]8+24.90(A001), 193.68 RT. EL.1133.19

LEGEND
FINISHED GRADE
EXISTING GRADE
SPECIAL DITCH RT
SPECIAL DITCH LT

EXISTING OIL LINE CROSSING STA. 140+31.78
EXISTING OIL LINE CROSSING STA. 140+39.45
EXISTING OIL LINE CROSSING STA. 140+43.85
EXISTING OIL LINE CROSSING STA. 140+52.48

EXISTING TELE LINE CROSSING STA. 139+18.54

FINISHED GRADE WATERLOO RD.

PVI 139+11.84
Elev= 1096.47
PVC 139+35.00
Elev= 1096.01

L= 200.00'
K= 45.45

PVI 140+25.91
Elev=1095.10

PVI 140+35.00
Elev= 1094.01

PVT 141+35.00
Elev= 1096.41

FINISHED GRADE ℄ RAMP

EXISTING GRADE ℄ RAMP

PVC 146+06.00
Elev= 1105.29

PVI 146+55.00
Elev= 1108.89

L= 300.00'
K= 166.67

PVT 148+05.00
Elev= 1109.79

PVI 148+24.29
Elev= 1109.90

PVI 151+52.56
Elev= 1112.37

-2.00%
2.40%
0.60%

VARIES
(SEE SHEET R154 FOR GORE DETAILS)

SEE SHEETS R105 - R116
FOR STORM SEWER PROFILES

146+78.58 RC - BEGIN SUPER
148+06.38 6% - FULL SUPER
150+23.78 6% - FULL SUPER
151+51.58 RC - END SUPER

SUPERELEVATION TRANSITION
FULL SUPER = 6%
SUPERELEVATION TRANSITION

FG= 1095.17
FG= 1095.70
FG= 1097.97
FG= 1100.37
FG= 1102.77
FG= 1105.17
FG= 1107.29
FG= 1108.82
FG= 1109.75

1120 1115 1110 1105 1100 1095 1090 1085 1080 1075

138+00 139+00 140+00 141+00 142+00 143+00 144+00 145+00 146+00 147+00 148+00 149+00 150+00 151+00 152+00 153+00

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R029

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BM#130 #4 REBAR W/ CAP SET FLUSH WITH GROUND
STA. 11+05.91(A002B), 34.77 LT. EL.1144.77

BM#130 #4 REBAR W/ CAP SET FLUSH WITH GROUND
STA. 16+34.10(A002B), 30.46 LT. EL.1169.46

BM#128 #4 REBAR W/ CAP SET FLUSH WITH GROUND
STA. 23+32.91(A002B), 39.40 LT. EL.1167.98

UNLESS OTHERWISE NOTED, ALL RIGHT-OF-WAY LABELS ARE BASED ON SURVEY ALIGNMENT A001.

LEGEND
- CONCRETE PAVEMENT
- ASPHALT PAVEMENT
- MILL AND OVERLAY

SEC 32 T15N R02W

SEC 33 T15N R02W

SEC 05 T14N R02W

SEC 04 T14N R02W

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025

SCALE 0 50 100 150

FOR LIMITS OF NO ACCESS DATA SEE SHEET R018

FOR GEOMETRIC DATA, REFER TO SHEETS R001 - R017

NOTE: LOT LINES NORTH OF WATERLOO RD. FROM SOONER RD. TO RAMP C WERE RECEIVED FROM THE DEVELOPER AND HAVE NOT BEEN SURVEYED.

KANALY'S RI-ANN ADDITION

15+00 (A002B)

20+00 (A002B)

25+00 (A002B)

40+00

STA. 45+00.00

C.R.L. STA. 40+05.90
BEGIN CONSTRUCTION
WATERLOO RD.

C.R.L. WATERLOO

SECTION LINE N89°34'24.64"E 2649.54'

SECTION LINE N00°35'19.77"E 2633.18'

SURVEY ℄ (A007)

SURVEY ℄ (A002B)

N00°20'01.51"W 2676.31'

Sta. 24+48.52 12"x30.3' CGMP
SD CL 25.2' Rt. (A002b)
fl. Elev. = 1160.54' W. & 1158.77' E.
REMOVE

Sta. 26+18.58 24"x45.2' CGMP
SD CL 25.2' Rt. (A002b)
fl. Elev. = 1149.48' W. & 1147.98' E.
REMOVE

Sta. 27+09.48 15"x26.2' CGMP
SD CL 117.7' Rt. (A002b)
fl. Elev. = 1144.50' W. & 1143.81' E.
TO REMAIN

Sta. 14+20.96 24"x40.3' CGMP
SD CL 20.5' Lt. (A002b)
fl. Elev. = 1153.55' W. & 1154.95' E.
TO REMAIN

Sta. 14+70.97 15"x20.6' RCP
SD CL 25.2' Rt. (A002b)
fl. Elev. = 1156.54' W. & 1157.15' E.
REMOVE

Sta. 16+14.53 15"x47.0' CGMP
SD CL 19.7' Rt. (A002b)
fl. Elev. = 1162.89' W. & 1164.68' E.
REMOVE

Sta. 21+67.89 CL 15"x68.5' Rdy.
CGMP "X"ing CL 41.98' Rt. & 26.22' Lt. (A002b)
fl. Elev. = 1173.60' Rt. & 1172.82' Lt.
REMOVE

STA 42+70 LT
CONST. 26' CONC. DR.
AS DIKE

STA 42.47 RT
CONST. 12' ASPH. DR.
AS DIKE

STA 42+54.35

STA 44+37.34 RT
CONST. 6' SIDEWALK

STA 44+28 RT
CONST. 22' ASPH. DR.
AS DIKE

STA 25+57.73 (A002B) TO STA. 12+37.87 (A002)
CONST. FENCE STYLE SWF (5BW)
881 L.F.

WATERLOO RD.

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R030

Preliminary Plans

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

UTILITY CONTACTS

COMMUNICATION LINES	
AT&T (USIC)	405-680-5803
CHICKASAW TELEPHONE INDIAN NATION FIBER OPTIC	405-946-1200
DCP MIDSTREAM	405-605-3855
ELECTRICAL LINES	
OG&E	405-272-9741
GAS LINES	
DCP MIDSTREAM	405-760-3600
ONG (USIC)	405-250-3891
OIL LINES	
CENTURION PIPELINE	405-590-3974
PEDESTAL OIL COMPANY	405-236-8596
SOUTHERN STAR CENTRAL GAS AND PIPELINE	405-823-8497
WATER LINES	
LOGAN COUNTY RWD#1	405-282-0746

LEGEND
- FINISHED GRADE
- EXISTING GRADE
- SPECIAL DITCH RT
- SPECIAL DITCH LT

Preliminary Plans

30+00 31+00 32+00 33+00 34+00 35+00 36+00 37+00 38+00 39+00 40+00 41+00 42+00 43+00 44+00 45+00

1215 1210 1205 1200 1195 1190 1185 1180 1175 1170 1165 1160 1155 1150 1145 1140 1135 1130 1125 1120 1115

EXISTING
OFILL

PVC 40+15.00
Elev= 1174.35

L= 50.00
K= 83.34

PVI 40+40.00
Elev= 1173.06

PVT 40+65.00
Elev= 1171.63

-5.75%

224

PROPOSED
FINISH
GRADE

SEE SHEETS R105 - R116
FOR STORM SEWER PROFILES

EXISTING OVERHEAD POWER
CROSSING STA. 39+70.73

EXISTING TELE LINE
CROSSING STA. 40+32.64

EXISTING GAS LINE
CROSSING STA. 40+56.92

FG= 1169.61
FG= 1163.86
FG= 1158.11
FG= 1152.36
FG= 1146.61

WATERLOO RD.

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COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO R031

BM#127 #4 REBAR W/ CAP SET FLUSH WITH GROUND
STA. 29+98.66(A002B), 34.74 RT, EL.1128.92

BM#134 ODOT SD-11 #0-55-1787 #6 REBAR W/CAP
STA. 15+78.03(A002), 79.82 RT, EL.1117.18

SEC 33
T15N R02W

FOR GEOMETRIC DATA, REFER TO SHEETS R001 - R017

Sta. 27+01.48 15"x26.2' CGMP
SD CL 111.7' Rt. (A002b)
Elev. = 1141.50' W. & 1143.81' E.
TO REMAIN

Sta. 12+07.01 SD CL 27.48' Rt. (A002) 18" CGMP
Elev. = 1115.98' E. & 1116.85' W. 49.70'L
REMOVE

Sta. 13+83.30 SD CL 22.06' Rt. (A002) 24" CGMP
Elev. = 1113.50' E. & 1113.92' W. 67.81'L
REMOVE

Sta. 15+98.86 15"x180.64' CGMP
SD CL 221.37' Rt. (A002)
Elev. = 1111.83' NE. & 1111.00' SW.
REMOVE

Sta. 20+26.94 18"x218.93' CGMP
Xing CL. (A008)
E. Elev. = 1102.66' E. & 1107.52' W.
REMOVE

Sta. 19+00.89 SD CL 5.95' Lt. (A002) 21"x47"x47" RCB
Elev. = 1099.98' (A002) & 1099.98' (A008)
INSERT NEW PIPE AND CL SW BACKFILL

NOTE: LOT LINES AND DRAINAGE EASEMENT, NORTH OF WATERLOO RD. FROM SOONER RD. TO RAMP C WERE RECEIVED FROM THE DEVELOPER AND HAVE NOT BEEN SURVEYED.

FOR LIMITS OF NO ACCESS DATA SEE SHEET R018

UNLESS OTHERWISE NOTED, ALL RIGHT-OF-WAY LABELS ARE BASED ON SURVEY ALIGNMENT A001.

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025

0 50 100 150
SCALE

Sta. 21+44.94 CL O-H P. (A002)
*Xing CL Wire Elev. = 1132.00'
Sta. 21+59.06 56.05' Rt.
*Xing CL Low Wire Elev. = 1132.05'
Sta. 21+15.69 51.06' Rt.
Low Wire Elev = 1132.60'
Sta. 22+93.22' 73.45' Rt.
Low Wire Elev = 1139.29'

STA 56+62 LT
CONST. 40' CONC. DR.
AS DIKE

STA 51+88 LT
CONST. 25' CONC. DR.
AS DIKE

STA 50+11 LT
CONST. 24' CONC. DR.
AS DIKE

RETAINING WALL C

STA 49+15 RT
CONST. 12' TBSC. DR.
AS DIKE

STA. 52+25 RT
CONST. 11' TBSC. DR.
AS DIKE

STA. 54+00 RT
CONST. 36' ASPH. DR.
AS DIKE

TEMP. R/W TO CONST. DRIVE

TEMP. R/W TO CONST. DRIVE

30+00 (A002B)

50+00

55+00

15+00 (A002)

STA. 45+00.00

STA. 60+00.00

5+00 EB (A)

C.R.L. WATERLOO

SURVEY ℄ (A002B)

SURVEY ℄ (A002)

SECTION LINE N89°34'24.64"E

2649.54'

E-W 89

℄ FRONTAGE

℄ BOUCHER

R. WATERLOO WB

R. WATERLOO EB

C.R.L. WATERLOO

WBBL

EBBL

PUE

R/W

PRES. R/W

TOC/TOS

Asphalt

Concrete

Gravel

Grass

Parking Bumpers

Asphalt Parking

Church

Single Story Brick Office Spaces On Conc. Slab FF=1120.09'

Steel Storage BLDG

Guard Posts

Conc.

Asph.

Parking

Flume

RipRap

Chain Link w/Barbed Wire

Air Compressor

CENTOURION PIPELINE GAS

CENTOURION PIPELINE 2-16"

12"CGMP

℄ (N)=1118.07

℄ (S)=1118.29

LEGEND

- CONCRETE PAVEMENT
- ASPHALT PAVEMENT
- MILL AND OVERLAY

Preliminary Plans

SEC 04
T14N R02W

WATERLOO RD.

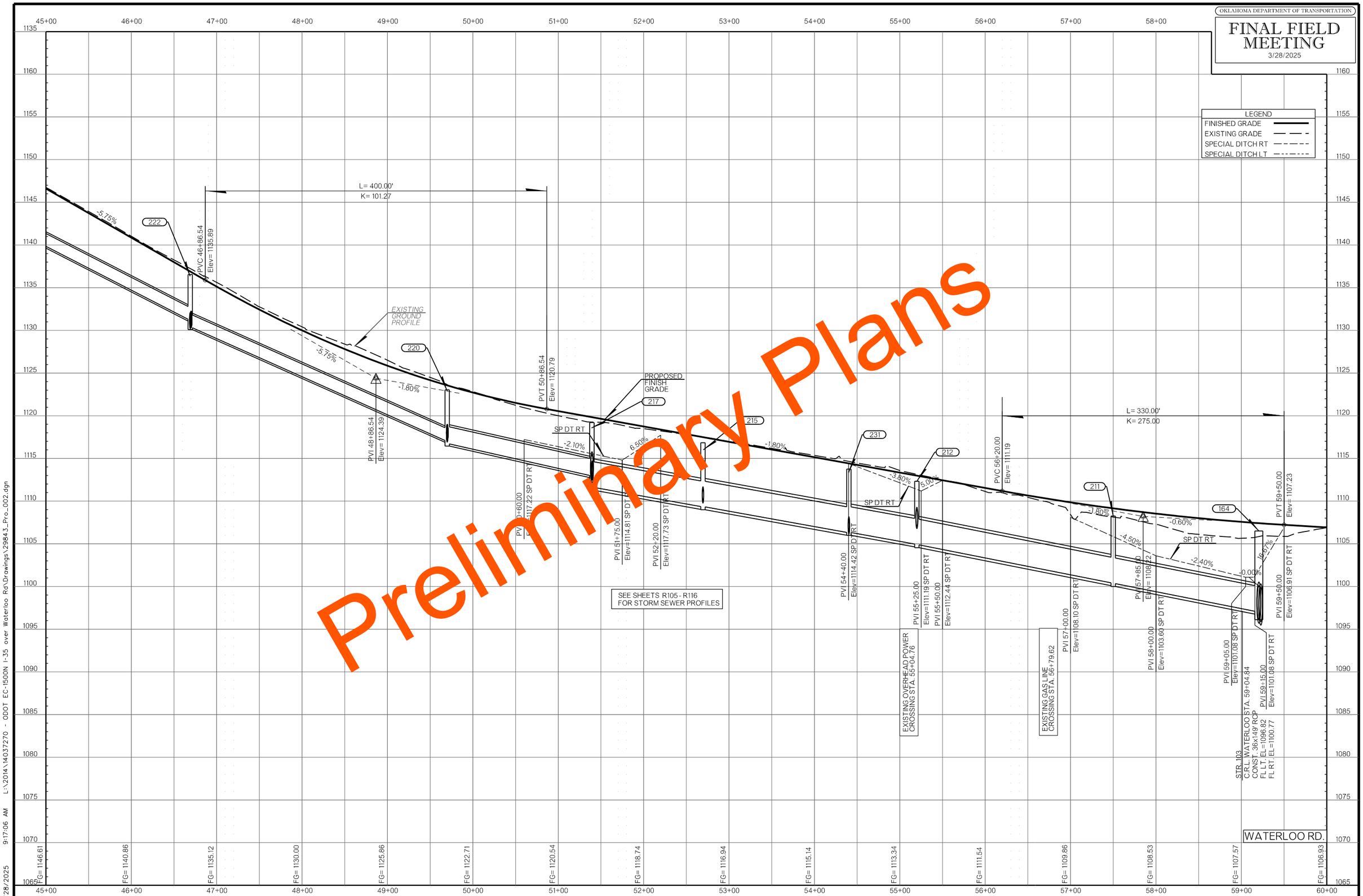
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R032

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025



Preliminary Plans

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COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R033

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

SCALE 0 50 100 150

SEC 33
T15N R02W

SEC 04
T14N R02W

STA. 143+55.79 (A001) TO STA. 163+10.00 (A001)
CONST. FENCE STYLE WWF (3BW)
1,976 L.F.

BM#110 #6 REBAR W/ CAP SET FLUSH WITH GROUND
STA. 138+10.27(A001), 369.89 RT. EL.1099.98

BM#114 #6 REBAR W/ CAP SET FLUSH WITH GROUND
STA. 142+97.13(A001), 332.14 RT. EL.1111.75

BM#133 ODOT SD-11 #0-55-1787 #6 REBAR W/CAP
STA. 22+82.32(A002), 101.27 RT. EL.1112.30

FOR GEOMETRIC DATA, REFER TO SHEETS R001 - R017

UNLESS OTHERWISE NOTED, ALL RIGHT-OF-WAY LABELS ARE BASED ON SURVEY ALIGNMENT A001.

STA. 140+41.76 (A001) TO STA. 170+62.80 (A001)
CONST. FENCE STYLE WWF (3BW)
3,041 L.F.

STA. 136+45.00 (A001) TO 22+75.00 (A002)
CONST. FENCE STYLE WWF (3BW)
145 L.F.

STATION 16+52
SIGN STRUCTURE NO. 2

STA. 72+65 LT
CONST. 45' CONC. DR. AS DIKE

STA. 6+00
SIGN STRUCTURE NO. 1

C.R.L. I-35
STA. 139+26.86 = ℄ WATERLOO RD.
STA. 66+64.59

FOR LIMITS OF NO ACCESS DATA SEE SHEET R018

LEGEND
- CONCRETE PAVEMENT
- ASPHALT PAVEMENT
- MILL AND OVERLAY

WATERLOO RD.

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R034

Preliminary Plans

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

LEGEND	
FINISHED GRADE	———
EXISTING GRADE	— — —
SPECIAL DITCH RT	— — — —
SPECIAL DITCH LT	— - — - —

Preliminary Plans

BRIDGE 'B'

BRIDGE 'A'

RETAINING WALL A

-0.60%

-0.60%

-3.60%

-3.60%

-3.60%

2.10%

2.10%

2.10%

PVC 61+05.83
Elev= 1108.29

PVI 63+05.83
Elev= 1105.09

PVC 65+60.00
Elev= 1095.94

PVT 65+05.83
Elev= 1097.83

L= 400.00'
K= 133.33

MH145

MH146

MH147

141

F141R

PVI 67+00.00
Elev= 1090.00

L= 280.00'
K= 49.12

PVT 68+40.00
Elev= 1093.84

PROPOSED FINISH GRADE

EXISTING GROUND PROFILE

PVC 73+00.00
Elev= 1103.50

L= 500.00'
K= 61.73

EXISTING OIL LINE CROSSING STA. 61+84.20

EXISTING OIL LINE CROSSING STA. 61+96.73

EXISTING TELE LINE CROSSING STA. 62+98.32

EXISTING OIL LINE CROSSING STA. 64+97.48

EXISTING OIL LINE CROSSING STA. 65+13.71

EXISTING TELE LINE CROSSING STA. 66+03.32

EXISTING FIBER OPTIC LINE CROSSING STA. 70+36.50

EXISTING OVERHEAD POWER CROSSING STA. 70+41.80

EXISTING GAS LINE CROSSING STA. 72+17.16

EXISTING UNDERGROUND POWER CROSSING STA. 73+95.82

EXISTING TELE LINE CROSSING STA. 74+30.02

SEE SHEETS R105 - R116
FOR STORM SEWER PROFILES

WATERLOO RD.

FG= 1106.93 | FG= 1106.33 | FG= 1105.39 | FG= 1103.71 | FG= 1101.28 | FG= 1098.10 | FG= 1094.66 | FG= 1092.90 | FG= 1093.16 | FG= 1095.10 | FG= 1097.20 | FG= 1099.30 | FG= 1101.40 | FG= 1103.50 | FG= 1104.79 | FG= 1104.46

60+00 61+00 62+00 63+00 64+00 65+00 66+00 67+00 68+00 69+00 70+00 71+00 72+00 73+00 74+00 75+00

1165 1160 1155 1150 1145 1140 1135 1130 1125 1120 1115 1110 1105 1100 1095 1090 1085 1080 1075 1070 1065

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COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R035

FOR GEOMETRIC DATA, REFER TO SHEETS R001 - R017

BM#111 #6 REBAR W/ CAP SET FLUSH WITH GROUND STA. 35+36.78(A002), 35.53 LT. EL.1103.75

BM#112 #6 REBAR W/ CAP SET FLUSH WITH GROUND STA. 40+57.48(A002), 29.23 LT. EL.1073.59

BM#113 CITY OF EDMOND 3 1/2" BRASS CAP GPS MONUMENT STA. 42+92.02(A002), 38.36 RT. EL.1063.05

BM#135 #4 REBAR W/ CAP SET FLUSH WITH GROUND STA. 47+12.93(A002), 40.34 LT. EL.1060.39

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

SEC 33
T15N R02W

0 50 100 150
SCALE

LEGEND
- CONCRETE PAVEMENT
- ASPHALT PAVEMENT
- MILL AND OVERLAY

UNLESS OTHERWISE NOTED, ALL RIGHT-OF-WAY LABELS ARE BASED ON SURVEY ALIGNMENT A001.

Preliminary Plans

STA. 75+00.00 C.R.L. WATERLOO SURVEY ℄ (A002)

SECTION LINE N89°34'02.99"E 2654.79'

STA. 76+66.16 PI

STA. 78+49 LT CONST. 32' ASPH. DR. AS DIKE

STA. 75+62 LT CONST.46' CONC. DR. AS DIKE

RETAINING WALL B

TEMP. R/W TO CONST. ROAD

80+00 (A002) 40+00 (A002)

C.R.L. STA. 84+05.00 END CONSTRUCTION WATERLOO RD.

85+00 (A002) 45+00 (A002)

COWBELL TRIBUTARY

COWBELL CREEK

STA 75+60.00 RT CONST. 36' ASPH. STREET RETURN AS DIKE

STA. 30+47.95 (A002) TO STA. 37+00.00 (A002) CONST. FENCE STYLE WWF (3BW) 995 L.F.

STA. 37+00.00 (A002) TO STA. 44+25.59 (A002) CONST. FENCE STYLE WWF (5BW) 626 L.F.

STA. 81+00.00 PI

STA. 83+81.89 PI

STA. 37+11.64 PT

INDUSTRIAL

WATERLOO RD.

FOR LIMITS OF NO ACCESS DATA SEE SHEET R018

SEC 04
T14N R02W

Sta. 36+26.23 253.63' Lt. (A002) 24"x276.14L #8 SDMH
TR = 1108.54'
IE, Elev. = 1103.29' N, 6" PVC
IE, Elev. = 1103.29' E, 24" Poly
IE, Elev. = 1103.24' NW, 24" Poly
TO REMAIN

Sta. 36+70.54 336.00' Lt. (A002) 24"x63.28L #10 SDMH
TR = 1097.00'
IE, Elev. = 1090.00' W, 24" Poly
IE, Elev. = 1089.85' S, 24" Poly
IE, Elev. = 1089.85' E, 24" Poly
TO REMAIN

Sta. 36+70.54 336.05' Lt. (A002) 24"x185.67L #11 Storm Inlet
TG = 1105.58'
IE, Elev. = 1099.18' E, 24" Poly
TO REMAIN

Sta. 37+01.67 125.42' Lt. (A002) 24"x116.16L #4 Double Grate Drop Inlet
TG = 1103.33'
IE, Elev. = 1099.38' NE, 24" Poly
TO REMAIN

Sta. 37+39.55 182.28' Lt. (A002) 24"x22.82L #5 SDMH
TR = 1105.49'
IE, Elev. = 1098.44' SW, 24" Poly
IE, Elev. = 1098.34' NW, 24" RCP
IE, Elev. = 1098.34' NE, 24" Poly
TO REMAIN

Sta. 37+40.78 219.92' Lt. (A002) 24"x43.38L #6 SDMH
TR = 1105.93'
IE, Elev. = 1098.08' N, 24" Poly
IE, Elev. = 1101.93' W, 24" RCP
IE, Elev. = 1098.18' SW, 24" Poly
TO REMAIN

Sta. 37+42.46 288.48' Lt. (A002) 24"x85.13L #7 SDMH
TR = 1106.04'
IE, Elev. = 1097.44' S, 24" Poly
IE, Elev. = 1098.49' W, 24" Poly
IE, Elev. = 1093.34' N, 24" Poly
TO REMAIN

Sta. 38+44.12 393.96' Lt. (A002) 24"x84.17L #13 SDMH
TR = 1090.28'
IE, Elev. = 1083.88' S, 24" Poly
IE, Elev. = 1082.48' NE, 24" Poly
TO REMAIN

Sta. 37+70.66 333.31' Rt. (A002) 24"x42.57L #12 Storm Inlet
TG = 1089.50'
IE, Elev. = 1085.57' W, 24" Poly
IE, Elev. = 1085.53' N, 24" Poly
TO REMAIN

Sta. 47+01.95 CL 48"x60.8' RCP, CGMP "KYing CL 27.9' Rt. & 25.0' Lt. (A002)
IE, Elev. = 1054.61' Rt. & 1055.37' Lt.
REMOVE

Sta. 48+14.68 CL 15"x35.7'L, CMP "KYing CL 24.4' Rt. (A002)
IE, Elev. = 1060.14' W. & 1061.43' E.
REMOVE

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R036

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

LEGEND	
FINISHED GRADE	———
EXISTING GRADE	— — —
SPECIAL DITCH RT	– – – –
SPECIAL DITCH LT	– – – –

Preliminary Plans

RETAINING WALL B

EXISTING OVERHEAD POWER CROSSING STA. 76+54.50

EXISTING GROUND PROFILE

113

111

PROPOSED FINISH GRADE

SP DT LT

PVI 75+50.00 Elev= 1108.75

2.10%

-6.00%

PVT 78+00.00 Elev= 1093.75

L= 500.00'
K= 61.73

PVC 81+53.00 Elev= 1074.

PVI 80+00.00 Elev=1077.

L= 250.00'
K= 54.47

PVT 84+03.00 Elev= 1063.31

PVI 84+06.00 Elev= 1063.28

-1.41%

PVI 82+78.00 Elev= 1065.07

-1.50%

PVI 83+00.00 Elev=1059.83 SP DT LT

PVI 84+09.00 Elev=1058.19 SP DT LT

SEE SHEETS R105 - R116
FOR STORM SEWER PROFILES

WATERLOO RD.

FG= 1104.46 | FG= 1102.51 | FG= 1098.94 | FG= 1093.75 | FG= 1087.75 | FG= 1081.75 | FG= 1075.75 | FG= 1069.95 | FG= 1065.73 | FG= 1063.35

75+00 76+00 77+00 78+00 79+00 80+00 81+00 82+00 83+00 84+00 85+00 86+00 87+00 88+00 89+00 90+00

1135 1130 1125 1120 1115 1110 1105 1100 1095 1090 1085 1080 1075 1070 1065 1060 1055 1050 1045 1040 1035

1025 1020 1015 1110 1105 1100 1095 1090 1085 1080 1075 1070 1065 1060 1055 1050 1045 1040 1025

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COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R037

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

SEC 04
T14N R02W

SEC 33
T15N R02W

15+00 (A008)

20+00 (A008)

SECTION LINE

C.R.L. WATERLOO

℄ BOUCHER

℄ WATERLOO EB

℄ WATERLOO WB

℄ FRONTAGE

℄ STA. 11+61.65
BEGIN CONSTRUCTION
BOUCHER DR.

℄ STA. 15+75.39
END CONSTRUCTION
BOUCHER DR.

TEMP. R/W TO CONST. DRIVE

STA. 13+65 LT
CONST. 34' ASPH. DR.
AS DIKE

PC BOUCHER
STA. 11+61.65

PI BOUCHER
STA. 12+04.65

PT BOUCHER
STA. 12+47.65

PT (A008)
STA. 16+98.12

PI (A008)
STA. 17+65.57

PT (A008)
STA. 18+32.82

TOC/TOS

R/W

PUE

PRESS. R/W

Asphalt

Concrete

Gravel

Grass

Parking

Pond

Steel Cable

5'Chainlink

6 Chainlink W/ 3 Strand BW (Not Right Inside)

CENTURION PIPE LINE GAS

Single Story Brick Office Spaces On Conc. Slab FF=1121.19'

Single Story Wood Storage On Conc. Slab FF=1140.01'

Sta. 20+28.94 18"x218.93' CGMP
*X'ing CL (A008)
*L Elev.= 1102.66' E. & 1107.52' W.
REMOVE
Sta. 18+04.98 15" 180.54'L
Sta. 18+07.92 24" 211.44'(A008)
*L Elev.= 1111.26' S. & 1111.83' N.
REMOVE

NOTE: LOT LINES AND DRAINAGE EASEMENT, NORTH OF WATERLOO RD. FROM SOONER RD. TO RAMP C WERE RECEIVED FROM THE DEVELOPER AND HAVE NOT BEEN SURVEYED.

FOR GEOMETRIC DATA, REFER TO SHEETS R001 - R017

0 50 100 150
SCALE

LEGEND
- CONCRETE PAVEMENT
- ASPHALT PAVEMENT
- MILL AND OVERLAY

BOUCHER

BM#134 ODOT SD-11 #0-55-1787 #6 REBAR W/CAP
STA. 15+78.03(A002), 79.83 RT. EL.1117.18

LEGEND
- FINISHED GRADE
- EXISTING GRADE
- SPECIAL DITCH RT
- SPECIAL DITCH LT

PVI 11+61.65 Elev= 1123.14
PVC 11+68.00 Elev= 1122.89
L= 120.00'
K= 109.09
-4.00%
+4.00%

PVI 12+06.00 Elev= 1120.80 SP DT LT
PVI 12+28.00 Elev= 1120.49
SP DT LT
-4.00%
-4.30%

PVI 13+05.00 Elev= 1116.50 SP DT LT
PVI 13+15.00 Elev= 1116.50 SP DT LT
PVI 13+40.00 Elev= 1117.30 SP DT LT
PVC 13+50.00 Elev= 1116.95
-4.30%
+3.00%
-2.90%

PVI 14+00.00 Elev= 1116.50
PVRC 14+50.00 Elev= 1113.50
L= 100.00'
K= 50.00
-2.90%
+4.00%

PVT 15+50.00 Elev= 1110.50
PVI 15+75.39 Elev= 1109.99
-4.00%
+2.00%

PVI 15+00.00 Elev= 1111.50
L= 100.00'
K= 90.91

EXISTING GRADE ℄ ROAD

FINISHED GRADE WATERLOO RD.

EXISTING GAS LINE CROSSING STA. 11+28.51

EXISTING OVERHEAD POWER CROSSING STA. 15+40.51

EXISTING GAS LINE CROSSING STA. 15+47.75

EXISTING TELE. LINE CROSSING STA. 15+54.56

FG= 1121.65
FG= 1118.40
FG= 1115.36
FG= 1111.75

SEE SHEETS R105 - R116
FOR STORM SEWER PROFILES

1135 1130 1125 1120 1115 1110 1105 1100 1095 1090

9+00 10+00 11+00 12+00 13+00 14+00 15+00 16+00 17+00

Preliminary Plans

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COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R038

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

SCALE 0 50 100 150

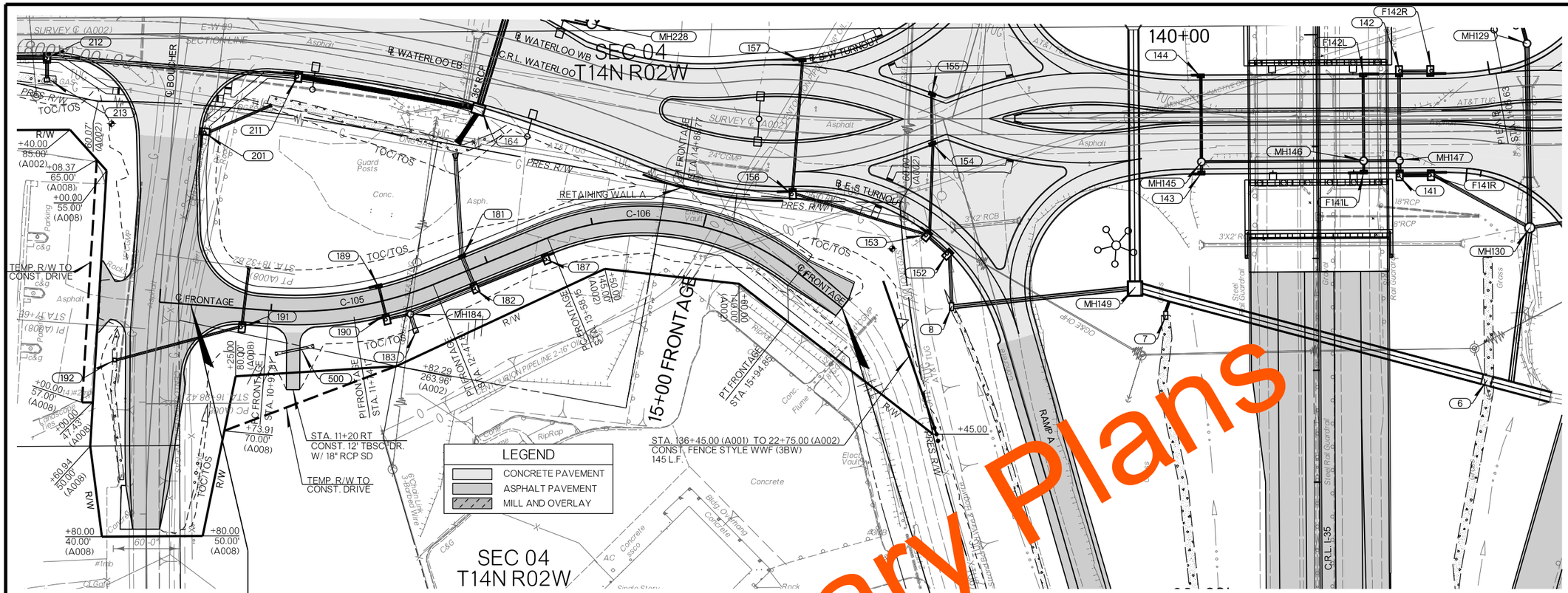
Sta. 1+56.42 24° 39' 72" Lt. CGMP
SD CL 116.75' Rt. (A003)
FL Elev. = 1113.04' NE & 1113.64' SW.
TO REMAIN

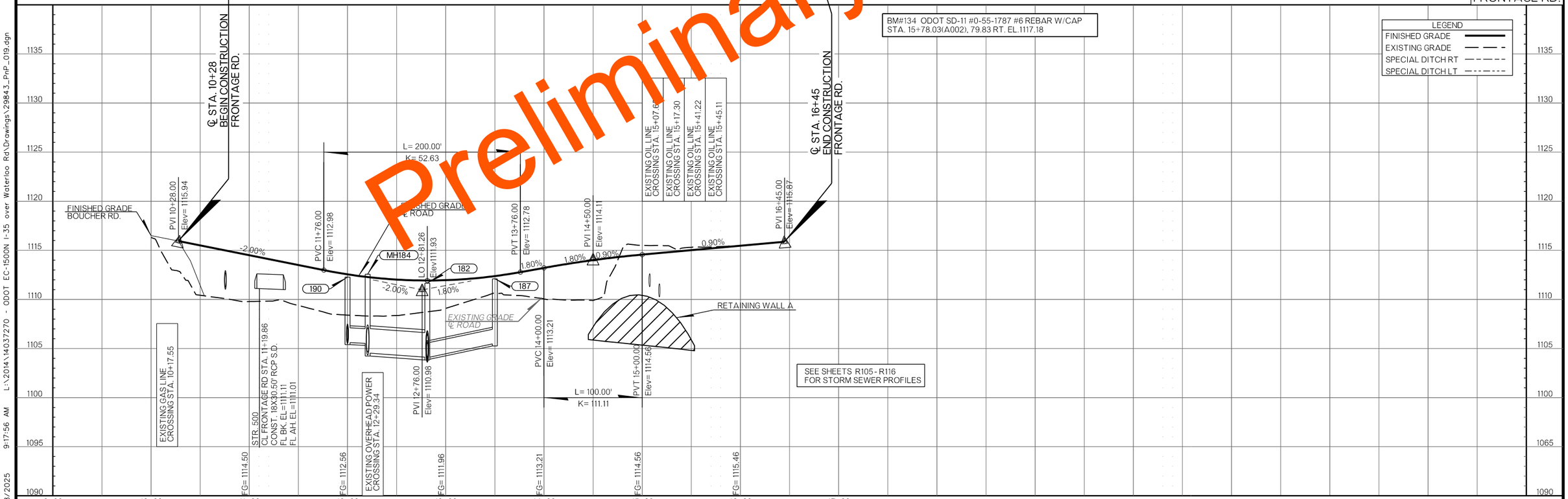
Sta. 21+36.02 SD CL 36.12' Rt. (A002) 24" CGMP
FL Elev. = 1107.45' W, 1107.45' W, 60.22' L
REMOVE

FOR LIMITS OF NO ACCESS DATA SEE SHEET R018

UNLESS OTHERWISE NOTED, ALL RIGHT-OF-WAY LABELS ARE BASED ON SURVEY ALIGNMENT A001.

FOR GEOMETRIC DATA, REFER TO SHEETS R001 - R017





Preliminary Plans

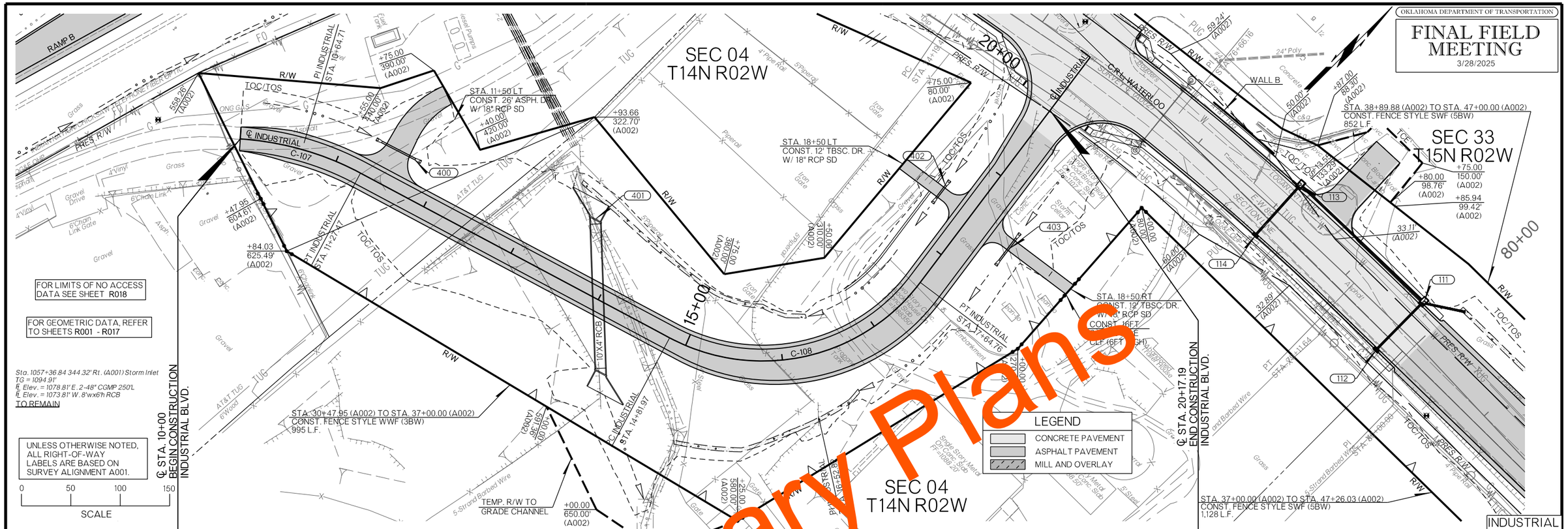
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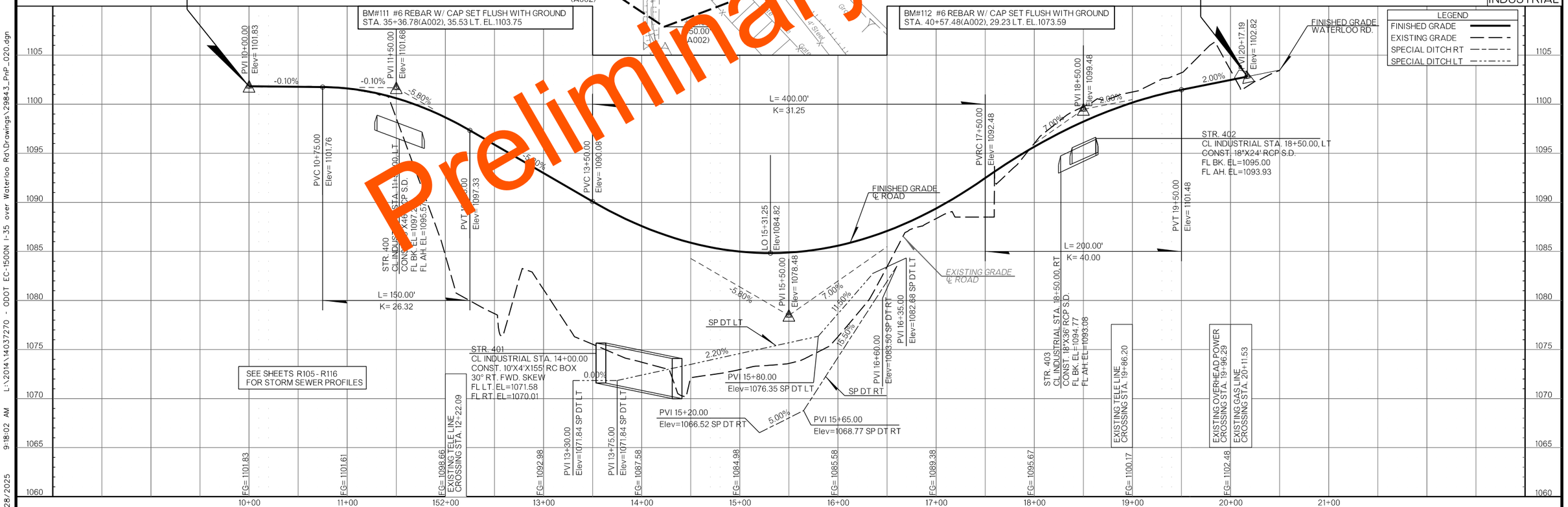
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R039

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025





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COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R040

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

SCALE 0 50 100 150

SEC 33
T15N R02W

SEC 04
T14N R02W

Sta. 26+50.49 SD CL 0.65' Rt.
(A002) 8'wx6'h RCB, E. Elev. = 1079.73' N.
& 1078.84' S. 81.46'L
INSERT NEW PIPE AND CLSM BACKFILL
Sta. 11+49.42 SD CL 7.09' Lt.
(A006) 8'wx6'h RCB Headwall
E. Elev. = 1086.95' E. & 1087.14' W. 69.82'L
EXTEND
Sta. 11+48.62' 2-36" 24.163'L CGMP
SD CL 99.21' Rt. (A006)
E. Elev. = 1089.14' NW. & 1088.45' SE.
REMOVE
Sta. 0+60.05 0.38' Rt. (A005)
3'wx2'h RCB Headwall
E. Elev. = 1082.55' E. &
1082.05' W. 119.24'L
REMOVE

STA. 143+55.79 (A001) TO STA. 163+10.00 (A001)
CONST. FENCE STYLE WWF (3BW)
1,976 L.F.

NOTE: LOT LINES AND DRAINAGE EASEMENT, NORTH OF WATERLOO RD. FROM SOONER RD. TO RAMP C WERE RECEIVED FROM THE DEVELOPER AND HAVE NOT BEEN SURVEYED.

FOR LIMITS OF NO ACCESS DATA SEE SHEET R018

UNLESS OTHERWISE NOTED, ALL RIGHT-OF-WAY LABELS ARE BASED ON SURVEY ALIGNMENT A001.

FOR GEOMETRIC DATA, REFER TO SHEETS R001 - R017

BM#109 #6 REBAR W/ CAP SET FLUSH WITH GROUND
STA. 132+91.83(A001), 262.83 RT. EL.1102.21

BM#110 #6 REBAR W/ CAP SET FLUSH WITH GROUND
STA. 138+10.27(A001), 369.89 RT. EL.1099.98

STA. 140+41.76 (A001) TO STA. 170+62.80 (A001)
CONST. FENCE STYLE WWF (3BW)
3,041 L.F.

LEGEND
- CONCRETE PAVEMENT
- ASPHALT PAVEMENT
- MILL AND OVERLAY

Preliminary Plans

LEGEND
- FINISHED GRADE
- EXISTING GRADE
- SPECIAL DITCH RT
- SPECIAL DITCH LT

SEE SHEETS R105 - R116
FOR STORM SEWER PROFILES

S-W TURNOUT
PVI 1+00.00 Elev= 1100.02
PVC 1+50.00 Elev= 1100.12
PVRC 2+50.00 Elev= 1102.05
PVI 3+00.00 Elev= 1103.87
PVI 3+61.21 Elev= 1104.73
PVT 3+50.00 Elev= 1104.57
PVI 2+00.00 Elev= 1100.22
L= 100.00' K= 28.99
L= 100.00' K= 44.44
0.20% 3.66% 3.65% 1.40%
FINISHED GRADE ℄ TURN-OUT
EXISTING GRADE ℄ TURN-OUT
FG= 1100.02 FG= 1100.65 FG= 1103.59

S-E TURNOUT
PVI 1+00.00 Elev= 1100.57
PVI 1+60.00 Elev= 1100.93
PVC 1+10.00 Elev= 1100.63
H 1+28.42 Elev= 1100.68
PVI 2+50.00 Elev= 1098.54
PVCC 2+10.00 Elev= 1099.60
PVT 2+90.00 Elev= 1097.26
PVI 2+94.38 Elev= 1097.12
L= 100.00' K= 30.79
L= 80.00' K= 145.45
0.60% 0.60% -2.65% -2.65% -3.20% -3.40%
FG= 1100.57 FG= 1099.85

E-N TURNOUT
PVI 1+00.00 Elev= 1092.70
PVC 1+65.00 Elev= 1093.61
PVRC 2+35.00 Elev= 1094.78
PVI 2+70.00 Elev= 1095.46
PVI 3+09.81 Elev= 1095.86
PVI 2+90.00 Elev= 1094.10
PVT 3+05.00 Elev= 1095.81
L= 70.00' K= 127.27
L= 70.00' K= 73.54
1.40% 1.95% 1.00% 1.00%
FG= 1092.70 FG= 1094.14 FG= 1095.76

W-N TURNOUT
PVI 1+00.00 Elev= 1099.22
PVI 1+75.00 Elev= 1097.49
PVC 1+45.00 Elev= 1098.18
PVRC 2+06.00 Elev= 1096.47
PVI 2+70.00 Elev= 1094.26
LO 2+97.08 Elev= 1094.91
PVT 3+35.00 Elev= 1095.17
PVI 3+63.58 Elev= 1095.57
L= 130.00' K= 27.08
L= 60.00' K= 54.55
-2.30% -2.30% -3.40% -3.40% 1.40%
FG= 1099.22 FG= 1096.64 FG= 1094.91

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R041

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

BM#109 #6 REBAR W/ CAP SET FLUSH WITH GROUND
STA. 132+91.83(A001), 262.83 RT. EL.1102.21

BM#110 #6 REBAR W/ CAP SET FLUSH WITH GROUND
STA. 138+10.27(A001), 369.89 RT. EL.1099.98

NOTE: LOT LINES AND DRAINAGE EASEMENT, NORTH OF WATERLOO RD. FROM SOONER RD. TO RAMP C WERE RECEIVED FROM THE DEVELOPER AND HAVE NOT BEEN SURVEYED.

SEC 33
T15N R02W

SCALE 0 50 100 150

STA. 140+41.76 (A001) TO STA. 170+62.80 (A001)
CONST. FENCE STYLE WWF (3BW)
3,041 L.F.

WATERLOO WB
C.R.L. WATERLOO
WATERLOO EB
BRIDGE 'A'
BRIDGE 'B'
W-N TURNOUT
N-E TURNOUT
E-S TURNOUT
W-S TURNOUT
N-W TURNOUT
RETAINING WALL A
FRONTAGE RD
RAMP A
RAMP B
RAMP C
TOC/TOS
PRES. R/W
R/W
TUC
TUG
PC STA. 70+35.10
POB W-S STA. 1+00.00
POE W-S STA. 3+31.13
POB E-S STA. 1+00.00
POE E-S STA. 3+18.61
POB N-W STA. 1+00.00
POE N-W STA. 3+12.98
POB N-E STA. 1+00.00
POE N-E STA. 3+57.39
PC STA. 59+53.90
PRC STA. 69+53.90
PI STA. 62+19.64
PI STA. 72+43.34
PI STA. 74+50.61
PI STA. 17+81.13
PI STA. 2+49.98
PI STA. 2+49.98
PI STA. 2+31.23
PI STA. 2+30.78
PI STA. 1+39.41
MH228
MH184
MH149
MH145
MH146
MH147
MH129
MH130
MH134
002A
002B
CENTOURION PIPELINE 21/16" OIL LINES
CENTOURION PIPELINE 2-16" OIL LINES
CENTOURION PIPELINE GAS
AT&T TUG
AT&T TUC
OG&E OHP
OG&E UGP
Steel Rail Guardrail
C.R.L. (L-35)
8'X6' RCB
3'X2' RCB
24"CGMP
36" RCP
30" RCP
18" RCP
12"CGMP
Chain Link w/Barbed Wire
Concrete
Asphalt
Gravel
Grass
Guard Posts
Single Story Rock Bldg. On Conc. Slab FF=1100.84'
Stucco Add'n
Covered Gas Pump Islands
Diesel Pumps
MW's
Fuel Tank
EX-I/N1
E-W-39 SECTION LINE

STA. 136+45.00 (A001) TO 22+75.00 (A002)
CONST. FENCE STYLE WWF (3BW)
145 L.F.

UNLESS OTHERWISE NOTED, ALL RIGHT-OF-WAY LABELS ARE BASED ON SURVEY ALIGNMENT A001.

FOR LIMITS OF NO ACCESS DATA SEE SHEET R018

FOR GEOMETRIC DATA, REFER TO SHEETS R001 - R017

LEGEND
- CONCRETE PAVEMENT
- ASPHALT PAVEMENT
- MILL AND OVERLAY

LEGEND
- FINISHED GRADE
- EXISTING GRADE
- SPECIAL DITCH RT
- SPECIAL DITCH LT

TEMP. R/W TO CONST. DRIVE

Sta. 1057+36.84 344.32' Rt. (A001) Storm Inlet
TG = 1094.91'
fl. Elev. = 1078.81' E. 2-36" CGMP 250'L
fl. Elev. = 1073.81' W. 8'wx6'h RCB
TO REMAIN

Sta. 1057+63.44 207.71' Rt. (A001) 8'wx6'h RCB Headwall
fl. Elev. = 1076.90' W. 1073.81' E. 137.26'L
EXTEND

Sta. 21+36.02 SD CL 36.12' Rt. (A002) 24" CGMP
fl. Elev. = 1107.23' E. & 1107.45' W. 80.22'L
REMOVE

Sta. 28+50.49 SD CL 0.65' Rt. (A002) 8'wx6'h RCB
fl. Elev. = 1079.73' N. & 1078.84' S. 81.46'L
INSERT NEW PIPE AND CLSM BACKFILL

Sta. 0+79.86 SD CL 0.03' Rt. (A002) 8'wx2'h RCB
fl. Elev. = 10[illegible]' E. & 10[illegible]' W. 63.03'L
REMO[illegible]

SEE SHEETS R122 - R133 FOR STORM SEWER PROFILES

E-S TURNOUT
PVI 1+00.00 Elev= 1104.11
PVC 1+05.00 Elev= 1104.05
PVI 1+50.00 Elev= 1103.51
PVC 1+95.50 Elev= 1102.51
PVT 1+95.00 Elev= 1102.52
PVI 2+50.50 Elev= 1101.84
PVT 3+05.50 Elev= 1102.29
PVI 3+48.61 Elev= 1103.06
L= 110.00' K= 27.50
L= 90.00' K= 90.00
EXISTING GRADE ℄ TURN-OUT
FINISHED GRADE ℄ TURN-OUT
-1.20% -1.20% 2.20% -2.30% -2.20% 1.80%
FG= 1104.11 FG= 1102.41 FG= 1102.20

W-S TURNOUT
PVI 1+00.00 Elev= 1095.37
PVC 1+55.00 Elev= 1097.24
PVRC 2+25.00 Elev= 1100.32
PVI 2+65.00 Elev= 1102.48
PVI 3+31.13 Elev= 1103.41
PVT 3+06.00 Elev= 1103.04
PVI 1+90.00 Elev= 1098.43
L= 70.00' K= 35.00
L= 80.00' K= 20.00
3.40% 3.40% 5.40% 1.40% 1.40%
FG= 1095.37 FG= 1099.06 FG= 1102.96

N-W TURNOUT
PVI 1+50.00 Elev= 1098.10
PVRC 1+90.00 Elev= 1096.06
PVT 3+10.00 Elev= 1092.22
PVC 1+10.00 Elev= 1099.14
PVI 2+50.00 Elev= 1093.00
PVI 3+12.96 Elev= 1092.18
L= 120.00' K= 31.58
L= 80.00' K= 32.00
-2.60% -2.60% -5.10% -5.10% -1.30% -1.30%
FG= 1099.40 FG= 1095.57 FG= 1092.37

N-E TURNOUT
PVI 1+00.00 Elev= 1098.11
PVC 1+25.00 Elev= 1097.45
PVI 1+85.00 Elev= 1097.86
PVI 2+45.00 Elev= 1096.94
PVI 3+57.39 Elev= 1098.96
L= 120.00' K= 26.97
-2.65% -2.65% 1.80% 1.80%
FG= 1098.11 FG= 1096.50 FG= 1097.93

Preliminary Plans

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COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R042

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

SEC 33 T15N R02W

SEC 04 T14N R02W

LEGEND
- CONCRETE PAVEMENT
- ASPHALT PAVEMENT
- MILL AND OVERLAY

FOR LIMITS OF NO ACCESS DATA SEE SHEET R018

UNLESS OTHERWISE NOTED, ALL RIGHT-OF-WAY LABELS ARE BASED ON SURVEY ALIGNMENT A001.

0 50 100 150
SCALE

FOR GEOMETRIC DATA, REFER TO SHEETS R001 - R017

BM#111 #6 REBAR W/ CAP SET FLUSH WITH GROUND
STA. 35+36.78(A002), 35.53 LT. EL.1103.75

BM#112 #6 REBAR W/ CAP SET FLUSH WITH GROUND
STA. 40+57.48(A002), 29.23 LT. EL.1073.59

BM#109 #6 REBAR W/ CAP SET FLUSH WITH GROUND
STA. 132+91.83(A001), 262.83 RT. EL.1102.21

BM#110 #6 REBAR W/ CAP SET FLUSH WITH GROUND
STA. 138+10.27(A001), 369.89 RT. EL.1099.98

BM#114 #6 REBAR W/ CAP SET FLUSH WITH GROUND
STA. 142+97.13(A001), 332.14 RT. EL.1111.75

RETAINING WALL A
TOP OF WALL

EXISTING GRADE
℄ WALL A

PVI 1+00.00 Elev= 1106.43
PVI 1+28.87 Elev= 1110.47
PVI 1+91.71 Elev= 1110.47
PVI 2+28.76 Elev= 1105.28
0.00%
-14.00%

2-16" EXIST. OIL LINE
RELOCATED BY OTHERS

RETAINING WALL A
BOTTOM OF WALL

PVC 1+00.04 Elev= 1106.43
PVT 1+57.71 Elev= 1110.47
PVT 2+25.71 Elev= 1105.71
L= 57.67' K= 4.12
L= 68.00' K= 4.86

SEE SHEETS R105 - R116
FOR STORM SEWER PROFILES

WALL A

RETAINING WALL B
TOP OF WALL

EXISTING GRADE
℄ WALL B

PVI 76+85.00 Elev= 1099.58
PVI 77+20.00 Elev= 1102.06
PVI 77+40.00 Elev= 1101.10
PVI 77+65.00 Elev= 1095.81
7.08%
4.79%
-21.14%

RETAINING WALL B
BOTTOM OF WALL

SEE SHEETS R105 - R116
FOR STORM SEWER PROFILES

WALL B

Preliminary Plans

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

SEC 04
T14N R02W

SEC 33
T15N R02W

0 50 100 150
SCALE

BM#109 #6 REBAR W/ CAP SET FLUSH WITH GROUND
STA. 132+91.83(A001), 262.83 RT. EL.1102.21

BM#110 #6 REBAR W/ CAP SET FLUSH WITH GROUND
STA. 138+10.27(A001), 369.89 RT. EL.1099.98

LEGEND
- CONCRETE PAVEMENT
- ASPHALT PAVEMENT
- MILL AND OVERLAY

FOR GEOMETRIC DATA, REFER TO SHEETS R001 - R017

FOR LIMITS OF NO ACCESS DATA SEE SHEET R018

UNLESS OTHERWISE NOTED, ALL RIGHT-OF-WAY LABELS ARE BASED ON SURVEY ALIGNMENT A001.

BRIDGE 'C'

℄ SHOO-FLY 1

150.00'
N00°22'05.31"W

Sta. 1059+00.27 CL 13.1' Rt. (A001) 8'wx2'h RCB
ft. Elev. = 1079.5[illegible] & 1[illegible]30.5[illegible]
REMOVE

Sta. 1059+09.14 [illegible] Rt. (A001) Headwall(Buried)
ft. Elev. = 10[illegible]4'2[illegible]
REMOVE

Sta. 1059+25.2[illegible]13.56'L
15.7' Rt. (A001) Storm Inlet
TG = 1108.25'
ft. Elev. = 1105.72' E. 18" RCP Going East
REMOVE

Sta. 1059+34.01 54.07' Rt. (A001) Storm Inlet
TG = 1110.11'
ft. Elev. = 1107.89' E. 18" RCP Going East
REMOVE

Sta. 1061+41.89 SD CL 7.12' Rt. (A001) 8'wx6'h RCB Headwall
ft. Elev. = 1080.90' E. & 1085.35' W. 223.78'L
REMOVE

Sta. 1065+00.90 18" 93.08'L RCP
SD CL 49.78' Lt. (A001)
ft. Elev. = 1104.00' E. & 1100.31' W.
REMOVE

Preliminary Plans

BEGIN BRIDGE
STA. 138+52.06
ELEV. 1114.04

BRIDGE 'C'
CONST. 121.1'
ARROW STEEL BRIDGE

END BRIDGE
STA. 139+73.21
ELEV. 1113.28

PVI 133+50.00 Elev= 1114.65
PVC 134+25.00 Elev= 1114.23
LO 135+00.27 Elev= 1114.03
PVT 135+75.00 Elev= 1114.23
PVI 135+00.00 Elev= 1113.82
PVC 136+00.00 Elev= 1114.37
HI 136+95.65 Elev= 1114.63
PVT 138+00.00 Elev= 1114.32
PVC 139+75.00 Elev= 1113.27
PVT 141+25.00 Elev= 1111.73
PVI 140+50.00 Elev= 1112.82
PVC 141+62.50 Elev= 1111.19
PVI 143+00.00 Elev= 1109.19
LO 143+73.34 Elev= 1109.66
PVT 144+37.50 Elev= 1109.80
PVI 145+00.00 Elev= 1110.08

L= 150.00'
K= 135.87

L= 200.00'
K= 173.91

L= 150.00'
K= 176.47

L= 275.00'
K= 145.41

-0.55% 0.55% -0.55% 0.55% -0.60% -0.60% -0.60% -1.45% -1.45% -1.45% 0.44% 0.44%

SEE SHEETS R105 - R116
FOR STORM SEWER PROFILES

T 100
C.R.L. I-35 146+84.00
CONST. 18"X268' RCP
T.O.G. EL. = 1109.39
FL. BK. EL=1104.00'
FL. AH. EL=1106.83'

1115 1110 1105 1100 1095 1090 1085 1080

132 133 134 135+00 136 137 138 139 140+00 141 142 143 144 145+00 146 147

SHOO-FLY 1

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R044

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

SEC 04
T14N R02W

SEC 33
T15N R02W

UNLESS OTHERWISE NOTED, ALL RIGHT-OF-WAY LABELS ARE BASED ON SURVEY ALIGNMENT A001.

LEGEND
- CONCRETE PAVEMENT
- ASPHALT PAVEMENT
- MILL AND OVERLAY

BM#109 #6 REBAR W/ CAP SET FLUSH WITH GROUND
STA. 132+91.83(A001), 262.83 RT. EL.1102.21

BM#110 #6 REBAR W/ CAP SET FLUSH WITH GROUND
STA. 138+10.27(A001), 369.89 RT. EL.1099.98

FOR LIMITS OF NO ACCESS DATA SEE SHEET R018

0 50 100 150
SCALE

NOTE: LOT LINES AND DRAINAGE EASEMENT, NORTH OF WATERLOO RD. FROM SOONER RD. TO RAMP C WERE RECEIVED FROM THE DEVELOPER AND HAVE NOT BEEN SURVEYED.

FOR GEOMETRIC DATA, REFER TO SHEETS R001 - R017

Preliminary Plans

Sta. 1061+41.89 SD CL 7.12' Rt. (A001) 8'wx6'h RCB Headwall
ft. Elev. = 1080.90' E. & 1085.35' W. 223.78'L
REMOVE

Sta. 28+50.49 SD CL 0.65' Rt. (A002) 8'wx6'h RCB
ft. Elev. = 1079.73' N. & 1078.84' S. 81.46'L
INSERT NEW PIPE AND CLSM BACKFILL

Sta. 0+79.86 SD CL 1.08' Lt. (A003) 3'wx2'h RCB
ft. Elev. = 1098.42' E. & 1099.08' W. 57.03'L
TO REMAIN

Sta. 0+60.05 0.38' Rt. (A005) 3'wx2'h RCB Headwall
ft. Elev. = 1082.55' E. & 1082.05' W. 119.24'L
REMOVE

Sta. 11+49.42 SD CL 7.09' Lt. (A006) 8'wx6'h RCB Headwall
ft. Elev. = 1086.95' E. & 1087.14' W. 69.82'L
EXTEND

Sta. 11+48.62' 2-36" 24.163'L CGMP SD CL 99.21' Rt. (A006)
ft. Elev. = 1089.14' NW. & 1088.45' SE.
REMOVE

Sta. 1057+63.44 207.71' Rt. (A001) 8'wx6'h RCB Headwall
ft. Elev. = 1076.90' W. 1073.81' E. 137.26'L
EXTEND

Sta. 1059+00.27 SD CL 13.10' Rt. (A001) 3'wx2'h RCB
ft. Elev. = 1079.51' E. & 1089.61' W. 230.66'L
REMOVE

Sta. 1059+25.27 143.56'L 1.57' Rt. (A001) Storm Inlet
TG = 1108.25'
ft. Elev. = 1105.72' E. 18" RCP Going East
REMOVE

Sta. 1059+26.09 144.19' Rt. (A001) Headwall (Buried)
ft. Elev. = 1081.24' 2-18"RCP
REMOVE

Sta. 1059+34.01 54.07' Rt. (A001) Storm Inlet
TG = 1110.11'
ft. Elev. = 1107.89' E. 18" RCP Going East
REMOVE

Sta. 1057+36.84 344.32' Rt. (A001) Storm Inlet TG = 1094.91'
ft. Elev. = 1078.81' E. 2-36" CGMP 250'L
ft. Elev. = 1073.81' W. 8'wx6'h RCB
TO REMAIN

SHOO-FLY

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R045

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

LEGEND
FINISHED GRADE
EXISTING GRADE

Preliminary Plans

SEE SHEETS R105 - R116
FOR STORM SEWER PROFILES

SHOO-FLY A-1

RAMP A FINISH GRADE
EXISTING GROUND PROFILE
PVC 51+10.00 Elev= 1105.28
PVI 51+65.00 Elev= 1104.68
PVRC 52+20.00 Elev= 1102.20
PVI 52+95.00 Elev= 1098.83
LO 53+23.85 Elev= 1099.87
PVT 53+70.00 Elev= 1100.33
PVI 53+71.41 Elev= 1100.36
L= 110.00' K= 32.35
L= 150.00' K= 23.08
-1.10% -4.50% -4.50% 2.00% 2.00%
PROPOSED FINISH GRADE
FG= 1103.04
FG= 1099.99
T 201
C.R.L. SHOO-FLY A-1 53+13.76
CONST. 36"X50' TEMP. RCP
FL LT. EL= 1096.87'
FL RT. EL= 1094.73'

SHOO-FLY A-2

PVI 60+32.47 Elev= 1106.84
PVI 60+82.57 Elev= 1106.14
-1.40%
PROPOSED FINISH GRADE
RAMP A FINISH GRADE
EXISTING GROUND PROFILE

SHOO-FLY A-3

EXISTING GROUND PROFILE
RAMP A FINISH GRADE
SHOO-FLY A-1 FINISH GRADE
PROPOSED FINISH GRADE
PVI 71+28.85 Elev= 1102.51
PVC 72+01.55 Elev= 1098.39
PVT 73+71.55 Elev= 1096.40
LO 72+71.36 Elev= 1096.40
PVI 72+74.34 Elev= 1096.40
L= 70.00' K= 12.35
-5.65% -5.65% 2.02%
PVI 72+36.55 Elev= 1096.40
T 501
C.R.L. SHOO-FLY A-3 72+06.00
CONST. 18"X66" TEMP. RCP
FL LT. EL= 1094.83'
FL RT. EL=1094.64'
FG= 1098.46

SHOO-FLY B-1

RAMP B FINISH GRADE
PVC 51+10.00 Elev= 1101.45
PVI 51+09.76 Elev= 1101.46
PVI 51+70.00 Elev= 1100.19
PVRC 52+30.00 Elev= 1096.77
LO 53+18.83 Elev= 1094.
PVT 53+50.00 Elev= 1094.55
PVI 53+ Elev= 109
PVI 52+90.00 Elev= 1093.35
L= 120.00' K= 33.33
L= 120.00' K= 15.58
-2.10% -2.10% -5.70% -5.70% 2.00% 2.00%
PROPOSED FINISH GRADE
TEMP. WIDEN. FINISH GRADE
EXISTING GROUND PROFILE
FG= 1098.35
FG= 1094.35
T 406
C.R.L. SHOO-FLY B-1 53+45.06
CONST. 18"X58' TEMP. RCP
FL LT. EL= 1089.80'
FL RT. EL=1090.00'

SHOO-FLY B-2

PVI 60+99.26 Elev= 1102.26
PVI 61+68.06 Elev= 1100.89
PVC 61+08.00 Elev= 1102.09
PVRC 62+28.00 Elev= 1096.69
PVT 63+48.00 Elev= 1092.76
LO 63+40.75 Elev= 1092.74
PVI 63+49.00 Elev= 1092.76
PVI 62+88.00 Elev= 1093.49
L= 120.00' K= 16.11
L= 120.00' K= 24.00
-2.00% -2.00% -7.00% -7.00% 0.45% 0.45%
PROPOSED FINISH GRADE
TURNOUT N-W FINISH GRADE
EXISTING GROUND PROFILE
FG= 1102.25
FG= 1098.48
FG= 1093.25
T 502
C.R.L. SHOO-FLY B-2 63+19.50
CONST. 18"X52' TEMP. RCP
FL LT. EL= 1089.70'
FL RT. EL=1089.80'

SHOO-FLY C-1

PVI 50+34.38 Elev= 1099.90
PVC 50+41.84 Elev= 1099.75
PVI 51+91.84 Elev= 1099.45
LO 51+25.17 Elev= 1098.92
PVI 51+16.84 Elev= 1098.25
PVI 53+65.58 Elev= 1102.23
L= 150.00' K= 41.67
-2.00% -2.00% 1.60% 1.60%
PROPOSED FINISH GRADE
RAMP C FINISH GRADE
TEMP. TRANSITION FINISH GRADE
EXISTING GROUND PROFILE
T 404
C.R.L. SHOO-FLY C-1 51+77.00
CONST. 60"X48' TEMP. RCP
FL LT. EL= 1086.98'
FL RT. EL=1086.78'
T 405
C.R.L. SHOO-FLY C-1 51+33.17
CONST. 18"X60' TEMP. RCP
FL LT. EL= 1096.70
FL RT. EL =1088.79
FG= 1099.58
FG= 1098.99
FG= 1101.18

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COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R046

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

SEE SHEET R054 FOR WIDENING POINT DATA

0 50 100 150

SCALE

LEGEND

TEMPORARY PAVEMENT

PRES. R/W

95+00 (A001)

100+00 (A001)

105+00

R/W

PRES. R/W

SHOULDER REINFORCING

SHOULDER REINFORCING & SHOULDER WIDENING

2A-2

2A-1

2A-3

TEMP. WIDEN 2A

PHASE 1

C.R.L. I-35

TOC/TOS

2A-4

2A-5

TEMP TOC/TOS

STA. 106+00.00

TEMP. WIDEN 3

3-1

3-2

TEMP TOC/TOS

3-3

3-4

PHASE 1

T103

3-5

3-6

SHOULDER REINFORCING

SHOULDER REINFORCING & SHOULDER WIDENING

TEMP TOC/TOS

PRES. R/W

PRES. R/W

TEMPORARY WIDENING
I-35 MAINLINE

0 50 100 150

SCALE

SHOULDER WIDENING & SHOULDER REINFORCEMENT

PRES. R/W

R/W

110+00 (A001)

115+00 (A001)

R/W

PRES. R/W

120+00 (A001)

STA. 106+00.00

PHASE 1

TEMP. WIDEN 2A

C.R.L. I-35

TEMP TOC/TOS

2A-6

PHASE 1

TEMP. WIDEN 3

TEMP TOC/TOS

SHOULDER WIDENING & SHOULDER REINFORCING

TEMP TOC/TOS

STA. 121+00.00

PRES. R/W

PRES. R/W

Preliminary Plans

DESIGN	AKS	11/19
DRAWN	TML	5/18
CHECKED	JES	6/18
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

TEMPORARY WIDENING
(SHEET 1 OF 8)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R047

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

SCALE 0 50 100 150

SEE SHEET R054 FOR WIDENING POINT DATA

LEGEND

TEMPORARY PAVEMENT

PRES. R/W

R/W

125+00 (A001)

130+00 (A001)

135+00 (A001)

STA. 121+00.00

STA. 136+00.00

C.R.L. I-35

2A-7

2A-8

2A-9

2A-10

1-1

1-2

1-3

1-4

TEMP. WIDEN 1

PHASE 2A

SHOULDER REINFORCING & SHOULDER WIDENING

PHASE 1

TEMP. WIDEN 3

TEMP WIDEN 2A

TEMP. WIDEN 4

3-7

3-8

4-1

4-2

TEMP TOC/TOS

T102

SHOULDER REINFORCING

REINFORCEMENT

WIDENING

TEMPORARY WIDENING
I-35 MAINLINE

SCALE 0 50 100 150

T201

T501

T405

T404

140+00 (A001)

145+00 (A001)

150+00 (A001)

BRIDGE 'B'

BRIDGE 'A'

STA. 136+00.00

STA. 151+00.00

1-5

4-5

4-6

T100

T502

2B-1

2B-2

2B-3

TEMP. WIDEN 2B

DESIGN	AKS	11/19
DRAWN	TML	5/18
CHECKED	JES	6/18
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

TEMPORARY WIDENING
(SHEET 2 OF 8)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R048

Preliminary Plans

3/28/2025 9:19:02 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_WDN_002.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

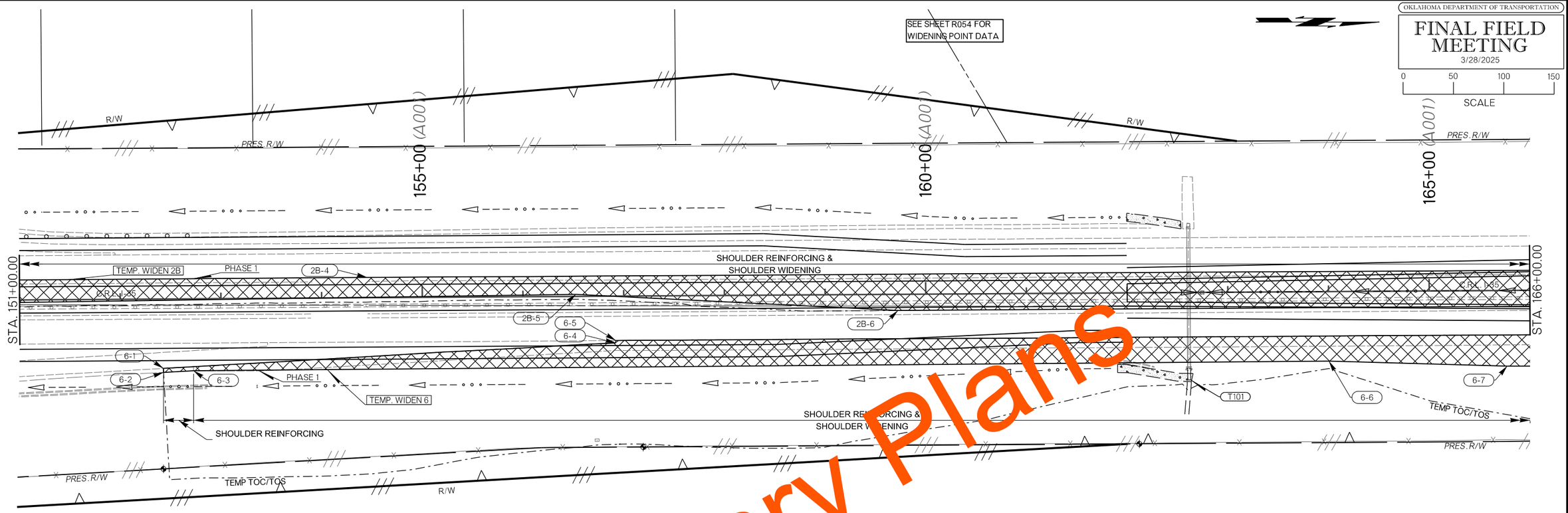
FINAL FIELD MEETING

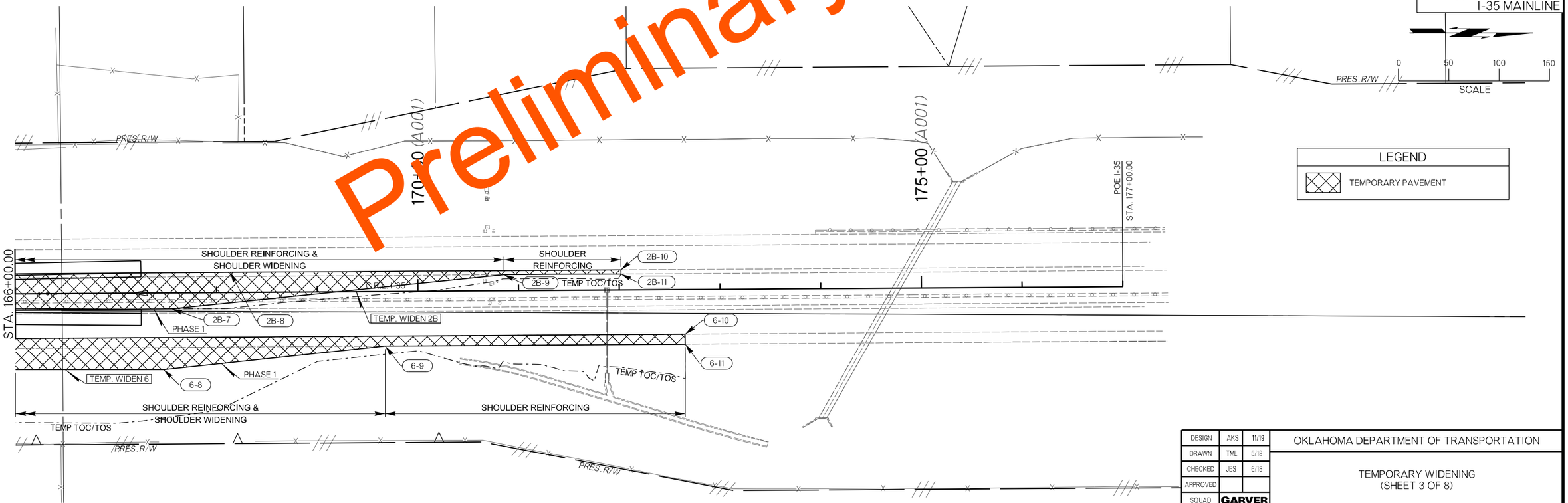
3/28/2025

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SCALE

SEE SHEET R054 FOR WIDENING POINT DATA





TEMPORARY WIDENING
I-35 MAINLINE

0 50 100 150

SCALE

LEGEND

TEMPORARY PAVEMENT

Preliminary Plans

DESIGN	AKS	11/19
DRAWN	TML	5/18
CHECKED	JES	6/18
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

TEMPORARY WIDENING
(SHEET 3 OF 8)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO R049

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LEGEND

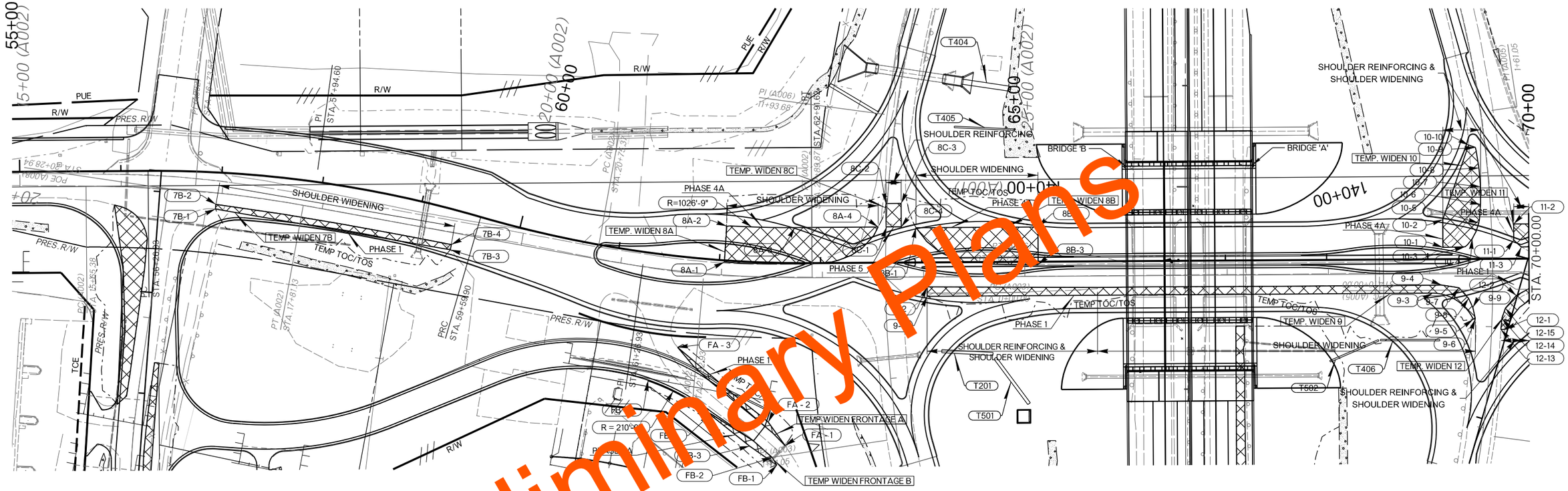
TEMPORARY PAVEMENT

SEE SHEET R054 FOR WIDENING POINT DATA

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025

0 50 100 150
SCALE



Preliminary Plans

TEMPORARY WIDENING
WATERLOO RD.

DESIGN	AKS	11/19
DRAWN	TML	5/18
CHECKED	JES	6/18
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

TEMPORARY WIDENING
(SHEET 4 OF 8)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R050

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LEGEND

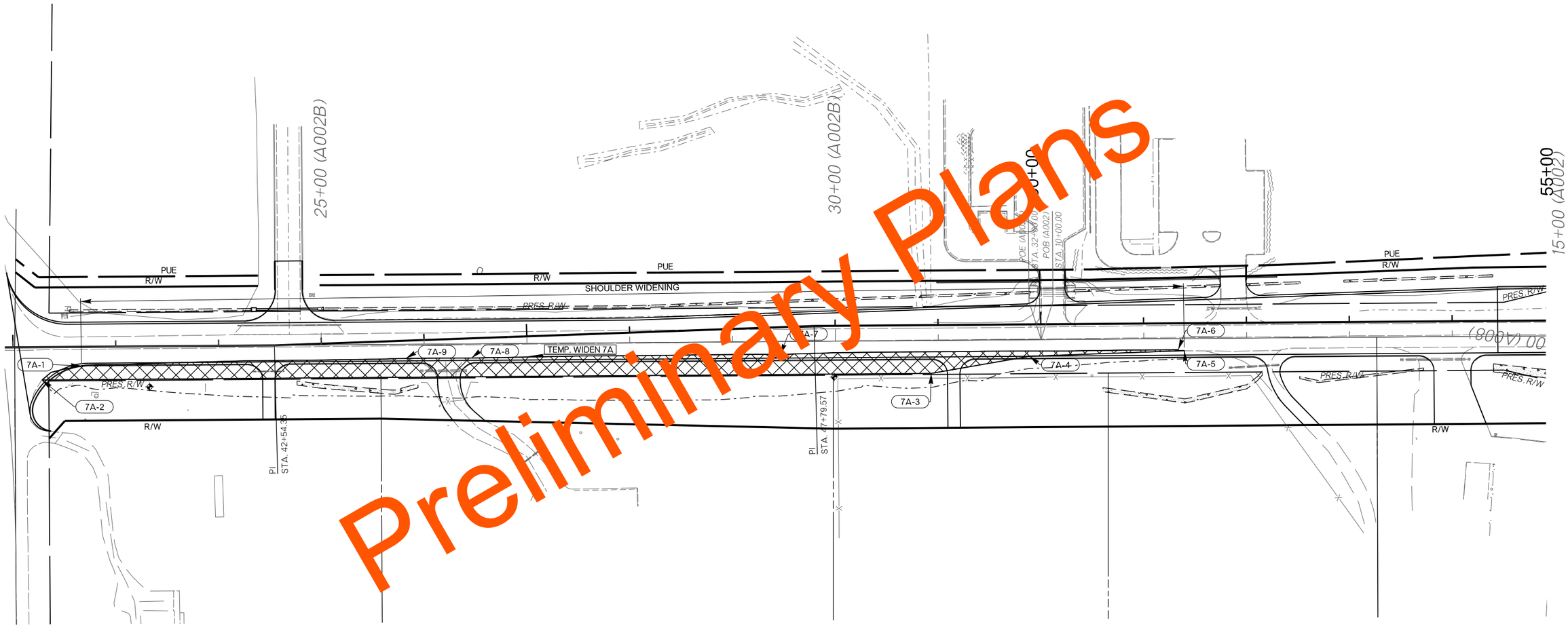
TEMPORARY PAVEMENT

SEE SHEET R054 FOR WIDENING POINT DATA

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025

0 50 100 150
SCALE



Preliminary Plans

TEMPORARY WIDENING
WATERLOO RD.

DESIGN	AKS	11/19
DRAWN	TML	5/18
CHECKED	JES	6/18
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

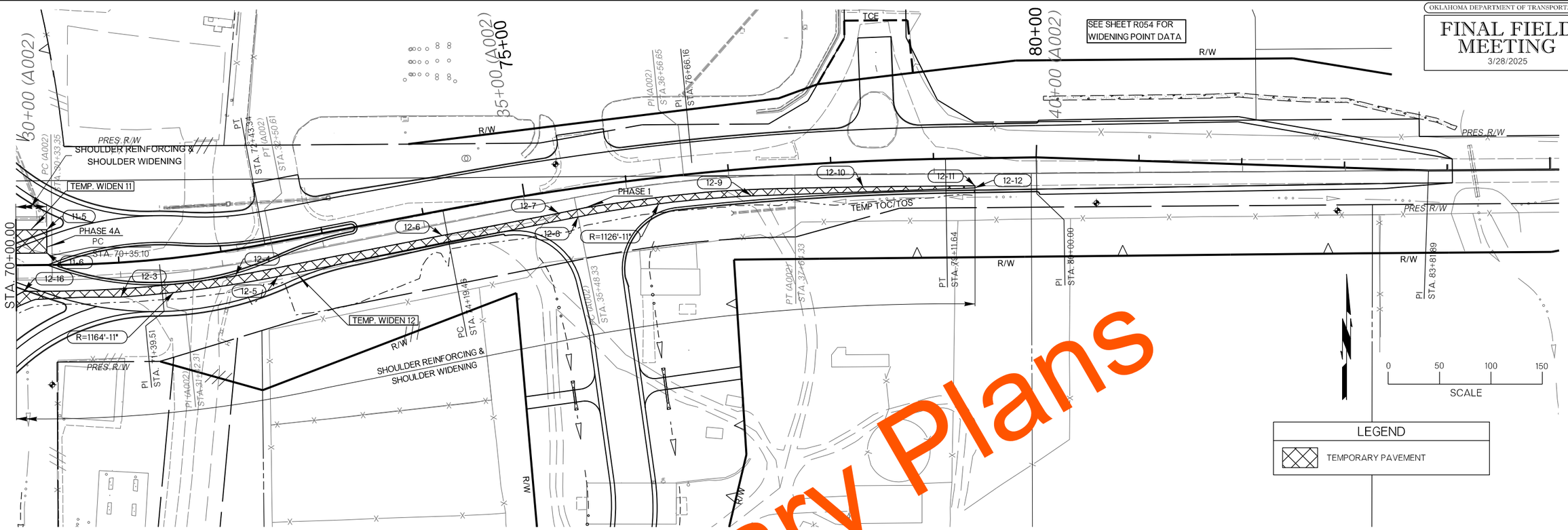
TEMPORARY WIDENING
(SHEET 5 OF 8)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R051

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025



LEGEND

TEMPORARY PAVEMENT

TEMPORARY WIDENING
WATERLOO RD.

Preliminary Plans

DESIGN	AKS	11/19
DRAWN	TML	5/18
CHECKED	JES	6/18
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

TEMPORARY WIDENING
(SHEET 6 OF 8)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R052

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

LEGEND
TEMPORARY PAVEMENT

SEE SHEET R054 FOR WIDENING POINT DATA

0 50 100 150

SCALE

NOTE: LOT LINES AND DRAINAGE EASEMENT, NORTH OF WATERLOO RD. FROM SOONER RD. TO RAMP C WERE RECEIVED FROM THE DEVELOPER AND HAVE NOT BEEN SURVEYED.



Preliminary Plans

TEMPORARY WIDENING
BOUCHER DR.

DESIGN	AKS	11/19
DRAWN	TML	5/18
CHECKED	JES	6/18
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

TEMPORARY WIDENING
(SHEET 7 OF 8)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO R053

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TEMPORARY PAVEMENT WIDENING NO. 1

POINT	ALIGNMENT	STATION	OFFSET	NORTHING	EASTING
1-1	A001	130+27.77	49.06	263,560.09	2,141,724.93
1-2	A001	130+27.77	57.02	263,560.04	2,141,716.98
1-3	A001	130+46.68	61.06	263,578.92	2,141,712.81
1-4	A001	136+00.00	49.06	264,132.30	2,141,721.26
1-5	A001	137+00.00	61.06	264,232.22	2,141,708.61

TEMPORARY PAVEMENT WIDENING NO. 2A

POINT	ALIGNMENT	STATION	OFFSET	NORTHING	EASTING
2A-1	A001	91+95.43	16.99	259,728.03	2,141,781.63
2A-2	A001	91+95.43	18.99	259,728.02	2,141,779.63
2A-3	A001	93+02.37	16.81	259,834.97	2,141,781.12
2A-4	A001	96+37.17	19.26	260,169.99	2,141,815.04
2A-5	A001	104+62.19	19.78	260,994.99	2,141,810.25
2A-6	A001	107+64.31	2.06	261,296.97	2,141,786.48
2A-7	A001	121+72.34	2.06	262,704.97	2,141,777.43
2A-8	A001	121+72.21	19.42	262,704.98	2,141,798.91
2A-9	A001	133+50.00	19.24	263,882.75	2,141,791.51
2A-10	A001	133+50.00	18.91	263,882.50	2,141,753.02

TEMPORARY PAVEMENT WIDENING NO. 2B

POINT	ALIGNMENT	STATION	OFFSET	NORTHING	EASTING
2B-1	A001	145+00.00	20.20	265,032.47	2,141,744.34
2B-2	A001	145+00.00	16.93	265,032.71	2,141,781.46
2B-3	A001	146+87.33	5.85	265,219.96	2,141,769.18
2B-4	A001	154+45.39	20.13	265,977.84	2,141,738.34
2B-5	A001	156+52.40	2.08	266,184.96	2,141,755.05
2B-6	A001	159+72.29	16.08	266,504.97	2,141,771.15
2B-7	A001	167+55.31	15.85	267,287.96	2,141,765.90
2B-8	A001	168+13.68	20.03	267,346.10	2,141,729.64
2B-9	A001	170+85.50	16.03	267,617.94	2,141,731.89
2B-10	A001	172+01.78	19.93	267,734.20	2,141,727.25
2B-11	A001	172+01.78	15.80	267,734.22	2,141,731.37

TEMPORARY PAVEMENT WIDENING NO. 3

POINT	ALIGNMENT	STATION	OFFSET	NORTHING	EASTING
3-1	A001	91+35.00	45.43	259,668.00	2,141,844.43
3-2	A001	91+34.95	54.66	259,668.01	2,141,853.67
3-3	A001	93+33.95	54.26	259,867.01	2,141,851.99
3-4	A001	95+41.83	75.46	260,075.02	2,141,871.85
3-5	A001	97+43.84	75.46	260,277.02	2,141,870.56
3-6	A001	99+01.88	69.06	260,435.01	2,141,863.14
3-7	A001	128+61.93	69.06	263,395.00	2,141,844.12
3-8	A001	128+62.07	44.88	263,394.99	2,141,819.94

TEMPORARY PAVEMENT WIDENING NO. 4

POINT	ALIGNMENT	STATION	OFFSET	NORTHING	EASTING
4-1	A001	129+42.16	45.21	263,475.08	2,1[illegible]819.75
4-2	A001	129+42.41	58.71	263,475.42	2,14[illegible]
4-3	A001	130+51.99	59.28	263,585.00	2,141,8[illegible]12
4-4	A001	130+52.02	54.29	263,585.00	2,141,82[illegible]
4-5	A001	138+61.97	53.71	264,394.93	2,141,822.[illegible]
4-6	A001	138+61.96	45.45	264,394.86	2,141,814.09

TEMPORARY PAVEMENT WIDENING NO. 6

POINT	ALIGNMENT	STATION	OFFSET	NORTHING	EASTING
6-1	A001	152+42.40	68.89	265,775.42	2,141,828.66
6-2	A001	152+42.58	72.81	265,775.63	2,141,832.58
6-3	A001	152+72.40	71.44	265,805.44	2,141,831.01
6-4	A001	156+91.92	46.48	266,224.80	2,141,803.36
6-5	A001	156+91.88	44.08	266,224.74	2,141,800.95
6-6	A001	163+99.99	69.06	266,932.99	2,141,821.39
6-7	A001	165+76.96	75.17	267,109.99	2,141,826.36
6-8	A001	167+46.95	76.18	267,279.99	2,141,826.27
6-9	A001	169+67.09	54.17	267,499.98	2,141,802.85
6-10	A001	172+65.15	44.19	267,797.98	2,141,790.96
6-11	A001	172+65.09	54.17	267,797.98	2,141,800.94

TEMPORARY PAVEMENT WIDENING NO. 7A

POINT	ALIGNMENT	STATION	OFFSET	NORTHING	EASTING
7A-1	A002B	22+66.59	18.52	264,503.13	2,139,179.31
7A-2	A002B	22+28.17	32.00	264,489.36	2,139,140.99
7A-3	A002B	30+92.96	32.00	264,495.81	2,140,005.75
7A-4	A002B	31+88.75	16.03	264,512.49	2,140,101.42
7A-5	A002	11+39.28	11.73	264,517.91	2,140,251.91
7A-6	A002	11+33.55	10.68	264,518.92	2,140,245.98
7A-7	A002B	29+46.42	12.48	264,514.24	2,139,859.07
7A-8	A002B	26+46.15	13.71	264,510.77	2,139,558.81
7A-9	A002B	25+82.30	13.64	264,510.36	2,139,494.97

TEMPORARY PAVEMENT WIDENING NO. 7B

POINT	ALIGNMENT	STATION	OFFSET	NORTHING	EASTING
7B-1	A002	16+95.00	15.92	264,510.63	2,140,805.63
7B-2	A002	16+95.00	11.28	264,515.25	2,140,806.12
7B-3	A002	19+32.00	17.00	264,470.31	2,141,037.89
7B-4	A002	19+32.00	11.82	264,475.41	2,141,038.82

TEMPORARY PAVEMENT WIDENING NO. 8A

POINT	ALIGNMENT	STATION	OFFSET	NORTHING	EASTING
8A-1	A002	22+02.14	12.83	264,458.19	2,141,308.59
8A-2	A002	22+02.10	48.31	264,493.59	2,141,311.04
8A-3	A002	22+72.16	49.70	264,492.32	2,141,378.10
8A-4	A002	23+55.38	49.83	264,492.84	2,141,460.54

TEMPORARY PAVEMENT WIDENING NO. 8B

POINT	ALIGNMENT	STATION	OFFSET	NORTHING	EASTING
8B-1	A002	23+92.80	48.83	264,492.08	2,[illegible]1,497.97
8B-2	A002	25+13.25	48.83	264,492.85	2,[illegible]1,618.41
8B-3	A002	25+13.25	11.67	264,[illegible]	2,[illegible]1,618.65

TEMPORARY PAVEMENT WIDENING NO. 8C

POINT	ALIGNMENT	STATION	OFFSET	NORTHING	EASTING
8C-1	A002	22+[illegible]	49.[illegible]	[illegible]1,492.89	2,141,468.41
8C-2	A002	25+63.2[illegible]	72.[illegible]4	264,516.00	2,141,468.26
8C-3	A002	25+78.25	72.[illegible]	264,516.10	2,141,483.26
8C-4	A002	25+78.25	49.83	264,492.99	2,141,483.41

TEMPORARY PAVEMENT WIDENING NO. 9

POINT	ALIGNMENT	STATION	OFFSET	NORTHING	EASTING
9-1	A002	24+03.31	19.00	264,424.32	2,141,508.91
9-2	A002	24+03.36	9.76	264,433.56	2,141,508.90
9-3	A002	29+02.91	19.00	264,427.49	2,142,008.50
9-4	A002	29+11.78	11.07	264,435.48	2,142,017.32
9-5	A002	29+42.87	45.05	264,401.70	2,142,048.62
9-6	A002	29+44.85	44.80	264,401.96	2,142,050.61
9-7	A002	29+28.83	13.81	264,432.85	2,142,034.38
9-8	A002	29+38.28	24.53	264,422.19	2,142,043.91
9-9	A002	29+42.52	33.35	264,413.39	2,142,048.21

TEMPORARY PAVEMENT WIDENING NO. 10

POINT	ALIGNMENT	STATION	OFFSET	NORTHING	EASTING
10-1	A002	29+13.25	26.07	264,472.63	2,142,018.55
10-2	A002	29+13.25	53.53	264,500.09	2,142,018.38
10-3	A002	29+35.08	26.51	264,473.20	2,142,040.38
10-4	A002	29+42.30	34.51	264,481.25	2,142,047.55
10-5	A002	29+48.86	49.91	264,496.69	2,142,054.01
10-6	A002	29+50.69	68.36	264,515.15	2,142,055.72
10-7	A002	29+50.78	85.83	264,532.63	2,142,055.70
10-8	A002	29+49.37	104.36	264,551.15	2,142,054.17
10-9	A002	29+45.97	124.66	264,571.43	2,142,050.64
10-10	A002	29+39.28	127.03	264,573.75	2,142,043.94

TEMPORARY PAVEMENT WIDENING NO. 11

POINT	ALIGNMENT	STATION	OFFSET	NORTHING	EASTING
11-1	A002	29+83.30	32.89	264,479.89	2,142,088.56
11-2	A002	29+83.40	48.83	264,495.84	2,142,088.56
11-3	A002	29+90.72	26.09	264,473.14	2,142,096.02
11-4	A002	30+28.25	26.06	264,473.35	2,142,133.55
11-5	A002	30+28.25	48.83	264,496.12	2,142,133.40

TEMPORARY PAVEMENT WIDENING NO. 12

POINT	ALIGNMENT	STATION	OFFSET	NORTHING	EASTING
12-1	A002	29+73.82	55.26	264,391.68	2,142,079.64
12-2	A002	29+85.47	22.02	264,425.00	2,142,091.07
12-3	A002	30+98.90	19.00	264,430.65	2,142,205.52
12-4	A002	32+10.54	11.00	264,451.26	2,142,316.96
12-5	A002	32+50.61	19.00	264,450.60	2,142,358.34
12-6	A002	34+15.05	11.02	264,490.44	2,142,518.08
12-7	A002	35+30.46	11.79	264,512.15	2,142,631.43
12-8	A002	35+48.33	19.00	264,508.56	2,142,650.36
12-9	A002	37+21.38	19.00	264,528.99	2,142,819.15
12-10	A002	38+30.59	11.87	264,537.72	2,142,927.57
12-11	A002	[illegible]9.55	11.64	264,538.77	2,143,036.53
12-12	A002	39+[illegible]9.54	13.64	264,536.77	2,143,036.54
12-13	A[illegible]	[illegible]+70.10	55.38	264,391.54	2,142,075.92
12-14	A002	29+71.09	44.46	264,402.47	2,142,076.84
12-15	A002	29+74.71	34.34	264,412.61	2,142,080.40
12-16	A002	30+05.54	11.00	264,436.15	2,142,111.08

TEMPORARY PAVEMENT WIDENING NO. 14

POINT	ALIGNMENT	STATION	OFFSET	NORTHING	EASTING
14-1	A008	18+11.45	18.73	264,317.65	2,140,708.86
14-2	A008	18+20.56	10.78	264,325.83	2,140,717.93
14-3	A008	19+45.61	32.46	264,452.86	2,140,714.71
14-4	A008	20+05.27	50.15	264,514.47	2,140,705.94

TEMPORARY PAVEMENT WIDENING NO. 15

POINT	ALIGNMENT	STATION	OFFSET	NORTHING	EASTING
15-1	A008	17+27.46	12.24	264,231.31	2,140,733.44
15-2	A008	17+27.12	19.26	264,230.79	2,140,740.44
15-3	A008	18+57.06	11.78	264,358.80	2,140,745.53
15-4	A008	18+57.39	16.29	264,358.46	2,140,750.04

TEMPORARY PAVEMENT WIDENING NO. 16

POINT	ALIGNMENT	STATION	OFFSET	NORTHING	EASTING
16-1	A008	16+24.44	14.64	264,128.53	2,140,706.73
16-2	A008	16+24.32	11.57	264,128.43	2,140,709.79
16-3	A008	16+85.57	12.71	264,189.67	2,140,708.28
16-4	A008	16+85.55	10.71	264,189.66	2,140,710.28

TEMPORARY PAVEMENT WIDENING FRONTAGE A

POINT	ALIGNMENT	STATION	OFFSET	NORTHING	EASTING
FA-1	A002	22+65.59	165.97	264,276.74	2,141,368.62
FA-2	A002	22+50.51	143.06	264,300.02	2,141,351.99
FA-3	A002	21+64.42	75.11	264,373.95	2,141,262.38

TEMPORARY PAVEMENT WIDENING FRONTAGE B

POINT	ALIGNMENT	STATION	OFFSET	NORTHING	EASTING
FB-1	A002	22+58.84	185.40	264,257.45	2,141,360.48
FB-2	A002	22+54.75	177.89	264,265.07	2,141,355.92
FB-3	A002	22+34.95	167.39	264,276.31	2,141,333.49
FB-4	A002	21+98.81	138.45	264,307.55	2,141,294.26
FB-5	A002	21+41.07	111.31	264,340.84	2,141,233.20

Preliminary Plans

3/28/2025 9:19:39 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_WDN_007.dgn

DESIGN	AKS	11/19
DRAWN	JLH	1/20
CHECKED	JES	1/20
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

TEMPORARY WIDENING
POINT DATA
(SHEET 8 OF 8)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R054

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

Preliminary Plans

SUMMARY OF DISTURBED AREA - PHASE 1					
OUTFALL			DISTURBED AREA		
ID	ALIGNMENT	STATION	ID	ACRES	TOTAL AT OUTFALL
O-1	WATERLOO CRL V2	74+70.74	A-1	0.2651	7.0898
			A-2	0.5235	
			A-3	0.1195	
			A-4	0.0415	
			A-5	0.0758	
			A-6	0.1759	
			A-7	0.02	
			A-8	0.2124	
			A-9	0.1341	
			A-10	0.9174	
			A-11	1.2839	
			A-18	1.9397	
			A-19	1.381	
O-3	I-35 CRL	97+08.15	A-12	0.6783	1.5194
			A-13	0.8411	
O-4	I-35 CRL	105+55.29	A-14	0.507	0.507
O-5	I-35 CRL	105+69.60	A-15	2.1097	2.1097
O-6	I-35 CRL	124+58.42	A-16	0.4386	1.4881
			A-17	1.0495	
O-7	I-35 CRL	162+58.91	A-20	0.5627	1.3022
			A-21	0.7395	
O-8	I-35 CRL	173+04.78	A-22	0.1733	0.1733
PHASE 1 DISTURBED AREA = 14.19					

SUMMARY OF DISTURBED AREA - PHASE 2A					
OUTFALL			DISTURBED AREA		
ID	ALIGNMENT	STATION	ID	ACRES	TOTAL AT OUTFALL
O-3	I-35 CRL	97+08.15	B-1	0.0118	0.0451
			B-2	0.0333	
O-4	I-35 CRL	105+55.29	B-3	1.9408	1.9408
O-6	I-35 CRL	124+58.42	B-4	1.571	1.571
O-1	WATERLOO CRL V2	74+70.74	B-5	2.8977	7.8699
			B-6	2.8275	
			B-7	2.1447	
O-7	I-35 CRL	162+58.91	B-8	0.1706	0.1706
PHASE 1 DISTURBED AREA = 11.60					

SUMMARY OF DISTURBED AREA - PHASE 2B					
OUTFALL			DISTURBED AREA		
ID	ALIGNMENT	STATION	ID	ACRES	TOTAL AT OUTFALL
O-6	I-35 CRL	124+58.42	C-1	0.8331	0.8331
O-1	WATERLOO CRL V2	74+70.74	C-2	0.8115	2.6976
			C-3	1.8861	
PHASE 1 DISTURBED AREA = 3.53					

SUMMARY OF DISTURBED AREA - PHASE 3					
OUTFALL			DISTURBED AREA		
ID	ALIGNMENT	STATION	ID	ACRES	TOTAL AT OUTFALL
O-1	WATERLOO CRL V2	74+70.74	D-1	0.1941	1.1724
			D-2	0.1487	
			D-3	0.1493	
			D-4	0.1494	
			D-5	0.1347	
			D-6	0.0007	
			D-7	0.0119	
			D-8	0.0302	
			D-9	0.0448	
			D-10	0.092	
			D-11	0.1093	
			D-12	0.0977	
			D-13	0.0096	
PHASE 1 DISTURBED AREA = 1.17					

SUMMARY OF DISTURBED AREA - PHASE 4A					
OUTFALL			DISTURBED AREA		
ID	ALIGNMENT	STATION	ID	ACRES	TOTAL AT OUTFALL
O-1	WATERLOO CRL V2	74+70.74	E-1	0.3151	11.4399
			E-2	0.2688	
			E-3	0.2625	
			E-4	0.1963	
			E-5	0.29	
			E-6	0.7743	
			E-7	0.1477	
			E-8	0.0834	
			E-9	0.22	
			E-10	0.1220	
			E-11	0.0798	
			E-12	0.1756	
			E-13	0.6714	
			E-14	0.3283	
			E-15	0.1142	
			E-16	0.8135	
			E-17	0.1264	
			E-18	2.7379	
			E-19	0.1958	
			E-20	2.8675	
			E-21	0.2673	
			E-22	0.042	
			E-23	0.2312	
O-2	WATERLOO CRL V2	84+35.01	E-24	0.1212	0.8543
			E-25	0.7331	
PHASE 1 DISTURBED AREA = 12.29					

SUMMARY OF DISTURBED AREA - PHASE 5					
OUTFALL			DISTURBED AREA		
ID	ALIGNMENT	STATION	ID	ACRES	TOTAL AT OUTFALL
O-1	WATERLOO CRL V2	74+70.74	F-1	0.0287	13.4764
			F-2	0	
			F-3	0.0217	
			F-4	0.0093	
			F-5	0.0117	
			F-6	0.2356	
			F-7	0.0432	
			F-8	0.0536	
			F-9	0.2095	
			F-10	0.0296	
			F-11	0.1253	
			F-12	0.0683	
			F-13	0.2003	
			F-14	0.093	
			F-15	0.0715	
			F-16	0.0578	
			F-17	0.0765	
			F-18	0.0382	
			F-19	0.3837	
			F-20	0.0556	
			F-21	0.2471	
			F-22	0.5288	
			F-23	0.3203	
			F-24	0.1331	
			F-25	0.0205	
			F-26	0.3716	
			F-27	0.4267	
			F-28	0.1897	
			F-29	0.073	
			F-30	0.011	
			F-31	3.7585	
			F-32	0.0737	
			F-33	0.2832	
			F-34	0.0668	
			F-36	1.1395	
			F-37	3.7193	
O-6	I-35 CRL	124+58.42	F-35	1.6492	1.6492
O-7	I-35 CRL	162+58.91	F-38	0.0614	0.0614
PHASE 1 DISTURBED AREA = 15.19					

SUMMARY OF DISTURBED AREA - PHASE 6					
OUTFALL			DISTURBED AREA		
ID	ALIGNMENT	STATION	ID	ACRES	TOTAL AT OUTFALL
O-1	WATERLOO CRL V2	74+70.74	G-1	0.0801	0.3839
			G-2	0.1271	
			G-3	0.0093	
			G-4	0.0549	
			G-5	0.1125	
PHASE 1 DISTURBED AREA = 0.38					

SUMMARY OF DISTURBED AREA - PHASE 7					
OUTFALL			DISTURBED AREA		
ID	ALIGNMENT	STATION	ID	ACRES	TOTAL AT OUTFALL
O-1	WATERLOO CRL V2	74+70.74	H-1	0.0553	0.1445
			H-2	0.0205	
			H-3	0.0273	
			H-4	0.0414	
PHASE 1 DISTURBED AREA = 0.14					

DESIGN	NMB	12/24
DRAWN	JLH	12/24
CHECKED	SCB	1/25
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUMMARY OF DISTURBED AREAS

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R055

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

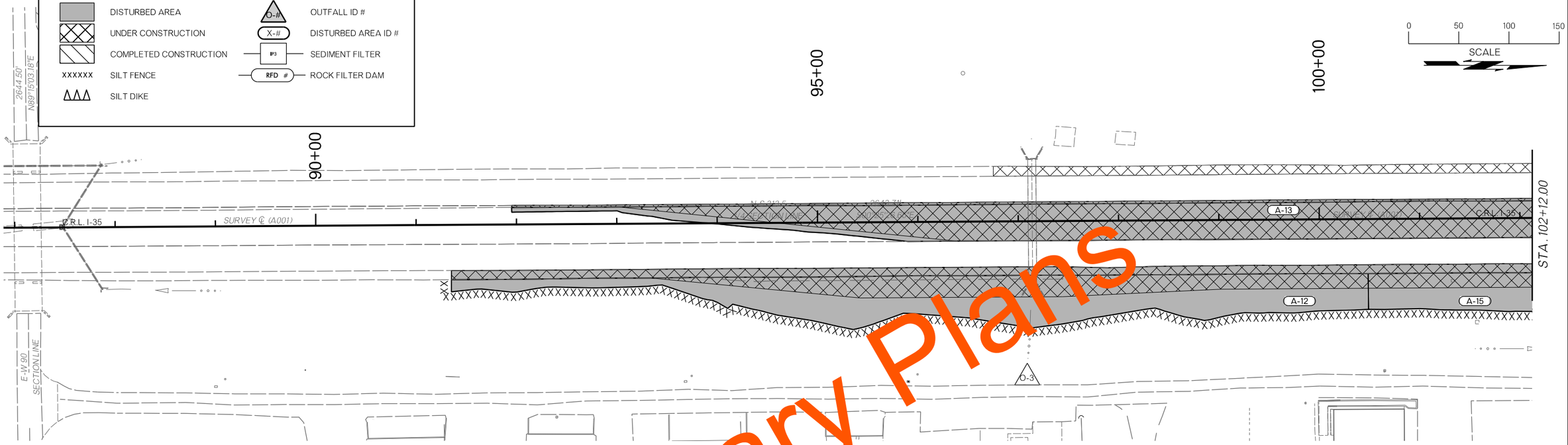
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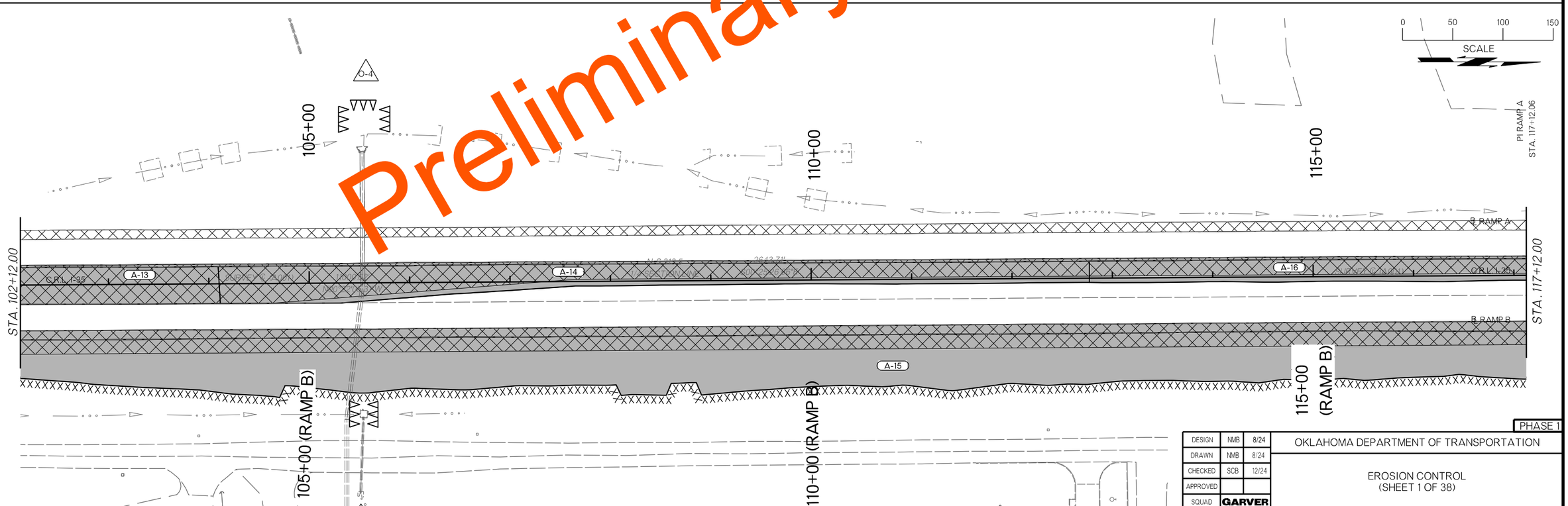
LEGEND

- DISTURBED AREA
- UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- XXXXXX SILT FENCE
- SILT DIKE
- O-# OUTFALL ID #
- X-# DISTURBED AREA ID #
- #3 SEDIMENT FILTER
- RFD # ROCK FILTER DAM

0 50 100 150

SCALE





Preliminary Plans

PHASE 1

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
(SHEET 1 OF 38)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO R056

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

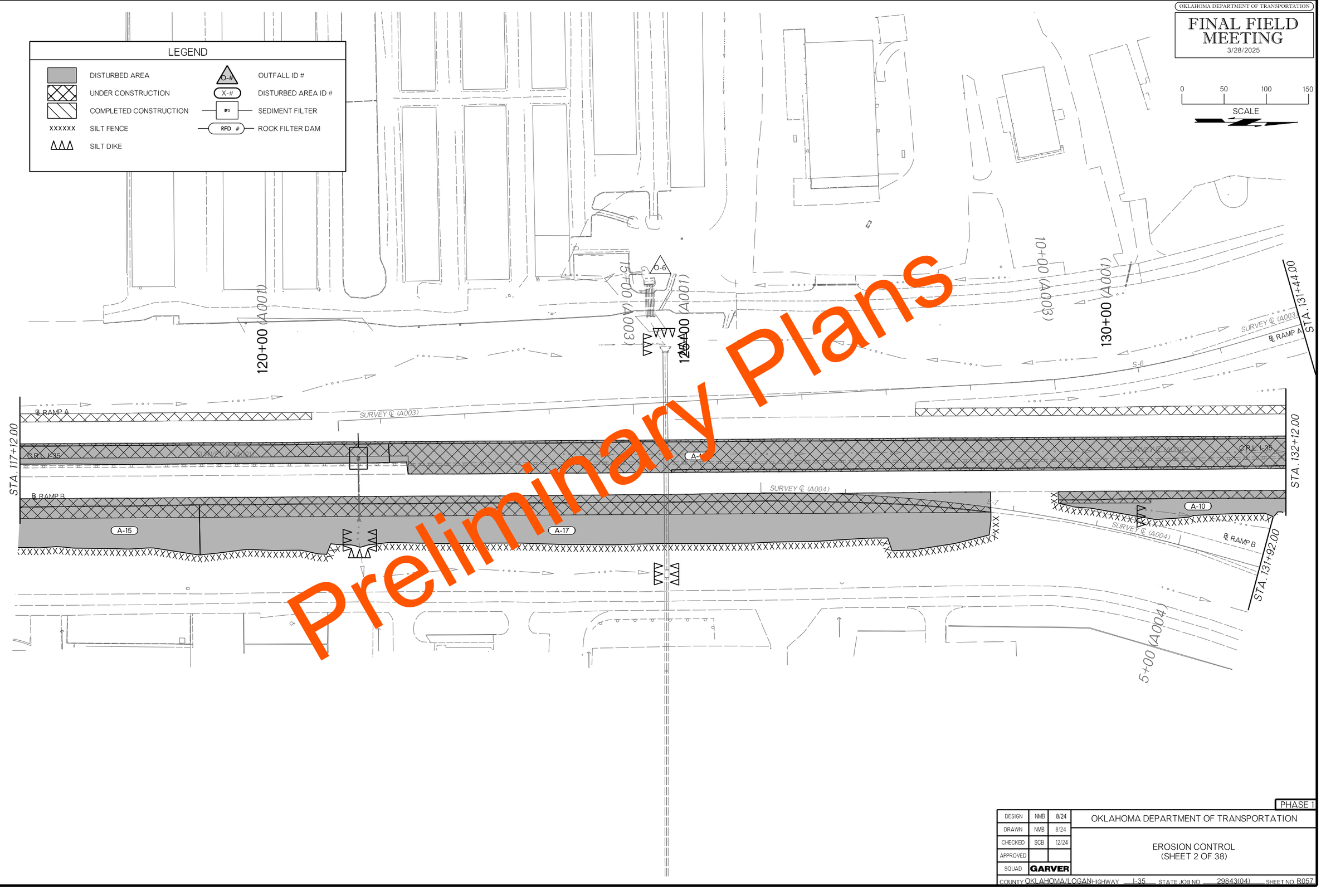
3/28/2025

0 50 100 150

SCALE

LEGEND

- DISTURBED AREA
- UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- XXXXXX SILT FENCE
- SILT DIKE
- O-# OUTFALL ID #
- X-# DISTURBED AREA ID #
- #3 SEDIMENT FILTER
- RFD # ROCK FILTER DAM



Preliminary Plans

PHASE 1

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
(SHEET 2 OF 38)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R057

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

LEGEND

- DISTURBED AREA
- UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- XXXXXX SILT FENCE
- SILT DIKE
- O-# OUTFALL ID #
- X-# DISTURBED AREA ID #
- #3 SEDIMENT FILTER
- RFD # ROCK FILTER DAM

0 50 100 150

SCALE

Preliminary Plans

E WATERLOO RD.

℄ FRONTAGE

℄ RAMP A

℄ RAMP B

℄ RAMP C

℄ RAMP D

SURVEY ℄ (A003)

SURVEY ℄ (A004)

SURVEY ℄ (A005)

SURVEY ℄ (A006)

SURVEY ℄ (A002)

STA. 131+44.00

STA. 131+92

STA. 132+12.00

STA. 146+80

STA. 147+12.00

STA. 147+31

135+00

140+00

145+00

A-4

A-5

A-6

A-7

A-10

A-11

A-19

S-8

S-9

O.R.L. I-35

℄ INDUSTRIAL

2619.54'

N89°34'24.64"E

PHASE 1

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
(SHEET 3 OF 38)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R058

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

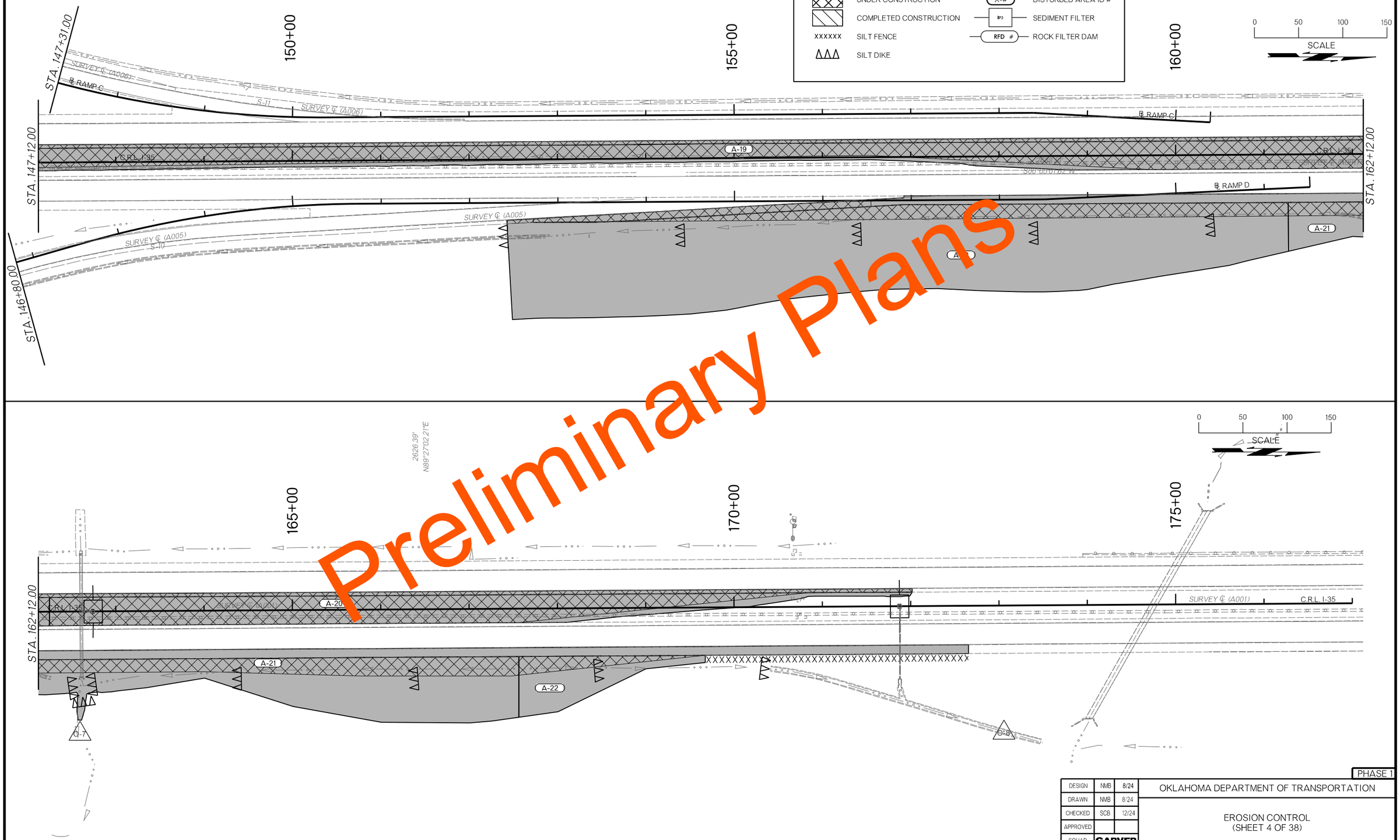
3/28/2025

LEGEND

- DISTURBED AREA
- UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- XXXXXX SILT FENCE
- SILT DIKE
- O-# OUTFALL ID #
- X-# DISTURBED AREA ID #
- IP3 SEDIMENT FILTER
- RFD # ROCK FILTER DAM

0 50 100 150

SCALE



Preliminary Plans

PHASE 1

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
(SHEET 4 OF 38)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO R059

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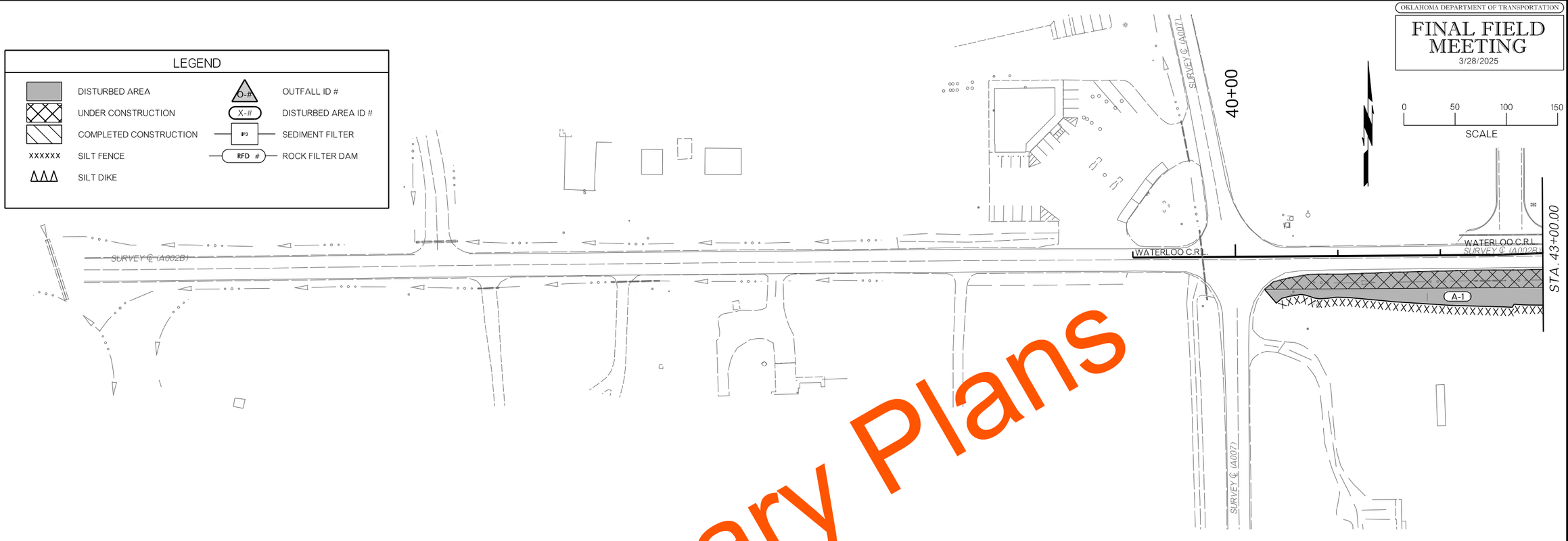
OKLAHOMA DEPARTMENT OF TRANSPORTATION

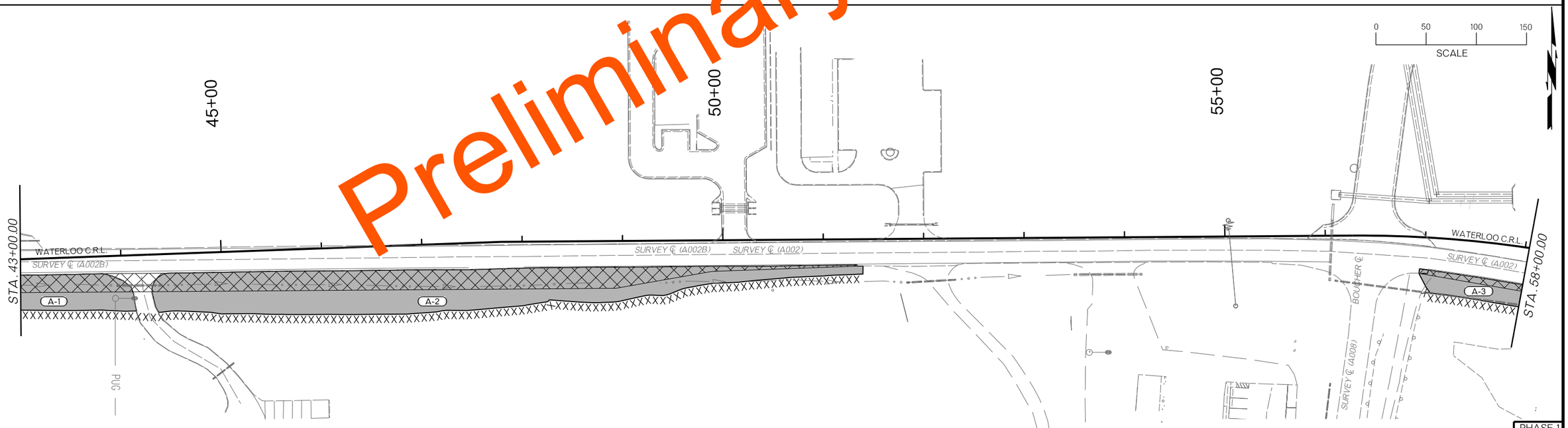
FINAL FIELD MEETING

3/28/2025

LEGEND

DISTURBED AREA	O-# OUTFALL ID #
UNDER CONSTRUCTION	X-# DISTURBED AREA ID #
COMPLETED CONSTRUCTION	#3 SEDIMENT FILTER
XXXXXX SILT FENCE	RFD # ROCK FILTER DAM
SILT DIKE	





Preliminary Plans

PHASE 1

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
(SHEET 5 OF 38)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R060

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

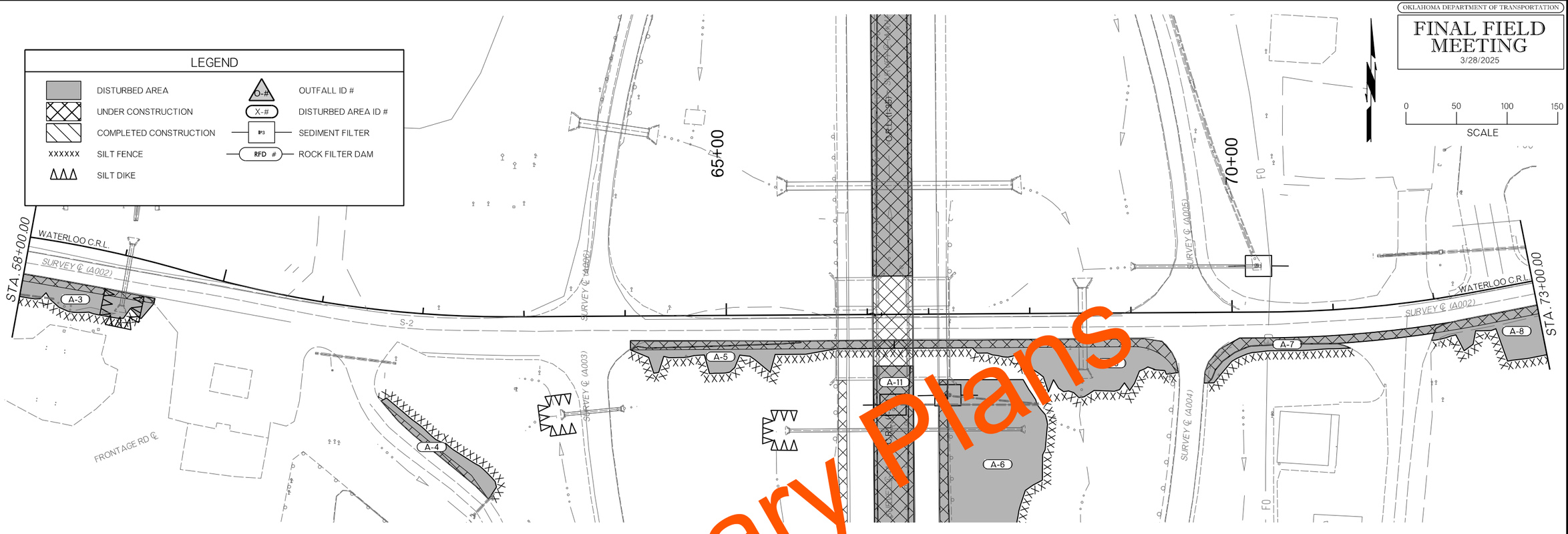
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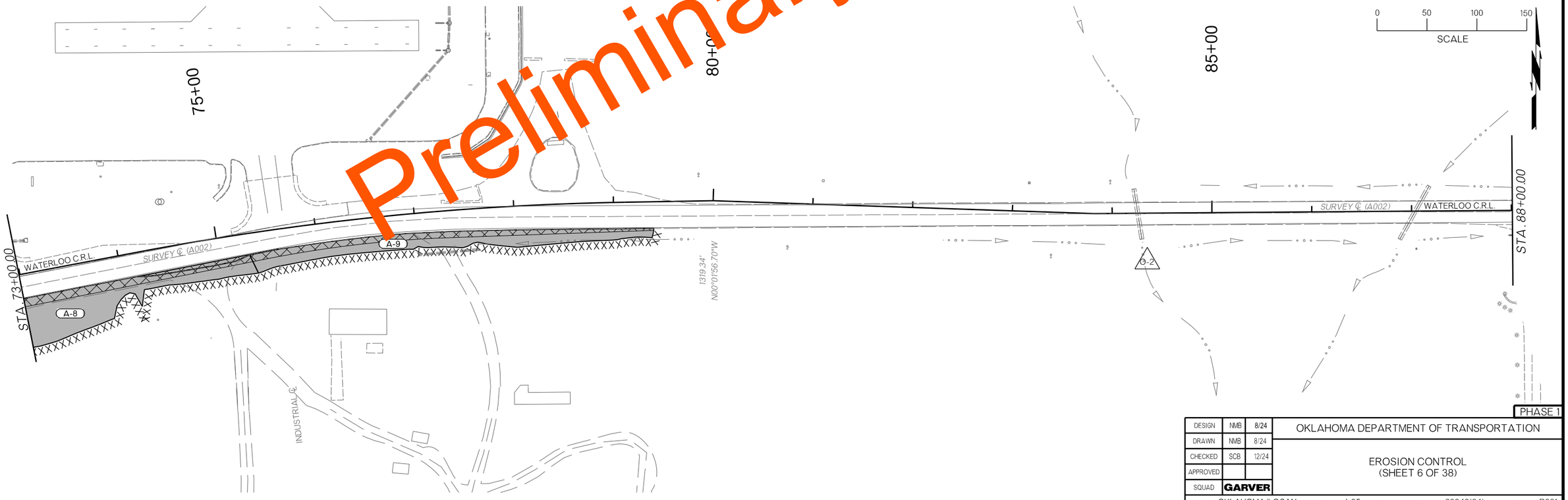
3/28/2025

LEGEND

- DISTURBED AREA
- UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- XXXXXX SILT FENCE
- SILT DIKE
- O-# OUTFALL ID #
- X-# DISTURBED AREA ID #
- #3 SEDIMENT FILTER
- RFD # ROCK FILTER DAM

0 50 100 150
SCALE





Preliminary Plans

PHASE 1

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
(SHEET 6 OF 38)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO R061

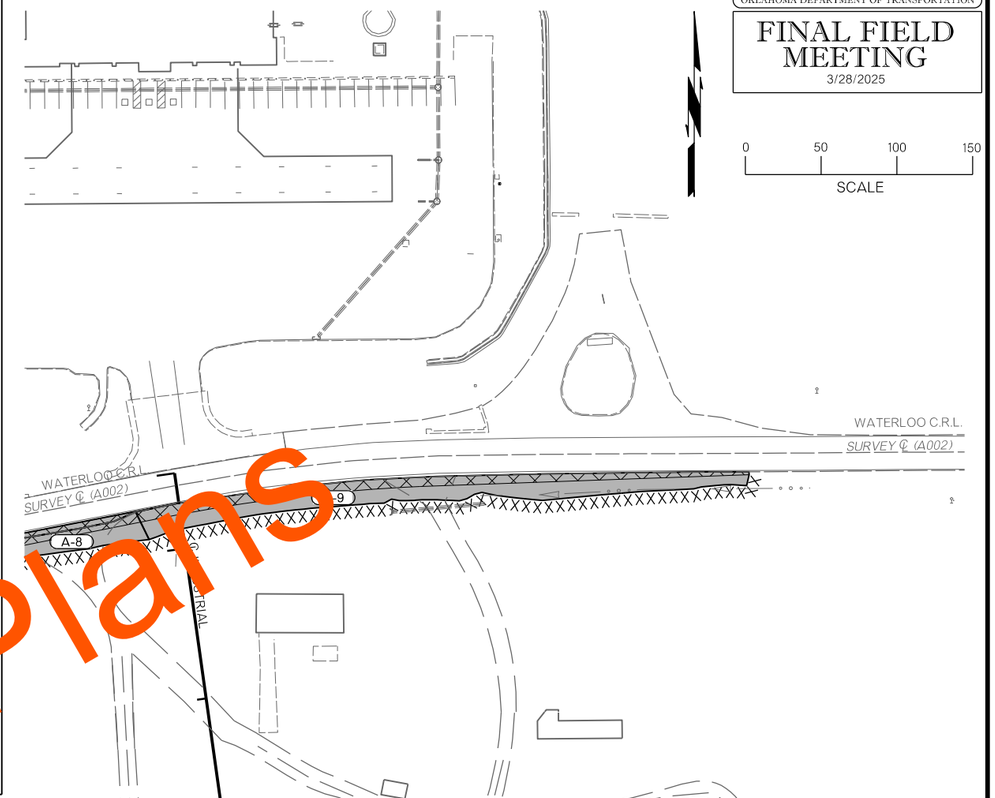
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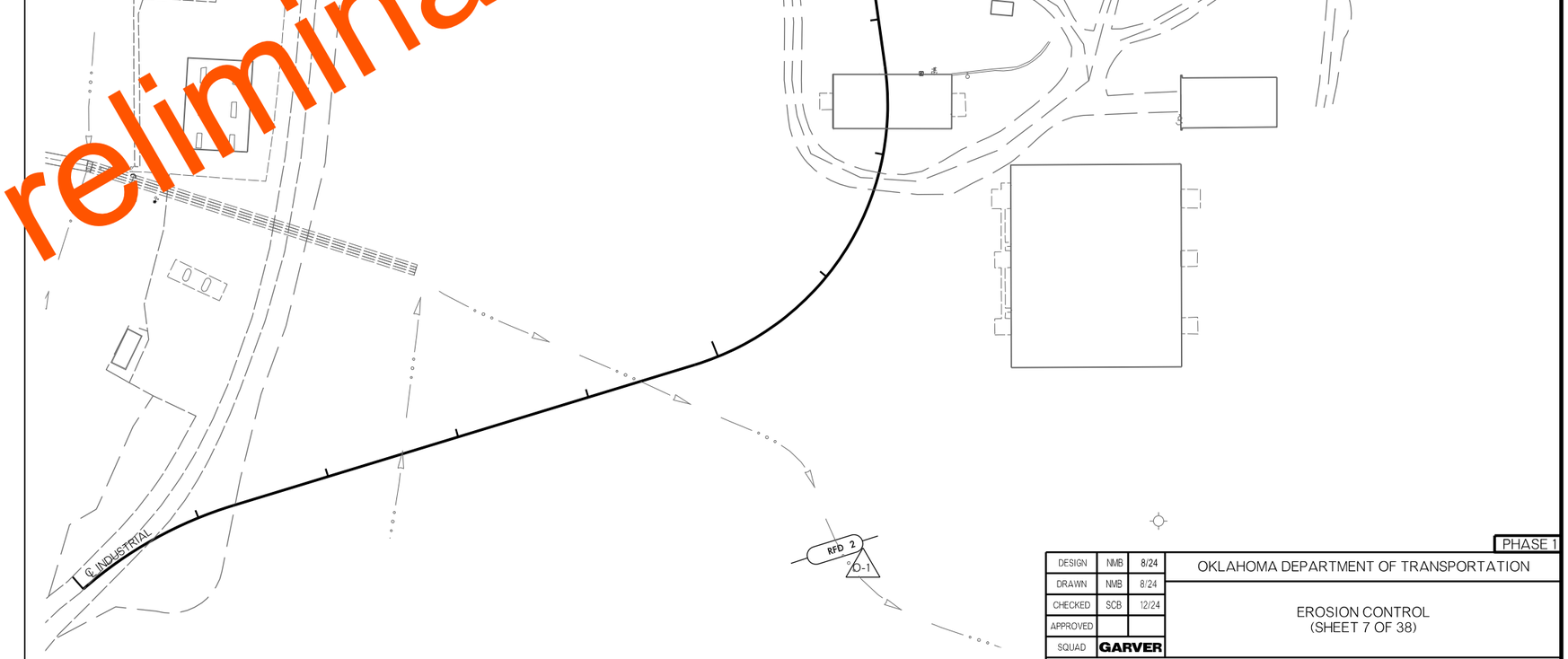
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025







LEGEND

- DISTURBED AREA
- UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- XXXXXX SILT FENCE
- SILT DIKE
- O-# OUTFALL ID #
- X-# DISTURBED AREA ID #
- IP3 SEDIMENT FILTER
- RFD # ROCK FILTER DAM

Preliminary Plans

PHASE 1

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
(SHEET 7 OF 38)

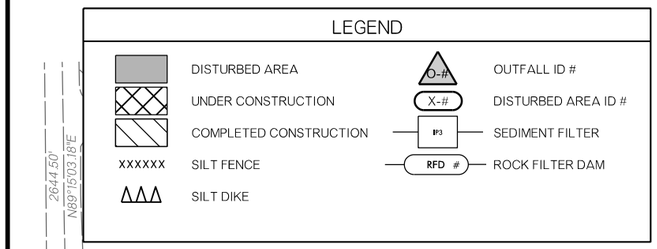
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R062

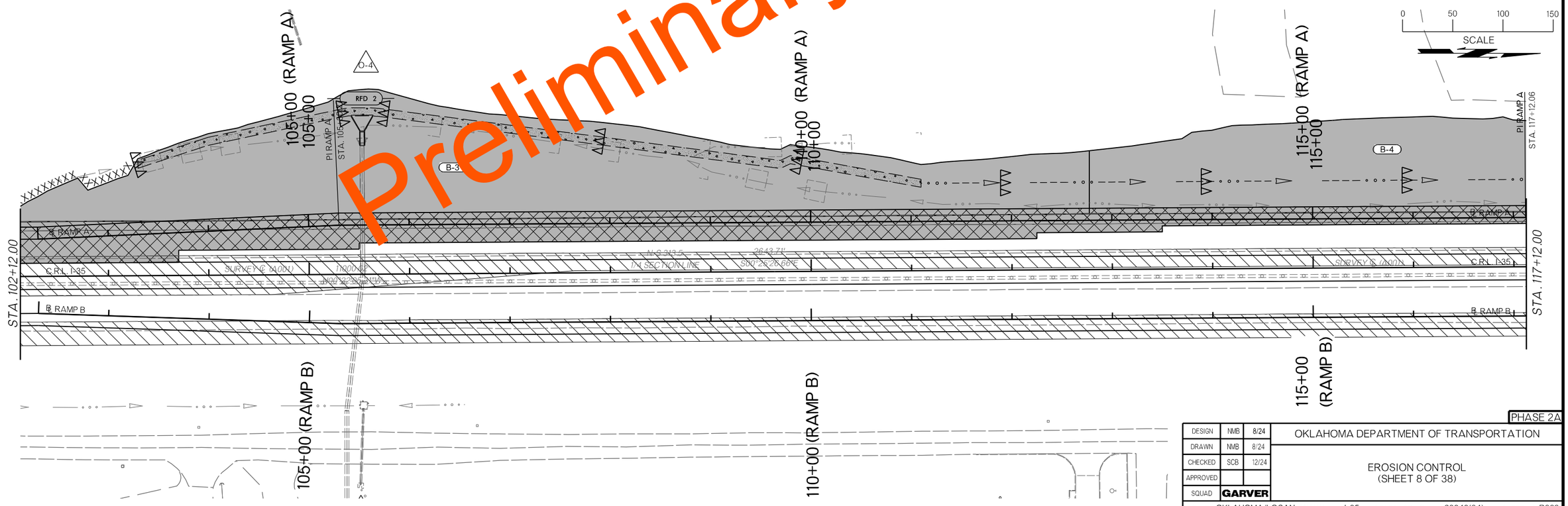
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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025





Preliminary Plans

PHASE 2A

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
(SHEET 8 OF 38)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R063

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

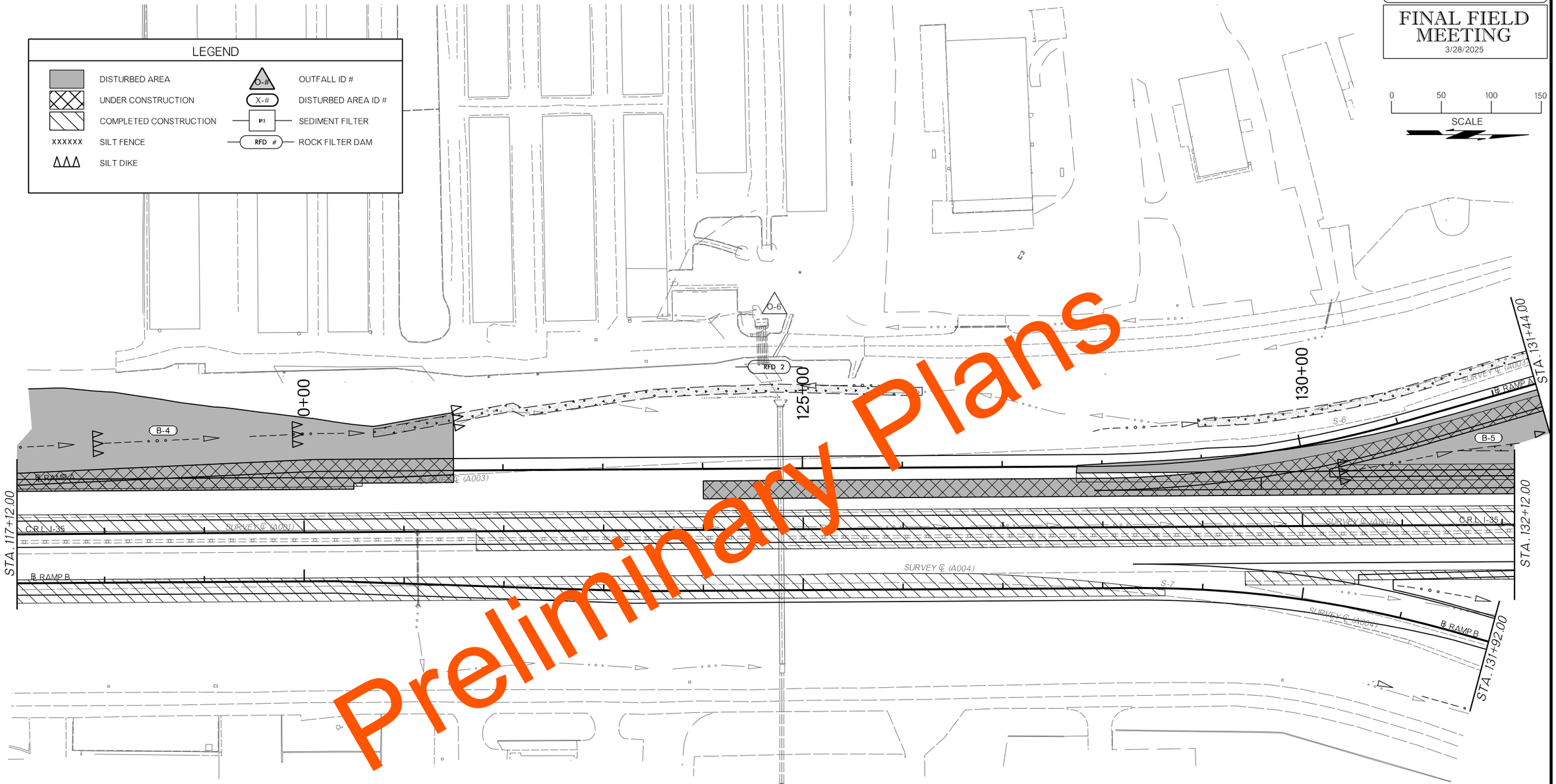
3/28/2025

0 50 100 150

SCALE

LEGEND

- DISTURBED AREA
- UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- XXXXXX SILT FENCE
- SILT DIKE
- O-# OUTFALL ID #
- X-# DISTURBED AREA ID #
- #3 SEDIMENT FILTER
- RFD # ROCK FILTER DAM



Preliminary Plans

PHASE 2A

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
(SHEET 9 OF 38)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R064

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 50 100 150

SCALE

LEGEND

- DISTURBED AREA
- UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- XXXXXX SILT FENCE
- SILT DIKE
- O-# OUTFALL ID #
- X-# DISTURBED AREA ID #
- #3 SEDIMENT FILTER
- RFD # ROCK FILTER DAM

Preliminary Plans

STA. 131+44.00

℄ RAMP A

SURVEY ℄ (A003)

B-5

135+00

RFD 2

S-7

℄ RAMP A

℄ RAMP C

SURVEY ℄ (A006)

140+00

RFD 2

B-6

145+00

SURVEY ℄ (A006)

℄ RAMP C

STA. 147+31

STA. 132+12.00

CR L-35

SURVEY ℄ (A001)

263851'

N89°34'24.64"E

2619.54'

CR L-35

SURVEY ℄ (A001)

STA. 147+12.00

STA. 131+92

℄ RAMP B

SURVEY ℄ (A004)

S-8

SURVEY ℄ (A004)

℄ RAMP B

℄ RAMP D

SURVEY ℄ (A005)

S-9

℄ RAMP D

SURVEY ℄ (A005)

STA. 146+80

℄ INDUSTRIAL

SURVEY ℄ (A002)

PHASE 2A

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
(SHEET 10 OF 38)

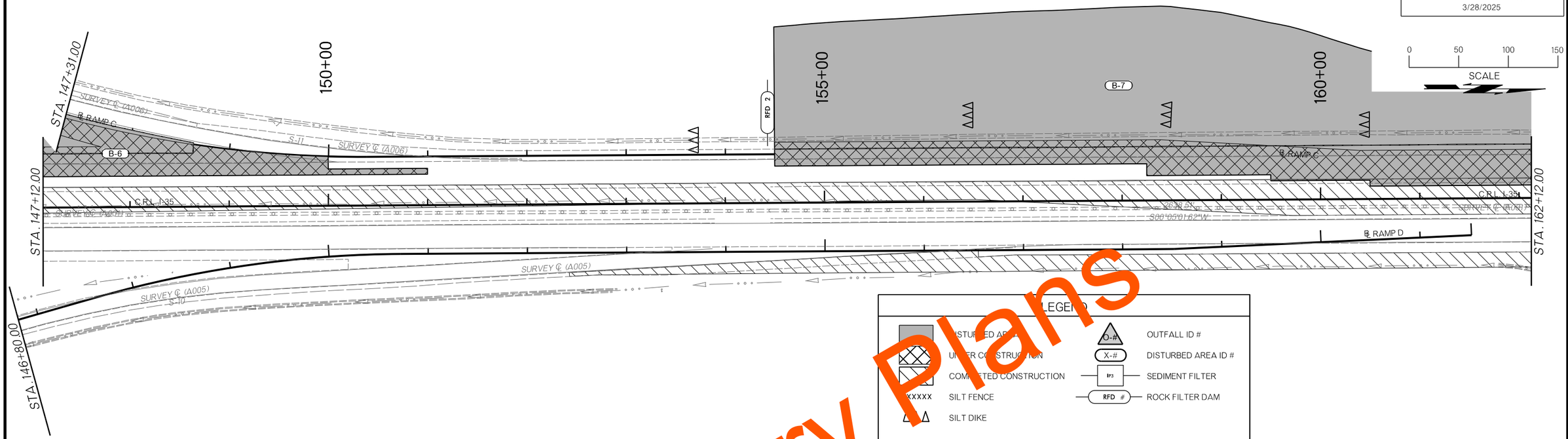
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R065

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

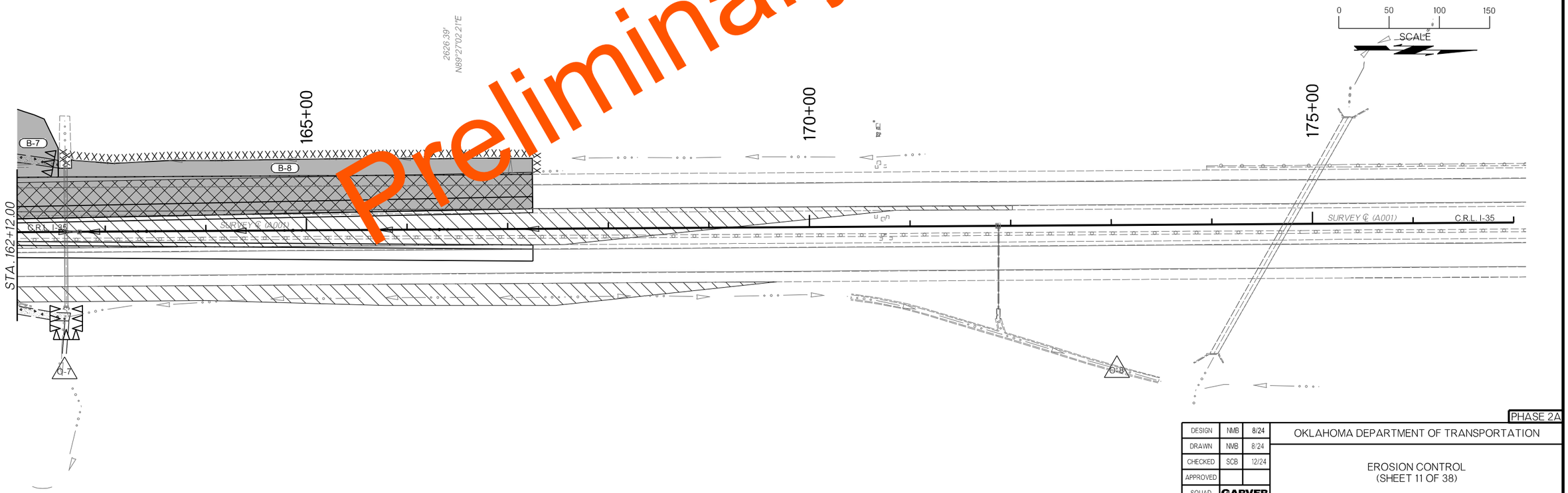
3/28/2025



LEGEND

DISTURBED AREA	O-# OUTFALL ID #
UNDER CONSTRUCTION	X-# DISTURBED AREA ID #
COMPLETED CONSTRUCTION	IP3 SEDIMENT FILTER
XXXXX SILT FENCE	RFD # ROCK FILTER DAM
SILT DIKE	

Preliminary Plans



PHASE 2A

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
(SHEET 11 OF 38)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO R066

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

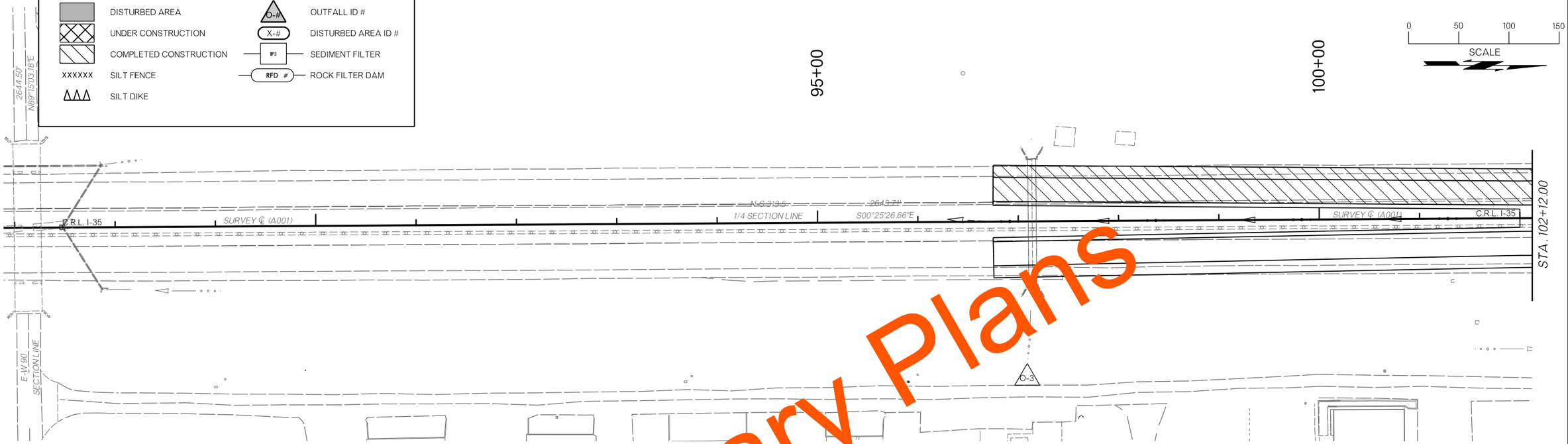
3/28/2025

LEGEND

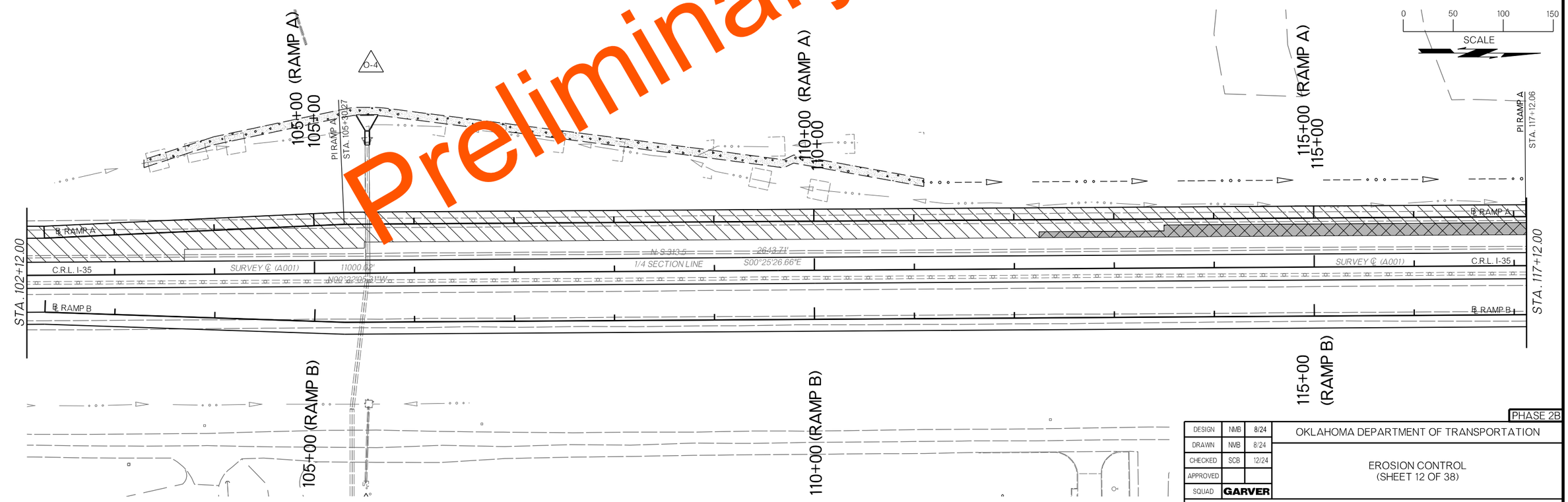
- DISTURBED AREA
- UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- XXXXXX SILT FENCE
- SILT DIKE
- O-# OUTFALL ID #
- X-# DISTURBED AREA ID #
- #3 SEDIMENT FILTER
- RFD # ROCK FILTER DAM

0 50 100 150

SCALE



Preliminary Plans



0 50 100 150

SCALE

PHASE 2B

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
(SHEET 12 OF 38)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO R067

3/28/2025 9:20:49 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_ERC_PH2B_001.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

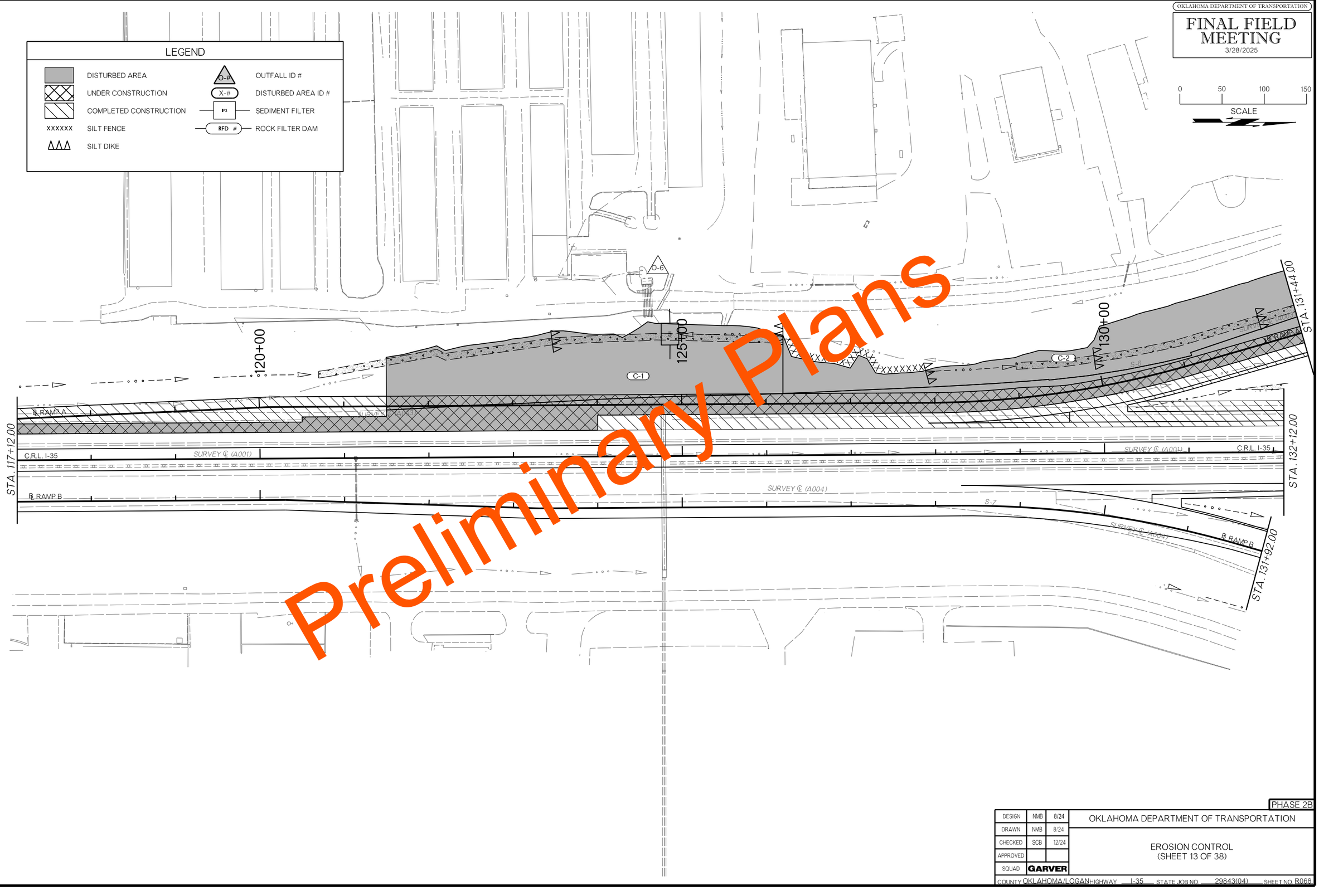
3/28/2025

LEGEND

- DISTURBED AREA
- UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- XXXXXX SILT FENCE
- SILT DIKE
- O-# OUTFALL ID #
- X-# DISTURBED AREA ID #
- #3 SEDIMENT FILTER
- RFD # ROCK FILTER DAM

0 50 100 150

SCALE



Preliminary Plans

PHASE 2B

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
(SHEET 13 OF 38)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R068

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 50 100 150

SCALE

LEGEND

- DISTURBED AREA
- UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- XXXXXX SILT FENCE
- SILT DIKE
- O-# OUTFALL ID #
- X-# DISTURBED AREA ID #
- #3 SEDIMENT FILTER
- RFD # ROCK FILTER DAM

Preliminary Plans

C-2 C-3

STA. 131+44.00

STA. 131+92

STA. 132+12.00

135+00

140+00

145+00

STA. 147+31

STA. 147+12.00

STA. 146+80

℄ RAMP A

℄ RAMP B

℄ RAMP C

℄ RAMP D

SURVEY ℄ (A003)

SURVEY ℄ (A004)

SURVEY ℄ (A005)

SURVEY ℄ (A006)

SURVEY ℄ (A001)

SURVEY ℄ (A002)

C.R.L. I-35

℄ FRONTAGE

℄ INDUSTRIAL

2638.51'
N89°34'30"W

2649.54'
N89°34'24.64"E

S-8

S-9

PHASE 2B

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
(SHEET 14 OF 38)

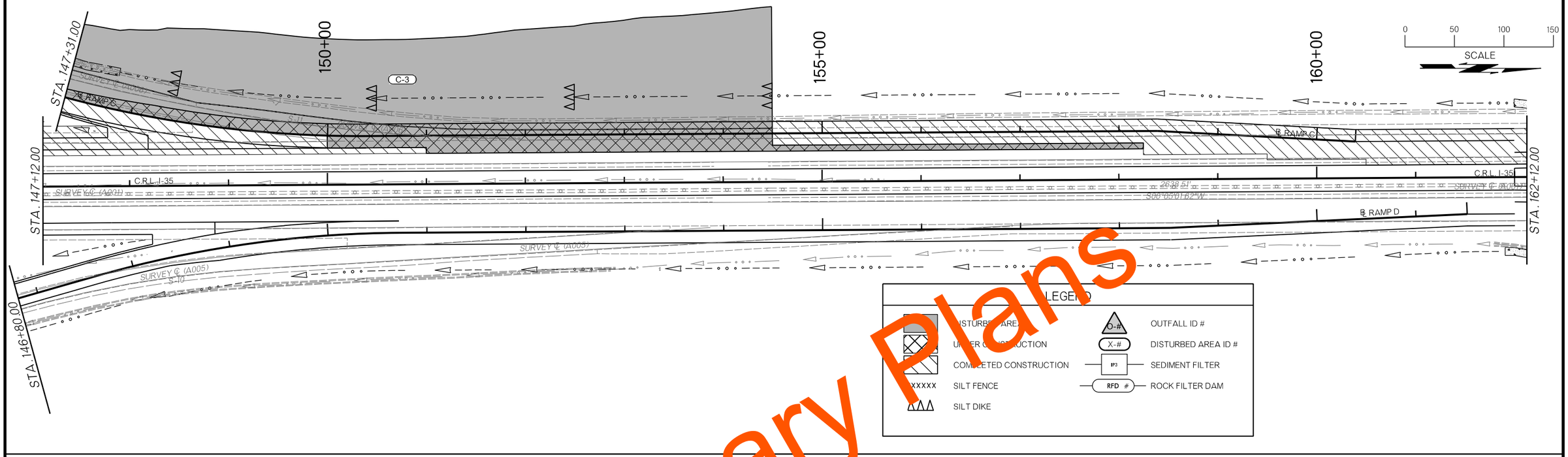
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R069

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

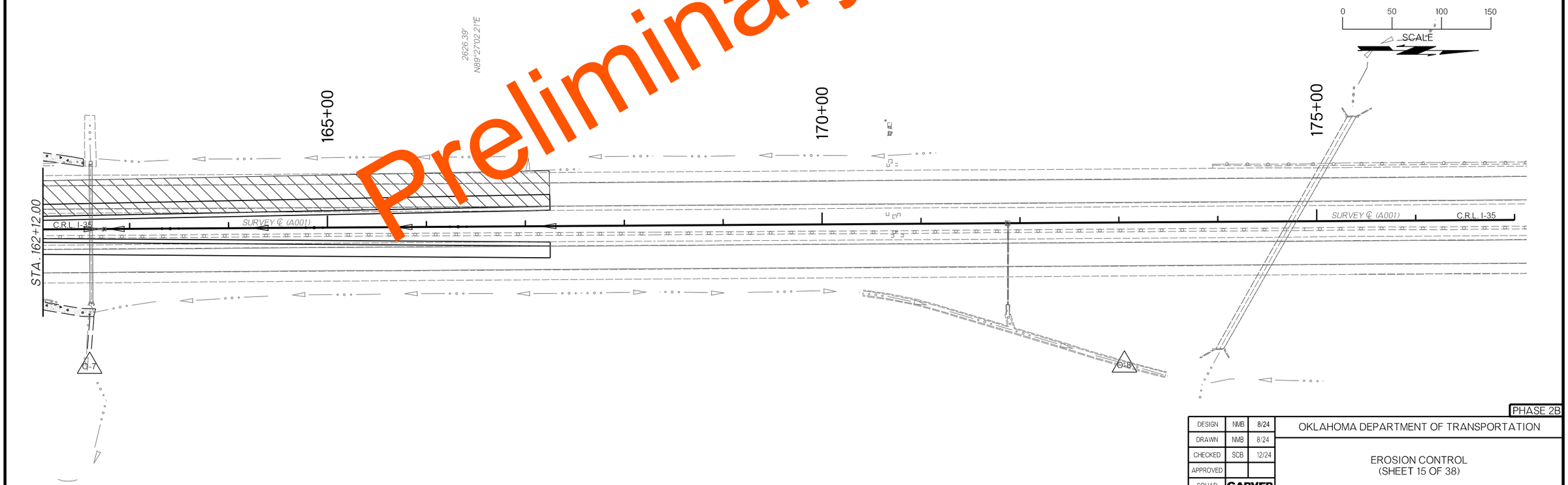
3/28/2025



LEGEND

DISTURBED AREA	O-# OUTFALL ID #
UNDER CONSTRUCTION	X-# DISTURBED AREA ID #
COMPLETED CONSTRUCTION	IP3 SEDIMENT FILTER
XXXXX SILT FENCE	RFD # ROCK FILTER DAM
SILT DIKE	

Preliminary Plans



PHASE 2B

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
(SHEET 15 OF 38)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO R070

3/28/2025 9:20:59 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_ERC_PH2B_004.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

LEGEND

- DISTURBED AREA
- UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- XXXXXX SILT FENCE
- SILT DIKE
- O-# OUTFALL ID #
- X-# DISTURBED AREA ID #
- #3 SEDIMENT FILTER
- RFD # ROCK FILTER DAM

0 50 100 150

SCALE

95+00

100+00

26+44.50' N89°15'03.18"E

E-W 90 SECTION LINE

℄ R.R.L. I-35

SURVEY ℄ (A001)

N=9,313.5'

1/4 SECTION LINE

2643.74'

S00°25'26.66"E

SURVEY ℄ (A001)

℄ R.R.L. I-35

STA. 102+12.00

O-3

Preliminary Plans

105+00 (RAMP A)

105+00

PI RAMP A STA. 105+30.27

O-4

110+00 (RAMP A)

110+00

115+00 (RAMP A)

115+00

PI RAMP A STA. 117+12.06

℄ RAMP A

℄ R.R.L. I-35

SURVEY ℄ (A001)

℄ RAMP B

D-1

D-2

D-3

D-4

STA. 102+12.00

STA. 117+12.00

105+00 (RAMP B)

110+00 (RAMP B)

115+00 (RAMP B)

PHASE 3

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
(SHEET 16 OF 38)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO R071

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

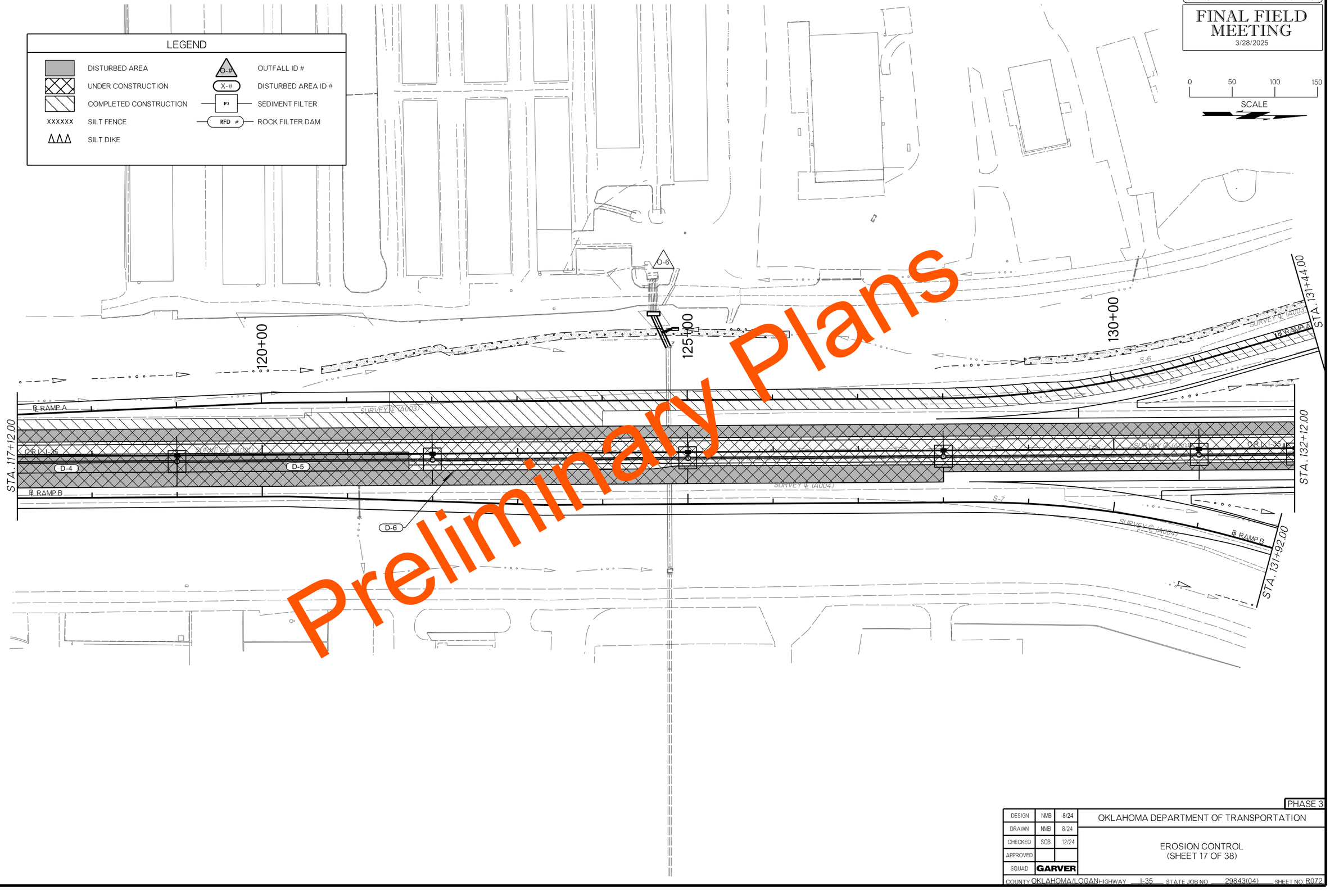
3/28/2025

0 50 100 150

SCALE

LEGEND

- DISTURBED AREA
- UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- XXXXXX SILT FENCE
- SILT DIKE
- O-# OUTFALL ID #
- X-# DISTURBED AREA ID #
- #3 SEDIMENT FILTER
- RFD # ROCK FILTER DAM



Preliminary Plans

PHASE 3

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
(SHEET 17 OF 38)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R072

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 50 100 150

SCALE

LEGEND

- DISTURBED AREA
- UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- XXXXXX SILT FENCE
- SILT DIKE
- O-# OUTFALL ID #
- X-# DISTURBED AREA ID #
- #3 SEDIMENT FILTER
- RFD # ROCK FILTER DAM

Preliminary Plans

STA. 131+44.00

STA. 131+92

STA. 132+12.00

STA. 146+80

STA. 147+12.00

STA. 147+31

135+00

140+00

145+00

℄ RAMP A

℄ RAMP B

℄ RAMP C

℄ RAMP D

SURVEY ℄ (A003)

SURVEY ℄ (A004)

SURVEY ℄ (A005)

SURVEY ℄ (A006)

SURVEY ℄ (A006)

SURVEY ℄ (A005)

℄ I-35

℄ FRONTAGE

℄ INDUSTRIAL

D-7

D-8

2619.54'

N89°34'24.64"E

S.D.

PHASE 3

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
(SHEET 18 OF 38)

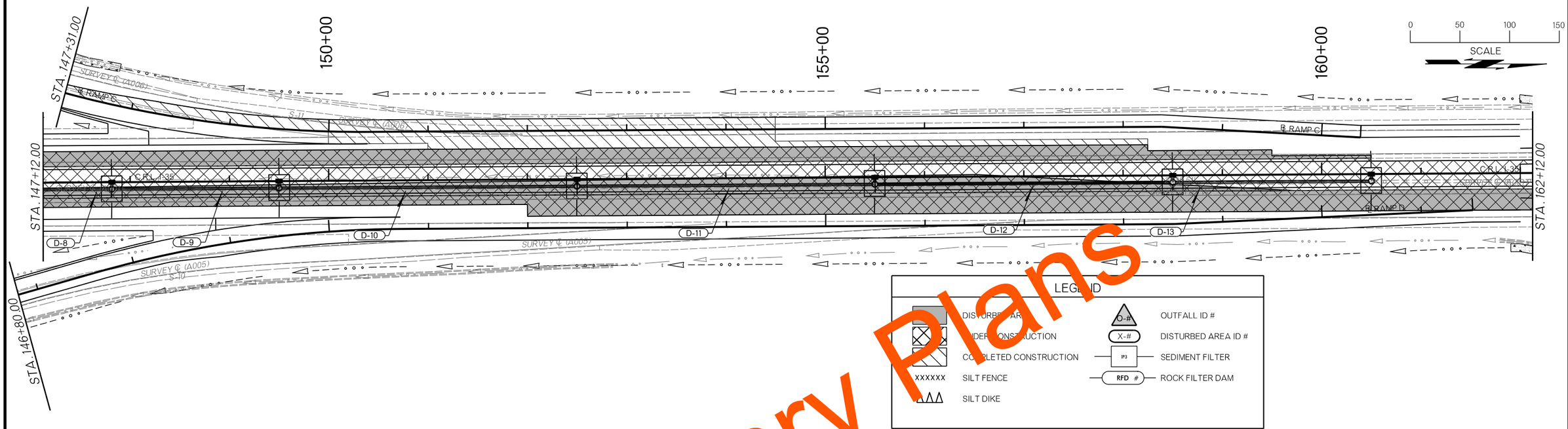
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R073

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

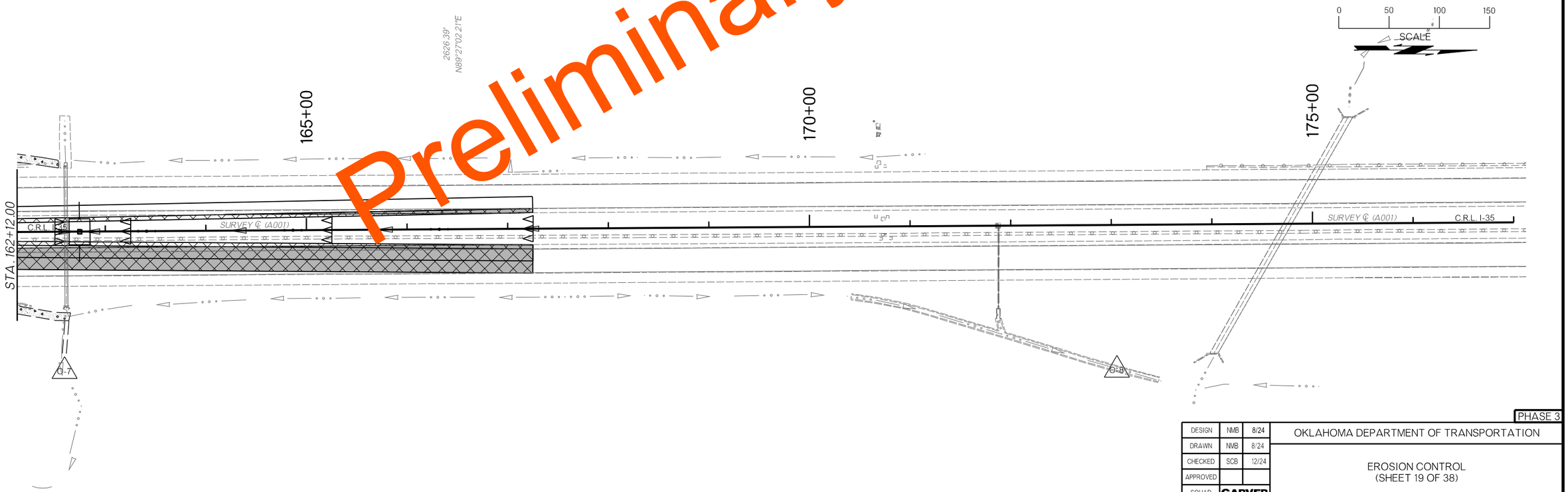
3/28/2025



LEGEND

DISTURBED AREA	O-# OUTFALL ID #
UNDER CONSTRUCTION	X-# DISTURBED AREA ID #
COMPLETED CONSTRUCTION	IP3 SEDIMENT FILTER
XXXXXX SILT FENCE	RFD # ROCK FILTER DAM
SILT DIKE	

Preliminary Plans



PHASE 3

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
(SHEET 19 OF 38)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO R074

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 50 100 150

SCALE

LEGEND

- DISTURBED AREA
- UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- XXXXXX SILT FENCE
- SILT DIKE
- O-# OUTFALL ID #
- X-# DISTURBED AREA ID #
- #3 SEDIMENT FILTER
- RFD # ROCK FILTER DAM

Preliminary Plans

O-6

120+00

125+00

130+00

STA. 131+44.00

STA. 117+12.00

STA. 132+12.00

STA. 131+92.00

℄ RAMP A

℄ RAMP B

SURVEY ℄ (A003)

SURVEY ℄ (A001)

SURVEY ℄ (A004)

SURVEY ℄ (A007)

C.R.L. I-35

S-6

S-7

E-20

PHASE 4A

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
(SHEET 20 OF 38)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R075

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 50 100 150

SCALE

LEGEND

- DISTURBED AREA
- UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- XXXXXX SILT FENCE
- SILT DIKE
- O-# OUTFALL ID #
- X-# DISTURBED AREA ID #
- #3 SEDIMENT FILTER
- RFD # ROCK FILTER DAM

Preliminary Plans

E-12 E-13 E-14 E-15 E-16 E-17 E-18 E-20 E-21

℄ RAMP A SURVEY ℄ (A003)

℄ RAMP A

℄ RAMP C SURVEY ℄ (A006)

℄ RAMP C SURVEY ℄ (A006)

℄ RAMP B SURVEY ℄ (A004)

℄ RAMP B SURVEY ℄ (A004)

℄ RAMP D SURVEY ℄ (A005)

℄ RAMP D SURVEY ℄ (A005)

℄ RAMP L SURVEY ℄ (A001)

℄ RAMP L SURVEY ℄ (A001)

℄ INDUSTRIAL

℄ I-35 SOUTH

℄ I-35 NORTH

NB I-35 TO WB I-44

STA. 131+44.00

STA. 131+92

STA. 132+12.00

135+00

140+00

145+00

STA. 146+80

STA. 147+12.00

STA. 147+31

PHASE 4A

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
(SHEET 21 OF 38)

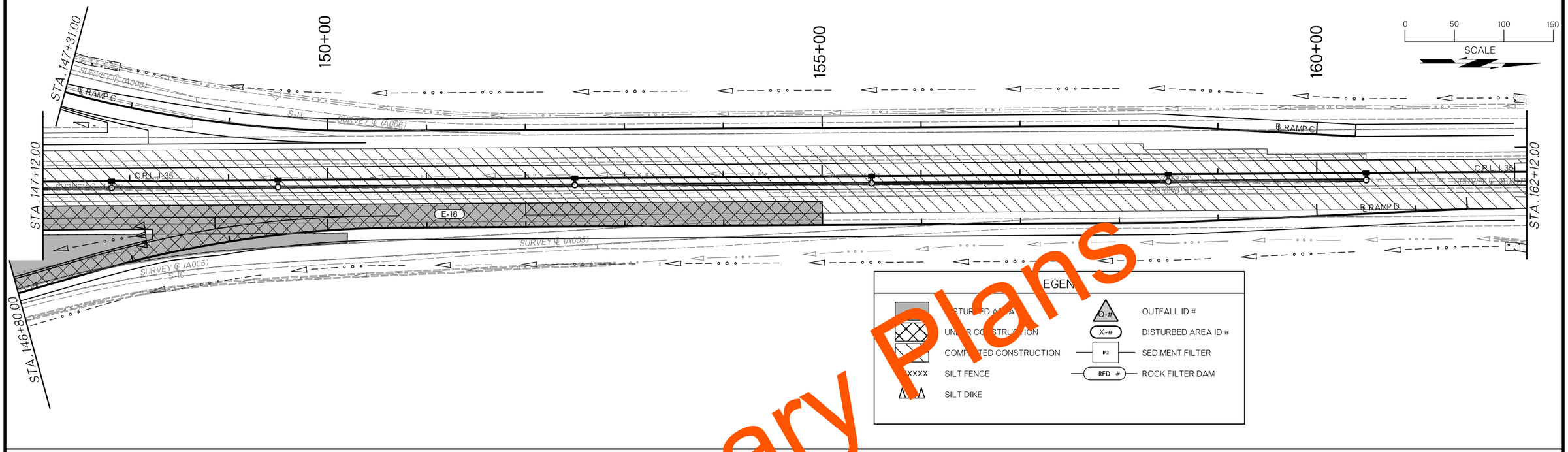
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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

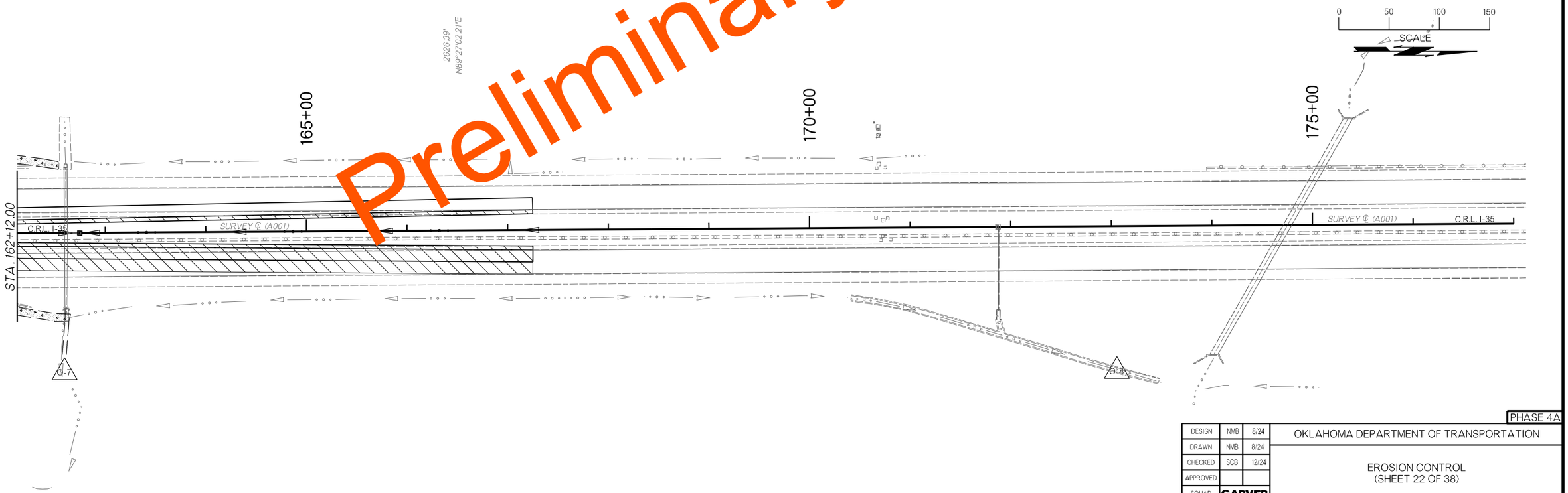
3/28/2025



LEGEND

DISTURBED AREA	O-# OUTFALL ID #
UNDER CONSTRUCTION	X-# DISTURBED AREA ID #
COMPLETED CONSTRUCTION	SEDIMENT FILTER
XXXX SILT FENCE	RFD # ROCK FILTER DAM
SILT DIKE	

Preliminary Plans



PHASE 4A

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
(SHEET 22 OF 38)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO R077

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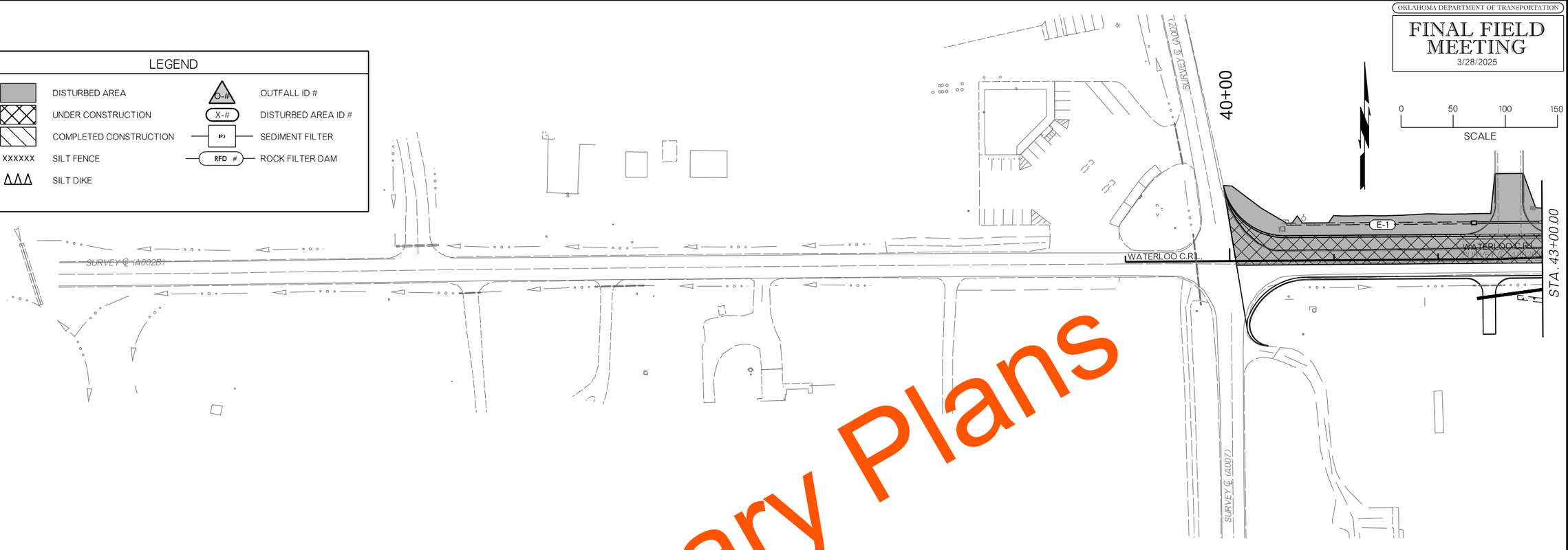
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

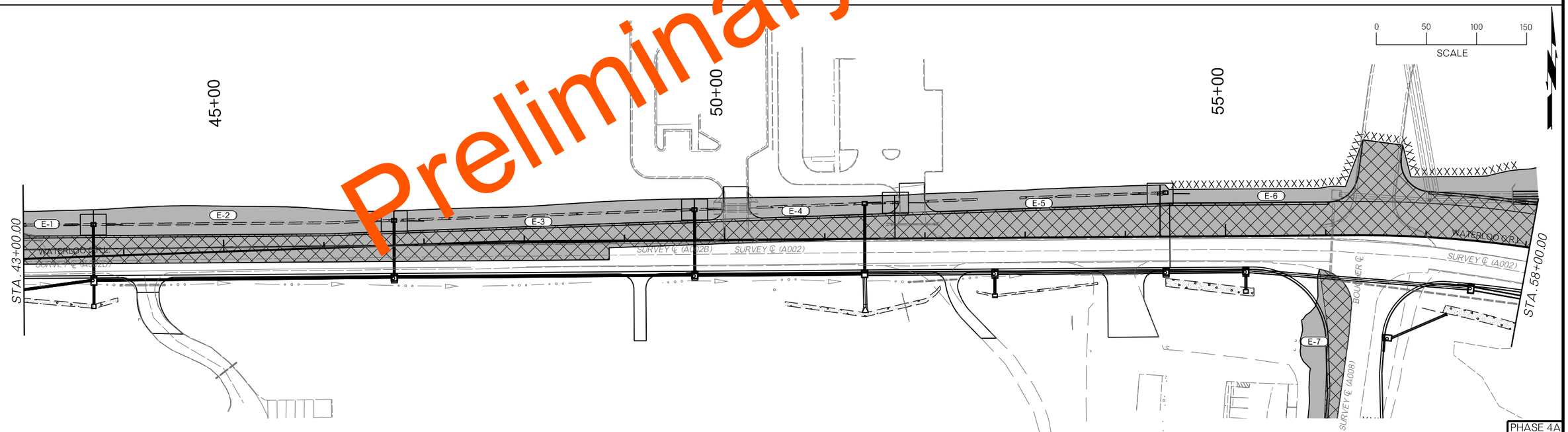
3/28/2025

LEGEND

- DISTURBED AREA
- UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- XXXXXX SILT FENCE
- SILT DIKE
- O-# OUTFALL ID #
- X-# DISTURBED AREA ID #
- #3 SEDIMENT FILTER
- RFD # ROCK FILTER DAM



Preliminary Plans



PHASE 4A

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
(SHEET 23 OF 38)

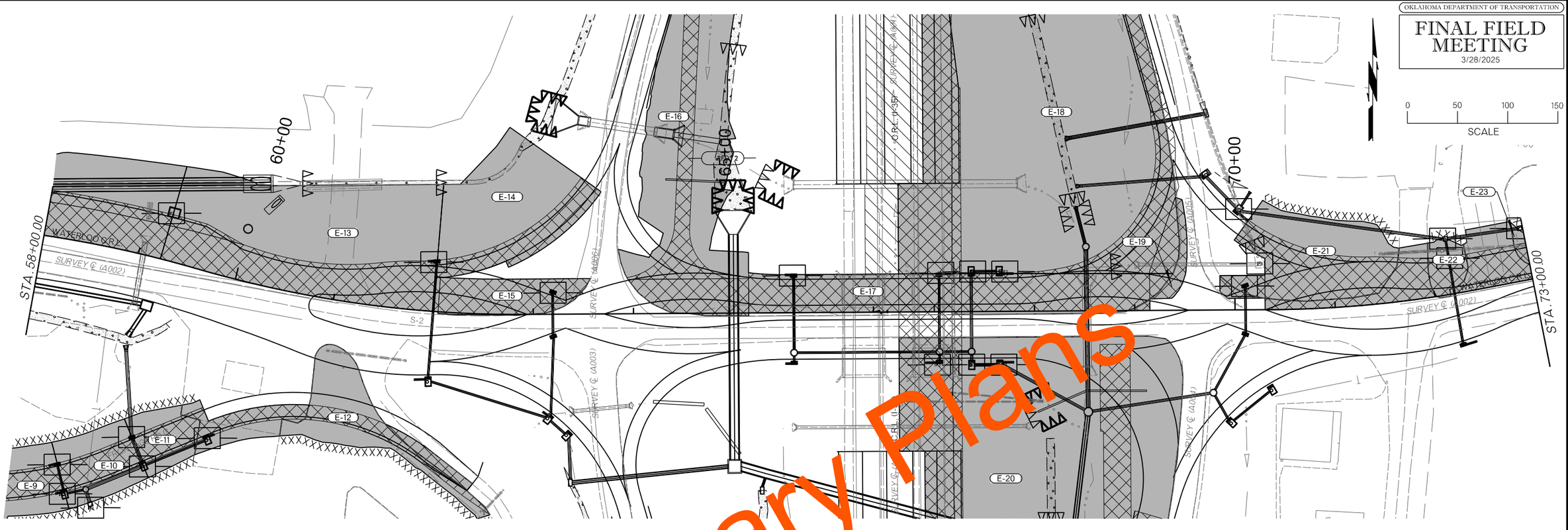
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO R078

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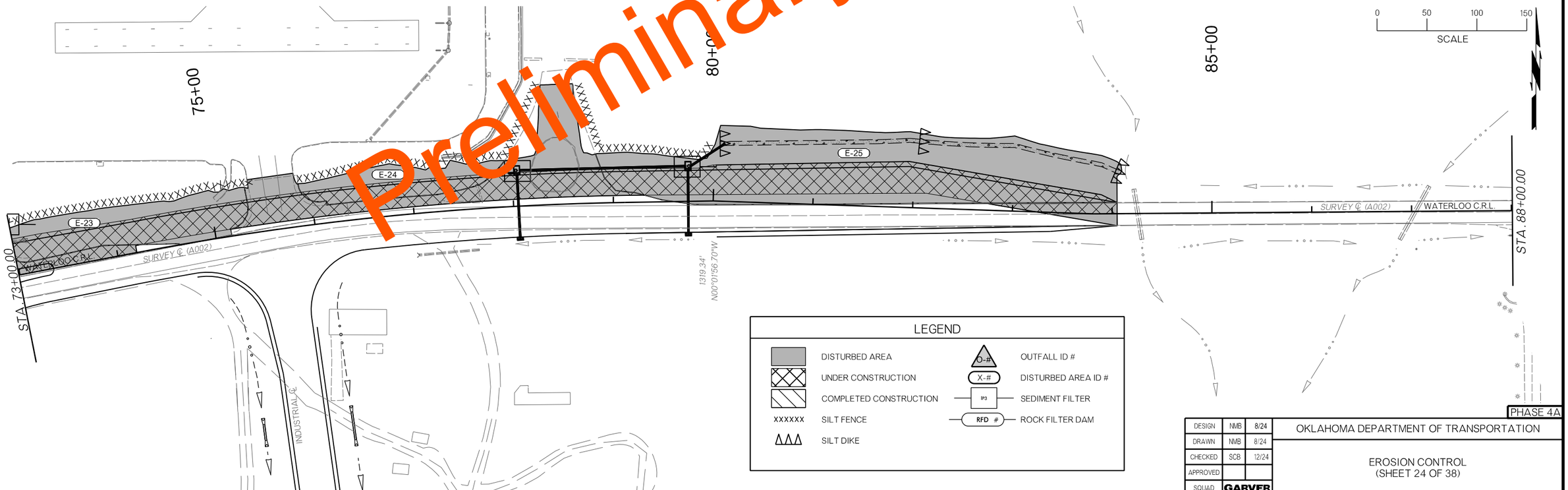
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025



Preliminary Plans



LEGEND

DISTURBED AREA	O-# OUTFALL ID #
UNDER CONSTRUCTION	X-# DISTURBED AREA ID #
COMPLETED CONSTRUCTION	IP3 SEDIMENT FILTER
XXXXXX SILT FENCE	RFD # ROCK FILTER DAM
SILT DIKE	

PHASE 4A

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
(SHEET 24 OF 38)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO R079

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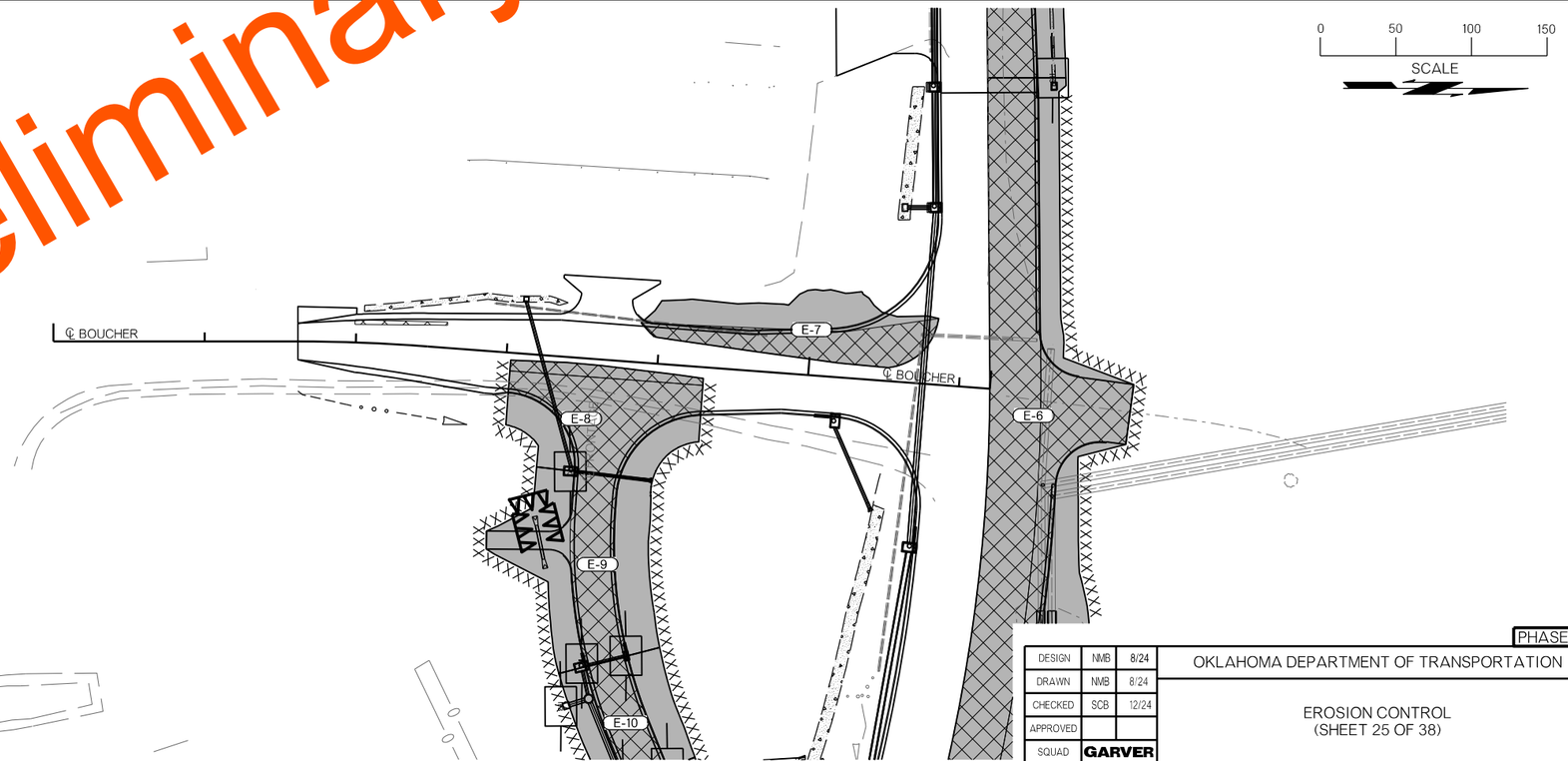
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025

Preliminary Plans

LEGEND

- DISTURBED AREA
- UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- XXXXXX SILT FENCE
- SILT DIKE
- O-# OUTFALL ID #
- X-# DISTURBED AREA ID #
- SEDIMENT FILTER
- RFD # ROCK FILTER DAM



PHASE 4A

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
(SHEET 25 OF 38)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO R080

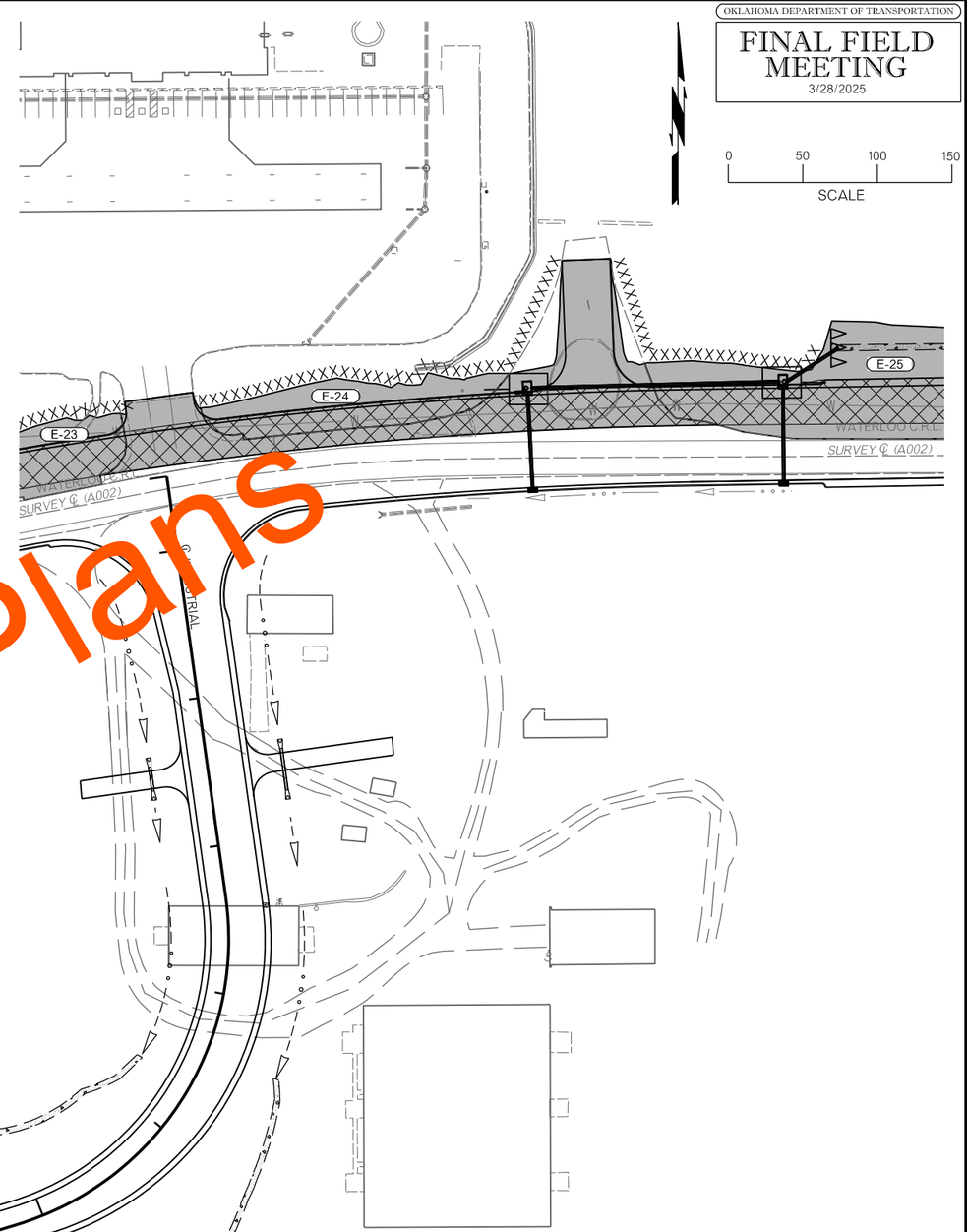
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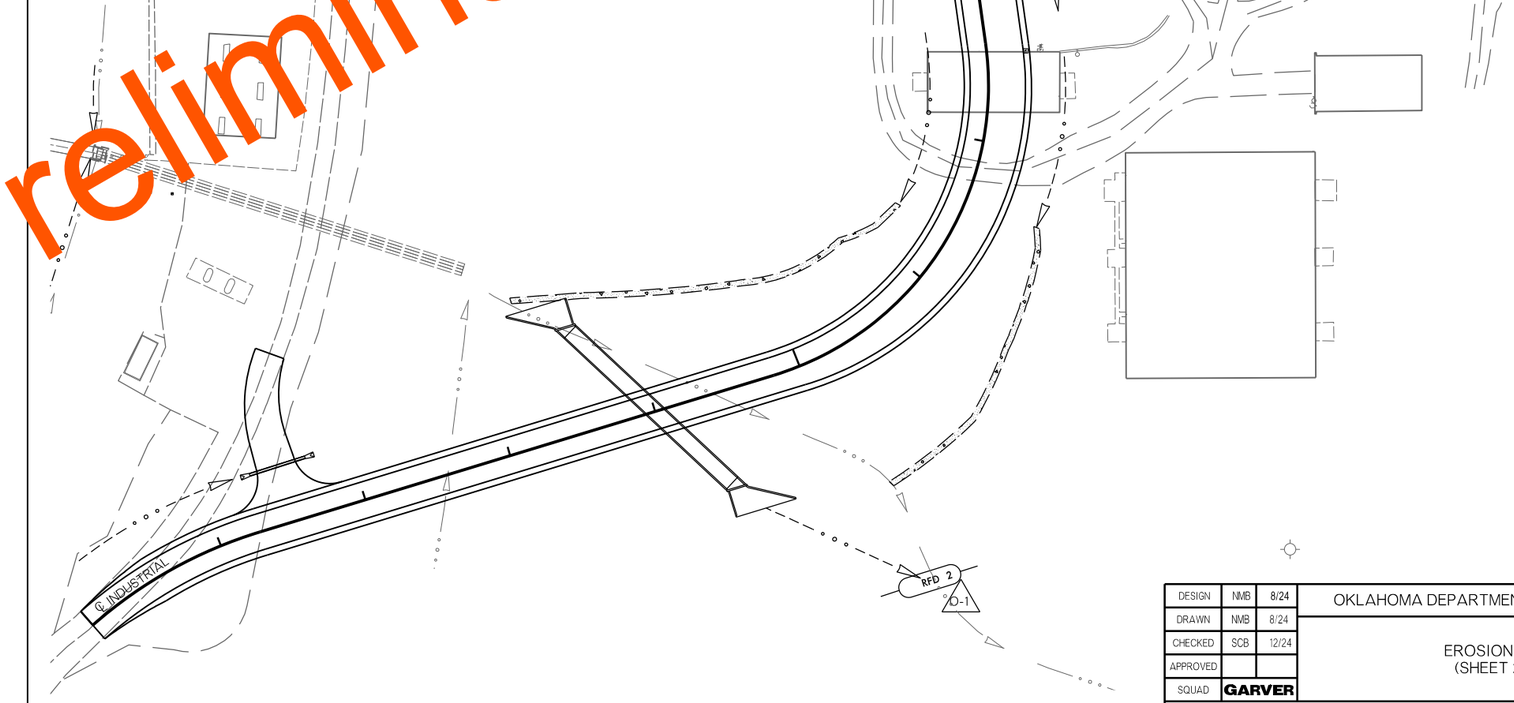
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025







LEGEND

- DISTURBED AREA
- UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- XXXXXX SILT FENCE
- SILT DIKE
- O-# OUTFALL ID #
- X-# DISTURBED AREA ID #
- IP3 SEDIMENT FILTER
- RFD # ROCK FILTER DAM

Preliminary Plans

PHASE 4A

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
(SHEET 26 OF 38)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R081

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

LEGEND

- DISTURBED AREA
- UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- XXXXXX SILT FENCE
- SILT DIKE
- O-# OUTFALL ID #
- X-# DISTURBED AREA ID #
- #3 SEDIMENT FILTER
- RFD # ROCK FILTER DAM

0 50 100 150

SCALE

95+00

100+00

26+44.50' N89°15'03.18"E

℄ R.R.L. I-35

SURVEY ℄ (A001)

N=9,313.5

2643.71'

1/4 SECTION LINE

S00°25'26.66"E

SURVEY ℄ (A001)

C.R.L. I-35

STA. 102+12.00

F-35

O-3

E-W 90 SECTION LINE

Preliminary Plans

105+00 (RAMP A)

105+00

PI RAMP A STA. 105+30.27

O-4

110+00 (RAMP A)

110+00

115+00 (RAMP A)

115+00

PI RAMP A STA. 117+12.06

0 50 100 150

SCALE

STA. 102+12.00

℄ RAMP A

C.R.L. I-35

SURVEY ℄ (A001)

11000.00'

N00°22'09.31"W

N=9,313.5

2643.71'

1/4 SECTION LINE

S00°25'26.66"E

SURVEY ℄ (A001)

C.R.L. I-35

℄ RAMP A

STA. 117+12.00

℄ RAMP B

℄ RAMP B

F-35

105+00 (RAMP B)

110+00 (RAMP B)

115+00 (RAMP B)

PHASE 5

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
(SHEET 27 OF 38)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO R082

3/28/2025 9:21:45 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_ERC_PH5_001.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

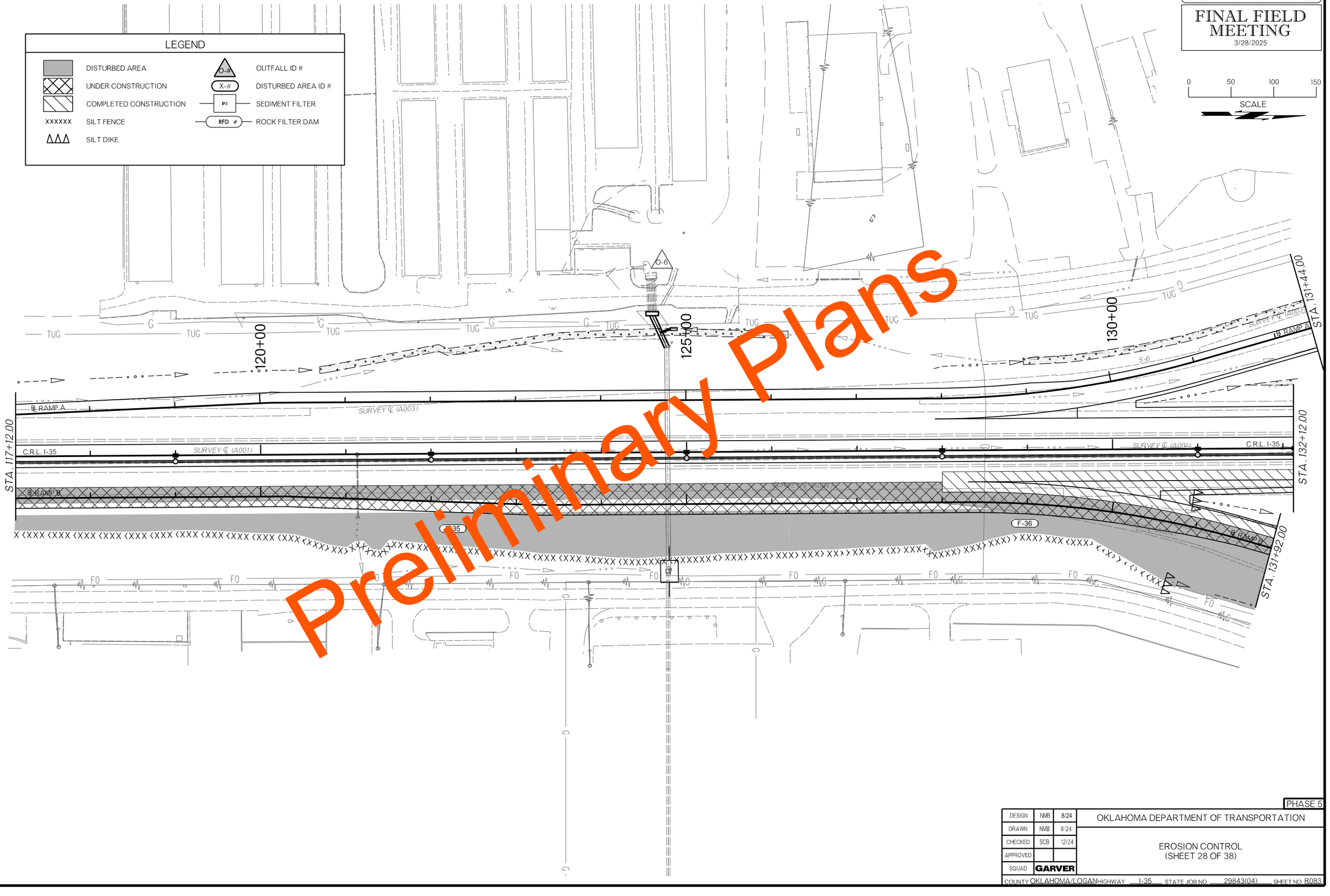
3/28/2025

LEGEND

- DISTURBED AREA
- UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- XXXXXX SILT FENCE
- SILT DIKE
- O-# OUTFALL ID #
- X-# DISTURBED AREA ID #
- #3 SEDIMENT FILTER
- RFD # ROCK FILTER DAM

0 50 100 150

SCALE



Preliminary Plans

PHASE 5

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
(SHEET 28 OF 38)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R083

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

LEGEND

- DISTURBED AREA
- UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- XXXXXX SILT FENCE
- SILT DIKE
- O-# OUTFALL ID #
- X-# DISTURBED AREA ID #
- #3 SEDIMENT FILTER
- RFD # ROCK FILTER DAM

0 50 100 150

SCALE

F-16 F-17 F-18 F-19 F-20 F-21 F-22 F-23 F-25 F-26 F-27 F-28 F-29 F-36 F-37

STA. 131+44.00

STA. 131+92

STA. 132+12.00

135+00

140+00

145+00

STA. 147+31

STA. 147+12.00

STA. 146+80

SURVEY ℄ (A003)

SURVEY ℄ (A004)

SURVEY ℄ (A005)

SURVEY ℄ (A006)

SURVEY ℄ (A001)

℄ RAMP A

℄ RAMP B

℄ RAMP C

℄ RAMP D

℄ RAMP E

℄ RAMP F

C.R.L. I-35

N89°44'54"E 268.51'

N89°44'54"E 268.51'

N89°44'54"W 268.51'

Preliminary Plans

PHASE 5

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
(SHEET 29 OF 38)

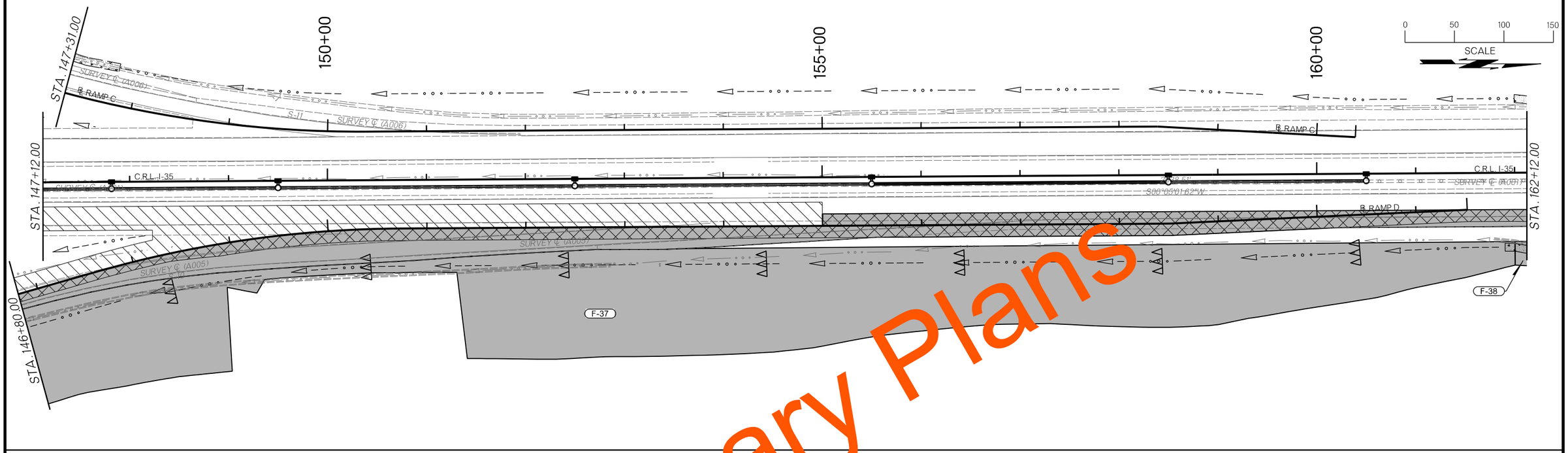
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R084

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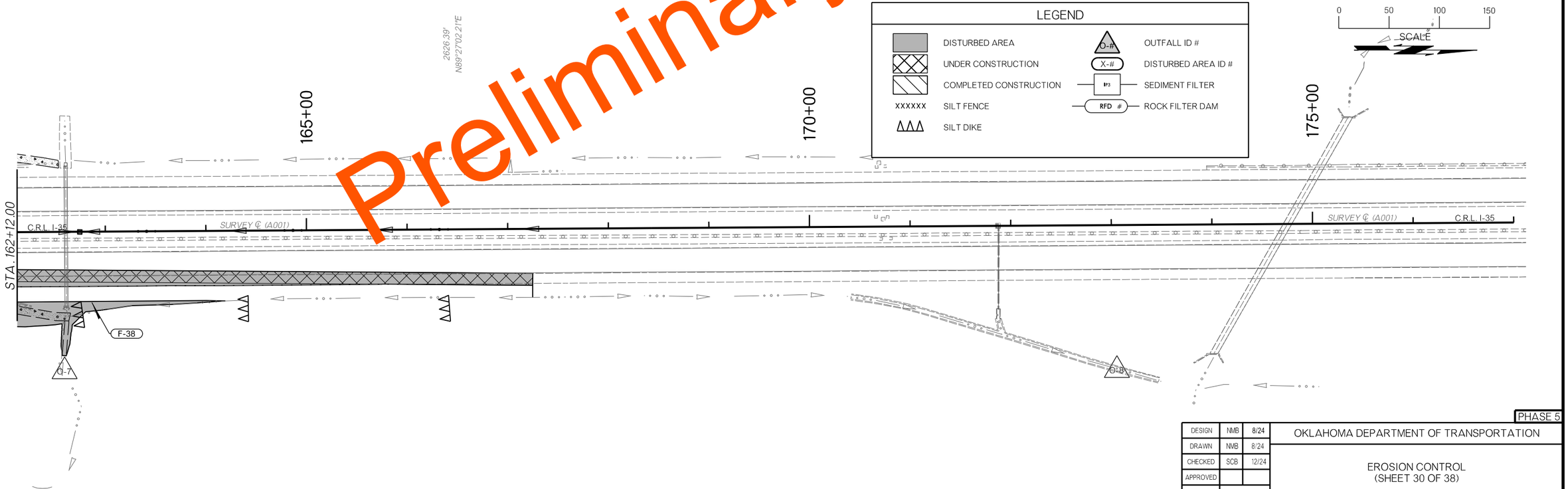
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025



Preliminary Plans



PHASE 5

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
(SHEET 30 OF 38)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO R085

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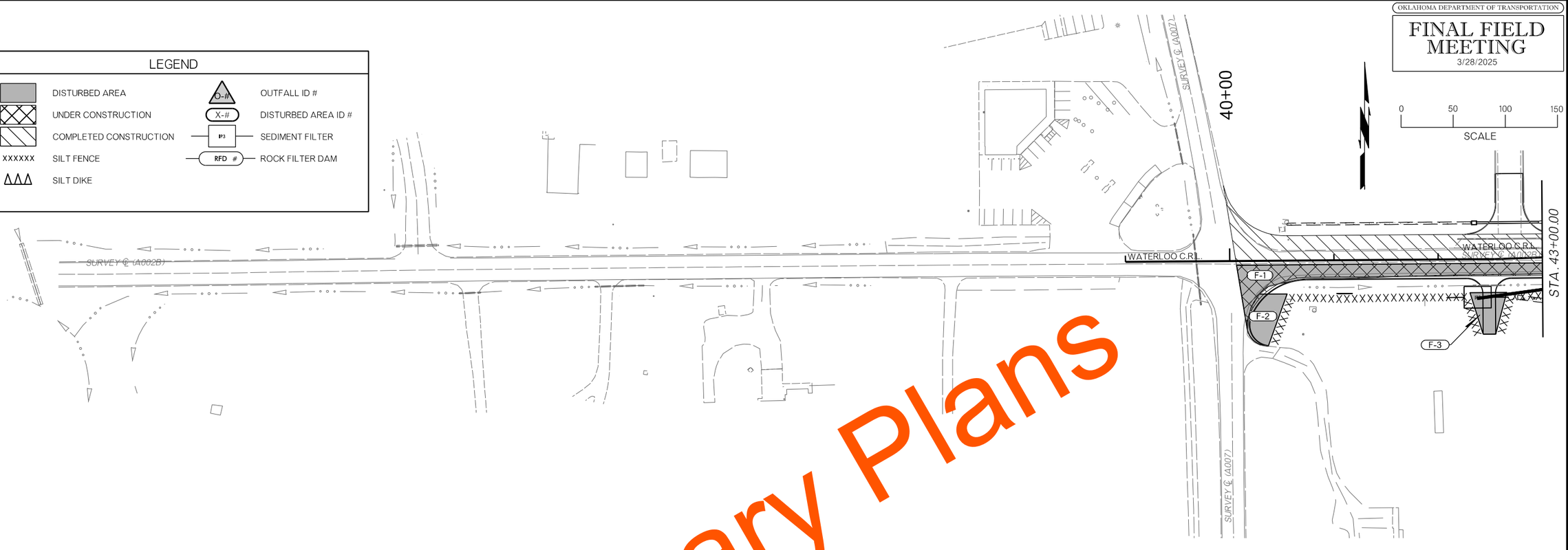
OKLAHOMA DEPARTMENT OF TRANSPORTATION

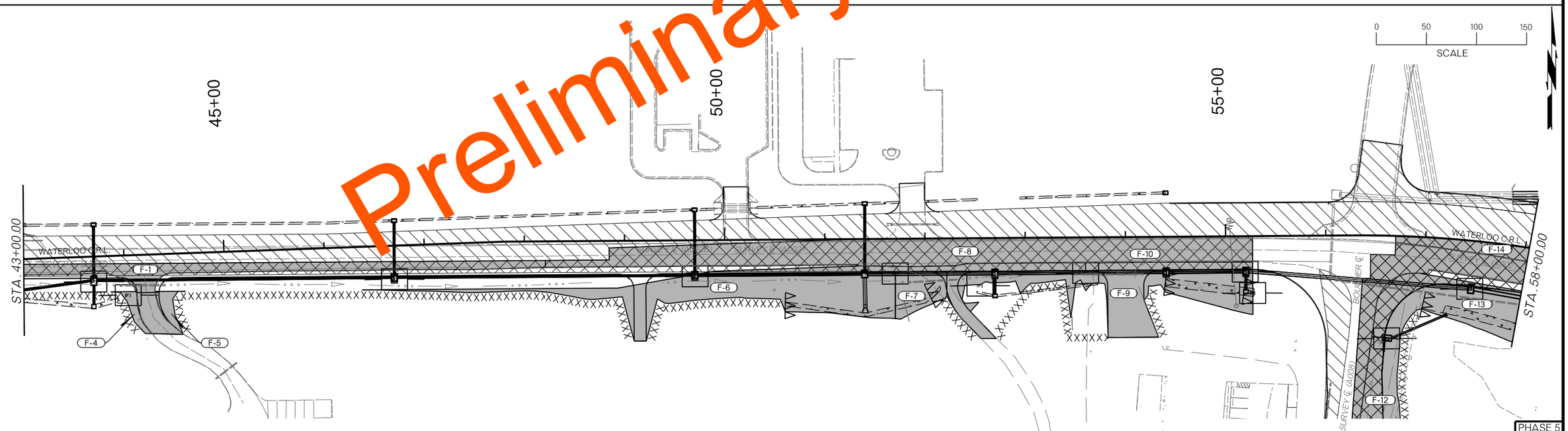
FINAL FIELD MEETING

3/28/2025

LEGEND

- DISTURBED AREA
- UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- XXXXXX SILT FENCE
- SILT DIKE
- O-# OUTFALL ID #
- X-# DISTURBED AREA ID #
- #P3 SEDIMENT FILTER
- RFD # ROCK FILTER DAM





Preliminary Plans

PHASE 5

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
(SHEET 31 OF 38)

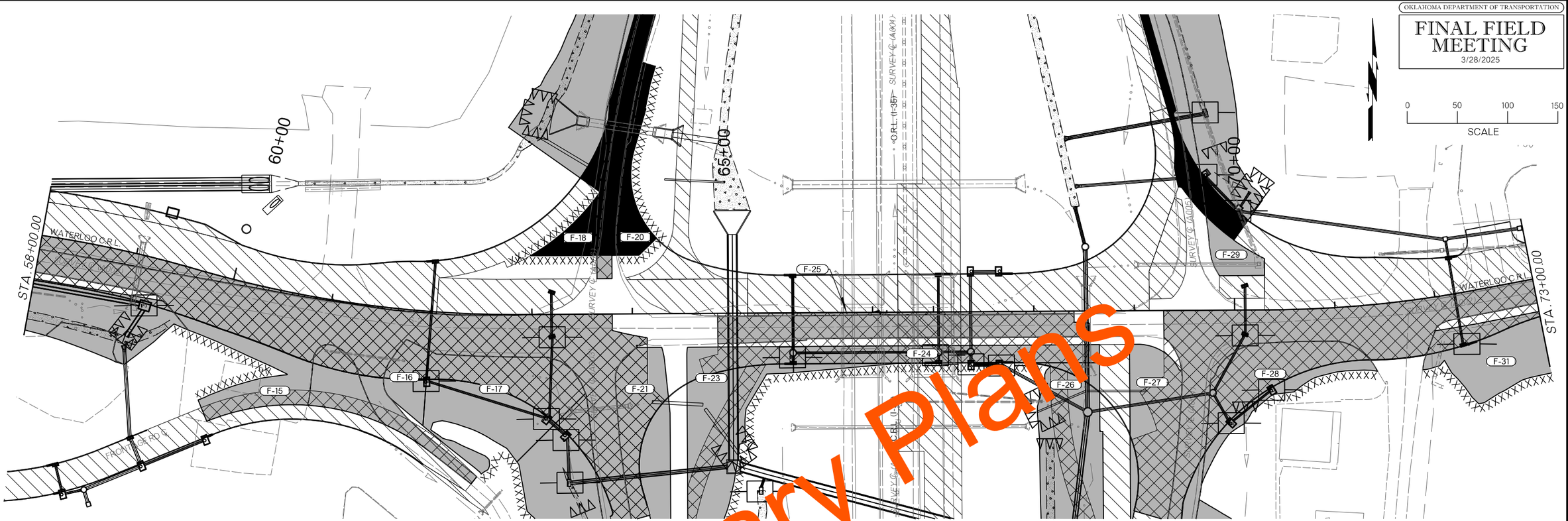
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO R086

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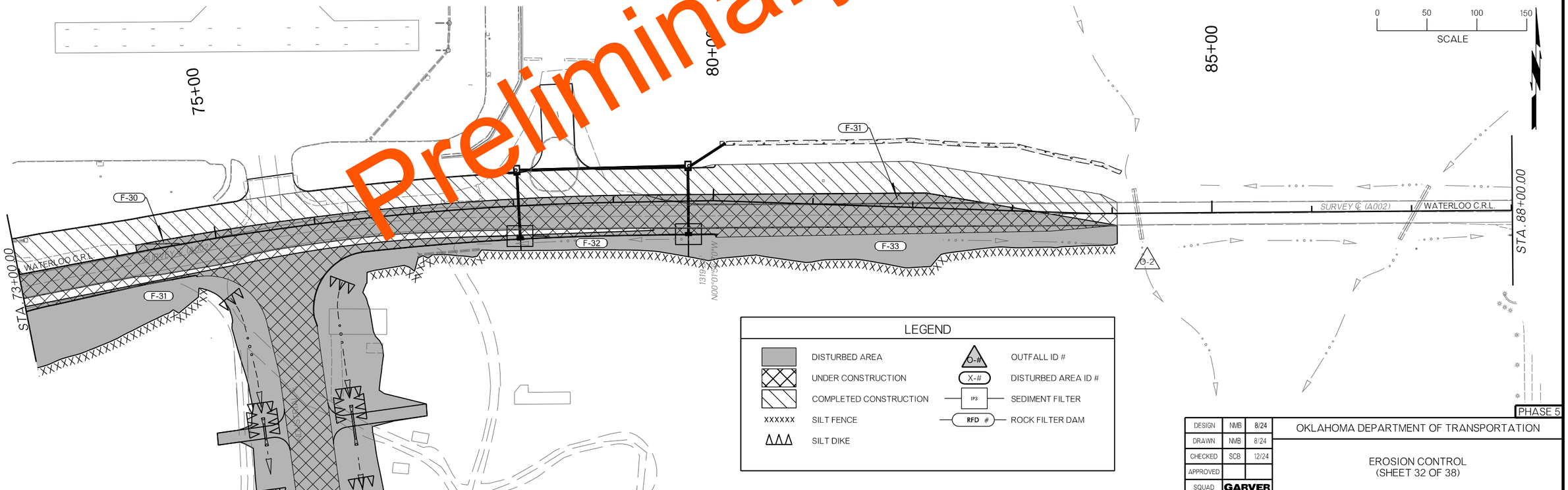
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025



Preliminary Plans



LEGEND

DISTURBED AREA	O-# OUTFALL ID #
UNDER CONSTRUCTION	X-# DISTURBED AREA ID #
COMPLETED CONSTRUCTION	SEDIMENT FILTER
XXXXXX SILT FENCE	RFD # ROCK FILTER DAM
SILT DIKE	

PHASE 5

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
(SHEET 32 OF 38)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO R087

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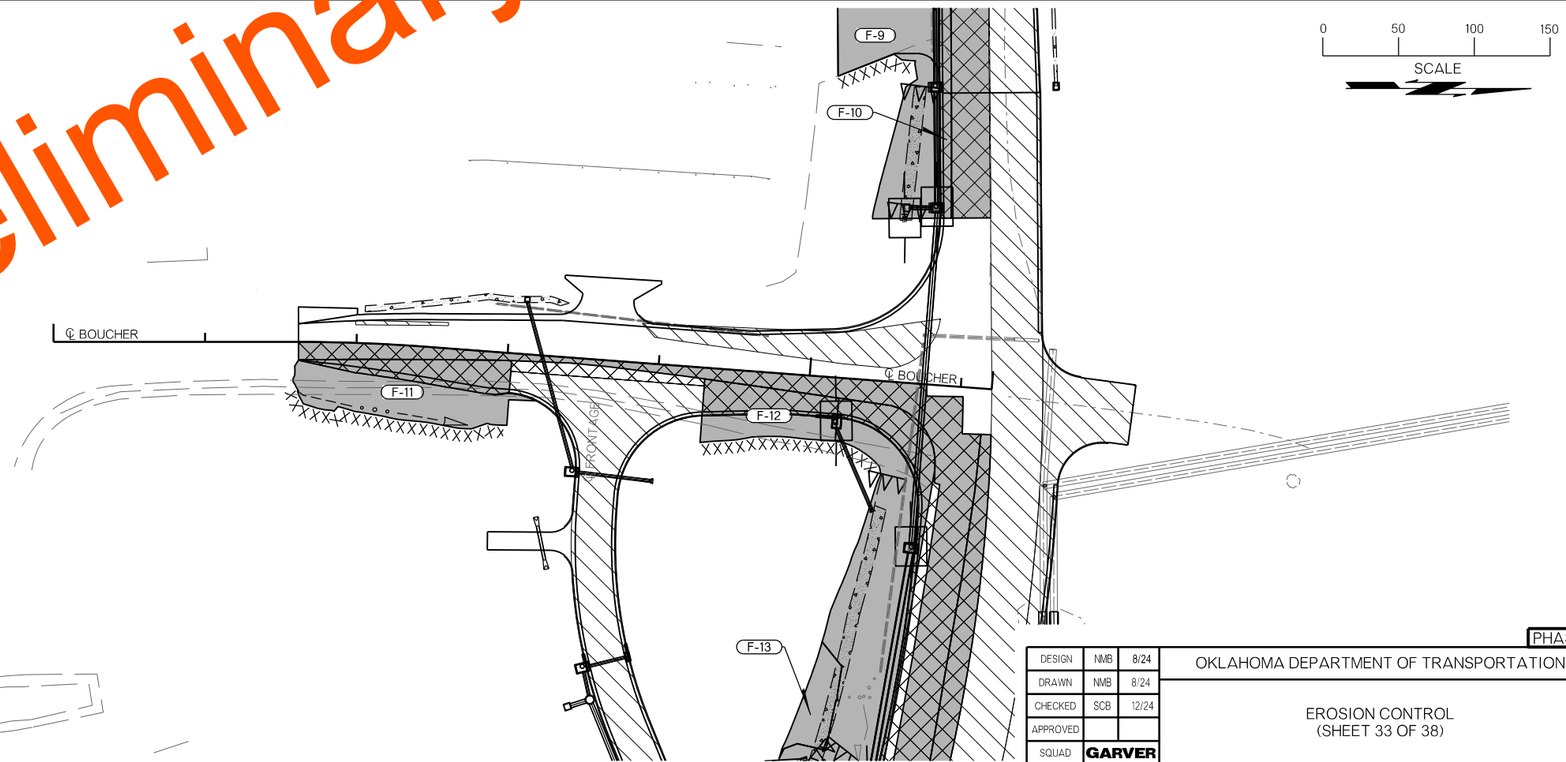
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025

Preliminary Plans

LEGEND

	DISTURBED AREA	O-#	OUTFALL ID #
	UNDER CONSTRUCTION	X-#	DISTURBED AREA ID #
	COMPLETED CONSTRUCTION	IP3	SEDIMENT FILTER
XXXXXX	SILT FENCE	RFD #	ROCK FILTER DAM
	SILT DIKE		



PHASE 5

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
(SHEET 33 OF 38)

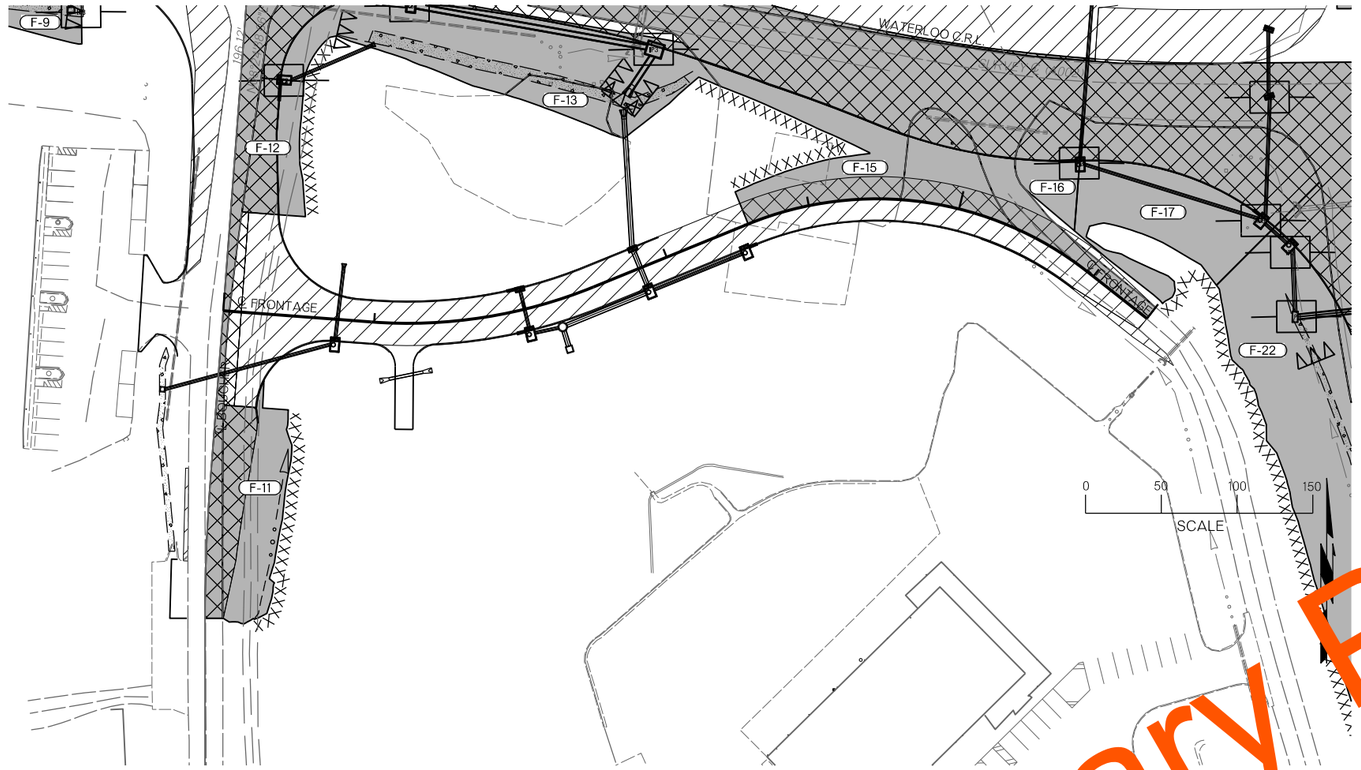
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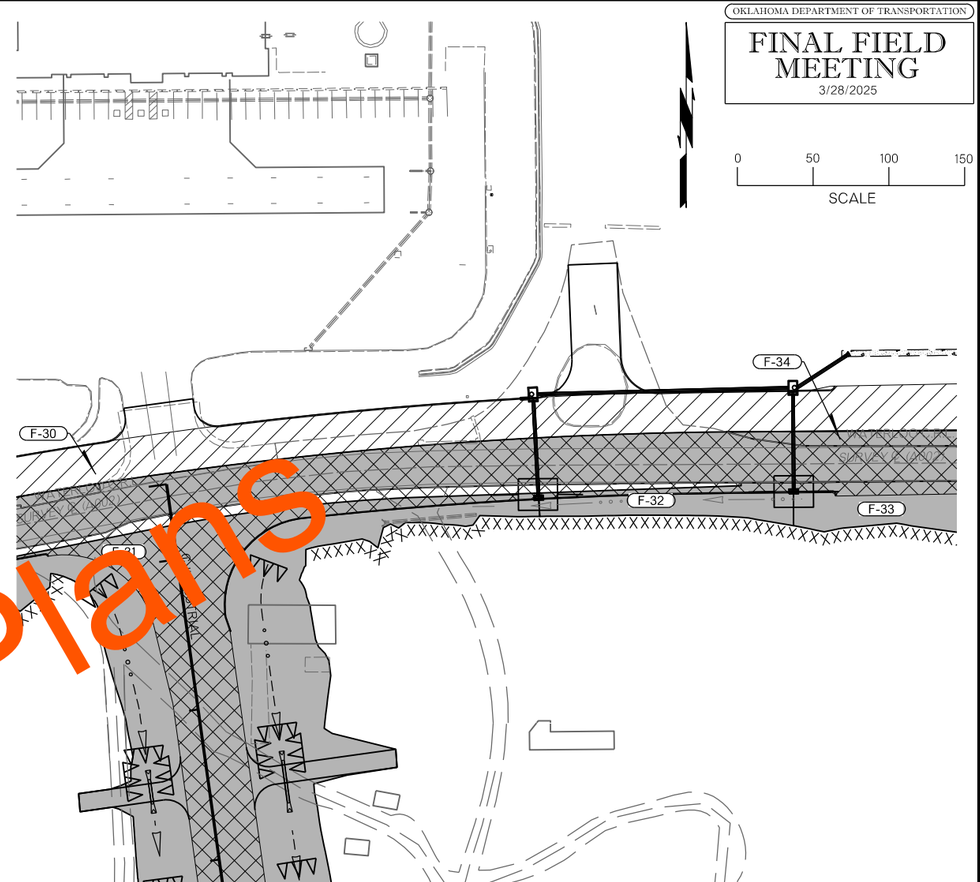
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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

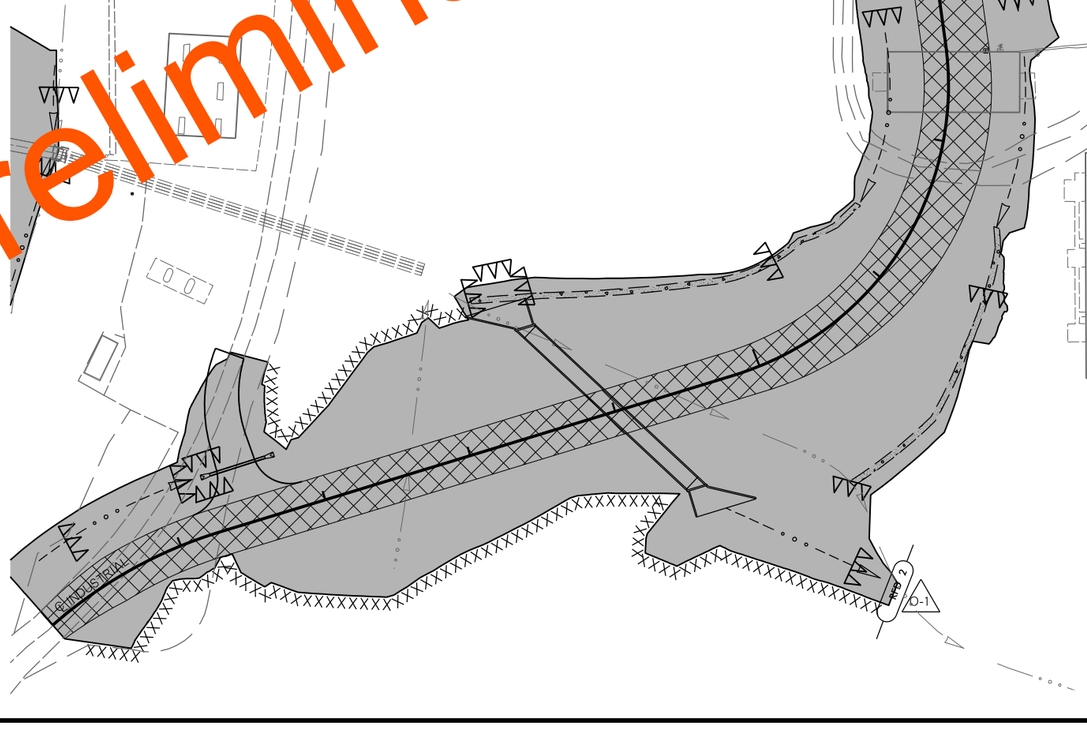
3/28/2025





LEGEND

- DISTURBED AREA
- UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- XXXXXX SILT FENCE
- SILT DIKE
- O-# OUTFALL ID #
- X-# DISTURBED AREA ID #
- IP3 SEDIMENT FILTER
- RFD # ROCK FILTER DAM



Preliminary Plans

PHASE 5

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
(SHEET 34 OF 38)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R089

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 50 100 150

SCALE

60+00

65+00

70+00

STA. 58+00.00

STA. 73+00.00

WATERLOO C.R.L.

SURVEY ℄ (A002)

I-35 C.R.L.

SURVEY ℄ (A004)

FRONTAGE RD ℄

G-2

G-4

G-5

Preliminary Plans

75+00

80+00

85+00

STA. 88+00.00

I319.34'
N00°01'56.70"W

O-2

INDUSTRIAL BLVD

LEGEND

DISTURBED AREA	OUTFALL ID #
UNDER CONSTRUCTION	DISTURBED AREA ID #
COMPLETED CONSTRUCTION	SEDIMENT FILTER
SILT FENCE	ROCK FILTER DAM
SILT DIKE	

PHASE 6

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
(SHEET 35 OF 38)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO R090

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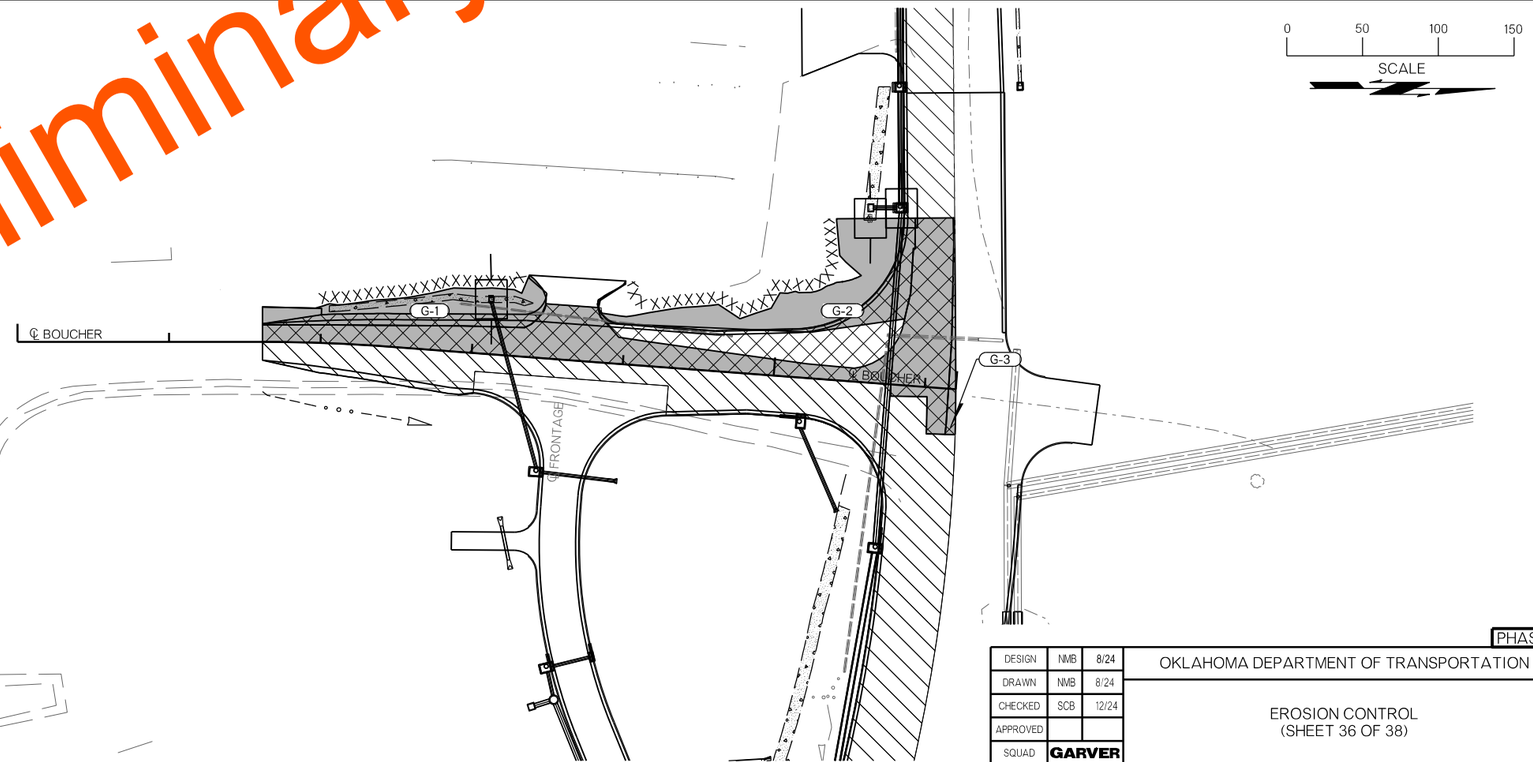
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025

Preliminary Plans

LEGEND

- DISTURBED AREA
- UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- XXXXXX SILT FENCE
- SILT DIKE
- O-# OUTFALL ID #
- X-# DISTURBED AREA ID #
- SEDIMENT FILTER
- RFD # ROCK FILTER DAM



PHASE 6

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
(SHEET 36 OF 38)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO R091

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 50 100 150

SCALE

LEGEND

- DISTURBED AREA
- UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- XXXXXX SILT FENCE
- SILT DIKE
- O-# OUTFALL ID #
- X-# DISTURBED AREA ID #
- #3 SEDIMENT FILTER
- RFD # ROCK FILTER DAM

Preliminary Plans

STA. 131+44.00

STA. 131+92

STA. 132+12.00

STA. 135+00

STA. 140+00

STA. 145+00

STA. 146+80

STA. 147+12.00

STA. 147+31

℄ RAMP A

℄ RAMP B

℄ RAMP D

℄ RAMP L

SURVEY ℄ (A003)

SURVEY ℄ (A004)

SURVEY ℄ (A005)

SURVEY ℄ (A006)

SURVEY ℄ (A001)

C.R.L. I-35

℄ FRONTAGE

℄ INDUSTRIAL

H-1

H-2

H-3

H-4

S 0

2619.54'
N89°34'24.64"E

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

PHASE 7

OKLAHOMA DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
(SHEET 37 OF 38)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R092

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 50 100 150

SCALE

LEGEND

- DISTURBED AREA
- UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- XXXXXX SILT FENCE
- SILT DIKE
- O-# OUTFALL ID #
- X-# DISTURBED AREA ID #
- #3 SEDIMENT FILTER
- RFD # ROCK FILTER DAM

Preliminary Plans

STA. 131+44.00

STA. 131+92

STA. 132+12.00

135+00

140+00

145+00

STA. 146+80

STA. 147+12.00

STA. 147+31

SURVEY ℄ (A003)

SURVEY ℄ (A004)

SURVEY ℄ (A005)

SURVEY ℄ (A006)

SURVEY ℄ (A007)

SURVEY ℄ (A008)

℄ RAMP A

℄ RAMP B

℄ RAMP C

℄ RAMP D

℄ RAMP E

℄ RAMP F

℄ RAMP G

℄ RAMP H

CR L-35

N89°34'41.94"E 2694.15'

INDUSTRIAL

EXISTING WALL

L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_ERC_PH8_003.dgn

3/28/2025 9:22:27 AM

PHASE 8

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
(SHEET 38 OF 38)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R093

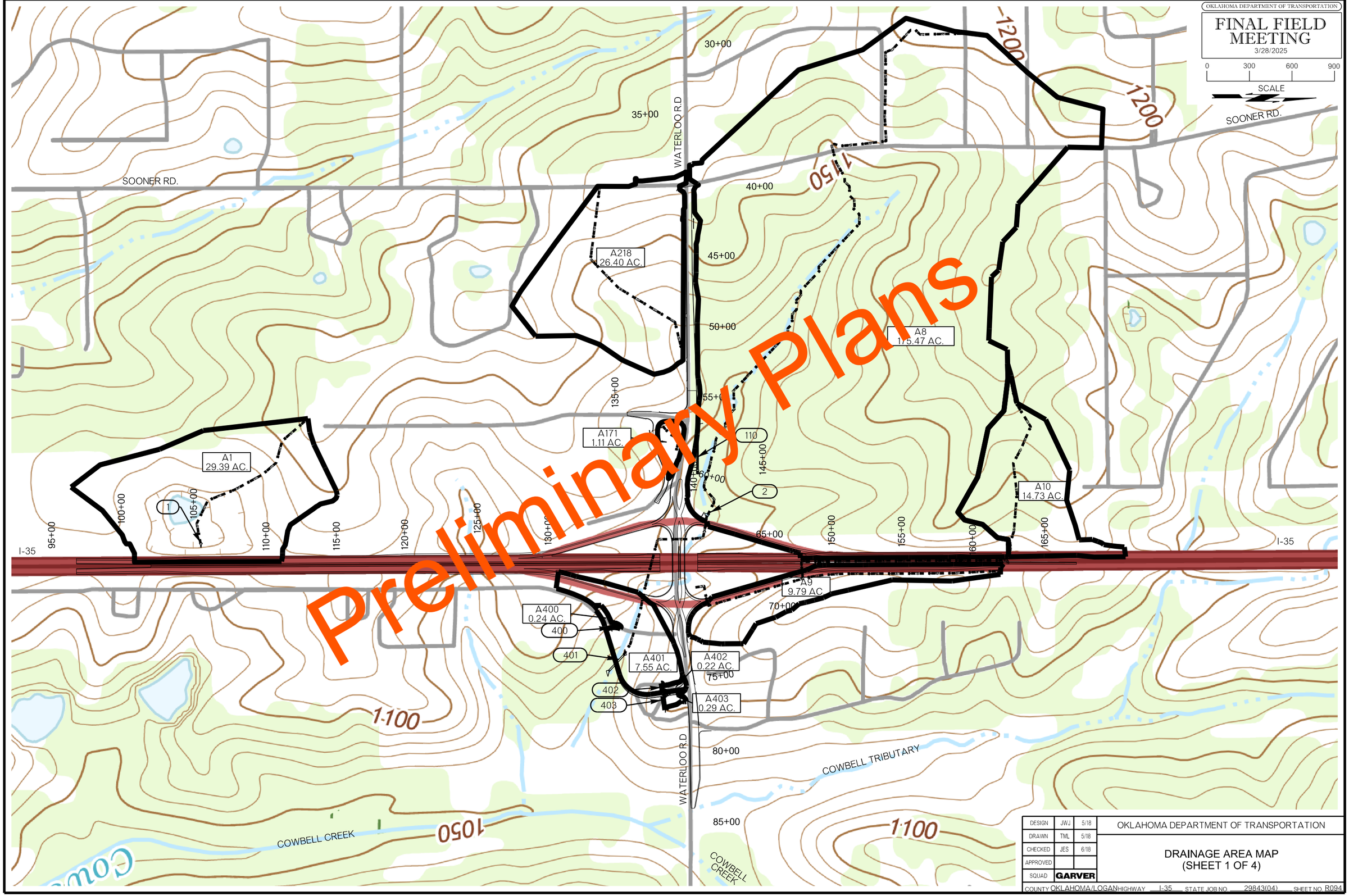
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 300 600 900

SCALE



DESIGN	JWJ	5/18
DRAWN	TML	5/18
CHECKED	JES	6/18
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

DRAINAGE AREA MAP
(SHEET 1 OF 4)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R094

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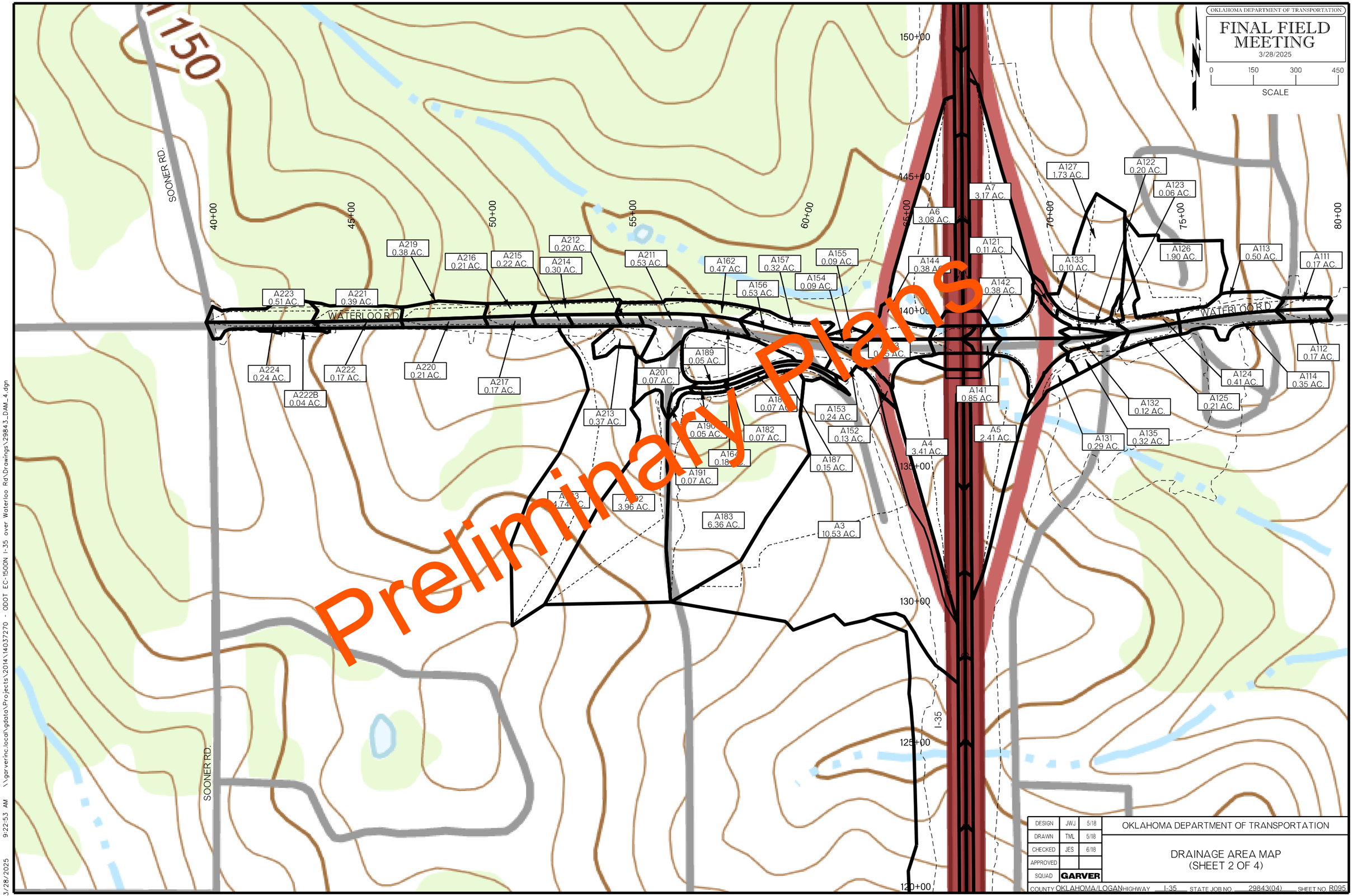
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 150 300 450

SCALE



Preliminary Plans

DESIGN	JWJ	5/18
DRAWN	TML	5/18
CHECKED	JES	6/18
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

DRAINAGE AREA MAP
(SHEET 2 OF 4)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R095

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 100 200 300

SCALE

105+00 110+00 115+00 120+00 125+00 130+00 135+00

A003
10.53 AC.

A3
10.53 AC.

A259B
0.28 AC.

A258B
0.17 AC.

A257B
0.17 AC.

A256B
0.17 AC.

A255B
0.17 AC.

A254B
0.17 AC.

A253B
0.17 AC.

A252B
0.17 AC.

A250B
0.18 AC.

A251B
0.19 AC.

A4
3.41 AC.

I-35

I-35

A259A
0.28 AC.

A258A
0.17 AC.

A257A
0.17 AC.

A256A
0.17 AC.

A255A
0.17 AC.

A254A
0.17 AC.

A253A
0.18 AC.

A252A
0.17 AC.

A250A
0.18 AC.

A251A
0.19 AC.

A5
2.41 AC.

Preliminary Plans

DESIGN	JWJ	5/18
DRAWN	TML	5/18
CHECKED	JES	6/18
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

DRAINAGE AREA MAP
(SHEET 3 OF 4)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R096

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 100 200 300

SCALE

60+00

65+00

70+00

75+00

140+00

145+00

150+00

155+00

160+00

165+00

I-35

I-35

A251B 0.19 AC.

A248B 0.13 AC.

A247B 0.17 AC.

A240B 0.18 AC.

A241B 0.17 AC.

A244B 0.12 AC.

A245B 0.13 AC.

A251A 0.19 AC.

A248A 0.13 AC.

A247A 0.17 AC.

A240A 0.18 AC.

A242A 0.17 AC.

A243A 0.17 AC.

A244A 0.12 AC.

A245A 0.13 AC.

WATERLOO RD.

Preliminary Plans

Preliminary

DESIGN	JWJ	5/18
DRAWN	TML	5/18
CHECKED	JES	6/18
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

DRAINAGE AREA MAP
(SHEET 4 OF 4)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R097

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025

DRAINAGE STRUCTURE DESIGN RECORD

STR. NO.	ALIGNMENT	STATION	DESCRIPTION			CONTRIBUTING DRAINAGE AREA ID's	DRAINAGE AREA	DRAINAGE AREA LENGTH		DRAINAGE AREA AVERAGE SLOPE		ANTICIPATED LAND USE	"C" RUNOFF COEFFICIENT	Tc TIME OF CONCENTRATION	INTENSITY OF DESIGN YEAR RAINFALL AND CHECK YEAR RAINFALL						DESIGN YEAR DISCHARGE AND CHECK YEAR DISCHARGE						INLET	TOP OF GRATE	F.L. INLET	F.L. OUTLET	ALLOWABLE HEADWATER	COMPUTED HEADWATER	DESIGN TAILWATER	STRUCTURE SLOPE	OUTLET VELOCITY	OUTLET TREATMENT
							Acre	Overland	Channel	Overland	Channel				Inches Per Hour						Cubic Feet Per Second														
								L.F.	L.F.	%	%			Min.	I2	I5	I10	I25	I50	I100	Q2	Q5	Q10	Q25	Q50	Q100	TYPE	Elevation	Elevation		Elevation		FT	%	Ft./Sec.	
1	I-35	105+53.47	CROSS DRAIN	4' X 3'	RCB	A1	29.39	1291.80	0.00	5.14%	-	Rural	0.40	26.67	2.67	3.48	3.99	4.68	**5.36**	5.87	31.[illegible]	[illegible]08	[illegible]7.07	60.79	**75.98**	86.61	-	-	1096.77	1096.43	1121.02	1100.35	0.90	2.19%	21.13	Rip Rap
2	RAMP C	140+82.62	CROSS DRAIN	8'x6'	RCB	A8, A162, A164, A171, A181, A182, A183, A187, A189, A190, A191, A192, A201, A211, A212, A213, A214, A215, A216, A217, A218, A219, A220, A221, A222, A222B, A223, A224, A233	182.00	650.44	4150.48	1.54%	2.60%	Rural	0.32	33.73	2.33	3.04	3.50	11	**[illegible]**	5.1[illegible]	139.95	177.92	204.52	264.10	**331.97**	378.43	-	-	1087.14	1086.95	1098.95	1094.74	4.43	0.19%	11.93	Rip Rap
109	WATERLOO	42+69.75	SIDE DRAIN	18"	RCP	A110	0.51	70.04	180.02	0.84%	7.62%	Rural	0.35	13.89	3.75	4.81	5.45	**6.40**	7.19	7.87	0.67	0.87	0.98	**1.27**	1.55	1.77	CDI-DES. 1	1129.55	1156.70	1154.98	1158.00	1157.42	0.42	2.73%	6.08	Rip Rap
110	WATERLOO	58+86.30	SIDE DRAIN	60"	RCP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OPEN TO 164	WATERLOO	59+09.00	OPEN PIPE	36"	RCP	A171, A181, A182, A183, A187, A189, A190, A191, A192, A201	11.96	843.01	1502.35	0.74%	1.67%	Rural	0.34	28.93	[illegible]2	[illegible]2	3.98	**4.61**	5.24	5.82	11.38	14.09	16.05	**20.46**	25.37	29.36	-	-	1101.08	-	-	-	-	3.32%	-	-
OPEN TO 217	WATERLOO	51+40.00	OPEN PIPE	36"	RCP	A218	26.06	496.28	939.36	4.84%	3.53%	Rural	0.3[illegible]	23.[illegible]	2.[illegible]5	3.70	[illegible].23	**4.97**	5.68	6.21	29.54	38.36	43.88	**51.52**	58.85	64.40	-	-	1112.81	-	-	-	-	1.00%	-	-
400	INDUSTRIAL BLVD	11+50.00	SIDE DRAIN	18"	RCP	A400	0.25	38.83	121.09	10.07%	0.39%	Rural	0.[illegible]0	[illegible].00	4.3[illegible]	5.49	[illegible].19	**7.27**	8.07	8.83	0.53	0.68	0.76	**0.99**	1.20	1.36	-	-	1097.29	1095.57	1098.65	1097.82	0.23	3.74%	5.94	N/A
401	INDUSTRIAL BLVD	14+00.00	CROSS DRAIN	10'X4'	RCB	A3, A4, A5, A6, A7, A8, A9, A400, A401, A402, A121, A122, A123, A124, A125, A126, A127, A131, A132, A133, A135, AF141L, A141, AF141R, AF142L, A142, AF142R, A143, A144, A152, A153, A154, A155, A156, A157, A162, A164, A171, A181, A182, A183, A187, A189, A190, A191, A192, A201, A211, A212, A213, A214, A215, A216, A217, A218, A219, A220, A221, A222, A222B, A223, A224, A233, A240A, A240B, A241A, A241B, A242A, A242B, A243A, A243B, A244A, A244B, A245A, A245B, A247A, A247B, A248A, A248B, A250A, A250B, A251A, A251B, A252A, A252B, A253A, A253B, A254A, A254B, A255A, A[illegible] A256A, A256B, A257A, A257B, A258A, A258B, A259A, A259B	240.[illegible]	650[illegible]	5397.[illegible]	1.54%	2.2[illegible]	Rural	0.39	39.70	2.10	2.76	3.18	**3.73**	4.31	4.72	195.83	257.16	296.19	**382.48**	482.33	549.83	-	-	1071.58	1070.01	1086.71	1079.07	2.87	1.01%	15.10	E-Diss
402	INDUSTRIAL BLVD	18+50.00	SIDE DRAIN	18"	RCP	[illegible]	[illegible]22	84.64	71.48	6.64%	2.60%	Rural	0.55	10.00	4.31	5.49	6.19	**7.27**	8.07	8.83	0.52	0.67	0.75	**0.97**	1.18	1.34	-	-	1095.00	1093.93	1096.58	1095.52	0.21	4.46%	6.29	Rip Rap
403	INDUSTRIAL BLVD	18+50.00	SIDE DRAIN	18"	RCP	A403	[illegible].30	101.88	609.18	8.47%	0.65%	Rural	0.48	15.15	3.60	4.63	5.25	**6.17**	6.95	7.60	0.52	0.67	0.76	**0.98**	1.20	1.37	-	-	1094.77	1093.08	1096.95	1095.30	0.21	4.71%	6.42	Rip Rap
500	FRONTAGE RD	11+19.86	SIDE DRAIN	18"	RCP	A500	2.42	614.33	237.76	4.05%	3.70%	Rural	0.49	12.44	3.94	5.04	5.70	**6.69**	7.49	8.20	4.66	5.95	6.74	**8.70**	10.62	12.11	-	-	1111.11	1111.01	1113.25	1112.99	1.14	0.32%	6.03	Rip Rap
T100	I-35	146+84.00	CROSS DRAIN	18"	RCP	AT[illegible]	0.66	77.00	1182.00	1.40%	0.57%	Rural	0.39	25.63	**2.73**	3.56	4.07	4.78	5.47	5.99	**0.69**	0.90	1.03	1.33	1.67	1.90	TYPE II SMD	1109.39	1106.83	1104.00	1109.50	1107.27	0.26	1.06%	3.42	N/A
T101	I-35	162+61.13	CROSS DRAIN	36"	RCP	T101	15.06	1415.00	0.00	4.75%	-	Rural	0.39	28.02	**2.60**	3.39	3.88	4.56	5.23	5.72	**15.19**	19.80	22.71	29.32	36.70	41.83	-	-	1111.94	1111.89	1117.26	1113.74	1.23	0.42%	5.56	N/A
T102	I-35	121+13.86	CROSS DRAIN	18"	RCP	T102	1.46	100.00	1552.00	1.49%	0.30%	Rural	0.42	38.52	**2.14**	2.81	3.24	3.80	4.39	4.80	**1.32**	1.73	1.99	2.57	3.24	3.70	-	-	1114.12	1110.08	1120.21	1114.74	0.19	12.62%	9.93	N/A
T103	I-35	97+14.00	CROSS DRAIN	60"	RCP	A[illegible]03	4.51	500.00	0.00	5.60%	-	Rural	0.39	18.45	**3.27**	4.22	4.80	5.64	6.39	7.00	**5.78**	7.46	8.51	10.98	13.58	15.48	-	-	1112.52	1111.70	1121.50	1113.45	0.43	2.56%	7.09	N/A
T201	SF Ramp A-1	53+13.76	CROSS DRAIN	36"	RCP	AT201	12.61	930.00	870.00	3.73%	1.54%	Rural	0.51	25.22	**2.76**	3.59	4.11	4.82	5.52	6.04	**17.74**	23.07	26.41	34.10	42.57	48.52	-	-	1096.87	1094.73	1099.37	1098.84	0.79	4.28%	11.91	N/A
T404	SFLY RAMP C-1	51+77.00	CROSS DRAIN	60"	RCP	AT404	182.61	1215.00	3220.00	4.53%	1.95%	Rural	0.27	55.40	**1.69**	2.24	2.59	3.03	3.53	3.86	**82.04**	108.43	125.34	161.85	205.12	233.83	-	-	1086.98	1086.78	1099.45	1090.76	2.47	0.42%	8.48	N/A
T405	SFLY RAMP C-1	51+33.17	CROSS DRAIN	18"	RCP	AT405	0.49	65.00	185.00	2.00%	4.21%	Rural	0.55	10.00	**4.31**	5.49	6.19	7.27	8.07	8.83	**1.17**	1.48	1.67	2.16	2.62	2.98	-	-	1096.70	1088.79	1097.96	1097.28	0.18	13.18%	9.72	N/A
T406	SFLY RAMP B-1	53+05.00	CROSS DRAIN	18"	RCP	AT406	0.49	65.00	185.00	2.00%	4.21%	Rural	0.55	10.00	**4.31**	5.49	6.19	7.27	8.07	8.83	**1.16**	1.48	1.67	2.16	2.61	2.98	-	-	1090.00	1089.80	1093.50	1090.77	0.40	0.34%	3.03	N/A
T501	SFLY RAMP A-3	72+06.00	CROSS DRAIN	18"	RCP	AT501	0.16	100.00	0.00	4.80%	-	Rural	0.69	10.00	**4.31**	5.49	6.19	7.27	8.07	8.83	**0.49**	0.62	0.70	0.90	1.09	1.24	-	-	1094.83	1094.64	1095.50	1095.13	0.26	0.34%	2.40	N/A
T502	SFLY RAMP B-2	63+19.50	CROSS DRAIN	18"	RCP	AT502	0.25	85.00	125.00	2.94%	5.70%	Rural	0.72	10.00	**4.31**	5.49	6.19	7.27	8.07	8.83	**0.78**	0.99	1.12	1.45	1.75	2.00	-	-	1089.80	1089.70	1092.30	1090.29	0.33	0.19%	2.72	N/A

Preliminary Plans

DESIGN	JWJ	5/18	OKLAHOMA DEPARTMENT OF TRANSPORTATION
DRAWN	TML	5/18	
CHECKED	JES	6/18	DRAINAGE DESIGN RECORD (SHEET 1 OF 3)
APPROVED			
SQUAD	GARVER		

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO R098

3/28/2025 9:23:08 AM \\garverinc.local\gdata\Projects\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_DDR_001.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025

STORM SEWER DESIGN RECORD

STR. NO.	P&P SHEET NO.	ALIGNMENT	STATION AND OFFSET			DESCRIPTION	EXITING PIPE FLOWLINE IN	EXITING PIPE FLOWLINE OUT	DESIGN	DRAINAGE AREA		DESIGN YEAR INTENSITY		DESIGN YEAR LOCAL DISCHARGE		CAPTURE "Q"	TOTAL "Q" IN STRUCTURE	BYPASS "Q"	BYPASS TO	SPREAD	HYDRAULIC GRADELINE	ENERGY GRADELINE	ELEV. TOP MANHOLE OR GRATE OR GPI
							FT	FT		NO.	ACRE	IN/HR		CFS		CFS.	CFS.	CFS.	STR.	FT	FT	FT	FT
												I_{10}	I_{50}	Q_{10}	Q_{50}								
MH004		I-35	124+60.00	160.70'	LT.	14'X4' JCT. BOX W/ 41 L.F. 5X4 FT. RCB STUB INTO STR. EX-RCB	1,094.20	1,093.38	MJB-4, SPI-5, MFC-5	-	-	-	-	-	-	-	147.0	-	-	-	1104.16	1105.00	1104.87
004		I-35	124+85.89	144.69'	LT.	GPI TYPE II W/ 13 L.F. 18 IN. RCP STUB INTO STR. P8	1,095.91	1,093.76	GPI-5, SPI-5	003	10.53	-	8.07	-	40.00	40.0	40.0	0.0	-	N/A	1098.46	1106.24	1099.56
006		I-35	136+90.00	149.21'	RT.	8'X8' SPEC. INLET W/ 55 L.F. 8X6 FT. RCB STUB INTO STR. EX-RCB	1,078.13	1,076.90	CDIP-2, SPI-5	A5	2.41	-	8.07	-	10.67	10.7	448.0	0.0	-	N/A	1085.78	1087.13	1087.60
007		I-35	137+50.00	137.31'	LT.	GPI TYPE II W/ 14 L.F. 18 IN. RCP STUB INTO STR. P24	1,084.76	1,084.62	GPI-5, SPI-5	A4	3.41	-	8.07	-	16.49	16.5	16.5	0.0	-	N/A	1086.34	1086.70	1092.40
008		Turnout E-S (Ramp A)	02+99.79	32.81'	RT.	GPI TYPE II W/ 163 L.F. 36 IN. RCP STUB INTO STR. MH149	1,092.89	1,088.22	GPI-5, SPI-5	A3	11.54	-	8.07	-	78.42	78.4	78.4	0.0	-	N/A	1094.64	1099.10	1098.13
008B		Turnout W-N (Ramp D)	03+55.27	35.20'	RT.	GPI TYPE II W/ 141 L.F. 30 IN. RCP TO OUTFALL -	1,088.90	1,088.12	GPI-5, SPI-5	A9	9.80	-	8.07	-	50.20	50.2	50.2	0.0	-	N/A	1091.02	1091.78	1092.55
111		Waterloo CRL	79+75.00	33.00'	LT.	CI-DGN2 W/ SM JCB W/ 42 L.F. 18 IN. RCP TO OUTFALL -	1,078.38	1,078.18	CI-2, SPI-5, SSIF-5, CIG-4, MFC-5	A111	0.17	6.19	-	0.90	-	1.1	1.4	0.3	OFFSITE	5.20	1079.7	1080.04	1082.59
112		Waterloo CRL	79+75.00	33.00'	RT.	CICI-DGN2 W/ 63 L.F. 18 IN. RCP STUB INTO STR. 111	1,078.81	1,078.49	CI-2, SPI-5, SSIF-5, CIG-4	A112	0.17	6.19	-	0.84	-	1.1	1.4	0.3	OFFSITE	5.23	1080.19	1080.35	1082.59
113		Waterloo CRL	78+05.00	33.00'	LT.	CI-DGN2(B) W/ SM JCB W/ 166 L.F. 18 IN. RCP STUB INTO STR. 111	1,086.82	1,078.49	CI-2, SPI-5, SSIF-5, CIG-4, MFC-5	A113	0.50	6.19	-	2.08	-	1.6	2.1	0.5	111	6.11	1087.19	1088.52	1092.79
114		Waterloo CRL	78+05.00	33.00'	RT.	CICI-DGN2 W/ 63 L.F. 18 IN. RCP STUB INTO STR. 113	1,087.53	1,086.90	CI-2, SPI-5, SSIF-5, CIG-4	A114	0.35	6.19	-	1.85	-	1.3	1.9	0.5	112	5.85	1087.91	1088.18	1092.79
121		Turnout W-N (Ramp D)	02+95.00	04.00'	RT.	CI-DGN2 W/ SM JCB W/ 126 L.F. 24 IN. RCP TO OUTFALL -	1,090.16	1,086.83	CI-2, SPI-5, SSIF-5, CIG-4, MFC-5	A121	0.11	-	8.07	-	0.76	3.0	0.8	0.0	-	9.53	1091.36	1093.82	1094.83
122		Turnout W-N (Ramp D)	02+45.00	04.00'	RT.	CI-DGN2(D) W/ SM JCB W/ 46 L.F. 24 IN. RCP STUB INTO STR. 121	1,091.11	1,090.26	CI-2, SPI-5, SSIF-5, CIG-4, MFC-5	A122	0.20	6.19	-	0.95	-	1.4	1.4	0.1	121	6.26	1092.43	1094.24	1095.33
123		Waterloo CRL	72+20.00	55.32'	LT.	SMD-TYPE 2B GRATE W/ 206 L.F. 24 IN. RCP STUB INTO STR. 122	1,095.82	1,091.12	PSMD-2, SPI-5	A123	0.06	-	8.07	-	0.16	0.2	16.0	0.0	-	N/A	1097.51	1097.76	1100.14
124		Waterloo CRL	72+20.00	36.68'	LT.	CICI-DGN2(B) W/ 16 L.F. 18 IN. RCP STUB INTO STR. 123	1,096.50	1,096.42	CI-2, SPI-5, SSIF-5, CIG-4	A124	0.41	6.19	-	2.12	-	1.6	2.1	0.5	122	7.49	1097.63	1097.88	1101.09
125		Waterloo CRL	72+20.00	52.05'	RT.	CICI-DGN2(D) W/ 86 L.F. 18 IN. RCP STUB INTO STR. 124	1,097.11	1,096.60	CI-2, SPI-5, SSIF-5, CIG-4	A125	0.21	6.19	-	1.01	-	1.0	1.0	0.0	135	5.69	1097.52	1097.69	1100.78
126		Waterloo CRL	72+95.77	52.19'	LT.	SMD-TYPE 2B GRATE W/ 71 L.F. 24 IN. RCP STUB INTO STR. 123	1,097.77	1,095.92	PSMD-2, SPI-5	A126	1.91	-	8.07	-	12.90	12.9	12.9	0.0	-	N/A	1098.60	1100.37	1101.95
MH129		Turnout E-N (Ramp D)	142+98.00	17.25'	LT.	6' ID MH W/ 158 L.F. 36 IN. RCP STUB INTO STR. MH130	1,080.33	1,078.61	PRM-1, SPI-5, MFC-5	-	-	-	-	-	-	-	52.0	-	-	-	1084.80	1085.64	1093.12
MH130		Turnout N-W (Ramp B)	02+29.11	26.82'	LT.	8' ID MH W/ 139 L.F. 48 IN. RCP STUB INTO STR. P22	1,078.41	1,077.48	PRM-1, SPI-5, MFC-5	-	-	-	-	-	-	-	65.0	-	-	-	1083.88	1084.31	1092.78
131		Turnout N-E (Ramp B)	01+96.00	04.00'	RT.	CI-DGN2 W/ SM JCB W/ 28 L.F. 18 IN. RCP STUB INTO STR. MH134	1,090.48	1,089.54	CI-2, SPI-5, SSIF-5, CIG-4, MFC-5	A131	0.29	-	8.07	-	[illegible]	4.6	1.6	0.0	-	12.65	1090.86	1091.92	1096.42
132		Waterloo CRL	70+10.00	24.55'	RT.	CICI-DGN2 W/ 62 L.F. 18 IN. RCP STUB INTO STR. MH134	1,090.79	1,089.54	CI-2, SPI-5, SSIF-5, CIG-4	A132	0.12	6.19	-	0.67	-	[illegible]	0.7	0.0	F141R	4.86	1091.08	1091.56	1096.92
133		Waterloo CRL	70+10.00	24.55'	LT.	CICI-DGN2 W/ 46 L.F. 18 IN. RCP STUB INTO STR. 132	1,091.82	1,090.89	CI-2, SPI-5, SSIF-5, CIG-4	A133	0.10	6.19	-	0.64	-	[illegible]	0.6	0.0	F142R	4.52	1092.03	1092.30	1096.92
MH134		Turnout N-E (Ramp B)	02+04.01	27.04'	LT.	6' ID MH W/ 119 L.F. 24 IN. RCP STUB INTO STR. MH130	1,089.04	1,080.38	PRM-1, SPI-5, MFC-5	-	-	-	-	-	-	-	4.0	-	-	-	1089.38	1091.51	1097.20
135		Turnout N-E (Ramp B)	02+50.00	04.00'	RT.	CI-DGN2 W/ SM JCB W/ 47 L.F. 18 IN. RCP STUB INTO STR. 131	1,084.55	1,083.60	CI-2, SPI-5, SSIF-5, CIG-4, MFC-5	A135	0.32	6.19	-	1.13	-	1.1	1.1	0.2	131	5.92	1091.70	1092.14	1096.95
F141L		Waterloo CRL	67+05.00	50.33'	RT.	CI-DGN2(D) W/ 6 L.F. 18 IN. RCP STUB INTO STR. MH146	1,086.23	1,085.93	CI-2, SPI-5, SSIF-5, CIG-4	AF141L	0.16	6.19	-	0.87	-	1.6	1.7	0.1	141	8.79	1086.46	1087.32	1091.85
141		Waterloo CRL	67+37.00	50.33'	RT.	CI-DGN2 W/ SM JCB W/ 23 L.F. 24 IN. RCP STUB INTO STR. F141R	1,083.55	1,083.09	CI-2, SPI-5, SSIF-5, CIG-4, MFC-5	A141	0.11	-	[illegible]07	-	[illegible]4	7.0	0.9	0.0	-	10.34	1085.17	1086.56	1091.75
F141R		Waterloo CRL	67+65.00	50.33'	RT.	CI-DGN2(D) W/ SM JCB W/ 94 L.F. 24 IN. RCP STUB INTO STR. MH130	1,082.97	1,079.70	CI-2, SPI-5, SSIF-5, CIG-4, MFC-5	AF141R	[illegible]58	6.19	-	[illegible]22	-	2.7	3.2	0.6	141	11.13	1084.71	1085.11	1091.83
F142L		Waterloo CRL	67+05.00	37.33'	LT.	CICI-DGN2(D) W/ 73 L.F. 18 IN. RCP STUB INTO STR. MH146	1,087.38	1,085.93	CI-2, SPI-5, SSIF-5, CIG-4	[illegible]	[illegible]4	6.19	-	[illegible]64	-	1.3	1.3	0.0	142	8.01	1087.65	1088.07	1092.11
142		Waterloo CRL	67+37.00	37.33'	LT.	CI-DGN2 W/ SM JCB W/ 73 L.F. 24 IN. RCP STUB INTO STR. MH147	1,085.30	1,083.82	CI-2, SPI-5, SSIF-5, CIG-4	A142	0.1[illegible]	-	[illegible]8	-	0.81	3.1	0.8	0.0	-	9.75	1085.78	1086.55	1092.01
F142R		Waterloo CRL	67+65.00	37.33'	LT.	CI-DGN2(D) W/ SM JCB W/ 23 L.F. 18 IN. RCP STUB INTO STR. 142	1,086.82	1,085.80	CI-2, SPI-5, SSIF-5, CIG-4, MFC-5	AF142	0.48	6.19	-	3.19	-	2.6	3.2	0.6	142	11.06	1087.21	1088.48	1092.09
143		Waterloo CRL	65+60.00	50.33'	RT.	CICI-DGN2(B) W/ 6 L.F. 18 IN. RCP STUB INTO STR. MH145	1,086.75	1,086.72	CI-2, SPI-5, SSIF-5, CIG-4	A143	0.55	6.19	-	2.84	-	2.0	2.8	0.9	F141L	7.57	1087.38	1087.66	1094.94
144		Waterloo CRL	65+60.00	37.33'	LT.	CICI-DGN2(B) W/ 73 L.F. 18 IN. RCP STUB INTO STR. MH145	1,087.66	1,086.72	CI-2, SPI-5, SSIF-5, CIG-4	A144	0.38	6.19	-	1.95	-	1.5	1.9	0.4	F142L	6.57	1088.07	1088.46	1095.20
MH145		Waterloo CRL	65+60.00	39.83'	RT.	6' ID MH W/ 139 L.F. 18 IN. RCP STUB INTO STR. MH146	1,086.62	1,085.93	PRM-1, SPI-5, MFC-5	-	-	-	-	-	-	-	N/A	-	-	-	1087.47	1087.82	1095.14
MH146		Waterloo CRL	67+05.00	39.83'	RT.	6' ID MH W/ 26 L.F. 18 IN. RCP STUB INTO STR. MH147	1,085.82	1,084.32	PRM-1, SPI-5, MFC-5	-	-	-	-	-	-	-	N/A	-	-	-	1086.34	1088.97	1092.06
MH147		Waterloo CRL	67+37.00	39.83'	RT.	6' ID MH W/ 6 L.F. 24 IN. RCP STUB INTO STR. 141	1,083.72	1,083.60	PRM-1, SPI-5, MFC-5	-	-	-	-	-	-	-	N/A	-	-	-	1084.54	1085.87	1091.96
MH149		Turnout W-S (Ramp A)	01+79.44	99.11'	LT.	12'X12' JCT. BOX W/ 317 L.F. 8X6 FT. RCB STUB INTO STR. 006	1,085.22	1,078.13	[illegible]1, SPI-5, [illegible]FC-5	-	-	-	-	-	-	-	N/A	-	-	-	1087.61	1095.41	1094.82
152		Turnout E-S (Ramp A)	02+56.00	04.00'	RT.	CI-DGN2 W/ SM JCB W/ 42 L.F. 24 IN. RCP STUB INTO STR. 008	1,096.35	1,093.[illegible]	CI-2, [illegible] SSIF-5, CIG-4, MFC-5	A152	0.13	-	8.07	-	1.00	3.5	1.0	0.0	-	10.57	1096.77	1099.15	1101.76
153		Turnout E-S (Ramp A)	02+30.00	04.00'	RT.	CI-DGN2(B) W/ SM JCB W/ 22 L.F. 18 IN. RCP STUB INTO STR. 152	1,097.14	1,[illegible]5	CI-2, SPI-[illegible]5, SSIF-5, CIG-4, MFC-5	A153	0.24	6.19	-	0.77	-	0.7	0.8	0.0	152	7.38	1097.90	1099.39	1101.89
154		Waterloo CRL	63+20.00	22.55'	RT.	CICI-DGN2 W/ 81 L.F. 18 IN. RCP STUB INTO STR. 153	1,[illegible]	1,09[illegible]	CI-2, SPI-5, SSIF-5, CIG-4	A154	0.09	6.19	-	0.51	-	0.5	0.5	0.0	143	4.73	1098.46	1098.71	1102.84
155		Waterloo CRL	63+20.00	22.55'	LT.	CICI-DGN2 W/ 42 L.F. 18 IN. RCP STUB INTO STR. 154	1,098.7[illegible]	1,098.[illegible]	CI-2, SPI-5, SSIF-5, CIG-4	A155	0.09	6.19	-	0.49	-	0.5	0.5	0.0	144	4.66	1099.00	1099.18	1102.84
156		Waterloo CRL	62+00.00	67.45'	RT.	CI-DGN2(D) W/ SM JCB W/ 123 L.F. 18 IN. RCP STUB INTO STR. 153	1,099.[illegible]	1,097.24	CI-2, SPI-5, SSIF-5, CIG-4, MFC-5	A156	0.53	6.19	-	2.31	-	2.0	2.3	0.3	153	8.90	1100.69	1100.84	1104.04
157		Waterloo CRL	62+00.00	50.30'	LT.	CICI-DGN2(B) W/ 115 L.F. 18 IN. RCP STUB INTO STR. [illegible]56	1,[illegible]31	[illegible]9.73	CI-2, SPI-5, SSIF-5, CIG-4	A157	0.32	6.19	-	1.52	-	1.6	2.1	0.5	OFFSITE	8.53	1101.27	1101.42	1104.38
162		Waterloo CRL	59+24.59	45.00'	LT.	CI-DGN3 W/ LRG JCB W/ 66 L.F. 48 IN. RCP STUB INTO STR. M[illegible]28	[illegible]93.63	[illegible]30	CI-2, SPI-5, SSIF-5, CIG-4, MFC-5	A162	0.47	6.19	-	2.91	-	2.4	128.0	0.5	157	9.30	1099.67	1101.31	1106.49
164		Waterloo CRL	58+50.00	45.00'	RT.	CI-DGN3 W/ LRG JCB W/ 88 L.F. 48 IN. RCP STUB INTO STR. 162	[illegible]6.14	1,095.67	CI-2, SPI-5, SSIF-5, CIG-4, MFC-5	A164	0.18	6.19	-	1.02	-	1.6	126.0	0.0	156	7.40	1102.52	1104.16	1106.50
181		Frontage Rd. CRL	12+81.26	14.00'	LT.	CICI-DGN2 W/ 91 L.F. 30 IN. RCP TO OUTFALL -	1,103.62	1,101.60	CI-2, SPI-5, SSIF-5, CIG-4	A181	0.06	-	8.07	-	0.47	2.3	0.5	0.0	-	7.99	1105.06	1107.76	1111.65
182		Frontage Rd. CRL	12+81.26	14.00'	RT.	CI-DGN2 W/ SM JCB W/ 26 L.F. 30 IN. RCP STUB INTO STR. 181	1,104.02	1,103.75	CI-2, SPI-5, SSIF-5, CIG-4, MFC-5	A182	0.07	-	8.07	-	0.48	2.4	0.5	0.0	-	8.02	1105.90	1107.32	1111.65
183		Frontage Rd. CRL	12+20.55	33.41'	RT.	SMD TYPE 2B W/ 11 L.F. 30 IN. RCP STUB INTO STR. MH184	1,105.06	1,104.62	PSMD-2, SPI-5	A183	6.36	-	5.68	-	17.37	17.4	17.4	0.0	-	N/A	1106.17	1110.76	1109.14
MH184		Frontage Rd. CRL	12+20.55	18.00'	RT.	5' ID MH W/ 57 L.F. 30 IN. RCP STUB INTO STR. 182	1,104.52	1,104.12	PRM-1, SPI-5, MFC-5	-	-	-	-	-	-	-	N/A	-	-	-	1106.53	1107.68	1112.56
187		Frontage Rd. CRL	13+50.00	14.00'	RT.	CI-DGN2(B) W/ SM JCB W/ 66 L.F. 18 IN. RCP STUB INTO STR. 182	1,105.46	1,104.12	CI-2, SPI-5, SSIF-5, CIG-4, MFC-5	A187	0.15	6.19	-	0.55	-	0.5	0.5	0.0	182	5.19	1107.32	1107.32	1112.10
189		Frontage Rd. CRL	12+00.00	14.00'	LT.	CICI-DGN2(B) W/ 29 L.F. 18 IN. RCP STUB INTO STR. 190	1,105.85	1,105.70	CI-2, SPI-5, SSIF-5, CIG-4	A189	0.05	6.19	-	0.22	-	0.2	0.2	0.0	181	3.71	1106.04	1106.12	1112.28
190		Frontage Rd. CRL	12+00.00	14.00'	RT.	CICI-DGN2(B) W/ SM JCB W/ 2[illegible] L.F. 18 IN. RCP STUB INTO STR. MH184	1,105.60	1,105.52	CI-2, SPI-5, SSIF-5, CIG-4, MFC-5	A190	0.05	6.19	-	0.26	-	0.3	0.3	0.0	182	3.92	1106.04	1106.12	1112.28
191		Frontage Rd. CRL	10+75.00	14.00'	RT.	CI-DGN2 W/ SM JCB W/ 50 L.F. 18 IN. RCP TO OUTFALL -	1,111.55	1,110.31	CI-2, SPI-5, SSIF-5, CIG-4, MFC-5	A191	0.07	6.19	-	0.37	-	0.4	0.4	0.0	190	3.94	1111.92	1112.57	1114.72
192		Boucher CRL	13+10.41	39.98'	LT.	SMD TYPE 2B W/ 118 L.F. 18 IN. RCP STUB INTO STR. 191	1,113.93	1,111.65	PSMD-2, SPI-5	A192	3.96	-	7.86	-	17.82	17.8	17.8	0.0	-	N/A	1114.29	1114.78	1116.81
201		Boucher CRL	15+20.00	26.00'	RT.	CI-DGN2(D) W/ [illegible] W/ 61 L.F. 18 IN. RCP TO OUTFALL -	1,107.84	1,106.16	CI-2, SPI-5, SSIF-5, CIG-4, MFC-5	A201	0.59	6.19	-	3.21	-	2.5	3.2	0.7	163	8.48	1108.22	1108.97	1110.67
211		Waterloo CRL	57+49.88	45.00'	RT.	CI-DGN2(D) W/ [illegible]G JCB W/ [illegible] L.F. 36 IN. RCP STUB INTO STR. 164	1,100.33	1,097.11	CI-2, SPI-5, SSIF-5, CIG-4, MFC-5	A211	0.53	6.19	-	3.12	-	2.5	67.0	0.6	164	9.48	1103.58	1106.22	1108.25
212		Waterloo CRL	55+20.00	33.00'	RT.	CI-D[illegible] W/ [illegible] W/ 22[illegible] L.F. 36 IN. RCP STUB INTO STR. 211	1,104.87	1,100.44	CI-2, SPI-5, SSIF-5, CIG-4, MFC-5	A212	0.08	6.19	-	0.44	-	0.5	64.7	0.0	211	4.58	1108.29	1110.74	1112.33
213		Waterloo CRL	55+26.74	[illegible]	[illegible]	GPI TYP[illegible] W/ 16 L.F. 24 IN. RCP STUB INTO STR. 212	1,107.22	1,107.03	GPI-5, SPI-5	A213	0.37	-	8.02	-	2.18	2.2	1.8	0.0	-	N/A	1108.48	1108.86	1111.38
214		Waterloo CRL	54+35.0[illegible]	43.68'	[illegible]	GPI TYPE [illegible] W/ 74 L.F. 18 IN. RCP STUB INTO STR. 231	1,106.69	1,106.32	GPI-5, SPI-5	A214	0.30	-	8.07	-	1.75	1.8	1.8	0.0	-	N/A	1111.56	1111.58	1111.38
215		Waterloo CRL	52+70.0[illegible]	33.00'	R[illegible]	CI-D[illegible]2 W/ SM JCB W/ 166 L.F. 36 IN. RCP STUB INTO STR. 231	1,109.32	1,106.34	CI-2, SPI-5, SSIF-5, CIG-4, MFC-5	A215	0.12	6.19	-	0.69	-	0.7	62.4	0.1	231	5.36	1112.03	1114.19	1116.84
216		Waterloo CRL	51+70.00	36.13'	[illegible]	G[illegible]TYPE I W/ 66 L.F. 18 IN. RCP STUB INTO STR. 217	1,113.18	1,112.85	GPI-5, SPI-5	A216	0.18	-	8.07	-	0.84	0.8	0.8	0.0	-	N/A	1114.10	1114.22	1116.80
217		Waterloo CRL	51+40.00	[illegible]	RT.	CI-DGN[illegible] W/ SM JCB W/ 125 L.F. 36 IN. RCP STUB INTO STR. 215	1,111.61	1,109.36	CI-2, SPI-5, SSIF-5, CIG-4, MFC-5	A217	0.15	6.19	-	0.80	-	0.7	52.3	0.1	215	5.51	1113.77	1113.89	1119.21
219		Waterloo CRL	49+70.00	[illegible]42'	LT.	GPI TYPE I W/ 61 L.F. 18 IN. RCP STUB INTO STR. 220	1,117.42	1,117.12	GPI-5, SPI-5	A219	0.38	-	8.07	-	1.64	1.6	1.6	0.0	-	N/A	1118.41	1118.59	1120.53
220		Waterloo CRL	49+70.00	[illegible]97	RT.	CI-DGN2(B) W/ SM JCB W/ 165 L.F. 24 IN. RCP STUB INTO STR. 217	1,116.70	1,113.00	CI-2, SPI-5, SSIF-5, CIG-4, MFC-5	A220	0.21	6.19	-	1.00	-	1.0	7.1	0.1	217	5.46	1118.11	1118.29	1123.03
221		Waterloo CRL	46+70.77	25.[illegible]	LT.	GPI TYPE I W/ 52 L.F. 18 IN. RCP STUB INTO STR. 222	1,130.66	1,130.40	GPI-5, SPI-5	A221	0.39	-	8.07	-	1.72	1.7	1.7	0.0	-	N/A	1131.16	1131.34	1133.77
222		Waterloo CRL	46+69.50	29.86'	RT.	CI-DGN2 W/ SM JCB W/ 295 L.F. 18 IN. RCP STUB INTO STR. 220	1,130.30	1,117.11	CI-2, SPI-5, SSIF-5, CIG-4, MFC-5	A222	0.17	6.19	-	0.78	-	0.9	4.9	0.1	220	4.58	1130.85	1132.69	1136.54
222B		Waterloo CRL	44+02.75	49.93'	RT.	SMD-TYPE 2B GRATE W/ 20 L.F. 18 IN. RCP STUB INTO STR. 224	1,148.27	1,148.07	PSMD-2, SPI-5	A222B	0.03	-	8.07	-	0.11	0.1	0.1	0.0	-	N/A	1148.37	1148.44	1151.10
MH228		Waterloo CRL	60+00.00	51.80'	LT.	8' ID MH W/ 42 L.F. 48 IN. RCP TO OUTFALL -	1,090.95	1,090.74	PRM-1, SPI-5, MFC-5	-	-	-	-	-	-	-	N/A	-	-	-	1097.30	1099.00	1104.00
223		Waterloo CRL	43+70.83	31.76'	LT.	GPI TYPI I W/ 50 L.F. 18 IN. RCP STUB INTO STR. 224	1,147.87	1,147.62	GPI-5, SPI-5	A223	0.51	-	8.07	-	0.84	0.8	0.8	0.0	-	N/A	1148.93	1149.15	1150.98
224		Waterloo CRL	43+69.26	21.29'	RT.	CI-DGN2 W/ SM JCB W/ 295 L.F. 18 IN. RCP STUB INTO STR. 222	1,146.42	1,131.30	CI-2, SPI-5, SSIF-5, CIG-4, MFC-5	A224	0.24	6.19	-	1.13	-	1.0	2.8	0.2	222	4.89	1146.81	1148.48	1153.82
231		Waterloo CRL	54+40.37	33.00'	RT.	CI-DGN2 W/ SM JCB W/ 75 L.F. 36 IN. RCP STUB INTO STR. 212	1,106.32	1,104.98	CI-2, SPI-5, SSIF-5, CIG-4, MFC-5	A231	0.38	5.63	7.41	1.09	1.43	0.9	1.1	0.2	212	6.01	1109.25	1111.56	1113.76
233		Waterloo CRL	52+54.14	58.60'	RT.	GPI TYPE I W/ 19 L.F. 18 IN. RCP STUB INTO STR. 215	1,110.07	1,109.98	GPI-5, SPI-5	A233	4.83	-	7.96	-	17.59	14.5	14.5	0.0	-	N/A	1113.04	1114.67	1113.76
MH240		I-35	147+81.67	07.06'	RT.	5' ID MH W/ 125 L.F. 24 IN. RCP STUB INTO STR. MH249	1,105.22	1,104.51	PRM-1, SPI-5, MFC-5	-	-	-	-	-	-	-	N/A	-	-	-	1106.30	1106.86	1111.03
240A		I-35	147+81.67	00.00'	-	LONG BARR TYP 2 W/ 3 L.F. 24 IN. RCP STUB INTO STR. MH240	1,105.34	1,105.33	CLB-2, SPI-5, SSIF-5, CIG-4	A240A	0.18	-	8.07	-	1.52	6.4	1.5	0.0	-	8.01	1107.03	1107.58	1110.58
240B		I-35	147+81.67	00.00'	-	LONG BARR TYP 2 W/ - L.F. - IN. RCP TO OUTFALL -	-	-	CLB-2, SPI-5, SSIF-5, CIG-4	A240B	0.18	-	8.07	-	1.43	6.2	1.4	0.0	-	7.84	-	-	-
MH241		I-35	149+50.00	07.06'	RT.	5' ID MH W/ 163 L.F. 24 IN. RCP STUB INTO STR. MH240	1,106.22	1,105.32	PRM-1, SPI-5, MFC-5	-	-	-	-	-	-	-	N/A	-	-	-	1107.15	1107.64	1111.37
241A		I-35	149+50.00	00.00'	-	LONG BARR TYP 2 W/ 3 L.F. 24 IN. RCP STUB INTO STR. MH241	1,106.34	1,106.33	CLB-2, SPI-5, SSIF-5, CIG-4	A241A	0.17	6.19	-	0.91	-	0.9	0.9	0.0	240A	4.82	1107.84	1107.84	1110.93
241B		I-35	149+50.00	00.00'	-	LONG BARR TYP 2 W/ - L.F. - IN. RCP TO OUTFALL -	-	-	CLB-2, SPI-5, SSIF-5, CIG-4	A241B	0.17	6.19	-	0.90	-	0.9	0.9	0.0	240B	4.80	-	-	-
MH242		I-35	152+50.00	07.06'	RT.	5' ID MH W/ 295 L.F. 24 IN. RCP STUB INTO STR. MH241	1,107.94	1,106.32	PRM-1, SPI-5, MFC-5	-	-	-	-	-	-	-	N/A	-	-	-	1108.74	1109.17	1112.86
242A		I-35	152+50.00	00.00'	-	LONG BARR TYP 2 W/ 3 L.F. 24 IN. RCP STUB INTO STR. MH242	1,108.06	1,108.05	CLB-2, SPI-5, SSIF-5, CIG-4	A242A	0.17	6.19	-	0.89	-	0.9	0.9	0.0	241A	4.60	1109.56	1109.57	1112.41
242B		I-35	152+50.00	00.00'	-	LONG BARR TYP 2 W/ - L.F. 24 IN. RCP STUB INTO STR. 241	1,108.06	1,106.44	CLB-2, SPI-5, SSIF-5, CIG-4	A242B	0.17	6.19	-	0.89	-	0.9	0.9	0.0	241B	4.60	-	-	-
MH243		I-35	155+50.00	07.06'	RT.	5' ID MH W/ 295 L.F. 24 IN. RCP STUB INTO STR. MH242	1,109.66	1,108.04	PRM-1, SPI-5, MFC-5	-	-	-	-	-	-	-	N/A	-	-	-	1110.33	1110.68	1114.36

Preliminary Plans

DESIGN	JWJ	5/18
DRAWN	TML	5/18
CHECKED	JES	6/18
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

DRAINAGE DESIGN RECORD
(SHEET 2 OF 3)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO R099

3/28/2025 9:23:12 AM \\garverinc.local\gdata\Projects\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_DDR_002.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025

STORM SEWER DESIGN RECORD

STR. NO.	P&P SHEET NO.	ALIGNMENT	STATION AND OFFSET			DESCRIPTION										EXITING PIPE FLOWLINE IN	EXITING PIPE FLOWLINE OUT	DESIGN	DRAINAGE AREA		DESIGN YEAR INTENSITY		DESIGN YEAR LOCAL DISCHARGE		CAPTURE "Q"	TOTAL "Q" IN STRUCTURE	BYPASS "Q"	BYPASS TO	SPREAD	HYDRAULIC GRADELINE	ENERGY GRADELINE	ELEV. TOP MANHOLE OR GRATE OR GPI
																FT	FT		NO.	ACRE	IN/HR		CFS		CFS.	CFS.	CFS.	STR.	FT	FT	FT	FT
																					I_{10}	I_{50}	Q_{10}	Q_{50}								
243A		I-35	155+50.00	00.00'	-	LONG BARR TYP 2	W/	3	L.F.	24	IN.	RCP	STUB INTO	STR.	MH243	1,109.78	1,109.77	CLB-2, SPI-5, SSIF-5, CIG-4	A243A	0.17	6.19	-	0.89	-	0.9	0.9	0.0	242A	4.58	1111.28	1111.29	1113.91
243B		I-35	155+50.00	00.00'	-	LONG BARR TYP 2	W/	-	L.F.	-	IN.	RCP	TO OUTFALL	-		-	-	CLB-2, SPI-5, SSIF-5, CIG-4	A243B	0.17	6.19	-	0.00	-	0.9	0.9	0.0	242B	4.61	-	-	-
MH244		I-35	158+50.00	07.06'	RT.	5' ID MH	W/	295	L.F.	24	IN.	RCP	STUB INTO	STR.	MH243	1,111.38	1,109.76	PRM-1, SPI-5, MFC-5	-	-	-	-	-	-	N/A	-	-	-	1111.88	1112.14	1115.86
244A		I-35	158+50.00	00.00'	-	LONG BARR TYP 2	W/	3	L.F.	24	IN.	RCP	STUB INTO	STR.	MH244	1,111.50	1,111.49	CLB-2, SPI-5, SSIF-5, CIG-4	A244A	0.12	6.19	-	0.00	-	0.6	0.6	0.0	243A	3.96	1113.00	1113.00	1115.41
244B		I-35	158+50.00	00.00'	-	LONG BARR TYP 2	W/	-	L.F.	-	IN.	RCP	TO OUTFALL	-		-	-	CLB-2, SPI-5, SSIF-5, CIG-4	A244B	0.12	6.19	-	0.60	-	0.6	0.6	0.0	243B	3.97	-	-	-
MH245		I-35	160+50.00	07.06'	RT.	5' ID MH	W/	195	L.F.	24	IN.	RCP	STUB INTO	STR.	MH244	1,112.55	1,111.48	PRM-1, SPI-5, MFC-5	-	-	-	-	-	-	N/A	-	-	-	1112.88	1113.04	1116.86
245A		I-35	160+50.00	00.00'	-	LONG BARR TYP 2	W/	3	L.F.	24	IN.	RCP	STUB INTO	STR.	MH245	1,112.67	1,112.66	CLB-2, SPI-5, SSIF-5, CIG-4	A245A	0.09	5.65	-	0.42	-	0.4	0.4	0.0	244A	3.47	1114.17	1114.17	1116.62
245B		I-35	160+50.00	00.00'	-	LONG BARR TYP 2	W/	-	L.F.	-	IN.	RCP	TO OUTFALL	-		-	-	CLB-2, SPI-5, SSIF-5, CIG-4	A245B	0.09	5.19	-	0.47	-	0.5	0.5	0.0	244B	3.61	-	-	-
247A		I-35	146+50.00	00.00'	-	LONG BARR TYP 2	W/	3	L.F.	24	IN.	RCP	STUB INTO	STR.	MH249	1,104.54	1,104.52	CLB-2, SPI-5, SSIF-5, CIG-4	A247A	0.17	6.19	-	0.91	-	0.9	0.9	0.0	240A	4.34	1106.04	1106.04	1110.79
247B		I-35	146+50.00	00.00'	-	LONG BARR TYP 2	W/	-	L.F.	-	IN.	RCP	TO OUTFALL	-		-	-	CLB-2, SPI-5, SSIF-5, CIG-4	A247B	0.17	6.19	-	0.89	-	0.9	0.9	0.0	240B	4.32	-	-	-
MH248		I-35	143+50.00	07.06'	RT.	5' ID MH	W/	294	L.F.	24	IN.	RCP	STUB INTO	STR.	MH249	1,107.96	1,104.52	PRM-1, SPI-5, MFC-5	-	-	-	-	-	-	N/A	-	-	-	1108.30	1108.65	1113.31
248A		I-35	143+50.00	00.00'	-	LONG BARR TYP 2	W/	3	L.F.	24	IN.	RCP	STUB INTO	STR.	MH248	1,108.09	1,108.08	CLB-2, SPI-5, SSIF-5, CIG-4	A248A	0.13	6.19	-	0.71	-	0.7	0.7	0.0	247A	3.71	1109.59	1109.59	1112.86
248B		I-35	143+50.00	00.00'	-	LONG BARR TYP 2	W/	-	L.F.	-	IN.	RCP	TO OUTFALL	-		-	-	CLB-2, SPI-5, SSIF-5, CIG-4	A248B	0.13	6.19	-	0.71	-	0.7	0.7	0.0	247B	3.70	-	-	-
MH249		I-35	146+50.00	07.06'	RT.	8' ID MH	W/	105	L.F.	24	IN.	RCP	TO OUTFALL	-		1,104.37	1,102.81	PRM-1, SPI-5, MFC-5	-	-	-	-	-	-	N/A	-	-	-	1105.36	1106.55	1111.24
MH250		I-35	132+13.46	07.06'	RT.	5' ID MH	W/	183	L.F.	24	IN.	RCP	STUB INTO	STR.	MH251	1,104.97	1,104.04	PRM-1, SPI-5, MFC-5	-	-	-	-	-	-	N/A	-	-	-	1107.25	1107.84	1114.91
250A		I-35	132+13.46	00.00'	-	LONG BARR TYP 2	W/	3	L.F.	24	IN.	RCP	STUB INTO	STR.	MH250	1,105.09	1,105.08	CLB-2, SPI-5, SSIF-5, CIG-4	A250A	0.18	6.19	-	1.12	-	6.3	1.5	0.0	-	7.90	1107.61	1108.23	1114.46
250B		I-35	132+13.46	00.00'	-	LONG BARR TYP 2	W/	-	L.F.	-	IN.	RCP	TO OUTFALL	-		-	-	CLB-2, SPI-5, SSIF-5, CIG-4	A250B	0.18	-	8.07	1.11	1.45	6.3	1.5	0.0	-	7.87	-	-	-
MH251		I-35	134+00.00	07.06'	RT.	5' ID MH	W/	92	L.F.	24	IN.	RCP	TO OUTFALL	-		1,103.94	1,102.60	PRM-1, SPI-5, MFC-5	-	-	-	-	-	-	N/A	-	-	-	1105.26	1106.69	1115.32
251A		I-35	134+00.00	00.00'	-	LONG BARR TYP 2	W/	3	L.F.	24	IN.	RCP	STUB INTO	STR.	MH251	1,104.19	1,103.05	CLB-2, SPI-5, SSIF-5, CIG-4	A251A	0.19	-	8.07	0.96	1.26	1.0	1.0	0.0	250A	4.93	1105.71	1105.71	1114.87
251B		I-35	134+00.00	00.00'	-	LONG BARR TYP 2	W/	-	L.F.	-	IN.	RCP	TO OUTFALL	-		-	-	CLB-2, SPI-5, SSIF-5, CIG-4	A251B	0.19	6.19	-	-	-	1.0	1.0	0.0	250B	4.93	-	-	-
MH252		I-35	131+00.00	07.06'	RT.	5' ID MH	W/	109	L.F.	24	IN.	RCP	STUB INTO	STR.	MH252	1,105.67	1,105.[illegible]	PRM-1, SPI-5, MFC-5	-	-	-	-	-	-	N/A	-	-	-	1107.99	1108.44	1115.06
252A		I-35	131+00.00	00.00'	-	LONG BARR TYP 2	W/	3	L.F.	24	IN.	RCP	STUB INTO	STR.	MH252	1,105.75	1,105.78	CLB-2, SPI-5, SSIF-5, CIG-4	A252A	0.17	6.19	-	-	-	0.9	0.9	0.0	250A	5.06	1108.49	1108.96	1114.61
252B		I-35	131+00.00	00.00'	-	LONG BARR TYP 2	W/	-	L.F.	-	IN.	RCP	TO OUTFALL	-		-	-	CLB-2, SPI-5, SSIF-5, CIG-4	A252B	0.17	6.19	-	0.90	-	0.9	0.9	0.0	250B	5.07	-	-	-
MH253		I-35	128+00.00	07.06'	RT.	5' ID MH	W/	295	L.F.	24	IN.	RCP	STUB INTO	STR.	MH253	1,107.38	1,105.77	PRM-1, SPI-5, MFC-5	-	-	-	-	-	-	N/A	-	-	-	1109.28	1109.65	1116.52
253A		I-35	128+00.00	00.00'	-	LONG BARR TYP 2	W/	3	L.F.	24	IN.	RCP	STUB INTO	STR.	MH253	1,107.50	1,107.49	CLB-2, SPI-5, SSIF-5, CIG-4	A253A	0.18	6.19	-	0.91	-	0.9	0.9	0.0	252A	4.56	1110.05	1110.43	1116.07
253B		I-35	128+00.00	00.00'	-	LONG BARR TYP 2	W/	-	L.F.	-	IN.	RCP	TO OUTFALL	-		-	-	CLB-2, SPI-5, SSIF-5, CIG-4	A253B	0.17	6.19	-	0.90	-	0.9	0.9	0.0	252B	4.55	-	-	-
MH254		I-35	125+00.00	07.06'	RT.	5' ID MH	W/	295	L.F.	24	IN.	RCP	STUB INTO	STR.	MH253	1,109.10	1,107.48	PRM-1, SPI-5, MFC-5	-	-	-	-	-	-	N/A	-	-	-	1110.38	1111.00	1118.14
254A		I-35	125+00.00	00.00'	-	LONG BARR TYP 2	W/	3	L.F.	24	IN.	RCP	STUB INTO	STR.	MH254	1,109.22	1,109.21	CLB-2, SPI-5, SSIF-5, CIG-4	A254A	0.17	6.19	-	0.90	-	0.9	0.9	0.0	253A	4.54	1111.28	1111.57	1117.69
254B		I-35	125+00.00	00.00'	-	LONG BARR TYP 2	W/	-	L.F.	-	IN.	RCP	TO OUTFALL	-		-	-	CLB-2, SPI-5, SSIF-5, CIG-4	A254B	0.17	6.19	-	0.90	-	0.9	0.9	0.0	253B	4.54	-	-	-
MH255		I-35	122+00.00	07.06'	RT.	5' ID MH	W/	295	L.F.	24	IN.	RCP	STUB INTO	STR.	MH254	1,110.83	1,109.20	PRM-1, SPI-5, MFC-5	-	-	-	-	-	-	N/A	-	-	-	1111.99	1112.58	1119.76
255A		I-35	122+00.00	00.00'	-	LONG BARR TYP 2	W/	3	L.F.	24	IN.	RCP	STUB INTO	STR.	MH255	1,110.95	1,110.94	CLB-2, SPI-5, SSIF-5, CIG-4	A255A	0.17	6.19	-	0.90	-	0.9	0.9	0.0	254A	4.55	1112.45	1112.46	1119.31
255B		I-35	122+00.00	00.00'	-	LONG BARR TYP 2	W/	-	L.F.	-	IN.	RCP	TO OUTFALL	-		-	-	CLB-2, SPI-5, SSIF-5, CIG-4	A255B	0.17	6.19	-	0.90	-	0.9	0.9	0.0	254B	4.55	-	-	-
MH256		I-35	119+00.00	07.06'	RT.	5' ID MH	W/	295	L.F.	24	IN.	RCP	STUB INTO	STR.	MH255	1,112.55	1,110.93	PRM-1, SPI-5, MFC-5	-	-	-	-	-	-	N/A	-	-	-	1113.59	1114.13	1121.38
256A		I-35	119+00.00	00.00'	-	LONG BARR TYP 2	W/	3	L.F.	24	IN.	RCP	STUB INTO	STR.	MH256	1,112.67	1,112.66	CLB-2, SPI-5, SSIF-5, CIG-4	A256A	0.17	6.19	-	0.90	-	0.9	0.9	0.0	255A	4.54	1114.26	1114.27	1120.93
256B		I-35	119+00.00	00.00'	-	LONG BARR TYP 2	W/	-	L.F.	-	IN.	RCP	TO OUTFALL	-		-	-	CLB-2, SPI-5, SSIF-5, CIG-4	A256B	0.17	6.19	-	0.90	-	0.9	0.9	0.0	255B	4.54	-	-	-
MH257		I-35	116+00.00	07.06'	RT.	5' ID MH	W/	295	L.F.	24	IN.	RCP	STUB INTO	STR.	MH256	1,114.27	1,112.65	PRM-1, SPI-5, MFC-5	-	-	-	-	-	-	N/A	-	-	-	1115.19	1115.67	1123.00
257A		I-35	116+00.00	00.00'	-	LONG BARR. TYP 2	W/	3	L.F.	24	IN.	RCP	STUB INTO	STR.	MH257	1,114.39	1,114.38	CLB-2, SPI-5, SSIF-5, CIG-4	A257A	0.17	6.19	-	0.89	-	0.9	0.9	0.0	256A	4.63	1115.89	1115.9	1122.55
257B		I-35	116+00.00	00.00'	-	LONG BARR. TYP 2	W/	-	L.F.	-	IN.	RCP	TO OUTFALL	-		-	-	CLB-2, SPI-5, SSIF-5, CIG-4	A257B	0.17	6.19	-	0.90	-	0.9	0.9	0.0	256B	4.64	-	-	-
MH258		I-35	113+00.00	07.06'	RT.	5' ID MH	W/	295	L.F.	24	IN.	RCP	STUB INTO	STR.	MH257	1,115.99	1,114.37	PRM-1, SPI-5, MFC-5	-	-	-	-	-	-	N/A	-	-	-	1116.77	1117.18	1124.48
258A		I-35	113+00.00	00.00'	-	LONG BARR. TYP 2	W/	3	L.F.	24	IN.	RCP	STUB INTO	STR.	MH258	1,116.11	1,116.10	CLB-2, SPI-5, SSIF-5, CIG-4	A258A	0.17	6.19	-	0.91	-	1.1	1.1	0.1	257A	5.14	1117.61	1117.62	1124.03
258B		I-35	113+00.00	00.00'	-	LONG BARR. TYP 2	W/	-	L.F.	-	IN.	RCP	TO OUTFALL	-		-	-	CLB-2, SPI-5, SSIF-5, CIG-4	A258B	0.17	6.19	-	0.91	-	1.1	1.1	0.1	257B	5.14	-	-	-
MH259		I-35	110+00.00	07.06'	RT.	5' ID MH	W/	295	L.F.	24	IN.	RCP	STUB INTO	STR.	MH258	1,117.61	1,116.09	PRM-1, SPI-5, MFC-5	-	-	-	-	-	-	N/A	-	-	-	1118.22	1118.52	1125.50
259A		I-35	110+00.00	00.00'	-	LONG BARR. TYP 2	W/	3	L.F.	24	IN.	RCP	STUB INTO	STR.	MH259	1,117.73	1,117.72	CLB-2, SPI-5, SSIF-5, CIG-4	A259A	0.28	6.12	-	1.43	-	1.2	1.4	0.2	258A	6.03	1119.23	1119.25	1125.05
259B		I-35	110+00.00	00.00'	-	LONG BARR. TYP 2	W/	-	L.F.	-	IN.	RCP	TO OUTFALL	-		-	-	CLB-2, SPI-5, SSIF-5, CIG-4	A259B	0.28	6.13	-	1.43	-	N/A	N/A	N/A	258B	N/A	-	-	-
OPEN TO 224		Waterloo CRL	42+42.12	-	RT.	OPEN PIPE	W/	132	L.F.	18	IN.	RCP	STUB INTO	STR.	224	1158.74	1148.86	PCES-5, CCI-1, CCI-2, PBB-1	A222B	0.03	6.19	-	0.09	-	N/A	N/A	N/A	-	N/A	-	-	-

Preliminary Plans

DESIGN	JWJ	5/18
DRAWN	TML	5/18
CHECKED	JES	6/18
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

DRAINAGE DESIGN RECORD
(SHEET 3 OF 3)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO R100

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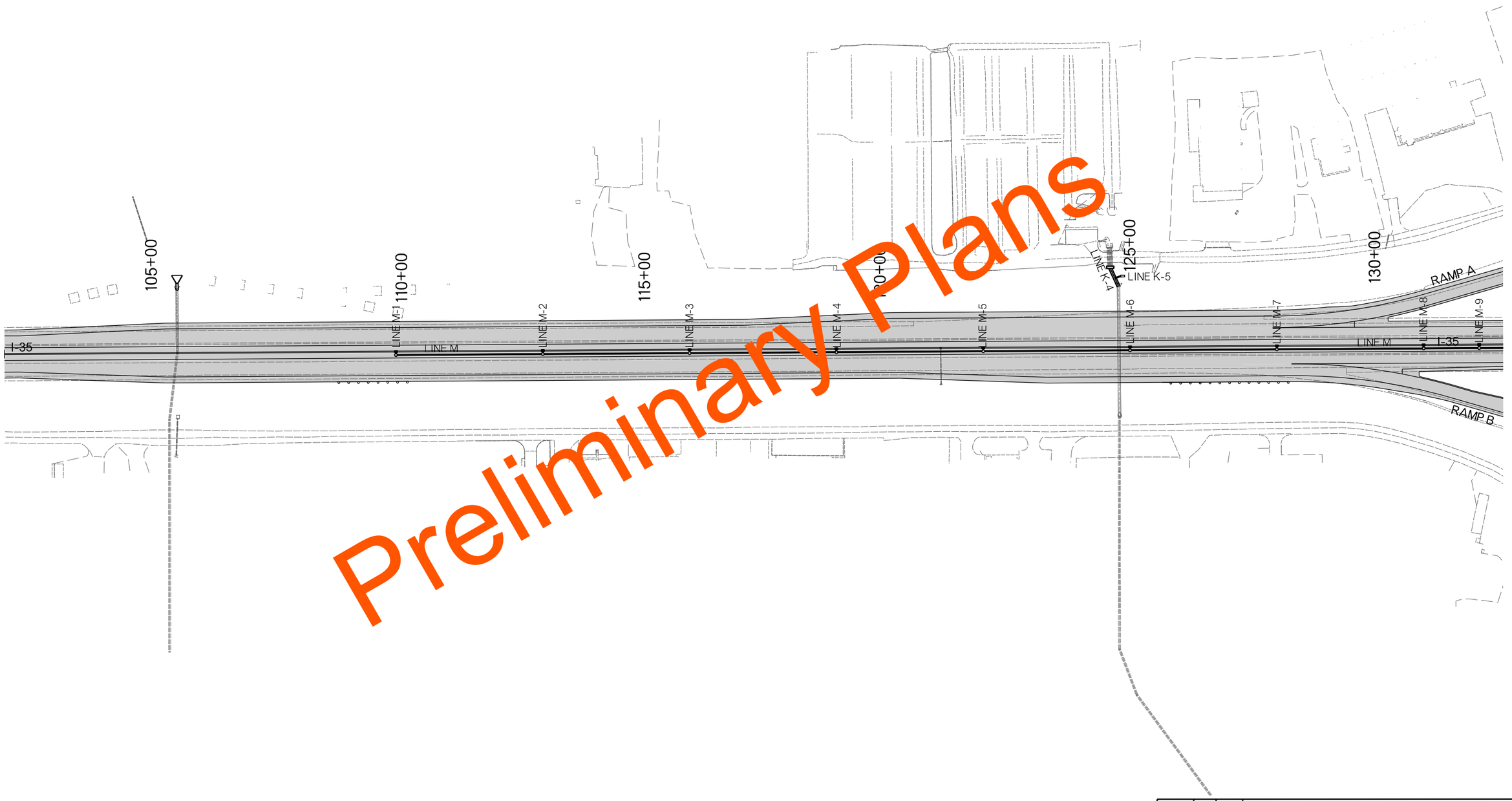
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 100 200 300

SCALE



Preliminary Plans

DESIGN	DDD	3/19
DRAWN	MAM	3/19
CHECKED	JES	3/19
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

STORM SEWER KEY MAP
(SHEET 1 OF 4)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R101

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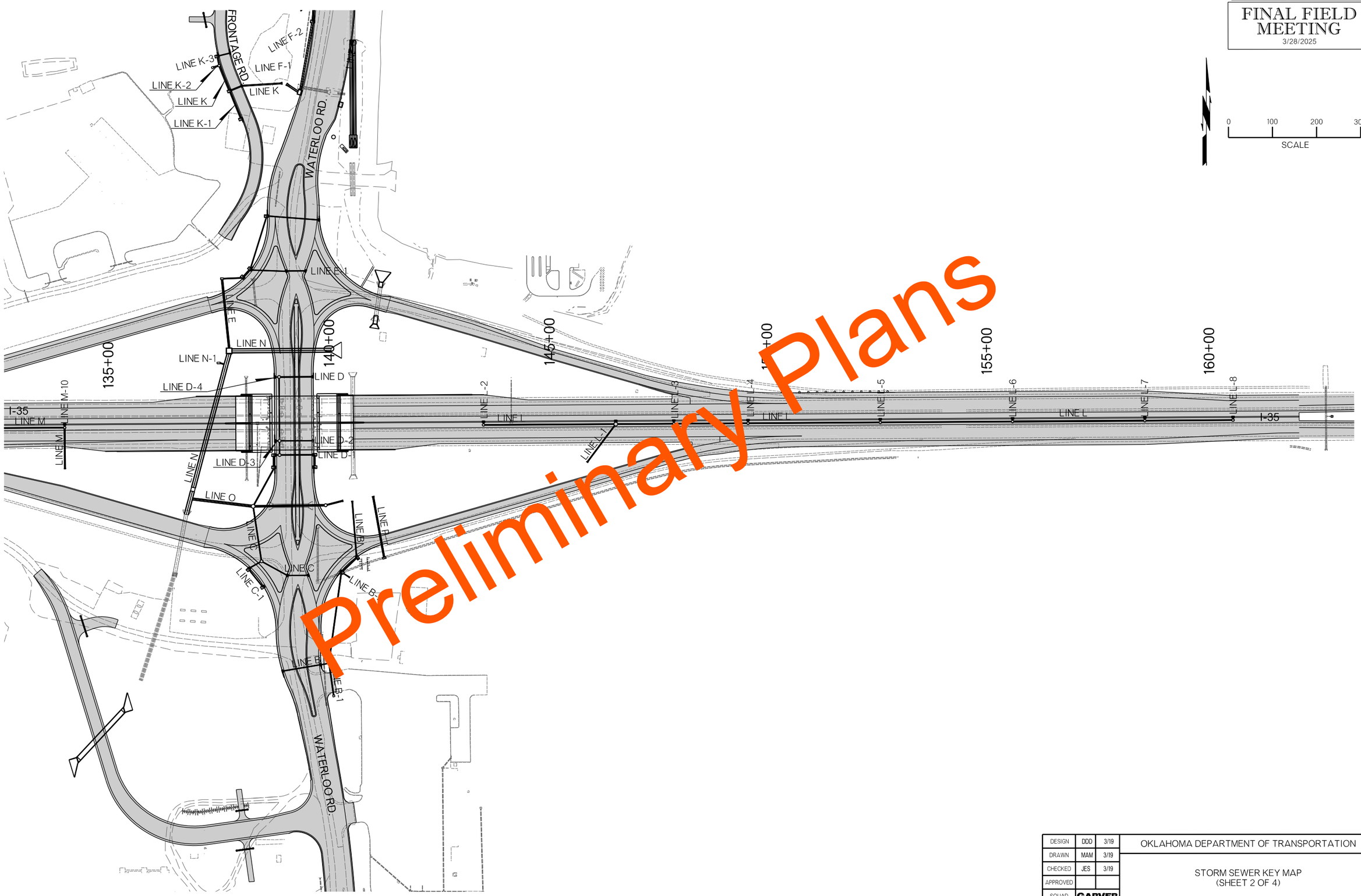
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 100 200 300

SCALE



Preliminary Plans

DESIGN	DDD	3/19
DRAWN	MAM	3/19
CHECKED	JES	3/19
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

STORM SEWER KEY MAP
(SHEET 2 OF 4)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R102

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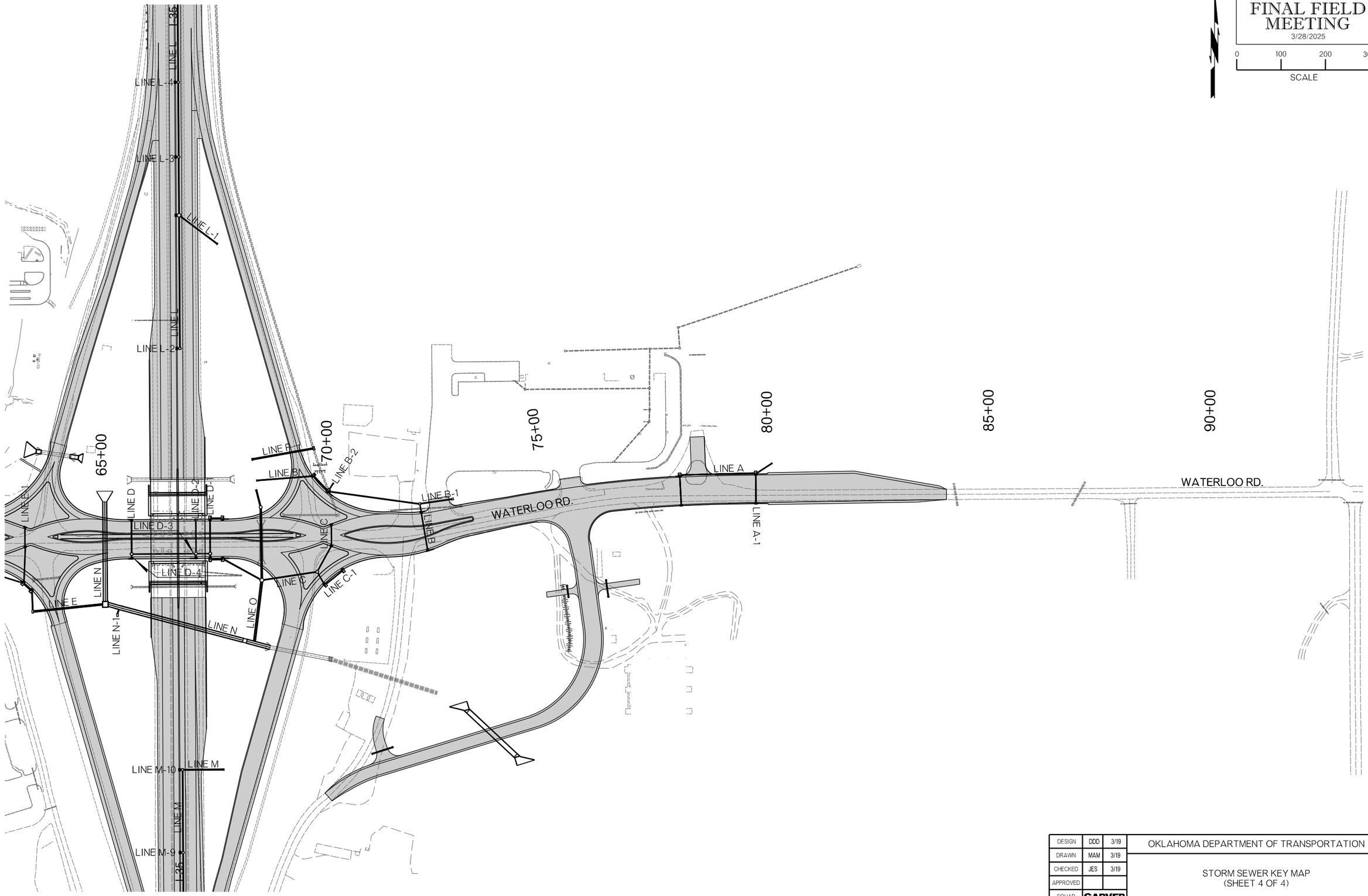
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

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SCALE



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DRAWN	MAM	3/19	
CHECKED	JES	3/19	STORM SEWER KEY MAP (SHEET 4 OF 4)
APPROVED			
SQUAD	GARVER		

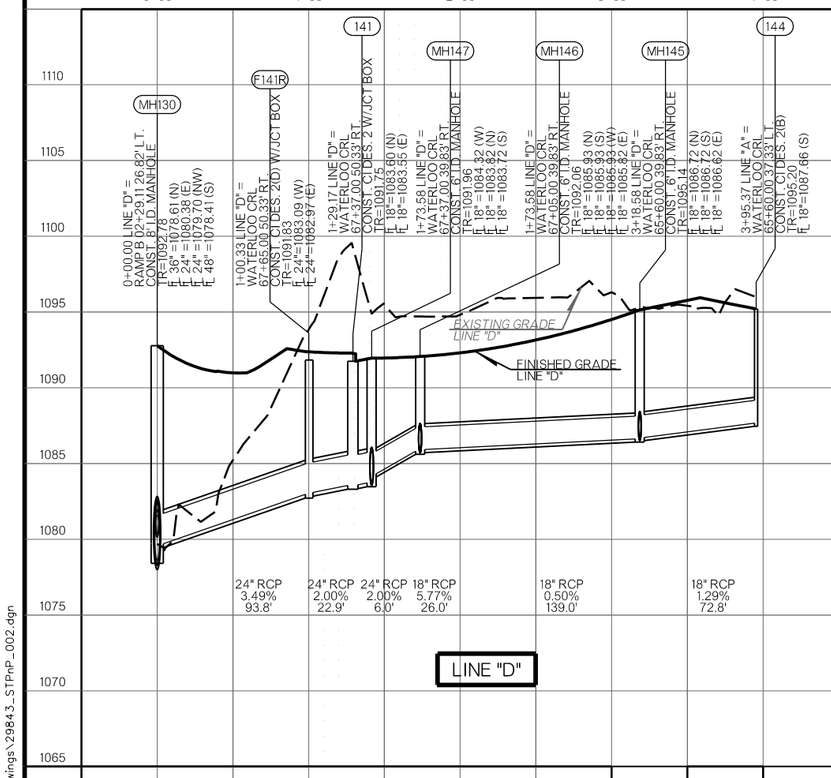
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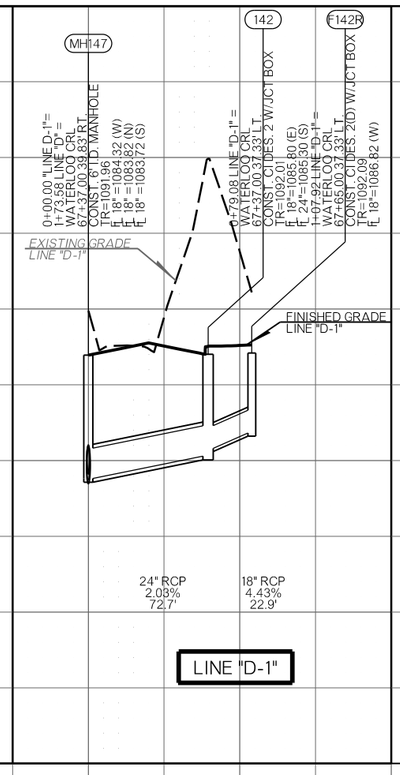
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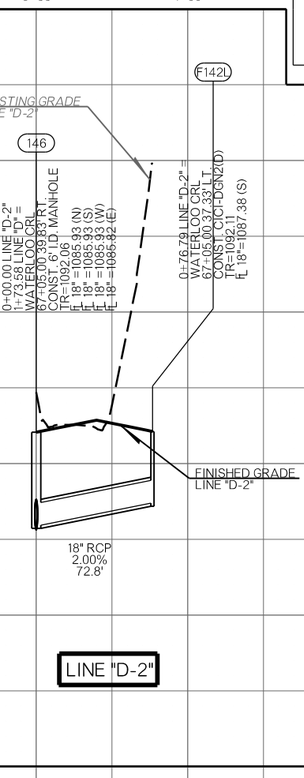
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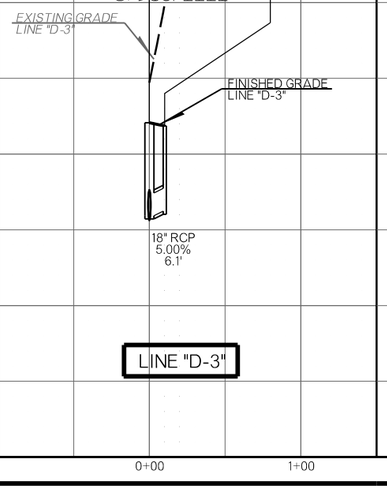
FINAL FIELD MEETING

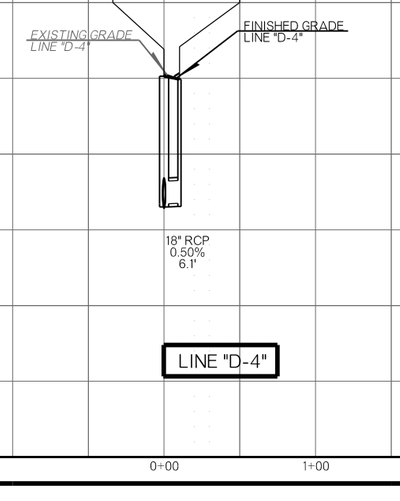
3/28/2025











DESIGN	DDD	3/19	OKLAHOMA DEPARTMENT OF TRANSPORTATION
DRAWN	MAM	3/19	
CHECKED	JES	3/19	STORM SEWER PLAN & PROFILE (SHEET 2 OF 12)
APPROVED			
SQUAD	GARVER		

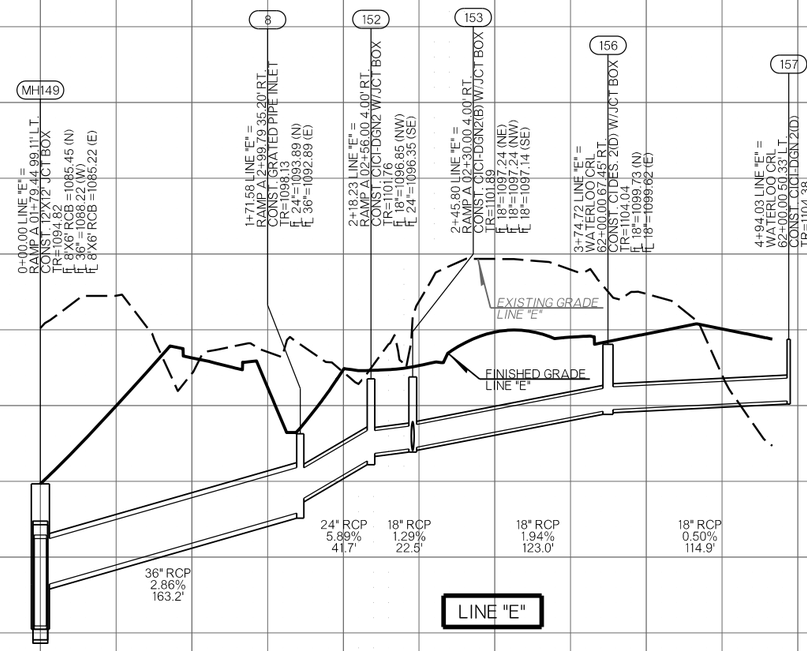
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R106

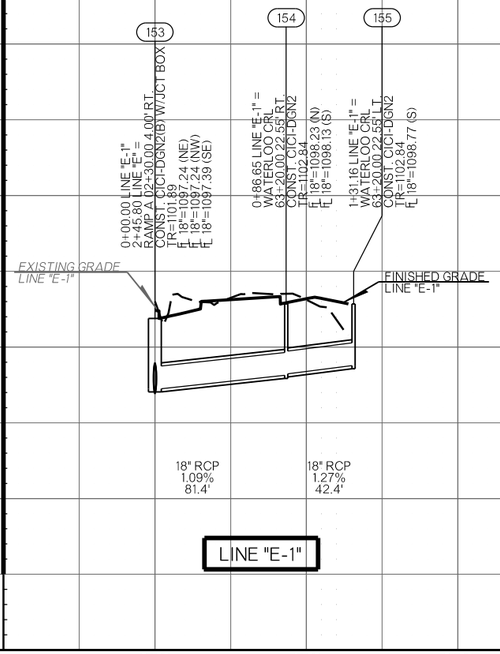
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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025





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DRAWN	MAM	3/19
CHECKED	JES	3/19
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

STORM SEWER PLAN & PROFILE
(SHEET 3 OF 12)

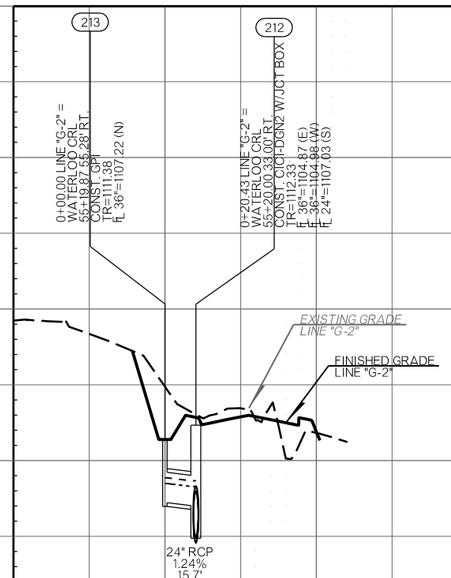
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R107

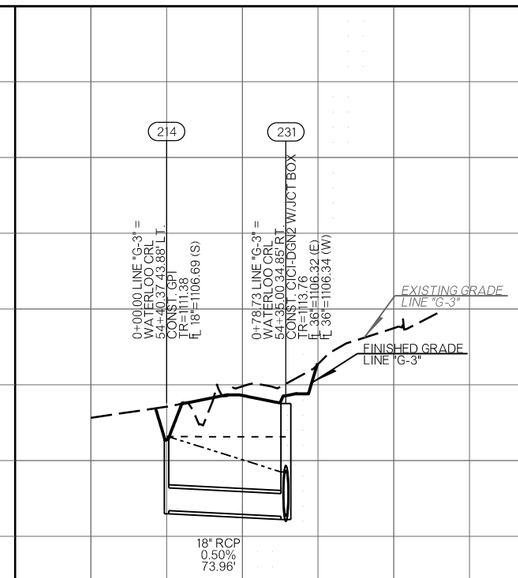
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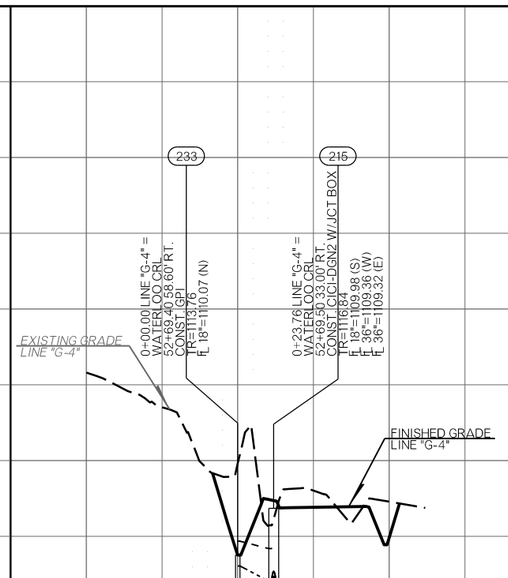
OKLAHOMA DEPARTMENT OF TRANSPORTATION

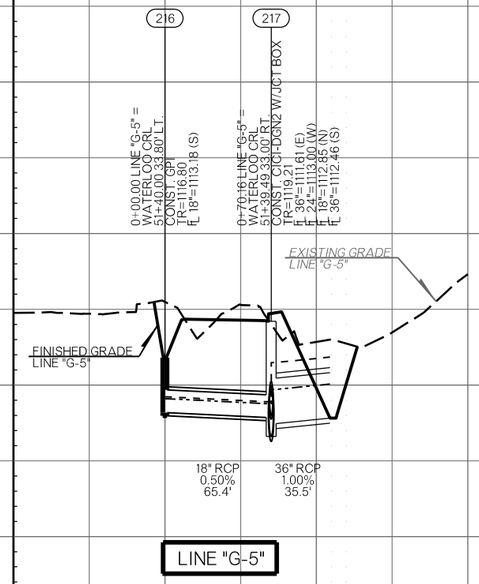
FINAL FIELD MEETING

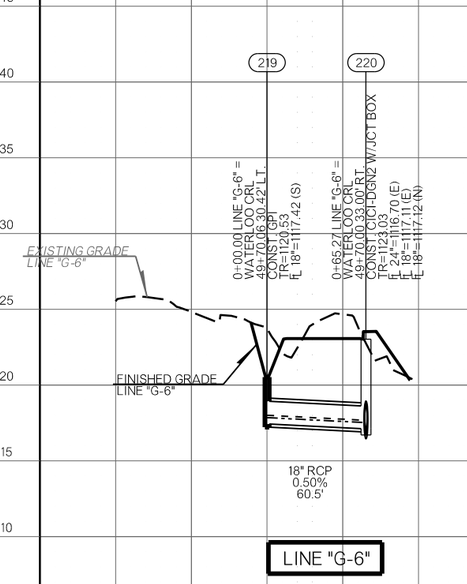
3/28/2025

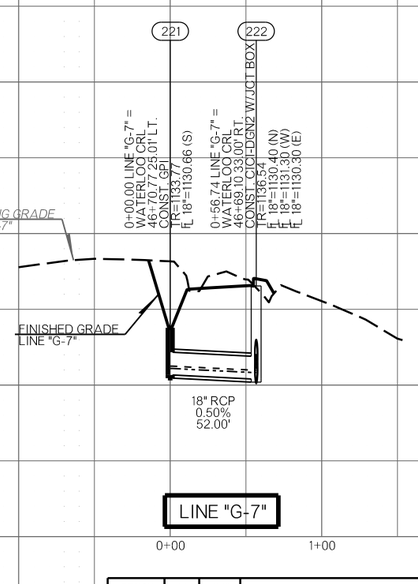












DESIGN	DDD	3/19
DRAWN	MAM	3/19
CHECKED	JES	3/19
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

STORM SEWER PLAN & PROFILE
(SHEET 5 OF 12)

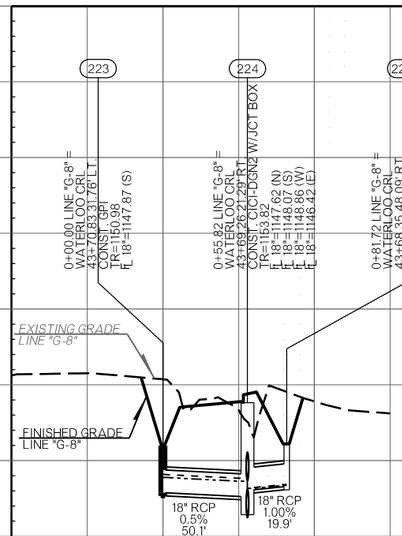
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R109

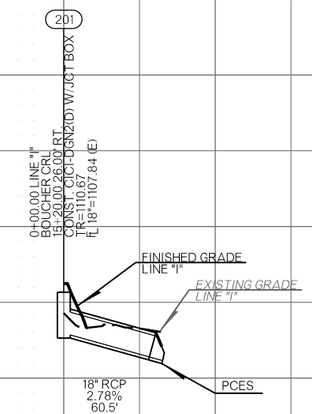
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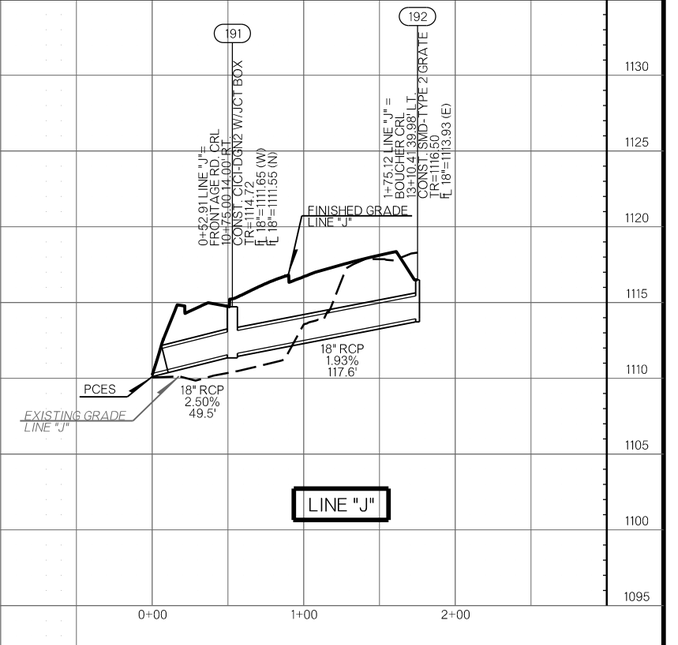
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025







DESIGN	DDD	3/19
DRAWN	MAM	3/19
CHECKED	JES	3/19
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

STORM SEWER PLAN & PROFILE
(SHEET 6 OF 12)

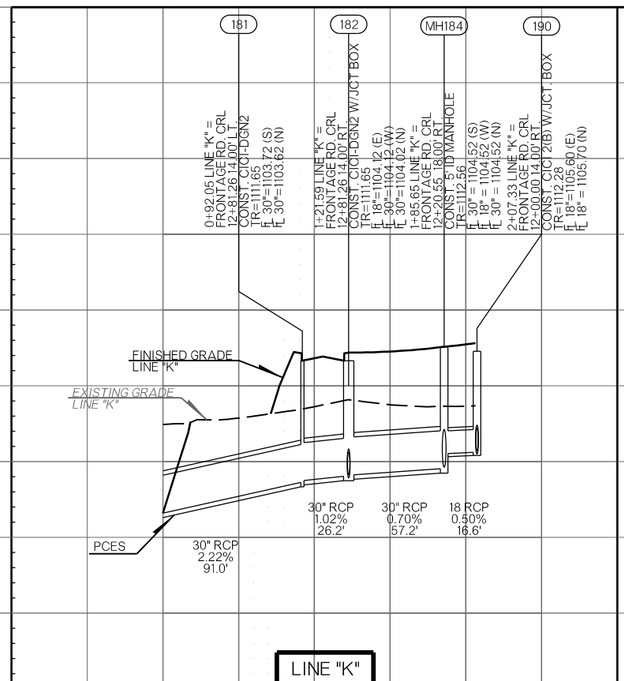
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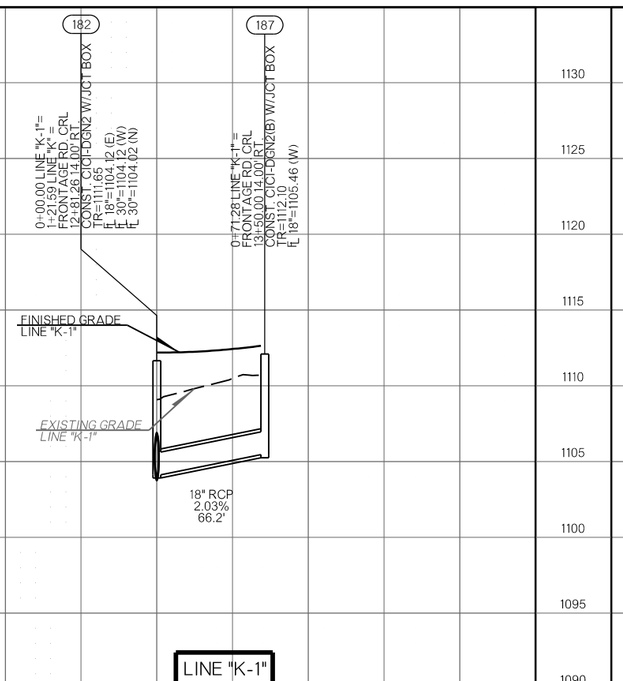
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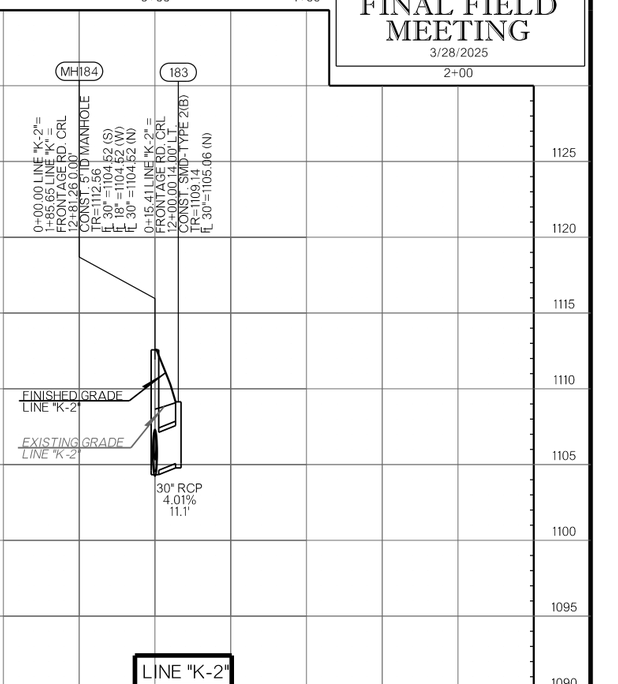
OKLAHOMA DEPARTMENT OF TRANSPORTATION

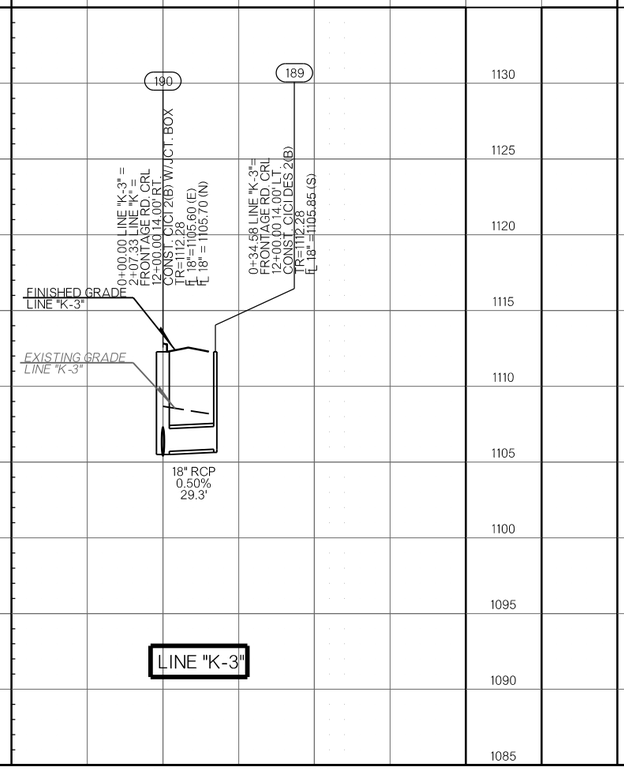
FINAL FIELD MEETING

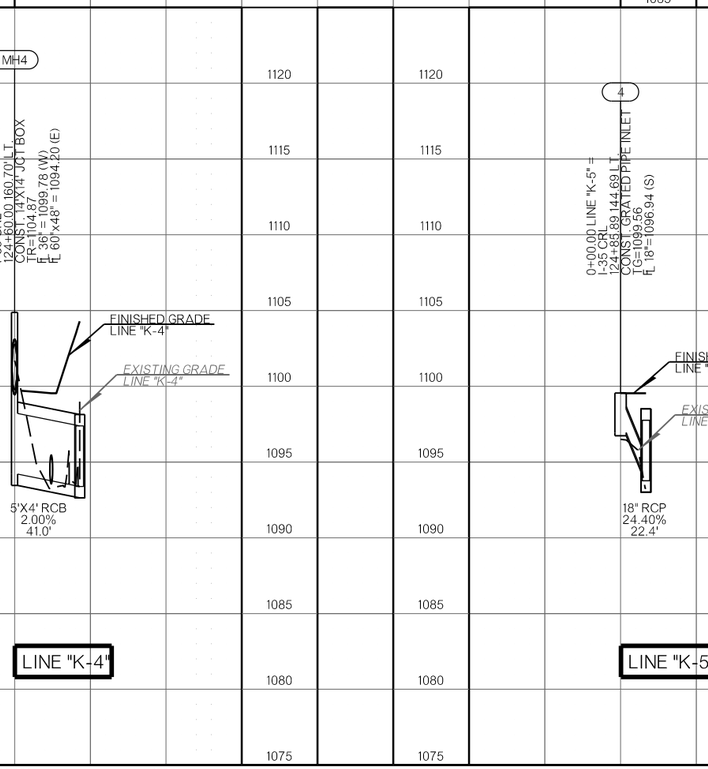
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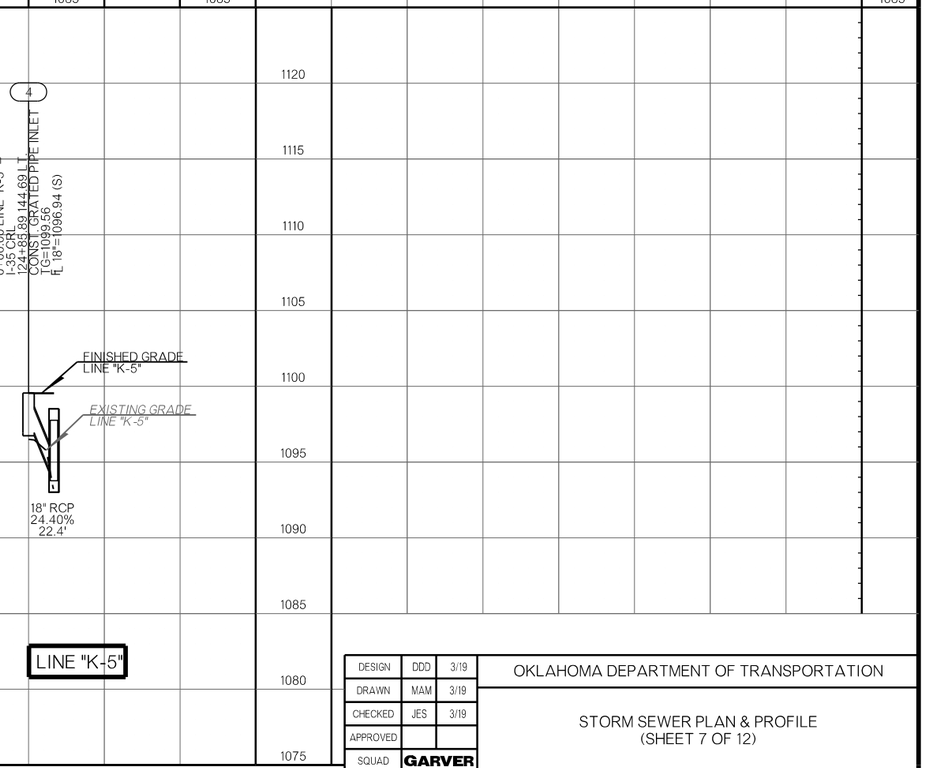












DESIGN	DDD	3/19	OKLAHOMA DEPARTMENT OF TRANSPORTATION
DRAWN	MAM	3/19	
CHECKED	JES	3/19	STORM SEWER PLAN & PROFILE (SHEET 7 OF 12)
APPROVED			
SQUAD	GARVER		

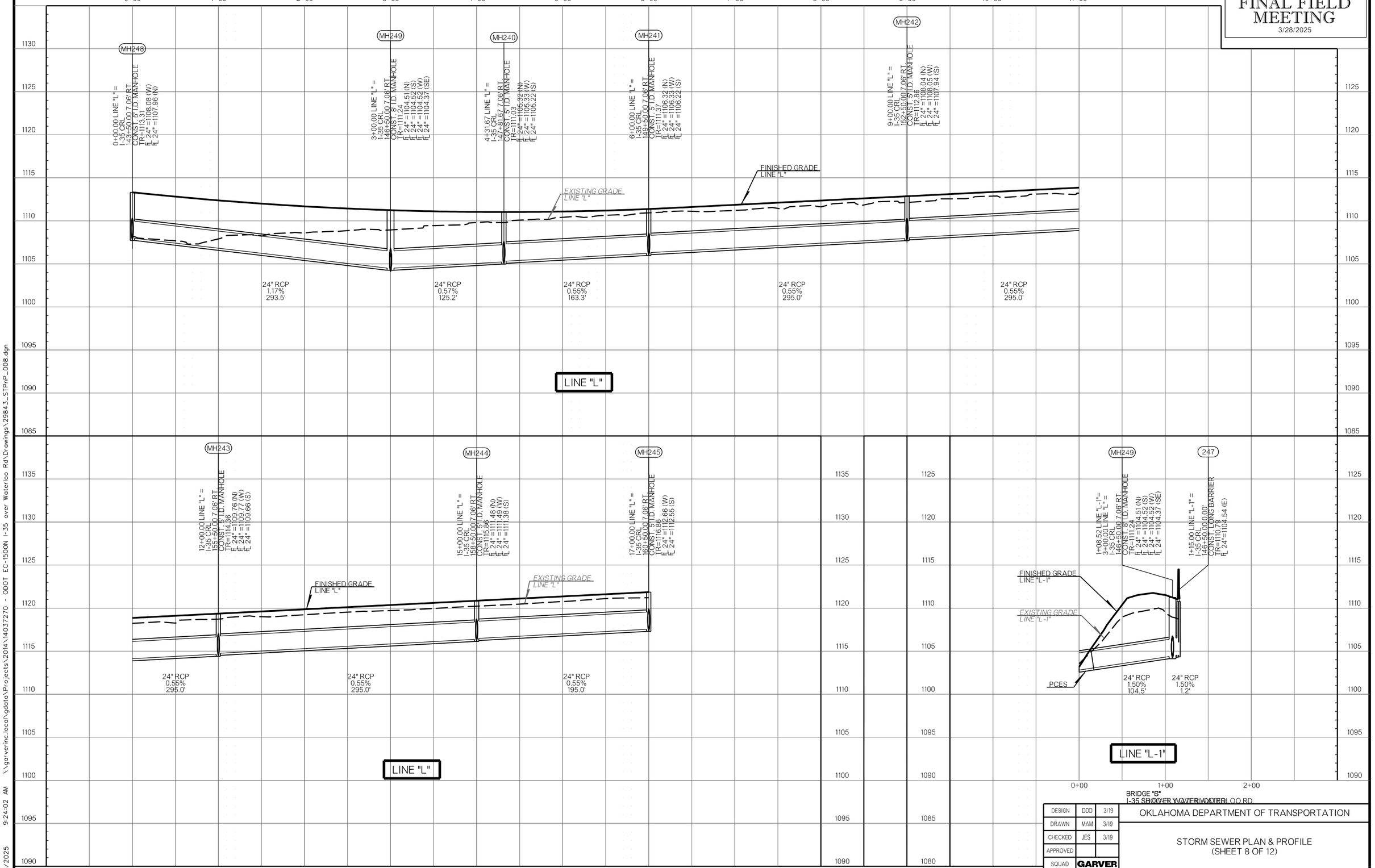
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R111

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025



BRIDGE "B"
I-35 SHOOFLY OVER WATERLOO RD.

DESIGN	DDD	3/19
DRAWN	MAM	3/19
CHECKED	JES	3/19
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

STORM SEWER PLAN & PROFILE
(SHEET 8 OF 12)

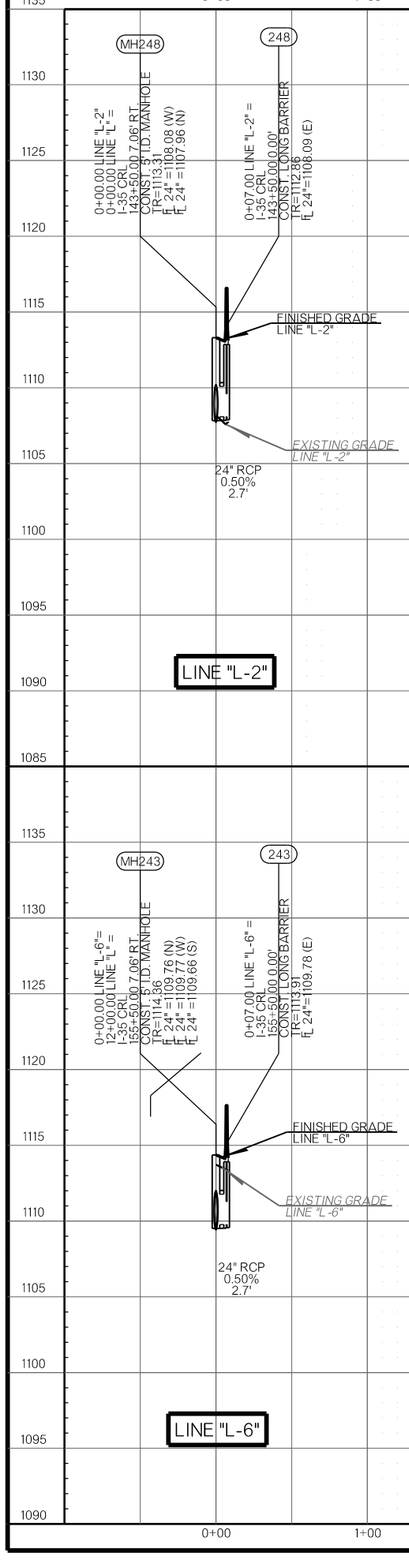
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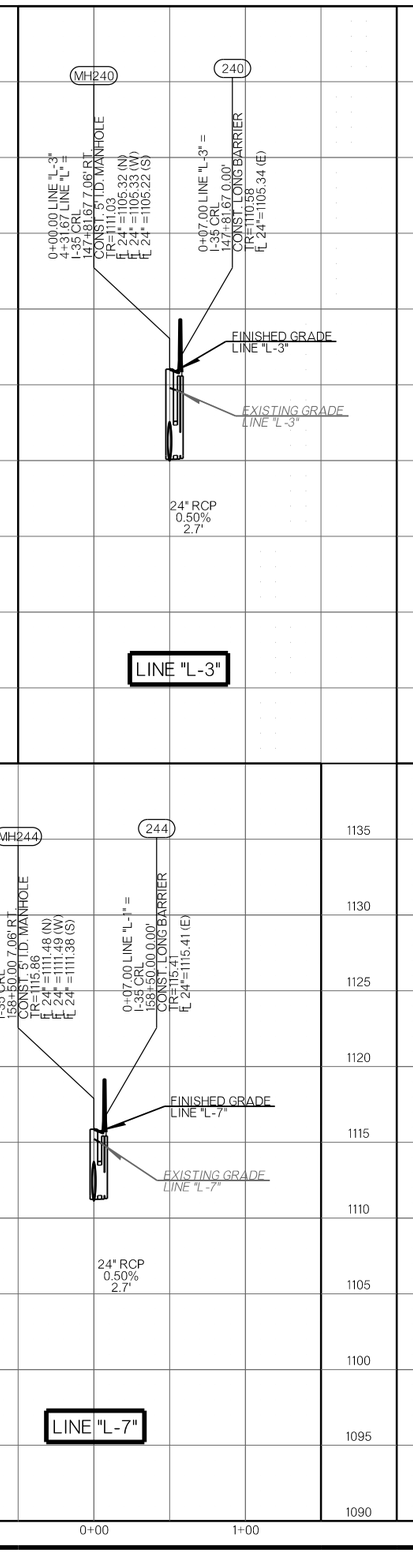
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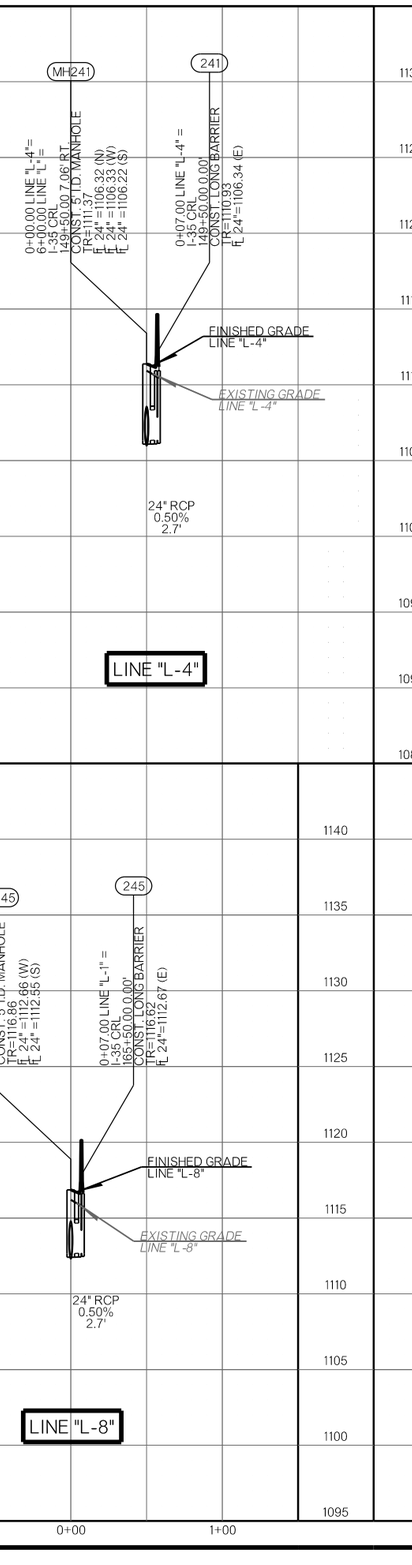
OKLAHOMA DEPARTMENT OF TRANSPORTATION

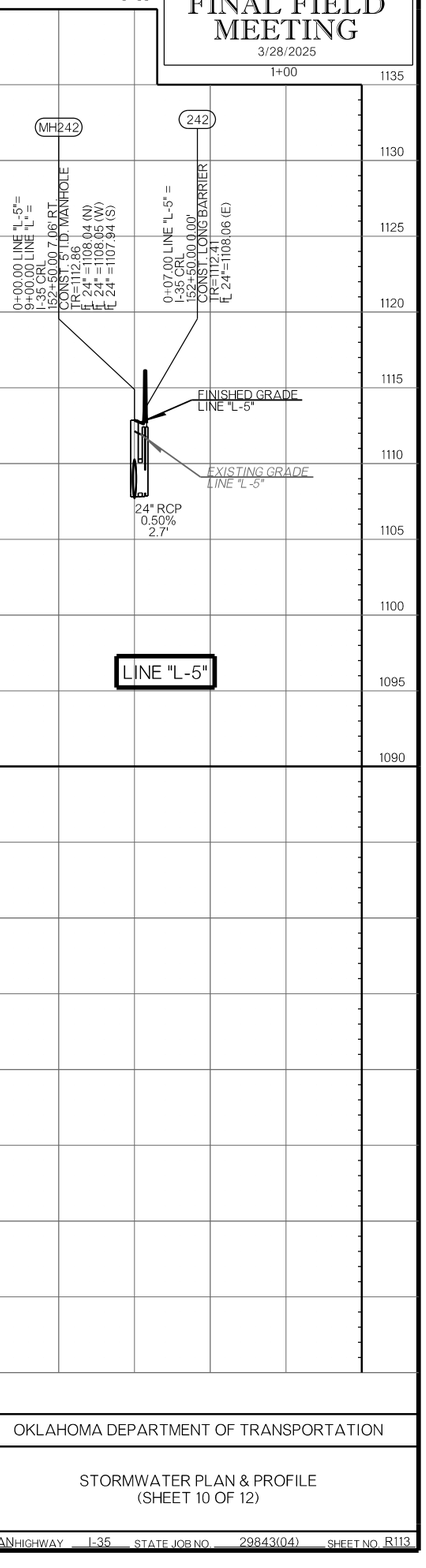
FINAL FIELD MEETING

3/28/2025









DESIGN	DDD	3/19	OKLAHOMA DEPARTMENT OF TRANSPORTATION
DRAWN	MAM	3/19	
CHECKED	JES	3/19	STORMWATER PLAN & PROFILE (SHEET 10 OF 12)
APPROVED			
SQUAD	GARVER		

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R113

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0+00 1+00 2+00 3+00 4+00 5+00 6+00 7+00 8+00 9+00 10+00 11+00 12+00 13+00 14+00

MH251
0+93.95 LINE "M" = I-35 CRL 134+00.00 7.06' RT.
CONST. 5' I.D. MANHOLE
TR=115.32
IE 24" =1104.04 (S)
IE 24" =1104.04 (W)
IE 24" =1103.94 (E)

MH250
2+80.49 LINE "M" = I-35 CRL 132+13.46 7.06' RT.
CONST. 5' I.D. MANHOLE
TR=1114.91
IE 24" =1106.07 (S)
IE 24" =1105.77 (W)
IE 24" =1104.97 (N)

MH252
3+93.95 LINE "M" = I-35 CRL 131+00.00 7.06' RT.
CONST. 5' I.D. MANHOLE
TR=1115.06
IE 24" =1105.77 (S)
IE 24" =1105.77 (W)
IE 24" =1105.67 (N)

MH253
6+93.95 LINE "M" = I-35 CRL 128+00.00 7.06' RT.
CONST. 5' I.D. MANHOLE
TR=1116.07
IE 24" =1107.48 (S)
IE 24" =1107.48 (W)
IE 24" =1107.38 (N)

MH254
9+93.95 LINE "M" = I-35 CRL 125+00.00 7.06' RT.
CONST. 5' I.D. MANHOLE
TR=1118.14
IE 24" =1109.20 (S)
IE 24" =1109.20 (W)
IE 24" =1109.10 (N)

MH255
12+93.95 LINE "M" = I-35 CRL 122+00.00 7.06' RT.
CONST. 5' I.D. MANHOLE
TR=1119.76
IE 24" =1110.93 (S)
IE 24" =1110.93 (W)
IE 24" =1110.83 (N)

FINISHED GRADE LINE "M"

EXISTING GRADE LINE "M"

PCES

24" RCP 1.46% 92.0'

24" RCP 0.51% 181.5'

24" RCP 0.55% 108.5'

24" RCP 0.54% 295.0'

24" RCP 0.55% 295.0'

24" RCP 0.55% 295.0'

24" RCP 0.55% 295.0'

LINE "M"

MH256
15+93.95 LINE "M" = I-35 CRL 119+00.00 7.06' RT.
CONST. 5' I.D. MANHOLE
TR=121.38
IE 24" =112.65 (S)
IE 24" =112.65 (W)
IE 24" =112.55 (N)

MH257
18+93.95 LINE "M" = I-35 CRL 116+00.00 7.06' RT.
CONST. 5' I.D. MANHOLE
TR=123.00
IE 24" =114.37 (S)
IE 24" =114.37 (W)
IE 24" =114.27 (N)

MH258
21+93.95 LINE "M" = I-35 CRL 113+00.00 7.06' RT.
CONST. 5' I.D. MANHOLE
TR=124.48
IE 24" =1116.09 (S)
IE 24" =1116.09 (W)
IE 24" =1115.99 (N)

MH259
24+93.95 LINE "M" = I-35 CRL 110+00.00 7.06' RT.
CONST. 5' I.D. MANHOLE
TR=1125.50
IE 24" =1117.71 (W)
IE 24" =1117.61 (N)

FINISHED GRADE LINE "M"

EXISTING GRADE LINE "M"

24" RCP 0.55% 295.0'

24" RCP 0.55% 295.0'

24" RCP 0.51% 295.0'

LINE "M"

MH259
0+00.00 LINE "M-1" = 24+93.95 LINE "M" = I-35 CRL 110+00.00 7.06' RT.
CONST. 5' I.D. MANHOLE
TR=1125.37
IE 24" =1117.71 (W)
IE 24" =1117.61 (N)

259
0.07+00 LINE "M-1" = I-35 CRL 110+00.00 0.10'
CONST. 15" LONG BARRIER
TR=1125.76
IE 24" =1117.73 (E)

FINISHED GRADE LINE "M-1"

EXISTING GRADE LINE "M-1"

24" RCP 0.50% 2.7'

LINE "M-1"

0+00 1+00

DESIGN	DDD	3/19
DRAWN	MAM	3/19
CHECKED	JES	3/19
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

STORM SEWER PLAN & PROFILE (SHEET 10 OF 12)

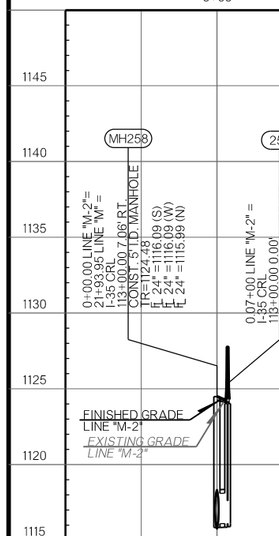
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R114

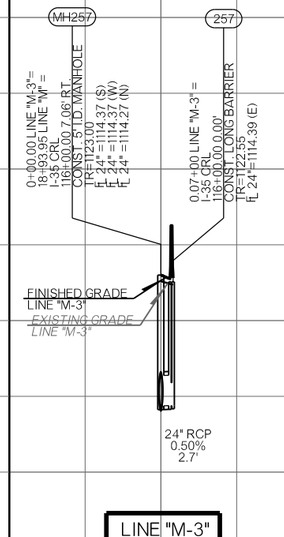
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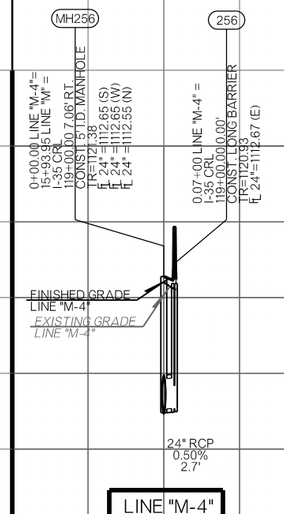
OKLAHOMA DEPARTMENT OF TRANSPORTATION

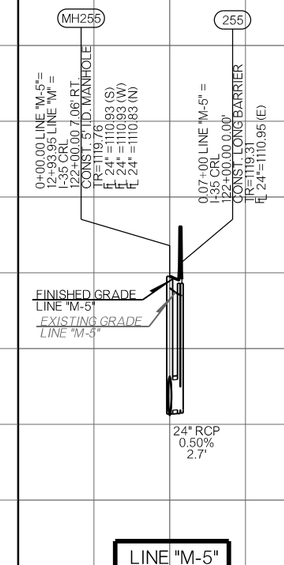
FINAL FIELD MEETING

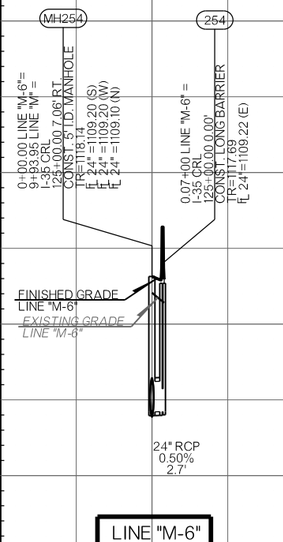
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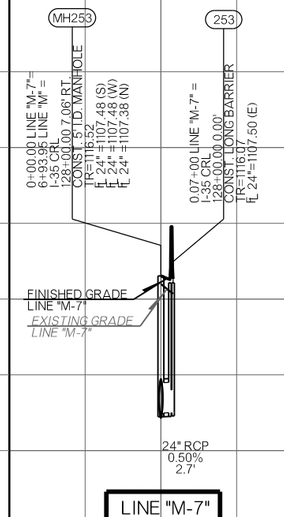


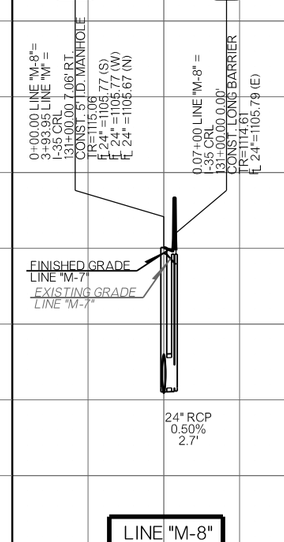


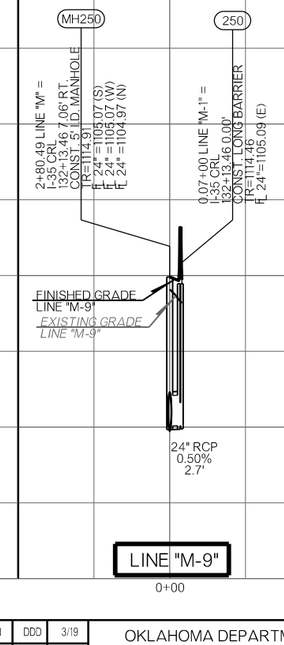












DESIGN	DDD	3/19	OKLAHOMA DEPARTMENT OF TRANSPORTATION
DRAWN	MAM	3/19	
CHECKED	JES	3/19	STORM SEWER PLAN & PROFILE (SHEET 11 OF 12)
APPROVED			
SQUAD	GARVER		

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R115

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

10+00

LINE "M-10"

MH251

0+00.00 LINE "M-10"=
0+90.95 LINE "M" =
I-35 CRL
134+00.00 7.06' RT
CONST. 51" I.D. MANHOLE
TR=1115.32
fL 24"= 1104.04 (S)
fL 24"= 1104.04 (W)
fL 24"= 1103.94 (E)

251

0+07+00 LINE "M-10" =
I-35 CRL
134+00.00 0.00'
CONST. LONG BARRIER
TG=1114.87
fL 24"=1104.09 (E)

FINISHED GRADE
LINE "M-10"

EXISTING GRADE
LINE "M-10"

24" RCP
0.50%
2.7'

LINE "N"

EX/M

2+39.46 LINE "N" =
WATERLOO CRL
EX. RCD-BOX-30
TR=1119.76

6

4+37.11 LINE "N" =
I-35 CRL
136+90.00 149.21' RT
CONST. RCD-BOX-90
TG=1097.80
fL 8'X6' RCB=1078.13 (W)
fL 8'X6' RCB=1078.13 (E)

EXISTING GRADE
LINE "N"

FINISHED GRADE
LINE "N"

MH149

7+62.22 LINE "N" =
RAMP A
01+79.44 99.11' LT
CONST. 12'X12' JCT BOX
TR=1094.82
fL 36"= 1085.45 (N)
fL 36"= 1088.22 (W)
fL 8'X6' RCB =1085.22 (E)

END SECTION

8'X6' RCB
0.51%
225.2'

8'X6' RCB
2.25%
315.1'

2-48" RCP

8'X6' RCB

8'X6' RCB
2.25%
54.8'

LINE "N-1"

1

0+17.32 LINE "N-1" =
I-35 CRL
137+50.00 137.31' LT
CONST. GRATED PIPE INLET
TG=1092.40
fL 18"=1084.76 (N)

EXISTING GRADE
LINE "N-1"

FINISHED GRADE
LINE "M-10"

18" RCP
1.00%
14.1'

LINE "O"

MH130

1+43.13 LINE "O" =
RAMP B
02+26.82' LT
CONST. 81" I.D. MANHOLE
TR=1092.78
fL 36" IN=1078.61 (N)
fL 24" IN=1080.38 (E)
fL 24" IN=1079.70 (NW)
fL 48" OUT=1078.41 (S)

MH129

3+07.72 LINE "O" =
RAMP A
02+98.00 17.25' LT
CONST. 81" I.D. MANHOLE
TR=1093.11
fL 24" IN=1081.68 (N)
fL 36" OUT=1080.33 (S)

FINISHED GRADE
LINE "O"

EXISTING GRADE
LINE "O"

PCES

48" RCP
0.67%
139.1'

36" RCP
1.09%
157.6'

24" RCP
5.54%
37.9'

LINE "P"

8B

1+42.52 LINE "P" =
RAMP A
03+52.79 32.81' RT
CONST. GRATED PIPE INLET
TG=1092.55
fL 30"=1088.90 (W)

FINISHED GRADE
LINE "P"

EXISTING GRADE
LINE "P"

30" RCP
0.55%
141.0'

DESIGN	DDD	3/19	OKLAHOMA DEPARTMENT OF TRANSPORTATION
DRAWN	MAM	3/19	
CHECKED	JES	3/19	STORM SEWER PLAN & PROFILE (SHEET 12 OF 12)
APPROVED			
SQUAD	GARVER		

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R116

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

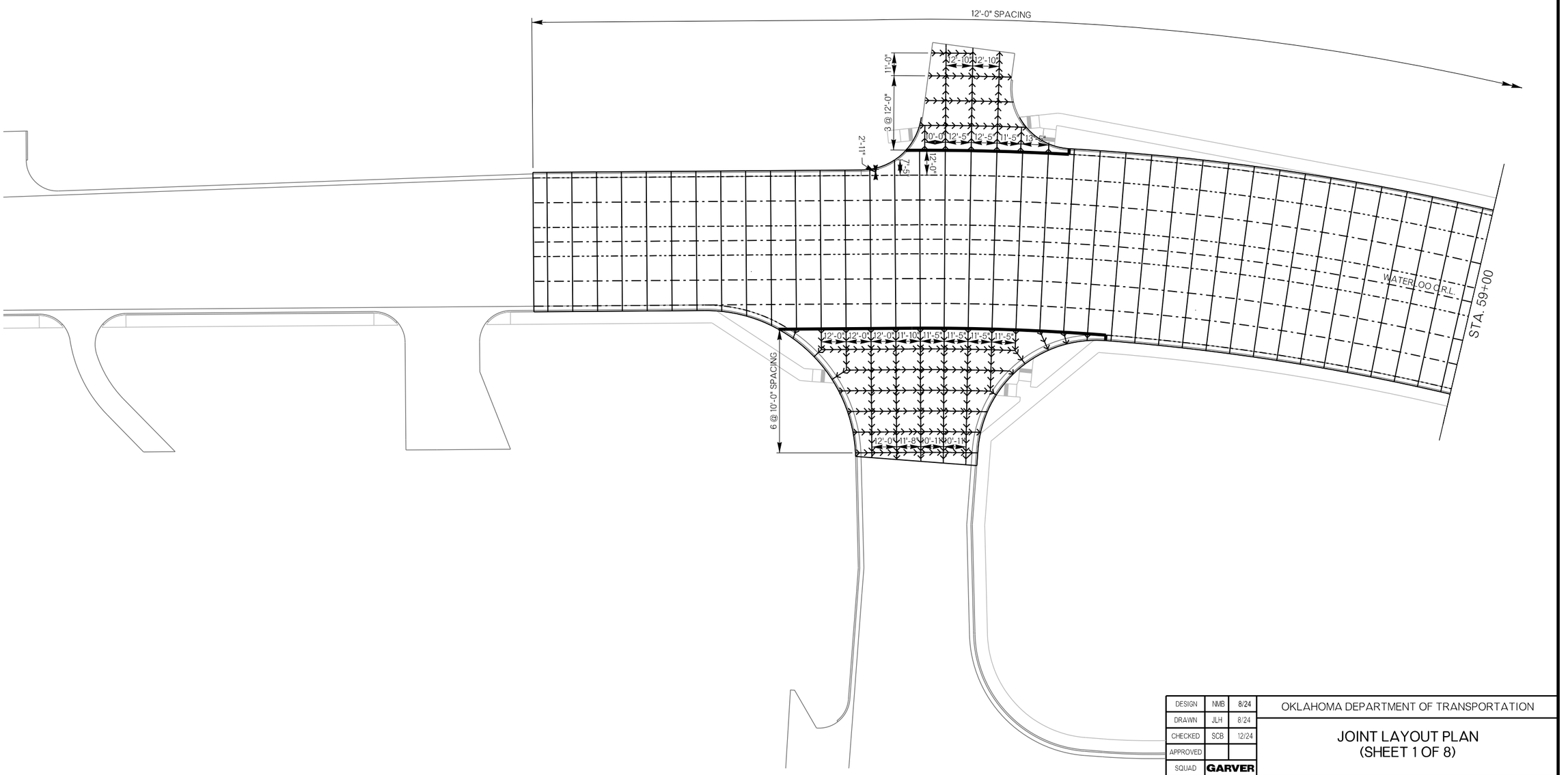
3/28/2025

0 25 50 75

SCALE

LEGEND

- NON-DOWELED CONTRACTION JOINT
- DOWELED CONTRACTION JOINT
- LONGITUDINAL CONTRACTION JOINT
- LONGITUDINAL CONSTRUCTION JOINT / TIED BUTT JOINT
- NON-TIED BUTT JOINT
- ISOLATION JOINT
- REINFORCED PANEL



DESIGN	NMB	8/24
DRAWN	JLH	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

JOINT LAYOUT PLAN (SHEET 1 OF 8)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R117

3/28/2025 9:24:19 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843(04)_JLP_001.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

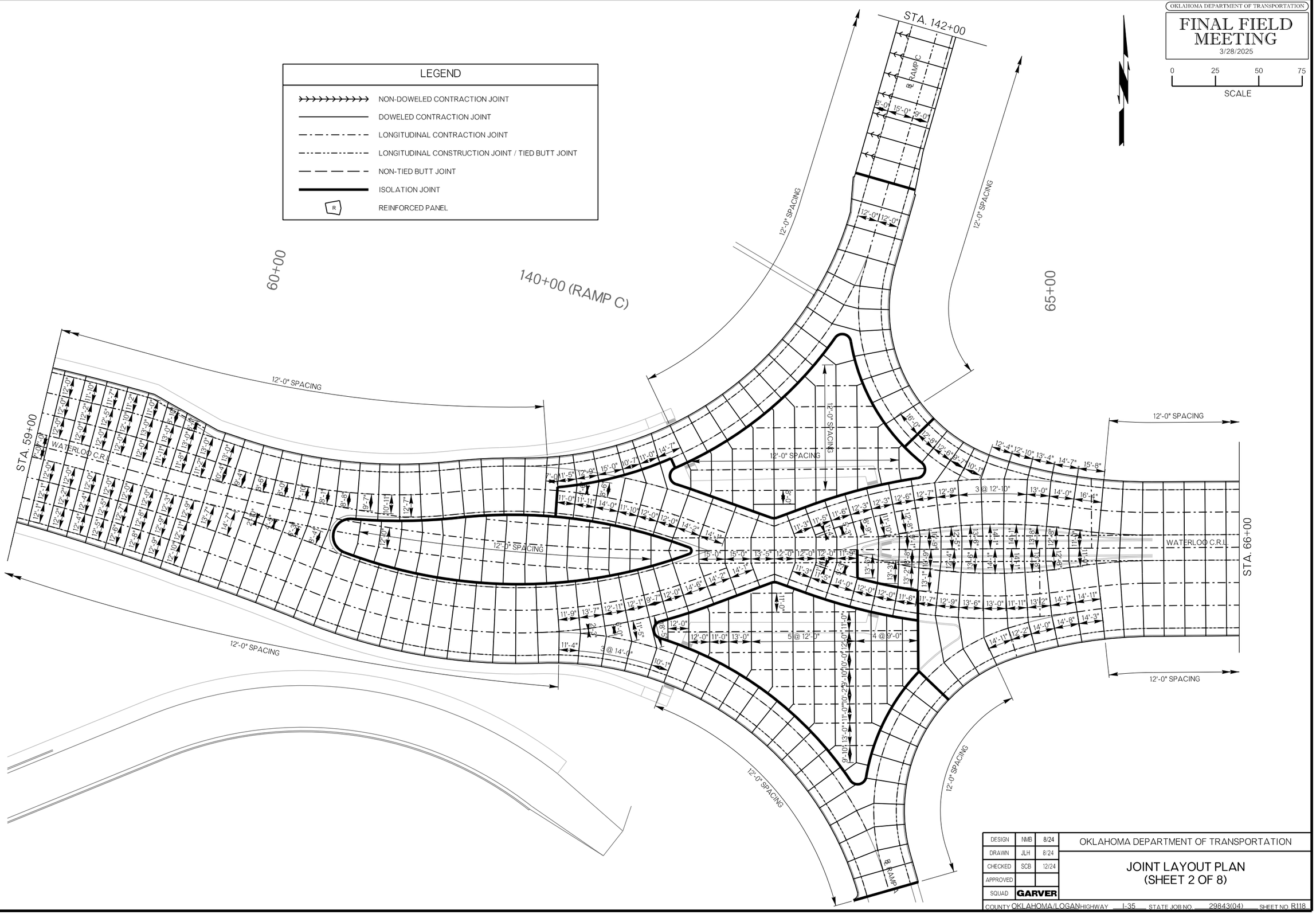
3/28/2025

0 25 50 75

SCALE

LEGEND

- NON-DOWELED CONTRACTION JOINT
- DOWELED CONTRACTION JOINT
- LONGITUDINAL CONTRACTION JOINT
- LONGITUDINAL CONSTRUCTION JOINT / TIED BUTT JOINT
- NON-TIED BUTT JOINT
- ISOLATION JOINT
- R — REINFORCED PANEL


60+00
140+00 (RAMP C)
65+00
STA. 142+00
STA. 59+00
STA. 66+00
WATERLOO C.R.L.
℄ RAMP C
℄ RAMP A
12'-0" SPACING
12'-0" SPACING
12'-0" SPACING

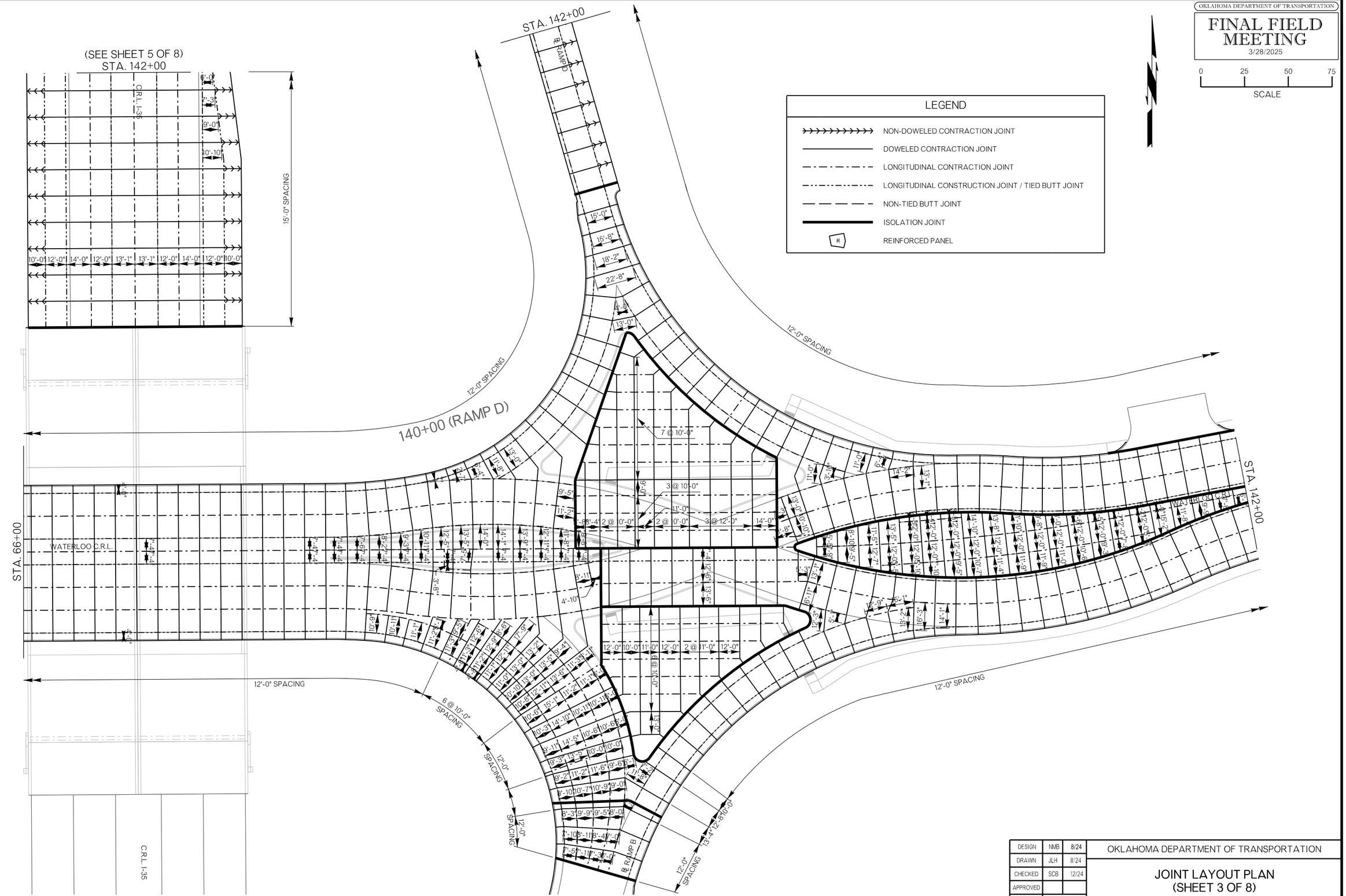
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 25 50 75

SCALE



LEGEND

- NON-DOWELED CONTRACTION JOINT
- DOWELED CONTRACTION JOINT
- LONGITUDINAL CONTRACTION JOINT
- LONGITUDINAL CONSTRUCTION JOINT / TIED BUTT JOINT
- NON-TIED BUTT JOINT
- ISOLATION JOINT
- R — REINFORCED PANEL

DESIGN	NMB	8/24
DRAWN	JLH	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

JOINT LAYOUT PLAN (SHEET 3 OF 8)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO R119

3/28/2025 9:24:26 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843(04)_JLP_003.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

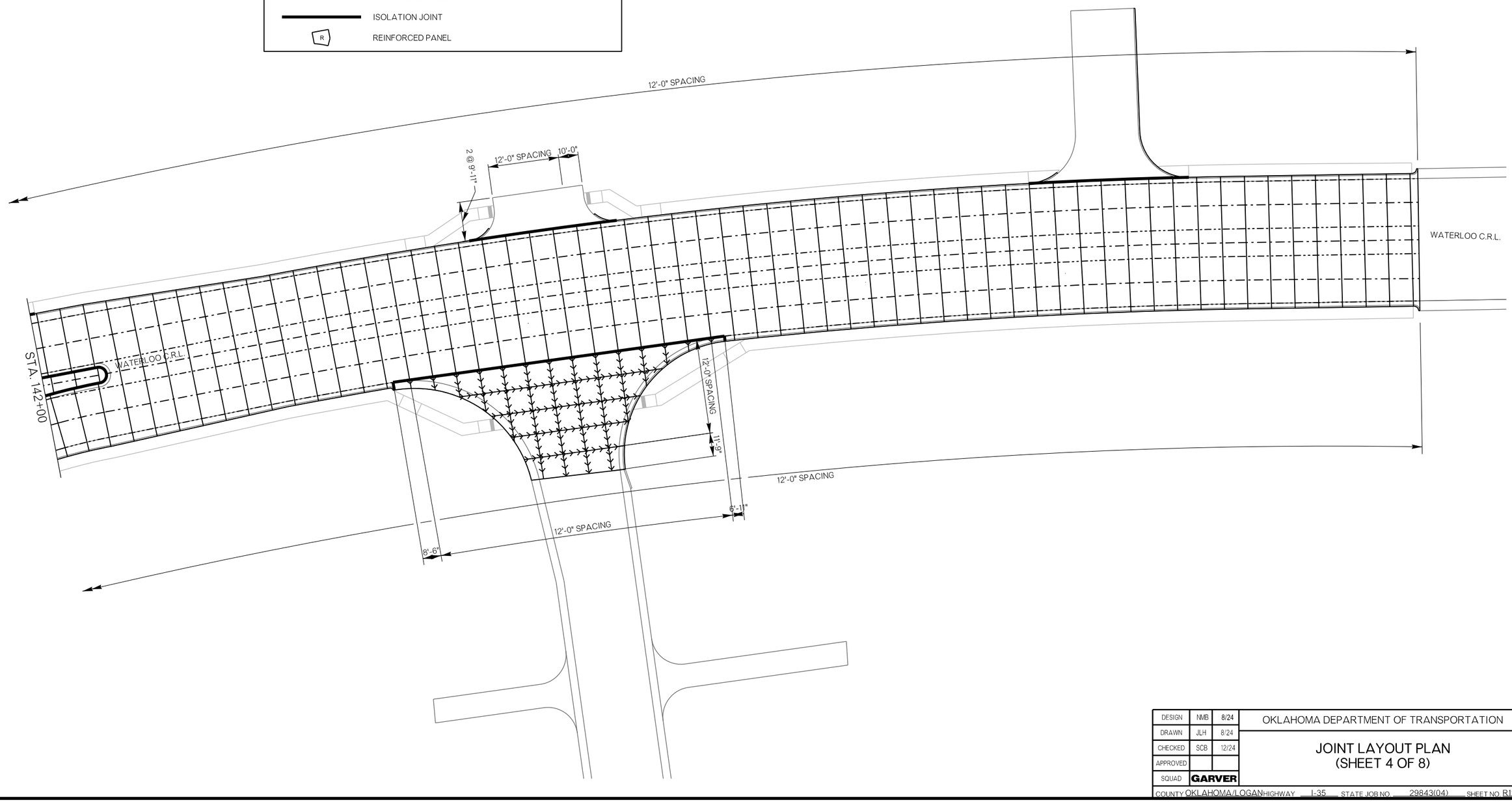
3/28/2025

0 25 50 75

SCALE

LEGEND

- NON-DOWELED CONTRACTION JOINT
- DOWELED CONTRACTION JOINT
- LONGITUDINAL CONTRACTION JOINT
- LONGITUDINAL CONSTRUCTION JOINT / TIED BUTT JOINT
- NON-TIED BUTT JOINT
- ISOLATION JOINT
- R — REINFORCED PANEL



DESIGN	NMB	8/24	OKLAHOMA DEPARTMENT OF TRANSPORTATION
DRAWN	JLH	8/24	JOINT LAYOUT PLAN (SHEET 4 OF 8)
CHECKED	SCB	12/24	
APPROVED			
SQUAD	GARVER		

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R120

3/28/2025 9:24:29 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843(04)_JLP_004.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

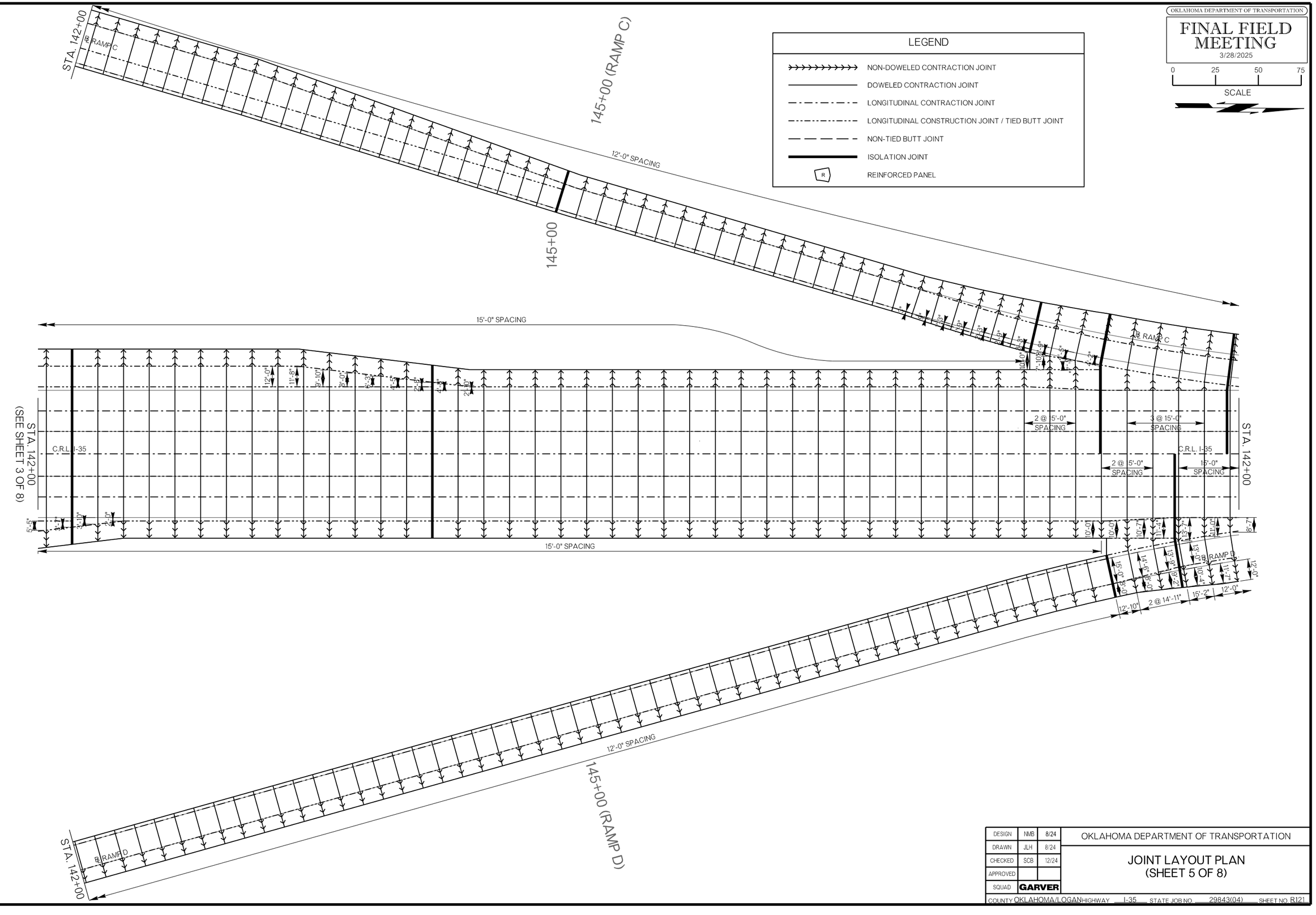
3/28/2025

0 25 50 75

SCALE

LEGEND

- NON-DOWELED CONTRACTION JOINT
- DOWELED CONTRACTION JOINT
- LONGITUDINAL CONTRACTION JOINT
- LONGITUDINAL CONSTRUCTION JOINT / TIED BUTT JOINT
- NON-TIED BUTT JOINT
- ISOLATION JOINT
- R — REINFORCED PANEL



DESIGN	NMB	8/24
DRAWN	JLH	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

JOINT LAYOUT PLAN (SHEET 5 OF 8)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO R121

3/28/2025 9:24:31 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843(04)_JLP_005.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 25 50 75

SCALE

LEGEND

- NON-DOWELED CONTRACTION JOINT
- DOWELED CONTRACTION JOINT
- LONGITUDINAL CONTRACTION JOINT
- LONGITUDINAL CONSTRUCTION JOINT / TIED BUTT JOINT
- NON-TIED BUTT JOINT
- ISOLATION JOINT
- R — REINFORCED PANEL

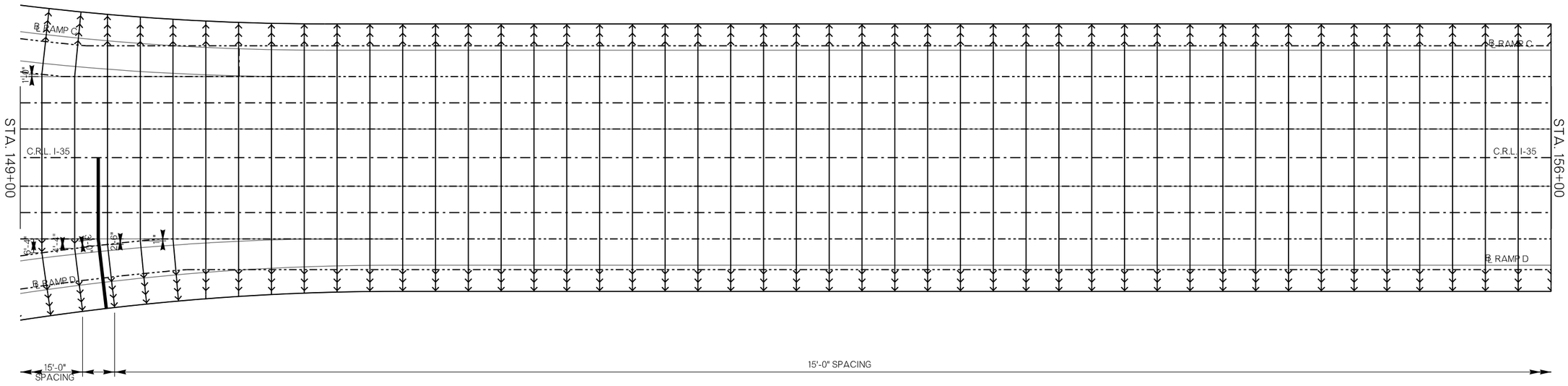
150+00

150+00 (RAMP C)

155+00

155+00 (RAMP C)

15'-0" SPACING



150+00 (RAMP D)

155+00 (RAMP D)

DESIGN	NMB	8/24
DRAWN	JLH	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

JOINT LAYOUT PLAN
(SHEET 6 OF 8)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO R122

3/28/2025 9:24:33 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843(04)_JLP_006.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

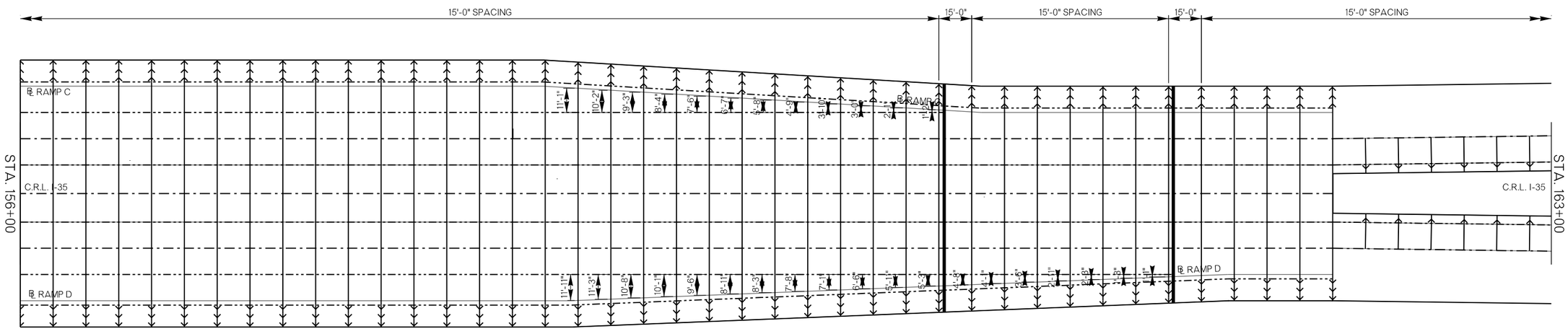
0 25 50 75

SCALE

LEGEND	
	NON-DOWELED CONTRACTION JOINT
	DOWELED CONTRACTION JOINT
	LONGITUDINAL CONTRACTION JOINT
	LONGITUDINAL CONSTRUCTION JOINT / TIED BUTT JOINT
	NON-TIED BUTT JOINT
	ISOLATION JOINT
R	REINFORCED PANEL

160+00

160+00 (RAMP C)



160+00 (RAMP D)

DESIGN	NMB	8/24	OKLAHOMA DEPARTMENT OF TRANSPORTATION
DRAWN	JLH	8/24	
CHECKED	SCB	12/24	JOINT LAYOUT PLAN (SHEET 7 OF 8)
APPROVED			
SQUAD	GARVER		

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R123

3/28/2025 9:24:36 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843(04)_JLP_007.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

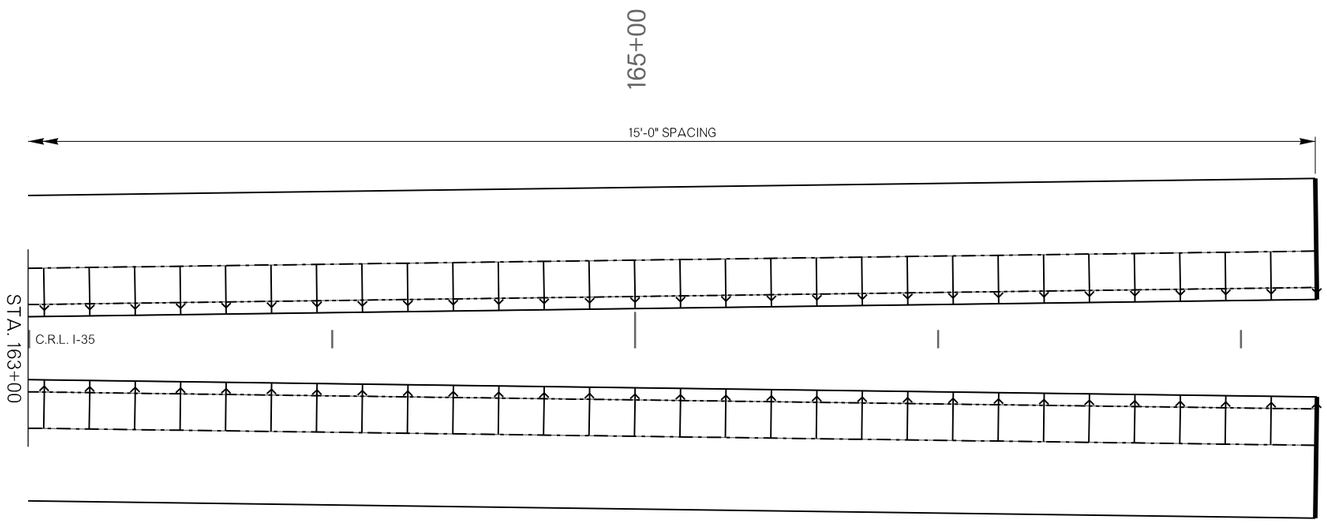
3/28/2025

0 25 50 75

SCALE

LEGEND

- NON-DOWELED CONTRACTION JOINT
- DOWELED CONTRACTION JOINT
- LONGITUDINAL CONTRACTION JOINT
- LONGITUDINAL CONSTRUCTION JOINT / TIED BUTT JOINT
- NON-TIED BUTT JOINT
- ISOLATION JOINT
- R — REINFORCED PANEL



DESIGN	NMB	8/24
DRAWN	JLH	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

JOINT LAYOUT PLAN (SHEET 8 OF 8)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R124

3/28/2025 9:24:38 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843(04)_JLP_008.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

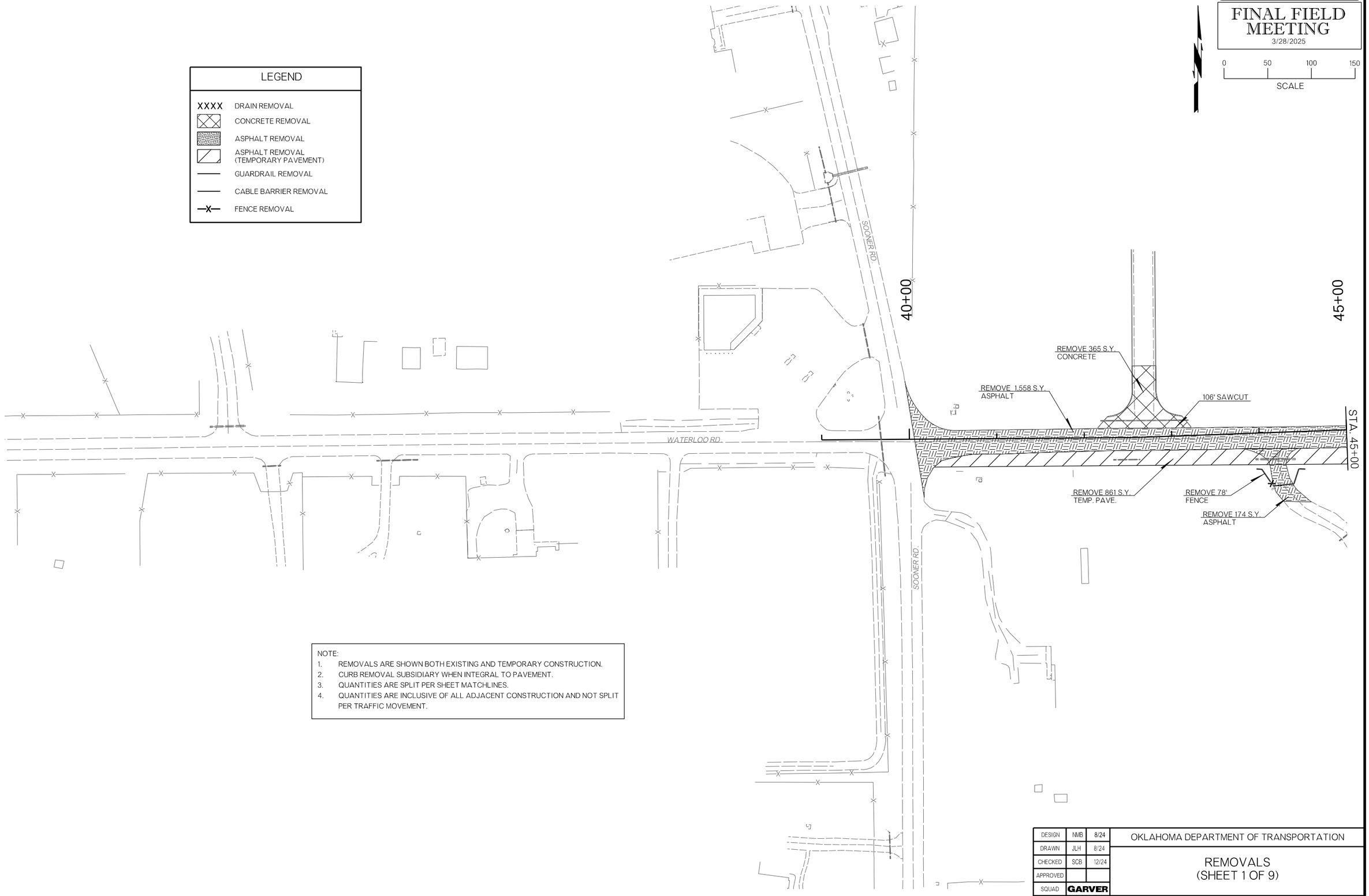
3/28/2025

0 50 100 150

SCALE

LEGEND

- XXXX DRAIN REMOVAL
- CONCRETE REMOVAL
- ASPHALT REMOVAL
- ASPHALT REMOVAL (TEMPORARY PAVEMENT)
- GUARDRAIL REMOVAL
- CABLE BARRIER REMOVAL
- FENCE REMOVAL



NOTE:

1. REMOVALS ARE SHOWN BOTH EXISTING AND TEMPORARY CONSTRUCTION.
2. CURB REMOVAL SUBSIDIARY WHEN INTEGRAL TO PAVEMENT.
3. QUANTITIES ARE SPLIT PER SHEET MATCHLINES.
4. QUANTITIES ARE INCLUSIVE OF ALL ADJACENT CONSTRUCTION AND NOT SPLIT PER TRAFFIC MOVEMENT.

DESIGN	NMB	8/24
DRAWN	JLH	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

REMOVALS
(SHEET 1 OF 9)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R125

3/28/2025 9:24:41 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843(04)_REM_001.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

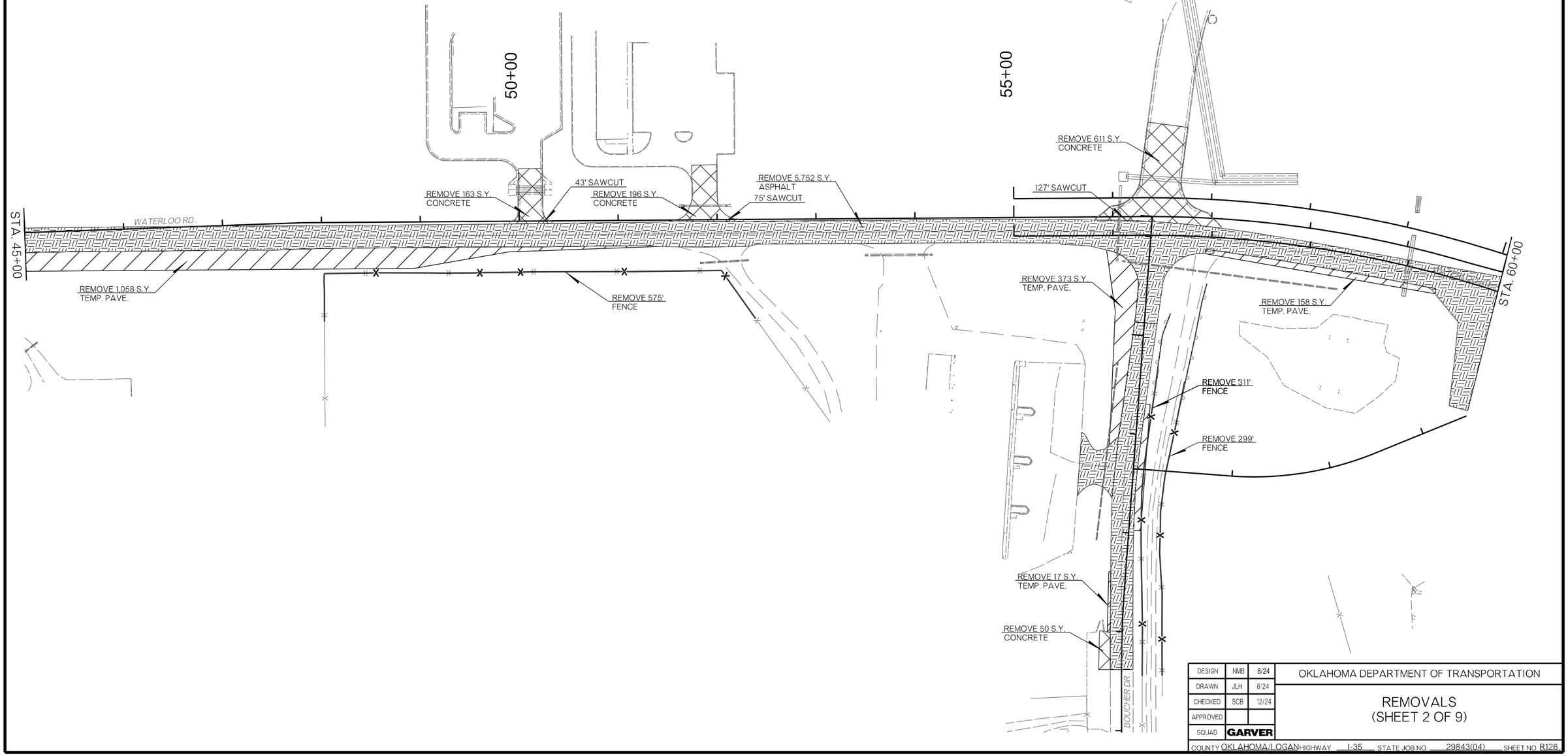
3/28/2025

0 50 100 150

SCALE

LEGEND

- XXXX DRAIN REMOVAL
- CONCRETE REMOVAL
- ASPHALT REMOVAL
- ASPHALT REMOVAL (TEMPORARY PAVEMENT)
- GUARDRAIL REMOVAL
- CABLE BARRIER REMOVAL
- —X— FENCE REMOVAL



DESIGN	NMB	8/24
DRAWN	JLH	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

REMOVALS (SHEET 2 OF 9)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO R126

3/28/2025 9:24:44 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843(04)_REM_002.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 50 100 150

SCALE

LEGEND

- XXXX DRAIN REMOVAL
- CONCRETE REMOVAL
- ASPHALT REMOVAL
- ASPHALT REMOVAL (TEMPORARY PAVEMENT)
- GUARDRAIL REMOVAL
- CABLE BARRIER REMOVAL
- FENCE REMOVAL

(SEE REMOVALS SHEET 8 OF 9)

STA. 142+00

65+00

140+00

135+00

70+00

STA. 60+00

STA. 75+00

WATERLOO RD.

S.B. I-35 RAMP

N.B. I-35 RAMP

C.R.L. I-35

NORTH FRONTAGE RD.

INDUSTRIAL BLVD.

REMOVE 75' GUARDRAIL
REMOVE 282' FENCE
REMOVE 158 S.Y. ASPHALT
926' SAWCUT
REMOVE 39 S.Y. TEMP. PAVE.
REMOVE 535 S.Y. TEMP. PAVE.
REMOVE 725 S.Y. CONCRETE
219' SAWCUT
REMOVE 64 S.Y. TEMP. PAVE.
132' SAWCUT
REMOVE 119 S.Y. CONCRETE
REMOVE 2,270 S.Y. CONCRETE
REMOVE 39 S.Y. TEMP. PAVE.
REMOVE 135' FENCE
REMOVE 58 S.Y. TEMP. PAVE.
REMOVE 47 S.Y. TEMP. PAVE.
REMOVE 82' GUARDRAIL
REMOVE 38 S.Y. ASPHALT
REMOVE 758 S.Y. CONCRETE
REMOVE 151' GUARDRAIL
REMOVE 236' GUARDRAIL
REMOVE 531 S.Y. TEMP. PAVE.
39' SAWCUT
REMOVE 271 S.Y. ASPHALT
REMOVE 3,687 S.Y. TEMP. PAVE.
REMOVE 494 S.Y. TEMP. PAVE.
REMOVE 75' GUARDRAIL
REMOVE 855 S.Y. TEMP. PAVE.
REMOVE 546 S.Y. TEMP. PAVE.
REMOVE 554 S.Y. TEMP. PAVE.
REMOVE 467 S.Y. TEMP. PAVE.
REMOVE 2,385 S.Y. ASPHALT
REMOVE 226' CABLE BARRIER
REMOVE 729 S.Y. CONCRETE
38' SAWCUT
REMOVE 270 S.Y. ASPHALT
REMOVE 75' GUARDRAIL
REMOVE 9,960 S.Y. ASPHALT
REMOVE 751 S.Y. TEMP. PAVE.
REMOVE 138' GUARDRAIL
REMOVE 401' GUARDRAIL
REMOVE 522 S.Y. TEMP. PAVE.
REMOVE 518' CABLE BARRIER
REMOVE 2,536 S.Y. ASPHALT
REMOVE 807' GUARDRAIL
REMOVE 1,963 S.Y. CONCRETE
1,501' SAWCUT
REMOVE 681 S.Y. CONCRETE
REMOVE 283 S.Y. TEMP. PAVE.
REMOVE 111 S.Y. TEMP. PAVE.
117' SAWCUT
295' SAWCUT
REMOVE 1,844 S.Y. CONCRETE
REMOVE 64 S.Y. CONCRETE
REMOVE 619 S.Y. CONCRETE
REMOVE 498 S.Y. TEMP. PAVE.
REMOVE 2,610' FENCE
REMOVE 243' FENCE
REMOVE 101' FENCE

STA. 133+00
(SEE REMOVALS SHEET 7 OF 9)

DESIGN	NMB	8/24
DRAWN	JLH	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

REMOVALS (SHEET 3 OF 9)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO R127

3/28/2025 9:24:46 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843(04)_REM_003.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 50 100 150

SCALE

LEGEND

- XXXX DRAIN REMOVAL
- CONCRETE REMOVAL
- ASPHALT REMOVAL
- ASPHALT REMOVAL (TEMPORARY PAVEMENT)
- GUARDRAIL REMOVAL
- CABLE BARRIER REMOVAL
- FENCE REMOVAL

80+00

85+00

REMOVE 407 S.Y. CONCRETE

REMOVE 3,559 S.Y. ASPHALT

131' SAWCUT

168' SAWCUT

REMOVE 239 S.Y. CONCRETE

REMOVE 909' FENCE

WATERLOO RD.

STA. 75+00

REMOVE 1897' FENCE

REMOVE 634' FENCE

3/28/2025 9:24:49 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843(04)_REM_004.dgn

DESIGN	NMB	8/24
DRAWN	JLH	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

REMOVALS
(SHEET 4 OF 9)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R128

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

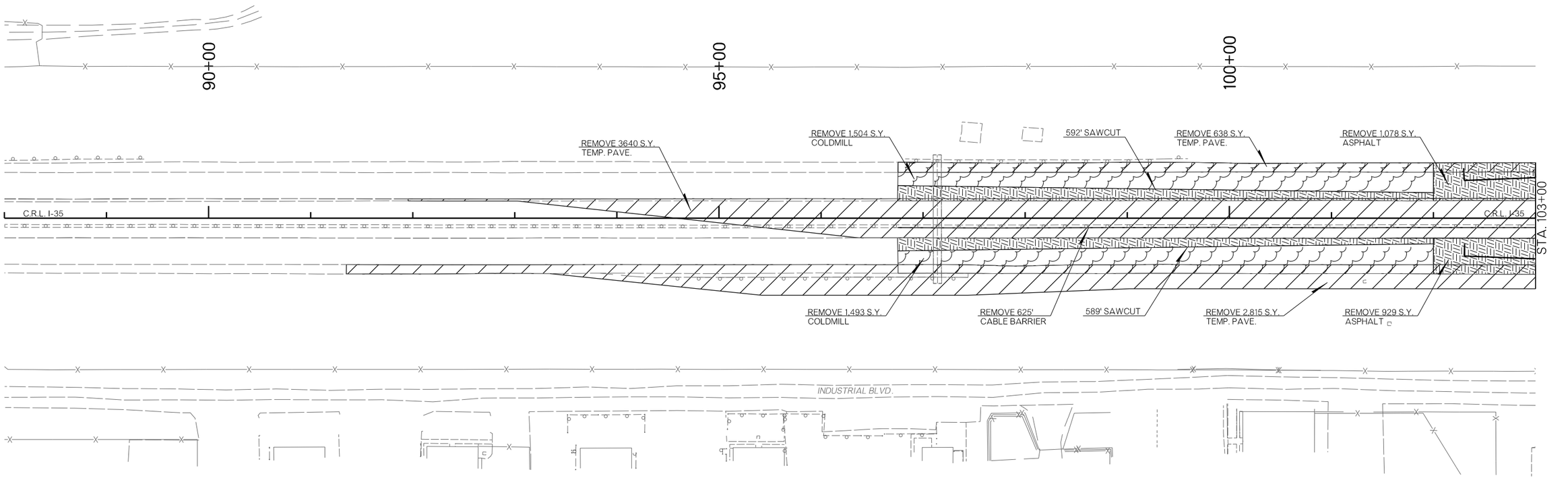
3/28/2025

0 50 100 150

SCALE

LEGEND

- XXXX DRAIN REMOVAL
- CONCRETE REMOVAL
- ASPHALT REMOVAL
- ASPHALT REMOVAL (TEMPORARY PAVEMENT)
- GUARDRAIL REMOVAL
- CABLE BARRIER REMOVAL
- FENCE REMOVAL



DESIGN	NMB	8/24
DRAWN	JLH	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

REMOVALS
(SHEET 5 OF 9)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R129

3/28/2025 9:24:52 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843(04)_REM_005.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

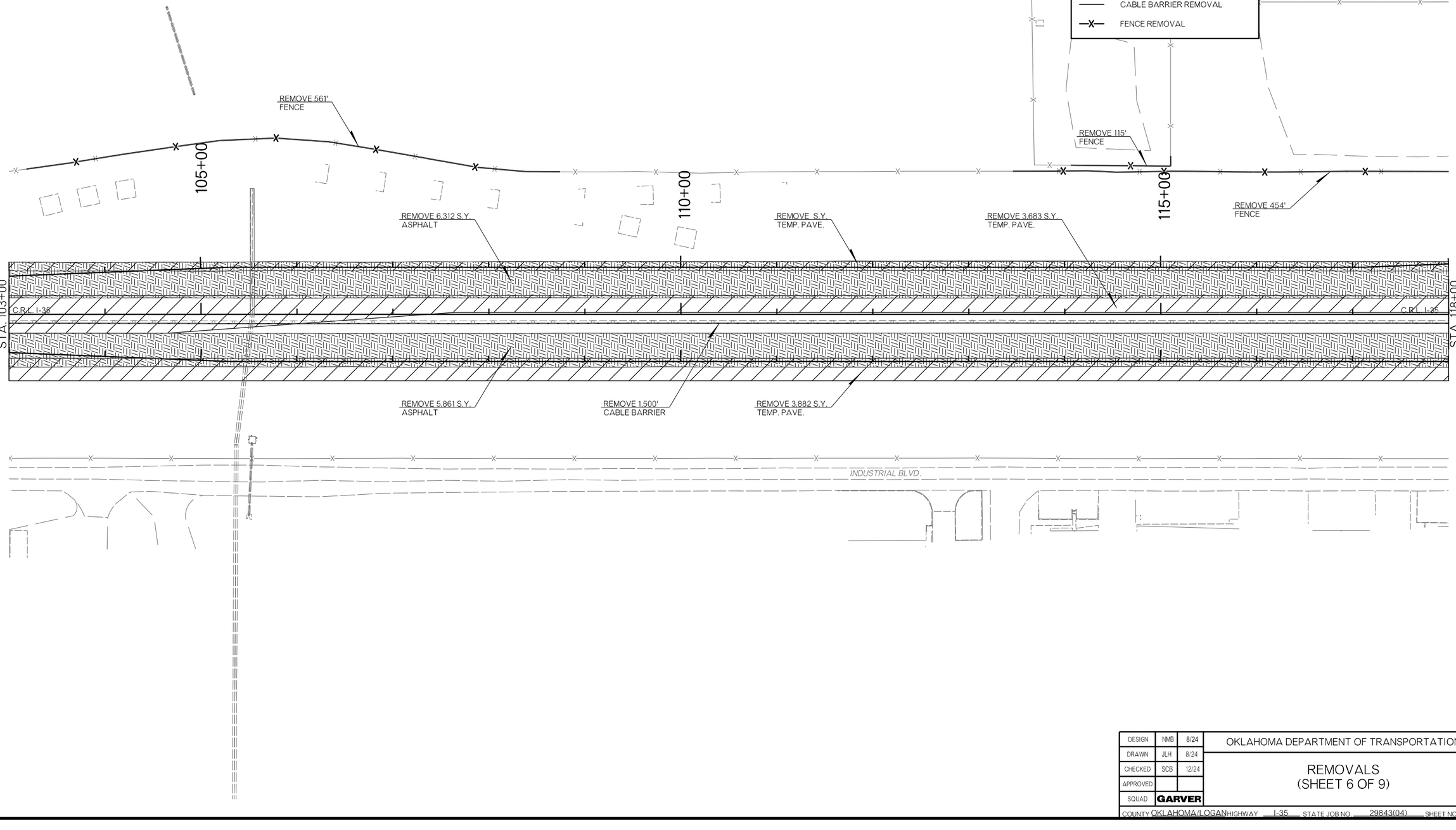
3/28/2025

0 50 100 150

SCALE

LEGEND

- XXXX DRAIN REMOVAL
- CONCRETE REMOVAL
- ASPHALT REMOVAL
- ASPHALT REMOVAL (TEMPORARY PAVEMENT)
- GUARDRAIL REMOVAL
- CABLE BARRIER REMOVAL
- FENCE REMOVAL



DESIGN	NMB	8/24
DRAWN	JLH	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

REMOVALS
(SHEET 6 OF 9)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R130

3/28/2025 9:24:54 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843(04)_REM_006.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 50 100 150

SCALE

LEGEND

- XXXX DRAIN REMOVAL
- CONCRETE REMOVAL
- ASPHALT REMOVAL
- ASPHALT REMOVAL (TEMPORARY PAVEMENT)
- GUARDRAIL REMOVAL
- CABLE BARRIER REMOVAL
- FENCE REMOVAL

NORTH FRONTAGE RD.

INDUSTRIAL BLVD.

120+00

125+00

130+00

STA. 118+00

STA. 133+00

(SEE REMOVALS SHEET 3 OF 9)

C.R.L. I-35

REMOVE 46' FENCE

REMOVE 273 S.Y. TEMP. PAVE.

REMOVE 5,554 S.Y. TEMP. PAVE.

REMOVE 7,349 S.Y. ASPHALT

REMOVE 541' FENCE

REMOVE S.Y. CONCRETE

REMOVE S.Y. TEMP. PAVE.

REMOVE 2,782 S.Y. TEMP. PAVE.

REMOVE 6,611 S.Y. ASPHALT

REMOVE 1,500' CABLE BARRIER

REMOVE 424 S.Y. TEMP. PAVE.

101' SAWCUT

REMOVE 722 S.Y. CONCRETE

DESIGN	NMB	8/24
DRAWN	JLH	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

REMOVALS
(SHEET 7 OF 9)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R131

3/28/2025 9:24:56 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843(04)_REM_007.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 50 100 150

SCALE

LEGEND

- XXXX DRAIN REMOVAL
- CONCRETE REMOVAL
- ASPHALT REMOVAL
- ASPHALT REMOVAL (TEMPORARY PAVEMENT)
- GUARDRAIL REMOVAL
- CABLE BARRIER REMOVAL
- FENCE REMOVAL



REMOVE 267' FENCE

REMOVE 29' GUARDRAIL

REMOVE 347 S.Y. ASPHALT

REMOVE 199 S.Y. TEMP. PAVE.

930' SAWCUT

145+00

150+00

REMOVE 1,064' FENCE

155+00

REMOVE 8,048 S.Y. CONCRETE

REMOVE 3,105 S.Y. TEMP. PAVE.

(SEE REMOVALS SHEET 3 OF 9) STA. 142+00

℄ R.L. I-35

STA. 157+00

REMOVE 8,899 S.Y. CONCRETE

REMOVE 1,500' CABLE BARRIER

REMOVE 3,106 S.Y. TEMP. PAVE.

1,394' SAWCUT

REMOVE 569 S.Y. ASPHALT

REMOVE 1,500' FENCE

REMOVE 3' FENCE

REMOVE 70' FENCE

DESIGN	NMB	8/24
DRAWN	JLH	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

REMOVALS (SHEET 8 OF 9)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R132

3/28/2025 9:24:59 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843(04)_REM_008.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

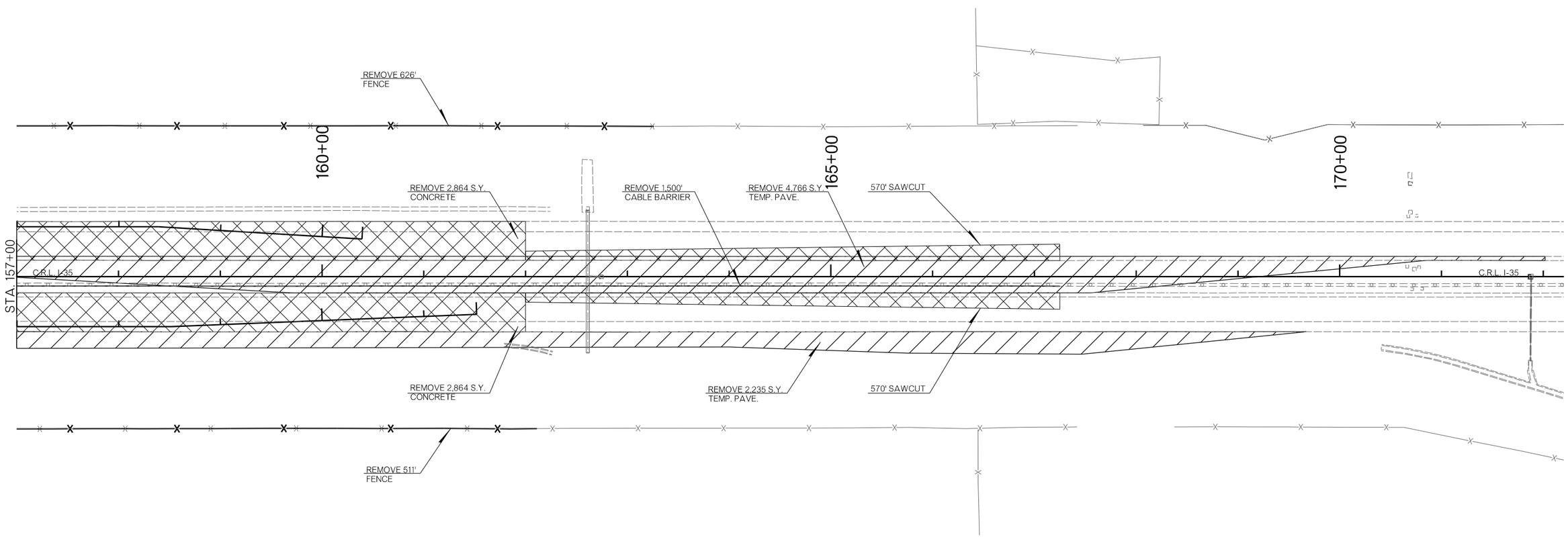
3/28/2025

0 50 100 150

SCALE

LEGEND

- XXXX DRAIN REMOVAL
- CONCRETE REMOVAL
- ASPHALT REMOVAL
- ASPHALT REMOVAL (TEMPORARY PAVEMENT)
- GUARDRAIL REMOVAL
- CABLE BARRIER REMOVAL
- FENCE REMOVAL



DESIGN	XXX	XXX	OKLAHOMA DEPARTMENT OF TRANSPORTATION
DRAWN	XXX	XXX	
CHECKED	XXX	XXX	REMOVALS (SHEET 9 OF 9)
APPROVED			
SQUAD	GARVER		

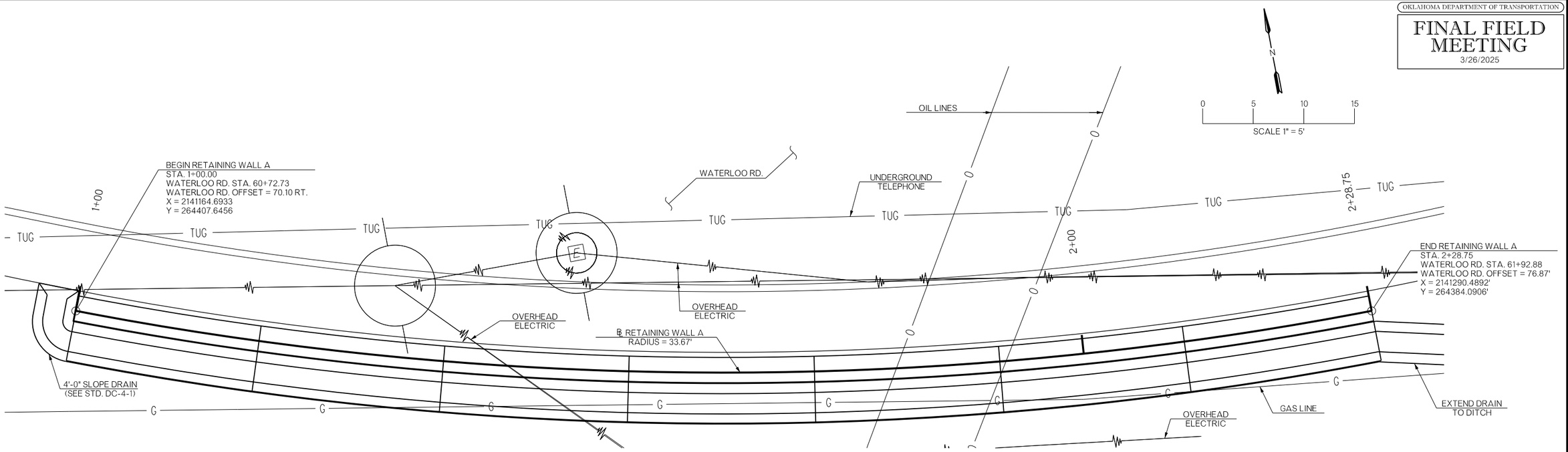
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R133

3/28/2025 9:25:02 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843(04)_REM_009.dgn

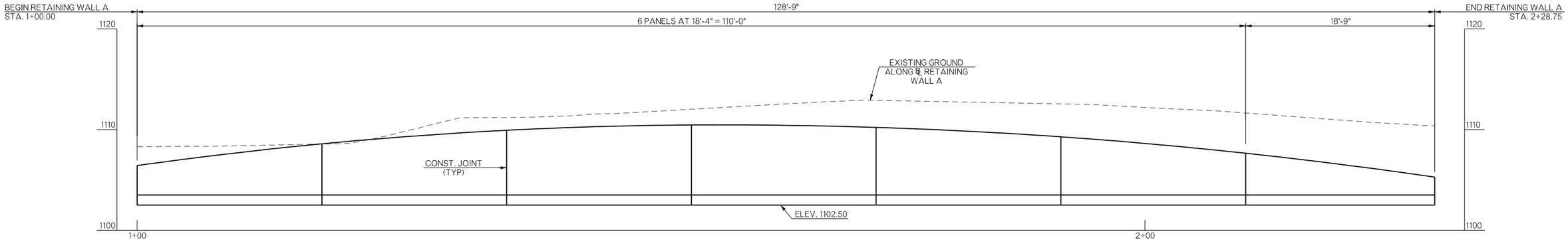
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

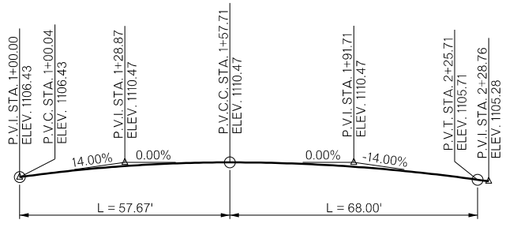
3/26/2025



PLAN



ELEVATION



VERTICAL CURVE PROFILE DATA

NOTE:
DIMENSIONS MEASURED ALONG ROADWAY FACE OF RETAINING WALL.

DESIGN	WDW	10/24
DRAWN	DSP	10/24
CHECKED	DPE	2/25
APPROVED	DPE	2/25
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

RETAINING WALL A
PLAN AND ELEVATION

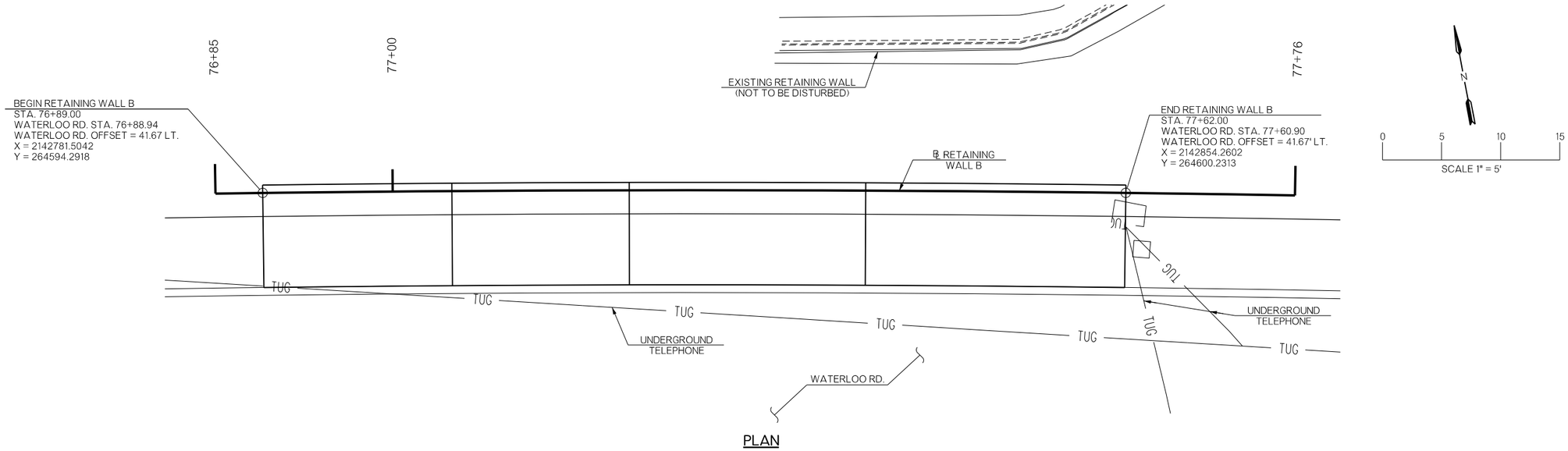
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R134

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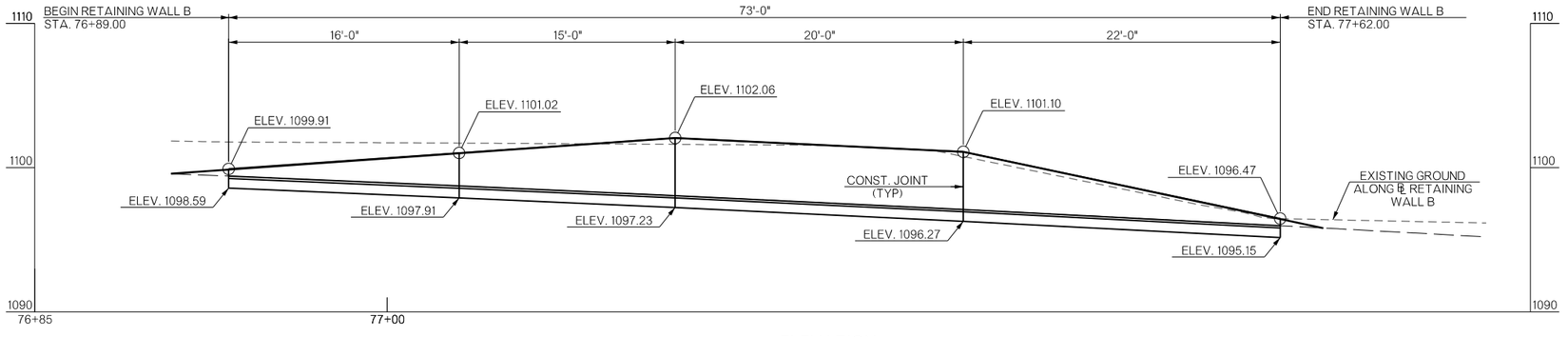
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/26/2025



PLAN



ELEVATION

NOTE:
DIMENSIONS MEASURED ALONG ROADWAY FACE OF RETAINING WALL.

DESIGN	WDW	10/24
DRAWN	DSP	10/24
CHECKED	DPE	2/25
APPROVED	DPE	2/25
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

RETAINING WALL B
PLAN AND ELEVATION

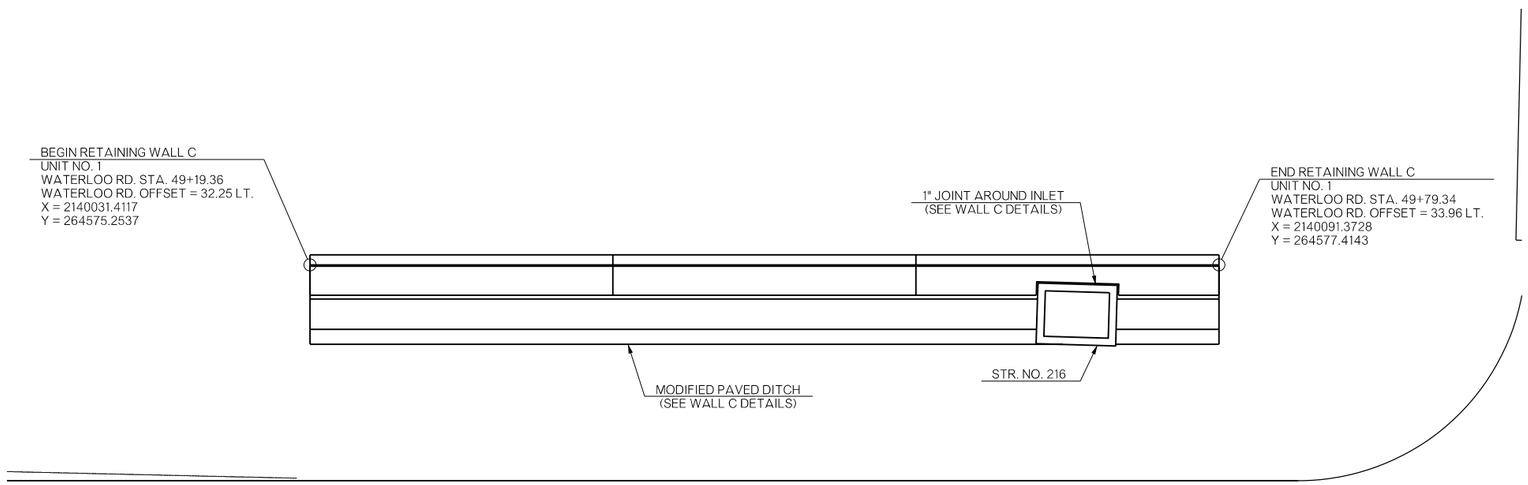
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R135

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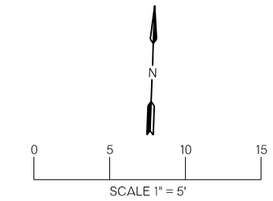
OKLAHOMA DEPARTMENT OF TRANSPORTATION

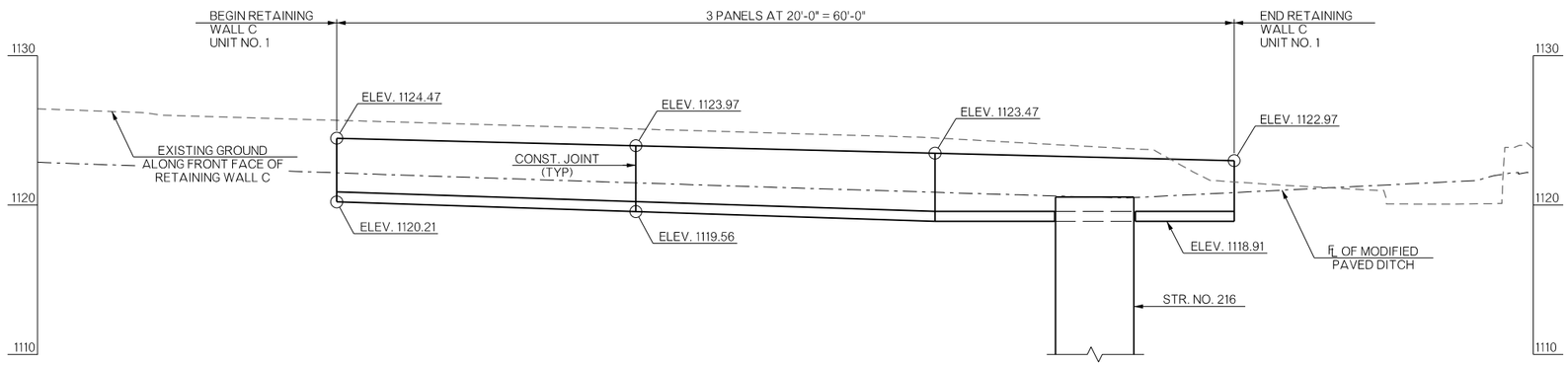
FINAL FIELD MEETING

3/26/2025



PLAN





ELEVATION

DESIGN	DPE	3/25
DRAWN	SJL	3/25
CHECKED	DPE	3/25
APPROVED	DPE	3/25
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

RETAINING WALL C PLAN AND ELEVATION (SHEET 1 OF 2)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R136

3/26/2025 11:57:30 L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\Bridge\29843O4-RETAINING WALL C PLAN AND ELEVATION 1.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

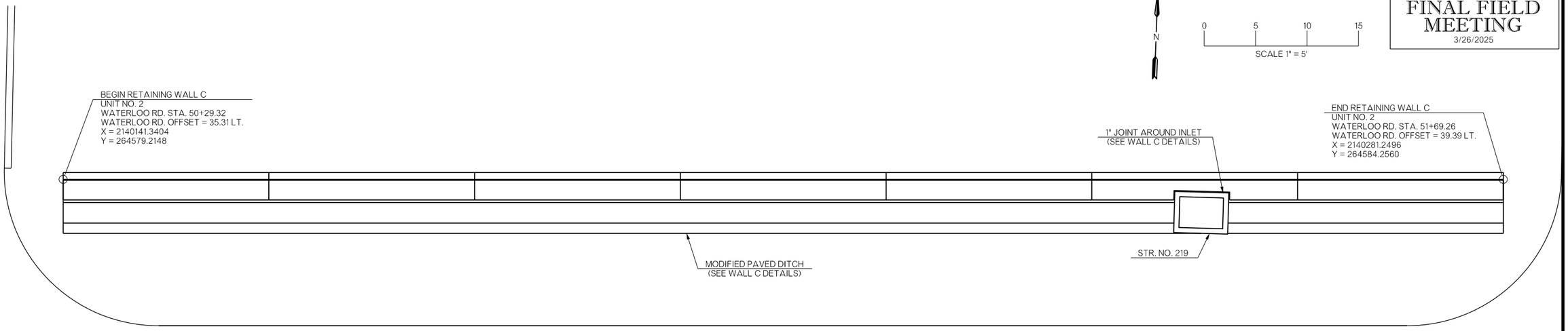
FINAL FIELD MEETING

3/26/2025

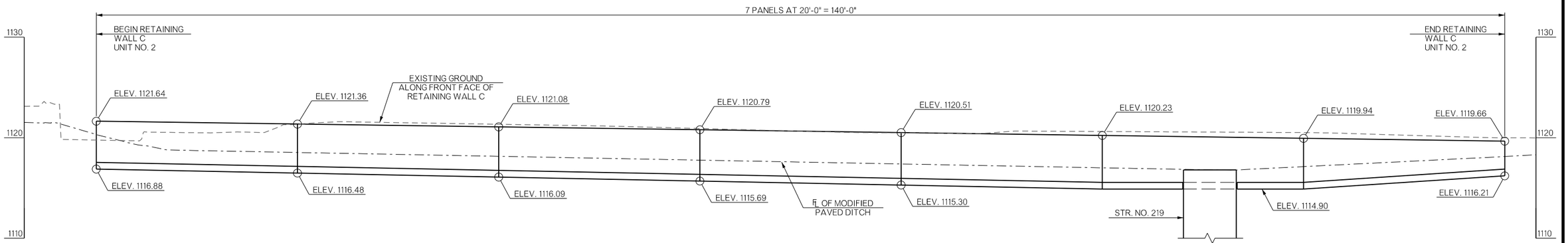
N

0 5 10 15

SCALE 1" = 5'



PLAN



ELEVATION

DESIGN	DPE	3/25
DRAWN	SJL	3/25
CHECKED	DPE	3/25
APPROVED	DPE	3/25
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

RETAINING WALL C PLAN AND ELEVATION (SHEET 2 OF 2)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R137

3/26/2025 11:57:31 L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\Bridge\29843O4-RETAINING WALL C PLAN AND ELEVATION 2.dgn

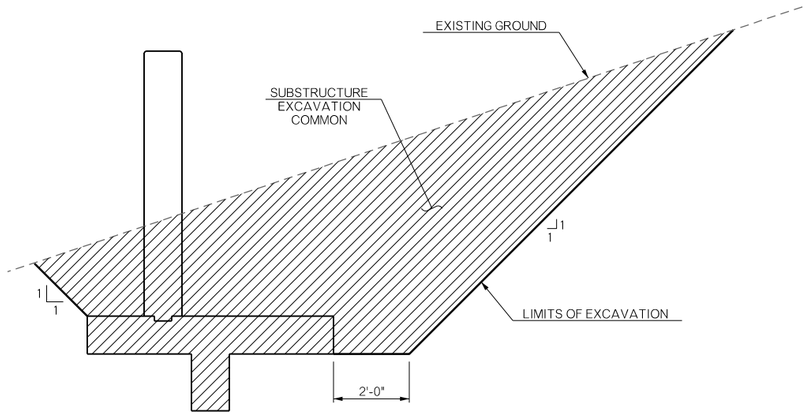
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/26/2025

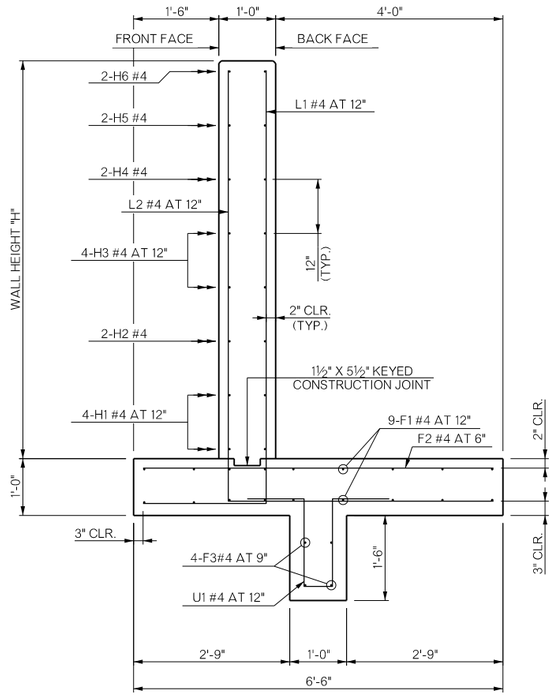
SUMMARY OF QUANTITIES - RETAINING WALL A		
ITEM	UNIT	TOTAL
(5) RETAINING WALL	SY	78.00

BAR LIST - RETAINING WALL A					
MARK	SIZE	NO.	FORM	LENGTH	LENGTH VARIATION
REINFORCING STEEL					
(1) F1	#4	18	STR.	135'-1"	-
F2	#4	273	STR.	6'-1"	-
(1) F3	#4	4	STR.	134'-0"	-
(1) H1	#4	4	STR.	133'-7"	-
(1) H2	#4	2	STR.	129'-9"	-
(3)(2) H3	#4	4	STR.	108'-4½" AVG.	99'-11" TO 116'-10"
(2) H4	#4	2	STR.	79'-3"	-
H5	#4	2	STR.	47'-8"	-
(1) H6	#4	2	BENT	134'-0"	-
L1	#4	140	BENT	"H" + 2'-8"	-
L2	#4	140	BENT	"H" + 5'-3"	-
U1	#4	140	BENT	5'-8"	-

(1) INCLUDES TWO 2'-5" LAP LENGTHS
(2) INCLUDES ONE 2'-5" LAP LENGTH
(3) TWO SETS OF 2



EXCAVATION DETAIL



TYPICAL WALL SECTION

(5) ALL COSTS ASSOCIATED WITH THE CONSTRUCTION OF THE RETAINING WALL INCLUDING CLASS A CONCRETE, REINFORCING STEEL, EXCAVATION, GRANULAR BACKFILL MATERIAL, FILTER FABRIC, PERFORATED AND NON-PERFORATED PIPE UNDERDRAIN, GRAFFITI TREATMENT, LABOR, EQUIPMENT, MATERIALS AND OTHER INCIDENTALS SHALL BE INCLUDED IN THE PRICE BID PER S.Y. OF "RETAINING WALL".

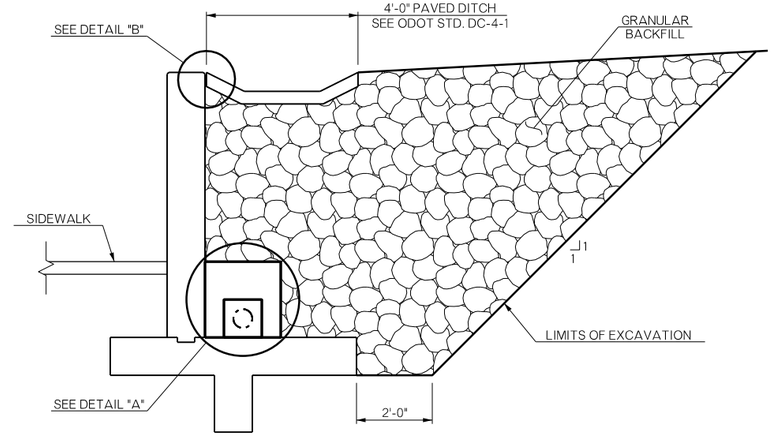
THE ESTIMATED QUANTITIES OF MATERIALS IN THE RETAINING WALL ARE AS FOLLOWS:

SUBSTRUCTURE EXCAVATION COMMON	740.00 C.Y.
GRANULAR BACKFILL	340.00 C.Y.
CLASS A CONCRETE	64.00 C.Y.
REINFORCING STEEL	6,540.00 LB.
6" PERFORATED PIPE UNDERDRAIN ROUND	130.00 L.F.
6" NON-PERF. PIPE UNDERDRAIN RND.	10.00 L.F.
PIPE UNDERDRAIN COVER MATERIAL	20.00 C.Y.

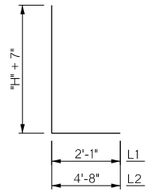
DESIGN DATA
(LOAD AND RESISTANCE FACTOR DESIGN)

DESIGN: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 9TH EDITION.

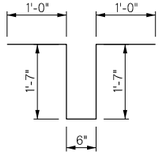
CLASS A CONCRETE	F'C = 3,000 P.S.I.
REINFORCING STEEL (GRADE 60)	FY = 60,000 P.S.I.



BACKFILL DETAIL



L1 #4 x "H" +2'-8"
L2 #4 x "H" + 5'-3"

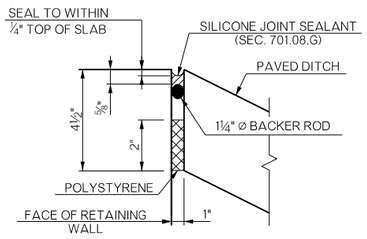


U1 #4 x 5'-8"

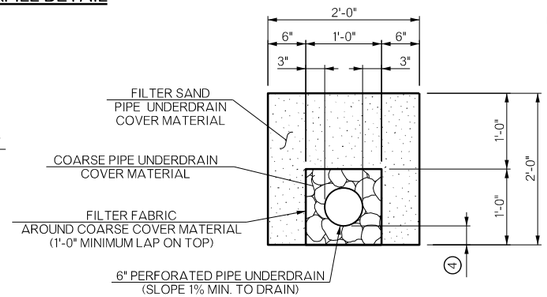
NOTES:
FIELD BEND H AND F BARS TO FOLLOW CURVATURE OF RETAINING WALL.

SPACING OF TRANSVERSE BARS SHALL BE TAKEN ALONG THE BACK FACE OF THE RETAINING WALL.

ATTACH 6" NON-PERFORATED PIPE TO THE 6" PERFORATED PIPE AT THE LOW END OF THE WALL. RUN TO DAYLIGHT OR TO NEARBY STORM SEWER STRUCTURE TO DRAIN. INCLUDE COST OF CONNECTING TO DRAINAGE STRUCTURE IN THE PRICE BID PER S.Y. OF "RETAINING WALL".

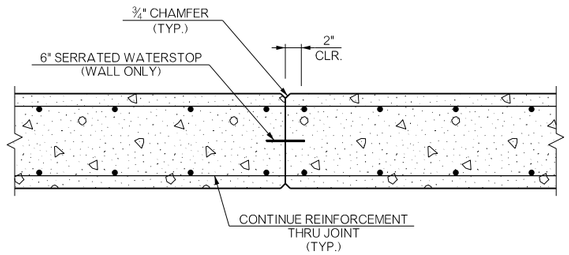


DETAIL "B"



DETAIL "A"

(4) SET BOTTOM OF PIPE 3" ABOVE THE TOP OF THE RETAIINING WALL FOOTING OR GROUND AT THE LOW END.



TYPICAL CONSTRUCTION JOINT

GENERAL NOTES FOR RETAINING WALL

SPECIFICATIONS:
COMPLY WITH THE REQUIREMENTS OF THE 2019 OKLAHOMA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, EXCEPT AS MODIFIED BY THE PLANS AND SPECIAL PROVISIONS.

CONCRETE:
ALL CONCRETE SHALL BE PLACED IN THE DRY. ALL EXPOSED EDGES SHALL HAVE A 3/4" CHAMFER UNLESS NOTED OR SHOWN ON PLANS. ALL CHAMFER STRIPS SHALL BE SIZED LUMBER. ALL CLASS "A" CONCRETE SHALL BE AIR-ENTRAINED.

ALL CONCRETE IN THE RETAINING WALL SHALL BE CLASS "A" CONCRETE, F'C = 3,000 P.S.I. MINIMUM STRENGTH AT 28 DAYS.

WHEN VIBRATING CONCRETE CONTAINING EPOXY COATED REINFORCING STEEL, THE VIBRATOR SHALL BE EQUIPPED WITH A PLASTIC TIP DESIGNED TO PREVENT DAMAGE TO THE EPOXY COATING.

REINFORCING:
ALL REINFORCING STEEL SHALL HAVE 2" CLEARANCE UNLESS SHOWN OR NOTED OTHERWISE. ALL REINFORCING STEEL SHALL BE DEFORMED BARS, COLD BENT WITH NO WELDS. BAR BEND DIMENSIONS ARE OUT TO OUT, UNLESS NOTED OTHERWISE. UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS, ALL REINFORCING STEEL SHALL CONFORM TO AASHTO M31 (ASTM A615), GRADE 60.

FIELD WELDING OF CROSSING REINFORCING BARS SHALL NOT BE PERMITTED. TACK WELDING OF REINFORCING BARS SHALL BE PROHIBITED IN ALL CASES.

ALL LONGITUDINAL TOP REINFORCING IN THE RETAINING WALL FOOTING SHALL BE SUPPORTED ON APPROVED CONTINUOUS METAL HIGH CHAIRS SPACED AT 4'-0" MAXIMUM ON CENTERS AND THE BOTTOM LAYER OF REINFORCING STEEL SHALL BE SUPPORTED ON APPROVED METAL SLAB BOLSTERS SPACED AT 4'-0" MAXIMUM ON CENTERS.

RETAINING WALL:
DIMENSIONS ARE ALONG THE FRONT FACE OF RETAINING WALL.

GEOTECHNICAL REPORT:
A GEOTECHNICAL REPORT, DATED SEPT. 11TH, 2020, HAS BEEN PREPARED BY TERRACON FOR THIS PROJECT. THE GEOTECHNICAL REPORT IS AVAILABLE FOR REVIEW AT THE OFFICE ENGINEER DIVISION, ODOT, 200 N.E. 21ST STREET, OKLAHOMA CITY, OK 73105. THE CONTRACTOR SHOULD TAKE INTO CONSIDERATION THE INFORMATION CONTAINED WITHIN THE REPORT FOR BIDDING PURPOSES. ANY INFORMATION CONTAINED IN THE GEOTECHNICAL REPORT SHOULD NOT BE CONSTRUED AS REPRESENTATIVE OF ALL FIELD CONDITIONS.

DESIGN	WDW	10/24
DRAWN	DSP	10/24
CHECKED	DPE	2/25
APPROVED	DPE	2/25
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

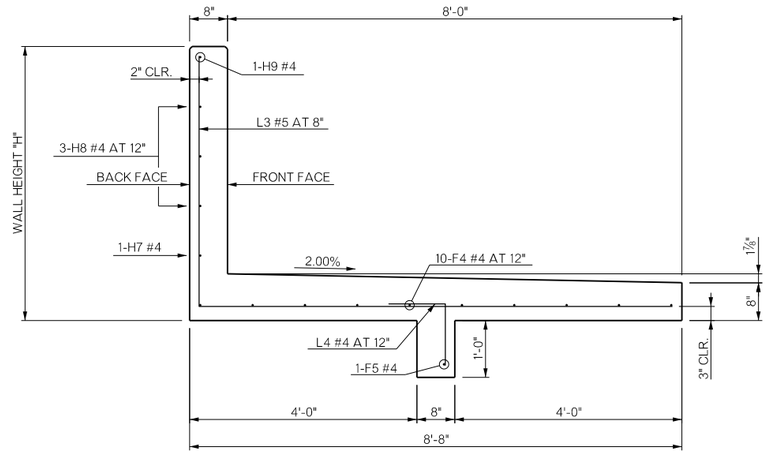
RETAINING WALL A DETAILS

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R138

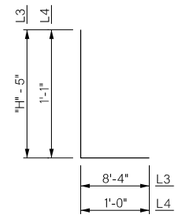
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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/26/2025



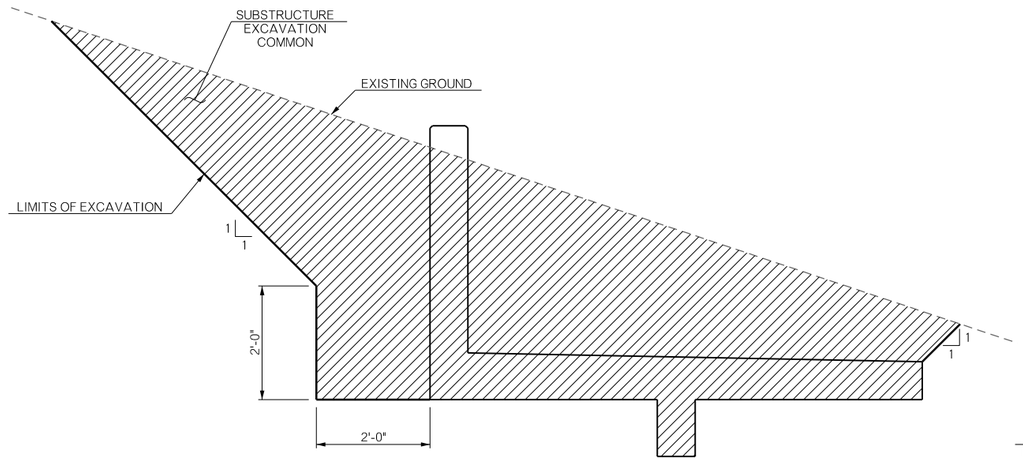
TYPICAL WALL SECTION



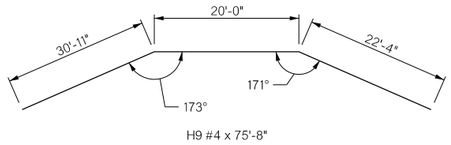
L3 #4 x "H" +7'-11"
L4 #4 x 2'-1"

BAR LIST - RETAINING WALL B					
MARK	SIZE	NO.	FORM	LENGTH	LENGTH VARIATION
REINFORCING STEEL					
(1) F4	#4	10	STR.	75'-1"	-
(1) F5	#4	1	STR.	74'-11"	-
(1) H7	#4	1	STR.	74'-11"	-
H8	#4	3	STR.	46'-2½" AVG.	33'-1" TO 59'-4"
(1) H9	#4	1	STR.	75'-8"	-
L3	#4	113	BENT	"H" + 7'-11"	-
L4	#4	77	BENT	2'-1"	-

(1) INCLUDES ONE 2'-5" LAP LENGTH



EXCAVATION DETAIL



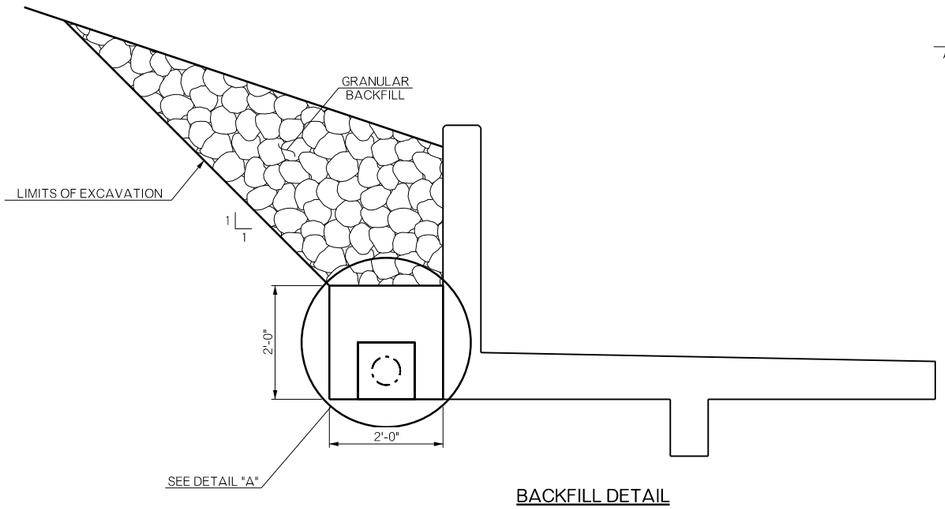
H9 #4 x 75'-8"

SUMMARY OF QUANTITIES - RETAINING WALL B		
ITEM	UNIT	TOTAL
(3) RETAINING WALL	SY	23.00

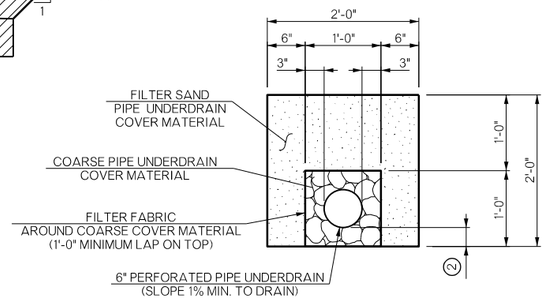
(3) ALL COSTS ASSOCIATED WITH THE CONSTRUCTION OF THE RETAINING WALL INCLUDING CLASS A CONCRETE, REINFORCING STEEL, EXCAVATION, GRANULAR BACKFILL MATERIAL, FILTER FABRIC, PERFORATED AND NON-PERFORATED PIPE UNDERDRAIN, GRAFFITI TREATMENT, LABOR, EQUIPMENT, MATERIALS AND OTHER INCIDENTALS SHALL BE INCLUDED IN THE PRICE BID PER S.Y. OF "RETAINING WALL".

THE ESTIMATED QUANTITIES OF MATERIALS IN THE RETAINING WALL ARE AS FOLLOWS:

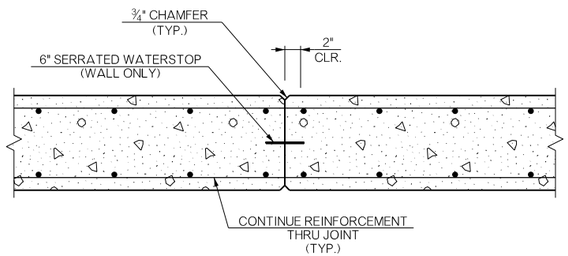
SUBSTRUCTURE EXCAVATION COMMON	120.00 C.Y.
GRANULAR BACKFILL	20.00 C.Y.
CLASS A CONCRETE	24.20 C.Y.
REINFORCING STEEL	1,720.00 LB.
6" PERFORATED PIPE UNDERDRAIN ROUND	74.00 L.F.
6" NON-PERF. PIPE UNDERDRAIN RND.	10.00 L.F.
PIPE UNDERDRAIN COVER MATERIAL	12.00 C.Y.



BACKFILL DETAIL



DETAIL "A"



TYPICAL CONSTRUCTION JOINT

NOTES:
SEE "RETAINING WALL A DETAILS" FOR DESIGN DATA AND GENERAL NOTES.

FIELD BEND H AND F BARS TO FOLLOW CURVATURE OF RETAINING WALL.

SPACING OF TRANSVERSE BARS SHALL BE TAKEN ALONG THE BACK FACE OF THE RETAINING WALL.

ATTACH 6" NON-PERFORATED PIPE TO THE 6" PERFORATED PIPE AT THE LOW END OF THE WALL. RUN TO DAYLIGHT OR TO NEARBY STORM SEWER STRUCTURE TO DRAIN. INCLUDE COST OF CONNECTING TO DRAINAGE STRUCTURE IN THE PRICE BID PER S.Y. OF "RETAINING WALL".

(2) SET BOTTOM OF PIPE 3" ABOVE THE TOP OF THE RETAIINING WALL FOOTING OR GROUND AT THE LOW END.

DESIGN	WDW	10/24
DRAWN	DSP	10/24
CHECKED	DPE	2/25
APPROVED	DPE	2/25
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

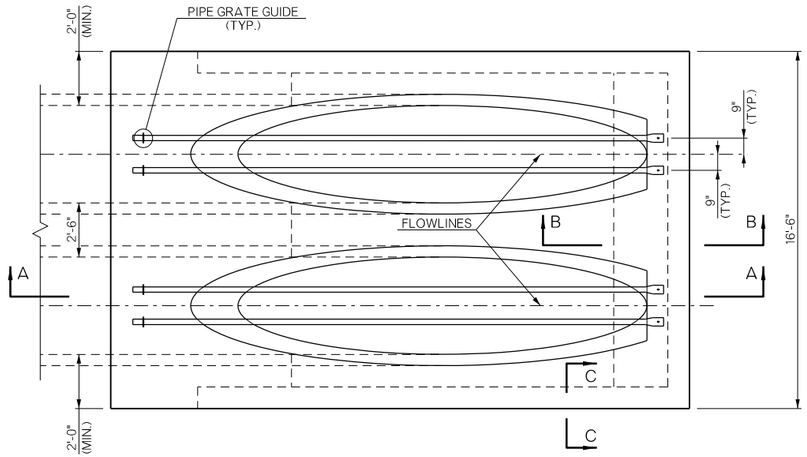
RETAINING WALL B DETAILS

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R139

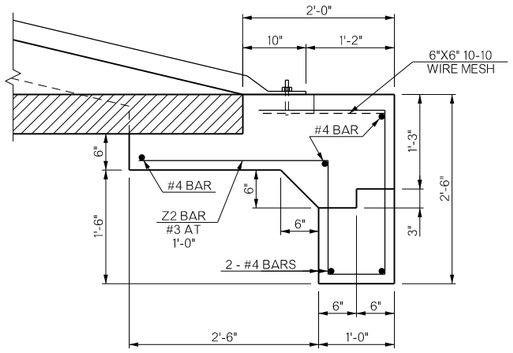
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OKLAHOMA DEPARTMENT OF TRANSPORTATION

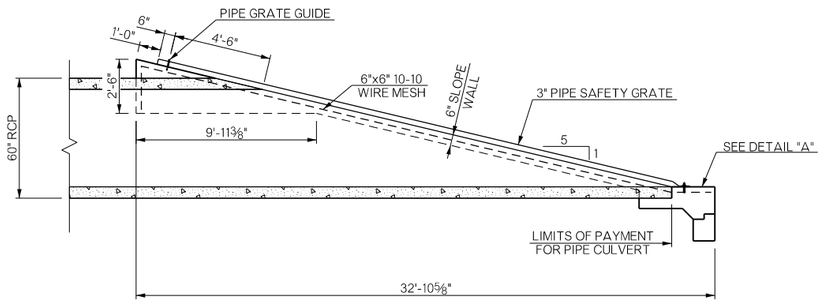
FINAL FIELD MEETING
3/28/2025



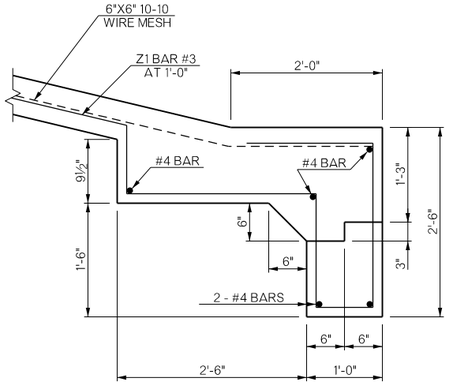
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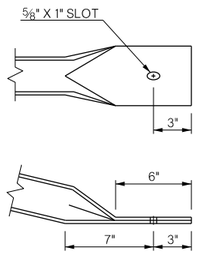
DETAIL "A"



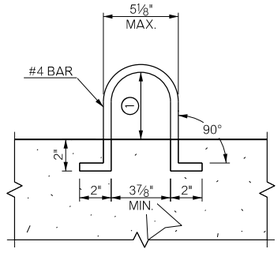
SECTION A-A



SECTION B-B

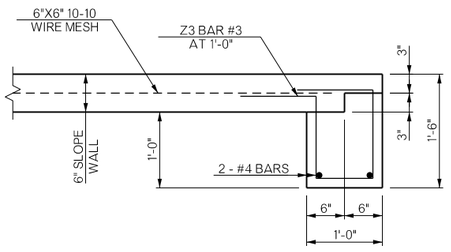


PIPE GRATE ANCHOR END DETAIL

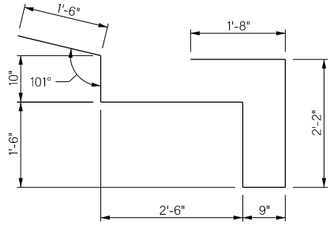


PIPE GRATE GUIDE (U-BOLT)

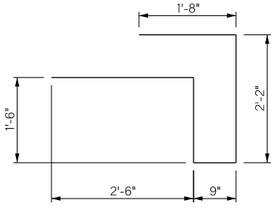
① 3⅞" MINIMUM CLEARANCE



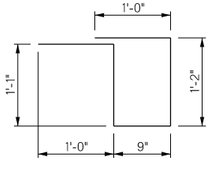
SECTION C-C



Z1 #3 x 10'-11"



Z2 #3 x 8'-7"



Z3 #3 x 5'-0"

GENERAL NOTES

SPECIFICATIONS:
ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 2019 ODOT STANDARD SPECIFICATIONS.

CONCRETE:
ALL CONCRETE SHALL BE PLACED IN THE DRY. ALL EXPOSED EDGES SHALL HAVE A ¾" CHAMFER UNLESS NOTED OR SHOWN ON PLANS. ALL CHAMFER STRIPS SHALL BE SIZED LUMBER. ALL CLASS "A" CONCRETE SHALL BE AIR-ENTRAINED. COARSE AGGREGATE FOR THIN SECTION OF CONCRETE (SECTION 701.06) MAY BE USED.

ALL CONCRETE SHALL BE CLASS A, F'C = 3,000 P.S.I. MINIMUM STRENGTH AT 28 DAYS.

REINFORCING:
ALL REINFORCING STEEL SHALL HAVE 2" CLEARANCE UNLESS SHOWN OR NOTED OTHERWISE. ALL REINFORCING STEEL SHALL BE DEFORMED BARS, COLD BENT WITH NO WELDS. BAR BEND DIMENSIONS ARE OUT TO OUT, UNLESS NOTED OTHERWISE. ALL REINFORCING STEEL TO BE GRADE 60.

FIELD WELDING OF CROSSING REINFORCING BARS SHALL NOT BE PERMITTED. TACK WELDING OF REINFORCING BARS SHALL BE PROHIBITED IN ALL CASES.

SAFETY GRATES:
PIPES FOR SAFETY GRATES SHALL BE 3" EXTRA STRONG PIPE. IT SHALL BE FURNISHED GALVANIZED IN ACCORDANCE WITH ASTM A 123. PLAIN END AND SHALL MEET THE MINIMUM REQUIREMENTS OF ASTM A53 (HYDROSTATIC TEST MAY BE WAIVED) OR ASTM F1083.

ANY GALVANIZED AREAS DISTRESSED AFTER GALVANIZATION SHALL BE COATED WITH AN APPROVED ZINC RICH PAINT.

ANCHOR BOLTS:
PROVIDE ½" DIA. X 5½" ANCHOR BOLTS. EXPOSE THREADS 1¾" ABOVE THE CONCRETE FOR INSTALLATION OF PIPE, WASHERS, & NUT.

ANCHOR BOLTS, NUTS, AND WASHERS SHALL BE GALVANIZED.

ANCHOR BOLTS SHALL CONFORM TO AASHTO M164 OR ASTM A354 - GRADE BC.

NUTS SHALL CONFORM TO AASHTO M232.

WASHERS SHALL CONFORM TO AASHTO M270 - GRADE 36.

ANY GALVANIZED AREAS DISTRESSED AFTER GALVANIZATION SHALL BE COATED WITH AN APPROVED ZINC RICH PAINT.

RCP END TREATMENT:
SLOPED END OF CULVERT PIPE SHALL BE SHOP CUT. THE COST OF CUTTING SHALL BE INCLUDED IN THE PRICE BID FOR PIPE CULVERT.

BASIS OF PAYMENT:
ALL COSTS OF THE CULVERT END TREATMENT, INCLUDING GALVANIZING, MATERIALS, LABOR, EQUIPMENT, AND ANY INCIDENTALS SHALL BE INCLUDED IN THE PRICE PER EACH OF "CULVERT END TREATMENT".

THE ESTIMATED QUANTITIES FOR A SINGLE END TREATMENT ARE AS FOLLOWS:

SUMMARY OF QUANTITIES - STR. NO. 110 C.E.T.

ITEM	UNIT	TOTAL
STRUCTURAL STEEL	LB	1,180.00
CLASS A CONCRETE	CY	2.70
REINFORCING STEEL	LB	370.00

DESIGN	WDW	9/24
DRAWN	DJG	9/24
CHECKED	WDW	9/24
APPROVED	DPE	2/25
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

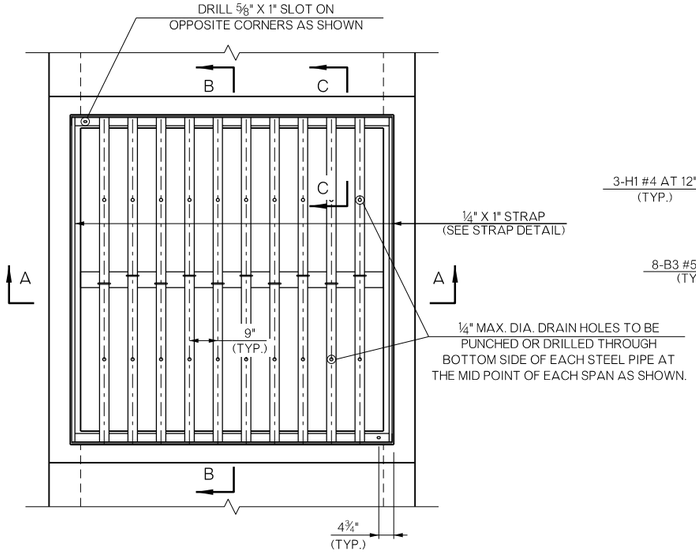
STRUCTURE NO. 110 C.E.T.

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R140

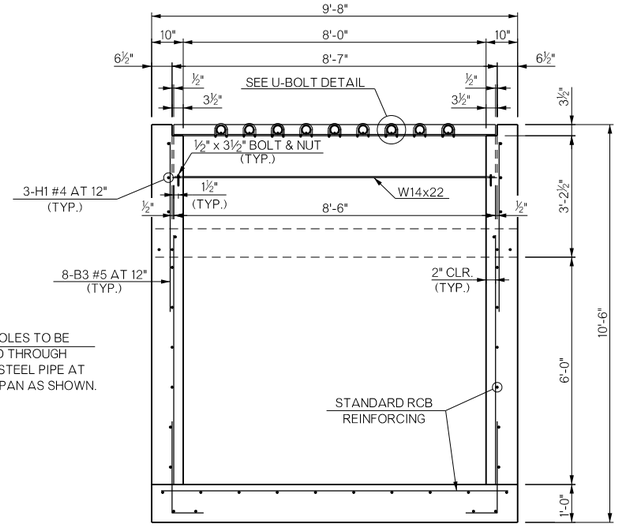
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OKLAHOMA DEPARTMENT OF TRANSPORTATION

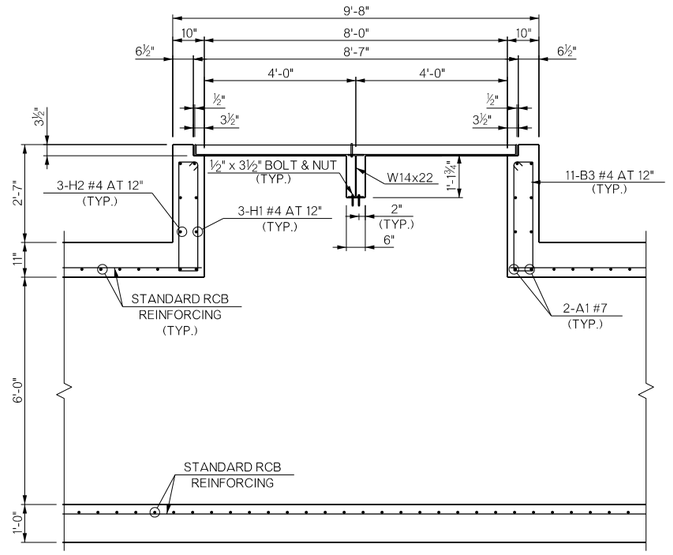
FINAL FIELD MEETING
3/28/2025



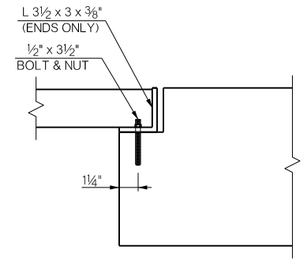
PLAN OF GRATE



SECTION A-A



SECTION B-B



SECTION C-C

GENERAL NOTES

SPECIFICATIONS:
ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 2019 ODOT STANDARD SPECIFICATIONS.

CONCRETE:
ALL CONCRETE SHALL BE PLACED IN THE DRY. ALL EXPOSED EDGES SHALL HAVE A ¾" CHAMFER UNLESS NOTED OR SHOWN ON PLANS. ALL CHAMFER STRIPS SHALL BE SIZED LUMBER. ALL CLASS A CONCRETE SHALL BE AIR-ENTRAINED.

ALL CONCRETE SHALL BE CLASS A, F'C = 3,000 P.S.I. MINIMUM STRENGTH AT 28 DAYS.

REINFORCING:
ALL REINFORCING STEEL SHALL HAVE 2" CLEARANCE UNLESS SHOWN OR NOTED OTHERWISE. ALL REINFORCING STEEL SHALL BE DEFORMED BARS, COLD BENT WITH NO WELDS. BAR BEND DIMENSIONS ARE OUT TO OUT, UNLESS NOTED OTHERWISE. ALL REINFORCING STEEL TO BE GRADE 60.

FIELD WELDING OF CROSSING REINFORCING BARS SHALL NOT BE PERMITTED. TACK WELDING OF REINFORCING BARS SHALL BE PROHIBITED IN ALL CASES.

STRUCTURAL STEEL:
STEEL PIPE SHALL CONFORM TO ASTM A53, GRADE B. STRUCTURAL STEEL SHAPES SHALL CONFORM TO ASTM A709, GRADE 50. ALL OTHER STRUCTURAL STEEL MEMBERS SHALL HAVE A MINIMUM YIELD STRENGTH OF 36KSI.

ALL STEEL SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH AASHTO M111.

ANCHOR BOLTS:
ANCHOR BOLTS, NUTS, AND WASHERS SHALL BE OF STAINLESS STEEL OR GALVANIZED.

STAINLESS STEEL ANCHOR BOLTS SHALL CONFORM TO ASTM A193 OR A320 - GRADE B8 WITH A MINIMUM YIELD STRENGTH OF 80,000 PSI. GALVANIZED ANCHOR BOLTS SHALL CONFORM TO AASHTO M164 OR ASTM A354 - GRADE BC.

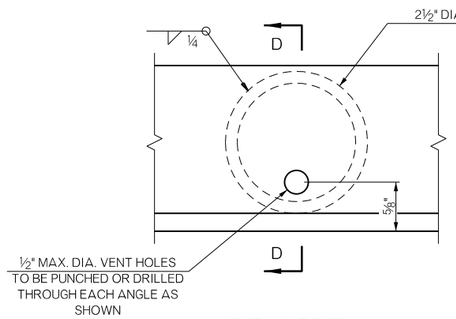
STAINLESS STEEL NUTS SHALL CONFORM TO ASTM A194 - GRADE 8. GALVANIZED NUTS SHALL CONFORM TO AASHTO M232.

STAINLESS STEEL WASHERS SHALL CONFORM TO ASTM A276 OR A167 - TYPE 302. GALVANIZED WASHERS SHALL CONFORM TO AASHTO M270 - GRADE 36.

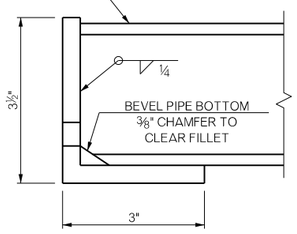
ANCHOR BOLTS SHALL BE EPOXIED INTO THE RCB USING AN EPOXY SYSTEM APPROVED BY THE ENGINEER.

BASIS OF PAYMENT:
ALL COSTS OF THE GRATE ASSEMBLY, INCLUDING GALVANIZING, MATERIALS, LABOR, EQUIPMENT, AND ANY INCIDENTALS SHALL BE INCLUDED IN THE PRICE PER LB. OF "STRUCTURAL STEEL".

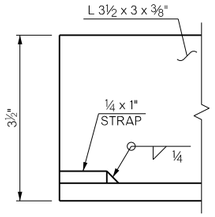
ALL CONCRETE AND REINFORCING QUANTITIES SHALL BE INCLUDED IN THE QUANTITIES FOR THE 8'X6' RCB. NO ADDITIONS OR SUBTRACTIONS SHALL BE MADE FOR THE INLET DETAILS.



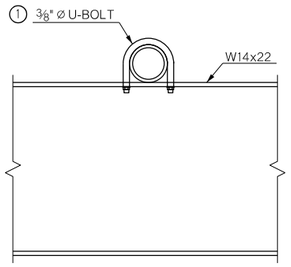
VENT HOLE DETAIL



SECTION D-D

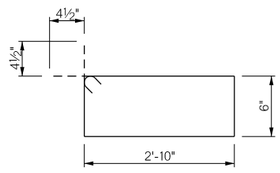


STRAP DETAIL

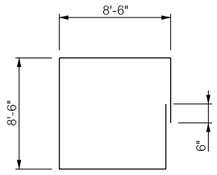


U-BOLT DETAIL

(1) ALTERNATE PLACEMENT OF U-BOLTS ON EACH SIDE OF THE WEB



B3 #4 x 7'-5"



H1 #4 x34'-6"

SUMMARY OF QUANTITIES - STR. NO. 6 INLET

ITEM	UNIT	TOTAL
STRUCTURAL STEEL	LB	750.00
STRUCTURAL STEEL A709 GR50	LB	190.00
CLASS AA CONCRETE	CY	2.70
REINFORCING STEEL	LB	530.00

BAR LIST - STR. NO. 6 INLET

MARK	SIZE	NO.	FORM	LENGTH
REINFORCING STEEL				
A1	#7	4	STR.	9'-4"
B3	#5	44	BENT	7'-5"
H1	#4	3	BENT	34'-6"
H2	#4	6	STR.	9'-4"

NOTES:
SEE ODOT STD. RCB-C1-8(2-14)-01E FOR ADDITIONAL INFORMATION.

CUT OR OMIT STANDARD RCB REINFORCING AS NEEDED FOR INLET OPENING IN TOP SLAB.

DESIGN	WDW	9/24
DRAWN	DJG	9/24
CHECKED	WDW	9/24
APPROVED	DPE	3/25
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

STRUCTURE NO. 6
INLET 6 DETAILS

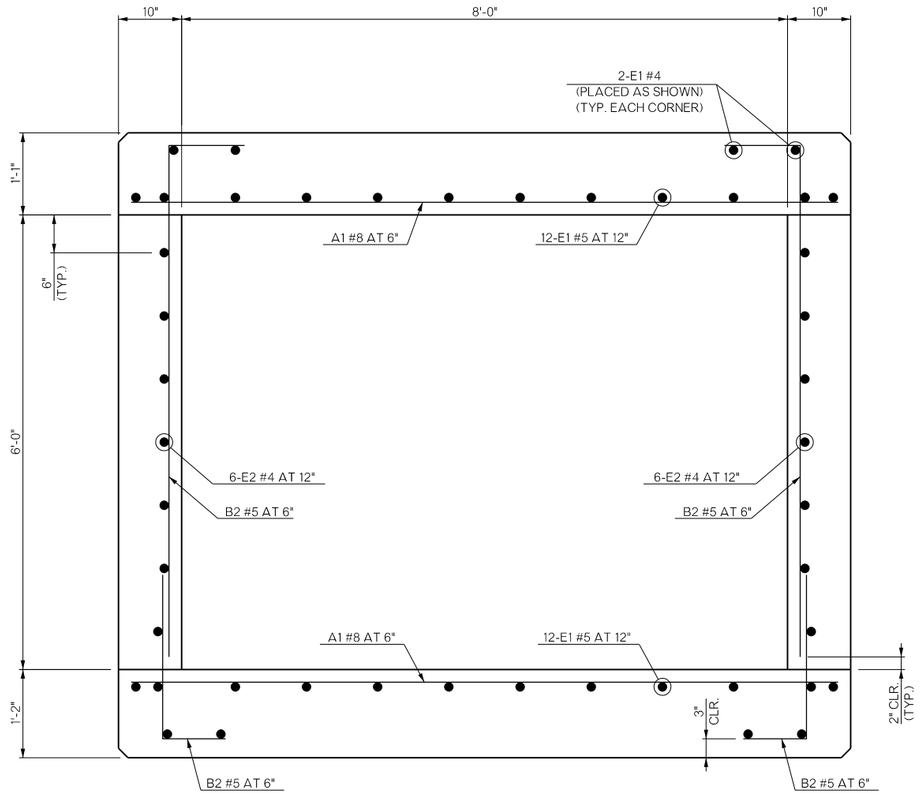
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R141

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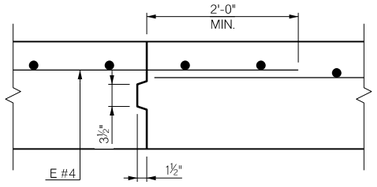
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025

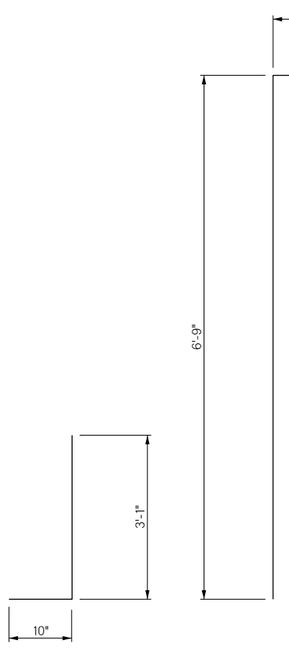
SUMMARY OF QUANTITIES - STR. NO. 6 RCB BARREL		
ITEM	UNIT	TOTAL
CLASS AA CONCRETE	CY	270.50
REINFORCING STEEL	LB	42,800.00



BARREL SECTION



TRANSVERSE CONSTRUCTION JOINT DETAIL



B1 #5 x 3'-1"

B2 #5 x 7'-7"

DESIGN DATA:

1. DESIGNED IN ACCORDANCE WITH 2020 AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS.

2. MATERIALS:
   CONCRETE (CLASS AA) F'C = 3 KSI
   REINFORCING STEEL FY = 60 KSI

GENERAL NOTES

1. ALL CONCRETE AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 2019 OKLAHOMA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

2. ALL CONCRETE EDGES SHALL HAVE A 1½" CHAMFER UNLESS OTHERWISE SHOWN OR NOTED. ALL CHAMFER STRIPS SHALL BE SIZED LUMBER.

3. ALL REINFORCING STEEL SHALL HAVE A 2" MINIMUM CLEAR COVER UNLESS OTHERWISE SHOWN.

4. THE QUANTITY FOR REINFORCING STEEL DOES NOT INCLUDE LAP SPLICES OF E1-BARS OR E2-BARS IN THE LENGTH OF THE BARREL OR AT TRANSVERSE CONSTRUCTION JOINTS. THE SPLICE FOR E-BARS SHALL BE 24" MINIMUM. THE NUMBER OF SPLICES USED IS TO BE APPROVED BY THE ENGINEER. REINFORCING STEEL FOR SPLICES SHALL NOT BE MEASURED FOR PAYMENT, AND ALL COSTS WILL BE INCLUDED IN THE UNIT BID PRICE FOR REINFORCING STEEL.

5. TRANSVERSE CONSTURUCTION JOINTS SHALL BE SPACED AT 60 FT. MAX.

6. REINFORCING STEEL SHALL BE CONTINUOUS THROUGH THE TRANSVERSE CONSTRUCTION JOINT AND EXTEND A MIN. OF 24" INTO ADJACENT SECTION.

7. FOR USE ON LINE N, STA. 4+70.00 TO STA. 7+00.00.

DESIGN	WDW	9/24
DRAWN	DJG	9/24
CHECKED	WDW	9/24
APPROVED	DPE	3/25
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

STRUCTURE NO. 6
RCB BARREL DETAILS

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R142

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025

GENERAL NOTES

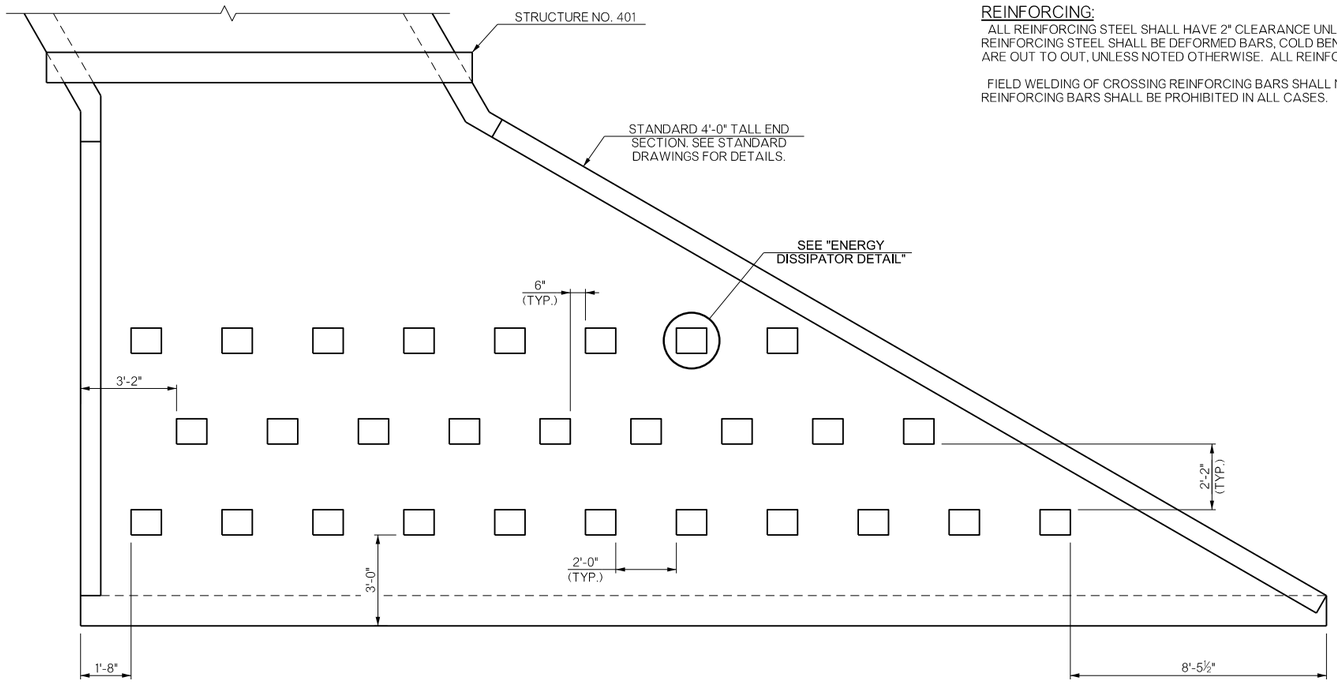
SPECIFICATIONS:
ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 2019 ODOT STANDARD SPECIFICATIONS.

CONCRETE:
ALL CONCRETE SHALL BE PLACED IN THE DRY. ALL EXPOSED EDGES SHALL HAVE A ¾" CHAMFER UNLESS NOTED OR SHOWN ON PLANS. ALL CHAMFER STRIPS SHALL BE SIZED LUMBER. ALL CLASS A CONCRETE SHALL BE AIR-ENTRAINED.

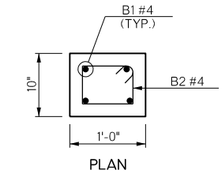
ALL CONCRETE SHALL BE CLASS A, F'C = 3,000 P.S.I. MINIMUM STRENGTH AT 28 DAYS.

REINFORCING:
ALL REINFORCING STEEL SHALL HAVE 2" CLEARANCE UNLESS SHOWN OR NOTED OTHERWISE. ALL REINFORCING STEEL SHALL BE DEFORMED BARS, COLD BENT WITH NO WELDS. BAR BEND DIMENSIONS ARE OUT TO OUT, UNLESS NOTED OTHERWISE. ALL REINFORCING STEEL TO BE GRADE 60.

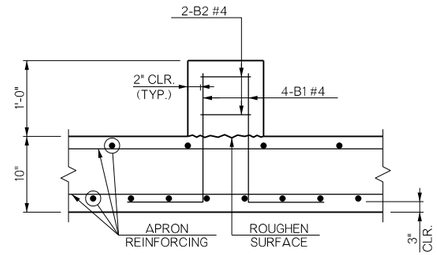
FIELD WELDING OF CROSSING REINFORCING BARS SHALL NOT BE PERMITTED. TACK WELDING OF REINFORCING BARS SHALL BE PROHIBITED IN ALL CASES.



ENERGY DISSIPATOR LAYOUT

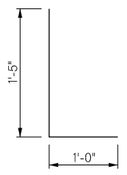


PLAN

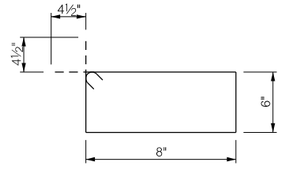


SECTION

ENERGY DISSIPATOR DETAIL



B1#4 x 2'-5"



B2 #4 x 3'-1"

SUMMARY OF QUANTITIES - STR. NO. 401 ENERGY DISSIPATORS		
ITEM	UNIT	TOTAL
CLASS A CONCRETE	CY	0.90
REINFORCING STEEL	LB	300.00

DESIGN	DPE	3/25
DRAWN	SJL	3/25
CHECKED	DPE	3/25
APPROVED	DPE	3/25
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

STRUCTURE NO. 401 ENERGY DISSIPATOR DETAILS

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R143

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/26/2025

PARAPET WALL NOTES:

ALL CONCRETE IN THE PARAPET SHALL BE CLASS "AA" CONCRETE, F'C = 4,000 P.S.I. MINIMUM STRENGTH AT 28 DAYS. ALL CONCRETE IN THE FOOTING SLAB SHALL BE CLASS "A" CONCRETE, F'C = 3,000 P.S.I. MINIMUM STRENGTH AT 28 DAYS.

PROVIDE A MINIMUM 2'-9" LAP ON ALL LONGITUDINAL BARS IN THE FOOTING, AND A MINIMUM 4'-0" LAP ON ALL LONGITUDINAL BARS IN THE PARAPET. ALL LAPS SHALL BE STAGGERED. MAINTAIN 2" CLEAR UNLESS OTHERWISE SPECIFIED. SPACING OF TRANSVERSE BARS AND FS BARS IS MEASURED AT THE FRONT OF THE PARAPET. ALL BARS FULLY INSIDE OF THE PARAPET OR CONCRETE RAIL SHALL BE INCLUDED IN THE UNIT PRICE BID PER LINEAR FOOT OF "42" F-SHAPED PARAPET" OR "CONCRETE RAIL (TR4)". ALL OTHER REINFORCING STEEL SHALL BE MEASURED AND PAID FOR AS "EPOXY COATED REINFORCING STEEL".

THE CONTRACT UNIT PRICE FOR "42" F-SHAPED PARAPET" SHALL BE FULL COMPENSATION FOR CONCRETE, REINFORCING STEEL, BACKER ROD, RAPID CURE JOINT SEALANT, POLYSTYRENE, EXCAVATION, LABOR, EQUIPMENT AND OTHER INCIDENTALS NECESSARY TO COMPLETE THE WORK AS SPECIFIED IN THE PLANS.

THE CONTRACT UNIT PRICE FOR "CONCRETE TRAFFIC RAIL (TR4)" SHALL BE FULL COMPENSATION FOR CONCRETE, REINFORCING STEEL, BACKER ROD, RAPID CURE JOINT SEALANT, POLYSTYRENE, EXCAVATION, LABOR, EQUIPMENT AND OTHER INCIDENTALS NECESSARY TO COMPLETE THE WORK AS SPECIFIED IN THE PLANS.

PLACE AN EXPANSION JOINT BETWEEN THE FOOTING SLAB AND SHOULDER PAVEMENT OR BRIDGE APPROACH SLAB AT THE BEGIN AND END OF THE PARAPET WALL. PLACE EXPANSION JOINTS AT OTHER INTERMEDIATE LOCATIONS AS NEEDED. JOINTS SHALL BE PLACED AT 60-FOOT MINIMUM AND 100-FOOT MAXIMUM SPACING. MATCH EXPANSION JOINTS IN THE PARAPET WITH THE EXPANSION JOINTS IN THE FOOTING SLAB. PLACE A ¾" PREFORMED EXPANSION MATERIAL IN THE PARAPET AT EACH EXPANSION JOINT, SEE DETAIL "A". TERMINATE LONGITUDINAL REINFORCING 2" CLEAR OF THE END OF THE PARAPET & AT EXPANSION JOINTS.

PLACE CRACK CONTROL JOINTS AT 10'-0" MAXIMUM SPACING ALONG THE LENGTH OF THE 42" F-SHAPED PARAPET. CREATE JOINT USING A DOUBLE ¾" CHAMFER OR A ¾" DEEP SAWCUT.

DO NOT PLACE DOWEL BARS IN THE LONGITUDINAL JOINT BETWEEN THE ROADWAY PAVEMENT AND THE FOOTING SLAB.

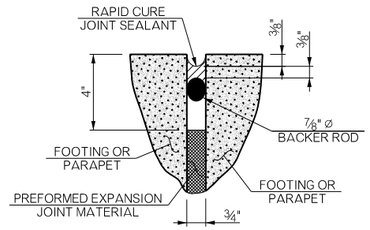
SUMMARY OF PARAPET WALL LOCATIONS

WALL	ALIGNMENT (1)	BEGIN STA.	BEGIN OFFSET	END STA.	END OFFSET
1	I-35	136+98.17	61.06' LT.	137+88.17	61.06' LT.
2	I-35	135+18.17	61.06' RT.	137+88.17	61.06' RT.
3	I-35	140+54.83	61.06' LT.	143+24.83	61.06' LT.
4	I-35	140+54.83	61.06' RT.	141+49.83	61.06' RT.
5	WATERLOO RD.	65+50.00	5.33' RT./LT.	67+75.00	5.33' RT./LT.

(1) STATIONS AND OFFSETS MEASURED PERPENDICULAR ALONG THE GIVEN C.R.L. TO THE FRONT FACE OF THE PARAPET.

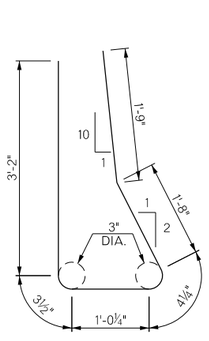
SUMMARY OF QUANTITIES - PARAPET WALLS

ITEM	UNIT	WALL NO. 1	WALL NO. 2	WALL NO. 3	WALL NO. 4	WALL NO. 5	TOTAL
CONCRETE RAIL (TR4)	LF	-	-	-	-	450.00	450.00
42" F-SHAPED PARAPET	LF	90.00	270.00	270.00	95.00	-	725.00
CLASS A CONCRETE	CY	44.80	134.20	139.00	48.90	137.50	504.40
EPOXY COATED REINFORCING STEEL	LB	5,800.00	17,330.00	17,330.00	6,100.00	24,930.00	71,490.00
WATER REPELLENT (VISUALLY INSPECTED)	SY	51.00	154.00	154.00	54.00	193.00	606.00

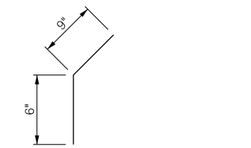


DETAIL "A"

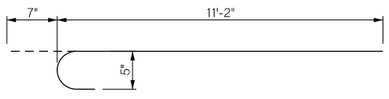
NOTES:
THE SHAPE FACTOR, COMBINED WITH THE JOINT CLEANLINESS, IS THE CRITICAL COMBINATION NECESSARY TO GUARANTEE DESIRED BONDING AND FUNCTION OF SEALED JOINTS. THE JOINT SHAPE FACTOR IS DEFINED AS THE FINAL PRESSED SHAPE OF THE SILICONE MATERIAL. THE TOOLING OPERATION WILL FIRMLY PRESS THE FRESHLY APPLIED MATERIAL INTIMATELY AGAINST THE CUT SIDES OF THE RECESS AND THE BACKER ROD SURFACES. THE ROUNDED SHAPE ON TOP AND BOTTOM OF THE SILICONE ALLOWS THE SEALANT TO PROPERLY FLEX BUT MAINTAIN ADHERENCE TO THE PAVING.



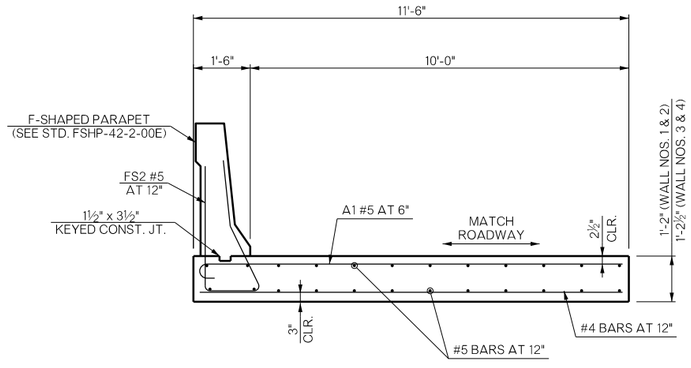
FS2 #5 x 8'-3"



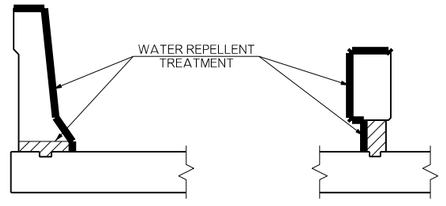
L #4 x 1'-3"



A1 #5 x 11'-9"

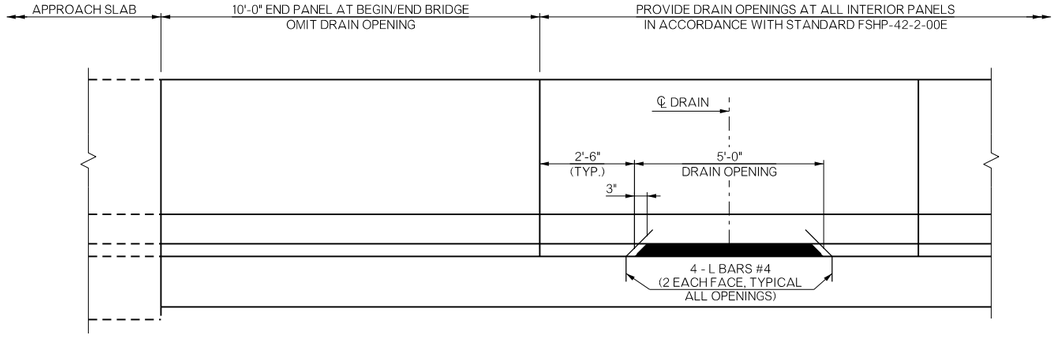


TYPICAL SECTION - PARAPET WALL NOS. 1-4



WATER REPELLENT TREATMENT

NOTES:
APPLY WATER REPELLENT TREATMENT TO THE ROADWAY FACE, TOP FACE, EXPOSED END FACES, AND OPENINGS OF THE PARAPETS.



TYPICAL 5'-0" DRAIN OPENING IN PARAPET

DESIGN	NBK	11/24
DRAWN	NBK	12/24
CHECKED	DPE	3/25
APPROVED	DPE	3/25
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

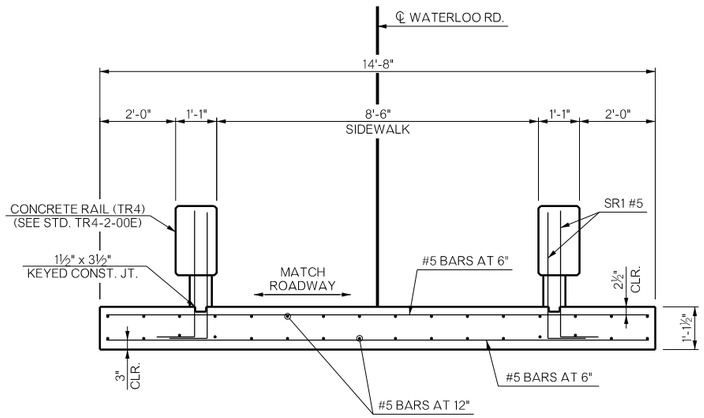
PARAPET WALL DETAILS
(SHEET 1 OF 2)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R144

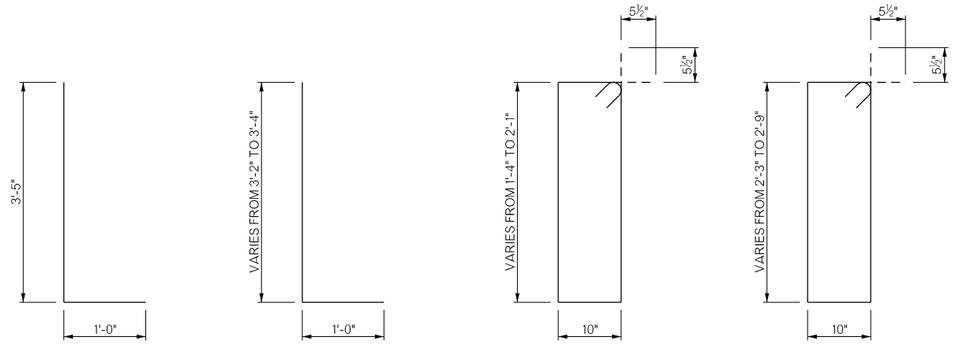
3/26/2025 11:57:37 L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\Bridge\29843O4_PARAPET WALL DETAILS 1.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

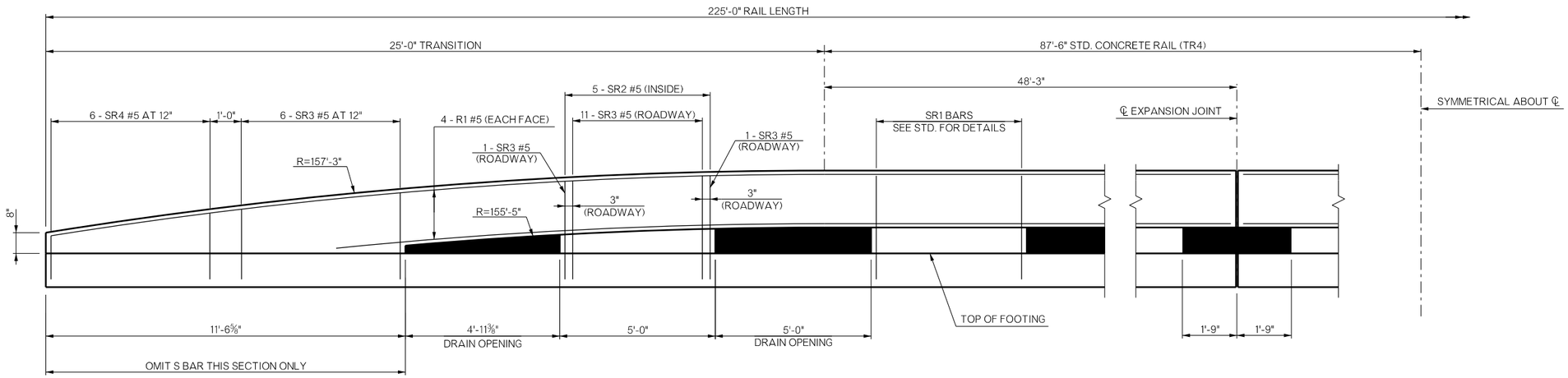
FINAL FIELD MEETING
3/26/2025



TYPICAL SECTION - PARAPET WALL NO. 5



SR1 #5 x 4'-5" SR2 & SR3 #5 x 4'-3" AVG. SR4 #5 x 6'-0" AVG. SR5 #5 x 7'-7" AVG.



BARRIER ELEVATION - PARAPET WALL NO. 5
(REINFORCEMENT SHOWN IS FOR ONE TRANSITION; FOUR REQUIRED)

DESIGN	NBK	11/24
DRAWN	NBK	12/24
CHECKED	DPE	3/25
APPROVED	DPE	3/25
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

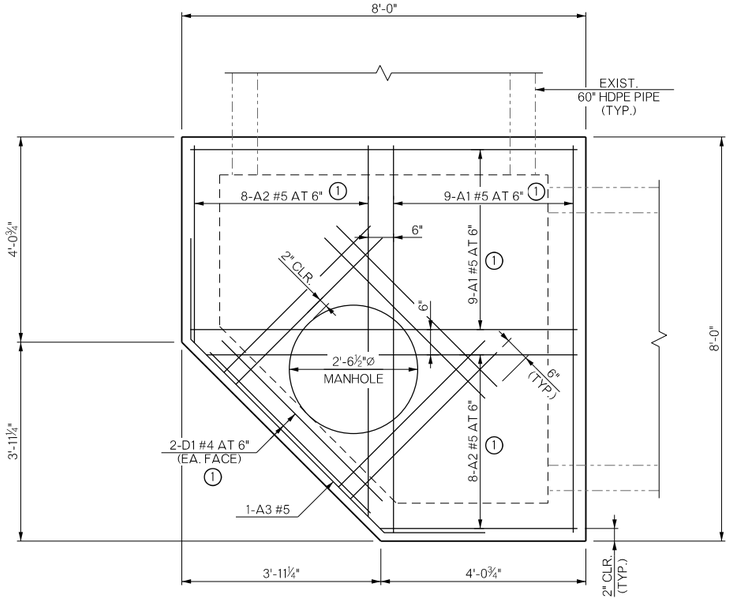
PARAPET WALL DETAILS
(SHEET 2 OF 2)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R145

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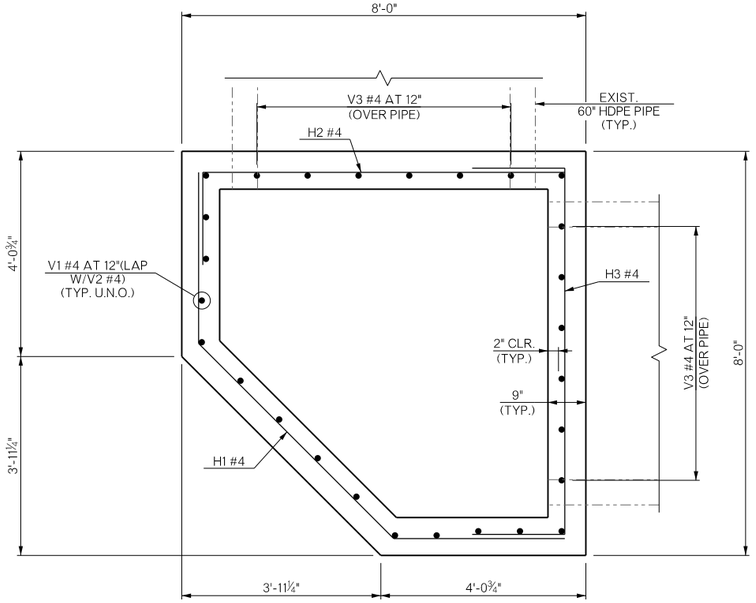
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/26/2025



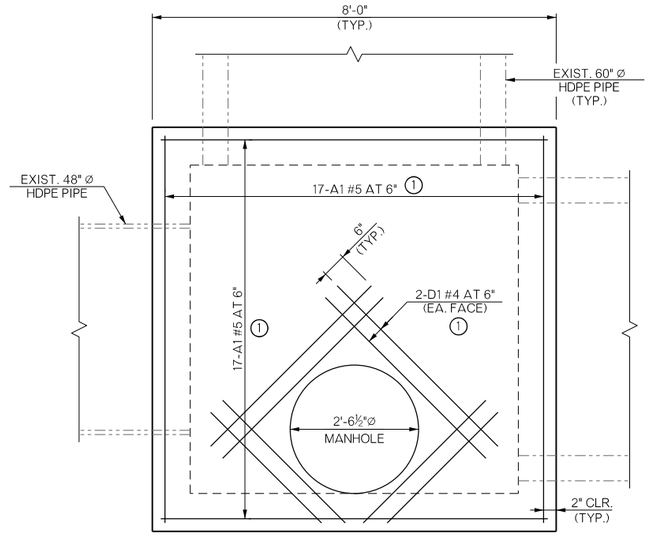
SLAB REINFORCING LAYOUT

(WALL REINFORCING NOT SHOWN FOR CLARITY)
(TOP SLAB SHOWN; BOTTOM SLAB SIMILAR, EXCEPT OMIT MANHOLE AND D1 BARS)



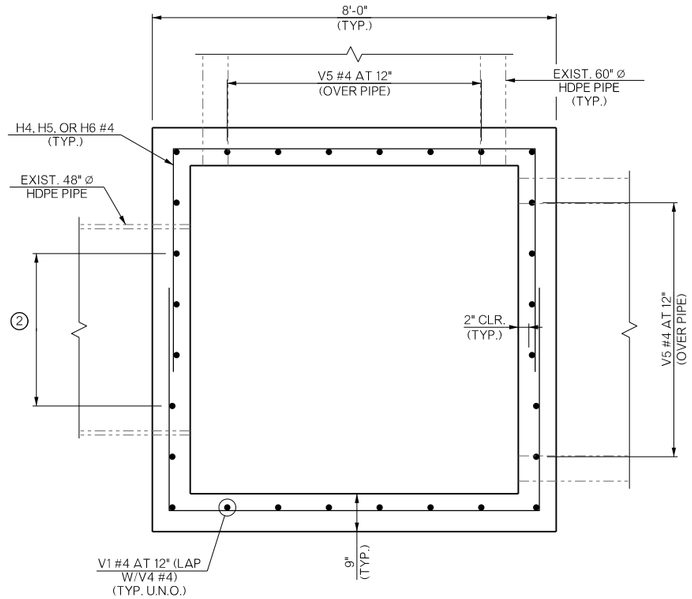
WALL REINFORCING LAYOUT

STR. NO. 110B



SLAB REINFORCING LAYOUT

(WALL REINFORCING NOT SHOWN FOR CLARITY)
(TOP SLAB SHOWN; BOTTOM SLAB SIMILAR, EXCEPT OMIT MANHOLE AND D1 BARS)



WALL REINFORCING LAYOUT

STR. NO. 110A

LEGEND

U.N.O. = UNLESS NOTED OTHERWISE

DESIGN DATA

1. DESIGNED IN ACCORDANCE WITH 9TH EDITION AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS.
2. MATERIALS:
   CONCRETE (CLASS AA) F'C = 4,000 PSI
   REINFORCING STEEL FY = 60,000 PSI

GENERAL NOTES:

1. ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 2009 OKLAHOMA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
2. ALL CONCRETE EDGES SHALL HAVE A 1½" CHAMFER UNLESS OTHERWISE SHOWN OR NOTED. ALL CHAMFER STRIPS SHALL BE SIZED LUMBER.
3. ALL REINFORCING STEEL SHALL HAVE A 2" MINIMUM CLEAR COVER UNLESS OTHERWISE SHOWN. REINFORCING STEEL SHALL BE DEFORMED BARS AND COLD BENT.
4. FOR MANHOLE FRAME AND COVER SEE ODOT STD. MFC-5-1.
5. TOP OF TOP SLAB WILL FOLLOW ROADWAY SURFACE.

(1) FIELD TRIM AS NEEDED

(2) V6 #4 AT 12" (OVER PIPE)
V7 #4 AT 12" (LAP W/V1 #4)(UNDER PIPE)

NOTE:
ROTATE HOOKS ON V BARS AS NECESSARY TO MAINTAIN CLEARANCES.

DESIGN	WDW	9/24
DRAWN	DJG	9/24
CHECKED	WDW	9/24
APPROVED	DPE	2/25
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

JUNCTION BOX DETAILS
(SHEET 1 OF 4)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R146

3/26/2025 11:57:39 L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\Bridge\29843O4_JUNCTION BOX DETAILS 1.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

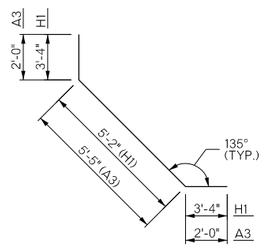
FINAL FIELD MEETING

3/26/2025

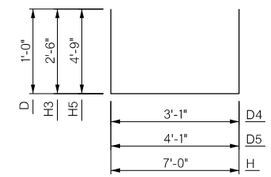
NOTES:
ROTATE HOOKS ON V BARS AS NECESSARY TO MAINTAIN CLEARANCES.

ELEVATIONS AND VERTICAL DIMENSIONS ARE BASED ON AS-BUILT DRAWINGS.
CONTRACTOR IS TO VERify AND ADJUST AS NEEDED.

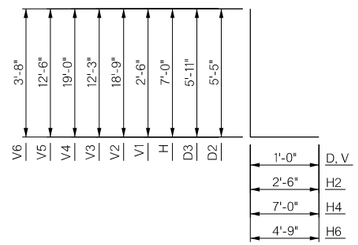
1. IN PAIRS
2. NORTH AND EAST WALLS ONLY.
3. OMIT AT NORTH AND EAST WALLS.



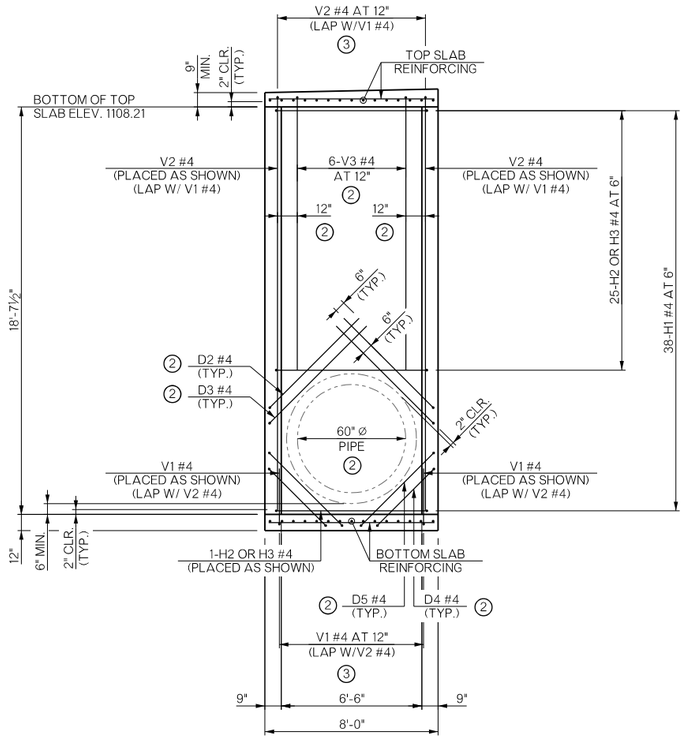
A3 #5 x 9'-5"
H1 #4 x 11'-10"



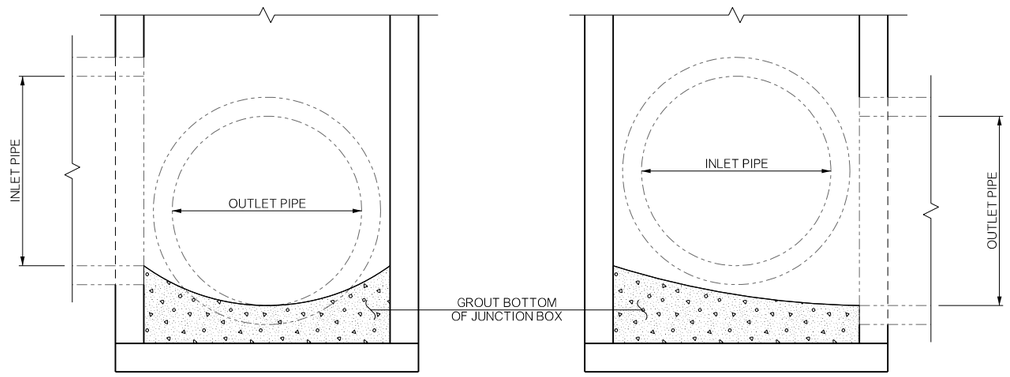
D4 #4 x 5'-1"
D5 #4 x 6'-1"
H3 #4 x 12'-0"
H5 #4 x 16'-6"



D2 #4 x 6'-5"
D3 #4 x 6'-11"
H2 #4 x 9'-6"
H4 #4 x 14'-0"
H6 #4 x 11'-9"
V1 #4 x 3'-6"
V2 #4 x 19'-9"
V3 #4 x 13'-3"
V4 #4 x 20'-0"
V5 #4 x 13'-6"
V6 #4 x 4'-8"



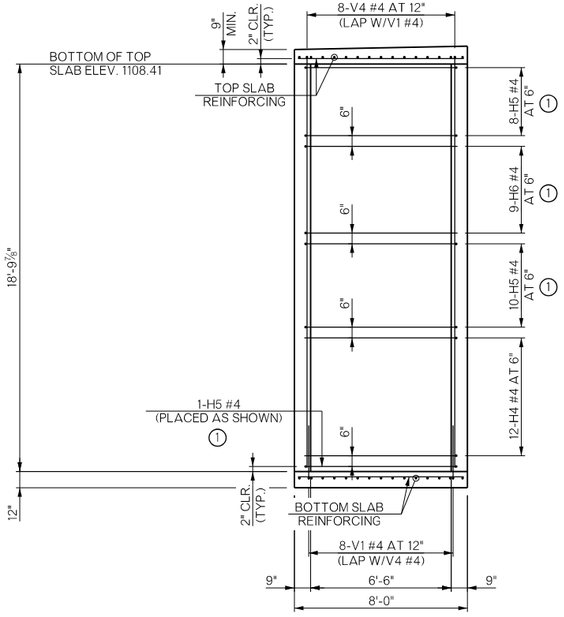
STR. NO. 110B



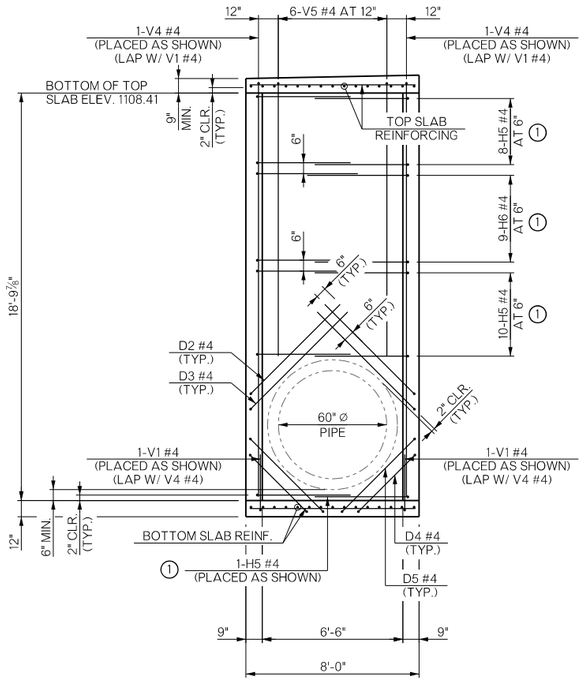
GROUT DETAIL

BAR LIST - STR. NO. 110B					
MARK	SIZE	NO.	FORM	LENGTH	LENGTH VARIATION
EPOXY COATED REINFORCING STEEL					
A1	#5	36	STR.	7'-8"	-
(4) A2	#5	32	STR.	5'-5½" AVG.	3'-9" TO 7'-2"
A3	#5	2	BENT	9'-5"	-
D1	#4	8	STR.	4'-11"	-
D2	#4	4	BENT	6'-5"	-
D3	#4	4	BENT	6'-11"	-
D4	#4	4	BENT	5'-1"	-
D5	#4	4	BENT	6'-1"	-
H1	#4	38	BENT	11'-10"	-
H2	#4	26	BENT	9'-6"	-
H3	#4	26	BENT	12'-0"	-
V1	#4	15	BENT	3'-6"	-
V2	#4	15	BENT	19'-9"	-
V3	#4	12	BENT	13'-3"	-

(4) FOUR SETS OF EIGHT

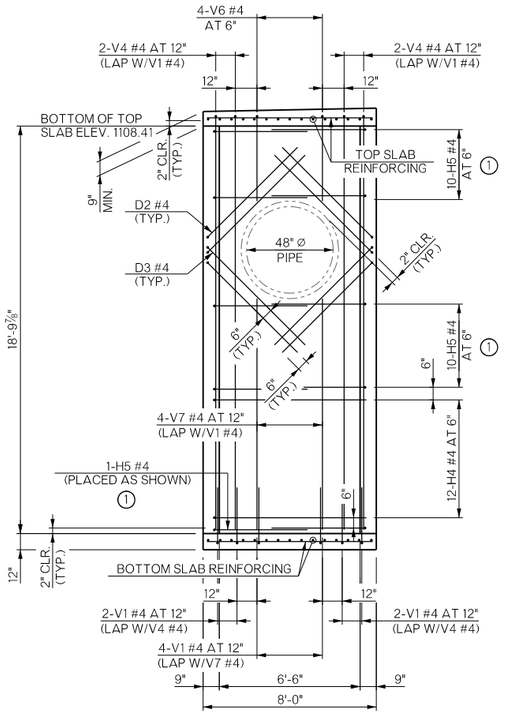


SOUTH FACE



NORTH OR EAST FACE

STR. NO. 110A



WEST FACE

BAR LIST - STR. NO. 110A				
MARK	SIZE	NO.	FORM	LENGTH
EPOXY COATED REINFORCING STEEL				
A1	#5	68	STR.	7'-8"
D1	#4	8	STR.	4'-11"
D2	#4	8	BENT	6'-5"
D3	#4	8	BENT	6'-11"
D4	#4	4	BENT	5'-1"
D5	#4	4	BENT	6'-1"
H4	#4	12	BENT	14'-0"
H5	#4	38	BENT	16'-6"
H6	#4	18	BENT	11'-9"
V1	#4	16	BENT	3'-6"
V4	#4	12	BENT	20'-0"
V5	#4	12	BENT	13'-6"
V6	#4	4	BENT	4'-8"
V7	#4	4	STR.	10'-6"

DESIGN	WDW	9/24
DRAWN	DJG	9/24
CHECKED	WDW	9/24
APPROVED	DPE	3/25
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

JUNCTION BOX DETAILS (SHEET 2 OF 4)

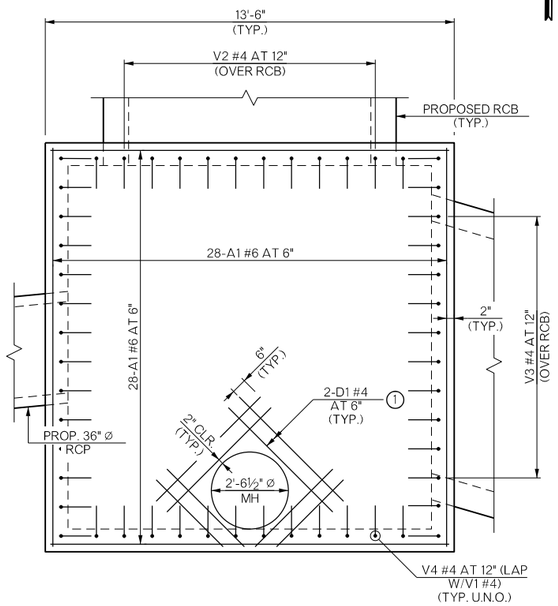
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R147

3/26/2025 11:57:40 L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\Bridge\29843O4_JUNCTION BOX DETAILS 2.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

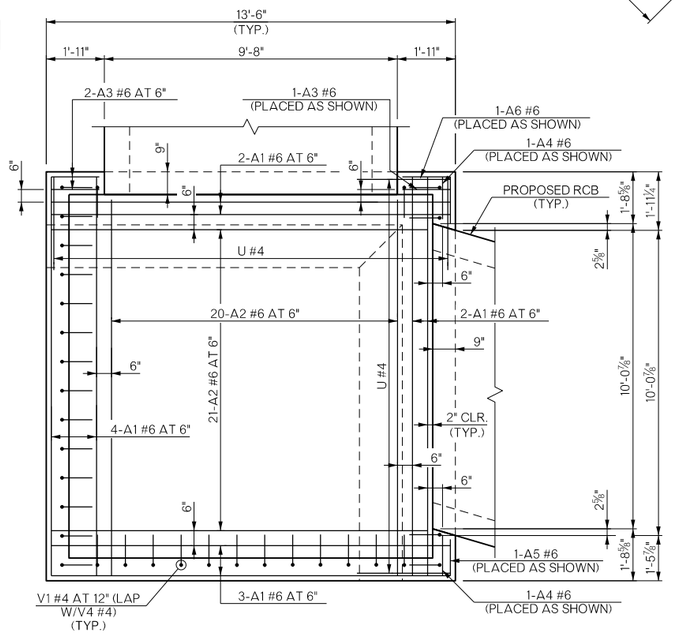
FINAL FIELD MEETING

3/26/2025



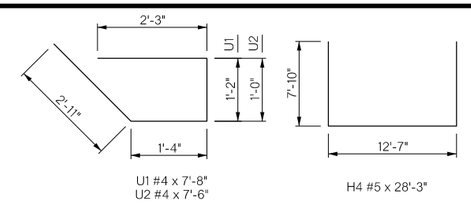
PLAN - TOP SLAB

(HORIZONTAL WALL REINFORCING NOT SHOWN FOR CLARITY)



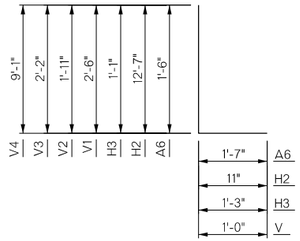
PLAN - BOTTOM SLAB

(HORIZONTAL WALL REINFORCING NOT SHOWN FOR CLARITY)

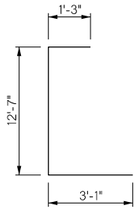


U1 #4 x 7'-8"
U2 #4 x 7'-6"

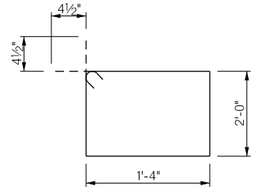
H4 #5 x 28'-3"



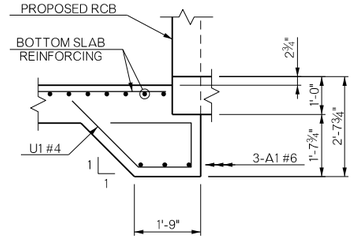
A6 #6 x 3'-1"
H2 #5 x 13'-6"
H3 #5 x 2'-4"
V1 #4 x 3'-6"
V2 #4 x 2'-11"
V3 #4 x 3'-2"
V4 #4 x 10'-1"



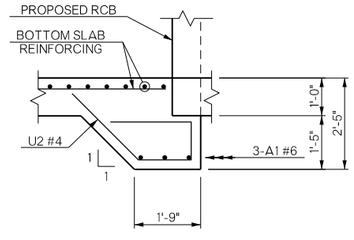
H1 #5 x 16'-11"



U3 #4 x 7'-5"

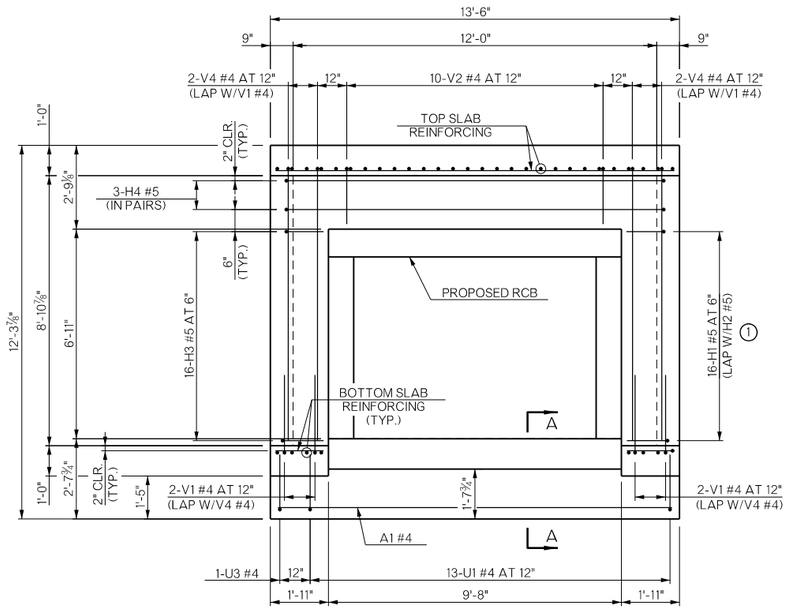


SECTION A-A

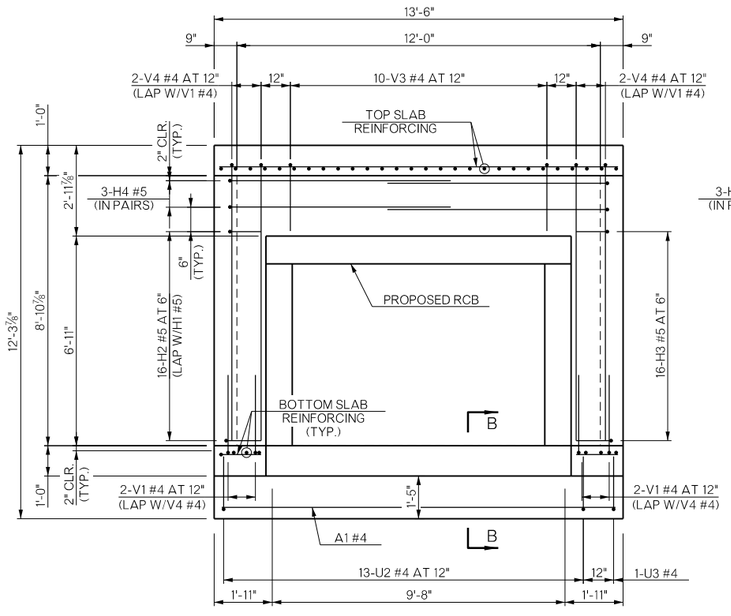


SECTION B-B

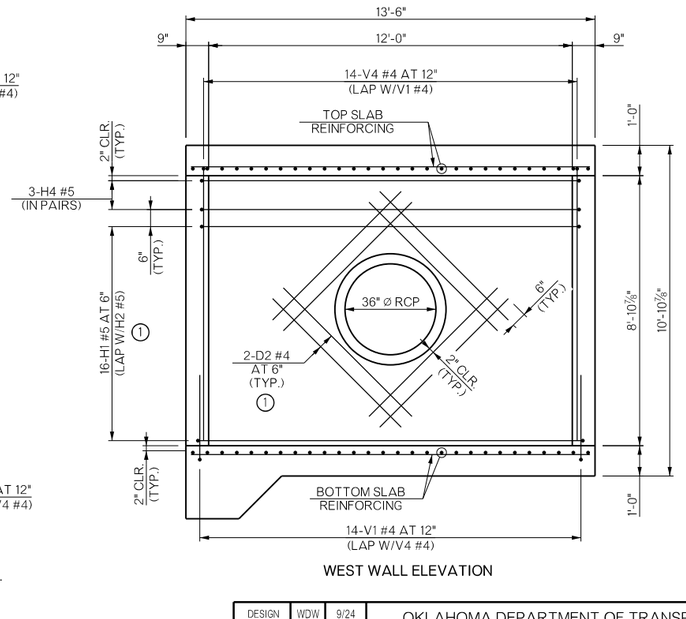
BAR LIST - STR. NO. MH149				
MARK	SIZE	NO.	FORM	LENGTH
EPOXY COATED REINFORCING STEEL				
A1	#6	73	STR.	13'-2"
A2	#6	41	STR.	12'-5"
A3	#6	3	STR.	1'-7"
A4	#6	2	STR.	1'-4"
A5	#6	1	STR.	1'-2"
A6	#6	1	BENT	3'-1"
D1	#4	8	STR.	4'-11"
D2	#4	8	STR.	6'-0"
H1	#5	16	BENT	16'-11"
H2	#5	16	BENT	13'-6"
H3	#5	16	BENT	2'-4"
H4	#5	6	BENT	28'-3"
U1	#4	13	BENT	7'-8"
U2	#4	13	BENT	7'-6"
U3	#4	2	BENT	7'-5"
V1	#4	32	BENT	3'-6"
V2	#4	10	BENT	2'-11"
V3	#4	10	BENT	3'-2"
V4	#4	32	BENT	10'-1"



NORTH WALL ELEVATION



EAST WALL ELEVATION



WEST WALL ELEVATION

LEGEND

U.N.O. = UNLESS NOTED OTHERWISE

STR. MH149 DETAILS

1 FIELD TRIM REINFORCING AS NEEDED TO ALLOW FOR PIPE AND MANHOLE OPENINGS.

NOTE:
ROTATE HOOKS ON V BARS AS NECESSARY TO MAINTAIN CLEARANCES.

DESIGN	WDW	9/24
DRAWN	DJG	9/24
CHECKED	WDW	9/24
APPROVED	DPE	3/25
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

JUNCTION BOX DETAILS (SHEET 3 OF 4)

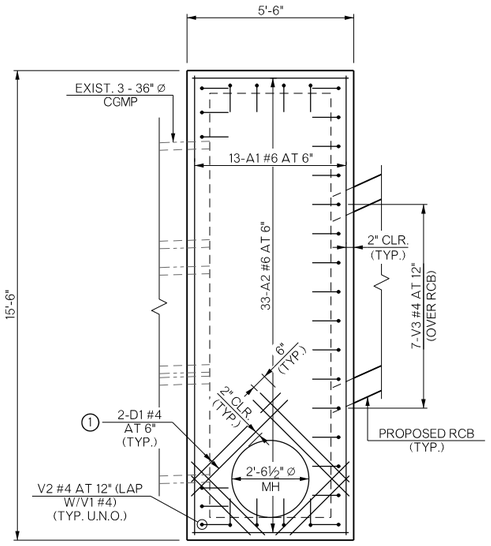
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R148

3/26/2025 11:57:42 L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\Bridge\29843O4_JUNCTION BOX DETAILS 3.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

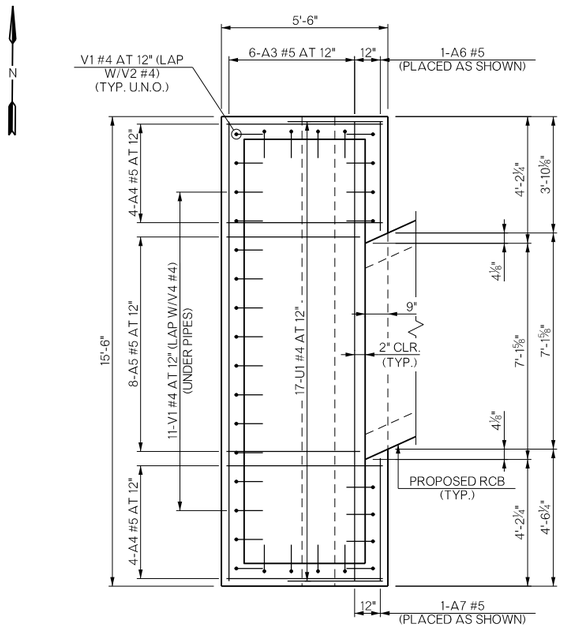
FINAL FIELD MEETING

3/26/2025



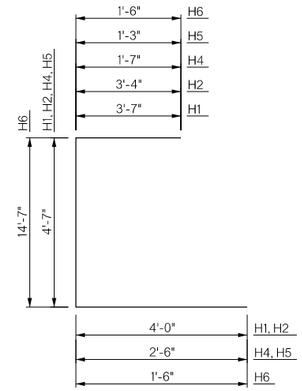
PLAN - TOP SLAB

(HORIZONTAL WALL REINFORCING NOT SHOWN FOR CLARITY)

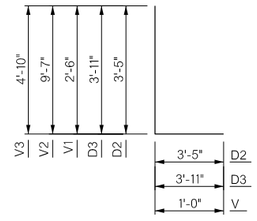


PLAN - BOTTOM SLAB

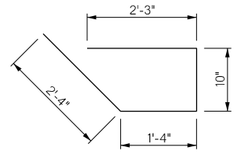
(HORIZONTAL WALL REINFORCING NOT SHOWN FOR CLARITY)



H1 #6 x 12'-2"
H2 #6 x 11'-11"
H4 #6 x 8'-8"
H5 #6 x 8'-4"
H6 #6 x 17'-7"



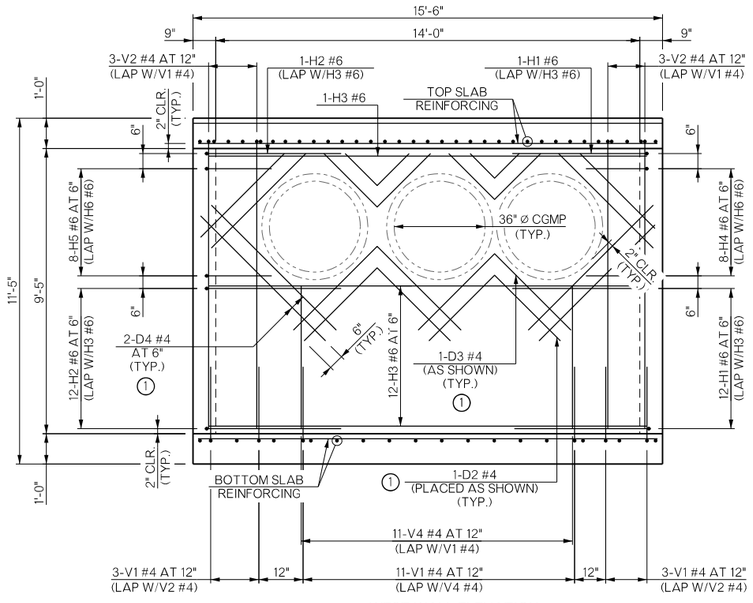
D2 #X x 6'-10"
D3 #X x 7'-10"
V1 #4 x 3'-6"
V2 #4 x 10'-7"
V3 #4 x 5'-10"



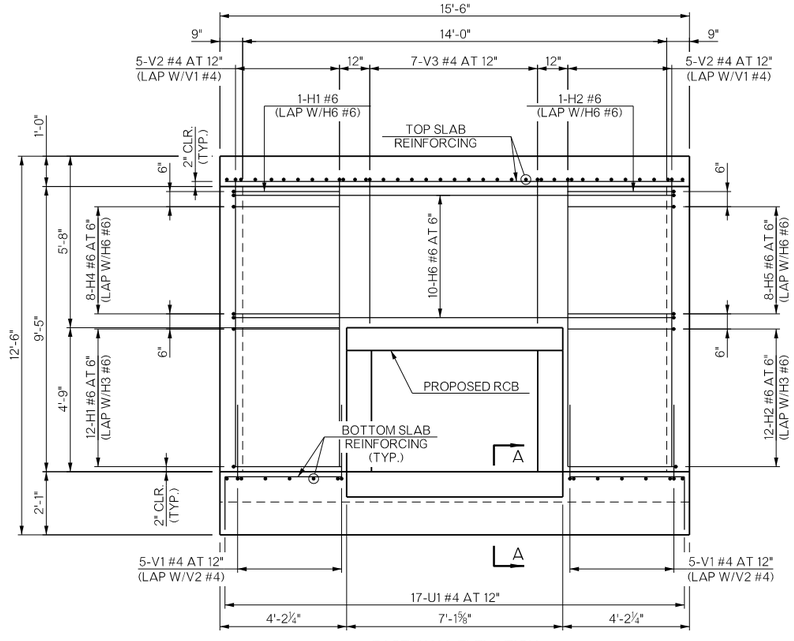
U1 #4 x 6'-9"

BAR LIST - STRUCTURE NO. MH4

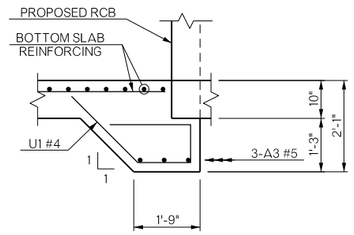
MARK	SIZE	NO.	FORM	LENGTH
EPOXY COATED REINFORCING STEEL				
A1	#6	13	STR.	15'-2"
A2	#6	33	STR.	5'-2"
A3	#5	9	STR.	15'-2"
A4	#5	8	STR.	5'-2"
A5	#5	8	STR.	4'-5"
D1	#4	8	STR.	4'-11"
D2	#4	4	BENT	6'-10"
D3	#4	4	BENT	7'-10"
D4	#4	8	STR.	5'-10"
H1	#6	13	BENT	12'-2"
H2	#6	13	BENT	11'-11"
H3	#6	13	STR.	14'-6"
H4	#6	8	BENT	8'-8"
H5	#6	8	BENT	8'-4"
H6	#6	10	BENT	17'-7"
V1	#4	42	BENT	3'-6"
V2	#4	24	BENT	10'-7"
V3	#4	7	BENT	5'-10"
V4	#4	11	STR.	5'-0"



WEST WALL ELEVATION



EAST WALL ELEVATION



SECTION A-A

1 FIELD TRIM REINFORCING AS NEEDED TO ALLOW FOR PIPE AND MANHOLE OPENINGS.

NOTE:
ROTATE HOOKS ON V BARS AS NECESSARY TO MAINTAIN CLEARANCES.

STR. NO. MH4

DESIGN	WDW	9/24	OKLAHOMA DEPARTMENT OF TRANSPORTATION
DRAWN	DJG	9/24	
CHECKED	WDW	9/24	JUNCTION BOX DETAILS (SHEET 4 OF 4)
APPROVED	XXX	XXX	
SQUAD	GARVER		

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R149

3/26/2025 11:57:43 L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\Bridge\2984304_JUNCTION BOX DETAILS 4.dgn

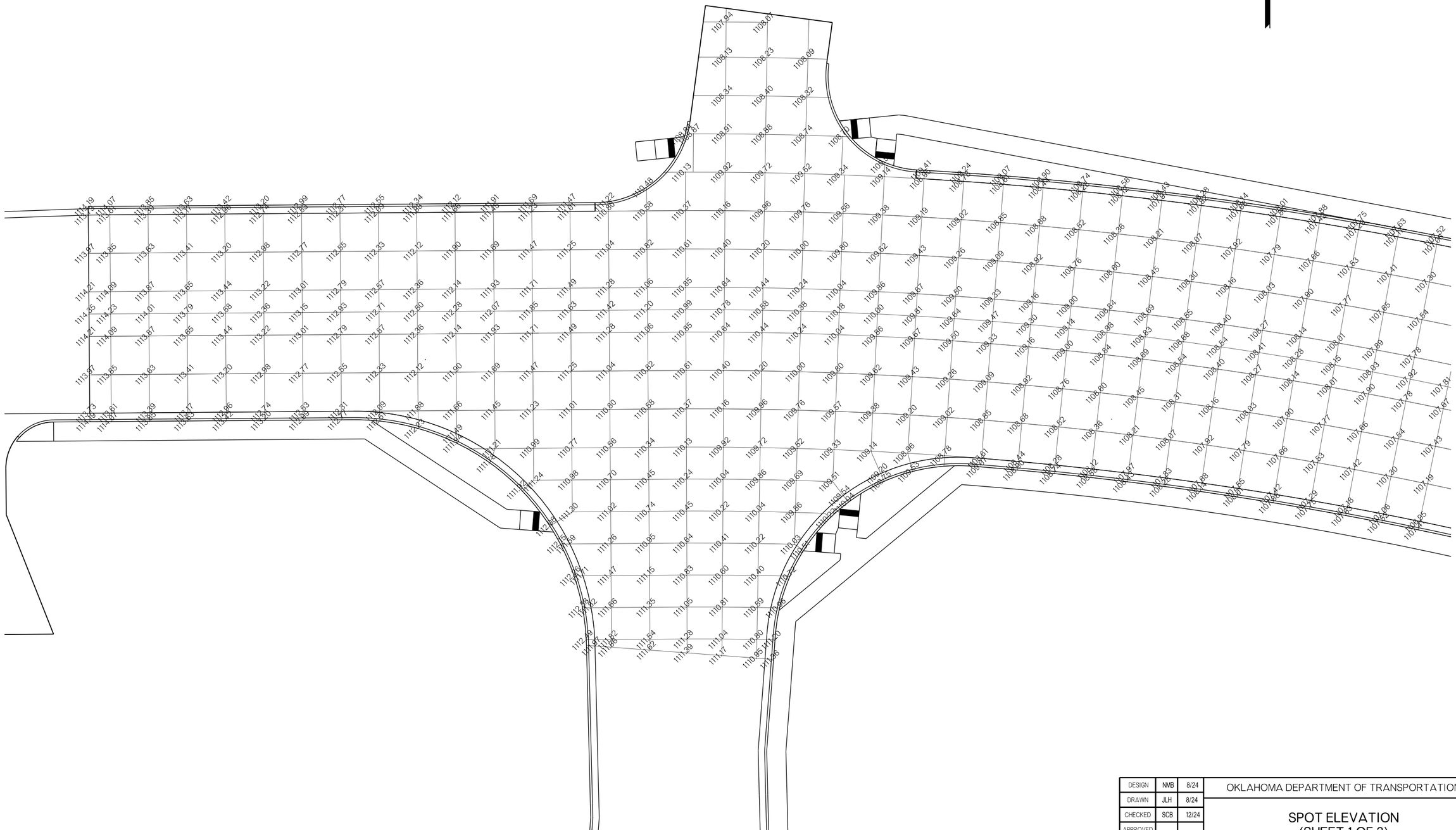
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 15 30 45

SCALE



DESIGN	NMB	8/24
DRAWN	JLH	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SPOT ELEVATION (SHEET 1 OF 3)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R150

3/28/2025 11:39:38 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843(04)_SPOT ELEV_000.dgn

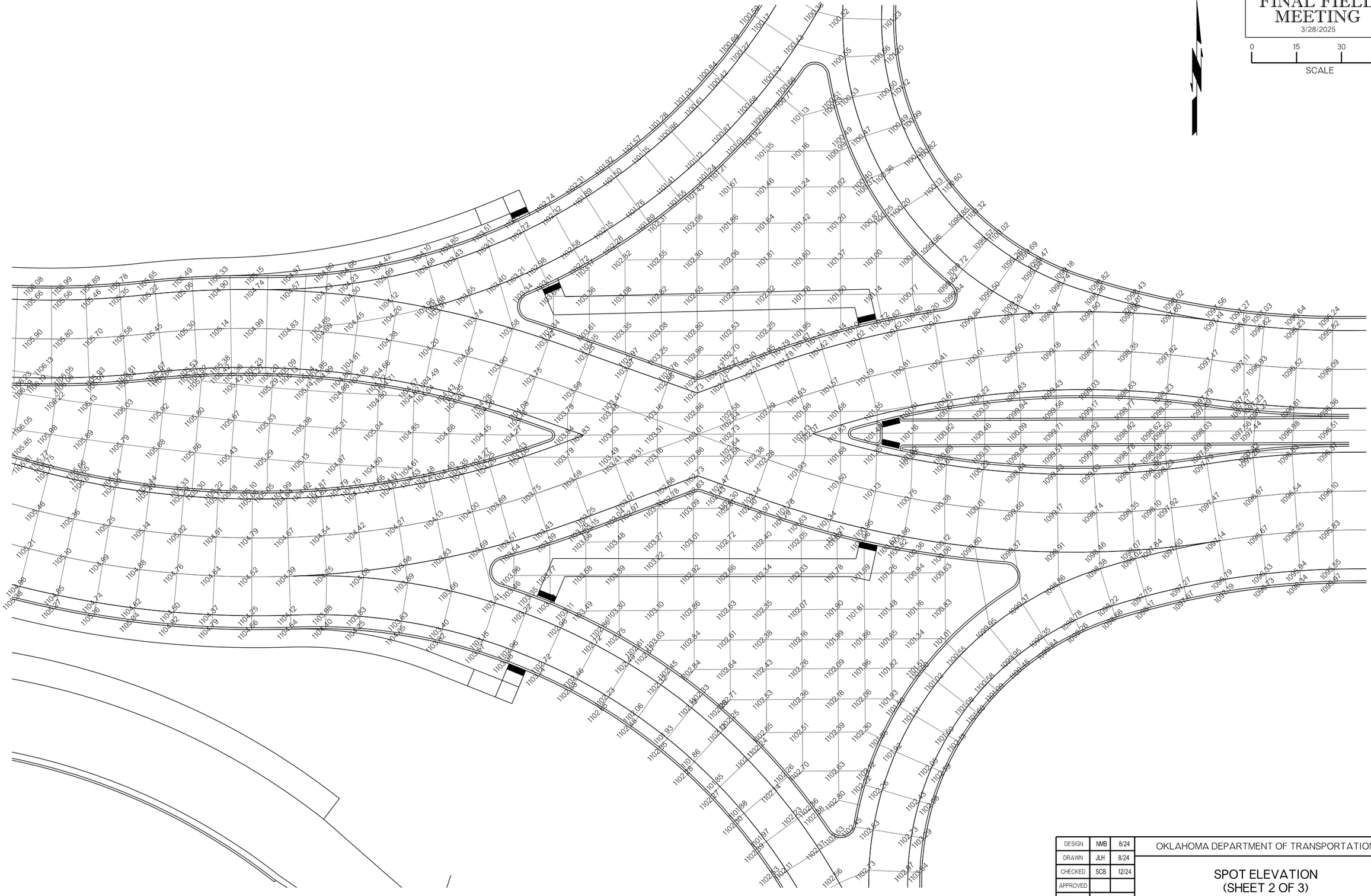
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 15 30 45

SCALE



DESIGN	NMB	8/24
DRAWN	JLH	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SPOT ELEVATION (SHEET 2 OF 3)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R151

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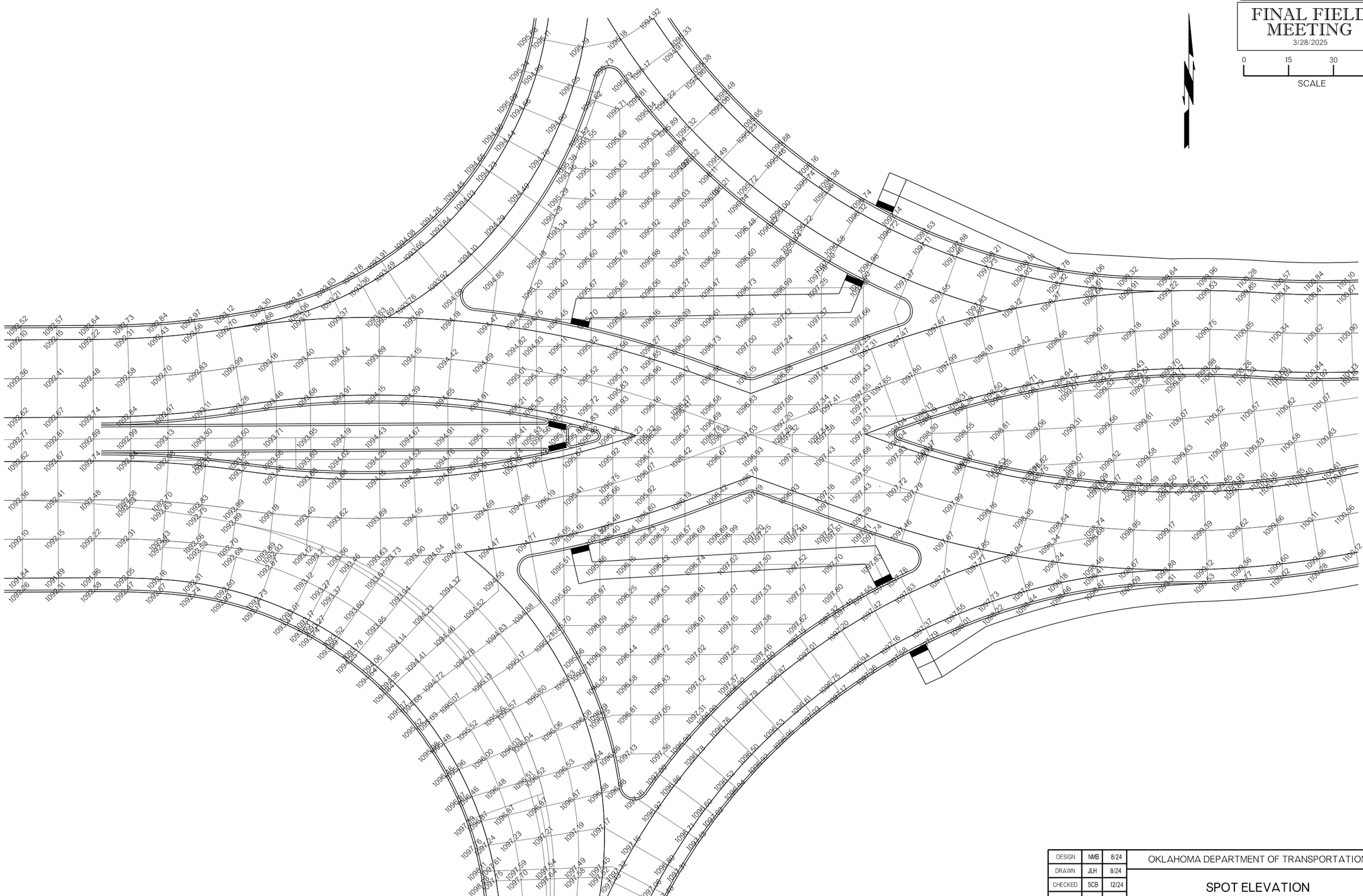
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 15 30 45

SCALE



DESIGN	NMB	8/24
DRAWN	JLH	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SPOT ELEVATION (SHEET 3 OF 3)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R152

3/28/2025 11:39:50 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843(04)_SPOT ELEV_002.dgn

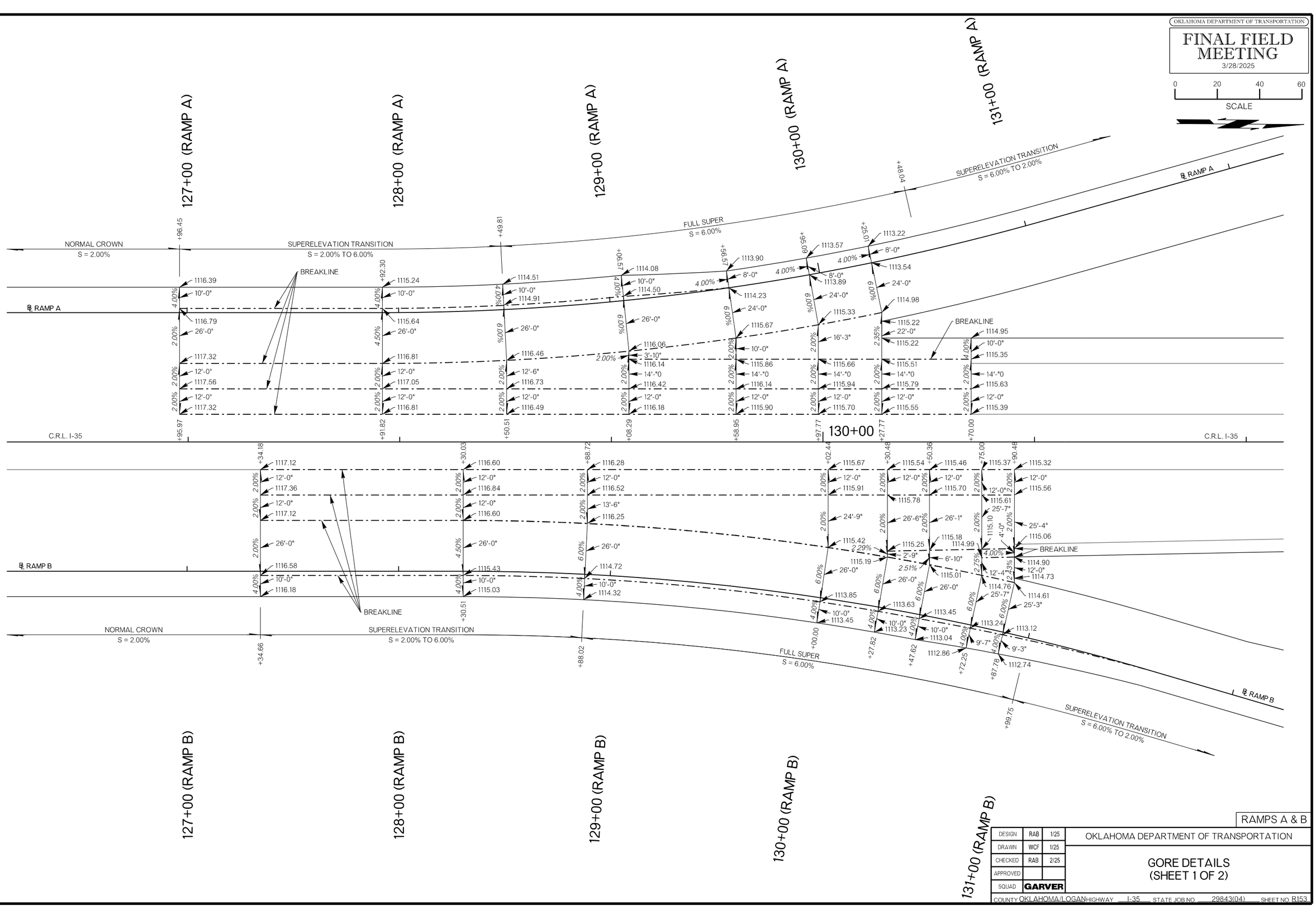
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 20 40 60

SCALE



RAMPS A & B

DESIGN	RAB	1/25
DRAWN	WCF	1/25
CHECKED	RAB	2/25
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

GORE DETAILS
(SHEET 1 OF 2)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R153

3/28/2025 11:39:56 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843(04)_GORE DETAILS_001.dgn

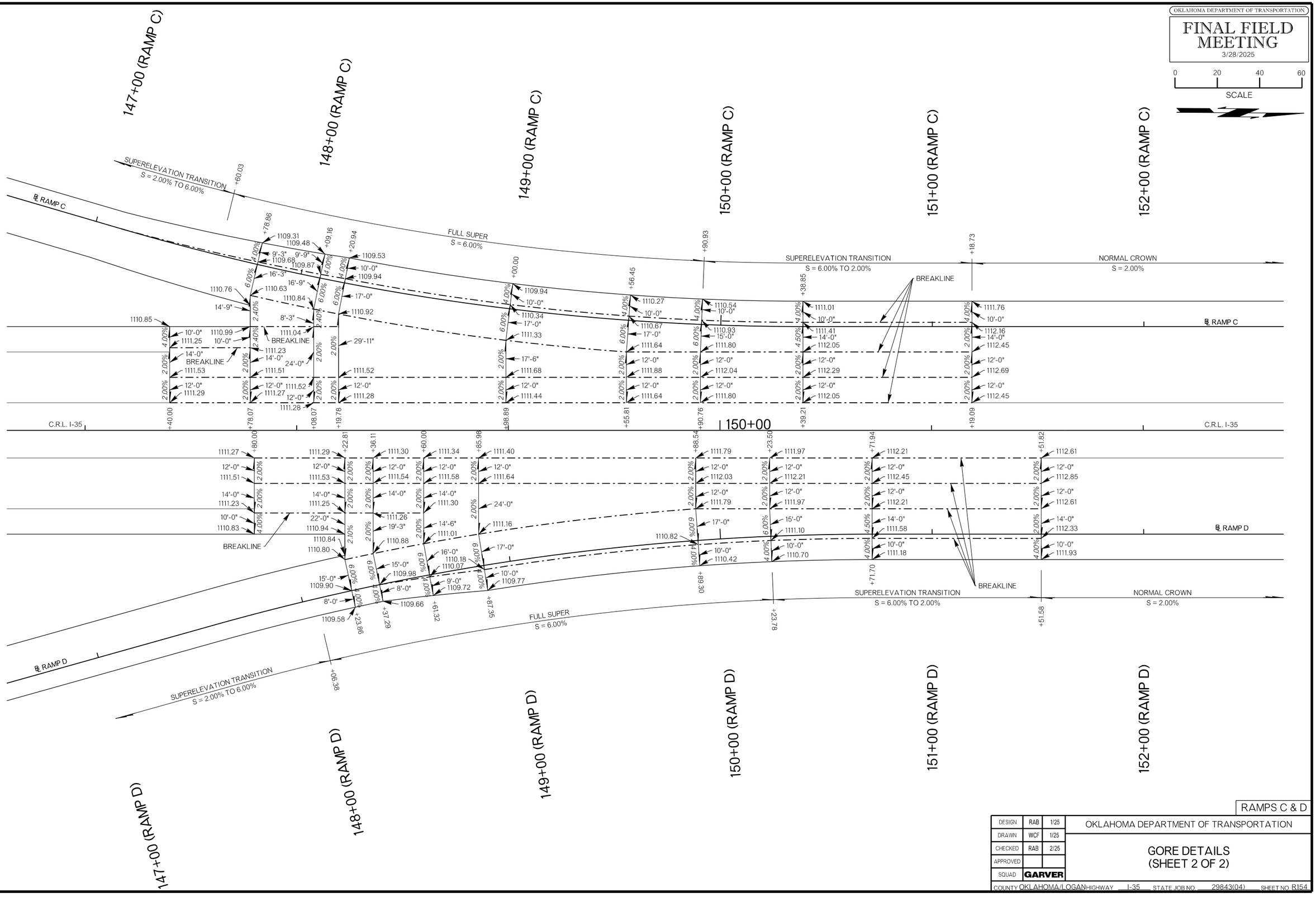
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 20 40 60

SCALE



RAMPS C & D

DESIGN	RAB	1/25
DRAWN	WCF	1/25
CHECKED	RAB	2/25
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

GORE DETAILS
(SHEET 2 OF 2)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R154

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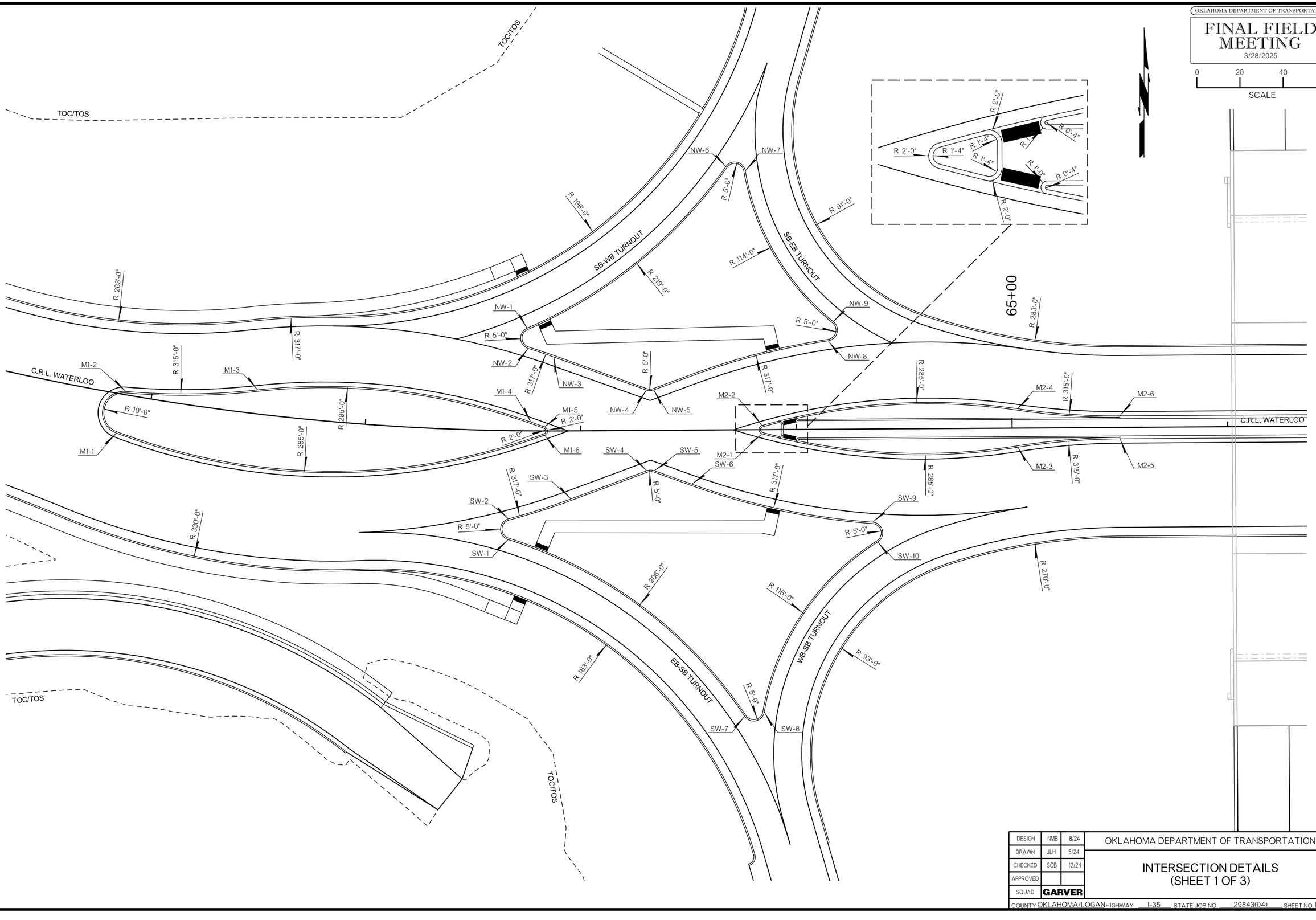
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 20 40 60

SCALE



DESIGN	NMB	8/24
DRAWN	JLH	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS (SHEET 1 OF 3)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R155

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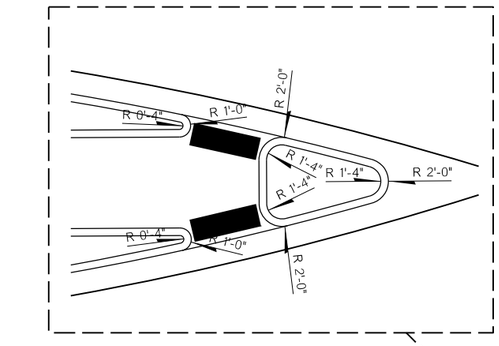
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 20 40 60

SCALE



DESIGN	NMB	8/24	OKLAHOMA DEPARTMENT OF TRANSPORTATION
DRAWN	JLH	8/24	
CHECKED	SCB	12/24	INTERSECTION DETAILS (SHEET 2 OF 3)
APPROVED			
SQUAD	GARVER		

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R156

3/28/2025 11:40:12 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843(04)_INTERSECTION_DETAILS_002.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025

MEDIAN 1			
#	ALG.	STATION	OFFSET
M1-1	C.R.L. WATERLOO	60+86.80	18.26 RT
M1-2	C.R.L. WATERLOO	60+87.81	01.53 LT
M1-3	C.R.L. WATERLOO	61.48.45	11.04 LT
M1-4	C.R.L. WATERLOO	62+76.80	04.11 LT
M1-5	C.R.L. WATERLOO	62+83.22	01.85 LT
M1-6	C.R.L. WATERLOO	62+83.24	01.91 RT

MEDIAN 2			
#	ALG.	STATION	OFFSET
M2-1	C.R.L. WATERLOO	63+84.10	01.93 RT
M2-2	C.R.L. WATERLOO	63+84.10	01.93 LT
M2-3	C.R.L. WATERLOO	65+02.63	08.92 RT
M2-4	C.R.L. WATERLOO	65+02.63	08.92 LT
M2-5	C.R.L. WATERLOO	65+50.00	05.33 RT
M2-6	C.R.L. WATERLOO	65+50.00	05.33 LT

MEDIAN 3			
#	ALG.	STATION	OFFSET
M3-1	C.R.L. WATERLOO	67+75.00	05.33 LT
M3-2	C.R.L. WATERLOO	67+75.00	05.33 RT
M3-3	C.R.L. WATERLOO	68+22.19	08.89 LT
M3-4	C.R.L. WATERLOO	68+22.19	08.89 RT
M3-5	C.R.L. WATERLOO	69+40.37	01.93 RT
M3-6	C.R.L. WATERLOO	69+40.37	01.93 LT

MEDIAN 4			
#	ALG.	STATION	OFFSET
M4-1	C.R.L. WATERLOO	70+41.31	01.89 RT
M4-2	C.R.L. WATERLOO	70+41.97	02.11 LT
M4-3	C.R.L. WATERLOO	71+62.40	11.52 LT
M4-4	C.R.L. WATERLOO	72+43.34	04.00 LT
M4-5	C.R.L. WATERLOO	72+52.44	13.32 RT
M4-6	C.R.L. WATERLOO	73+28.52	04.00 RT
M4-7	C.R.L. WATERLOO	73+28.52	04.00 LT

SOUTHWEST TURNOUTS			
#	ALG.	STATION	OFFSET
SW-1	C.R.L. WATERLOO	62+67.06	50.44 RT
SW-2	C.R.L. WATERLOO	62+67.13	40.83 RT
SW-3	C.R.L. WATERLOO	62+95.28	31.55 RT
SW-4	C.R.L. WATERLOO	63+30.55	18.71 RT
SW-5	C.R.L. WATERLOO	63+33.97	18.71 RT
SW-6	C.R.L. WATERLOO	63+51.35	25.04 RT
SW-7	C.R.L. WATERLOO	63+75.17	132.81 RT
SW-8	C.R.L. WATERLOO	63+84.27	130.92 RT
SW-9	C.R.L. WATERLOO	64+35.09	43.20 RT
SW-10	C.R.L. WATERLOO	64+37.34	52.43 RT

NORTHWEST TURNOUTS			
#	ALG.	STATION	OFFSET
NW-1	C.R.L. WATERLOO	62+74.74	47.59 LT
NW-2	C.R.L. WATERLOO	62+75.33	38.23 LT
NW-3	C.R.L. WATERLOO	62+87.68	34.26 LT
NW-4	C.R.L. WATERLOO	63+30.55	18.71 LT
NW-5	C.R.L. WATERLOO	63+33.97	18.71 LT
NW-6	C.R.L. WATERLOO	63+68.09	122.07 LT
NW-7	C.R.L. WATERLOO	63+77.09	119.96 LT
NW-8	C.R.L. WATERLOO	64+15.03	40.98 LT
NW-9	C.R.L. WATERLOO	64+17.49	49.81 LT

NORTHEAST TURNOUTS			
#	ALG.	STATION	OFFSET
NE-1	C.R.L. WATERLOO	68+97.11	50.94 LT
NE-2	C.R.L. WATERLOO	68+99.81	42.17 LT
NE-3	C.R.L. WATERLOO	69+40.64	119.97 LT
NE-4	C.R.L. WATERLOO	69+49.56	121.54 LT
NE-5	C.R.L. WATERLOO	69+73.31	24.99 LT
NE-6	C.R.L. WATERLOO	69+90.55	18.71 LT
NE-7	C.R.L. WATERLOO	69+93.97	18.71 LT
NE-8	C.R.L. WATERLOO	70+31.01	32.20 LT
NE-9	C.R.L. WATERLOO	70+43.15	36.23 LT
NE-10	C.R.L. WATERLOO	70+43.67	45.59 LT

SOUTHEAST TURNOUTS			
#	ALG.	STATION	OFFSET
SE-1	C.R.L. WATERLOO	69+15.10	47.95 RT
SE-2	C.R.L. WATERLOO	69+17.94	39.63 RT
SE-3	C.R.L. WATERLOO	69+47.35	117.40 RT
SE-4	C.R.L. WATERLOO	69+56.39	119.65 RT
SE-5	C.R.L. WATERLOO	69+90.55	18.71 RT
SE-6	C.R.L. WATERLOO	69+93.97	18.71 RT
SE-7	C.R.L. WATERLOO	70+45.38	46.17 RT
SE-8	C.R.L. WATERLOO	70+44.87	36.81 RT

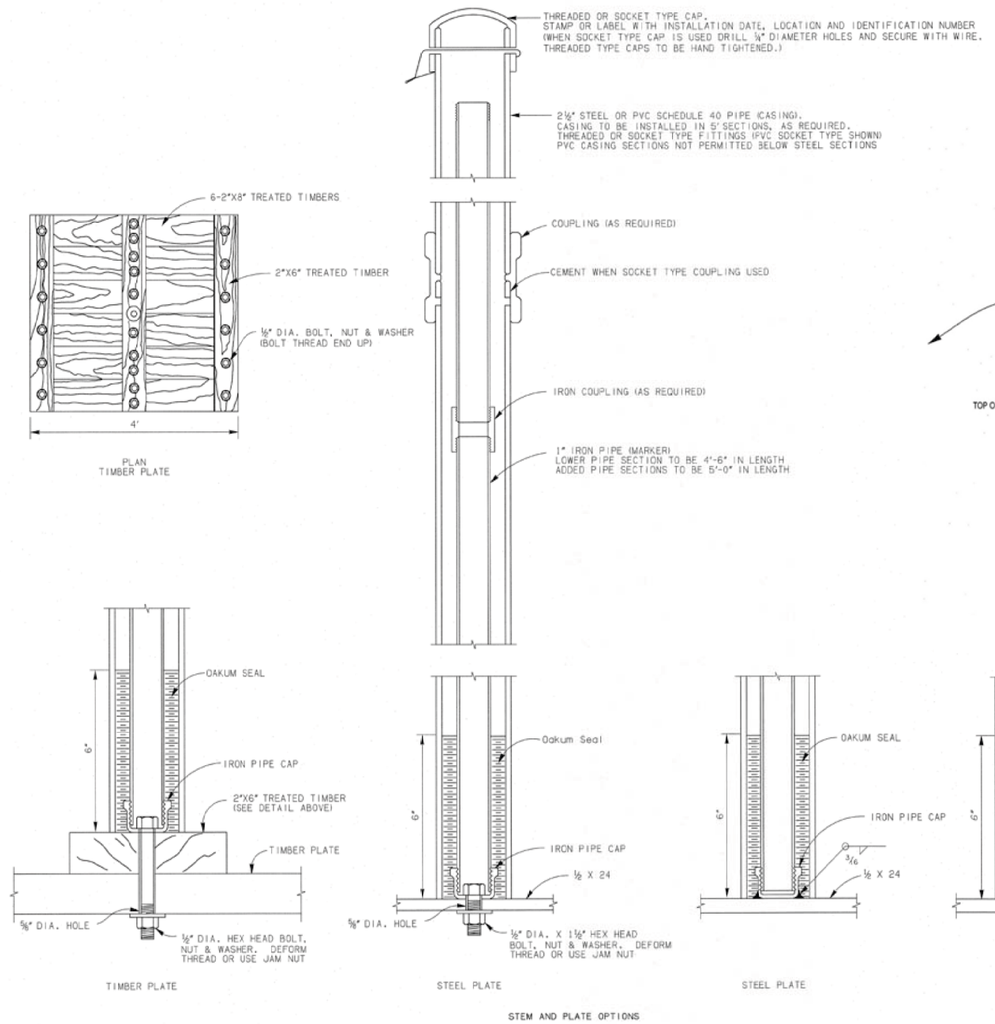
DESIGN	NMB	8/24
DRAWN	JLH	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

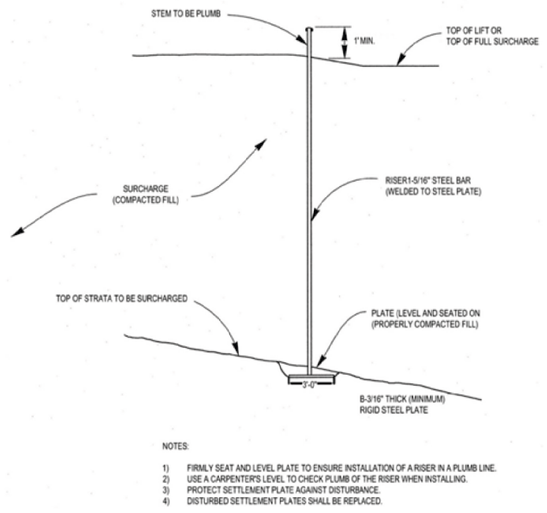
INTERSECTION DETAILS
(SHEET 3 OF 3)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R157

3/28/2025 11:40:15 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843(04)_INTERSECTION_DETAILS_003.dgn



STEM AND PLATE OPTIONS



NOTES:

1) FIRMLY SEAT AND LEVEL PLATE TO ENSURE INSTALLATION OF A RISER IN A PLUMB LINE.
2) USE A CARPENTER'S LEVEL TO CHECK PLUMB OF THE RISER WHEN INSTALLING.
3) PROTECT SETTLEMENT PLATE AGAINST DISTURBANCE.
4) DISTURBED SETTLEMENT PLATES SHALL BE REPLACED.

DIAGRAM IS FOR GENERAL LOCATION ONLY AND IS NOT INTENDED FOR CONSTRUCTION PURPOSED

MEASURE THE ELEVATION OF EACH SETTLEMENT PLATE IMMEDIATELY AFTER PLACEMENT.

MEASURE THE ELEVATION OF THE SETTLEMENT PLATE EVERY 2 TO 3 DAYS WHILE EMBANKMENT FILL IS BEING PLACED AND AFTER EACH SECTION OF RISER PIPE IS ADDED TO THE PLATE. THE LENGTH OF EACH RISER PIPE SHOULD ALSO BE RECORDED.

RECORD THE AMOUNT OF FILL (LIFT HEIGHTS) WHILE FILL IS BEING PLACED, FOR USE IN DATA INTERPRETATION.

MEASURE THE SETTLEMENT OF THE SETTLEMENT PLATE A MINIMUM OF ONCE EACH WEEK AFTER FILL PLACEMENT HAS BEEN COMPLETED.

RECORD ANY EXTREME EVENTS SUCH AS RAINSTORMS OR FLOODING THAT OCCUR DURING THE MONITORING PERIOD.

CONTINUE RECORDING SETTLEMENT PLATE ELEVATIONS UNTIL THE SETTLEMENT VALUES ARE CONSIDERED ACCEPTABLE BY THE ENGINEER.

THE SETTLEMENT PLATE RISER PIPES SHOULD BE FLAGGED FOR HIGH VISIBILITY TO AVOID DISTURBANCE BY CONSTRUCTION EQUIPMENT. A MINIMUM OF TWO STABLE REFERENCE BENCHMARKS FOR EACH SETTLEMENT PLATE LOCATION SHOULD BE INSTALLED.

MEASUREMENTS SHALL BE TO THE NEAREST 1/4 INCH.

MAXIMUM SETTLEMENT ANTICIPATED IS EXPECTED TO OCCUR IN 1 TO 3 MONTHS

FOR ADDITIONAL INFORMATION, REFER TO THE GEOTECHNICAL ENGINEERING REPORT " EMBANKMENT SOIL SURVEY" BY TERRACON CONSULTANTS, INC.

PER THE GEOTECHNICAL ENGINEERING REPORT, A MINIMUM OF 3 SETS OF SETTLEMENT PLATES ARE TO BE INSTALLED AT EACH EMBANKMENT LOCATION. APPROXIMATE STATIONS, SETTLEMENT VALUES AND RECOMMENDED AMOUNT OF PLATES ARE AS FOLLOWS:

SETTLEMENT PLATE LOCATIONS		
LOCATION	APPROX. TOTAL SETTLEMENT (INCH)	# OF SETTLEMENT PLATES RECOMMENDED
I-35 STATION 140+80	5.25	6
RAMP B STATION 137+00	13	3
INDUSTRIAL BLVDSTATION 13+50	10.50	4

DESIGN	NMB	3/25	OKLAHOMA DEPARTMENT OF TRANSPORTATION
DRAWN	JLH	3/25	
CHECKED	SCB	3/25	SETTLEMENT PLATE DETAIL
APPROVED			
SQUAD	GARVER		

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. R158

3/28/2025 9:25:30 AM \\garverinc.local\gdata\Projects\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_SETTLEMENT PLATE DETAIL_001.dgn

STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SWO 4989(1) ; J/P 29843(04) ; Oklahoma & Logan CO.

HORIZONTAL CONTROL:

( ) Oklahoma Coordinate System of 1927 _____ Zone.
(X) Oklahoma Coordinate System of 1983 NORTH Zone.
( ) Oklahoma Dept. of Transportation Plane Coordinate System of 1927 _____ Zone.
( ) Oklahoma Dept. of Transportation Plane Coordinate System of 1983 _____ Zone.
( ) Arbitrary Coordinate System

HORIZONTAL PLANE DATUM DEFINITION:

Oklahoma Department of Transportation coordinates were derived by multiplying the Oklahoma Coordinate Systems of 1927 or 1983 by the combined adjustment factor of 1.00010. The ODOT Coordinate System is 2350 feet above sea level.

1. BM101 (A001) adjusted to BM110 (A001) (A) Order
Stations 152.726' RT. STA. 99+92.85 (BM101) To 369.888' RT. STA. 138 + 10.27 (BM110)
A) Closure before adjustment X NA ; Y NA Angles NA
Trav. Length 3823.59' No. Angles 4 OBS ; 1 : 150,000
B) (BM101) (A001) ; is (3RD) Order before adjustment.
C) Method of Distance Measurement:
( ) Electronic (X) GPS ( ) Triangulation ( ) Chained
D) Instrument used for angles TOPCON GA

2. BM110 (A001) adjusted to BM119 (A001) (A) Order
Stations 369.888' RT. STA. 138 + 10.27 (BM110) To 148.733' RT. STA. 166 + 87.00 (BM119)
A) Closure before adjustment X NA ; Y NA Angles NA
B) BM110 (A001) ; is (3RD) Order; Tied to BM119 (A001)
C) Method of Distance Measurement:
( ) Electronic (X) GPS ( ) Triangulation ( ) Chained
D) Instrument used for angles TOPCON GA

VERTICAL CONTROL IS (2ND) order. Level Line taken from BM101 (A001)
(2ND) order and tied to (BM110) (A001) (2ND) order.
( ) NGVD 29 datum
(X) NAVD 88 datum

ACCURACY DEFINITION:
(1) HORIZONTAL: (3rd Order = Class I = 1 : 10,000')
(3rd Order = Class II = 1 : 5,000')
(2) VERTICAL: (1st Order = 0.017 Ft. x sqrt. of Mi.)
(2nd Order = 0.035 Ft. x sqrt. of Mi.)
(3rd Order = 0.050 Ft. x sqrt. of Mi.)

Distribution:
Copy w/survey reports
Copy in each Alignment and level book

Professional Land Surveyor

2-14-22
Date

(FORM SD #20)
Rev. 11/03

Utilities

Utility	Phone Number
Communication Lines:	
AT&T (USIC)	405-680-5803
Chickasaw Telephone/	405-946-1200
Indian Nation Fiber Optic	
Electric Lines:	
OG&E	405-272-9741
Gas Lines:	
DCP Midstream	405-760-3600
ONG (USIC)	405-250-3891
Oil Pipelines:	
Centurion Pipeline	405-590-3947

THIS SURVEY MEETS THE OKLAHOMA MINIMUM STANDARDS FOR THE PRACTICE OF LAND SURVEYING AS ADOPTED BY THE OKLAHOMA STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS, MAY 17, 2010.

SPECIFICATIONS FOR SURVEYS FOR PRIMARY AND SECONDARY HIGHWAYS DATED JANUARY 2011 GOVERN.

SDS 1 OF 32

STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION

SURVEY OF

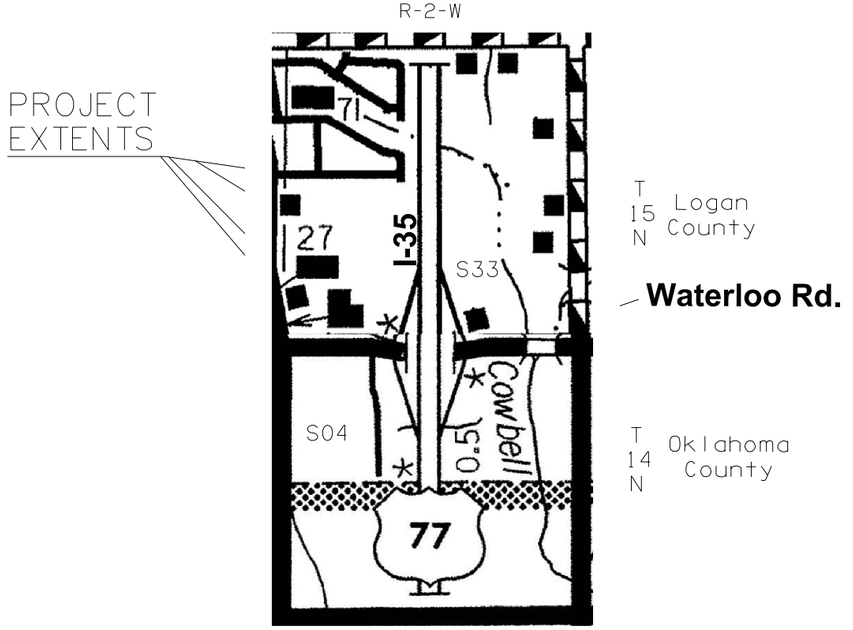
I-35

SWO 4989(1)
J P NO. 29843(04)

OKLAHOMA

I-35, NORTH BOUND & SOUTH BOUND BRIDGES OVER WATERLOO ROAD AT THE LOGAN COUNTY LINE

LOGAN & OKLAHOMA COUNTY



PROJECT LENGTH 9435.89 Ft. 1.78 MI.
(I-35)
BEGINNING STATION : 1007+99.11
ENDING STATION : 1102+35.00

PROJECT LENGTH 7700.00 Ft. 1.45 MI.
(Waterloo Rd.)
BEGINNING STATION : 10+00.00(A002B)
ENDING STATION : 32+00.00(A002B) = 10+00.00(A002)
BEGINNING STATION : 10+00.00(A002)
ENDING STATION : 65+00.00(A002)

Electronic File Transfer Disclaimer:

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INDEX OF SHEETS

1 TITLE SHEET & SURVEYORS CERTIFICATION
1 ODOT FORM SD 20 & UTILITY OWNERS
2-6 HISTORICAL LETTER & WRITTEN REPORT
7-10 ALIGNMENT REPORT
11-14 COGO POINT LIST
15-19 BENCHMARK LIST & DETAIL
20-26 SURVEY DATA SHEETS
27-32 GEOMETRIC DATA SHEETS

SURVEY BEGAN: November 4, 2016
SURVEY COMPLETED August 12, 2022

PERSONNEL:
CLIFF BENNETT, PLS
AARON BURNS, PLS
R. WESLEY BENNETT, PLS
JOSH NUNLEY, PARTY CHIEF
FORREST WOOLMAN, PARTY CHIEF

EQUIPMENT:
TOPCON GPT1005W TOTAL STATION
TOPCON HIPER GPS (STATIC SURVEY)
TOPCON HIPER GPS (RTK SURVEY)
LEICA NA2 DIFFERENTIAL LEVEL

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	OKLA.				

REVISIONS

DESCRIPTION	DATE

STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION

SWO 4989(1) Job/Piece 29843(04) Engr. Contract No. 1500N

LAND SURVEYOR'S CERTIFICATION

I hereby certify that all land and property sub-division distances, angles, corners, and monumentation made or used in conjunction with this survey and depicted or recorded herein or hereon were recovered, established or re-established in substantial conformity with:

- Applicable instructions contained in the U.S. Government Bureau of Land Management publication **"Manual of Survey Instruction"**,
- its supplement, **"Restoration of Lost or Obliterated Corners and Sub-division of Sections"**;
- **"Oklahoma Minimum Standards for the Practice of Land Surveying"** as adopted by the State Board of Licensure for Professional Engineers and Land Surveyors; **and**
- Sound land surveying practices;

including a thorough search, study, analysis and consideration of all existing records and field evidence.

I further certify that all survey monuments depicted exist and that all land survey work was done by me or under my direct supervision.

Dated this 14 day of February , 20 22 .

(seal)

Land Surveyor _____
Signature
Aaron Burns
Printed Name

OKLAHOMA CERTIFIED PROFESSIONAL LAND SURVEYOR AARON BURNS 1923 OKLAHOMA

Oklahoma Licensed Land Surveyor No. 1923

Certificate of Authorization No. 4502

PLS	CDB	
DRAWN	CAH	
CHECKED	GAA	
APPROVED	BAP	
CREW	CHOUTEAU	

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

SWO 4989 (1) PROJECT NO. 29843(04) SHEET NO. S001

OKLAHOMA DEPARTMENT OF TRANSPORTATION					
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	OKLA.				

REVISIONS	
DESCRIPTION	DATE

HISTORIC LETTER

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION (405) 521-2621 FAX 405-522-0364

TO: W. Leroy Tackett, Chief of Surveys Date: March 31, 2017
FROM: Cliff Bennett, Professional Land Surveyor
SUBJECT: SWO 4989(1) J/P 29843(04) – I-35 North Bound and South Bound Bridges Over Waterloo Road at the Logan County Line

HISTORICAL LETTER & WRITTEN REPORT
V3

1. GENERAL

Survey Began: November 4, 2016
Survey Completed: March 31, 2017

The measurement unit for this project will be the U.S Survey Foot.

Personnel on this survey:
Cliff Bennett, PLS
R. Wesley Bennett, PLS
Josh Nunley, Party Chief
Forrest Woolman, Party Chief

2. SURVEY ASSIGNMENT

This survey, detailed in the Survey Special Provisions dated June 19, 2014, and the Amendment to Agreement No. 1, dated October 5, 2016, was assigned to Bennett Surveying Inc. as sub-consultant for Garver. This was a full survey that was completed by Conventional ground methods. The field crew, under direct supervision of Mr. Cliff Bennett began work on the project November 4, 2016.

3. PURPOSE OF SURVEY

The purpose of this survey is to develop plans to construct new bridges over Waterloo Road (EW-89) north of Edmond. The survey includes the Alignment, Topographic/Planimetric data, Surface Features/DTM data, Land Ties, Utilities, Drainage and all other pertinent information needed to aid in the design

4. SURVEY LIMITS

I-35 MAIN SURVEY (A001): This survey will begin at P.O.T. Sta. 1007+99.11 and will extend north to P.O.T. Sta. 1102+35.00, as established under SWO 2150(1) survey as shown on FAP No. I-35-4(8)(9)142 plans and FAP No. I-35-4(10)(11)147 plans (approximate centerline length = 1.78 miles).

WATERLOO ROAD (EW-89) CONNECTION SURVEY (A002 & A002b): This survey will begin at P.O.T. Sta. 10+00.00 (A002b) and will extend east to an equation at P.O.T. Sta. 32+00.00 A002b = Sta. 10+00.00 A002 and continue east to end P.O.T. Sta. 65+00.00 A002 as partially shown on FAP No. I-35-4(8)(9)142 plans (approximate centerline length = 1.45 miles) The station equation was a result of tieing SWO4989(1) Version 2 to Version 3, and to avoid negative stationing.

SOONER ROAD (U.S. 77) SURVEY (A007): This survey will begin at P.O.T. Sta. 251+74.00 and will extend North to P.O.T. Sta. 273+07.27 as shown on FAP No. 130-A-F plans (approximate centerline length = 0.40 miles).

BOUCHER ROAD SURVEY (A008): This survey will begin at P.O.T. Sta. 10+00.00 and will extend North to P.O.T. Sta. 20+28.94, also known as P.O.C. Sta. 16+46.53 (A002) on Waterloo Road (approximate centerline length = 0.19 miles).

AIR DEPOT BOULEVARD SURVEY (A009): This survey will begin at P.O.T. Sta. 10+00.00 and will extend North to P.O.T. Sta. 18+43.48, also known as P.O.T. Sta. 53+21.74 (A002) on Waterloo Road (approximate centerline length = 0.16 miles).

PINE STREET SURVEY (A010): This survey will begin at P.O.T. Sta. 10+00.00, also known as P.O.T. Sta. 52+73.20 (A002) on Waterloo Road and will extend North to P.O.T. Sta. 18+79.84 (approximate centerline length = 0.17 miles).

Also included are 4 on/off ramp CRL alignments for I-35. (A003), (A004), (A005), (A006).

5. MAIN ALIGNMENTS

I-35 MAIN SURVEY: The Centerline of Survey for this alignment will be along and identical to the centerline of present I-35 as established under SWO 2150(1) survey and shown on FAP No. I-35-4(8)(9)142 plans FAP No. I-35-4(10)(11)147 plans.

WATERLOO ROAD (EW-89) CONNECTION SURVEY: The Centerline of Survey for this alignment will be along and identical to the centerline of present Waterloo Road as shown on FAP No. I-35-4(8)(9) plans.

6. STATIONING

Stationing for all alignments is shown on Survey Limits (section 4) of this Historical Letter.

7. HORIZONTAL CONTROL

Horizontal control for this survey is NGS Oklahoma State Plane Coordinate System, NAD83(93), Lambert Projection, North Zone, and was derived from a fully constrained network adjustment using GNSS Base Setup on a 3 1/2" Brass Cap identified as City of Edmond GPS Monument Station 1218. Network observations were used on multiple control point Monuments with a Leica NA2 Laser Level to check from BM 132 to BM 126, and BM 130, and BM 123. RTK calibration was performed on these points and no horizontal error was greater than 0.02 feet. Secondary Horizontal Control for this survey was set along the project with traverses between main control points. In addition, five O.D.O.T. SD-11 GPS Control Stations were set for the project.

8. VERTICAL CONTROL

Differential levels were run through the extent of this survey for all benchmarks. The project was tied into NAVD88 GPS Control utilizing GNSS Base Setup on a 3 1/2" Brass Cap identified as City of Edmond GPS Monument Station 1218 with a published elevation of 1035.3554'(ft.) and tied from BM 132 to BM 126, and BM 130 to BM 123. See Benchmark and Check Level List form.

9. TOPOGRAPHY

All topography information was obtained during the course of this survey by Conventional field methods (RTK and Total Station) survey.

10. CROSS SECTION/DTM

All Cross Section/DTM information was obtained during the course of this survey by Conventional field methods (RTK and Total Station) survey.

11. LAND TIES

Complete land tie information was obtained by conventional field methods including the bounding out of all sections through which the survey centerline passes. Land ties and corners were re-established and used on this survey using conventional field methods. Research on existing monuments was performed with the Hubtack Online Database, the

$$DATE$$

SDS 2 OF 32

PLS	CDB	
DRAWN	CAH	
CHECKED	GAA	
APPROVED	BAP	
CREW	CHOUTEAU	

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

SWO 4989 (1) PROJECT NO. 29843(04) SHEET NO. S002

8-87

Original GLO Survey Plat and Notes, and ODOT Support Branch. In addition, information from existing SWO 2150(1) survey was field verified and utilized to re-establish sections and property lines in the entirety of the project. Mr. Gissandaner was contacted and supplied us with L-42-686 to L-42-693 for Logan County, and O-55-1788 to O-55-1792 for Oklahoma County section corner monuments. L-42-685 and O-55-1784 to O-55-1787 were supplied and used for five new SD-11 sheets. All Land Tie data is shown on the Survey Data Sheets.

12. EXISTING RIGHT-OF-WAY

Existing right-of-way, easements, and property ownerships for this survey were researched from deeds, maps, and documents on file at the Oklahoma and Logan County Court Houses, FAP No. I-35-4(8)(9)142 plans, FAP No. 130-A-F plans, and the SWO 2150(1) survey. The Right-of-Way as shown on SWO 2150(1) survey is shown on the Survey Data Sheets as it pertains.

13. UTILITIES

All utility companies servicing the project extent were contacted with "CALL OKIE" and the locations were obtained by either conventional field methods, RTK, utility drawings, atlas maps, or other information provided by the owning companies. The information was placed in the submitted Microstation Design File and a digital copy of ODOT Form SD-7, List of Public/Privately Owned Utilities was submitted with the completed survey. When possible, Survey crew personnel met with company representatives in the field to obtain horizontal locations of underground utilities. Each company stated it is company policy not to give depths on lines.

14. ENVIRONMENTAL CONCERNS

During the performance of the required conventional survey work, survey crew members shall watch for areas/sites/ that may appear to have previously or are now being used to store or dispose of possible contaminants. Some items/areas to look for would include: old service stations, steel drums, batteries, sewage lagoons, oil field tank batteries, etc. These areas/sites, regardless of how insignificant that they may appear, will be located and documented in the submitted survey notes and a written report submitted to the Survey Division. No obvious environmental concerns were observed during this survey.

15. DRAINAGE INFORMATION

Drainage/Hydraulic information for this survey was calculated from field data. Drainage areas for all drains crossing the Survey Centerline were taken from USGS quad maps that had been brought into the drawing file. All drainage information is included in the SW04989_1_V3_DRA.dgn

16. DATA SUBMITTED

A. Historical Letter & Written Report
B. Form SD-1, Transmittal Letter
C. Form SD-7, Public and Privately Owned Utilities List
D. Five (5) Form SD-11 Position and Description of Survey Monuments
E. Form SD-20, Survey Control Data Statement
F. Form SD-41, Surveyor's Certification
G. Twenty-Nine (29) Oklahoma Certified Corner Record Forms
H. Cogo Data (coordinate list with alignments)
I. Benchmark & Check Level List
J. Alignment Report

Cliff Bennett,
Professional Land Surveyor

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION (405) 521-2621 FAX 405-522-0364

TO: Kyle King, PLS, Chief of Surveys Date: February 14, 2022
FROM: Aaron Burns, Professional Land Surveyor
SUBJECT: SWO 4989(1) J/P 29843(04) – I-35 North Bound and South Bound Bridges Over Waterloo Road at the Logan County Line

HISTORICAL LETTER & WRITTEN REPORT
V6

1. GENERAL

Survey Began: November 4, 2016
Survey Completed: February 14, 2022

The measurement unit for this project will be the U.S Survey Foot.

Personnel on this survey:
Aaron Burns, PLS
Cliff Bennett, PLS
R. Wesley Bennett, PLS
Josh Nunley, Party Chief
Forrest Woolman, Party Chief

2. SURVEY ASSIGNMENT

This survey, detailed in the Survey Special Provisions dated June 19, 2014, and the Amendment to Agreement No. 1, dated October 5, 2016, was assigned to Bennett Surveying Inc. as sub-consultant for Garver. This was a full survey that was completed by Conventional ground methods. The field crew, under direct supervision of Mr. Cliff Bennett began work on the project November 4, 2016.

3. PURPOSE OF SURVEY

The purpose of this survey is to develop plans to construct new bridges over Waterloo Road (EW-89) north of Edmond. The survey includes the Alignment, Topographic/Planimetric data, Surface Features/DTM data, Land Ties, Utilities, Drainage and all other pertinent information needed to aid in the design.

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	OKLA.				

REVISIONS

DESCRIPTION	DATE

HISTORIC LETTER

PLS	CDB	
DRAWN	CAH	
CHECKED	GAA	
APPROVED	BAP	
CREW	CHOUTEAU	

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

SWO 4989 ( ) PROJECT NO. 29843(04) SHEET NO. S003

SDS 3 OF 32

$$DATE$$

HISTORIC LETTER

5. MAIN ALIGNMENTS

I-35 MAIN SURVEY: The Centerline of Survey for this alignment will be along and identical to the centerline of present I-35 as established under SWO 2150(1) survey and shown on FAP No. I-35-4(8)(9)142 plans FAP No. I-35-4(10)(11)147 plans.

The main I-35 alignment and all service ramps were revised from previous versions of this survey to resolve using a corner monument that was in error and part of a pin cushion effect on the Southwest Corner of Section 4, T-14-N, R-2-W. The main alignment was rotated about the A001 crossing with A002 from the bad SW/4 of Section 4 to the newly found and accepted corner monument as shown in this V4 survey.

WATERLOO ROAD (EW-89) CONNECTION SURVEY: The Centerline of Survey for this alignment will be along and identical to the centerline of present Waterloo Road as shown on FAP No. I-35-4(8)(9) plans. The Waterloo Road was completely unaffected by the revised section breakdown.

6. STATIONING

I-35 MAIN SURVEY (A001): Version 4 of this survey held a CRL created by design during previous versions of this survey. The CRL matched the true location of the survey centerline of I-35 as established under SWO 2150(1) survey as shown on FAP No. I-35-4(8)(9)142 plans and FAP No. I-35-4(10)(11)147 plans within 1' of its actual location. Holding the design construction reference line was done in order to decrease design rework. Station equation for this survey 87+12.03 equals 1007+99.11 from FAP Plans I-496(8)(9)142 plans.

All other stationing is unchanged from previous V5.

7. HORIZONTAL CONTROL

Horizontal control for this survey had station and offset distances changed to match new I-35 centerline alignment.

8. VERTICAL CONTROL

Vertical control for this survey had station and offset distances changed to match new I-35 centerline alignment. See Benchmark and Check Level List form.

9. TOPOGRAPHY

All topography information has revised stationing and offset distances to match new I-35 centerline alignment. See ~Topo_V6.dgn for the revised data.

11. LAND TIES

The Southwest Corner of the SE/4 Of Section 4, T-14-N, R-2-W has a pincushion Chiseled "X". Both of which have corner accessories that match previous corner references. The second chiseled "X" we located matches deed calls, subdivisions, FAP Plans, and much physical evidence. The new corner reference for this corner has been refiled to correct our findings.

12. EXISTING RIGHT-OF-WAY

Existing right-of-way, easements, and property ownerships for this survey were researched from deeds, maps, and documents on file at the Oklahoma and Logan County Court Houses, FAP No. I-35-4(8)(9)142 plans, FAP No. 130-A-F plans, and the SWO 2150(1) survey. The Right-of-Way as shown on SWO 2150(1) survey is shown on the Survey Data Sheets as it pertains.

Version 4 of the survey used the above references and moved the Present Right-of-Way to match the revised I-35 Centerline Alignment where necessary.

13. UTILITIES

All utility information has revised stationing and offset distances to match new I-35 centerline alignment. See V6 SD-7 and ~V6_Topo.dgn for the revised data.

15. DRAINAGE INFORMATION

Drainage/Hydraulic information for this survey has revised stationing and offset distances to match new I-35 centerline alignment. See V6_DMAP.dgn for the revised data.

16. DATA SUBMITTED

A. Historical Letter & Written Report V6
B. Form SD-1, Transmittal Letter V6
C. Form SD-7, Public and Privately Owned Utilities List V6
D. Five (5) Form SD-11 Position and Description of Survey Monuments V6
E. Form SD-20, Survey Control Data Statement V6
F. Form SD-41, Surveyor's Certification V6
G. One (1) New and Revised Oklahoma Certified Corner Record Forms
H. Cogo Data V6 (coordinate list with alignments)
I. Benchmark & Check Level List V6
J. Alignment Report V6

Aaron Burns,
Professional Land Surveyor

PLS	CDB	
DRAWN	CAH	
CHECKED	GAA	
APPROVED	BAP	
CREW	CHOUTEAU	

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

SWO 4989 (1) PROJECT NO. 29843(04) SHEET NO. S004

OKLAHOMA DEPARTMENT OF TRANSPORTATION					
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	OKLA.				

REVISIONS	
DESCRIPTION	DATE

HISTORIC LETTER

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION (405) 521-2621 FAX 405-522-0364

TO: Kyle King, PLS, Chief of Surveys Date: August 11, 2022
FROM: Cliff Bennett, Professional Land Surveyor
SUBJECT: SWO 4989(1) J/P 29843(04) – I-35 North Bound and South Bound Bridges Over Waterloo Road at the Logan County Line

HISTORICAL LETTER & WRITTEN REPORT
V7

1. GENERAL

Survey Began: November 4, 2016
Survey Completed: August 11, 2022

The measurement unit for this project will be the U.S Survey Foot.

Personnel on this survey:
Aaron Burns, PLS
Cliff Bennett, PLS
R. Wesley Bennett, PLS
Josh Nunley, Party Chief
Forrest Woolman, Party Chief

2. SURVEY ASSIGNMENT

This survey, detailed in the Survey Special Provisions dated June 19, 2014, and the Amendment to Agreement No. 1, dated October 5, 2016, was assigned to Bennett Surveying Inc. as sub-consultant for Garver. This was a full survey that was completed by Conventional ground methods. The field crew, under direct supervision of Mr. Cliff Bennett began work on the project November 4, 2016.

3. PURPOSE OF SURVEY

The purpose of this survey is to develop plans to construct new bridges over Waterloo Road (EW-89) north of Edmond. The survey includes the Alignment, Topographic/Planimetric data, Surface Features/DTM data, Land Ties, Utilities, Drainage and all other pertinent information needed to aid in the design.

5. MAIN ALIGNMENTS

I-35 MAIN SURVEY: The Centerline of Survey for this alignment will be along and identical to the centerline of present I-35 as established under SWO 2150(1) survey and shown on FAP No. I-35-4(8)(9)142 plans FAP No. I-35-4(10)(11)147 plans.

The main I-35 alignment and all service ramps were revised from previous versions of this survey to resolve using a corner monument that was in error and part of a pin cushion effect on the Southwest Corner of Section 4, T-14-N, R-2-W. The main alignment was rotated about the A001 crossing with A002 from the bad SW/4 of Section 4 to the newly found and accepted corner monument as shown in this V4 survey.

WATERLOO ROAD (EW-89) CONNECTION SURVEY: The Centerline of Survey for this alignment will be along and identical to the centerline of present Waterloo Road as shown on FAP No. I-35-4(8)(9) plans. The Waterloo Road was completely unaffected by the revised section breakdown.

6. STATIONING

I-35 MAIN SURVEY (A001): Version 4 of this survey held a CRL created by design during previous versions of this survey. The CRL matched the true location of the survey centerline of I-35 as established under SWO 2150(1) survey as shown on FAP No. I-35-4(8)(9)142 plans and FAP No. I-35-4(10)(11)147 plans within 1' of its actual location. Holding the design construction reference line was done in order to decrease design rework. Station equation for this survey 87+12.03 equals 1007+99.11 from FAP Plans I-496(8)(9)142 plans.

All other stationing is unchanged from previous V5.

7. HORIZONTAL CONTROL

Horizontal control for this survey had station and offset distances changed to match new I-35 centerline alignment.

8. VERTICAL CONTROL

Vertical control for this survey had station and offset distances changed to match new I-35 centerline alignment. See Benchmark and Check Level List form.

$$DATE$$

SDS 5 OF 32

PLS	CDB	
DRAWN	CAH	
CHECKED	GAA	
APPROVED	BAP	
CREW	CHOUTEAU	

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

SWO 4989 (1) PROJECT NO. 29843(04) SHEET NO. S005

OKLAHOMA DEPARTMENT OF TRANSPORTATION					
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	OKLA.				

REVISIONS	
DESCRIPTION	DATE

HISTORIC LETTER

9. TOPOGRAPHY

All topography information has revised stationing and offset distances to match new I-35 centerline alignment. See ~Topo_V6.dgn for the revised data.

11. LAND TIES

The Southwest Corner of the SE/4 Of Section 4, T-14-N, R-2-W has a pincushion Chiseled "X". Both of which have corner accessories that match previous corner references. The second chiseled "X" we located matches deed calls, subdivisions, FAP Plans, and much physical evidence. The new corner reference for this corner has been refiled to correct our findings.

12. EXISTING RIGHT-OF-WAY

Existing right-of-way, easements, and property ownerships for this survey were researched from deeds, maps, and documents on file at the Oklahoma and Logan County Court Houses, FAP No. I-35-4(8)(9)142 plans, FAP No. 130-A-F plans, and the SWO 2150(1) survey. The Right-of-Way as shown on SWO 2150(1) survey is shown on the Survey Data Sheets as it pertains.

Version 4 of the survey used the above references and moved the Present Right-of-Way to match the revised I-35 Centerline Alignment where necessary.

Version 7 of the survey inserted in the subdivision plats for The Landing at Waterloo Phase I & II. Lot lines were extended or trimmed to existing present right of way as established by SWO 4989_1_V6.

13. UTILITIES

All utility information has revised stationing and offset distances to match new I-35 centerline alignment. See V6 SD-7 and ~V6_Topo.dgn for the revised data.

15. DRAINAGE INFORMATION

Drainage/Hydraulic information for this survey has revised stationing and offset distances to match new I-35 centerline alignment. See V6_DMAP.dgn for the revised data.

16. DATA SUBMITTED

A. Historical Letter & Written Report V7
B. Form SD-1, Transmittal Letter V7
C. Cogo Data V7 (coordinate list with alignments)

Cliff Bennett,
Professional Land Surveyor

$$DATE$$

SDS 6 OF 32

PLS	CDB	
DRAWN	CAH	
CHECKED	GAA	
APPROVED	BAP	
CREW	CHOUTEAU	

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

SWO 4989 (1) PROJECT NO. 29843(04) SHEET NO. S006

8-87

ALIGNMENT REPORT

Alignment Report

Project Name: SWO 4989(1) J/P 29843(04)
Description: I-35 North and South Bound Bridges over Waterloo Road at the Logan County Line
Horizontal Alignment Name: A001(New Centerline)
Description: Centerline of I-35
Style: Centerline

	Station	Easting	Northing
Element: Linear			
POT/POB (372)	87+12.03	2141801.7248	259244.7486
POT/POE (368)	177+00.00	2141743.9751	268232.5316

Tangent Direction: N 00° 22' 05.31" W
Tangent Length: 8,987.9685'

Alignment Report

Project Name: SWO 4989(1) J/P 29843(04)
Description: I-35 North and South Bound Bridges over Waterloo Road at the Logan County Line
Horizontal Alignment Name: A002
Description: Centerline Construction of Waterloo Road
Style: Centerline

	Station	Easting	Northing
Element: Linear			
POT/POB (333)	10+00.00	2140112.5506	264528.6072
PC (334)	15+65.38	2140677.9149	264532.8211

Tangent Direction: N 89° 34' 22.65" E
Tangent Length: 565.3800'

Element: Circular

PC (334)	15+65.38	2140677.9149	264532.8211
PI (357)	16+73.57	2140786.1067	264533.6275
CC (341)		2140686.4560	263386.9373
PT (335)	17+81.13	2140892.5375	264514.1698

Radius: 1145.9150'
Delta: 10° 47' 15.00" Right
Degree of Curvature: 05°00' 00.00"
Length: 215.7500'
Tangent: 1081940'
Chord: 215.4315
Middle Ordinate: 5.0739'
External: 5.0960'
Tangent Direction: N 89° 34' 22.65" E
Radial Direction: S 00° 25' 37.42" E
Chord Direction: S 85° 01' 59.92" E
Radial Direction: S 10° 21' 37.58" W
Tangent Direction: S 79° 38' 22.35" E

Element: Linear

PT (335)	17+81.13	2140892.5375	264514.1698
PC (314)	20+75.37	2141181.9801	264461.2536

Tangent Direction: S 79° 38' 22.35" E
Tangent Length: 294.2400'

Element: Circular

PC (314)	20+75.37	2141181.9801	264461.2536
PI (356)	21+82.93	2141287.7906	264441.9091
CC (344)		2141388.0623	265588.4859
PT (315)	22+89.87	2141395.3527	264442.5935

Radius: 1145.92'
Delta: 10° 43' 30.00" Left
Degree of Curvature: 05°00' 00.00"
Length: 214.5000'
Tangent: 107.5700'
Chord: 214.1870
Middle Ordinate: 5.0153'
External: 5.0400'
Tangent Direction: S 79°38'22.35" E
Radial Direction: N 10° 21' 37.73" E
Chord Direction: S 85° 00' 07.27" E
Radial Direction: N 00° 21' 52.27" W
Tangent Direction: N 89° 38' 07.65" E

Element: Linear

PT (315)	22+89.87	2141395.3527	264442.5935
PC (319)	30+33.35	2142138.8177	264447.3238

Tangent Direction: N 89° 38' 07.65" E
Tangent Length: 743.4800'

Element: Circular

PC (319)	30+33.35	2142138.8177	264447.3238
PI (358)	31+42.31	2142247.7720	264448.0170
CC (345)		2142131.5269	265593.2162
PT (320)	32+50.61	2142354.6434	264469.2315

Radius: 1145.92'
Delta: 10° 51' 46.81" Left
Degree of Curvature: 05°00' 00.00"
Length: 217.2600'
Tangent: 108.9600'
Chord: 216.9348
Middle Ordinate: 5.1451'
External: 5.1700'
Tangent Direction: N 89°38'07.65" E
Radial Direction: N 00° 21' 52.35" W
Chord Direction: N 84° 12' 14.25" E
Radial Direction: N 11° 13' 39.15" W
Tangent Direction: N 78°46' 20.85" E

Element: Linear

PT (320)	32+50.61	2142354.6434	264469.2315
PC (336)	35+48.33	2142646.6655	264527.1993

Tangent Direction: N 78° 46' 20.85" E
Tangent Length: 297.7200'

Element: Circular

PC (336)	35+48.33	2142646.6655	264527.1993
PI (359)	36+56.65	2142752.9133	264548.2900
CC (343)		2142869.7820	263403.2146
PT (337)	37+64.33	2142861.2312	264549.0983

Radius: 1145.92'
Delta: 10° 48' 00.00" Right
Degree of Curvature: 05°00' 00.00"
Length: 216.0000'
Tangent: 108.3300'
Chord: 215.6804
Middle Ordinate: 5.0856'
External: 5.11000'
Tangent Direction: N 78°46'20.85" E
Radial Direction: S 11° 13' 39.15" E
Chord Direction: N 84° 10' 20.85" E
Radial Direction: S 00° 25' 39.15" E
Tangent Direction: N 89°34' 20.85" E

Element: Linear

PT (337)	37+64.33	2142861.2312	264549.0983
POT/POE (370)	65+00.00	2145596.8251'	264569.5117

Tangent Direction: N 89° 34' 20.85" E
Tangent Length: 2735.6700'

OKLAHOMA DEPARTMENT OF TRANSPORTATION					
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	OKLA.				

REVISIONS	
DESCRIPTION	DATE

ALIGNMENT REPORT

Alignment Report

Project Name: SWO 4989(1) J/P 29843(04)
Description: I-35 North and South Bound Bridges over Waterloo Road at the Logan County Line
Horizontal Alignment Name: A002b
Description: Centerline of Waterloo Road
Style: Centerline

	Station	Easting	Northing
Element: Linear			
POT/POB (366)	10+00.00	2137912.6117	264512.2101
POT (377)	21+89.82	2139102.4029	264521.0781
Tangent Direction: N 89° 34' 22.65" E			
Tangent Length: 1189.82'			
Element: Linear			
POT (377)	21+89.92	2139102.4029	264521.0781
POT/POE (333)	32+00.00	2140112.5506	264528.6072
Tangent Direction: N 89° 34' 22.65" E			
Tangent Length: 1010.08'			

Alignment Report

Project Name: SWO 4989(1) J/P 29843(04)
Description: I-35 North and South Bound Bridges over Waterloo Road at the Logan County Line
Horizontal Alignment Name: A003 Ramp 414-A
Description: CRL of Ramp A003
Style: Centerline

	Station	Easting	Northing
Element: Circular			
PC/POB (316)	00+00.00	2141467.7872	264443.0543
PI (354)	01+61.05	2141468.8686	264282.0100
CC (342)		2142613.7027	264443.6654
PT (312)	03+20.00	2141512.3465	264127.2209
Radius: 1145.92'			
Delta: 16° 00' 00.00" Left			
Degree of Curvature: 05°00' 00.00"			
Length: 320.0000'			
Tangent: 161.0479'			
Chord: 318.9613			
Middle Ordinate: 11.1520'			
External: 11.2615'			
Tangent Direction: S 00°23'04.98" E			
Radial Direction: N 89° 36' 55.02" E			
Chord Direction: S 08° 23' 04.98" E			
Radial Direction: N 73° 36' 55.02" E			
Tangent Direction: S 16°23' 04.98" E			
Element: Linear			
PT (312)	03+20.00	2141514.2979	264127.5023
PC (309)	07+86.52	2141641.1764	263678.8403
Tangent Direction: S 16° 23' 04.98" E			
Tangent Length: 466.5214'			
Element: Circular			
PC (309)	07+86.52	2141645.8968	263679.9267
PI (353)	09+18.43	2141683.1072	263553.3723
CC (348)		2140546.5178	263356.6805
PT (307)	10+49.19	2141690.5888	263421.6732
Radius: 1145.92'			
Delta: 13° 08' 00.00" Right			
Degree of Curvature: 05°00' 00.00"			
Length: 262.6700'			
Tangent: 131.9131'			
Chord: 262.0953			
Middle Ordinate: 7.5180'			
External: 7.5676'			
Tangent Direction: S 16°23'04.98" E			
Radial Direction: S 73° 36' 55.02" W			
Chord Direction: S 09° 49' 04.98" E			
Radial Direction: N 86° 44' 55.02" E			
Tangent Direction: S 03°15' 04.98" E			
Element: Linear			
PT (307)	10+49.19	2141690.5888	263421.6732
POT/POE (304)	18+50.28	2141736.0242	262621.8704
Tangent Direction: S 03° 15' 04.98" E			
Tangent Length: 801.0923'			

Alignment Report

Project Name: SWO 4989(1) J/P 29843(04)
Description: I-35 North and South Bound Bridges over Waterloo Road at the Logan County Line
Horizontal Alignment Name: A004 Ramp 414-B
Description: CRL of Ramp A004
Style: Centerline

	Station	Easting	Northing
Element: Circular			
PC/POB (306)	00+00.00	2141820.8070	263122.9126
PI (352)	02+68.41	2141818.9762	263391.3196
CC (349)		2143730.6220	263135.9402
PT (310)	05+33.33	2141891.1991	263649.8336
Radius: 1909.86'			
Delta: 16° 00' 00.00" Right			
Degree of Curvature: 03°00' 00.00"			
Length: 533.3400'			
Tangent: 268.4115'			
Chord: 531.6021			
Middle Ordinate: 18.5866			
External: 18.7690'			
Tangent Direction: N 00°23'26.99" W			
Radial Direction: N 89°36' 33.01" E			
Chord Direction: N 07° 36' 33.01" E			
Radial Direction: S 74°23'26.99" E			
Tangent Direction: N 15°36'33.01" E			
Element: Linear			
PT (310)	05+33.33	2141886.1910	263650.9598
PC (313)	10+32.63	2142025.5478	264130.7192
Tangent Direction: N 15° 36' 33.01" E			
Tangent Length: 499.3000'			
Element: Circular			
PC (313)	10+32.63	2140921.8941	264439.0552
PI (355)	11+93.68	2142067.8690	264285.8239
CC (340)		2140921.8677	264446.2507
PT/POE (318)	13+52.63	2142067.7831	264446.8718
Radius: 1145.92'			
Delta: 16° 00' 00.00" Left			
Degree of Curvature: 05°00' 00.00"			
Length: 320.0000'			
Tangent: 161.0479'			

$$DATE$$

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PLS	CDB	
DRAWN	CAH	
CHECKED	GAA	
APPROVED	BAP	
CREW	CHOUTEAU	

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

SWO 4989 (1) PROJECT NO. 29843(04) SHEET NO. S008

ALIGNMENT REPORT

Chord: 318.9613
Middle Ordinate: 11.1519'
External: 11.2615'
Tangent Direction: N 15° 36' 33.01" E
Radial Direction: N 74°23'26.99" W
Chord Direction: N 07° 36' 33.01" E
Radial Direction: S 89° 36' 33.01" W
Tangent Direction: N 00°23'26.99" W

Alignment Report

Project Name: SWO 4989(1) J/P 29843(04)
Description: I-35 North and South Bound Bridges over Waterloo Road at the Logan County Line
Horizontal Alignment Name: A005 Ramp 3315-B
Description: CRL of Ramp A005
Style: Centerline

	Station	Easting	Northing
Element: Circular			
PT/POB (318)	00+00.00	2142067.7831	264446.8718
PI (360)	01+61.05	2142066.7947	264607.9167
CC (340)		2140921.8891	264439.8388
PT (323)	03+20.00	2142021.4545	264762.4505

Radius: 1145.92'
Delta: 16° 00' 00.00" Left
Degree of Curvature: 05°00' 00.00"
Length: 320.0000'
Tangent: 161.0479'
Chord: 318.9613
Middle Ordinate: 11.1519'
External: 11.2615'
Tangent Direction: S 00° 21' 05.94" W
Radial Direction: S 89° 36' 33.01" W
Chord Direction: N 08°21' 05.94" W
Radial Direction: N 73°38'54.06" E
Tangent Direction: N 16°21'05.94" W

Element: Linear			
PT (323)	03+20.00	2142021.4545	264762.4505
PC (326)	07+86.52	2141890.1143	264439.8388

Tangent Direction: N 16° 21' 05.94" W
Tangent Length: 466.5200'

Element: Circular			
PC (326)	07+86.52	2141890.1143	264439.8388
PI (363)	09+17.85	2142989.6798	265532.7124
CC (350)		2142995.7505	265527.5289
PT (327)	10+49.19	2141845.5714	265468.3799

Radius: 1145.92'
Delta: 13° 08' 00.00" Right
Degree of Curvature: 05°00' 00.00"
Length: 262.6667'
Tangent: 131.9131'
Chord: 262.0920
Middle Ordinate: 7.5178'
External: 7.5676'
Tangent Direction: N 16°21'05.94" W
Radial Direction: N 73°38'54.06" E
Chord Direction: N 09° 47' 05.94" W
Radial Direction: N 87°06' 10.00" E
Tangent Direction: N 03°13'05.94" W

Element: Linear			
PT (327)	10+49.19	2141800.5977	265468.3799
PT/POE (330)	18+50.28	2141810.8089	266268.2065

Tangent Direction: N 03°13'05.94" W
Tangent Length: 801.0900'

Alignment Report

Project Name: SWO 4989(1) J/P 29843(04)
Description: I-35 North and South Bound Bridges over Waterloo Road at the Logan County Line
Horizontal Alignment Name: A006 Ramp 3315-A
Description: CRL of Ramp A006
Style: Centerline

	Station	Easting	Northing
Element: Circular			
PC/POB (328)	00+00.00	2141715.8199	265766.8159
PI (362)	02+66.67	2141717.4366	265498.4076
CC (351)		2139805.9953	265755.3128
PT (325)	05+33.33	2141645.0073	265239.9513

Radius: 1909.85900'
Delta: 16° 00' 00.00" Right
Degree of Curvature: 03°00' 00.00"
Length: 533.3400'
Tangent: 268.4115'

Chord: 531.6021
Middle Ordinate: 18.5866'
External: 18.7690'
Tangent Direction: S 00°20'42.35" E
Radial Direction: S 89°39' 17.65" W
Chord Direction: S 07° 39' 17.65" W
Radial Direction: N 74°20'42.35" W
Tangent Direction: S 15°39'17.65" W

Element: Linear			
PT (325)	05+33.33	2141645.0073	265239.9513
PC (322)	10+32.63	2141510.2748	264759.1731

Tangent Direction: S 15°39'17.65" W
Tangent Length: 499.3000'

Element: Circular			
PC (322)	10+32.63	2141510.2748	264759.1731
PI (361)	11+92.63	2141466.8172	264604.0993
CC (342)		2142613.6820	264449.9562
PT/POE (316)	13+52.63	2141467.7872	264443.0543

Radius: 1145.92'
Delta: 16° 00' 00.00" Right
Degree of Curvature: 05°00' 00.00"
Length: 320.0000'
Tangent: 161.0479'
Chord: 318.9613
Middle Ordinate: 11.1520'
External: 11.2614'
Tangent Direction: S 15°39'17.65" W
Radial Direction: S 74°20'42.35" E
Chord Direction: S 07° 58' 10.00" W
Radial Direction: S 89°39' 17.65" W
Tangent Direction: S 00°20'42.35" E

Alignment Report

Project Name: SWO 4989(1) J/P 29843(04)
Description: I-35 North and South Bound Bridges over Waterloo Road at the Logan County Line
Horizontal Alignment Name: A007 Sooner Rd.
Description: CRL of A007
Style: Centerline

Element: Linear				
PB (374)	251+74.00	2139121.3199	263336.4103
PT (375)	256+74.00	2139118.4074	263836.4018

Tangent Direction: N 00° 20' 01.51" W

ALIGNMENT REPORT

Tangent Length: 500.0000'

Element: Linear

PT	(375)	256+74.00	2139118.4074	263836.4018
PC	(376)	261+44.86	2139115.6646	264307.2518

Tangent Direction: N 00° 20' 01.51" W
Tangent Length: 470.8580'

Element: Circular

PC	(376)	261+44.86	2139115.6646	264307.2518
PI	(9006)	263+57.91	2139114.4184	264521.1920
CC	(390)		2137205.8377	264296.1268
PT	(378)	265+70.97	2139065.8656	264729.5536

Radius: 1909.859'
Delta: 12° 47' 00.00" Left
Degree of Curvature: 03°00' 00.00"
Length: 426.1111'
Tangent: 213.9438'
Chord: 425.2279'
Middle Ordinate: 11.8715'
External: 11.9457'
Tangent Direction: N 00°20'01.51" W
Radial Direction: S 89°39'58.49" W
Chord Direction: N 06° 43' 31.50" W
Radial Direction: N 76°52' 58.49" E
Tangent Direction: N 13°07'01.51" W

Element: Linear

PT	(378)	265+70.97	2139065.8656	264729.5536
PC	(379)	273+07.27	2138898.7675	265446.6464

Tangent Direction: N 13° 07' 01.50" W
Tangent Length: 736.3042'

Alignment Report

Project Name: SWO 4989(1) J/P 29843(04)
Description: I-35 North and South Bound Bridges over Waterloo Road at the Logan County Line
Horizontal Alignment Name: A008 Boucher Rd.
Description: CRL of A008
Style: Centerline

Element: Linear

PT	(393)	10+00.00	2140725.2879	263504.1957
PC	(381)	16+98.42	2140720.9018	264202.6062

Tangent Direction: N 00° 21' 35.33" W
Tangent Length: 698.4243'

Element: Circular

PC	(381)	16+98.42	2140720.9018	264202.6062
PI	(394)	17+65.75	2140720.4790	264269.9350
CC	(391)		2141598.8845	264208.1200
PT	(382)	18+32.82	2140730.3271	264336.5411

Radius: 878.0000'
Delta: 08° 46' 13.39" Right
Degree of Curvature: 06°52' 57.00"
Length: 134.3973'
Tangent: 67.3302'
Chord: 134.2662'
Middle Ordinate: 2.5703'
External: 2.5779'
Tangent Direction: N 00° 21' 35.33" W
Radial Direction: S 89°38'24.67" W
Chord Direction: N 04° 01' 31.36" E
Radial Direction: N 81°35' 21.94" W
Tangent Direction: N 08°24'38.06" E

Element: Linear

PT	(382)	18+32.82	2140730.3271	264336.5411
PC	(383)	20+28.94	2140759.0129	264530.5535

Tangent Direction: N 08° 24' 38.06" E
Tangent Length: 195.7700'

Alignment Report

Project Name: SWO 4989(1) J/P 29843(04)
Description: I-35 North and South Bound Bridges over Waterloo Road at the Logan County Line
Horizontal Alignment Name: A009 Air Depot
Description: CRL of A009
Style: Centerline

Element: Linear

BP	(384)	10+00.00	2144422.7032	263717.2491
EP	(9010)	18+43.48	2144418.6006	264560.7196

Tangent Direction: N 08° 24' 38.06" E
Tangent Length: 195.7700'

Alignment Report

Project Name: SWO 4989(1) J/P 29843(04)
Description: I-35 North and South Bound Bridges over Waterloo Road at the Logan County Line
Horizontal Alignment Name: A010 Air Depot
Description: CRL of A010
Style: Centerline

Element: Linear

BP	(386)	10+00.00	2144370.0548	264560.3574
PC	(387)	10+54.13	2144369.6509	264614.4847

Tangent Direction: N 00° 25' 39.15" W
Tangent Length: 54.1288'

Element: Circular

PC	(387)	10+54.13	2144369.6509	264614.4847
PI	(395)	13+24.06	2144367.6366	264884.4089
CC	(392)		2151369.4560	264666.7182
PT	(388)	15+93.73	2140730.3271	264336.5411

Radius: 7000.0000'
Delta: 04° 24' 59.95" Right
Degree of Curvature: 00°49' 06.64"
Length: 539.5962'
Tangent: 269.9318'
Chord: 539.4626'
Middle Ordinate: 5.1987'
External: 5.2026'
Tangent Direction: N 00°25'39.15" W
Radial Direction: N 89°34'20.85" W
Chord Direction: N 01° 46' 50.83" E
Radial Direction: N 86°00' 39.25" W
Tangent Direction: N 03°59'20.81" E

Element: Linear

PT	(388)	15+93.73	2144386.4150	265153.6867
PC	(389)	18+79.84	2144406.3194	265439.1125

Tangent Direction: N 03° 59' 20.81" W
Tangent Length: 286.1189'

OKLAHOMA DEPARTMENT OF TRANSPORTATION					
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	OKLA.				

REVISIONS	
DESCRIPTION	DATE

COGO POINTS LIST

COORDINATE POINT LIST V7

SWO 4989(1) Job Piece 29843(04)

PT NO.	Easting	Northing
100	2141949.247537000	260220.418703000
101	2141946.220923000	260526.519594000
102	2141946.222834000	260652.031201000
103	2141944.909249000	261102.234378000
104	2141944.659323000	261554.077526000
105	2141940.307389000	262002.590809000
106	2141937.516904000	262451.887851000
107	2141934.727327000	262905.366194000
108	2141928.815467000	263358.110403000
109	2142035.125498000	263826.139200000
110	2142138.847692000	264345.260183000
111	2142628.413015000	264559.803638000
112	2143154.592388000	264522.052375000
113	2143389.190514000	264514.679759000
114	2142097.972810000	264831.863131000
115	2141956.123960000	265358.739853000
116	2141928.513470000	265775.591124000
117	2141906.850509000	266252.020381000
118	2141903.593987000	266744.763579000
119	2141899.213425000	267220.506470000
120	2144421.210900000	258893.239500000
121	2144392.570000000	264432.132000000
122	2144936.355000000	264596.628000000
123	2145512.579000000	264603.102000000
124	2141899.111000000	268020.409000000
125	2139152.661750000	264106.245446000
126	2141899.172000000	268820.510000000
127	2139911.472000000	264492.362000000
128	2139245.778000000	264482.744000000
129	2138546.918000000	264486.474000000
130	2138018.258000000	264547.771000000
131	2141959.275000000	259420.447000000
132	2141949.330000000	258620.440000000
133	2141387.775453000	264341.298605000
134	2140690.274399000	264453.018986000
135	2143810.104000000	264515.839000000
136	2141899.207000000	268420.487000000
137	2141949.249000000	259020.424000000
301	2141769.857112533	260559.793628715
302	2141769.145595646	261893.983438991
303	2141768.971010854	262221.353392438
304	2141724.761936812	262620.247193607
305	2141768.557109919	262997.473282072
306	2141812.487015002	263124.491805901
307	2141684.271109303	263420.315567014
308	2141768.272421037	263531.303206161
309	2141641.176380252	263678.840348748
310	2141886.190973685	263650.959758869
311	2141768.022950958	263999.093139640
312	2141512.346504816	264127.220905208
313	2142023.560726679	264130.991050518
314	2141181.980116736	264461.253563764
315	2141395.352708996	264442.593463247
316	2141467.787239521	264443.054330175
317	2141767.785170705	264444.963076237
318	2142067.783101888	264446.871822299
319	2142138.817660750	264447.323781864
320	2142354.643365060	264469.231491565
321	2141767.733985049	264540.943062588
322	2141512.009614730	264758.935101955
323	2142023.223836594	264762.705247266
324	2141767.461145982	265052.552989836
325	2141649.379367725	265238.966393605
326	2141894.394360660	265211.084413296
327	2141851.299631608	265469.609195031
328	2141723.083326408	265765.434346572
329	2141766.937572926	266034.322850227
330	2141810.808921491	266269.675248863
331	2141766.723129664	266436.432793046
332	2141766.327222104	267178.812687478
333	2140112.550587280	264528.607195291
334	2140677.914883551	264532.821089280
335	2140892.537459446	264514.169778116
336	2142646.665503364	264527.199320056
337	2142861.231237838	264549.098320425
338	2143396.886324458	264553.095454117
340	2140921.867674593	264446.260711220
341	2140686.456044486	263386.937317498
342	2142613.702666771	264443.665441266
343	2142869.781983284	263403.214633151
344	2141388.062346017	265588.485875360
345	2142131.526885141	265593.216178459
347	2141767.315700430	265325.282951054
348	2140539.820218242	263362.395812700
349	2143722.346060497	263125.510324371
350	2142995.750522670	265527.538949345
351	2139813.224280865	265764.415828109
352	2141812.343871566	263392.904990322
353	2141677.603710284	263552.058370304
354	2141467.873125583	264282.006419522
355	2142067.868987950	264285.823911646
356	2141287.790624138	264441.909134916
357	2140786.106679144	264533.627526687
358	2142247.772033371	264448.017007410

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PT NO.	Easting	Northing
359	2142752.913338095	264548.290037003
360	2142067.697215827	264607.919732951
361	2141467.701353458	264604.102240827
362	2141723.226469843	265497.021162151
363	2141857.967030672	265337.866391741
364	2141769.545044284	261144.963545503
366	2137912.611693448	264512.210140610
367	2141765.793927056	268178.812591298
368	2141765.526666279	268679.963474012
369	2144418.600644947	264560.719630264
370	2145296.833422432	264567.273126930
371	2141770.184998313	259944.963716145
372	2141770.558779462	259244.073815813
374	2139121.319916023	263336.410255644
375	2139118.407392586	263836.401772780
376	2139115.664622537	264307.251806275
377	2139102.402891437	264521.078146620
378	2139065.865616500	264739.553584186
379	2138898.767463144	265446.646367121
380	2140740.287886604	263504.195682501
381	2140720.901841191	264202.606192454
382	2140730.327099826	264336.541116527
383	2140759.012940829	264530.553540999
384	2144422.703211882	263717.249054874
385	2144420.643463963	264140.724598281
386	2144370.054764587	264560.357374068
387	2144369.650859106	264614.484666740
388	2144386.414969509	265153.686696230
389	2144406.319385654	265439.112457295
390	2137205.837707752	264296.126786231
391	2141598.884527890	264208.119958185
392	2151369.455974845	264666.718198329
393	2140725.287886604	263504.195682501
394	2140723.059434163	264269.880827304
395	2144372.840849428	264884.380291802
397	2141770.545000000	259269.074000000
398	2141756.183000000	266332.570800000
1001	2141387.799000000	264341.337000000
1003	2141404.485000000	264571.042000000
1004	2141763.870000000	264540.913000000
1005	2139114.403000000	264521.169000000
1006	2139141.449000000	267154.174000000
1007	2139141.455000000	267154.149000000
1008	2141600.872000000	267174.780000000
1009	2139169.133000000	269791.084000000
1010	2139169.708000000	269794.105000000
1011	2141778.540000000	269819.546000000
1012	2141157.288000000	265051.480000000
1013	2141605.440000000	265494.771000000
1014	2141577.899000000	265258.766000000
1015	2141142.511000000	265039.839000000
1016	2141046.317000000	264968.901000000
7600	2141620.521981310	259313.035300967
7601	2141619.705053327	260844.109565835
7602	2141584.598765514	261044.091540413
7603	2141584.545436012	261144.091526193
7604	2141619.438405103	261344.110831031
7605	2141619.163716963	261858.419221856
7606	2141619.149181739	261891.424706551
7607	2141920.509044817	259337.379958568
7608	2141919.705013836	260845.039120302
7610	2141919.438367388	261345.037054631
7611	2141919.161996259	261863.270073634
7612	2141919.126795548	261929.276136731
7613	2141618.430443978	263239.154624281
7614	2141609.366590369	263416.532300598
7615	2141568.973114223	263658.121625402
7616	2141440.143638323	264106.500791317
7617	2141394.196040605	264382.585734745
7618	2141171.190915904	264403.163774436
7619	2140881.748258220	264455.079486632
7620	2140678.356663824	264472.754317823
7621	2140562.783967413	264498.972358682
7622	2140563.101272299	264564.976549132
7623	2140678.332617334	264593.415282370
7624	2140762.950266964	264594.045973349
7625	2140862.993191659	264567.208879274
7626	2141404.498165959	264571.239724368
7627	2141444.605849086	264777.826111263
7628	2141918.283908207	263508.676710654
7629	2142026.856154032	263888.076645971
7630	2142143.386220206	264177.350186976
7631	2142143.284894151	264367.350159958
7632	2142243.282851059	264367.986805335
7633	2142414.770470055	264419.996312433
7634	2142150.962971564	264576.835963754
7635	2142109.765198880	264788.083338207
7636	2141581.975602080	265257.857402912
7637	2141617.199134026	265543.820630256
7638	2141616.328033936	267177.250397980
7639	2141995.949995908	265184.206705319
7640	2141952.854459648	265442.734714140
7641	2141916.911745508	266152.935779609
7642	2141916.364067816	267179.901890798
7643	2139147.761844467	264554.441070664
7644	2139147.609745798	264488.438109974
7645	2142613.039789631	264580.326279846
7646	2142712.913904970	264598.081129474
7647	2142861.679666434	264599.204123658
7648	2142963.041613869	264582.967085467
7649	2144351.482267135	264593.448081725
7650	2142658.347849873	264468.347620351
7651	2142862.285532989	264489.865020155
7652	2142962.713842570	264516.962730767

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PT NO.	Easting	Northing
7654	2144385.760834822	264527.705008809
7655	2141919.987776685	260295.965820935
7656	2141616.211971715	267394.882662488
7657	2141916.737683068	267595.043768933
7658	2141546.025328411	267744.845282066
7659	2141966.383601379	267845.062779207
7660	2141545.705351396	268344.845196744
7661	2141565.652019050	268444.855849425
7662	2141964.683648414	269045.061106975
7663	2141914.602628967	269295.033465188
7664	2141564.963528464	269699.776232017
7665	2141914.333929642	269748.352992895
7666	2141386.989815431	269698.012095487
7667	2140987.319864108	269759.053629310
7668	2140637.337051192	269755.584476292
7669	2140637.185795893	269772.583813947
7670	2139201.802334357	269758.355787074
7671	2139135.792280092	269757.743690002
7672	2133935.926929669	269739.875423388
7673	2133833.130848479	264524.362773453
7674	2133832.803511109	264458.359723146
7675	2133884.139338001	259203.492907630
7676	2133818.760662000	259136.997092370
7677	2139111.971486696	259242.677581962
7678	2144489.378165141	259332.200325081
7679	2149726.731234885	259387.252413311
7680	2149793.364765115	259321.939586689
7681	2149676.788947717	264618.014833273
7682	2149677.309916329	264552.016516564
7683	2149684.073764269	269810.670119638
7684	2149750.680235730	269876.603880362
7685	2139141.172109245	267187.232572970
7686	2139174.483897356	267154.540949572
7687	2141782.020343478	267211.792783766
7688	2144376.111989079	267200.229240455
7690	2144341.496812940	269811.417538190
7691	2144407.497705609	269811.787643880
7692	2144422.837252188	259388.152645244
7693	2139177.755855910	259280.365655643
7694	2142799.546944425	269757.858241480
7695	2142899.469264001	269778.932341270
7696	2143076.737034510	269780.835808793
7697	2143076.596551724	269797.835183899
7698	2136537.130638891	269735.250835643
7699	2133884.645928105	267133.672113068
7700	2136458.509422260	264539.743205427
7701	2136458.224926852	264473.740680926
7702	2139108.475932030	267154.104909853
7703	2133859.662452178	261810.873247342
7704	2136492.422073180	259223.198314148
7705	2139097.008545596	261844.741239503
7706	2139163.004969621	261845.547337648
7707	2147072.803392556	269813.268299886
7708	2149660.360421335	267220.381080546
7709	2144442.111008795	267200.630569087
7710	2147074.184248658	264606.219299260
7711	2147074.340487441	264540.219329218
7712	2149701.743145124	261975.925772480
7713	2144398.389872536	261931.227762392
7714	2144464.386473579	261932.010210756
7715	2141919.144395904	261896.273105183
7716	2147097.492766985	259359.997883250
7717	2144451.759662238	264528.106595561
7718	2140716.943084291	264472.356480098
7719	2140690.026166055	264341.949837228
7720	2140750.073055897	264334.671747929
7721	2140694.291727262	263662.724590573
7722	2140754.285169373	263663.957233294
7723	2139072.867123100	264487.965410641
7724	2139082.665183407	264307.059579738
7725	2140758.133139536	263400.002251170
7726	2140818.129221154	263407.365743554
7727	2144451.480548182	264594.106010380
7728	2144349.657930775	265100.960680435
7729	2144381.991460785	265564.617697249
7730	2139064.907895633	264553.923085897
7731	2139084.249088826	264796.073665572
8000	2142319.960736849	260300.590978730
8004	2141979.730835128	260796.636725437
8005	2142318.769777984	260800.617148519
8006	2142318.600335639	260950.617052817
8007	2141979.650820633	260946.674661633
8010	2141979.571160790	261096.047578576
8011	2142318.430893293	261100.616957115
8012	2142318.249268232	261251.471810441
8013	2141979.490375083	261247.531636395
8016	2142318.436157433	261373.900454555
8017	2142319.330772018	261698.951197890
8020	2142319.161329672	261848.951102137
8024	2141979.095846181	261996.028579726
8025	2142319.081335418	261998.951080807
8026	2142379.081068680	261999.467248930
8027	2142319.001341165	262148.951059476
8028	2141979.015851927	262146.028558396
8030	2142378.919130319	262299.466776589
8031	2142318.921346911	262298.951038146
8032	2141978.936115659	262295.544779562
8036	2141559.550893256	261996.022588633
8037	2141142.500893256	261996.022588633
8039	2141978.625630741	262447.271867013
8040	2142318.845023035	262447.651817355
8041	2142318.724029616	262668.800681469
8042	2141978.741926386	262665.341836003
8044	2142318.617370611	262868.800653028

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PLS	CDB	
DRAWN	CAH	
CHECKED	GAA	
APPROVED	BAP	
CREW	CHOUTEAU	

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

SWO 4989 ( ) PROJECT NO. 29843(04) SHEET NO. S011

$$DATE$$

SDS II OF 32

8-8

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	OKLA.				

REVISIONS	
DESCRIPTION	DATE

COGO POINTS LIST

PT NO.	Easting	Northing
8046	2142300.790118230	262918.626112123
8048	2141141.940933481	263046.022439321
8049	2141558.988987227	263046.050726766
8050	2142300.668639246	263216.556248071
8051	2142272.834536369	263216.027401714
8053	2141142.705852646	263401.455698571
8054	2141549.444771080	263413.470344836
8056	2141142.757658598	263441.750190713
8057	2141533.258505633	263553.949916495
8059	2141051.261360896	263727.598842094
8061	2141453.117591718	263843.061226476
8062	2142216.272327662	263821.779023318
8063	2142314.308631891	263787.866156812
8064	2142342.946046444	264136.892703044
8066	2141349.027803588	264240.620848285
8067	2141235.741427379	264332.227469547
8068	2140928.566688139	264153.701202856
8069	2140944.074557216	264335.817923603
8070	2141149.054002962	264196.529074220
8071	2141176.783579699	264343.361749808
8072	2141187.344833490	264399.328490189
8073	2140982.020439687	264436.747620575
8074	2141979.997823345	260295.997929704
8075	2142322.627406198	264752.736205291
8076	2141979.425086065	261369.957327396
8077	2141979.251743917	261694.997149015
8078	2141979.171199605	261846.028561164
8079	2140439.564646577	264171.190003007
8080	2140691.098497446	264171.197498236
8081	2140750.433060464	264277.346538224
8082	2141978.627323232	262865.869870564
8083	2141978.600923548	262915.372827526
8084	2141978.443568876	263210.433990232
8085	2140177.977590503	264496.107943816
8086	2140439.189109885	264498.052345480
8087	2140780.198244203	264468.730804882
8088	2142115.926838319	264765.859116104
8089	2142306.505191088	264578.010858248
8090	2143422.330003177	264520.432275074
8091	2142342.806784400	264398.170854468
8092	2141979.130993768	261930.122130482
8096	2142719.146616386	261852.269358440
8097	2142719.465175916	261254.927418042
8098	2142718.906569630	262302.389294432
8099	2142718.746581123	262002.389337092
8101	2144419.886731772	263237.821327577
8102	2140442.577759412	260327.310082349
8103	2140446.671422584	260548.210640257
8104	2139171.841230371	260308.922278518
8105	2139170.581724094	260527.951110364
8106	2141619.853335339	260566.836379545
8107	2141618.533425341	263046.050726766
8108	2140177.909012147	263679.490466253
8109	2140440.129567014	263679.490466253
8110	2140753.931899396	263720.210062823
8111	2140451.042596194	259297.394640026
8112	2141559.149770879	261890.303993194
8113	2141590.278659192	263570.333096377
8114	2140788.206604179	263250.035720103
8115	2140788.335672241	263008.015754519
8116	2140439.880051243	263008.015754519
8118	2140434.475847897	261869.296647000
8119	2140758.946225216	261875.357302810
8120	2140818.945636082	261876.478008439
8121	2141142.561630932	261882.522705572
8122	2142099.166743158	261847.060037850
8123	2142099.091389736	261997.060052784
8124	2142219.086933290	261998.091525841
8125	2142219.162286712	261848.091510908
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PT NO.	Easting	Northing
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PT NO.	Easting	Northing
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8370	2141234.326912687	269349.841038202
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$$DATE$$

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PLS	CDB	
DRAWN	CAH	
CHECKED	GAA	
APPROVED	BAP	
CREW	CHOUTEAU	

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

SWO 4989 (1) PROJECT NO. 29843(04) SHEET NO. S012

OKLAHOMA DEPARTMENT OF TRANSPORTATION					
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	OKLA.				

REVISIONS	
DESCRIPTION	DATE

COGO POINTS LIST

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PT NO.	Easting	Northing
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8501	2138362.076826859	264575.101182602
8502	2138387.212472877	264550.236143863
8503	2138716.357601881	264552.026828840
8504	2139026.464505719	264753.229573483
8505	2138990.380856323	264908.080623864
8506	2138954.298688593	265062.925315755
8507	2139014.202217648	265096.676064698
8508	2139087.337532716	265096.676064698
8509	2139005.299066664	265134.883460698
8510	2139087.731778165	265135.048504655
8511	2138918.031861179	265217.740597123
8512	2138882.134144479	265372.615594960
8513	2138850.374074032	265508.913094297
8514	2138918.272522678	265508.353217021
8515	2139091.552610652	265506.935271155
8516	2138832.440849496	265624.1715550 11
8517	2139092.735425964	265622.060276873
8518	2138817.111729681	265845.107174468
8519	2139016.560638417	264795.731490008
8521	2139083.882870757	264098.019598122
8522	2139150.395548831	264010.200624488
8523	2139085.462287107	263826.881942608
8524	2139087.226588370	263524.005181490
8525	2139152.230469727	263695.200624488
8526	2139151.358268165	263844.931052998
8527	2139470.600396099	264490.842382033
8528	2139910.456396398	264494.116574308
8529	2138503.613765141	269752.270279218
8530	2138703.844076971	269754.003876172
8531	2138893.834825026	269755.648818834
8532	2139083.825573082	269757.293761496
8533	2139273.816756354	269759.069619411
8534	2139463.806984083	269760.952869524
8535	2139653.797211811	269762.836119637
8536	2139950.366968962	269765.774832381
8537	2140171.981212761	269767.972542124
8538	2140228.058987940	269768.528404801
8539	2140447.195835433	269770.700566483
8540	2140852.325690254	269757.715519470
8541	2141072.006631085	269746.119431646
8542	2141565.168338268	269351.822331058
8543	2141565.274998860	269151.819383453
8544	2141565.381659452	268951.816435847
8545	2141565.488320044	268751.813488241
8546	2141565.594980637	268551.810540636
8547	2141545.709008510	268337.987618524
8548	2141545.858741121	268057.218843927
8549	2141547.424277410	267737.869882853
8550	2141585.484504196	267548.095076128
8551	2141616.231493688	267358.276340092
8552	2138889.015224444	267153.246498298
8553	2139102.424141051	267154.081238521
8554	2139297.415863901	267155.684231861
8555	2139492.407431450	267157.497677230
8556	2139687.398999000	267159.311122600
8557	2139882.390566549	267161.124567970
8558	2140077.382134098	267162.938013340
8559	2140272.373701647	267164.751458709
8560	2140467.365269196	267166.564904079
8561	2140657.357052962	267168.331850849
8562	2140847.348836727	267170.098797620
8563	2141037.340620494	267171.865744390
8564	2141247.331544522	267173.818685606
8565	2142763.434696365	269757.470475045
8566	2142776.931086819	267187.013614129
8567	2141916.396754631	267118.609908601
8568	2142656.818606117	267185.997734604
8569	2143049.731928589	267189.244769153
8570	2141916.624440837	266691.668989432
8571	2141916.704720490	266541.134314478
8572	2141916.844288528	266279.426292926
8573	2141916.900520632	266173.983865667
8574	2141921.245721559	266067.299664389
8575	2141945.060024023	265596.746914337
8576	2142869.615526203	264597.932888629
8577	2143012.451951997	264583.340807521
8578	2143309.915761662	264585.586288499
8579	2143468.531242517	264586.783637667
8580	2140693.933313543	263719.796482196
8581	2144446.849349122	265882.460461495

$$DATE$$

SDS 13 OF 32

PLS	CDB	
DRAWN	CAH	
CHECKED	GAA	
APPROVED	BAP	
CREW	CHOUTEAU	

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

SWO 4989 (1) PROJECT NO. 29843(04) SHEET NO. S013

OKLAHOMA DEPARTMENT OF TRANSPORTATION					
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	OKLA.				

REVISIONS	
DESCRIPTION	DATE

COGO POINTS LIST

PT NO.	Easting	Northing
8582	2144449.223706544	265221.937362954
8583	2144752.297768866	264595.495374185
8584	2145084.795413400	264597.031058184
8585	2145417.293057934	264598.566742183
8586	2145749.790702468	264600.102426182
8587	2145082.762130878	264531.020963258
8588	2145415.868823340	264532.559460224
8589	2144454.786432873	263905.815232487
8590	2144455.416341458	263776.308666398
8591	2144457.943845724	263256.664377472
8592	2144388.462396410	263972.275263836
8593	2144389.630711907	263732.074491994
8594	2144390.920147300	263466.971976744
8595	2141980.077464540	260146.659983206
8596	2142320.433415002	260150.618732928
8597	2141980.157460843	259996.656160471
8598	2142320.906107559	260000.619477724
8599	2141980.237457146	259846.652337737
8600	2142321.378800116	259850.620222520
8601	2141980.317458726	259696.638620403
8602	2142321.851492672	259700.620967316
8603	2141980.477446057	259396.640869533
8604	2142322.796877786	259400.622456908
8605	2141981.654988165	259338.613791740
8606	2142322.970458786	259345.540098451
8607	2138825.030330545	264486.617076482
8608	2138607.033556663	264485.431084306
8609	2138419.140908767	264484.408870966
8610	2138092.225746762	264482.630317929
8611	2140440.622973545	263250.035720103
8612	2143764.706594971	267195.176588044
8613	2143763.189118752	266540.361993495
8614	2143764.869114241	266540.365886740
8615	2143764.184249354	266060.272002036
8616	2144380.206916064	266061.060454878
8617	2138716.094407638	264679.985019393
8618	2138694.948016132	264773.715131356
8620	2140653.110200000	267168.728900000
8621	2140658.685600000	266504.949400000
8622	2140673.409000000	266505.531300000
8623	2141037.854300000	266508.251400000
8624	2141237.384100000	266395.602700000
8625	2141604.376100000	266613.305200000
8626	2141606.490000000	266284.320500000
8627	2141269.543100000	266281.805600000
8628	2141269.564000000	266279.974900000
8629	2141271.117600000	266071.825600000
8630	2141607.839200000	266074.338900000
8631	2141609.188500000	265864.343500000
8632	2141272.684900000	265861.831900000
8633	2141274.249000000	265652.283500000
8634	2141610.534900000	265654.793500000

PT NO.	Easting	Northing
8635	2141605.37120000	265494.75080000
8636	2141275.44310000	265492.28830000
8637	2141276.58230000	265339.66560000
8638	2141587.39030000	265341.98540000
8639	2141550.72690000	265162.93240000
8640	2141276.81900000	265307.94750000
8641	2141243.34040000	265160.63820000
8642	2141157.38570000	265051.38740000
8643	2141226.97000000	264956.93880000
8644	2141493.55720000	264958.92850000
8645	2141471.84140000	264881.43800000
8646	2141434.00770000	264881.15560000
8647	2141434.38090000	264831.15710000
8648	2141457.79980000	264831.33190000
8649	2141142.56690000	265039.80390000
8650	2141046.28030000	264968.86500000
8651	2140946.82470000	264895.59240000
8652	2140916.51640000	264873.26300000
8653	2140808.95500000	264690.96870000
8654	2140798.30590000	264609.70270000
8655	2140819.07640000	264578.82370000
8656	2140949.27080000	264567.85110000
8657	2141049.26790000	264568.59550000
8658	2140696.03330000	264593.54720000
8659	2140728.89940000	264618.79780000
8660	2140739.54850000	264700.06380000
8661	2140715.85160000	264730.90760000
8662	2140343.19350000	264563.33960000
8663	2140161.19890000	264561.98490000
8664	2140011.20330000	264560.86830000
8665	2139861.20780000	264559.75180000
8666	2139711.21220000	264558.63530000
8667	2139561.21670000	264557.51870000
8668	2139436.11350000	264556.58750000
8669	2139411.03540000	264581.29400000
8670	2139409.16950000	264831.28660000
8671	2139433.98210000	264856.47240000
8672	2139558.97840000	264857.40530000
8673	2139708.97390000	264858.52490000
8674	2139858.96950000	264859.64440000
8675	2140008.96500000	264860.76390000
8676	2140159.14400000	264837.30540000
8677	2140214.17790000	264815.29440000
8678	2140341.62470000	264773.52640000
8679	2140445.58820000	264764.020200000
8680	2140529.97160000	264764.650000000
8681	2140666.29570000	264745.506600000
8682	2139349.58180000	264775.840400000
8683	2139351.03720000	264580.846200000
8684	2139326.33280000	264555.770300000
8685	2139114.75760000	264554.195400000
8686	2139117.01770000	264774.104600000

PT NO.	Easting	Northing
8687	2139120.72790000	265135.114600000
8688	2138969.72990000	265287.329400000
8689	2138987.85740000	265316.461000000
8690	2139053.85530000	265331.764800000
8691	2139156.51560000	265343.899900000
8692	2139737.20830000	265348.234100000
8693	2139762.39420000	265323.421400000
8694	2139765.22650000	264943.946900000
8695	2139740.41380000	264918.761100000
8696	2139348.53690000	264915.836200000
8697	2138945.09820000	265392.992600000
8698	2138974.19730000	265374.885300000
8699	2139040.30200000	265390.213900000
8700	2140690.27400000	265403.898100000
9000	2139169.143363000	269791.033681000
9001	2141778.590106000	269816.899437000
9002	2144374.057589000	269844.769072000
9003	2139141.479000000	267154.234000000
9004	2141782.327234233	267178.794210796
9005	2144409.111222000	267200.501946000
9006	2139114.418390000	264521.191955000
9007	2140439.151195000	264531.052977500
9008	2141763.884000000	264540.914000000
9009	2143091.241753000	264550.933896500
9010	2144418.599506000	264560.953793000
9011	2139122.369849036	263156.168753518
9012	2141759.034231649	263206.265225421
9013	2144424.942225064	263256.917324251
9014	2139130.008000000	261844.931000000
9015	2141754.265612165	261893.948494158
9016	2144431.388000000	261931.693000000
9017	2139145.160382000	259209.923466000
9018	2141757.258795757	259244.039713587
9019	2144456.697232217	259298.850133275
9020	2140440.702040342	263181.216989469
9021	2143091.988228356	263231.591274836
9022	2133903.571000000	269772.933000000
9023	2136537.630000000	269768.250000000
9024	2133851.637000000	267133.543000000
9025	2133799.469000000	264491.165000000
9026	2136458.010000000	264506.740000000
9027	2133826.663000000	261810.660000000
9028	2133851.450000000	259170.245000000
9029	2136492.637000000	259190.199000000
9030	2147072.794641294	269846.268300116
9031	2149717.377000000	269843.637000000
9032	2149693.359000000	267220.506000000
9033	2147074.193000000	264573.219000000
9034	2149709.997000000	264585.165000000
9035	2149734.742000000	261976.203000000
9036	2147097.640256987	259326.997639200
9037	2149760.048000000	259354.596000000

$$DATE$$

SDS 14 OF 32

PLS	CDB	
DRAWN	CAH	
CHECKED	GAA	
APPROVED	BAP	
CREW	CHOUTEAU	

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

SWO 4989 ( ) PROJECT NO. 29843(04) SHEET NO. S014

OKLAHOMA DEPARTMENT OF TRANSPORTATION					
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	OKLA.				

REVISIONS	
DESCRIPTION	DATE

COGO POINTS REVISED/ADDED
BY RR PAYNE, LS#1811, OCTOBER 24, 2022.

COGO POINTS LIST

SWO 4989(1) COORDINATE POINT LIST J/P 29843(04)

PT#	NORTHING	EASTING
7800	264599.10080	2142861.37736
7801	264582.96472	2142962.72776
7802	264787.78844	2142107.81423
7803	261346.43009	2141938.22384
7804	263234.79262	2141626.08425
7805	263417.41948	2141615.70951
7806	263658.77029	2141573.94268
7807	264382.58835	2141394.66549
7808	264402.23174	2141171.19010
7809	264455.14795	2140881.74745
7810	264472.82276	2140678.36249
7811	264592.82096	2140677.67401
7812	264593.45165	2140762.29166
7813	264571.23475	2141403.82989
7814	264367.35179	2142143.47435
7815	264367.99019	2142243.81197
7816	264420.29391	2142416.26968
7817	264576.83106	2142150.18893
7818	264786.17944	2142108.28512
7819	265183.26687	2141991.78114
7820	265441.54608	2141947.23827
7821	266150.86615	2141907.35364
7822	264580.32273	2142612.73773
7823	264597.99069	2142712.61150
7824	264765.89367	2142114.01979
7825	264527.70496	2144385.76084
7826	264468.34762	2142658.34785
7827	264489.09999	2142861.67895
7828	264516.96264	2142962.70151
7829	261096.75823	2141989.82910
7830	260846.44371	2141941.43642
7831	261239.94976	2141960.23251
7832	259337.81181	2141951.12992
8750	263919.28483	2140752.68170
8751	263917.47255	2140441.63400
8752	263727.47426	2140442.40281
8753	264756.31670	2142320.81859
8754	264887.75035	2142907.93487
8755	264592.95203	2140695.25859
8756	264578.50590	2140819.29016
8757	264469.02785	2140777.52068
8758	264436.81368	2140982.03278
8759	264399.53820	2141186.47894
8760	264165.27993	2140751.13684
8761	263846.88941	2141456.09094
8762	263641.84516	2141516.37932
8763	263558.03052	2141537.17841
8764	263575.10170	2141594.92245
8765	263414.01647	2141555.80610
8766	263234.93108	2141565.97964
8767	264520.43849	2143423.15532
8768	264598.90830	2142835.58072
8769	264578.00429	2142305.60896
8770	262909.43461	2141928.18098
8771	262859.43333	2141928.50225
8772	262659.42819	2141929.78736
8773	262289.55844	2141932.16390
8774	262139.55460	2141933.12773
8775	261839.54693	2141935.05539
8776	261689.54649	2141936.01919
8777	261362.82552	2141938.11849
8778	261239.54516	2141938.91061
8779	260789.54383	2141941.80203
8780	260289.54558	2141945.01469
8781	260139.54513	2141945.97850
8782	259989.49022	2141946.94265
8783	259839.48952	2141947.90646
8784	259689.48883	2141948.87027
8785	259389.48744	2141950.79788
8786	263209.44238	2141926.25332
8787	263793.10105	2142312.94336

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$$DATE$$

SDS 14A OF 32

PLS	RRP	
DRAWN	RRP	
CHECKED	GPT	
APPROVED	RRP	
CREW	WHE	

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

SWO 4989 (1) PROJECT NO. 29843(04) SHEET NO. S015

OKLAHOMA DEPARTMENT OF TRANSPORTATION					
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	OKLA.				

REVISIONS	
DESCRIPTION	DATE

BENCHMARK & CHECK LEVEL

CHECK LEVELS — **BENCH MARK LIST**

SWO 4989(1) J/P 29843(04) (V3 I-35) — Page 1 of 5 — NAVD 88 DATUM

BM NO.	RUN 1	RUN 2	MEAN DIFF.	UNADJ ELEV.	ADJ. ELEV.	PUBLISHED ELEV.	BENCHMARK DESCRIPTION
B. CAP				1035.350	1035.35	1035.35	CITY OF EDMOND GPS MONUMENT 3 1/2" BRASS CAP SET
TO	82.270	82.230	82.250				FLUSH WITH GROUND 2617.174 RT. OF STA. 83+43.70
BM 132				1117.620	1117.60		#4 REBAR WITH CAP SET FLUSH WITH GROUND 143.59 RT. OF
TO	2.680	2.660	2.670				(A001) STA. 80+86.79
BM 137				1120.300	1120.27		#4 REBAR WITH CAP SET FLUSH WITH GROUND 146.08 RT. OF
TO	2.930	2.990	2.960				(A001) STA. 84+86.76
BM 131				1123.230	1123.23		#4 REBAR WITH CAP SET FLUSH WITH GROUND 158.68 RT. OF
TO	-11.480	-11.480	-11.480				(A001) STA. 88+86.71
BM 100				1111.750	1111.75		#6 REBAR WITH CAP SET FLUSH WITH GROUND 153.79 RT. OF
TO	8.480	8.580	8.530				(A001) STA. 96+86.73
BM 101				1120.230	1120.28		#6 REBAR WITH CAP SET FLUSH WITH GROUND 152.73 RT. OF
TO	0.960	0.940	0.950				(A001) STA. 99+92.85
BM 102				1121.190	1121.23		#6 REBAR WITH CAP SET FLUSH WITH GROUND 153.54 RT. OF
TO	-5.850	-4.650	-5.250				(A001) STA. 101+18.36
BM 103				1116.050	1115.98		#6 REBAR WITH CAP SET FLUSH WITH GROUND 155.12 RT. OF
TO	-0.560	-0.580	-0.570				(A001) STA. 105+68.56
BM 104				1115.490	1115.41		#6 REBAR WITH CAP SET FLUSH WITH GROUND 157.77 RT. OF
TO	-0.680	-0.585	-0.630				(A001) STA. 110+20.39
BM 105				1114.810	1114.78		#6 REBAR WITH CAP SET FLUSH WITH GROUND 156.30 RT. OF
TO	-3.410	-3.530	-3.470				(A001) STA. 114+68.93
BM 106				1111.400	1111.31		#6 REBAR WITH CAP SET FLUSH WITH GROUND 156.40 RT. OF
TO	-5.220	-5.120	-5.170				(A001) STA. 119+18.23

CHECK LEVELS — **BENCH MARK LIST**

SWO 4989(1) J/P 29843(04) (V3 I-35) — Page 2 of 5 — NAVD 88 DATUM

BM NO.	RUN 1	RUN 2	MEAN DIFF.	UNADJ ELEV.	ADJ. ELEV.	PUBLISHED ELEV.	BENCHMARK DESCRIPTION
BM 107				1106.180	1106.14		#6 REBAR WITH CAP SET FLUSH WITH GROUND 156.52 RT. OF
TO	-1.580	-1.580	-1.580				(A001) STA. 123+71.72
BM 108				1104.600	1104.56		#6 REBAR WITH CAP SET FLUSH WITH GROUND 153.517 RT. OF
TO	-2.320	-2.380	-2.350				(A001) STA. 128+24.49
BM 109				1102.280	1102.21		#6 REBAR WITH CAP SET FLUSH WITH GROUND 267.010 RT. OF
TO	-2.270	-2.190	-2.230				(A001) STA. 1053+81.03
BM 110				1100.010	1099.98		#6 REBAR WITH CAP SET FLUSH WITH GROUND 369.888 RT. OF
TO	3.790	3.750	3.770				(A001) STA. 138+10.27
BM 114				1111.690	1111.75		#6 REBAR WITH CAP SET FLUSH WITH GROUND 332.14 RT. OF
TO	21.500	21.380	21.440				(A001) STA. 142+97.13
BM 115				1133.190	1133.19		#6 REBAR WITH CAP SET FLUSH WITH GROUND 193.68 RT. OF
TO	6.400	6.460	6.430				(A001) STA. 148+24.90
BM 116				1139.590	1139.62		#6 REBAR WITH CAP SET FLUSH WITH GROUND 168.75 RT. OF
TO	-9.430	-9.530	-9.480				(A001) STA. 152+41.92
BM 117				1130.160	1130.14		#6 REBAR WITH CAP SET FLUSH WITH GROUND 150.15 RT. OF
TO	-15.550	-15.750	-15.650				(A001) STA. 157+18.48
BM 118				1114.610	1114.49		#6 REBAR WITH CAP SET FLUSH WITH GROUND 150.06 RT. OF
TO	18.500	18.880	18.690				(A001) STA. 162+11.24
BM 119				1133.110	1133.18		#6 REBAR WITH CAP SET FLUSH WITH GROUND 148.73 RT. OF
TO	-38.550	-38.950	-38.750				(A001) STA. 166+87.00

CHECK LEVELS — **BENCH MARK LIST**

SWO 4989(1) J/P 29843(04) (V3 I-35) — Page 3 of 5 — NAVD 88 DATUM

BM NO.	RUN 1	RUN 2	MEAN DIFF.	UNADJ ELEV.	ADJ. ELEV.	PUBLISHED ELEV.	BENCHMARK DESCRIPTION
BM 124				1094.560	1094.43		#4 REBAR WITH CAP SET FLUSH WITH GROUND 153.77 RT. OF
TO	4.970	4.930	4.950				(A001) STA. 174+86.89
BM 136				1099.530	1099.38		#4 REBAR WITH CAP SET FLUSH WITH GROUND 156.44 RT. OF
TO	7.360	7.340	7.350				(A001) STA. 178+86.95
BM 126				1106.890	1106.73		#4 REBAR WITH CAP SET FLUSH WITH GROUND 158.97 RT. OF
							(A001) STA. 182+86.97

CHECK LEVELS — **BENCH MARK LIST**

SWO 4989(1) J/P 29843(04) (V3 Waterloo) — Page 4 of 5 — NAVD 88 DATUM

BM NO.	RUN 1	RUN 2	MEAN DIFF.	UNADJ ELEV.	ADJ. ELEV.	PUBLISHED ELEV.	BENCHMARK DESCRIPTION
BM 130					1144.77		#4 REBAR WITH CAP SET FLUSH WITH GROUND 34.77' LT. OF
TO	24.720	24.660	24.690				(A002b) STA. 11+05.91
BM 129				1169.490	1169.46		#4 REBAR WITH CAP SET FLUSH WITH GROUND 30.46' LT. OF
TO	-1.490	-1.470	-1.480				(A002b) STA. 16+34.10
BM 128				1168.000	1167.98		#4 REBAR WITH CAP SET FLUSH WITH GROUND 39.40' RT. OF
TO	-39.100	-39.020	-39.060				(A002b) STA. 23+32.91
BM 127				1128.900	1128.92		#4 REBAR WITH CAP SET FLUSH WITH GROUND 34.74' RT. OF
TO	-11.730	-11.750	-11.740				(A002b) STA. 29+98.66
BM 134				1117.180	1117.18	1117.18	ODOT SD-11 # 0-55-1787 #6 REBAR WITH CAP 79.82' RT. OF
TO	-4.880	-4.880	-4.880				(A002) STA. 15+78.03
BM 133				1112.300	1112.30	1112.30	ODOT SD-11 # 0-55-1787 #6 REBAR WITH CAP 79.82' RT. OF
TO	-12.290	-12.350	-12.320				(A002) STA. 15+78.03
BM 110				1100.010	1099.98		#6 REBAR WITH CAP SET FLUSH WITH GROUND 369.888 RT.
TO	3.790	3.750	3.770				OF (A001) STA. 138+10.27
BM 111				1103.800	1103.75		#6 REBAR WITH CAP SET FLUSH WITH GROUND 40.587 LT. OF
TO	-30.150	-30.170	-30.160				(A002) STA. 35+37.08
BM 112				1073.650	1073.59		#6 REBAR WITH CAP SET FLUSH WITH GROUND 21.144 LT. OF
TO	-10.600	-10.480	-10.540				(A002) STA. 40+57.07
BM 113				1063.050	1063.05	1063.05	CITY OF EDMOND 3 1/2" BRASS CAP GPS MONUMENT STA
TO	-2.680	-2.640	-2.660				1237+00.00 28.89' RT. OF (A002) STA. 42+91.66

$$DATE$$

SDS 15 OF 32

PLS	CDB	
DRAWN	CAH	
CHECKED	GAA	
APPROVED	BAP	
CREW	CHOUTEAU	

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

SWO 4989 (1) PROJECT NO. 29843(04) SHEET NO. S016

OKLAHOMA DEPARTMENT OF TRANSPORTATION					
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	OKLA.				

REVISIONS	
DESCRIPTION	DATE

BENCHMARK & CHECK LEVEL

CHECK LEVELS — **BENCH MARK LIST**

SWO 4989(1) J/P 29843(04) (V3 Waterloo) — Page 5 of 5 — NAVD 88 DATUM

BM NO.	RUN 1	RUN 2	MEAN DIFF.	UNADJ ELEV.	ADJ. ELEV.	PUBLISHED ELEV.	BENCHMARK DESCRIPTION
BM 135				1060.370	1060.39		#4 REBAR WITH CAP SET FLUSH WITH GROUND 40.33' RT. OF (A002) STA. 47+12.93
TO	23.890	23.870	23.880				
BM 121				1084.260	1084.27		#4 REBAR WITH CAP SET FLUSH WITH GROUND 128.39' RT. OF (A002) STA. 52+94.75
TO	53.360	53.300	53.330				
BM 122				1137.620	1137.60		#4 REBAR WITH CAP SET FLUSH WITH GROUND 32.04' IT. OF (A002) STA. 58+39.75
TO	21.290	21.270	21.280				
BM 123				1158.910	1158.88		#4 REBAR WITH CAP SET FLUSH WITH GROUND 34.21' IT. OF (A002) STA. 64+16.01

$$DATE$$

SDS 16 OF 32

PLS	CDB	
DRAWN	CAH	
CHECKED	GAA	
APPROVED	BAP	
CREW	CHOUTEAU	

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

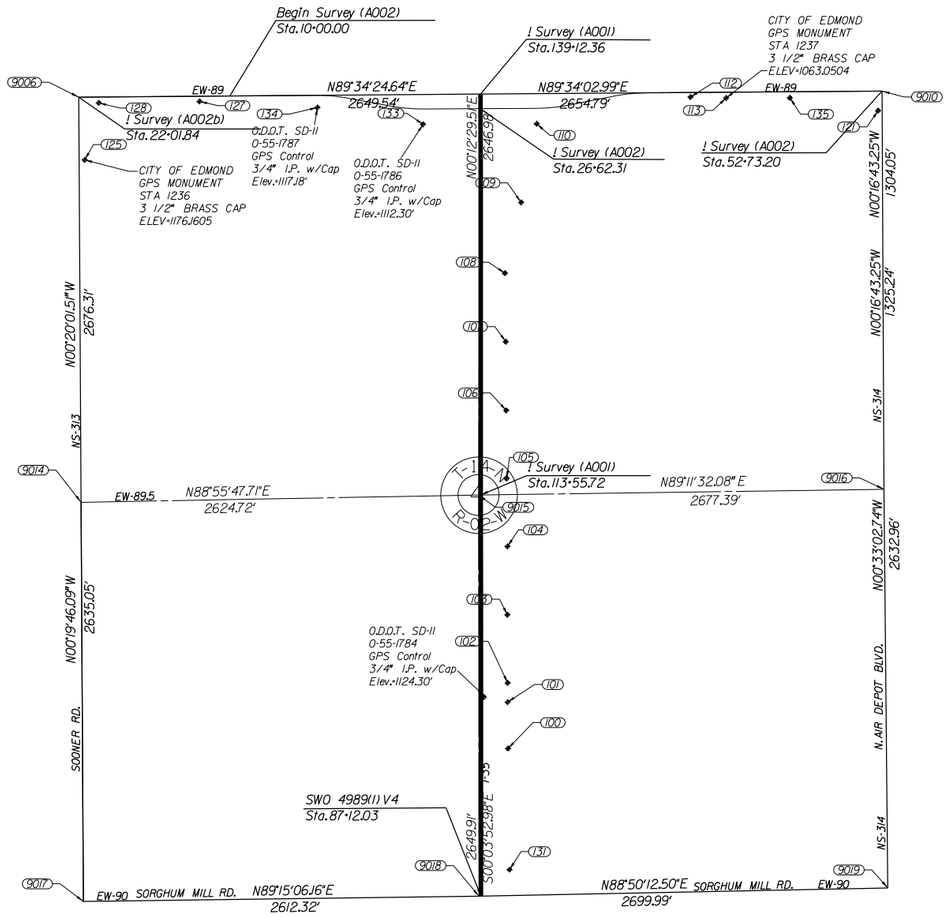
SURVEY DATA SHEET

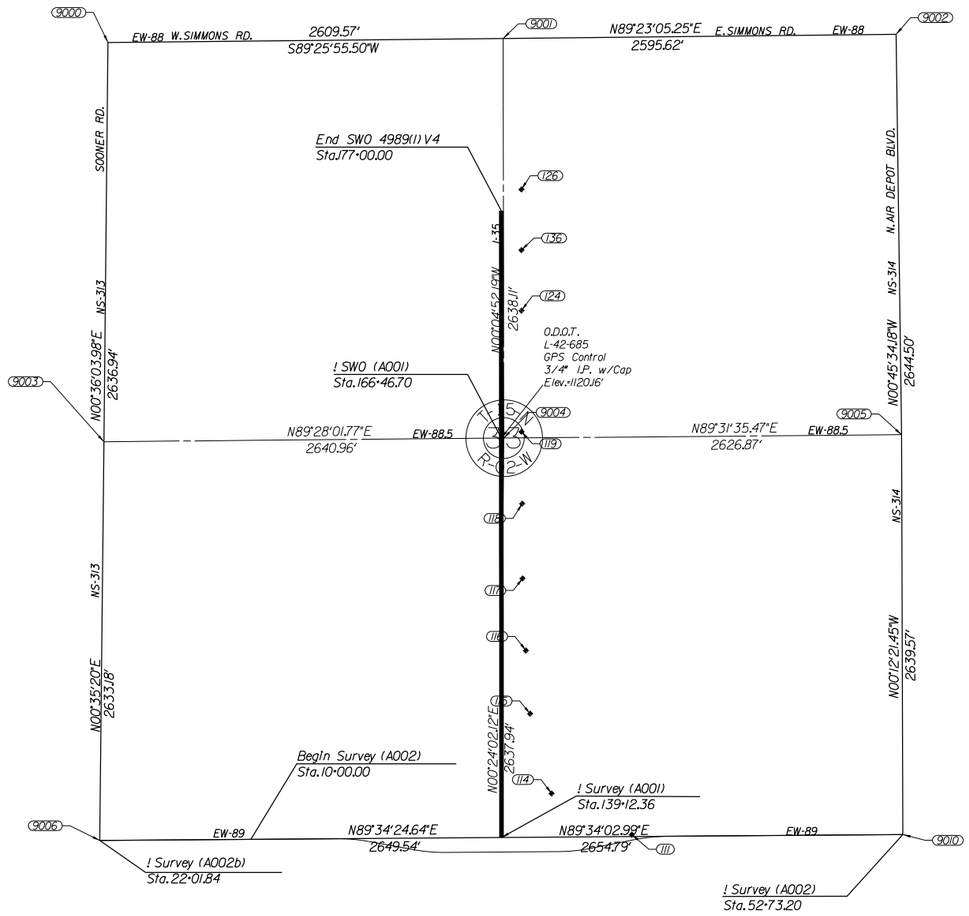
SWO 4989 (1) PROJECT NO. 29843(04) SHEET NO. S017

OKLAHOMA DEPARTMENT OF TRANSPORTATION					
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	OKLA.				

REVISIONS	
DESCRIPTION	DATE

PRIMARY CONTROL DIAGRAM





SCALE:
1" = 500'

PLS	CDB		OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION
DRAWN	CAH		**SURVEY DATA SHEET**
CHECKED	GAA		
APPROVED	BAP		
CREW	CHOUTEAU		SWO 4989 (1) PROJECT NO. 29843(04) SHEET NO. S018

$$DATE$$

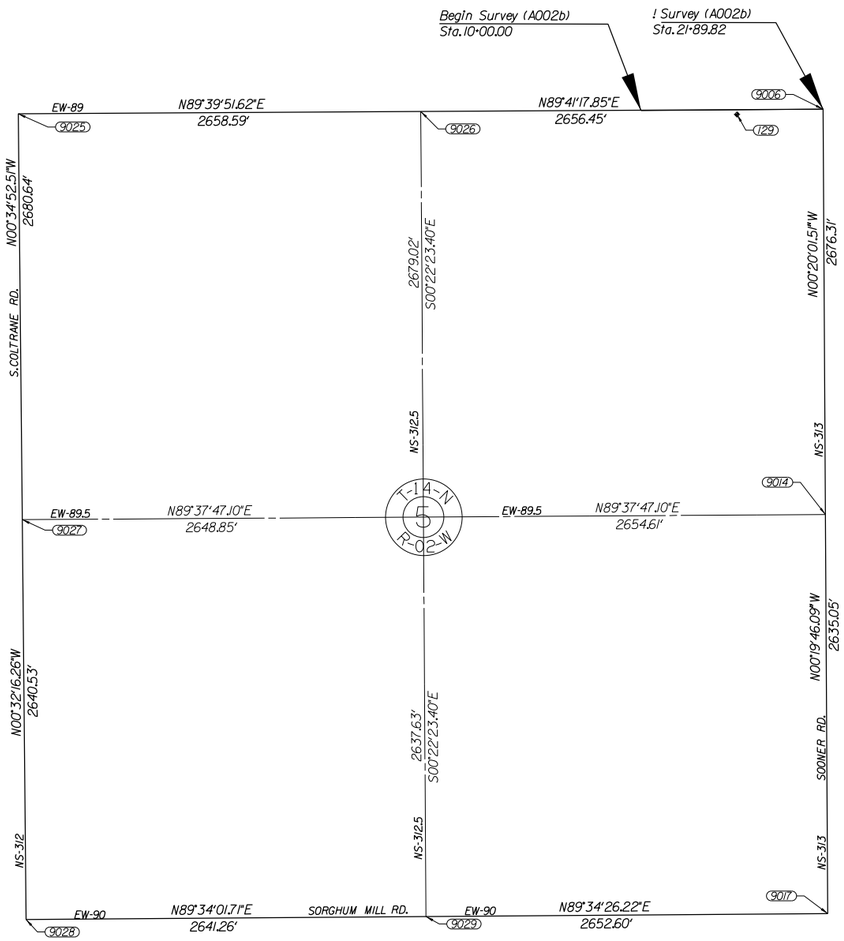
SDS 17 OF 32

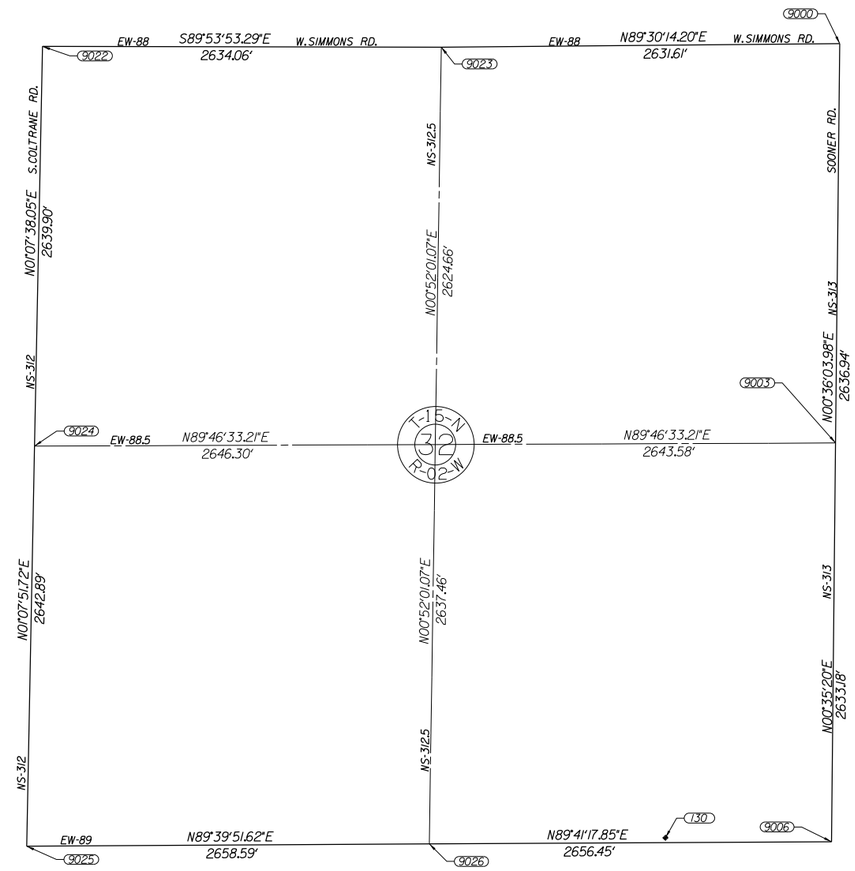
8-87

OKLAHOMA DEPARTMENT OF TRANSPORTATION					
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	OKLA.				

REVISIONS	
DESCRIPTION	DATE

PRIMARY CONTROL DIAGRAM





SCALE:
1" = 500'

$$DATE$$

SDS 18 OF 32

PLS	CDB	
DRAWN	CAH	
CHECKED	GAA	
APPROVED	BAP	
CREW	CHOUTEAU	

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

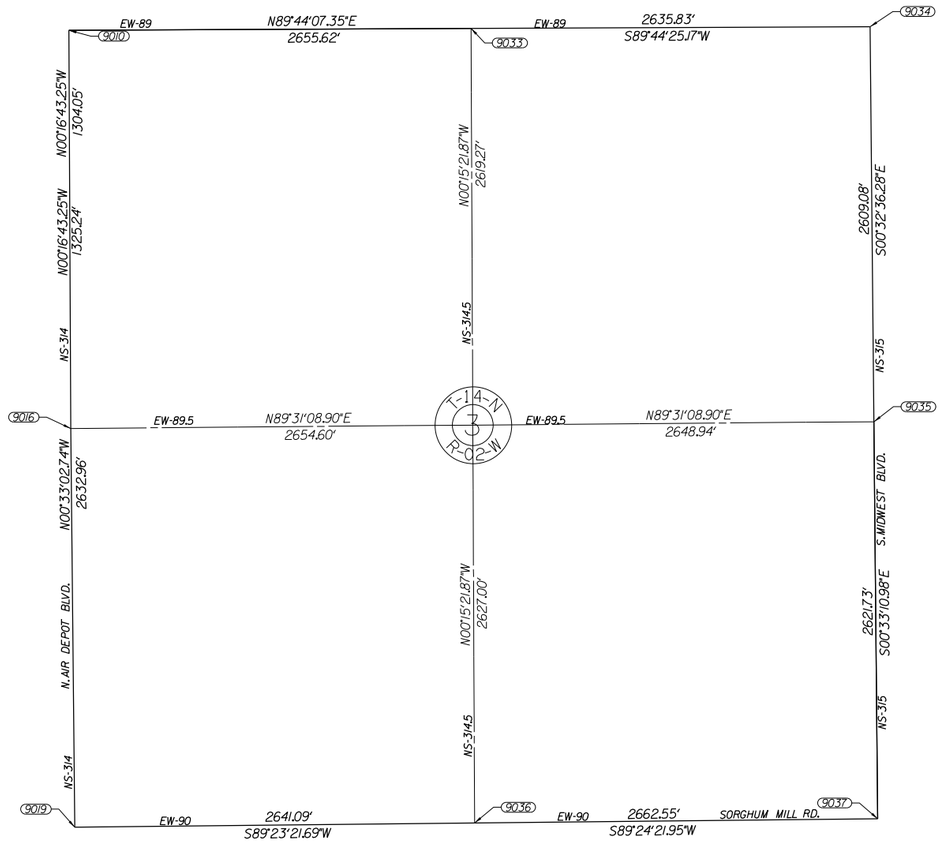
SWO 4989 (1) PROJECT NO. 29843(04) SHEET NO. S019

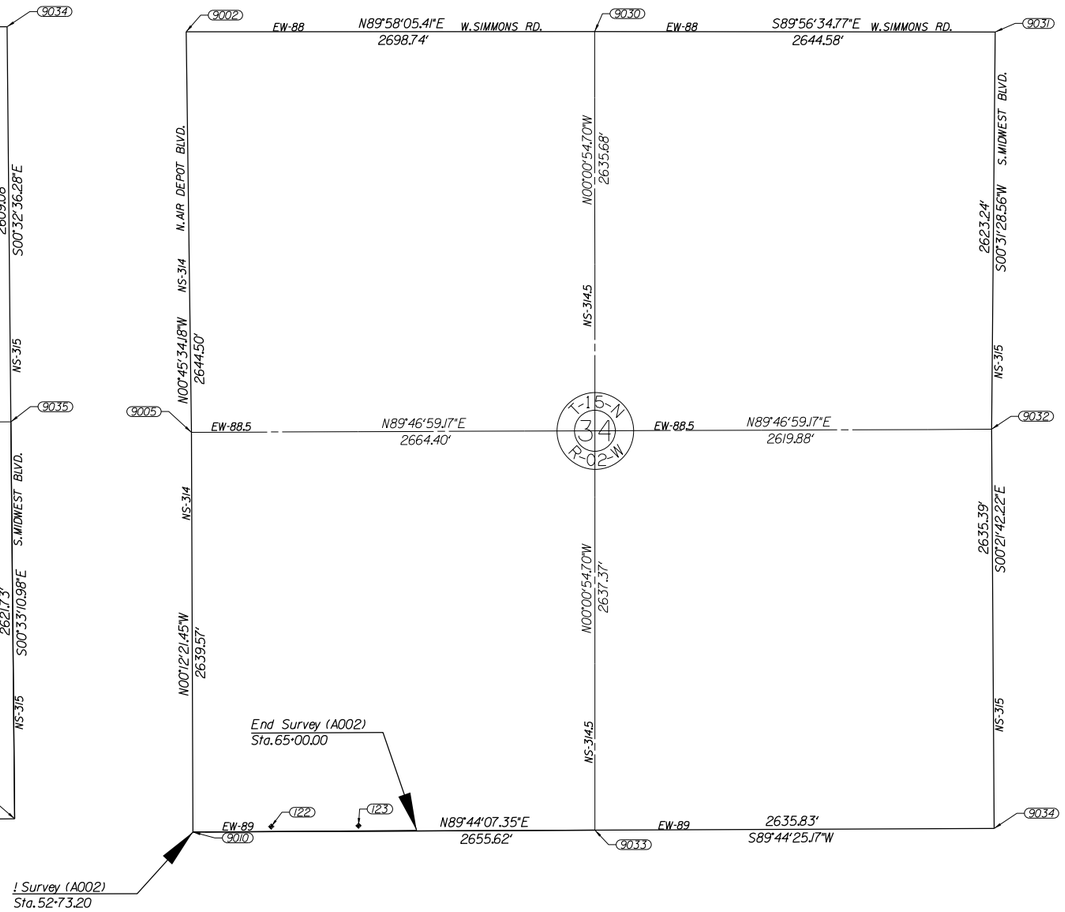
8-87

OKLAHOMA DEPARTMENT OF TRANSPORTATION					
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	OKLA.				

REVISIONS	
DESCRIPTION	DATE

PRIMARY CONTROL DIAGRAM







SCALE:
1" = 500'

$$DATE$$

SDS 19 OF 32

PLS	CDB	
DRAWN	CAH	
CHECKED	GAA	
APPROVED	BAP	
CREW	CHOUTEAU	

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

SWO 4989 (1) PROJECT NO. 29843(04) SHEET NO. S020

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	OKLA.				

REVISIONS	
DESCRIPTION	DATE
⚠ SEE NOTE	October 24, 2022

⚠ *PROPERTY LINES REVISED BY RR PAYNE,LS*1811,OCTOBER 24,2022.

SCALE: 1"=100'

Landing Lane N89°34'20.51"E 580.71'

Sandy Rock Road

Sunrise Blvd

Sunrise Blvd

Sunny Way

Lot 17 · Lot 16 · Lot 15 · Lot 14 · Lot 13 · Lot 12 · Lot 11 · Lot 10 · Lot 9 · Lot 8 · Lot 7 · Lot 6 · Lot 14 · Lot 15 · Lot 16

THE LANDING AT WATERLOO PHASE I

Kanaly's Ri-Ann Addition Block 2

Kanaly's Ri-Ann Addition Block I

BLUE RIDGE ROAD

Sooner Animal Hospital

Pleasant Hill Cemetery

Tract

GOVT. LOT 1

273+07 · 270+00 · 265+00 · 260+00 · 255+00 · 10+00 · 15+00 · 20+00 · 25+00 · 30+00 · 32+00 · 10+00 · 15+00 · 20+29 · 20+00

I CONSTRUCTION A002B WATERLOO RD.

I SOONER ADDT SOONER RD.

Tyler D.and Greta Meier Joint Tenancy Warranty Deed Book 2241 Page 407

Oklahoma Natural Gas Company R.O.W. Agreement 25' Pipeline Easement Book 979 Page 541

Oklahoma Natural Gas Company R.O.W. Agreement 5'x5' Regulator Site Book 779 Page 541

Oklahoma Natural Gas R.O.W. Agreement Book 4587 Page 1413

Oklahoma Electric Company Easement 15' Electric Line Easement Book 10286 Page 1834

Oklahoma Gas and Electric Easement Book 10286 Page 1835

Oklahoma Electric Company 15' Electric Line Easement Rural and Urban Book 5111 Page 161

Beam Development LLC Amended and Restated Articles of Organization Book 7858 Page 334

Don L Hoffman County Deed Book 1612 Page 396

Azaan Inc. Deed Book 2441 Page 307

CITY OF EDMOND GPS MONUMENT STA 1236 3 1/2" BRASS CAP ELEV-1176.1605

ALL R.P.'S *4 REBAR

P.O.B. Sta.263+59.31 (A007) · P.O.T. Sta.219+83.82 (A002b) (Set Mag Nail)
1 2633.34' North To E.1/4 Corner Sec.32
1 1320' East To SE Corner Sec.32
1 2676.28' South To E.1/4 Corner Sec.5
1 2644.43' West To S.1/4 Corner Sec.32

P.O.C. Sta.263+59.31 (A007) · P.O.T. Sta.219+83.82 (A002b) (Set Mag Nail)

P.C. Sta.256+44.86 (A007) (Set Nothing)

P.O.T. Sta.256+74.00 (Set Mag Nail)

Begin SWO 4989(1) Survey (A007) P.O.B./P.O.T. Sta.25+74.00 (Set Mag Nail)

End SWO 4989(1) Survey (A002B) P.O.E./P.O.T. Sta.20+28.94 P.O.C. Sta.16+46.53 (A002) (Set Mag Nail)

P.O.T. Sta.18+32.82 (A002b) (Set Mag Nail)

P.C. Sta.16+98.42 (A008) (Set Mag Nail)

P.O.T. Sta.256+74.00 (Set Mag Nail)

PLS		
DRAWN		
CHECKED		
APPROVED		
CREW		

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

SWO 4989 (1) PROJECT NO. 29843(04) SHEET NO. S021

SDS 20 OF 32

8-87

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	OKLA.				

REVISIONS	DATE
⚠ SEE NOTE	October 24, 2022

⚠

*PRESENT R/W AND PROPERTY LINES REVISED; PORTIONS OF PRESENT R/W REVISED AS EASEMENT PER RECORDS; REMOVED ENSIGN VALLEY EQUESTRIAN ESTATES (VACATED 03/18/2016 BOOK 2642, PAGE 532) BY RR PAYNE, LS*1811, OCTOBER 24, 2022.

SCALE: 1"=100'

SDS 21 OF 32

PLS		OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION
DRAWN		**SURVEY DATA SHEET**
CHECKED		
APPROVED		
CREW		SWO 4989 (1) PROJECT NO. 29843(04) SHEET NO. S022

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	OKLA.				

REVISIONS	
DESCRIPTION	DATE
⚠ SEE NOTE	October 24, 2022

⚠

*PRESENT R/W AND PROPERTY LINES REVISED; PORTIONS OF PRESENT R/W REVISED AS EASEMENT PER RECORDS; REMOVED ENSIGN VALLEY EQUESTRIAN ESTATES I (VACATED 03/18/2016 BOOK 2642, PAGE 532) BY RR PAYNE, LS*1811, OCTOBER 24, 2022.

Gulf Energy Gathering and Processing
10' Pipeline R.O.W. Agreement
Book 1064 Page 67

*ARC L=71.92'
*R=261.12'
*CHORD L=71.70'
*CHORD BRG=N23°57'09.56"W

ARC L=39.08'
R=265.70'
CHORD L=39.040'
CHORD BRG=S27°37'42.58"E

N17°07'17.42"E 390.00'

S17°07'17.42"W 369.72'

Waterloo Partners LLC.
15' Private Storm Drainage Easement
Book 2691 Page 174

Tract

40+00 45+00 50+00 15+00 55+00 60+00 65+00 68+00 10+00

Section Line

I SURVEY ADD PINE ST.

I CONSTRUCTION ADD2 WATERLOO RD.

EW-89

33' Statutory R/W

100' ROW
Lacking Documentation
Assumed From Fence
and In Ground Utilities

Permanent Access Easement in favor of OnCue RE, LLC.
Book 2645 Page 25

*ARC L= 7.87'
*R=201.12'
*CHORD L=7.87'
*CHORD BRG=N1°32'16.54"W

S00°25'28.58"E 205.00'

60'

70.83' S30°06'53.42"W

*44.49' S59°30'12.42"W

*102.63' S80°05'13.73"E

*104.79' *N7°43'4'50.93"E

*ARC L=204.69'
*R=1085.92'
*CHORD L=204.39'
*CHORD BRG=N84°10'20.85"E

*460.47' *N89°34'02.99"E

*1388.79' N89°34'02.99"E

*962.63' *N89°34'02.99"E

1422.56' N89°34'02.98"E

N89°34'20.85"E 2622.59'

N89°44'07.35"E 2622.61'

S89°44'50.41"W 332.23'

S89°44'50.41"W 300.18'

N89°44'07.35"E

ALL R.P.'S *4 REBAR

Southwestern Bell Easement for Equipment Station Book 998 Page 107

Southwestern Bell Company Easement for Equipment Station Book 5175 Page 813

CITY OF EDMOND GPS MONUMENT STA 1237 3 1/2" BRASS CAP ELEV=1063.0504

Oklahoma Electric Company Easement Rural and Urban 20' Electric Line Easement Book 4853 Page 1412

Gulf Energy Gathering & Processing 10" Pipeline Easement Book 5356 Page 28

P.O.T. Sta. 14+23.44 (Set Mag Nail)

P.O.T. Sta. 15+93.72 (Set Mag Nail)

P.C. Sta. 10+54.13 (Set Mag Nail)

Begin SWO 4989(1) Survey (A009)
P.O.B. Sta 10+00.00
(Set Mag Nail)

End SWO 4989(1) Survey (A009)
P.O.E. Sta 18+43.48 +
P.O.T. Sta. 53+27.4 (A002)
(Set Mag Nail)

P.O.T. Sta. 53+27.4 (A002)
(Set Mag Nail)
Begin SWO 4989(1) Survey (A009)
P.O.B. Sta 10+00.00 +
I 35+39.79 North To E1/4 Corner Sec. 33
I 35+59.25 South To E1/4 Corner Sec. 4
I 35+59.25 South To E1/4 Corner Sec. 4
I 35+60.84 West To E1/4 Corner Sec. 33

End SWO 4989(1) Survey (A009)
P.O.E. Sta 65+85.68
(Set Mag Nail)

Richard Louis Johnson Trustee's Deed Book 10729 Page 1437

City Service Gas Company Historical Document Book B Page 10000

Oklahoma Electric Company Electric Easement Rural & Urban Book 5072 Page 1842

Pat K. Patterson and Gayle Patterson to Charles W. Gray and Karen S. Gray Warranty Deed Book 6432 Page 307

Randolph Wilson and Jacquelyn Family Trust Quit Claim Deed Book 13279 Page 1436

GOVT. LOT 1

GOVT. LOT 4

966.30' S89°12'31.51"W

965.42' S88°54'41.89"W

964.53' N88°54'41.89"E

630.84' S89°38'26.89"W

302.60' S89°44'07.35"W

626.75' S00°09'29.08"E

626.82' S00°15'26.65"E

626.68' S00°08'04.05"E

626.62' S00°06'38.22"E

N00°16'43.25"W 1270.54'

N00°16'43.22"W 1270.54'

N00°15'41.26"W 617.33'

N00°16'22.97"W 650.93'

N00°12'46.89"W 1286.77'

S00°16'02.63"E 1286.67'

S00°05'40.89"W 557.32'

N00°12'12.57"W 159.28'

S00°29'53.74"E 245.17'

S00°29'28.01"E 240.00'

N00°16'43.25"W 240.01'

N00°16'54.15"W 240.17'

N00°12'45.45"W 1397.78'

S03°39'03.01"W 454.78'

SCALE: 1"=100'

SDS 22 OF 32

PLS		
DRAWN		
CHECKED		
APPROVED		
CREW		

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

SWO 4989 (1) PROJECT NO. 29843(04) SHEET NO. S023

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	OKLA.				

REVISIONS	
DESCRIPTION	DATE
⚠ SEE NOTE	October 24, 2022

80+00 85+00 90+00 95+00 100+00 105+00 110+00

Tract

Lot 3 Lot 4 Lot 5 Lot 6 Lot 7 Lot 9 Lot 8

Common Area "F"

Montmarte II Block 5

Montmarte II Block 7

Sta 1007+99.11 SWO 4989(1) Survey
=P.O.T. Sta 1007+99.11 (FAP Plans 1-4968(139))
=P.O.B. Sta 87+12.03 this Survey (4001)
-Sta 26+58.82 Section Line Road 1
(FAP Plans 1-4968(139))
12.30' West to S/4 Section Quarter Corner
2655.52' East to SE/4 Section Corner
(Set Nothing)

P.O.T. Sta 1008+24.11
20.00' North of P.O.B.
(Set Mag Nail)

481.23'
S00°44'25.3"E

263.76'
S00°19'04.3"E

R=225.00'
R=125.00'
R=155.00'

N00°19'04.3"W 270.00'
N00°19'04.3"W 80.00'
S00°19'04.3"E 88.00'
S28°06'34.3"E 117.41'
S14°38'43.69"W 66.56'
N37°05'29.3"W 64.89'
N10°17'40.01"W 203.04'
N09°33'23.48"E 203.04'
N00°22'05.3"W 100.00'
N00°22'05.3"W 153.85'
S00°25'26.66"E
N00°22'05.3"W

Duke Energy Field Service
10' Pipeline R.O.W. Grant
Book 9181 Page 688

ALL R.P.'S
•4 REBAR

N-S 1/4 SECTION LINE

I-35

O.D.O.T., SD-11
Q-55-1784
GPS Control
3/4" I.P. w/Cap
Elev.=1124.30'

I SURVEY A001 I-35

Oklahoma Electric Company
10' Electric Line Easement
Book 4616 Page 928

Cox Communications
20' Fiber Line Easement
Book 11964 Page 956

10' Electric Line Easement
20' Fiber Line Easement

Permanent Road Easement
Benefited Owners present
and future Amended and
Corrected Easement Book
11063 Page 1730

Oklahoma Electric Company
10' Electric Line Easements
Book 4746 Page 1504

Oklahoma Electric Company
Easement Rural and Urban Book
5143 Page 278

Duke Energy Field Services,
L.P. R.O.W. Grant
Book 9181 Page 700

Michael D. Kelly
Roadway Easement
Book 4577, Page 1537

Southwestern Bell Telephone Company
Easement for Equipment Station
Book 6706 Page 650

9017

*PRESENT R/W AND PROPERTY LINES REVISED;
PORTIONS OF PRESENT R/W REVISED AS
EASEMENT PER RECORDS
BY RR PAYNE,LS*1811,OCTOBER 24,2022.

SCALE:
1"=100'

PLS		
DRAWN		
CHECKED		
APPROVED		
CREW		

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

SWO 4989 (1) PROJECT NO. 29843(04) SHEET NO. S024

SDS 23 OF 32

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	OKLA.				

REVISIONS	
DESCRIPTION	DATE
⚠ SEE NOTE	October 24, 2022

⚠

*PRESENT R/W AND PROPERTY LINES REVISED; PORTIONS OF PRESENT R/W REVISED AS EASEMENT PER RECORDS BY RR PAYNE, LS*1811, OCTOBER 24, 2022.

SCALE: 1"=100'

PLS		
DRAWN		
CHECKED		
APPROVED		
CREW		

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

SWO 4989 (1) PROJECT NO. 29843(04) SHEET NO. S025

SDS 24 OF 32

8-87

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	OKLA.				

REVISIONS	
DESCRIPTION	DATE
⚠ SEE NOTE	October 24, 2022

Tract

THE LANDING AT WATERLOO PHASE I

THE LANDING AT WATERLOO PHASE II

Boucher Drive

CRL A006 RAMP 33I5-A

CRL A005 RAMP 33I5-B

I-35 CONSTRUCTION ROAD

Lot 1 Lot 2 Lot 3 Lot 4 Lot 5 Lot 6 Lot 13

10+00 15+00 20+00 25+00 30+00 35+00 40+00 5+00 140+00 145+00 150+00 155+00 160+00 165+00 18+50

9004 9008

ALL R.P.'S #4 REBAR

COMMON AREA 'B'

Permanent Road Easement Benefited Owners, Present and Future Correction Easement Book 7054 Page 1053

Permanent Road Easement Benefited Owners present and future Amended and Corrected Easement Book 11063 Page 1730

Permanent Access Easement in favor of OnCue RE, LLC. Book 2645 Page 25

Waterloo Partners LLC. Permanent Roadway Easement Book 2645 Page 29

Oklahoma Gas & Electric Co. 10' Electric Line Easement Book 2698 Page 413

Larry and Paula Whitaker Enterprises, a.k.a. LPW Enterprises Easement Permitting Access to and Use of Water Book 1649 Page 85

State of Oklahoma R.O.W. Dedication Deed Public Highway Book 576, Page 693

DRAINAGE EASEMENT

20' Fiber Line Easement

I SURVEY 4001 I-35

N-S 1/4 SECTION LINE

SCALE: 1"=100'

*PRESENT R/W AND PROPERTY LINES REVISED; PORTIONS OF PRESENT R/W REVISED AS EASEMENT PER RECORDS; REMOVED ENSIGN VALLEY EQUESTRIAN ESTATES (VACATED 03/18/2016 BOOK 2642, PAGE 532) BY RR PAYNE, LS*1811, OCTOBER 24, 2022.

SDS 25 OF 32

PLS			OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION
DRAWN			SURVEY DATA SHEET
CHECKED			SWO 4989 (1) PROJECT NO. 29843(04) SHEET NO. S026
APPROVED			
CREW			

I-15-N 33 R-02-W

8-87

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	OKLA.				

REVISIONS	
DESCRIPTION	DATE
⚠ SEE NOTE	October 24, 2022

165+00

170+00

175+00

177+00

SW¼ 4989.11 Survey (4001.11)
POB: N 52°49'40.01" (N 14,052,040.85)
E 2,124,648.01 (E 2,124,648.01)
Center Section Corner (SSC ft)
1,382.68' East To C.1/4 Corner
1,382.68' East To C.1/4 Corner
1,382.68' North To S.1/4 Corner
1,382.68' South To S.1/4 Corner

Lot 13 | Lot 14 | Lot 15 | Lot 16 | Lot 17 | Lot 41 | Lot 42 | Lot 43 | Lot 44 | Lot 45 | Lot 46 | Lot 47 | Lot 48

Valley View Estates Block 1

60' ROADWAY & U/E

50' BUILDING SETBACK

E.W. 88.5

N-S 1/4 SECTION LINE

N00°14'08.23"E

N00°14'08.35"E
2637.50'

I-35

NS 313.5

Existing R/W

ALL R.P.'S *4 REBAR

O.D.O.T. L-42485 GPS Control 3-4" Ø, w/Cap Elev.=1120.16'

T-15-N
33
R-02-W

Tract

REMOVED ENSIGN VALLEY EQUESTRIAN ESTATES I (VACATED 03/18/2016 BOOK 2642, PAGE 532) BY RR PAYNE, LS*1811, OCTOBER 24, 2022.

SCALE: 1"=100'

PLS		
DRAWN		
CHECKED		
APPROVED		
CREW		

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

SWO 4989 (1) PROJECT NO. 29843(04) SHEET NO. S027

SDS 26 OF 32

OKLAHOMA DEPARTMENT OF TRANSPORTATION					
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	OKLA.				

REVISIONS	
DESCRIPTION	DATE

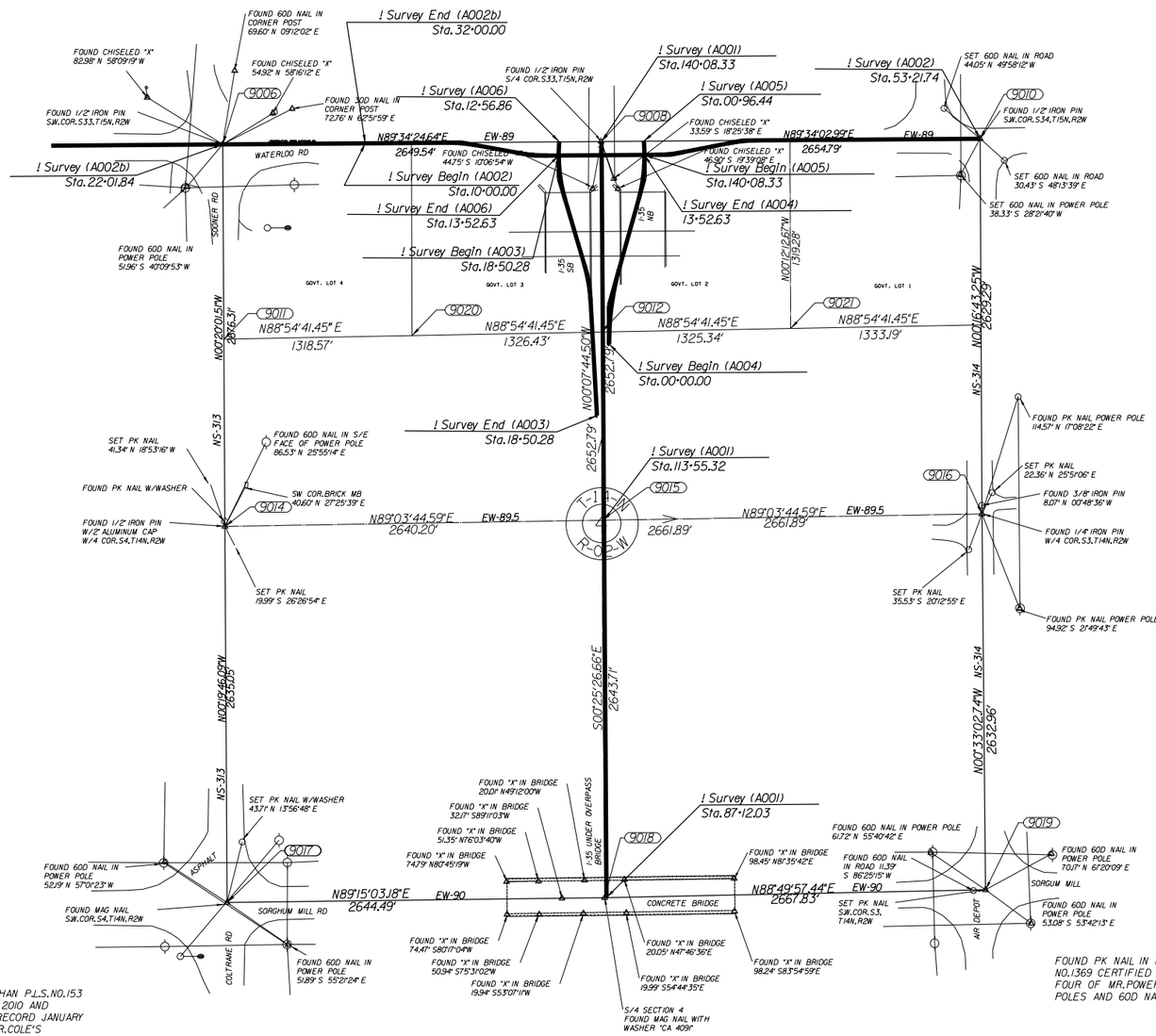
FOUND PK MATCHING DAMON K.DURHAM P.L.S.NO.1521 CERTIFIED CORNER RECORD DECEMBER 21,2011.MATCHED THREE OF MR.DURHAM'S REFERENCES;60D NAIL IN CORNER POST.30D NAIL IN CORNER POST.AND 60D NAIL IN POWER POLE

FOUND 1/2" IRON PIN WITH CAP STAMPED "LS 1521" THAT MATCHES DAMON K.DURHAM P.L.S.NO.1521 CERTIFIED CORNER RECORD DECEMBER 21,2011. MATCHED THREE OF MR.DURHAM'S REFERENCES; CHISLED "X"'S IN CONCRETE BRIDGE WINGS AND CABLE BARRIER CONCRETE.

BENNETT SURVEYING FOUND 1/2" IRON PIN AT SECTION CORNER LOCATION.NO CERTIFIED CORNER RECORD FOR REFERENCE.ADDITIONAL REFERENCE POINTS SET: PK NAIL SET IN POWER POLE AND TWO ADDITIONAL PK NAILS SET IN ROADWAY.

FOUND 2" ALUMINUM CAP SET BY SHAUN CHRISTOPHER AXTON P.L.S.NO.1494 RECORDED ON CERTIFIED CORNER RECORD 2-25-2009.MATCHED TWO OF MR.AXTON'S REFERENCES; MAILBOX AND PK NAIL W/SHINER. SET TWO ADDITIONAL REFERENCES.GOOD DISTANCE MATCH BETWEEN NW CORNER AND SW CORNER OF SECTION 4 ALSO SHOWN ON MR.AXTON'S CCR AND VERIFIED BY BENNETT FIELD OBSERVATIONS.

FOUND 1/4" IRON PIN THAT MATCHES ROBERT L.MCCUTCHAN P.L.S.NO.153 CERTIFIED CORNER RECORD DECEMBER 16,1997 AND STEVE ROLAND SCHUELEIN P.L.S.NO.1256 CERTIFIED CORNER RECORD OCTOBER 13,1995 LOCATIONS.MATCHED TWO OF MR.MCCUTCHAN'S AND MR.SCHUELEIN'S REFERENCES; PK NAILS WITH SHINERS IN POWER POLES.SET ADDITIONAL REFERENCE PK NAILS IN ROADWAY.



FOUND MAG NAIL THAT MATCHES ROBERT L.MCCUTCHAN P.L.S.NO.153 LOCATION ON CERTIFIED CORNER RECORD MARCH 5,2010 AND ANTHONY B.COLE P.L.S.NO.1445 CERTIFIED CORNER RECORD JANUARY 22,2008.MATCHED TWO OF MR.MCCUTCHAN'S AND MR.COLE'S REFERENCES;60D NAILS IN POWER POLES.SET ADDITIONAL REFERENCE PK NAIL WITH WASHER IN ROADWAY.

SOUTH CORNER-FOUND AND REJECTED CORNER POSITION OF A CHISELED "X" SET FOR THE SOUTH CORNER OF SEC.4 SET BY CLIFF BENNETT 12-5-14.THE CORNER WAS RESET BY USING MISTAKEN CORNER ACCESSORIES.ALSO FOUND AND ACCEPTED A MAG NAIL WITH SHINER "CA 4091" SET BY SHAROLYN CUNNINGHAM ON 12-8-2020.THE POSITION OF THE MAG NAIL CLOSELY MATCHES THE POSITION CALCULATED FROM THE FAP I-35-4(8) STATE HIGHWAY PLANS.THERE ARE ALSO TEN TOTAL CORNER REFERENCES THAT WERE FOUND AT THIS LOCATION AND INCLUDED FOR CLARITY ON THE CORNER.

FOUND PK NAIL IN ROADWAY THAT AGREES WITH JOHN POWERS P.L.S. NO.1369 CERTIFIED CORNER RECORD MAY 7,2008 LOCATION.MATCHED FOUR OF MR.POWERS REFERENCE POINTS;60D NAILS IN POWER POLES AND 60D NAIL IN ROADWAY.

SCALE: 1" = 500'

NOTE: REFERENCE'S SHOWN ARE NOT TO SCALE.

PLS	CDB	
DRAWN	CAH	
CHECKED	GAA	
APPROVED	BAP	
CREW	CHOUTEAU	

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

SHEET 25 OF 30

SWO 4989 (1) PROJECT NO. 29843(04) SHEET NO. S028

SDS 27 OF 32

OKLAHOMA DEPARTMENT OF TRANSPORTATION					
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	OKLA.				

REVISIONS	
DESCRIPTION	DATE

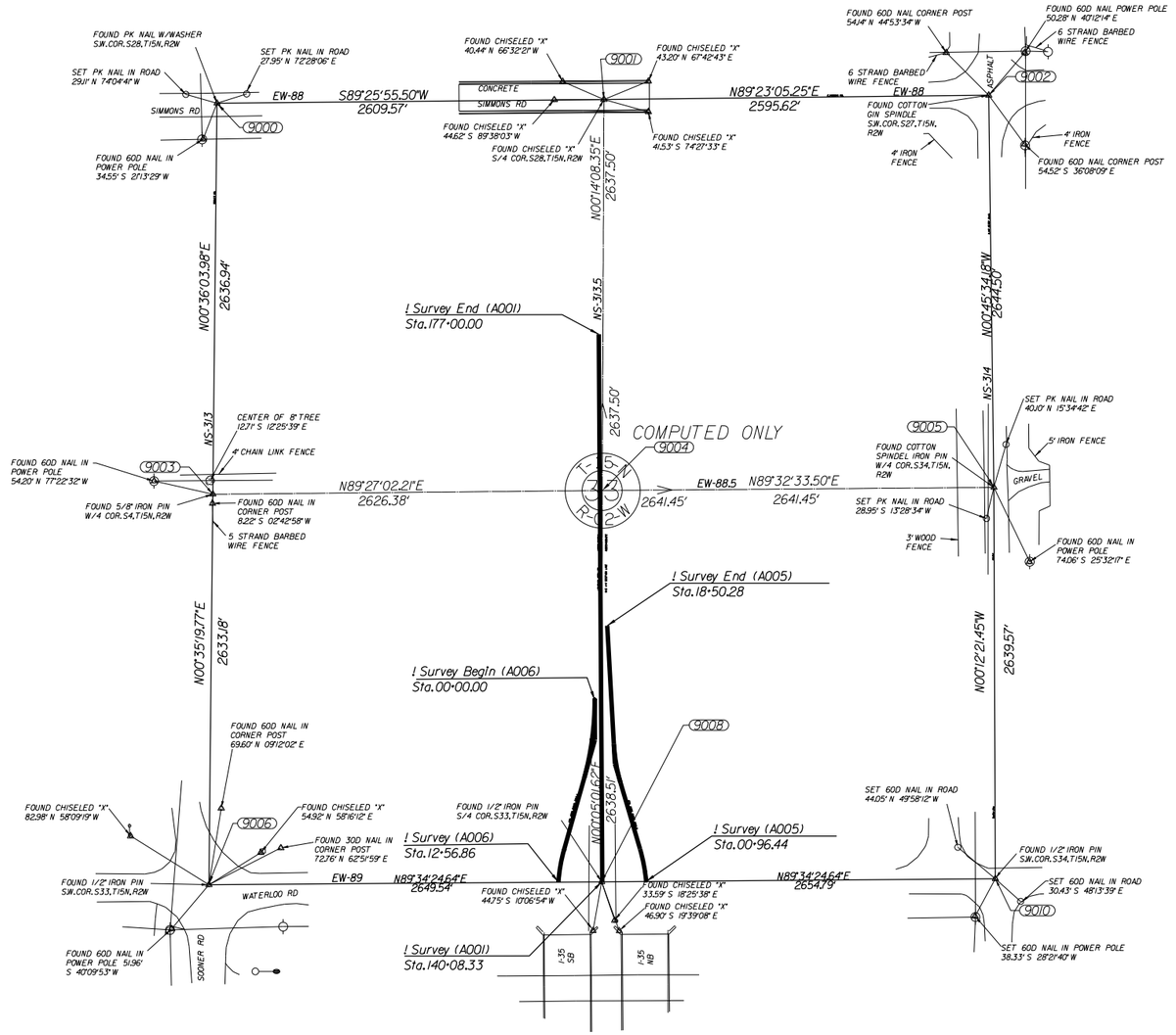
FOUND CHISELED "X" ON BRIDGE SET BY THOMAS F.CONE P.L.S.NO.9 CERTIFIED CORNER RECORD JULY 1,1980 AND THAT CLOSELY MATCHES DEARL B.STOUT P.L.S.NO.240 CERTIFIED CORNER RECORD JANUARY 19,1982.MATCHES THREE OF MR.STOUT'S REFERENCES: CHISELED "X"S ON BRIDGE.

FOUND PK NAIL WITH THAT CLOSELY MATCHES NAIL SET BY KENNETH EDWIN HAUK P.L.S.NO.1300 CERTIFIED CORNER RECORD FEBRUARY 20, 2013.MATCHED ONE OF MR.HAUK'S REFERENCES: 40D NAIL IN POWER POLE.SET ADDITIONAL REFERENCE PK NAILS IN EDGE OF ROADWAY.

FOUND COTTON GIN SPINDLE 3/8" IRON PIN THAT CLOSELY MATCHES THOMAS F.CONE P.L.S.NO.9 JULY 1,1980 AND STEVE ROLAND SCHUELEIN P.L.S.NO.1256 NOVENBER 16,2005.MATCHED ONE OF MR. SCHUELEIN'S REFERENCES;60D NAIL IN CORNER POST.

FOUND 5/8" IRON PIN THAT CLOSELY MATCHES LOCATION DAMON K. DURHAM P.L.S.NO.1521 CERTIFIED CORNER RECORD DECEMBER 21, 2011.MATCHED ONE OF MR.DURHAM'S REFERENCES;60D NAIL IN POWER POLE.

FOUND COTTON GIN SPINDLE THAT MATCHES THOMAS F.CONE P.L.S. NO.9 CERTIFIED CORNER RECORD JULY 1,1980.CURTIS LEE HALE P.L.S.NO.1064 CERTIFIED CORNER RECORD FEBRUARY 7,2002 AND ROBERT R.HUME P.L.S.NO.1531 CERTIFIED CORNER RECORD MAY 3, 2005.MATCHED ONE OF MR.CONE'S AND MR.HUME'S REFERENCES; 30D NAIL IN POWER POLE.SET ADDITIONAL PK NAIL REFERENCES IN ROADWAY.



BENNETT SURVEYING FOUND 1/2" IRON PIN AT SECTION CORNER LOCATION.NO CERTIFIED CORNER RECORD FOR REFERENCE.ADDITIONAL REFERENCE POINTS SET:PK NAIL SET IN POWER POLE AND TWO ADDITIONAL PK NAILS SET IN ROADWAY.

N

SCALE: 1" = 500'

NOTE: REFERENCE'S SHOWN ARE NOT TO SCALE.

FOUND PK MATCHING DAMON K.DURHAM P.L.S.NO.1521 CERTIFIED CORNER RECORD DECEMBER 21,2011.MATCHED THREE OF MR.DURHAM'S REFERENCES;60D NAIL IN CORNER POST,30D NAIL IN CORNER POST,AND 60D NAIL IN POWER POLE

FOUND 1/2" IRON PIN WITH CAP STAMPED "LS 1521" THAT MATCHES DAMON K.DURHAM P.L.S.NO.1521 CERTIFIED CORNER RECORD DECEMBER 21,2011. MATCHED THREE OF MR.DURHAM'S REFERENCES; CHISLED "X"S IN CONCRETE BRIDGE WINGS AND CABLE BARRIER CONCRETE.

PLS	CDB	
DRAWN	CAH	
CHECKED	GAA	
APPROVED	BAP	
CREW	CHOUTEAU	

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

SHEET 26 OF 30

SWO 4989 (1) PROJECT NO. 29843(04) SHEET NO. S029

SDS 28 OF 32

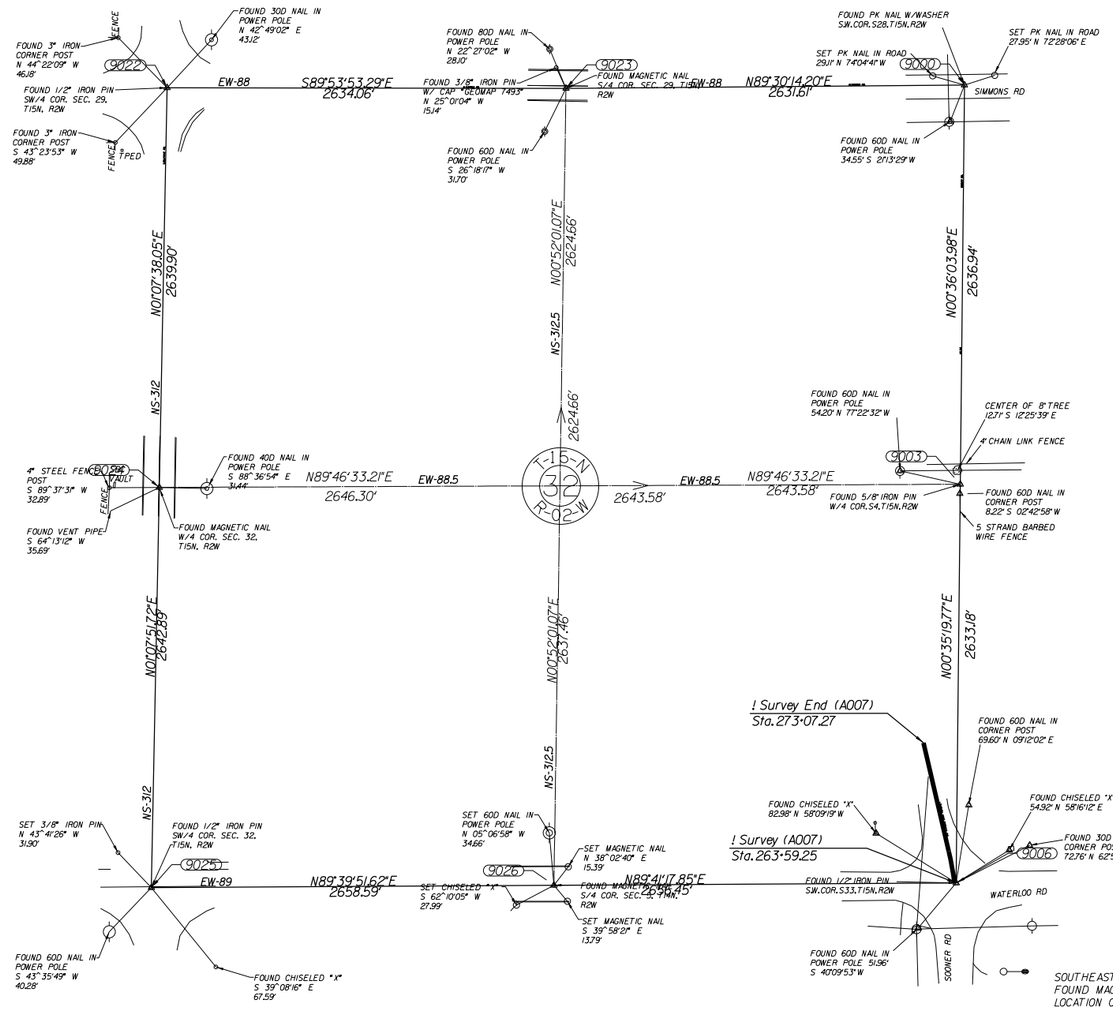
OKLAHOMA DEPARTMENT OF TRANSPORTATION					
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	OKLA.				

REVISIONS	
DESCRIPTION	DATE

NORTH 1/4 SECTION CORNER - ODOT• L-42-760
FOUND MAGNETIC NAIL AND TWO REFERENCES AS SHOWN BY RANDALL A. MANSFIELD P.L.S. NO. 1613 ON CERTIFIED CORNER RECORD SEPTEMBER 16, 2014. FOUND 3/8" IRON PIN W/ CAP LABELED "GEOMAP 7493" THAT WAS SET BY UNKNOWN PERSONS.

NORTHWEST SECTION CORNER - ODOT• L-42-759
FOUND 1/2" IRON PIN AND THREE REFERENCES AS SHOWN BY THOMAS F. CONE L.S. NO. 9 ON CERTIFIED CORNER RECORD AUGUST 1. 1980.

NORTHEAST SECTION CORNER - ODOT• L-42-686
FOUND PK NAIL WITH THAT CLOSELY MATCHES NAIL SET BY KENNETH EDWIN HAUK P.L.S.NO.1300 CERTIFIED CORNER RECORD FEBRUARY 20, 2013.MATCHED ONE OF MR.HAUK'S REFERENCES;40D NAIL IN POWER POLE.SET ADDITIONAL REFERENCE PK NAILS IN EDGE OF ROADWAY.



WEST 1/4 SECTION CORNER - ODOT• L-42-755
FOUND MAGNETIC NAIL SET BY UNKNOWN PERSONS AND THREE REFERENCES AS SHOWN BY ROBERT L. MCCUTHCHAN L.S. NO. 153 RECORDED ON CERTIFIED CORNER RECORD ON MAY 16, 1997.

EAST 1/4 SECTION CORNER - ODOT• L-42-689
FOUND 5/8" IRON PIN THAT CLOSELY MATCHES LOCATION DAMON K. DURHAM P.L.S.NO.1521 CERTIFIED CORNER RECORD DECEMBER 21, 2011.MATCHED ONE OF MR.DURHAM'S REFERENCES;60D NAIL IN POWER POLE.

SOUTHWEST CORNER - ODOT• L-42-756
FOUND 3/8" IRON PIN AND TWO REFERENCES AS SHOWN BY ROBERT L. MCCUTCHAN L.S. NO. 153 ON CERTIFIED CORNER RECORD MAY 14, 2010. BENNETT SURVEYING SET A 3/8" IRON PIN AS A REFERENCE TO THE ABOVE DESCRIBED 1/2" IRON PIN MONUMENT.

SOUTH 1/4 SECTION CORNER - ODOT• L-42-758
FOUND MAGNETIC NAIL AND TWO REFERENCES AS SHOWN BY RANDALL A. MANSFIELD P.L.S. NO. 1613 ON CERTIFIED CORNER RECORD SEPTEMBER 16, 2014. SET MAGNETIC NAIL FOR REFERENCE POINT. USED A 1/2" IRON PIN AND A 60D IN POWER POLE FOR SECOND AND THIRD REFERENCE.

SOUTHEAST SECTION CORNER - ODOT• L-42-691
FOUND MAG NAIL THAT MATCHES ROBERT L.MCCUTCHAN P.L.S.NO.153 LOCATION ON CERTIFIED CORNER RECORD MARCH 5,2010 AND ANTHONY B.COLE P.L.S.NO.1445 CERTIFIED CORNER RECORD JANUARY 22,2008.MATCHED TWO OF MR.MCCUTCHAN'S AND MR.COLE'S REFERENCES;60D NAILS IN POWER POLES.SET ADDITIONAL REFERENCE PK NAIL WITH WASHER IN ROADWAY.

N

SCALE:
1" = 500'

NOTE: REFERENCE'S SHOWN ARE NOT TO SCALE.

SDS 29 OF 32

PLS	CDB	
DRAWN	CAH	
CHECKED	GAA	
APPROVED	BAP	
CREW	CHOUTEAU	

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

SHEET 27 OF 30

SWO 4989 (1) PROJECT NO. 29843(04) SHEET NO. S030

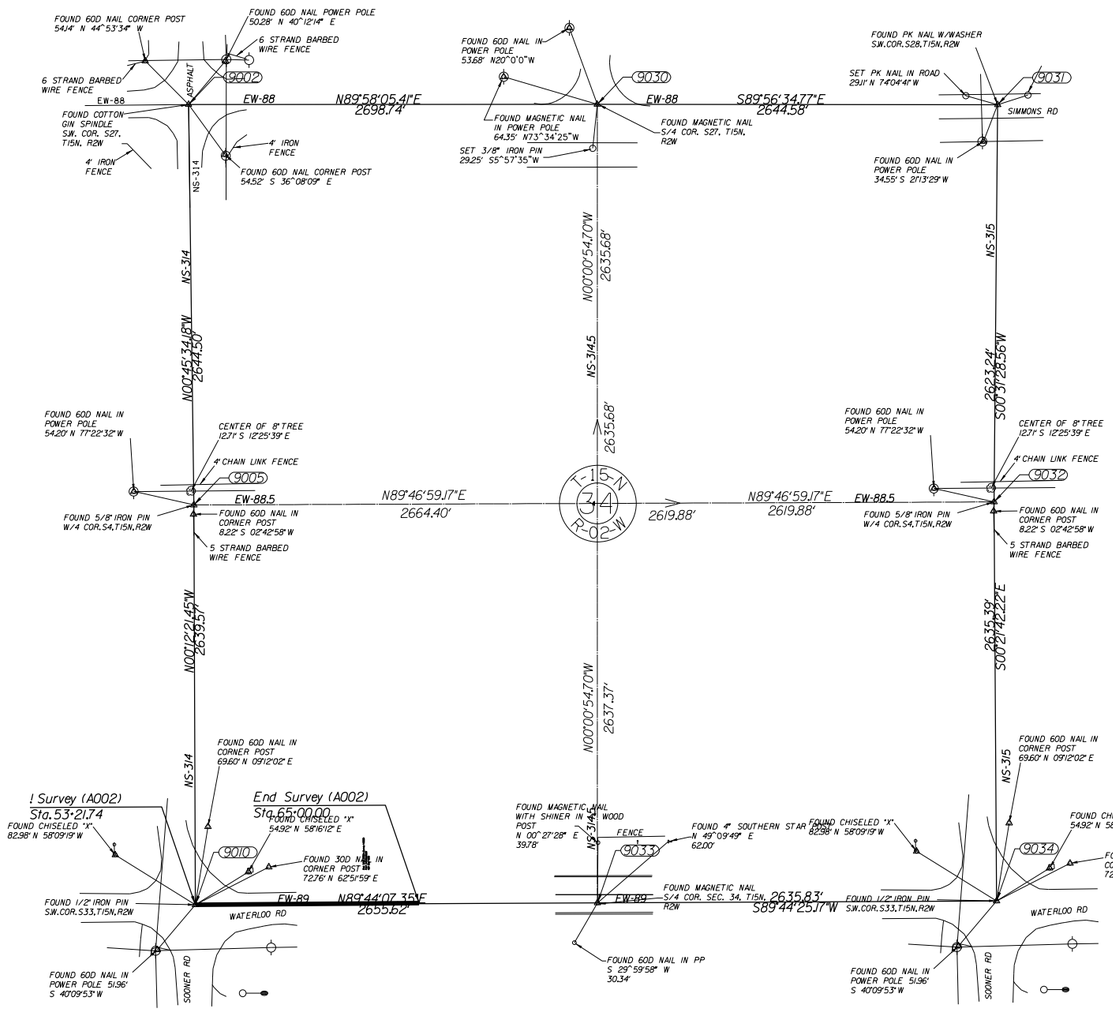
OKLAHOMA DEPARTMENT OF TRANSPORTATION					
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	OKLA.				

REVISIONS	
DESCRIPTION	DATE

NORTH 1/4 SECTION CORNER - ODOT* L-42-763
SOUTH CORNER-SET MAGNETIC NAIL IN ROADWAY THAT AGREES WITH ROBERT R.HUME P.L.S.NO.1531 CERTIFIED CORNER RECORD MAY 02,2005 LOCATION.MATCHED ONE OF MR.JOHNSONS REFERENCE POINTS;TWO 60D NAILS IN EXISTING POWER POLES.SET 3/8" IRON PIN FOR REFERENCE POINT.USED TWO 60D NAILS IN EXISTING POWER POLES FOR SECOND AND THIRD REFERENCE.

NORTHWEST SECTION CORNER - ODOT* L-42-693
FOUND PK NAIL WITH THAT CLOSELY MATCHES NAIL SET BY KENNETH EDWIN HAUK P.L.S.NO.1300 CERTIFIED CORNER RECORD FEBRUARY 20, 2013.MATCHED ONE OF MR.HAUK'S REFERENCES;40D NAIL IN POWER POLE.SET ADDITIONAL REFERENCE PK NAILS IN EDGE OF ROADWAY.

NORTHWEST SECTION CORNER - ODOT* L-42-762
FOUND PK NAIL WITH THAT CLOSELY MATCHES NAIL SET BY KENNETH EDWIN HAUK P.L.S.NO.1300 CERTIFIED CORNER RECORD FEBRUARY 20, 2013.MATCHED ONE OF MR.HAUK'S REFERENCES;40D NAIL IN POWER POLE.SET ADDITIONAL REFERENCE PK NAILS IN EDGE OF ROADWAY.



WEST 1/4 SECTION CORNER - ODOT* 0-55-1789
FOUND 5/8" IRON PIN THAT CLOSELY MATCHES LOCATION DAMON K. DURHAM P.L.S.NO.1521 CERTIFIED CORNER RECORD DECEMBER 21, 2011.MATCHED ONE OF MR.DURHAM'S REFERENCES;60D NAIL IN POWER POLE.

EAST 1/4 SECTION CORNER - ODOT* 0-55-1862
FOUND 5/8" IRON PIN THAT CLOSELY MATCHES LOCATION DAMON K. DURHAM P.L.S.NO.1521 CERTIFIED CORNER RECORD DECEMBER 21, 2011.MATCHED ONE OF MR.DURHAM'S REFERENCES;60D NAIL IN POWER POLE.

SOUTHEAST SECTION CORNER - ODOT* 0-55-1863
FOUND PK MATCHING DAMON K.DURHAM P.L.S.NO.1521 CERTIFIED CORNER RECORD DECEMBER 21,2011.MATCHED THREE OF MR.DURHAM'S REFERENCES;60D NAIL IN CORNER POST,30D NAIL IN CORNER POST,AND 60D NAIL IN POWER POLE

SCALE:
1" = 500'

NOTE: REFERENCE'S SHOWN ARE NOT TO SCALE.

SOUTHWEST SECTION CORNER - ODOT* 0-55-1792
FOUND PK MATCHING DAMON K.DURHAM P.L.S.NO.1521 CERTIFIED CORNER RECORD DECEMBER 21,2011.MATCHED THREE OF MR.DURHAM'S REFERENCES;60D NAIL IN CORNER POST,30D NAIL IN CORNER POST.AND 60D NAIL IN POWER POLE

SOUTH 1/4 SECTION CORNER - ODOT* 0-55-1793
South Corner-FOUND MAGNETIC NAIL AND 3 REFERENCES AS SHOWN BY ROBERT R.HUME P.L.S.NO.1531 ON CERTIFIED CORNER RECORD MAY 04, 2005.

PLS	CDB		OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION
DRAWN	CAH		SURVEY DATA SHEET
CHECKED	GAA		SHEET 28 OF 30
APPROVED	BAP		SWO 4989 (1) PROJECT NO. 29843(04) SHEET NO. S031
CREW	CHOUTEAU		

SDS 30 OF 32

OKLAHOMA DEPARTMENT OF TRANSPORTATION					
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	OKLA.				

REVISIONS	
DESCRIPTION	DATE

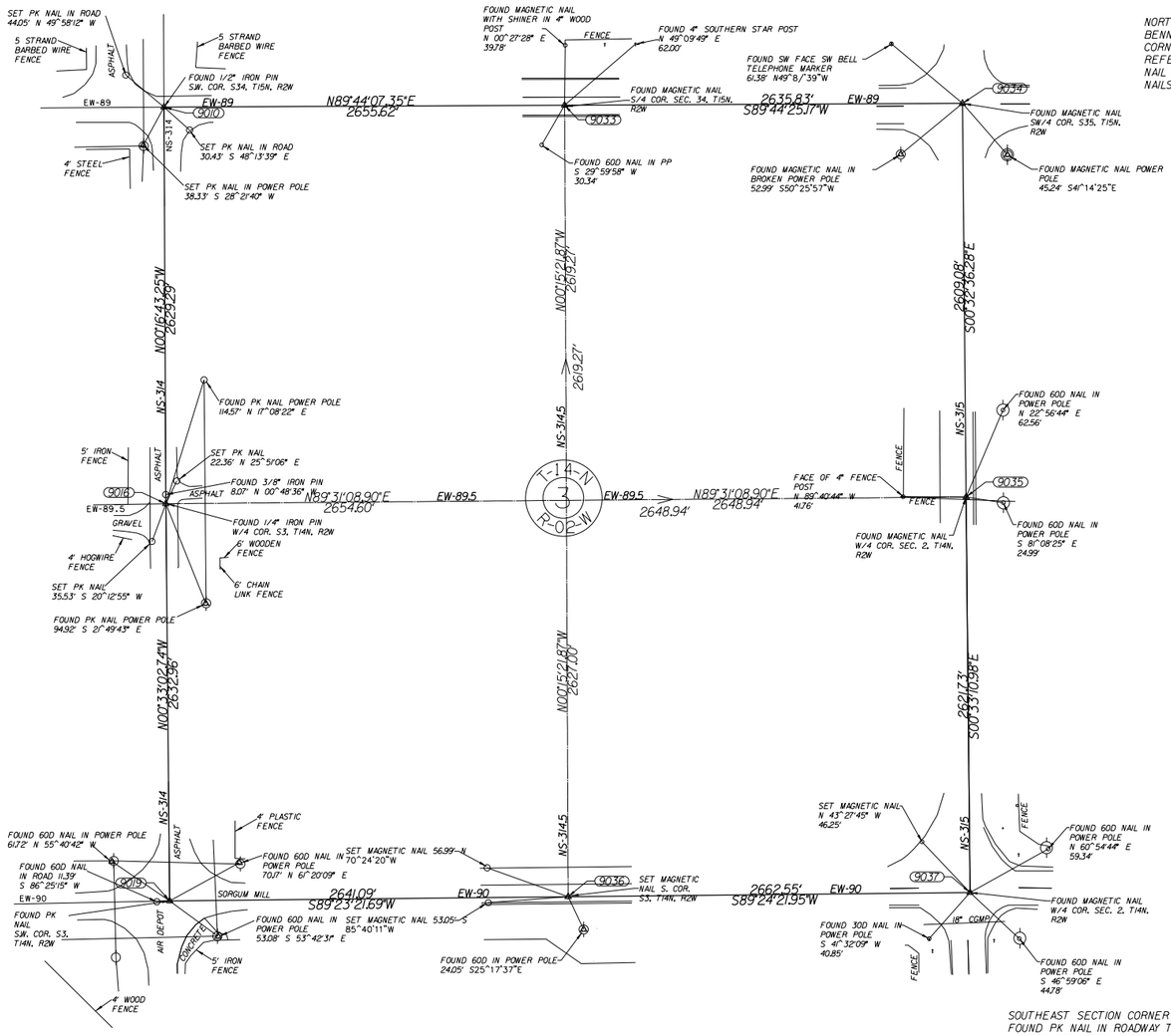
NORTHWEST SECTION CORNER - ODOT* L-42-693
FOUND PK MATCHING DAMON K.DURHAM P.L.S.NO.1521 CERTIFIED CORNER RECORD DECEMBER 21,2011.MATCHED THREE OF MR.DURHAM'S REFERENCES;60D NAIL IN CORNER POST,30D NAIL IN CORNER POST,AND 60D NAIL IN POWER POLE

NORTH 1/4 SECTION CORNER - ODOT* L-42-763
FOUND 1/2" IRON PIN WITH CAP STAMPED "LS 1521" THAT MATCHES DAMON K.DURHAM P.L.S.NO.1521 CERTIFIED CORNER RECORD DECEMBER 21,2011. MATCHED THREE OF MR.DURHAM'S REFERENCES; CHISLED "X"S IN CONCRETE BRIDGE WINGS AND CABLE BARRIER CONCRETE.

NORTHEAST SECTION CORNER - ODOT* 0-55-1868
BENNETT SURVEYING FOUND 1/2" IRON PIN AT SECTION CORNER LOCATION.NO CERTIFIED CORNER RECORD FOR REFERENCE.ADDITIONAL REFERENCE POINTS SET:PK NAIL SET IN POWER POLE AND TWO ADDITIONAL PK NAILS SET IN ROADWAY.

WEST 1/4 SECTION CORNER - ODOT* 0-55-1789
FOUND 2" ALUMINUM CAP SET BY SHAUN CHRISTOPHER AXTON P.L.S.NO.1494 RECORDED ON CERTIFIED CORNER RECORD 2-25-2009.MATCHED TWO OF MR.AXTON'S REFERENCES;MAILBOX AND PK NAIL W/SHINER. SET TWO ADDITIONAL REFERENCES.GOOD DISTANCE MATCH BETWEEN NW CORNER AND SW CORNER OF SECTION 4 ALSO SHOWN ON MR.AXTON'S CCR AND VERIFIED BY BENNETT FIELD OBSERVATIONS.

EAST 1/4 SECTION CORNER - ODOT* 0-55-1862
FOUND 1/4" IRON PIN THAT MATCHES ROBERT L.MCCUTCHAN P.L.S.NO.153 CERTIFIED CORNER RECORD DECEMBER 16,1997 AND STEVE ROLAND SCHUELEIN P.L.S.NO.1256 CERTIFIED CORNER RECORD OCTOBER 13,1995 LOCATIONS.MATCHED TWO OF MR.MCCUTCHAN'S AND MR.SCHUELEIN'S REFERENCES;PK NAILS WITH SHINERS IN POWER POLES.SET ADDITIONAL REFERENCE PK NAILS IN ROADWAY.



SOUTHWEST SECTION CORNER - ODOT* 0-55-1792
FOUND MAG NAIL THAT MATCHES ROBERT L.MCCUTCHAN P.L.S.NO.153 LOCATION ON CERTIFIED CORNER RECORD MARCH 5,2010 AND ANTHONY B.COLE P.L.S.NO.1445 CERTIFIED CORNER RECORD JANUARY 22,2008.MATCHED TWO OF MR.MCCUTCHAN'S AND MR.COLE'S REFERENCES;60D NAILS IN POWER POLES.SET ADDITIONAL REFERENCE PK NAIL WITH WASHER IN ROADWAY.

SOUTH 1/4 SECTION CORNER - ODOT* 0-55-1867
Set a Chiseled X for the South corner of Sec.4,calculated from the FAP I-35-4(8) State Highway Plans.There are also four corner references that were found at this location.

SOUTHEAST SECTION CORNER - ODOT* 0-55-1863
FOUND PK NAIL IN ROADWAY THAT AGREES WITH JOHN POWERS P.L.S. NO.1369 CERTIFIED CORNER RECORD MAY 7,2008 LOCATION.MATCHED FOUR OF MR.POWERS REFERENCE POINTS;60D NAILS IN POWER POLES AND 60D NAIL IN ROADWAY.

SCALE: 1" = 500'

NOTE: REFERENCE'S SHOWN ARE NOT TO SCALE.

SDS 31 OF 32

PLS	CDB	
DRAWN	CAH	
CHECKED	GAA	
APPROVED	BAP	
CREW	CHOUTEAU	

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

SHEET 29 OF 30

SWO 4989 (1) PROJECT NO. 29843(04) SHEET NO. S032

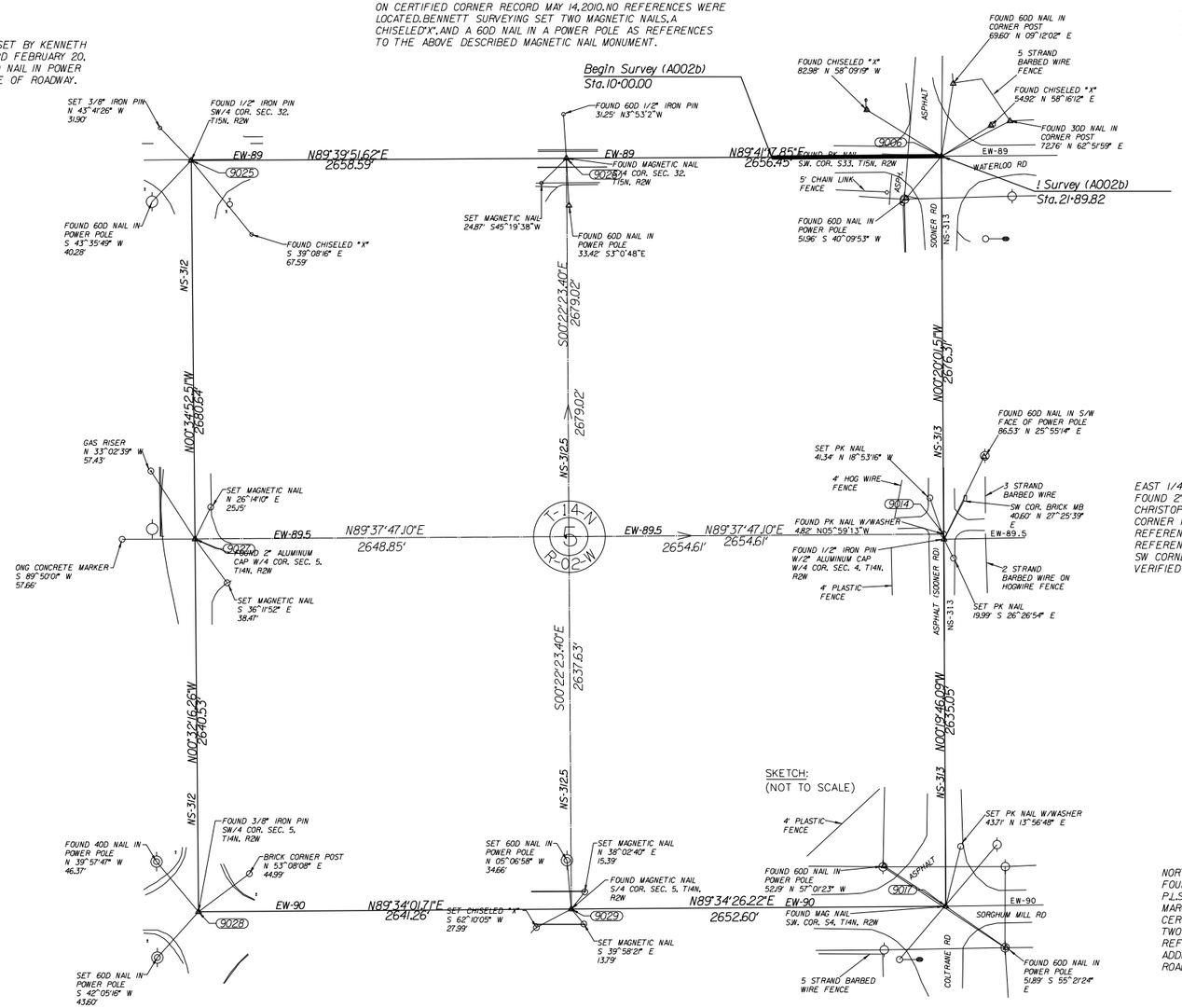
OKLAHOMA DEPARTMENT OF TRANSPORTATION					
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	OKLA.				

REVISIONS	
DESCRIPTION	DATE

NORTHWEST SECTION CORNER - ODOT* L-42-756
FOUND PK NAIL WITH THAT CLOSELY MATCHES NAIL SET BY KENNETH EDWIN HAUK P.L.S.NO.1300 CERTIFIED CORNER RECORD FEBRUARY 20, 2013.MATCHED ONE OF MR.HAUK'S REFERENCES; 40D NAIL IN POWER POLE.SET ADDITIONAL REFERENCE PK NAILS IN EDGE OF ROADWAY.

NORTH 1/4 SECTION CORNER - ODOT* L-42-758
FOUND MAGNETIC NAIL AS SHOWN BY ROBERT L.MCCUTCHAN L.S.NO.153 ON CERTIFIED CORNER RECORD MAY 14,2010.NO REFERENCES WERE LOCATED.BENNETT SURVEYING SET TWO MAGNETIC NAILS,A CHISELED'X',AND A 60D NAIL IN A POWER POLE AS REFERENCES TO THE ABOVE DESCRIBED MAGNETIC NAIL MONUMENT.

NORTHEAST SECTION CORNER - ODOT* L-42-691
FOUND PK MATCHING DAMON K.DURHAM P.L.S.NO.1521 CERTIFIED CORNER RECORD DECEMBER 21,2011.MATCHED THREE OF MR. DURHAM'S REFERENCES;60D NAIL IN CORNER POST,30D NAIL IN CORNER POST,AND 60D NAIL IN POWER POLE



WEST 1/4 SECTION CORNER- ODOT* 0-55-1864
FOUND 2" ALUMINUM CAP SET BY UNKNOWN PERSONS AND FOUND TWO REFERENCES AS SHOWN BY CURTIS LEE HALE L.S.NO.1084 RECORDED ON CERTIFIED CORNER RECORD 12-14-1998.BENNETT SURVEYING SET TWO MAGNETIC NAILS AS REFERENCES TO THE ABOVE DESCRIBED 2" ALUMINUM CAP MONUMENT.

EAST 1/4 SECTION CORNER - ODOT* 0-55-1788
FOUND 2" ALUMINUM CAP "MDA CA 3045" SET BY SHAUN CHRISTOPHER AXTON P.L.S.NO.1494 RECORDED ON CERTIFIED CORNER RECORD 2-25-2009.MATCHED TWO OF MR.AXTON'S REFERENCES; MAILBOX AND PK NAIL W/SHINER.SET TWO ADDITIONAL REFERENCES.GOOD DISTANCE MATCH BETWEEN NW CORNER AND SW CORNER OF SECTION 4 ALSO SHOWN ON MR.AXTON'S CCR AND VERIFIED BY BENNETT FIELD OBSERVATIONS.

NORTHEAST SECTION CORNER - ODOT* 0-55-1790
FOUND MAG NAIL THAT MATCHES ROBERT L.MCCUTCHAN P.L.S.NO.153 LOCATION ON CERTIFIED CORNER RECORD MARCH 5,2010 AND ANTHONY B.COLE P.L.S.NO.1445 CERTIFIED CORNER RECORD JANUARY 22,2008.MATCHED TWO OF MR.MCCUTCHAN'S AND MR.COLE'S REFERENCES.60D NAILS IN POWER POLES.SET ADDITIONAL REFERENCE PK NAIL WITH WASHER IN ROADWAY.

SCALE: 1" = 500'

NOTE: REFERENCE'S SHOWN ARE NOT TO SCALE.

SOUTHWEST SECTION CORNER - ODOT* 0-55-1865
SOUTWEST CORNER-FOUND 3/8" IRON PIN AND TWO REFERENCES AS SHOWN BY ROBERT L.MCCUTCHAN L.S.NO.153 ON CERTIFIED CORNER RECORD MAY 14,2010.BENNETT SURVEYING SET A 60D NAIL IN A POWER POLE AS A REFERENCE TO THE ABOVE DESCRIBED 3/8" IRON PIN MONUMENT.

SOUTH 1/4 SECTION CORNER - ODOT* 0-55-1866
FOUND MAGNETIC NAIL AS SHOWN BY ROBERT L. MCCUTCHAN L.S.NO.153 ON CERTIFIED CORNER RECORD MAY 14,2010.NO REFERENCES WERE LOCATED.BENNETT SURVEYING SET TWO MAGNETIC NAILS,A CHISELED'X', AND A 60D NAIL IN A POWER POLE AS REFERENCES TO THE ABOVE DESCRIBED MAGNETIC NAIL MONUMENT.

			OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION
PLS	CDB		
DRAWN	CAH		SURVEY DATA SHEET
CHECKED	GAA		SHEET 30 OF 30
APPROVED	BAP		
CREW	CHOUTEAU		SWO 4989 (1) PROJECT NO. 29843(04) SHEET NO. S033

SDS 32 OF 32

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

PERMANENT TEMPORARY

PHASE 1
TRAFFIC:
-ALL TRAFFIC REMAINS ON EXISTING PAVEMENT. SOME LOCATIONS REQUIRING REDUCED TRAVEL WIDTHS FOR SHOULDER WORK.
CONSTRUCTION:
-CONSTRUCT TEMPORARY WIDENINGS FOR USE IN LATER PHASES (I-35, WATERLOO ROAD, BOUCHER DRIVE).
-CONSTRUCT PERMANENT WIDENINGS SOUTH OF WATERLOO ROAD AT THE TIE-INS (STA. 32+70 TO 36+50 AND STA. 95+50 - 99+60)
-INSTALL BRIDGE C OVER WATERLOO ROAD.

PHASE 2A
TRAFFIC:
-I-35 SB TRAFFIC SHIFTED TO INTERIOR TEMPORARY WIDENING AND TEMPORARY BRIDGE.
-SB RAMP TRAFFIC UTILIZE GAP THROUGH I-35 CONSTRUCTION.
-ALL OTHER TRAFFIC REMAINS ON EXISTING PAVEMENT.
CONSTRUCTION:
-CONSTRUCT OUTSIDE PORTION OF I-35 SB PROPOSED PAVEMENT, INCLUDING TEMPORARY WIDENING SOUTH OF THE BRIDGE.
-CONSTRUCT INSIDE PORTION OF RAMP A AND RAMP C.
-CONSTRUCT SHOO-FLY A-1 AND A-2.
-CONSTRUCT WEST PORTION OF BRIDGE B.

PHASE 2B
TRAFFIC:
-SB RAMP TRAFFIC UTILIZE SHOO-FLY A-1 AND NEWLY CONSTRUCTED SEGMENTS OF RAMP A AND RAMP C.
-ALL OTHER TRAFFIC REMAINS AS WITH PREVIOUS PHASE.
CONSTRUCTION:
-COMPLETE CONSTRUCTION OF RAMP A AND RAMP C THROUGH THE RAMP PROPER.
-CONSTRUCT THE OUTSIDE PORTION OF I-35 SB PROPOSED PAVEMENT PREVIOUSLY LEFT AS A GAP FOR RAMP TRAFFIC.

PHASE 3
TRAFFIC:
-I-35 SB TRAFFIC SHIFTED OUT ONTO COMPLETED PORTION OF NEW PAVEMENT AND TEMPORARY WIDENING.
-I-35 NB TRAFFIC SHIFTED OUT ONTO TEMPORARY WIDENING.
CONSTRUCTION:
-CONSTRUCT CENTER PORTION OF I-35, EXCLUDING THE PROPOSED CENTER MEDIAN BARRIER, TO ALLOW FOR CROSSOVERS IN LATER PHASE.
-REMOVE BRIDGE C AND CONSTRUCT REMAINING SOUTH BOUND PORTION OF BRIDGE B.

PHASE 4
TRAFFIC:
-I-35 SB TRAFFIC REMAINS SHIFTED OUT ONTO COMPLETED PORTION OF NEW PAVEMENT AND TEMPORARY WIDENING.
-I-35 NB TRAFFIC UTILIZE CROSSOVER TO COMPLETED SB PAVEMENT AND COMPLETED BRIDGE B.
-NB RAMP TRAFFIC UTILIZE OUTSIDE EDGE OF EXISTING PAVEMENT.
-WATERLOO TRAFFIC SHIFTED SOUTH AND ONTO TEMPORARY WIDENING IN SOME LOCATIONS AS NEEDED.
CONSTRUCTION:
-CONSTRUCT I-35 NB PAVEMENT BETWEEN THE GORES OF RAMP B AND RAMP D.
-CONSTRUCT INSIDE PORTIONS OF RAMP B AND RAMP D.
-CONSTRUCT BRIDGE A.
-CONSTRUCT MAJORITY OF NORTHERN PORTION OF WATERLOO ROAD.
-CONSTRUCT PORTION OF FRONTAGE ROAD REALIGNMENT WITHOUT AFFECTING TRAFFIC.
-CONSTRUCT TEMPORARY PAVEMENT TRANSITIONS AT THE INTERSECTIONS FROM PROPOSED WATERLOO TO EXISTING NORTH SOONER ROAD, RAMP C, AND RAMP D.
-CONSTRUCT SHOO-FLY B-1 AND C-1.

PHASE 5
TRAFFIC:
-I-35 SB TRAFFIC REMAINS SHIFTED OUT ONTO COMPLETED PORTION OF NEW PAVEMENT AND TEMPORARY WIDENING.
-I-35 NB TRAFFIC SHIFTED TO INSIDE EDGE OF COMPLETED NB PAVEMENT.
-NB RAMP TRAFFIC UTILIZE COMPLETED PORTIONS OF RAMP B AND RAMP D, INCLUDING SHOO-FLY B-1.
-SB RAMP TRAFFIC UTILIZE COMPLETED PORTIONS OF RAMP A AND RAMP C, INCLUDING SHOO-FLY A-2 AND C-1.
-WATERLOO TRAFFIC SHIFTED NORTH ONTO COMPLETED PORTIONS OF WATERLOO AND TEMPORARY TRANSTIONS ACROSS EXISTING RAMPS C AND D.
CONSTRUCTION:
-COMPLETE REMAINING I-35 NB PROPOSED ROADWAY PAVEMENT.
-COMPLETE CONSTRUCTION OF RAMP B AND RAMP D THROUGH THE RAMP PROPER.
-CONSTRUCT SHOO-FLY A-3 AND B-2.
-CONSTRUCT MAJORITY OF SOUTH PORTION OF WATERLOO ROAD, EXCLUDING LOCATIONS REQUIRED FOR TRAFFIC GAPS.
-CONSTRUCT EAST PORTION OF BOUCHER DRIVE.
-COMPLETE CONSTRUCTION OF FRONTAGE ROAD, AND INDUSTRIAL BOULEVARD.

PERMANENT TEMPORARY

PHASE 6
TRAFFIC:
-I-35 TRAFFIC UTILIZE ULTIMATE CONFIGURATION.
-RAMP TRAFFIC UTILIZE ULTIMATE CONFIGURATION THROUGH THE RAMP PROPERS.
-RAMP TRAFFIC AT THE WATERLOO ROAD TERMINI UTILIZE LANE SHIFTS AND SHOO-FLIES A-3, B-2, AND C-1.
-WATERLOO ROAD TRAFFIC SHIFTED NORTH ONTO COMPLETED PAVEMENT AND TEMPORARY TRANSITIONS ACROSS EXISTING PAVEMENT.
CONSTRUCTION:
-COMPLETE REMAINING SOUTH PORTION OF PROPOSED WATERLOO ROAD, EXCLUDING RAISED ISLANDS.
-COMPLETE CONSTRUCTION OF BOUCHER DRIVE.

PHASE 7
TRAFFIC:
-I-35 TRAFFIC AND RAMP TRAFFIC REMAIN IN ULTIMATE CONFIGURATION.
-RAMP TRAFFIC UTILIZE TEMPORARY INTERSECTIONS AT WATERLOO ROAD. (RAMP C TRAFFIC CAN ONLY TURN RIGHT ONTO WATERLOO ROAD).
-WATERLOO ROAD TRAFFIC SHIFTED SOUTH ON COMPLETED PAVEMENT.
CONSTRUCTION:
-COMPLETE WATERLOO ROAD NORTH PORTION AT RAMP C AND RAMP D TERMINI.

PHASE 8
TRAFFIC:
-I-35 AND RAMP TRAFFIC UTILIZE ULTIMATE CONFIGURATION.
-WATERLOO ROAD TRAFFIC UTILIZE DIVERGING DIAMOND CONFIGURATION, BUT REDUCED BY ONE LANE EACH DIRECTION.
CONSTRUCTION:
-CONSTRUCT ISLANDS WITH DOWELED CURBS.
-CONSTRUCT CENTER PEDESTRIAN WALKWAY.
-FINAL GRADING AND CLEANUP.

PHASE LEGEND

DESIGN	AKS	5/18
DRAWN	TML	5/18
CHECKED	JES	6/18
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED CONSTRUCTION OVERVIEW

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T001

3/28/2025 11:10:02 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_SCS_000.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

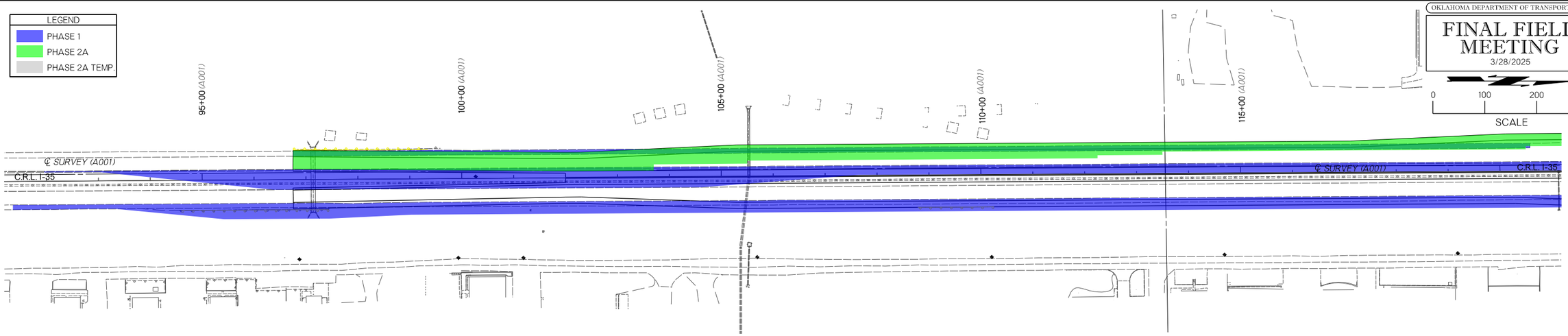
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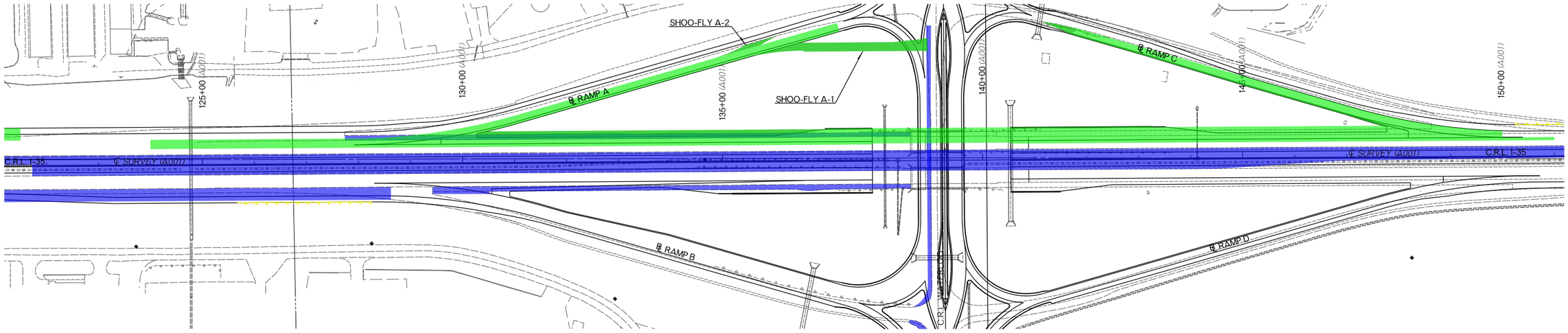
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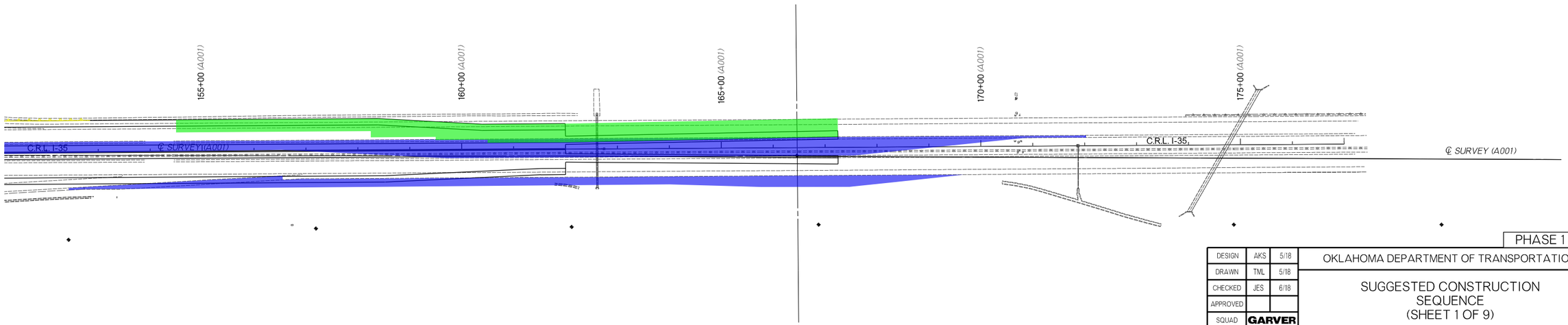
SCALE

LEGEND

- PHASE 1
- PHASE 2A
- PHASE 2A TEMP.







PHASE 1 & 2A

DESIGN	AKS	5/18
DRAWN	TML	5/18
CHECKED	JES	6/18
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED CONSTRUCTION SEQUENCE (SHEET 1 OF 9)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T002

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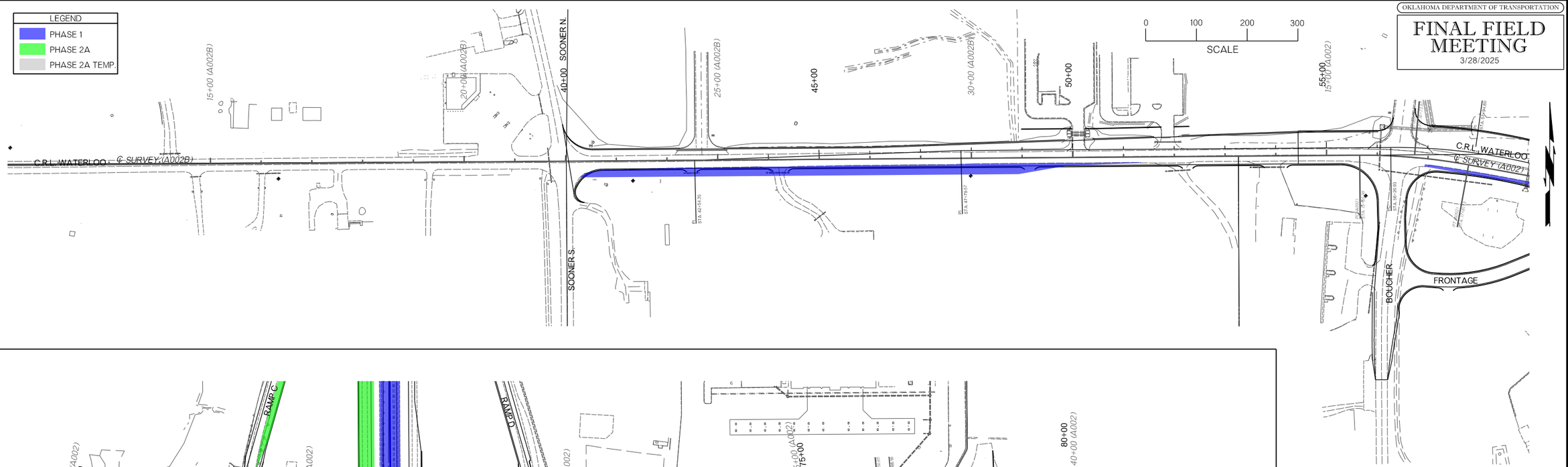
OKLAHOMA DEPARTMENT OF TRANSPORTATION

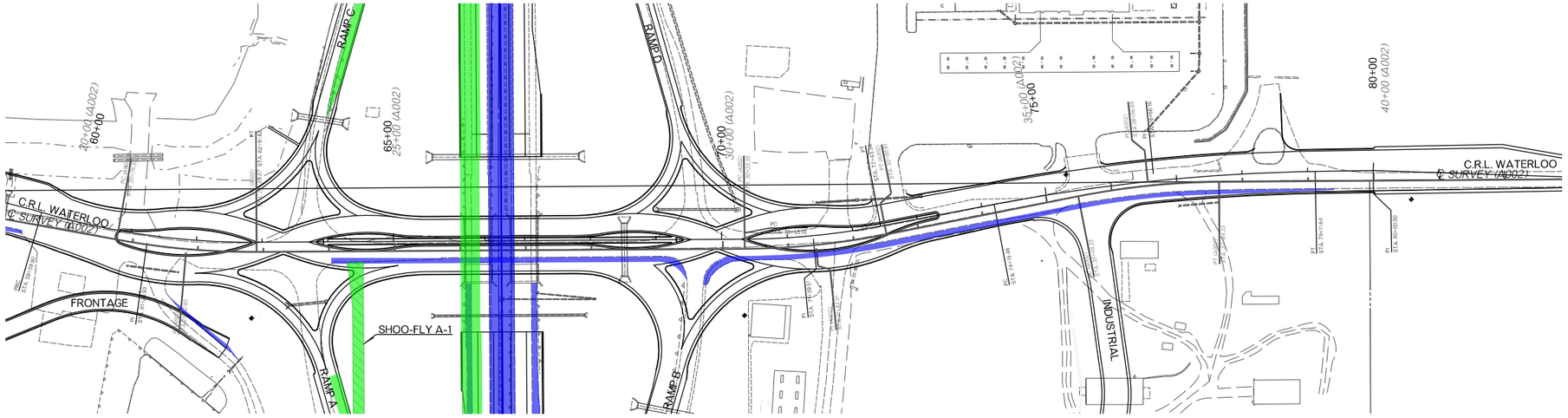
FINAL FIELD MEETING

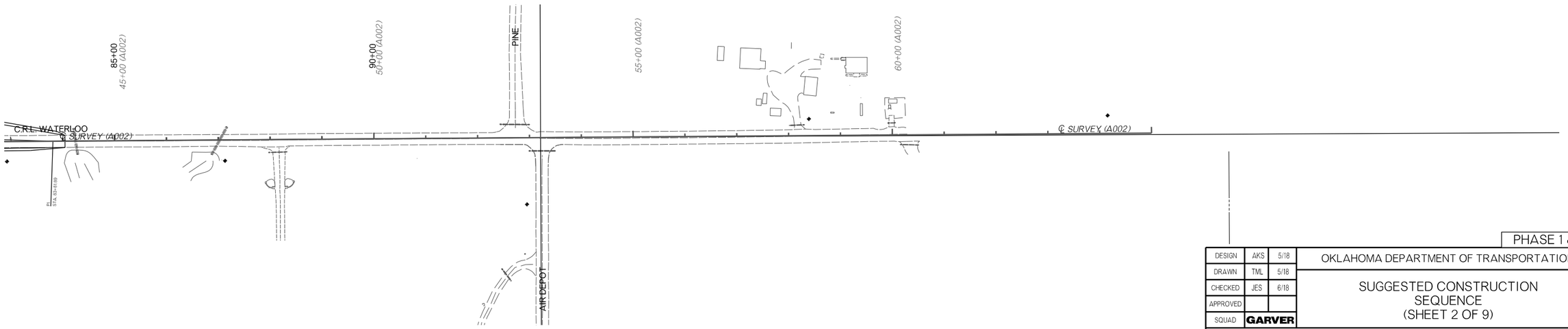
3/28/2025

LEGEND
- PHASE 1
- PHASE 2A
- PHASE 2A TEMP.

0 100 200 300
SCALE







PHASE 1 & 2A

DESIGN	AKS	5/18
DRAWN	TML	5/18
CHECKED	JES	6/18
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED CONSTRUCTION SEQUENCE (SHEET 2 OF 9)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T003

3/28/2025 11:10:16 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_SCS_002.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

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SCALE

95+00 (A001) 100+00 (A001) 105+00 (A001) 110+00 (A001) 115+00 (A001)

C.R.L. I-35 ℄ SURVEY (A001) ℄ SURVEY (A001) C.R.L. I-35

LEGEND

- PHASE 2B
- PHASE 3
- PHASE 4
- PHASE 4 TEMP.
- COMPLETED

125+00 (A001) 130+00 (A001) 135+00 (A001) 140+00 (A001) 145+00 (A001) 150+00 (A001)

℄ RAMP A ℄ RAMP C SHOO-FLY C-1

C.R.L. I-35 ℄ SURVEY (A001) ℄ SURVEY (A001) C.R.L. I-35

℄ RAMP B SHOO-FLY B-1 ℄ RAMP D

155+00 (A001) 160+00 (A001) 165+00 (A001) 170+00 (A001) 175+00 (A001)

C.R.L. I-35 ℄ SURVEY (A001) C.R.L. I-35 ℄ SURVEY (A001)

PHASE 2B, 3, & 4

DESIGN	AKS	5/18
DRAWN	TML	5/18
CHECKED	JES	6/18
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED CONSTRUCTION SEQUENCE (SHEET 3 OF 9)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T004

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

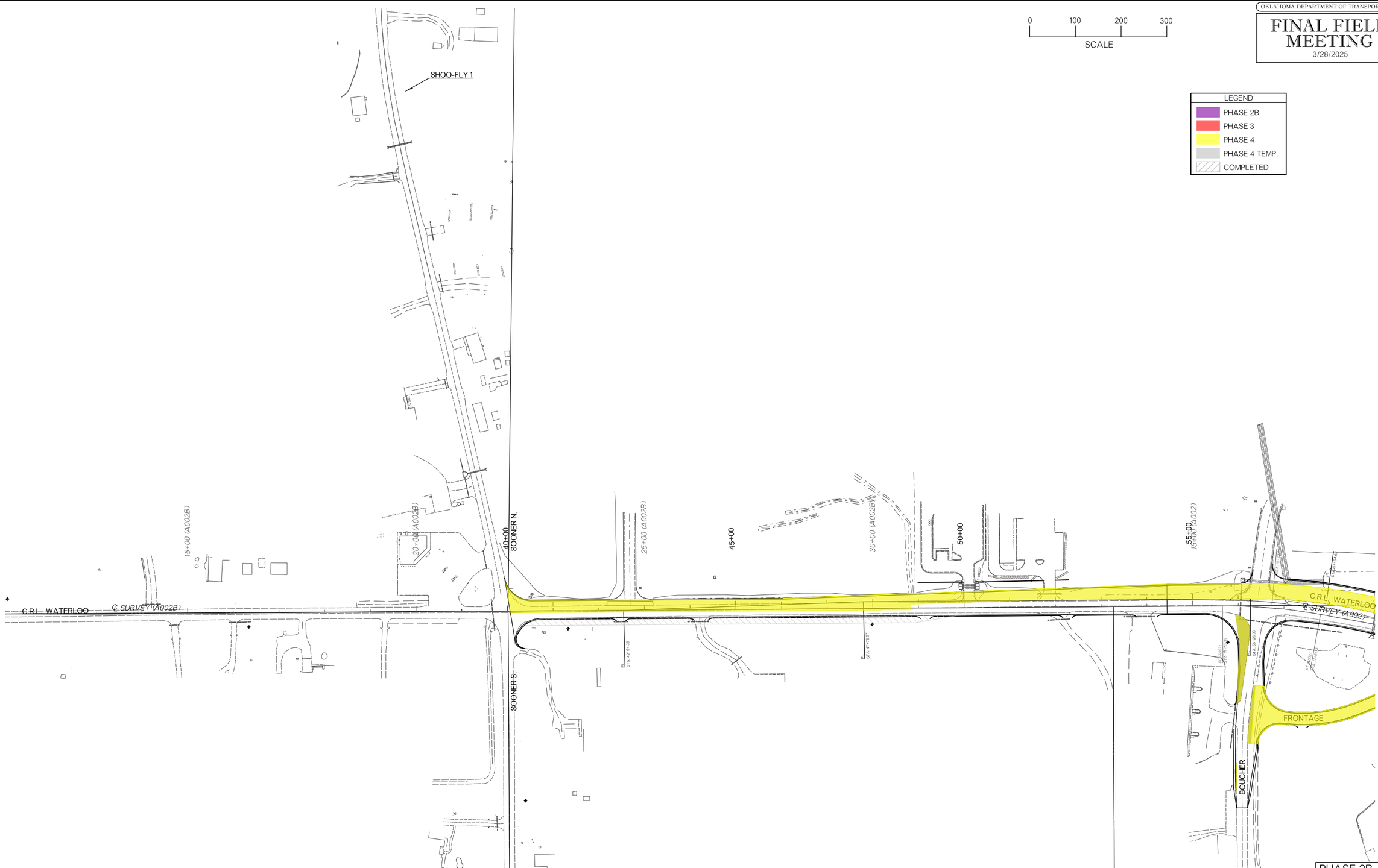
3/28/2025

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SCALE

LEGEND

- PHASE 2B
- PHASE 3
- PHASE 4
- PHASE 4 TEMP.
- COMPLETED



PHASE 2B, 3, & 4

DESIGN	AKS	5/18
DRAWN	TML	5/18
CHECKED	JES	6/18
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED CONSTRUCTION SEQUENCE (SHEET 4 OF 9)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T005

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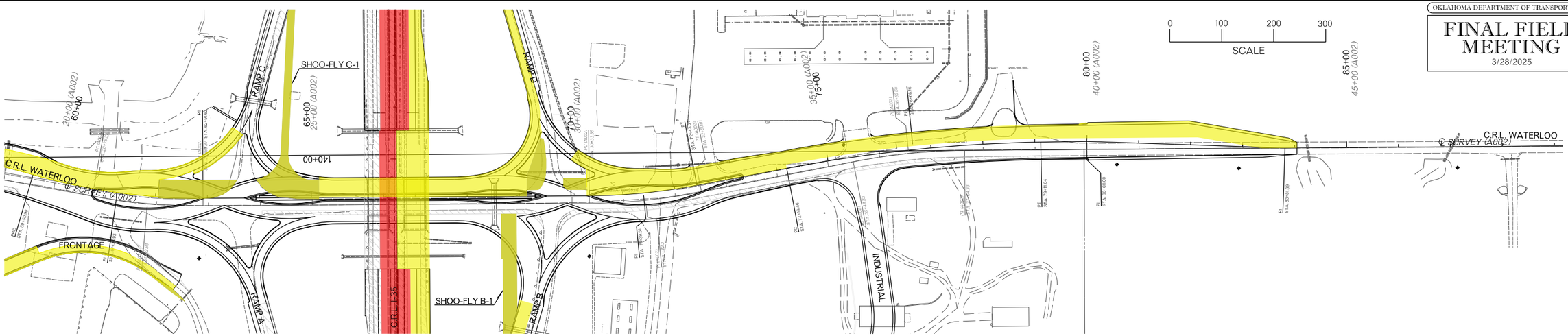
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 100 200 300

SCALE





LEGEND

- PHASE 2B
- PHASE 3
- PHASE 4
- PHASE 4 TEMP.
- COMPLETED

PHASE 2B, 3, & 4

DESIGN	AKS	5/18
DRAWN	TML	5/18
CHECKED	JES	6/18
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED CONSTRUCTION SEQUENCE (SHEET 5 OF 9)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T006

3/28/2025 11:10:33 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_SCS_005.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

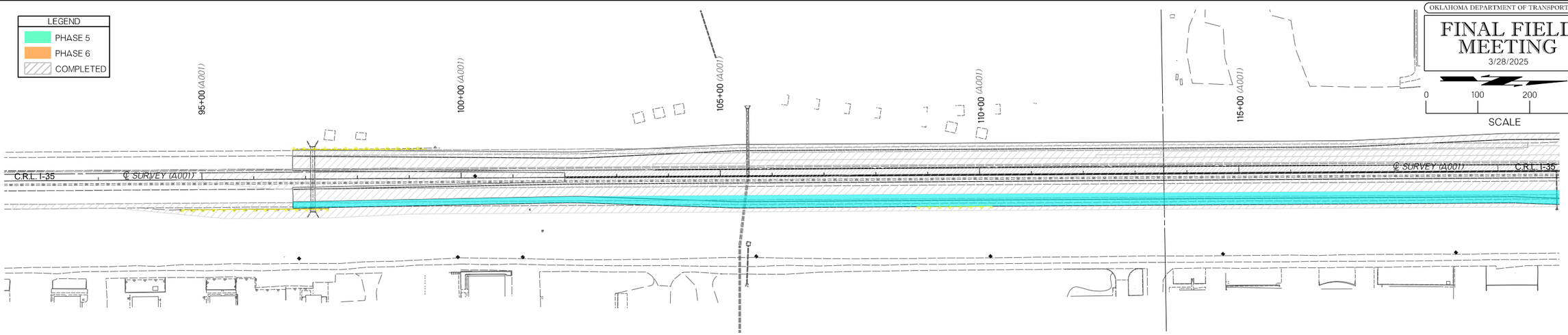
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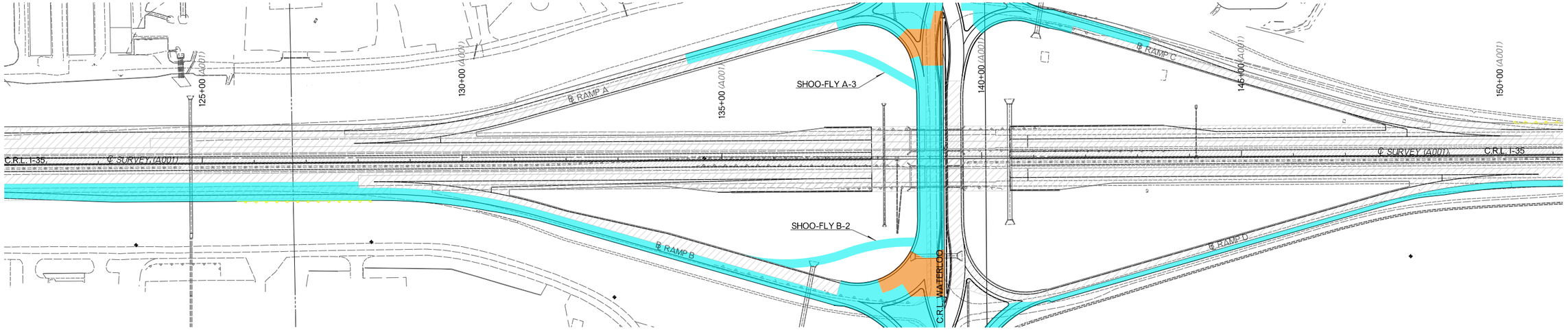
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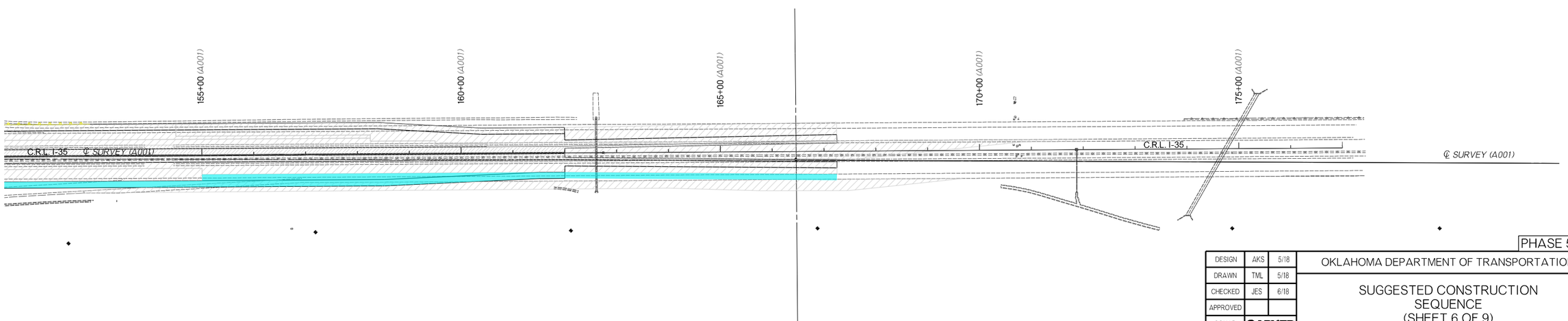
SCALE

LEGEND

- PHASE 5
- PHASE 6
- COMPLETED







PHASE 5 & 6

DESIGN	AKS	5/18
DRAWN	TML	5/18
CHECKED	JES	6/18
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED CONSTRUCTION SEQUENCE (SHEET 6 OF 9)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T007

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

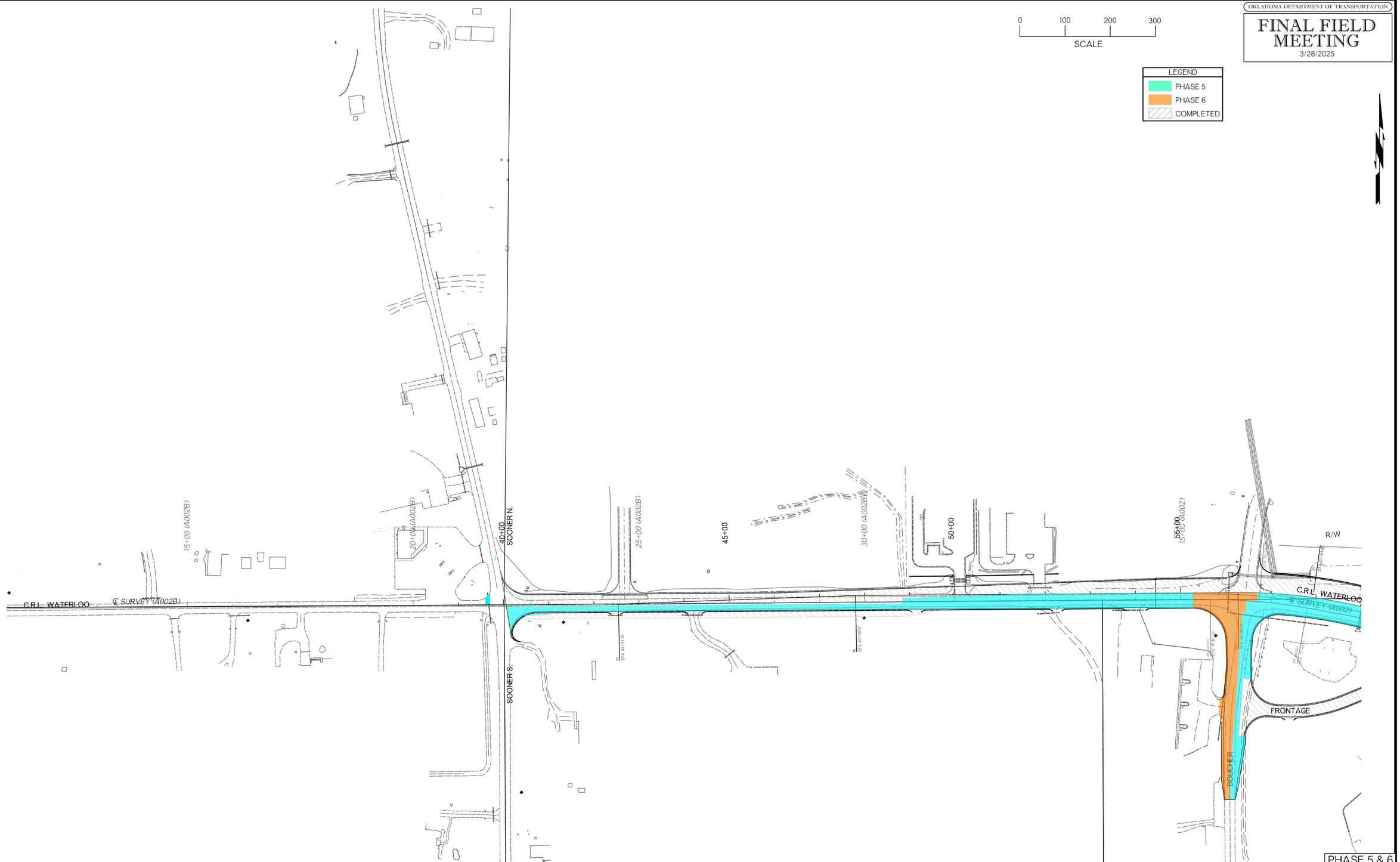
3/28/2025

0 100 200 300

SCALE

LEGEND

- PHASE 5
- PHASE 6
- COMPLETED



PHASE 5 & 6

DESIGN	AKS	5/18
DRAWN	TML	5/18
CHECKED	JES	6/18
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED CONSTRUCTION SEQUENCE (SHEET 7 OF 9)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T008

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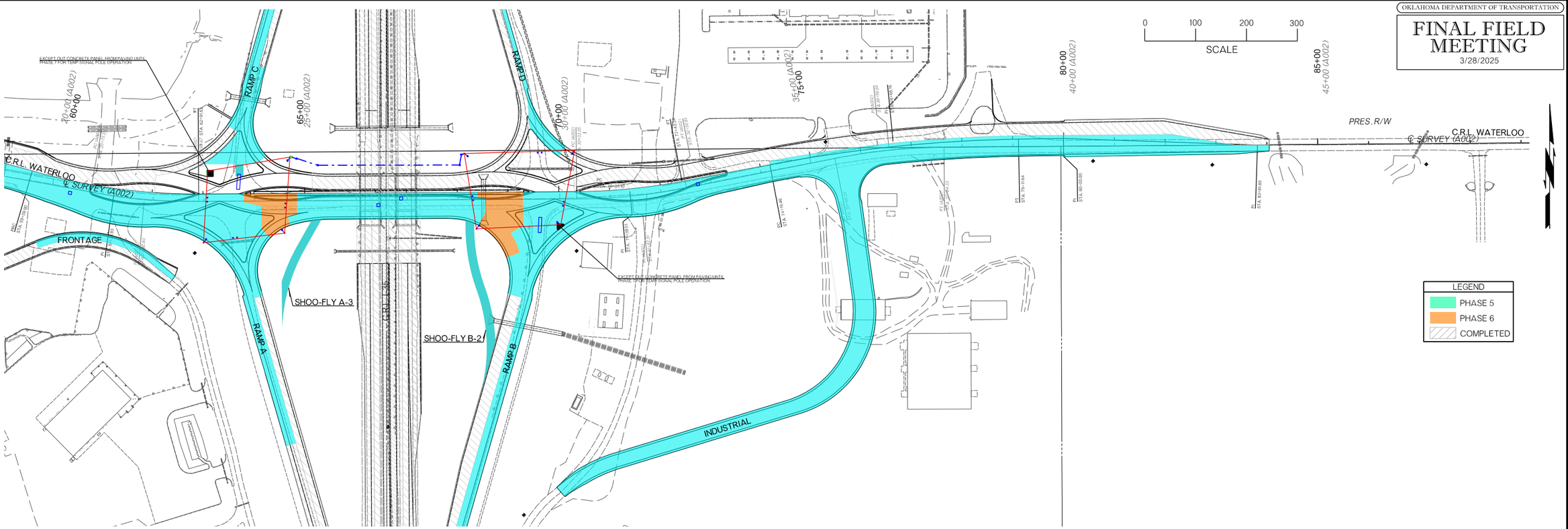
OKLAHOMA DEPARTMENT OF TRANSPORTATION

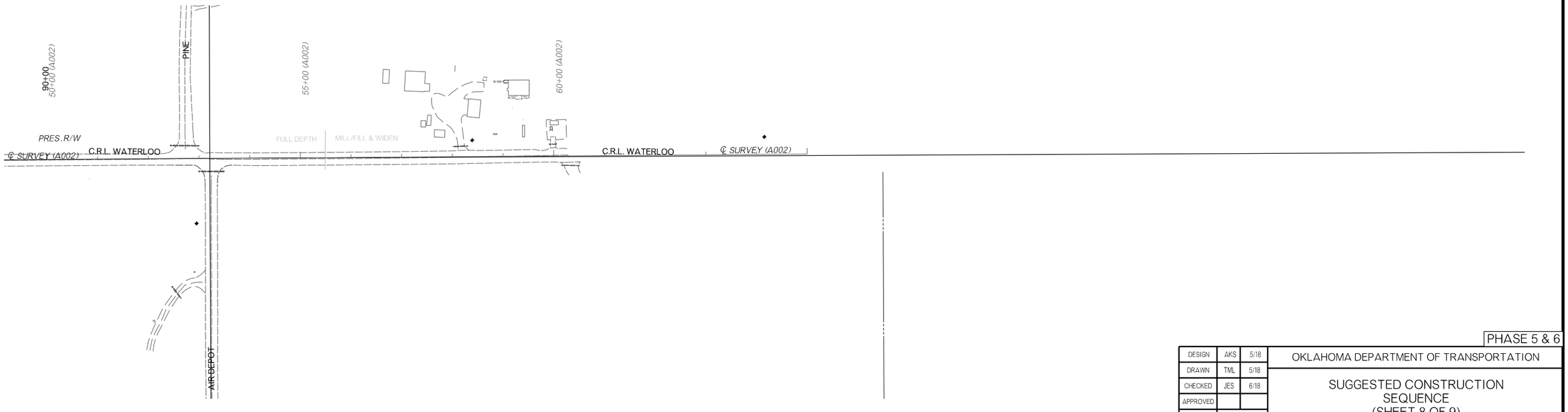
FINAL FIELD MEETING

3/28/2025

0 100 200 300

SCALE





PHASE 5 & 6

DESIGN	AKS	5/18
DRAWN	TML	5/18
CHECKED	JES	6/18
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED CONSTRUCTION SEQUENCE (SHEET 8 OF 9)

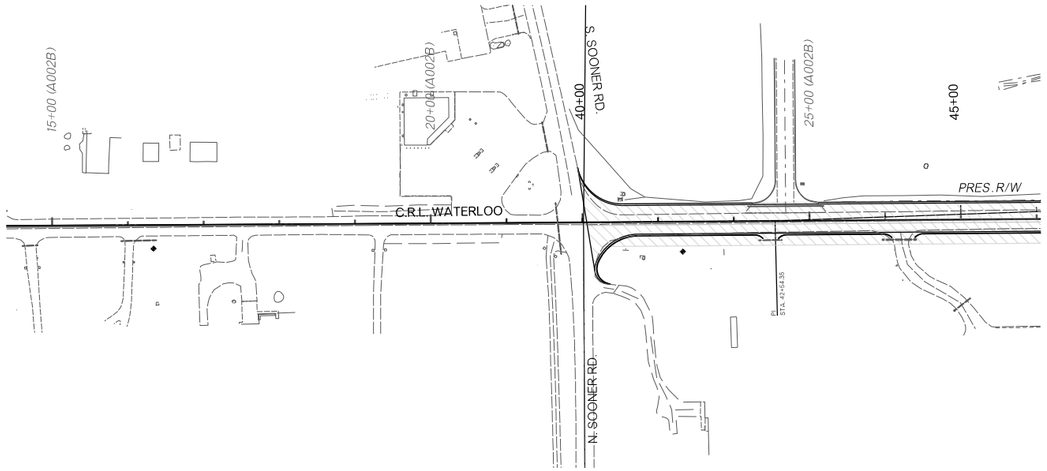
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T009

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025



0 100 200 300

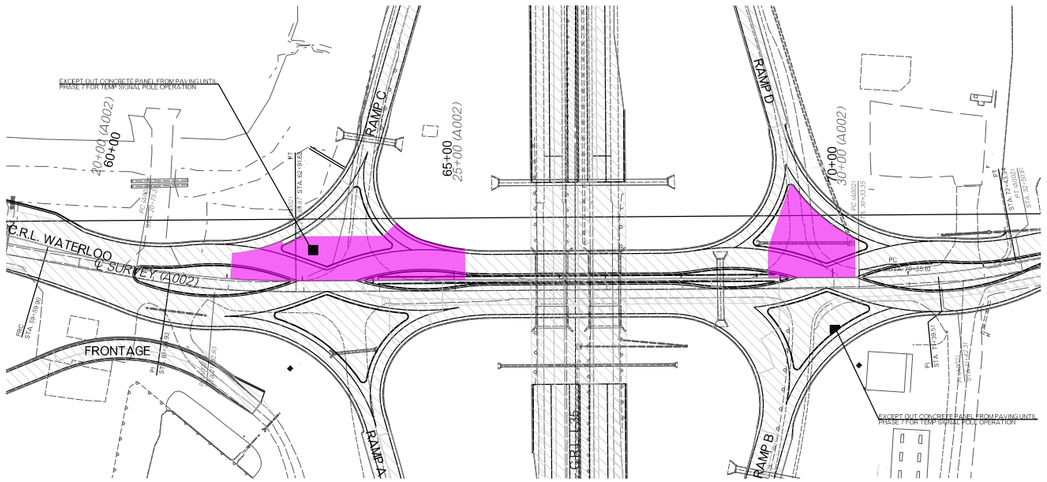
SCALE

LEGEND

PHASE 7

COMPLETED

PHASE 7



0 100 200 300

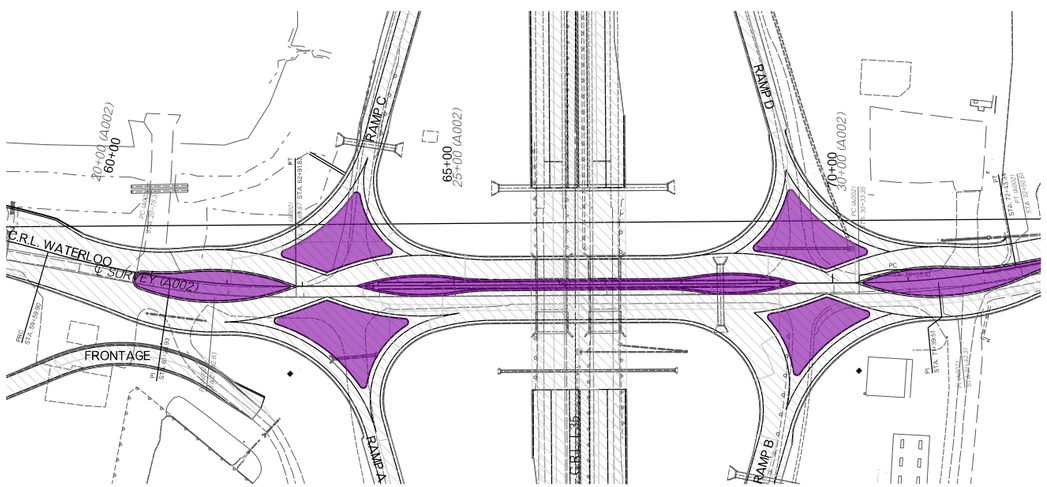
SCALE

LEGEND

PHASE 7

COMPLETED

PHASE 7



0 100 200 300

SCALE

LEGEND

PHASE 8

COMPLETED

PHASE 8

DESIGN	AKS	5/18
DRAWN	TML	5/18
CHECKED	JES	6/18
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED CONSTRUCTION SEQUENCE (SHEET 9 OF 9)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T010

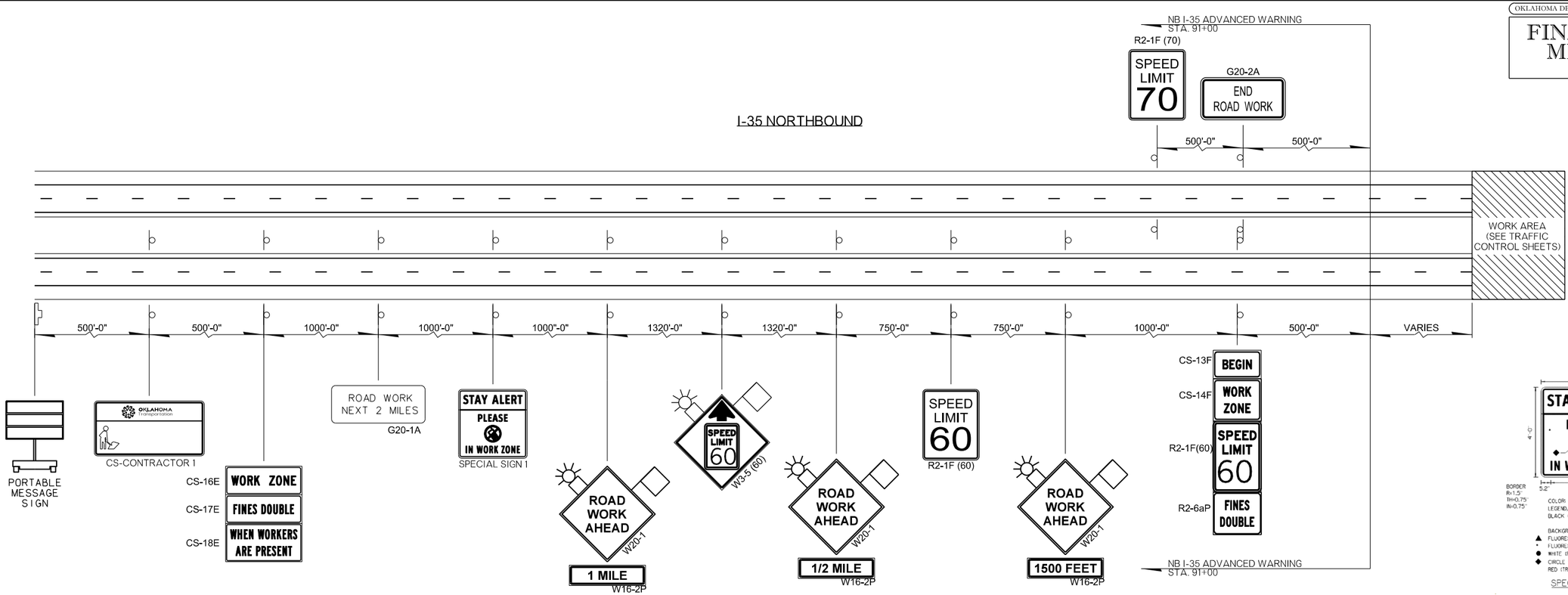
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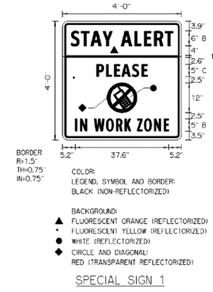
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

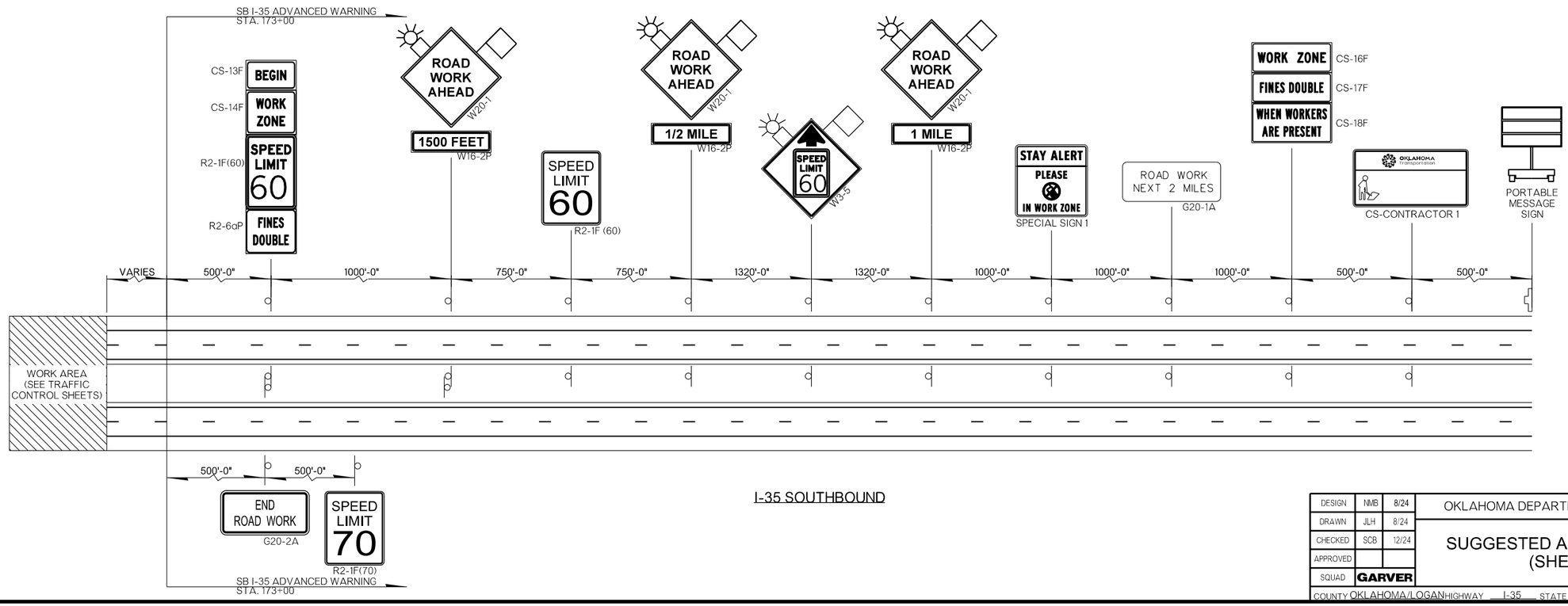
3/28/2025

I-35 NORTHBOUND





SPECIAL SIGN 1



I-35 SOUTHBOUND

DESIGN	NMB	8/24
DRAWN	JLH	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED ADVANCED WARNING (SHEET 1 OF 2)

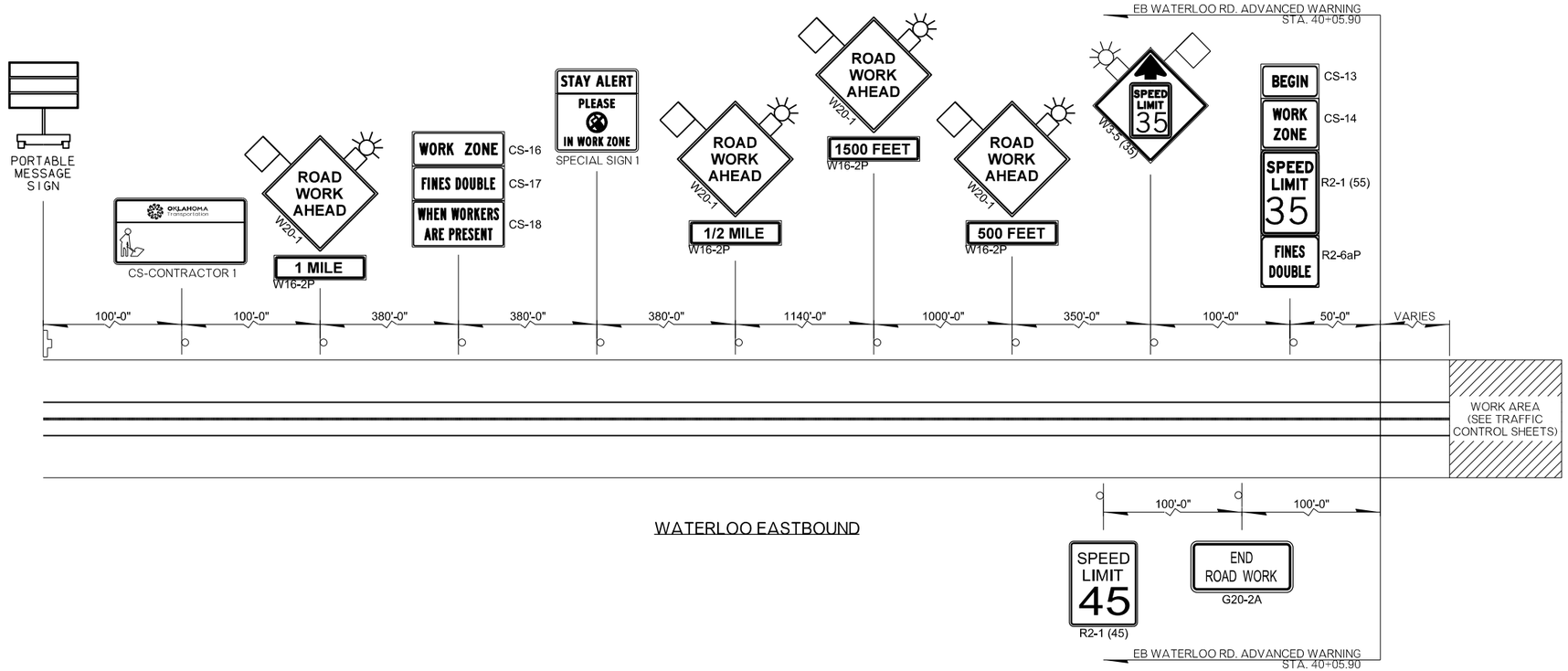
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T011

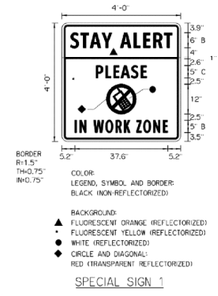
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OKLAHOMA DEPARTMENT OF TRANSPORTATION

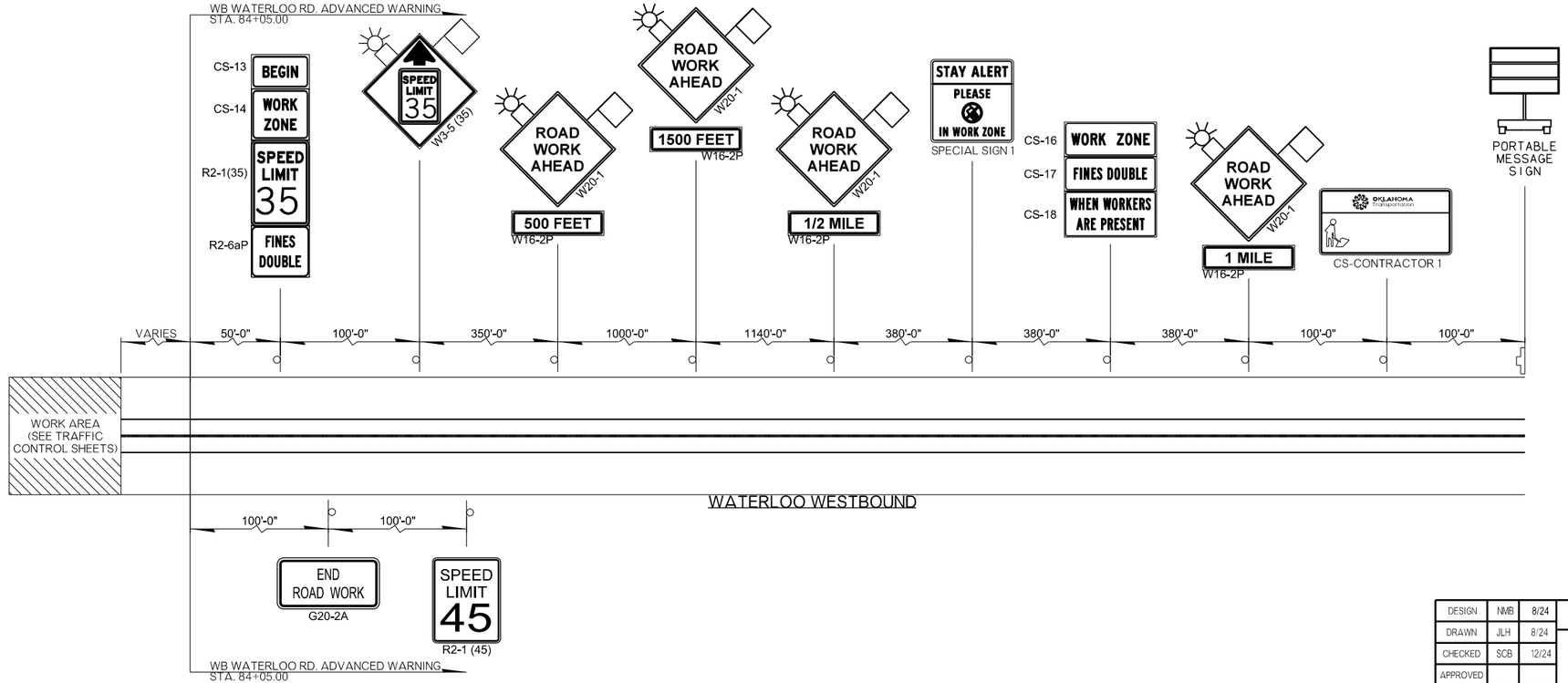
FINAL FIELD MEETING

3/28/2025





SPECIAL SIGN 1



DESIGN	NMB	8/24
DRAWN	JLH	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED ADVANCED WARNING (SHEET 2 OF 2)

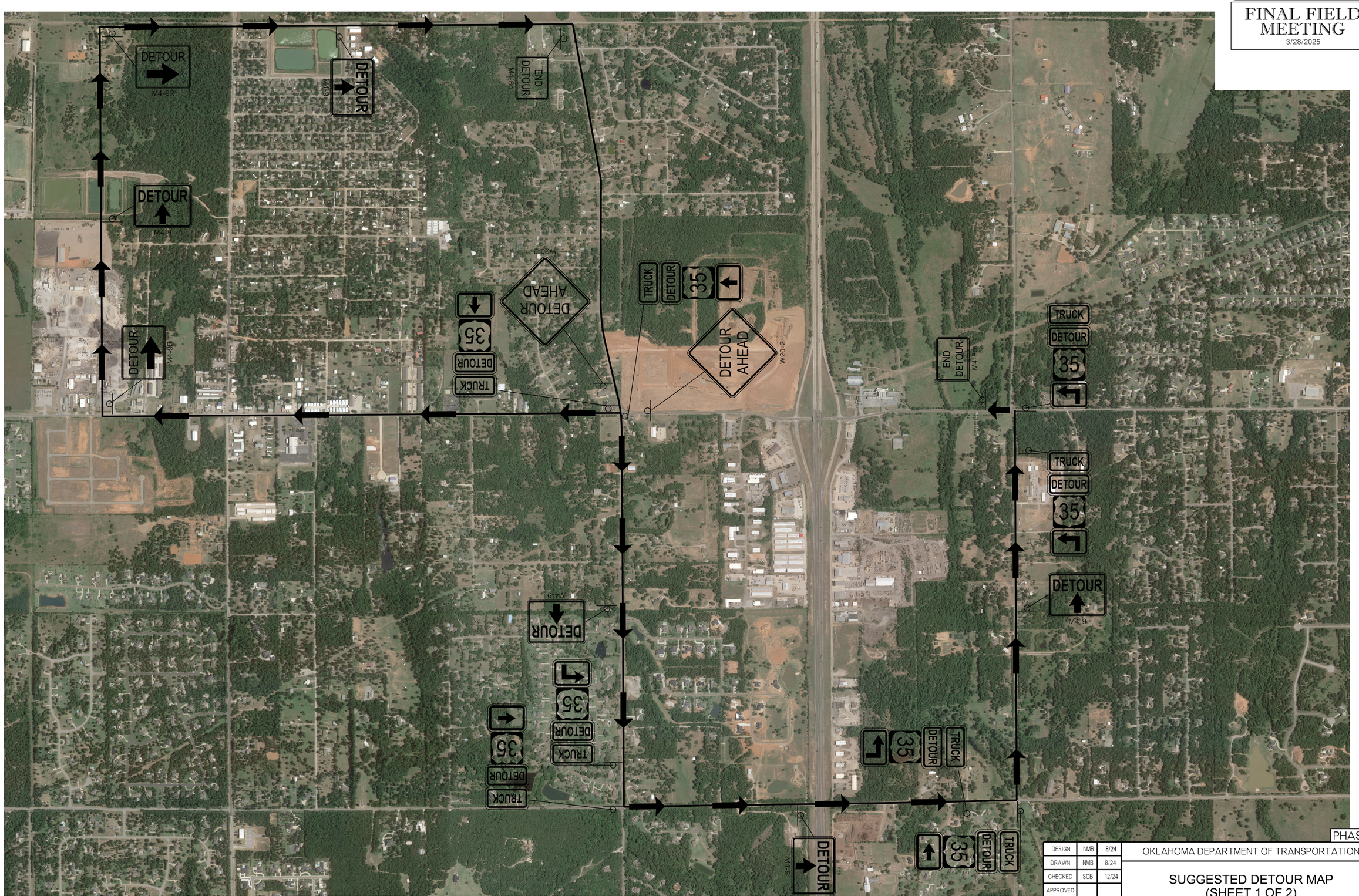
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T012

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025



PHASE 4

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED DETOUR MAP (SHEET 1 OF 2)

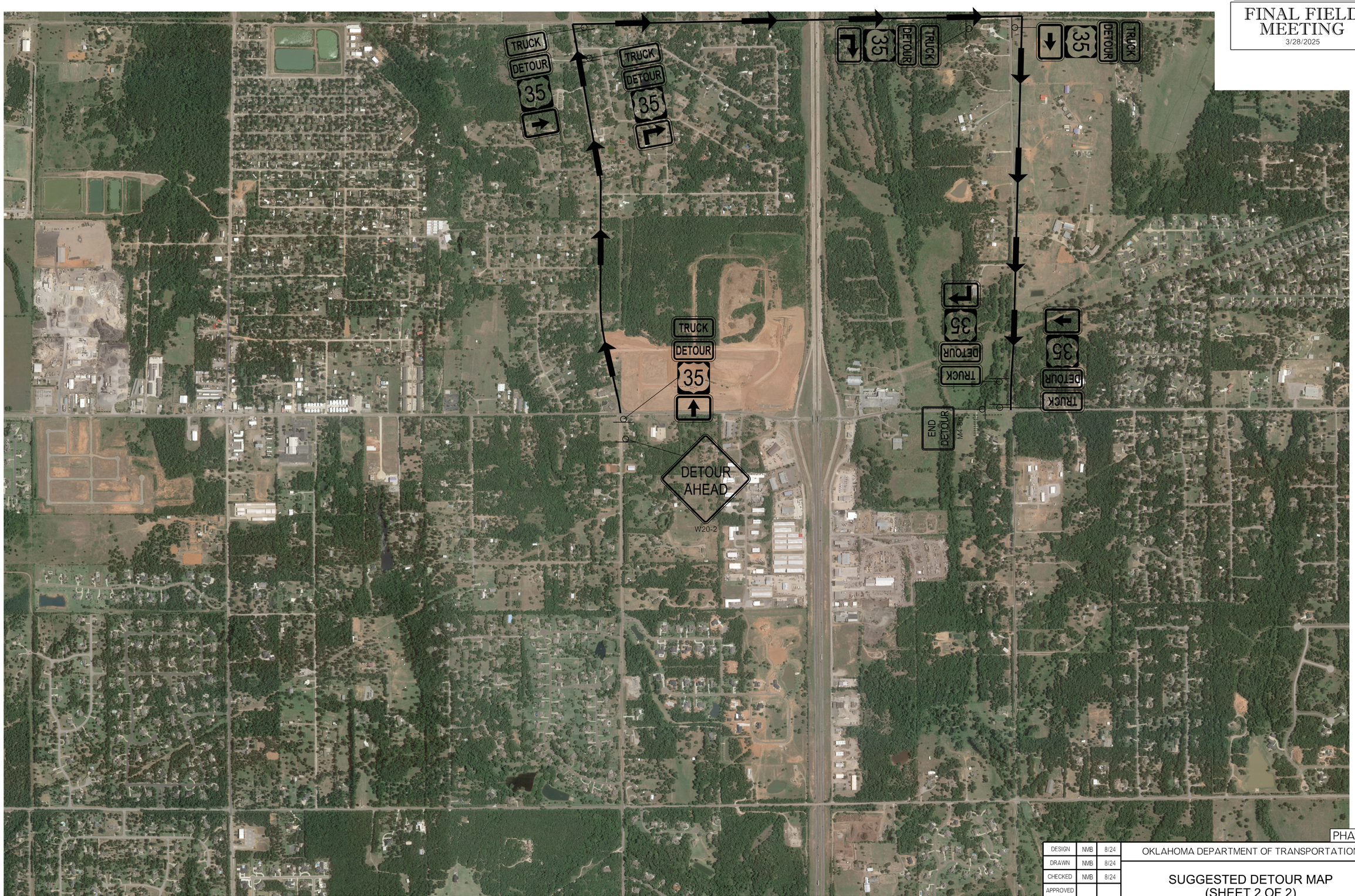
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T013

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025



PHASE 5

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	NMB	8/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED DETOUR MAP (SHEET 2 OF 2)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T014

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

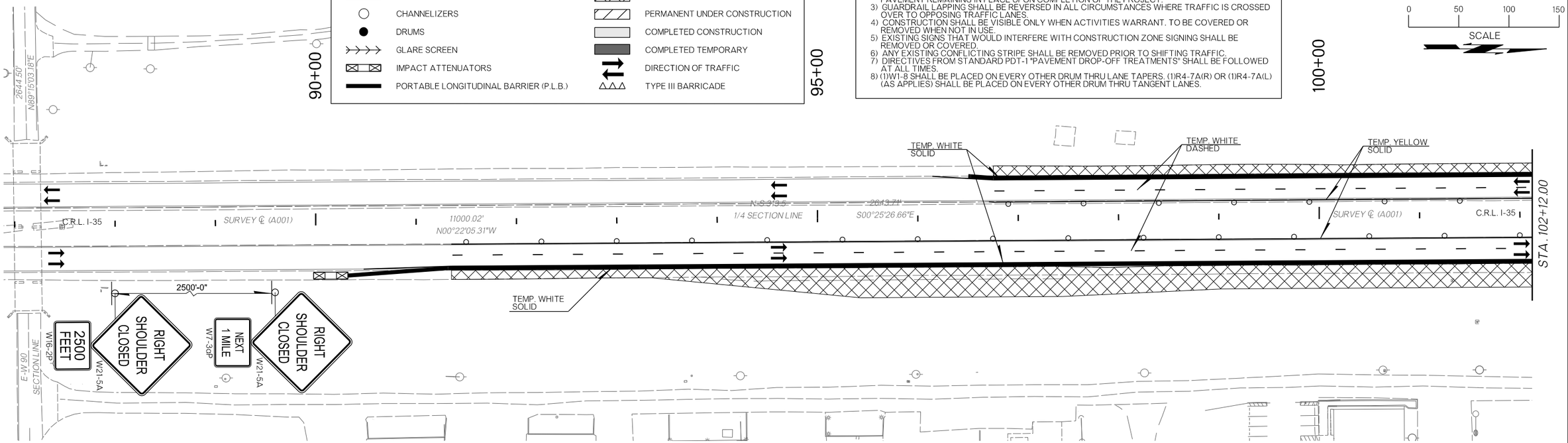
3/28/2025

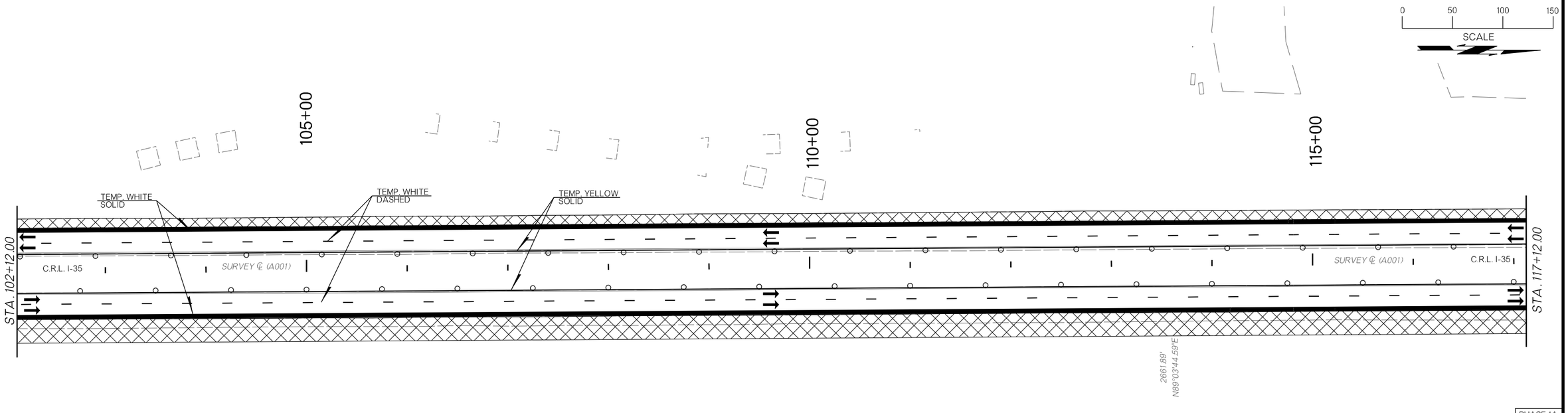
LEGEND

- SIGNS
- CHANNELIZERS
- DRUMS
- GLARE SCREEN
- IMPACT ATTENUATORS
- PORTABLE LONGITUDINAL BARRIER (P.L.B.)
- TEMPORARY UNDER CONSTRUCTION
- PERMANENT UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- COMPLETED TEMPORARY
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE

NOTES:
1) INSTALLATION OF ALL TEMPORARY TRAFFIC CONTROL DEVICES, INCLUDING SPACING AND TAPER RATES, SHALL MEET THE REQUIREMENTS AS SHOWN IN TRAFFIC CONTROL STANDARDS TCS2-1.
2) NO PAINT USED FOR TEMPORARY MAINTENANCE OF TRAFFIC SHALL BE PLACED ON ANY FINAL PAVEMENT REMAINING IN PLACE UPON COMPLETION OF THE PROJECT.
3) GUARDRAIL LAPPING SHALL BE REVERSED IN ALL CIRCUMSTANCES WHERE TRAFFIC IS CROSSED OVER TO OPPOSING TRAFFIC LANES.
4) CONSTRUCTION SHALL BE VISIBLE ONLY WHEN ACTIVITIES WARRANT. TO BE COVERED OR REMOVED WHEN NOT IN USE.
5) EXISTING SIGNS THAT WOULD INTERFERE WITH CONSTRUCTION ZONE SIGNING SHALL BE REMOVED OR COVERED.
6) ANY EXISTING CONFLICTING STRIPE SHALL BE REMOVED PRIOR TO SHIFTING TRAFFIC.
7) DIRECTIVES FROM STANDARD PDT-1 "PAVEMENT DROP-OFF TREATMENTS" SHALL BE FOLLOWED AT ALL TIMES.
8) (1)W1-8 SHALL BE PLACED ON EVERY OTHER DRUM THRU LANE TAPERS. (1)R4-7A(R) OR (1)R4-7A(L) (AS APPLIES) SHALL BE PLACED ON EVERY OTHER DRUM THRU TANGENT LANES.

0 50 100 150
SCALE





PHASE 1A

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED TRAFFIC CONTROL
(SHEET 1 OF 56)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T015

3/28/2025 9:27:31 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_TC_PH1A_001.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

SEC 04
T14N R02W

LEGEND

SIGNS	TEMPORARY UNDER CONSTRUCTION
CHANNELIZERS	PERMANENT UNDER CONSTRUCTION
DRUMS	COMPLETED CONSTRUCTION
GLARE SCREEN	COMPLETED TEMPORARY
IMPACT ATTENUATORS	DIRECTION OF TRAFFIC
PORTABLE LONGITUDINAL BARRIER (P.L.B.)	TYPE III BARRICADE

0 50 100 150
SCALE

1318.57'
N88°54'41.45"E

120+00
125+00
130+00

STA. 131+44.00

YIELD
R1-2E

W4-1R

W3-2

℄ RAMP A

SURVEY ℄ (A003)

TEMP. YELLOW SOLID

TEMP. WHITE DASHED

TEMP. WHITE DOTTED

TEMP. WHITE SOLID

STA. 117+12.00

C.R.L. I-35

SURVEY ℄ (A001)

11000.00'
N00°22'05.31"W

STA. 132+12.00

EXIT 500'
EXIT
500'

E5-2
EXIT
OPEN

TEMP. WHITE DOTTED

EXIT

SURVEY ℄ (A004)

℄ RAMP B

STA. 131+92.00

PHASE 1A

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED TRAFFIC CONTROL
(SHEET 2 OF 56)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T016

SEC 04
T14N R02W

3/28/2025 9:27:33 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_TC_PH1A_002.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

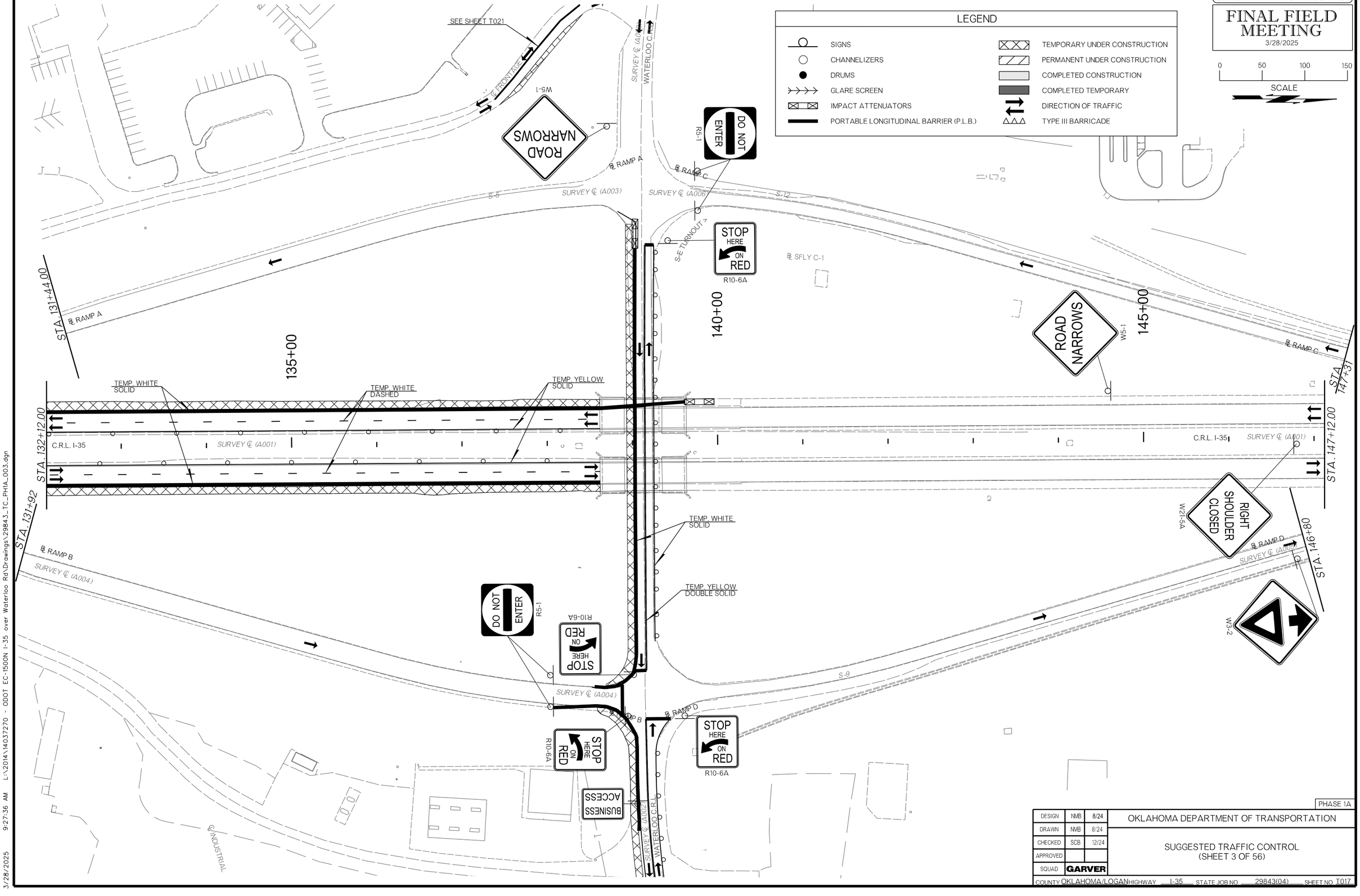
3/28/2025

0 50 100 150

SCALE

LEGEND

- SIGNS
- CHANNELIZERS
- DRUMS
- GLARE SCREEN
- IMPACT ATTENUATORS
- PORTABLE LONGITUDINAL BARRIER (P.L.B.)
- TEMPORARY UNDER CONSTRUCTION
- PERMANENT UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- COMPLETED TEMPORARY
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE



PHASE 1A

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED TRAFFIC CONTROL
(SHEET 3 OF 56)

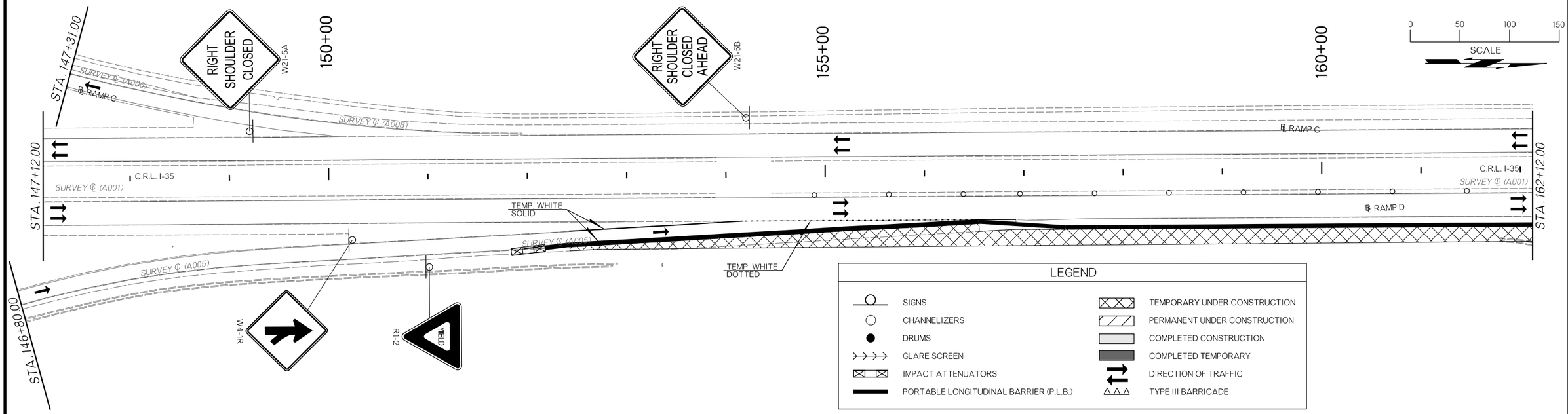
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T017

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

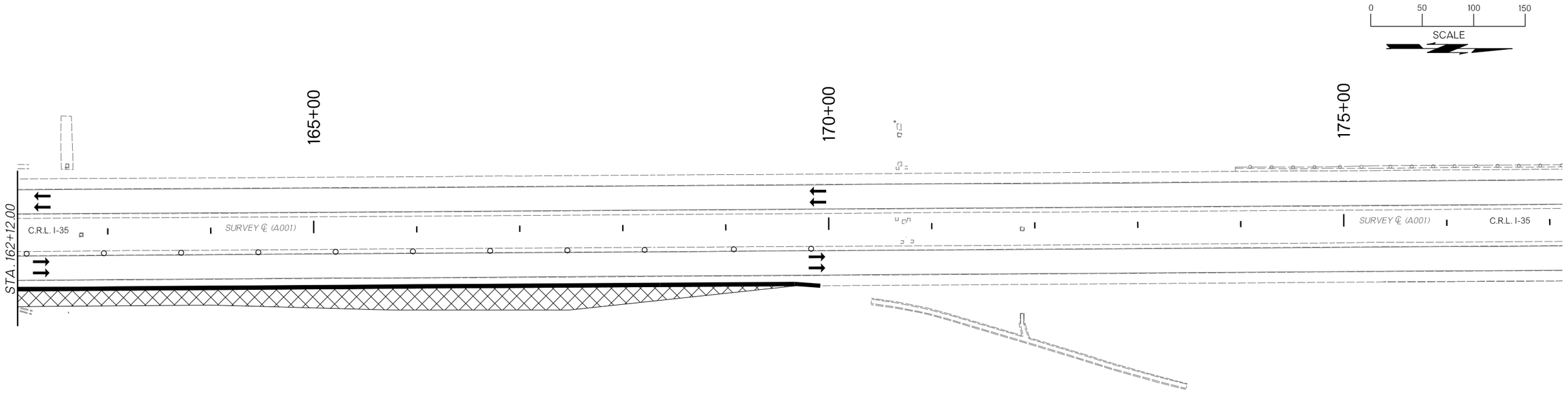
FINAL FIELD MEETING

3/28/2025



LEGEND

SIGNS	TEMPORARY UNDER CONSTRUCTION
CHANNELIZERS	PERMANENT UNDER CONSTRUCTION
DRUMS	COMPLETED CONSTRUCTION
GLARE SCREEN	COMPLETED TEMPORARY
IMPACT ATTENUATORS	DIRECTION OF TRAFFIC
PORTABLE LONGITUDINAL BARRIER (P.L.B.)	TYPE III BARRICADE



PHASE 1A

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED TRAFFIC CONTROL
(SHEET 4 OF 56)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T018

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

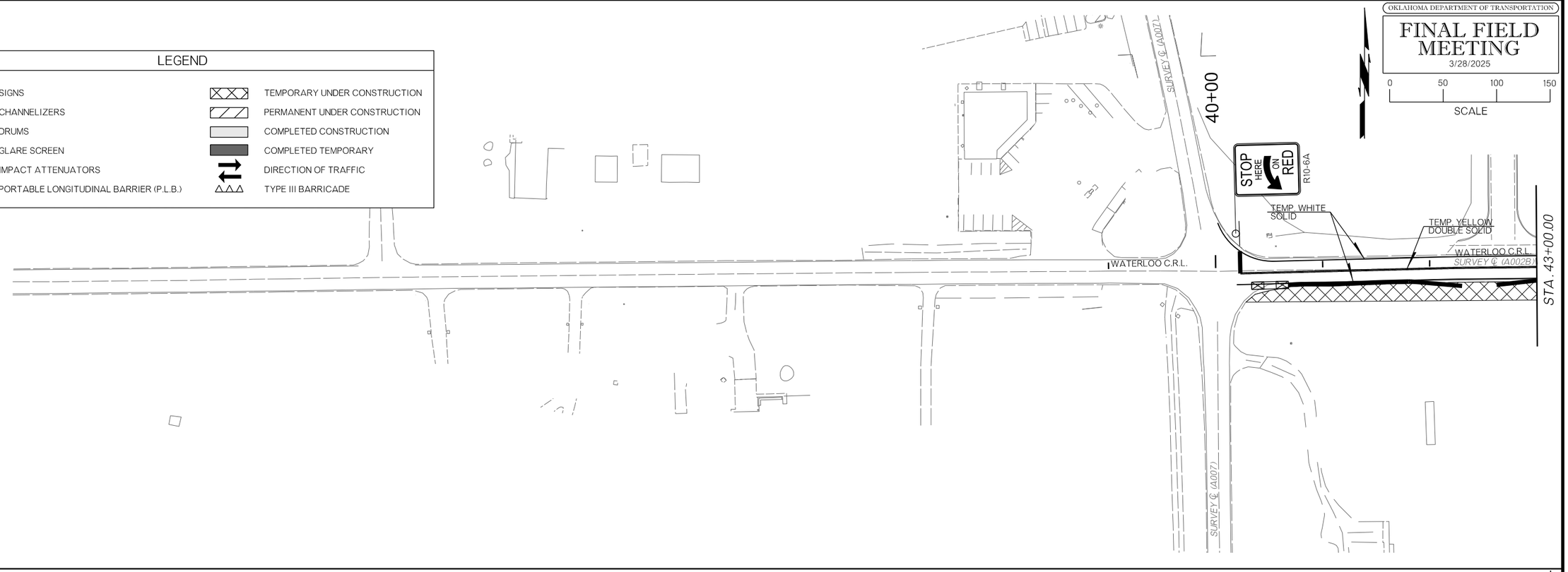
3/28/2025

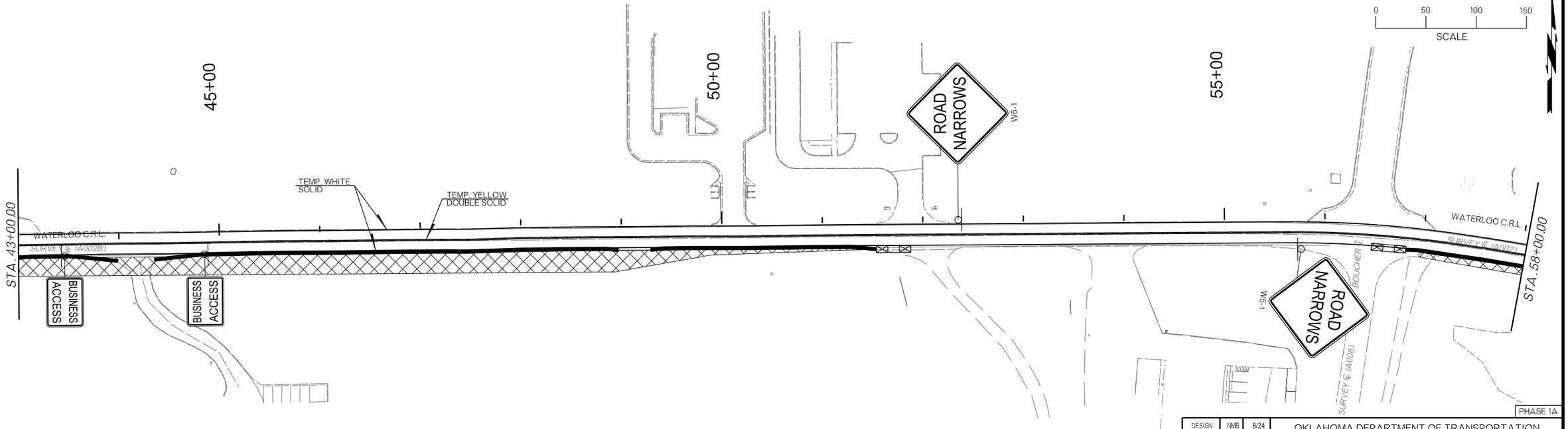
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SCALE

LEGEND

SIGNS	TEMPORARY UNDER CONSTRUCTION
CHANNELIZERS	PERMANENT UNDER CONSTRUCTION
DRUMS	COMPLETED CONSTRUCTION
GLARE SCREEN	COMPLETED TEMPORARY
IMPACT ATTENUATORS	DIRECTION OF TRAFFIC
PORTABLE LONGITUDINAL BARRIER (P.L.B.)	TYPE III BARRICADE





PHASE 1A

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED TRAFFIC CONTROL
(SHEET 5 OF 56)

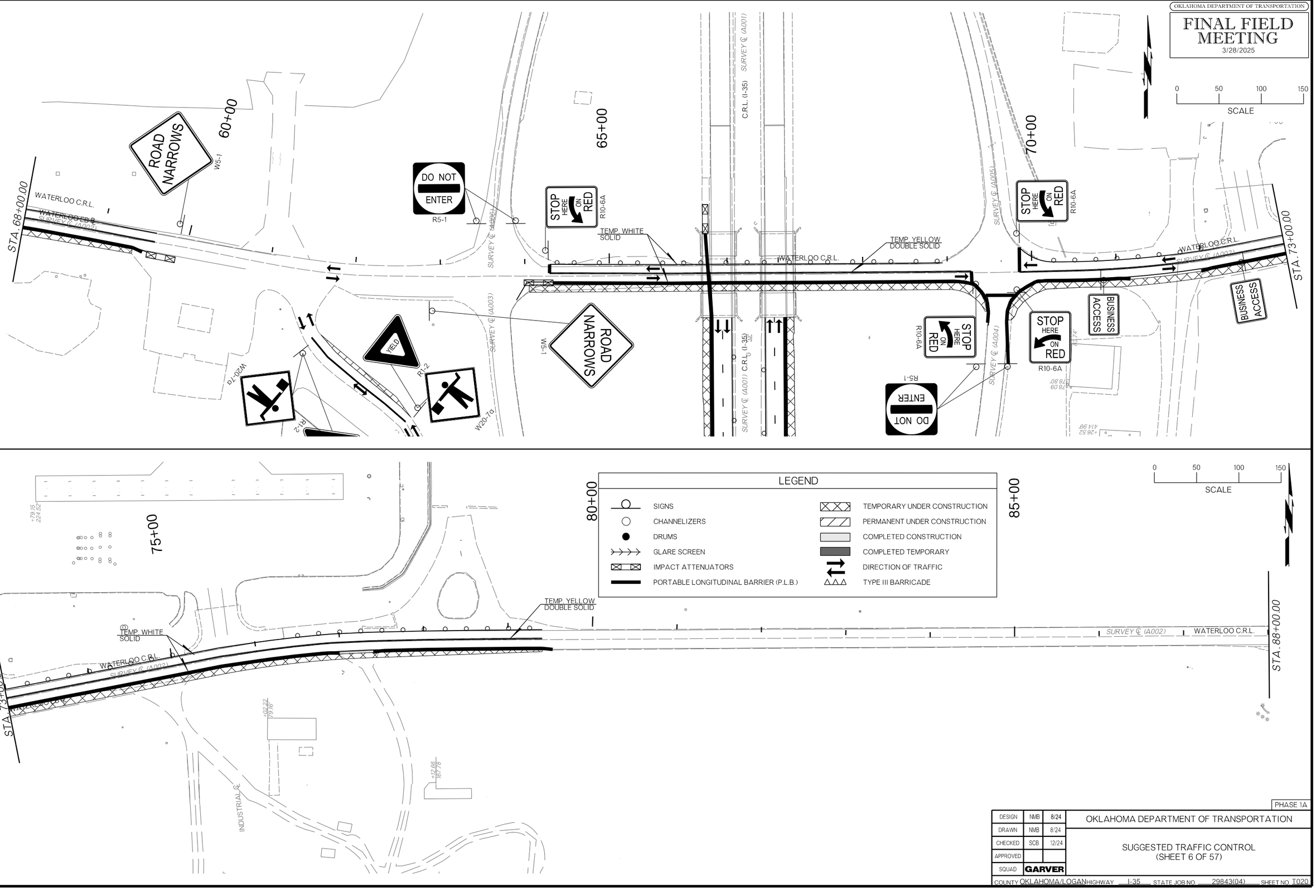
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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025



LEGEND

SIGNS	TEMPORARY UNDER CONSTRUCTION
CHANNELIZERS	PERMANENT UNDER CONSTRUCTION
DRUMS	COMPLETED CONSTRUCTION
GLARE SCREEN	COMPLETED TEMPORARY
IMPACT ATTENUATORS	DIRECTION OF TRAFFIC
PORTABLE LONGITUDINAL BARRIER (P.L.B.)	TYPE III BARRICADE

PHASE 1A

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED TRAFFIC CONTROL
(SHEET 6 OF 57)

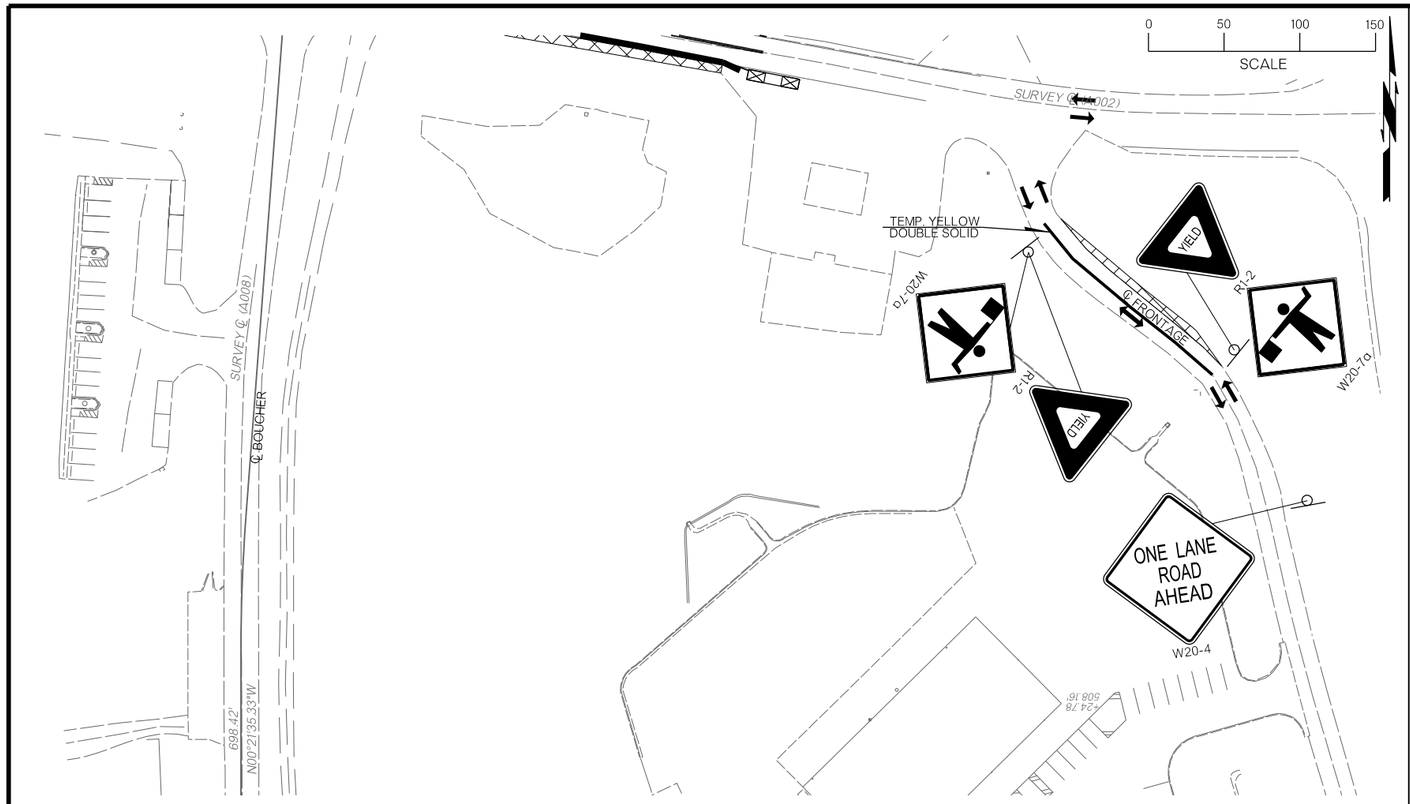
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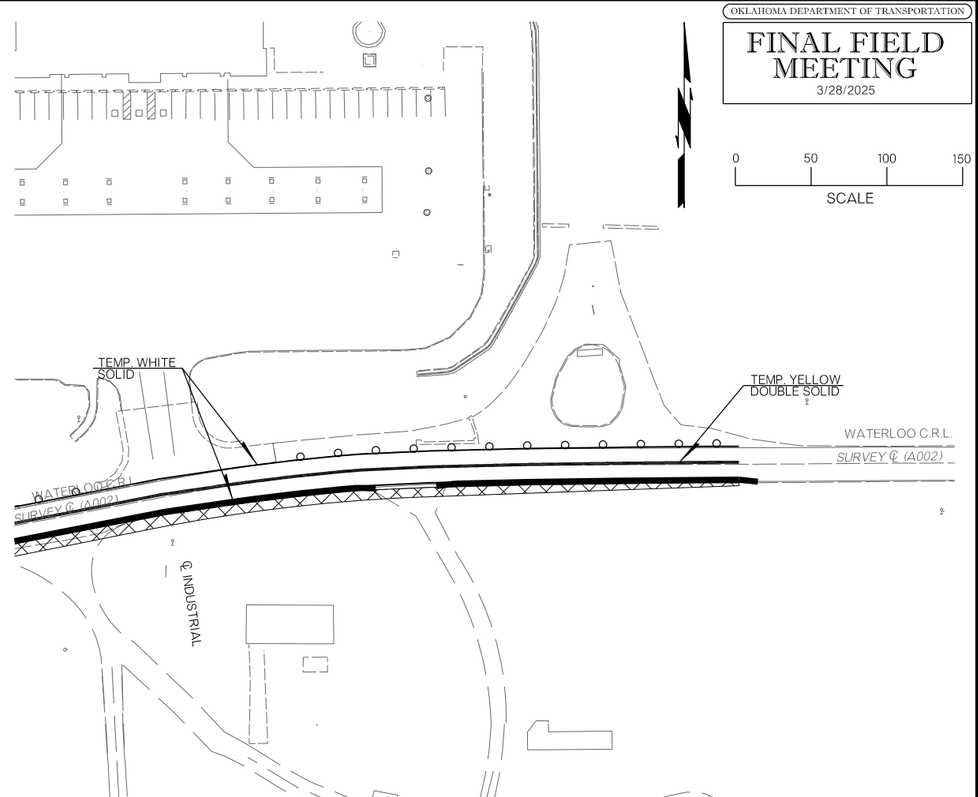
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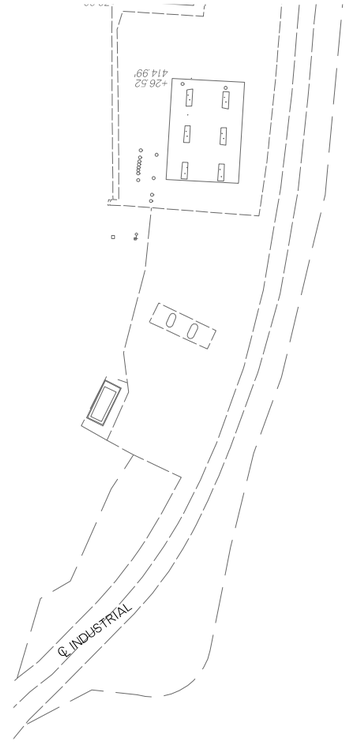
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025







LEGEND

- SIGNS
- CHANNELIZERS
- DRUMS
- GLARE SCREEN
- IMPACT ATTENUATORS
- PORTABLE LONGITUDINAL BARRIER (P.L.B.)
- TEMPORARY UNDER CONSTRUCTION
- PERMANENT UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- COMPLETED TEMPORARY
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE

PHASE 1A

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED TRAFFIC CONTROL
(SHEET 7 OF 56)

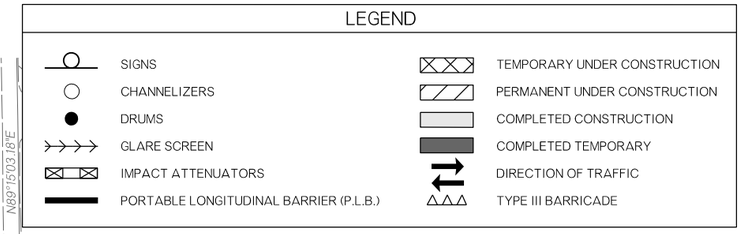
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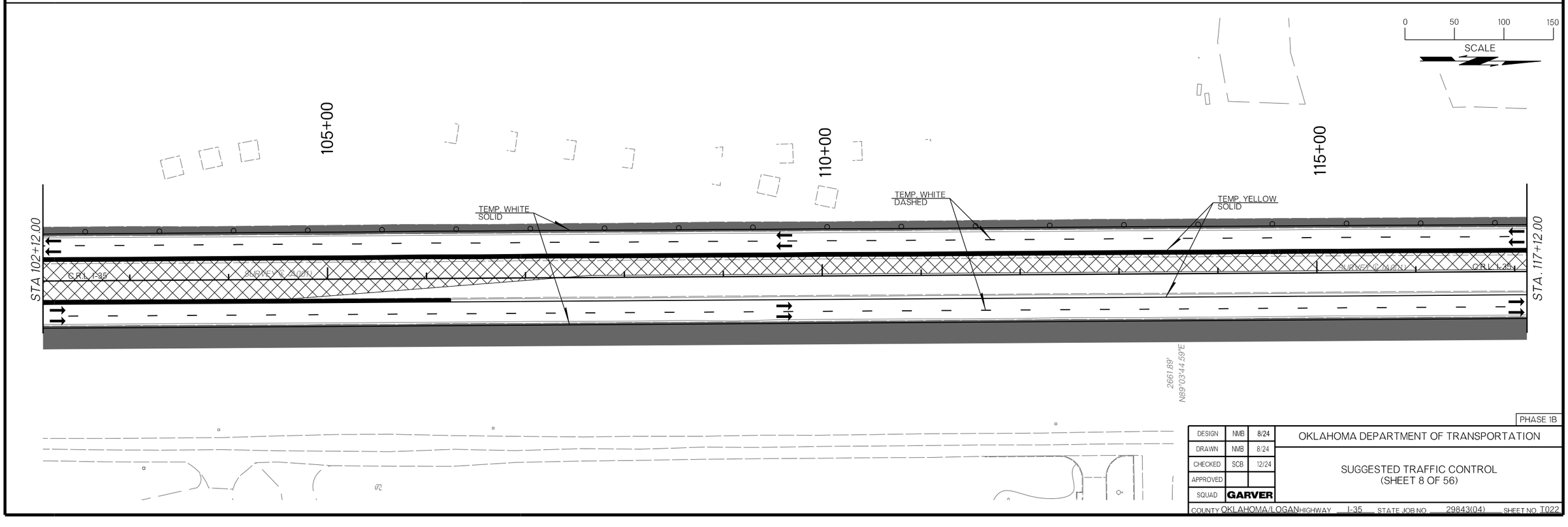
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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025





PHASE 1B

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED TRAFFIC CONTROL
(SHEET 8 OF 56)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T022

3/28/2025 9:27:51 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_TC_PHIB_001.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

SEC 04
T14N R02W

LEGEND

- SIGNS
- CHANNELIZERS
- DRUMS
- GLARE SCREEN
- IMPACT ATTENUATORS
- PORTABLE LONGITUDINAL BARRIER (P.L.B.)
- TEMPORARY UNDER CONSTRUCTION
- PERMANENT UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- COMPLETED TEMPORARY
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE

0 50 100 150

SCALE

1318.57'
N88°54'41.45"E

STA. 117+12.00

STA. 132+12.00

STA. 131+44.00

STA. 131+92.00

120+00

125+00

130+00

TEMP. WHITE SOLID

TEMP. WHITE DASHED

TEMP. YELLOW SOLID

TEMP. WHITE DOTTED

TEMP. WHITE SOLID

TEMP. YELLOW SOLID

SURVEY ℄ (A0031)

℄ RL I-35

SURVEY ℄ (A004)

SURVEY ℄ (A004)

SURVEY ℄ (A004)

SURVEY ℄ (A004)

YIELD R1-2E

W3-2

NO MERGE AREA W14-5aP

W4-5

S-7

TEMP. WHITE DOTTED

TEMP. YELLOW SOLID

℄ RAMP A

℄ RAMP B

EXIT 500'

EXIT 500'

EXIT

EXIT

SEC 04
T14N R02W

PHASE 1B

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED TRAFFIC CONTROL
(SHEET 9 OF 56)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T023

3/28/2025 9:27:53 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_TC_PHIB_002.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 50 100 150

SCALE

LEGEND

- SIGNS
- CHANNELIZERS
- DRUMS
- GLARE SCREEN
- IMPACT ATTENUATORS
- PORTABLE LONGITUDINAL BARRIER (P.L.B.)
- TEMPORARY UNDER CONSTRUCTION
- PERMANENT UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- COMPLETED TEMPORARY
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE

STA. 131+44.00

STA. 131+92

STA. 132+12.00

STA. 135+00

STA. 140+00

STA. 145+00

STA. 146+80.00

STA. 147+12.00

STA. 147+31

℄ RAMP A

℄ RAMP B

℄ RAMP C

℄ RAMP D

SURVEY ℄ (A003)

SURVEY ℄ (A004)

SURVEY ℄ (A006)

SURVEY ℄ (A005)

SURVEY ℄ (A002)

WATERLOO C.R.L.

℄ FRONTAGE

S-5

S-12

S-9

S-E TURNOUT 7

℄ SFLY C-1

℄ INDUSTRIAL

℄ CRL I-35

SURVEY ℄ (A001)

TEMP. WHITE SOLID

TEMP. WHITE DASHED

TEMP. YELLOW SOLID

DO NOT ENTER R5-1

ROAD WORK AHEAD W20-1

PHASE 1B

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED TRAFFIC CONTROL
(SHEET 10 OF 56)

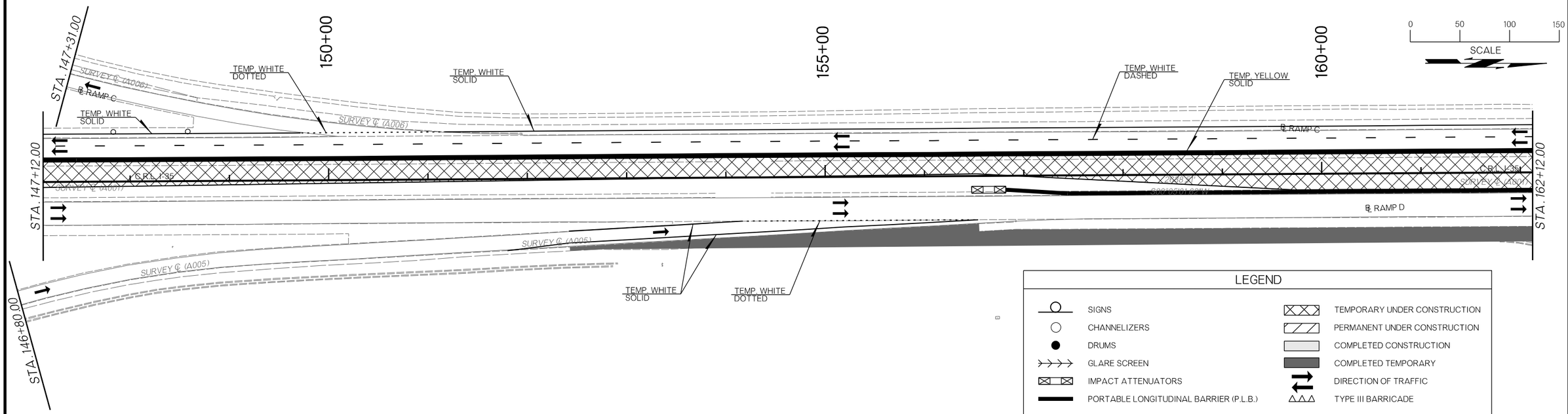
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T024

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

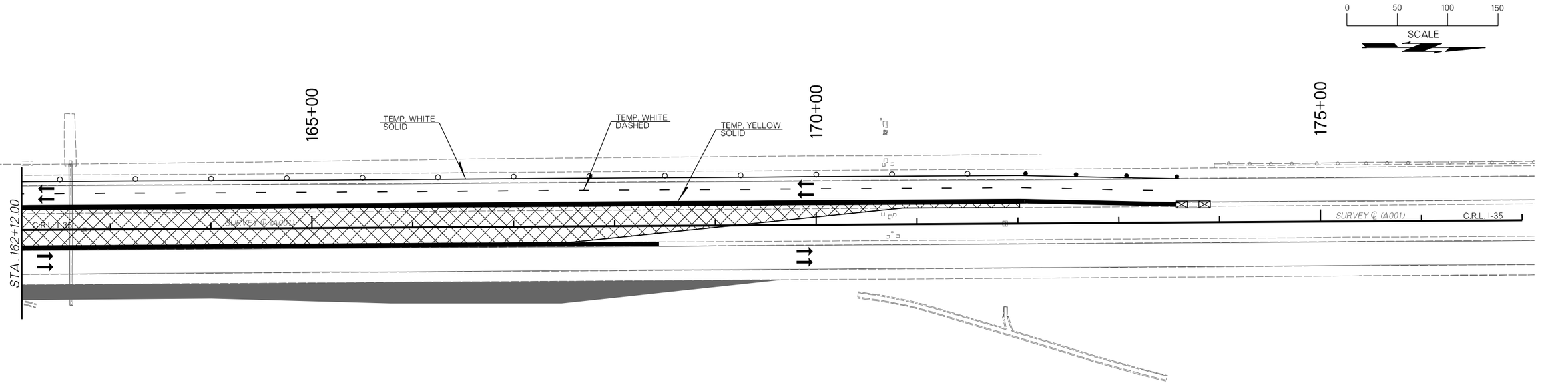
FINAL FIELD MEETING

3/28/2025



LEGEND

SIGNS	TEMPORARY UNDER CONSTRUCTION
CHANNELIZERS	PERMANENT UNDER CONSTRUCTION
DRUMS	COMPLETED CONSTRUCTION
GLARE SCREEN	COMPLETED TEMPORARY
IMPACT ATTENUATORS	DIRECTION OF TRAFFIC
PORTABLE LONGITUDINAL BARRIER (P.L.B.)	TYPE III BARRICADE



PHASE 1B

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED TRAFFIC CONTROL
(SHEET 11 OF 56)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T025

3/28/2025 9:27:59 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_TC_PHIB_004.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

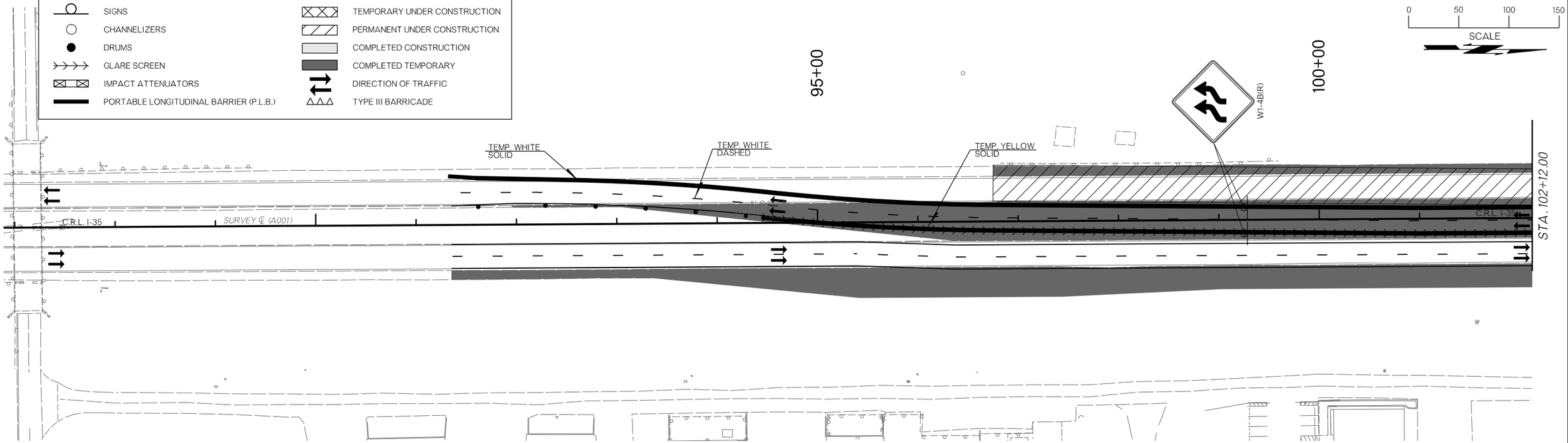
3/28/2025

LEGEND

SIGNS	TEMPORARY UNDER CONSTRUCTION
CHANNELIZERS	PERMANENT UNDER CONSTRUCTION
DRUMS	COMPLETED CONSTRUCTION
GLARE SCREEN	COMPLETED TEMPORARY
IMPACT ATTENUATORS	DIRECTION OF TRAFFIC
PORTABLE LONGITUDINAL BARRIER (P.L.B.)	TYPE III BARRICADE

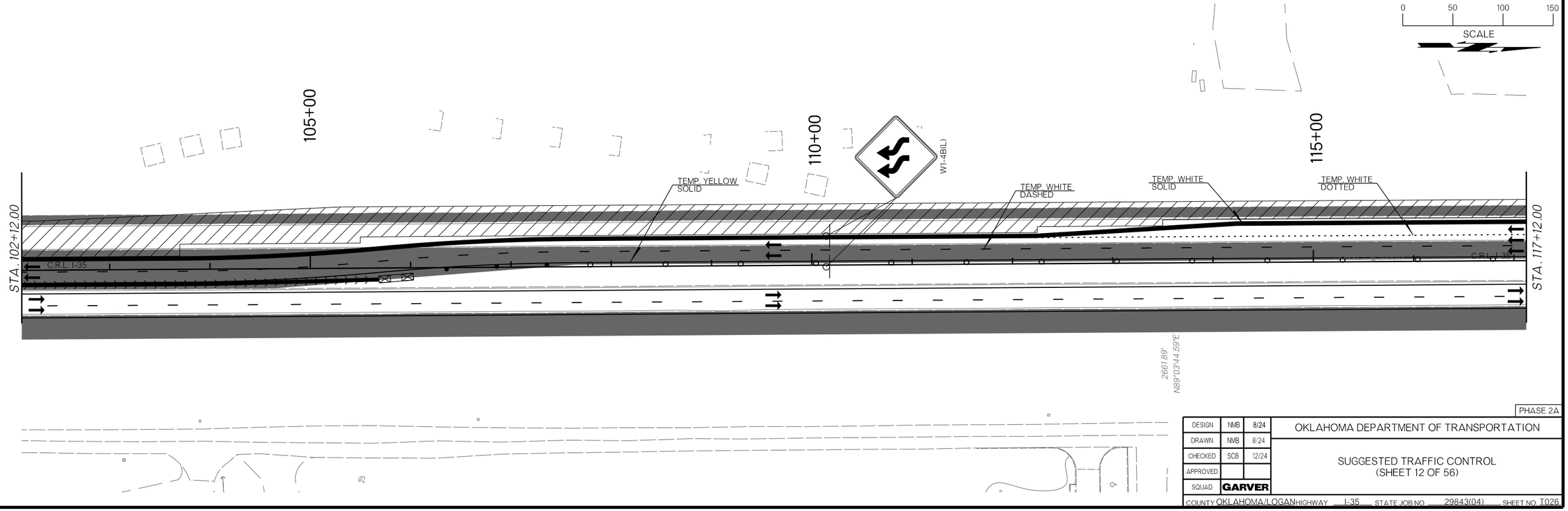
0 50 100 150

SCALE



0 50 100 150

SCALE



PHASE 2A

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED TRAFFIC CONTROL
(SHEET 12 OF 56)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T026

3/28/2025 9:28:02 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_TC_PH2A_001.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

SEC 04
T14N R02W

LEGEND

SIGNS	TEMPORARY UNDER CONSTRUCTION
CHANNELIZERS	PERMANENT UNDER CONSTRUCTION
DRUMS	COMPLETED CONSTRUCTION
GLARE SCREEN	COMPLETED TEMPORARY
IMPACT ATTENUATORS	DIRECTION OF TRAFFIC
PORTABLE LONGITUDINAL BARRIER (P.L.B.)	TYPE III BARRICADE

0 50 100 150

SCALE

1318.57'
N88°54'41.45"E

120+00

125+00

130+00

W4-1R

STA. 131+44.00

TEMP. WHITE DOTTED

TEMP. WHITE DASHED

TEMP. WHITE SOLID

TEMP. YELLOW SOLID

℄ RAMP A

℄ IRVEW (A003)

STA. 117+12.00

℄ RAMP B

C.R.T. I-35

STA. 132+12.00

℄ RAMP B

STA. 131+92.00

SEC 04
T14N R02W

PHASE 2A

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED TRAFFIC CONTROL
(SHEET 13 OF 56)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T027

3/28/2025 9:28:04 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_TC_PH2A_002.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 50 100 150

SCALE

LEGEND

- SIGNS
- CHANNELIZERS
- DRUMS
- GLARE SCREEN
- IMPACT ATTENUATORS
- PORTABLE LONGITUDINAL BARRIER (P.L.B.)
- TEMPORARY UNDER CONSTRUCTION
- PERMANENT UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- COMPLETED TEMPORARY
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE

PI (A002)
STA. 2+92.93
℄ FRONTAGE RD.
W21-5A
RIGHT SHOULDER CLOSED
WATERLOO C.R.L.
DO NOT ENTER R5-1
℄ RAMP A
℄ RAMP C
10+00 (A006)
S-12
ROAD WORK AHEAD W20-1
TEMP. WHITE SOLID
TEMP. YELLOW SOLID
STA. 131+44.00
135+00 (A001)
140+00 (A001)
25+00 (A002)
145+00 (A001)
W1-4B(R)
TEMP. WHITE DASHED
STA. 147+37
STA. 132+12.00
C.R.L. I-35
STA. 147+12.00
STA. 131+92
℄ RAMP B
SURVEY ℄ (A004)
℄ RAMP D
S-9
10+00 (A004)
℄ INDUSTRIAL
PC (A002)
STA. 30+33.35
30+00 (A002)
5+00 (A005)
PI (A002)

PHASE 2A

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED TRAFFIC CONTROL
(SHEET 14 OF 56)

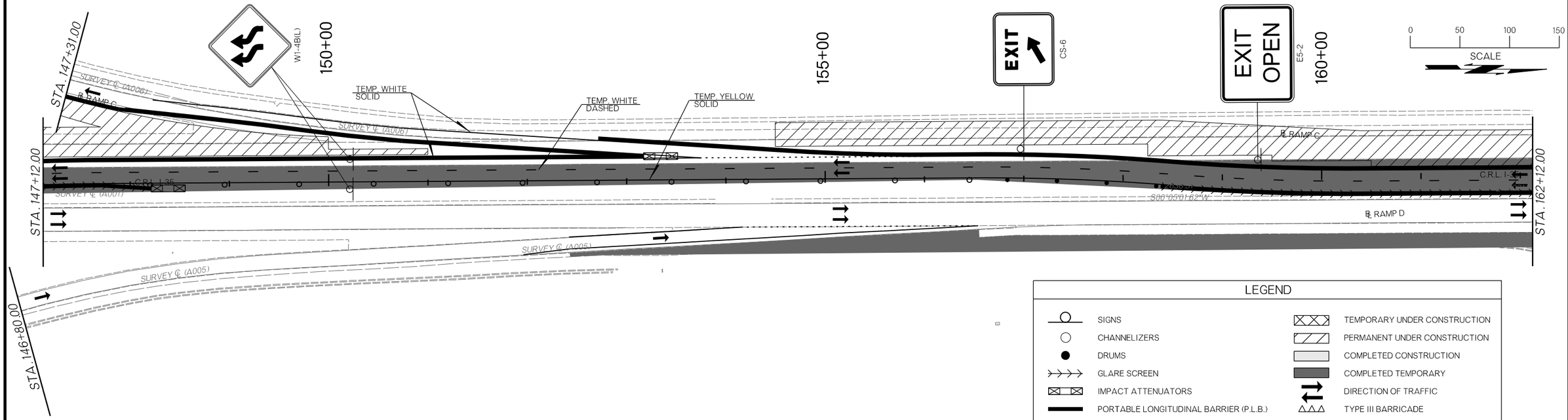
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T028

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

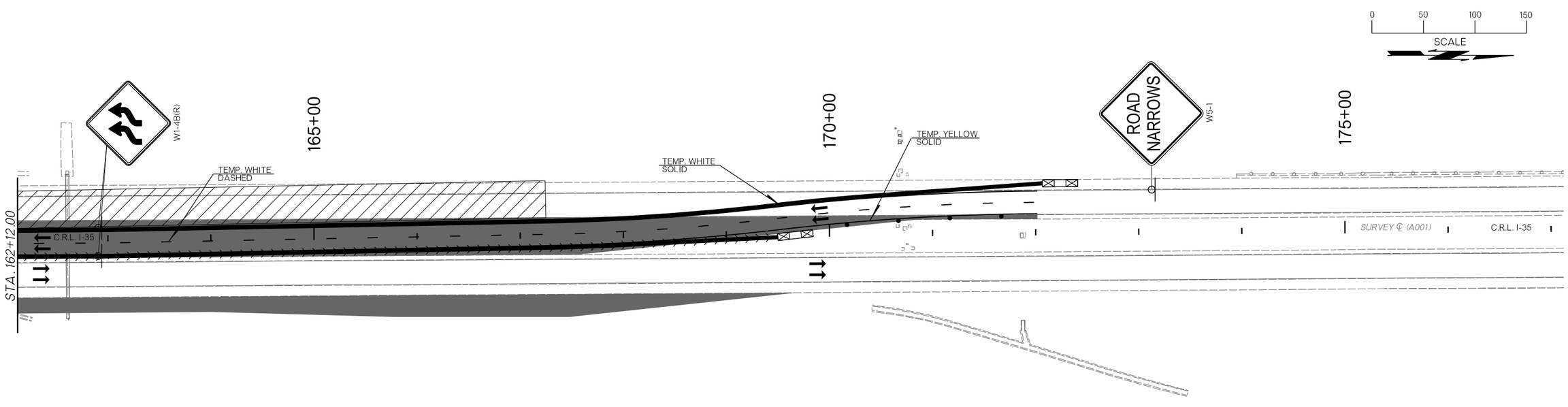
FINAL FIELD MEETING

3/28/2025



LEGEND

○	SIGNS	⊠⊠⊠	TEMPORARY UNDER CONSTRUCTION
○	CHANNELIZERS	▨	PERMANENT UNDER CONSTRUCTION
●	DRUMS	▭	COMPLETED CONSTRUCTION
→→→	GLARE SCREEN	▬	COMPLETED TEMPORARY
⊠⊠	IMPACT ATTENUATORS	⇄	DIRECTION OF TRAFFIC
▬	PORTABLE LONGITUDINAL BARRIER (P.L.B.)	△△△	TYPE III BARRICADE



PHASE 2A

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED TRAFFIC CONTROL
(SHEET 15 OF 56)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T029

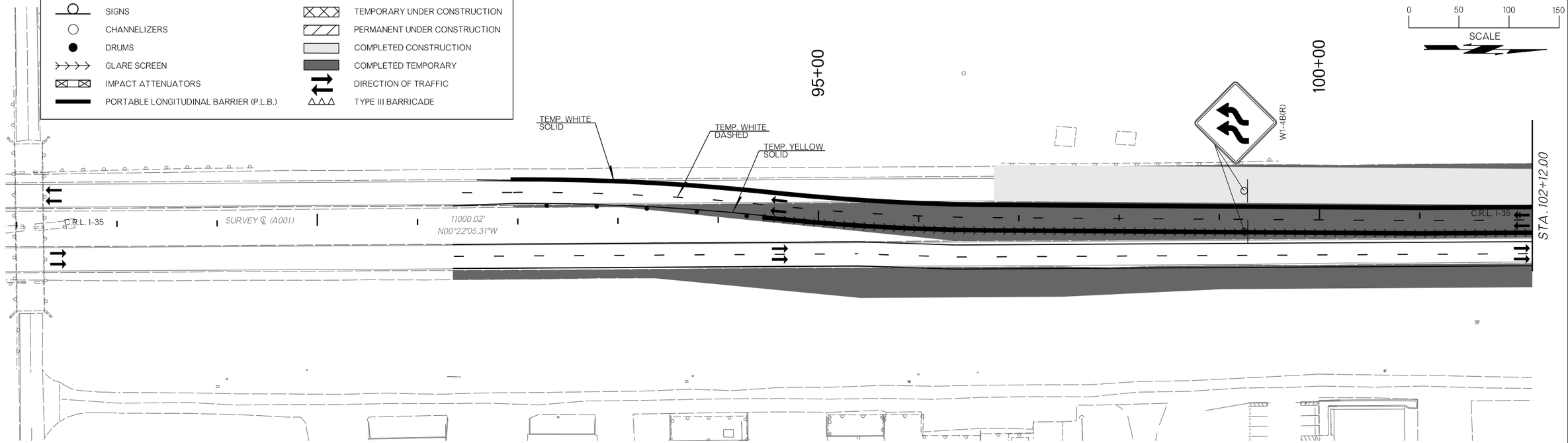
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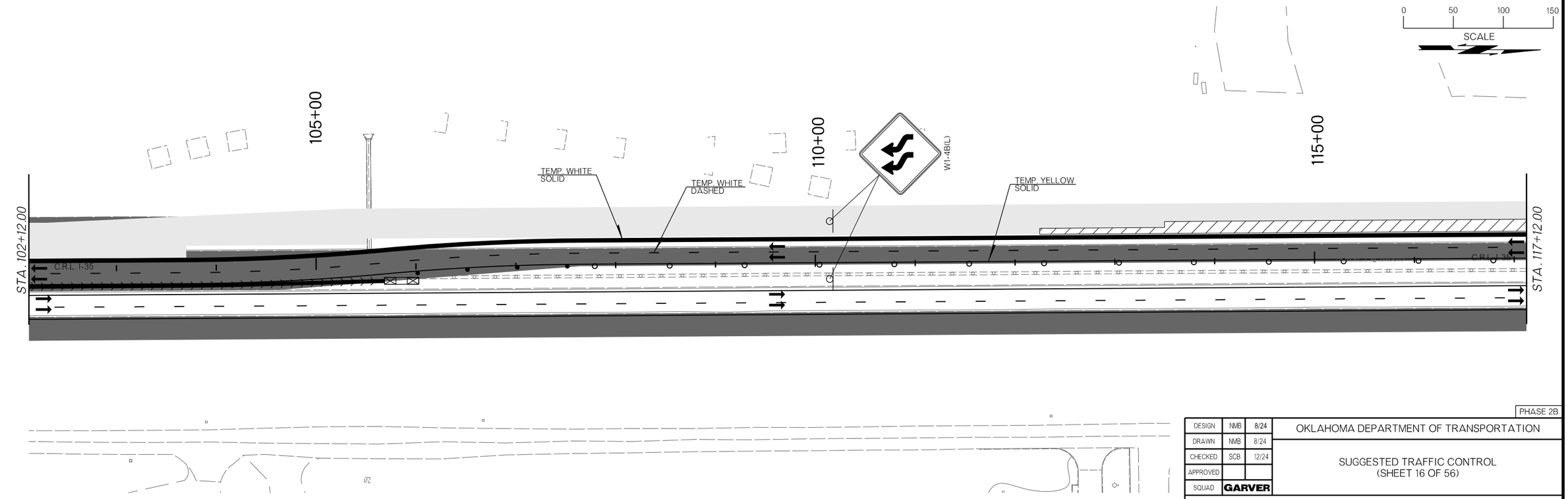
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

LEGEND	
SIGNS	TEMPORARY UNDER CONSTRUCTION
CHANNELIZERS	PERMANENT UNDER CONSTRUCTION
DRUMS	COMPLETED CONSTRUCTION
GLARE SCREEN	COMPLETED TEMPORARY
IMPACT ATTENUATORS	DIRECTION OF TRAFFIC
PORTABLE LONGITUDINAL BARRIER (P.L.B.)	TYPE III BARRICADE





PHASE 2B

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED TRAFFIC CONTROL
(SHEET 16 OF 56)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T030

3/28/2025 9:28:13 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_TC_PH2B_001.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

SCALE 0 50 100 150

LEGEND

- SIGNS
- CHANNELIZERS
- DRUMS
- GLARE SCREEN
- IMPACT ATTENUATORS
- PORTABLE LONGITUDINAL BARRIER (P.L.B.)
- TEMPORARY UNDER CONSTRUCTION
- PERMANENT UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- COMPLETED TEMPORARY
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE

SEC 04
T14N R02W

1318.57'
N88°54'41.45"E

120+00

125+00

130+00

STA. 117+12.00

STA. 131+44.00

STA. 132+12.00

STA. 131+92.00

TEMP. WHITE SOLID

TEMP. WHITE DASHED

TEMP. WHITE DOTTED

TEMP. YELLOW SOLID

TEMP. WHITE SOLID

TEMP. YELLOW SOLID

TEMP. WHITE SOLID

W4-IR

SURVEY ℄ (A004)

SURVEY ℄ (A004)

C.R.I.P. I-35

C.R.I.P. I-35

℄ RAMP A

℄ RAMP B

EXIT 500'

EXIT 500'

EXIT

EXIT

SEC 04
T14N R02W

PHASE 2B

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED TRAFFIC CONTROL
(SHEET 17 OF 56)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T031

3/28/2025 9:28:16 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_TC_PH2B_002.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 50 100 150

SCALE

LEGEND

SIGNS	TEMPORARY UNDER CONSTRUCTION
CHANNELIZERS	PERMANENT UNDER CONSTRUCTION
DRUMS	COMPLETED CONSTRUCTION
GLARE SCREEN	COMPLETED TEMPORARY
IMPACT ATTENUATORS	DIRECTION OF TRAFFIC
PORTABLE LONGITUDINAL BARRIER (P.L.B.)	TYPE III BARRICADE

C/L FRONTAGE

WATERLOO C.R.L.

W1-4(L)

DO NOT ENTER R5-1

℄ RAMP A

℄ RAMP C

TEMP. WHITE SOLID

TEMP. YELLOW SOLID

S-12

STA. 131+44.00

℄ RAMP A

135+00

W1-4B(R)

140+00

145+00

W1-4(R)

℄ RAMP D

STA. 147+37

TEMP. WHITE SOLID

TEMP. WHITE DASHED

TEMP. YELLOW SOLID

STA. 132+12.00

C.R.L. I-35

C.R.L. I-35

STA. 147+12.00

STA. 131+92

℄ RAMP B

DO NOT ENTER R5-1

ROAD WORK AHEAD W20-1

S-9

STA. 146+80.00

℄ RAMP D

℄ RAMP B

℄ INDUSTRIAL

WATERLOO C.R.L.

PHASE 2B

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED TRAFFIC CONTROL
(SHEET 18 OF 56)

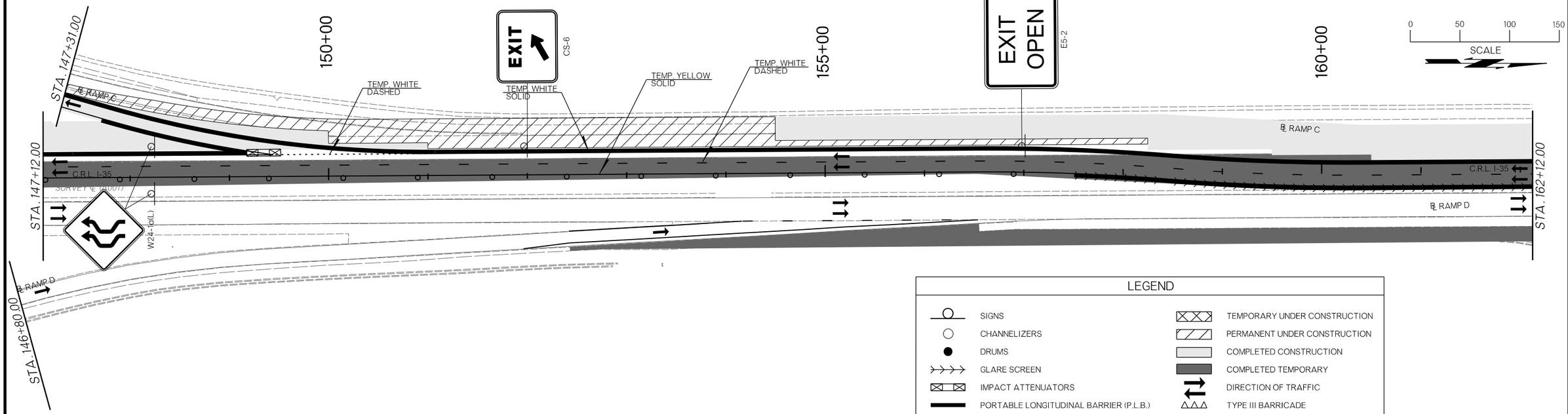
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T032

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

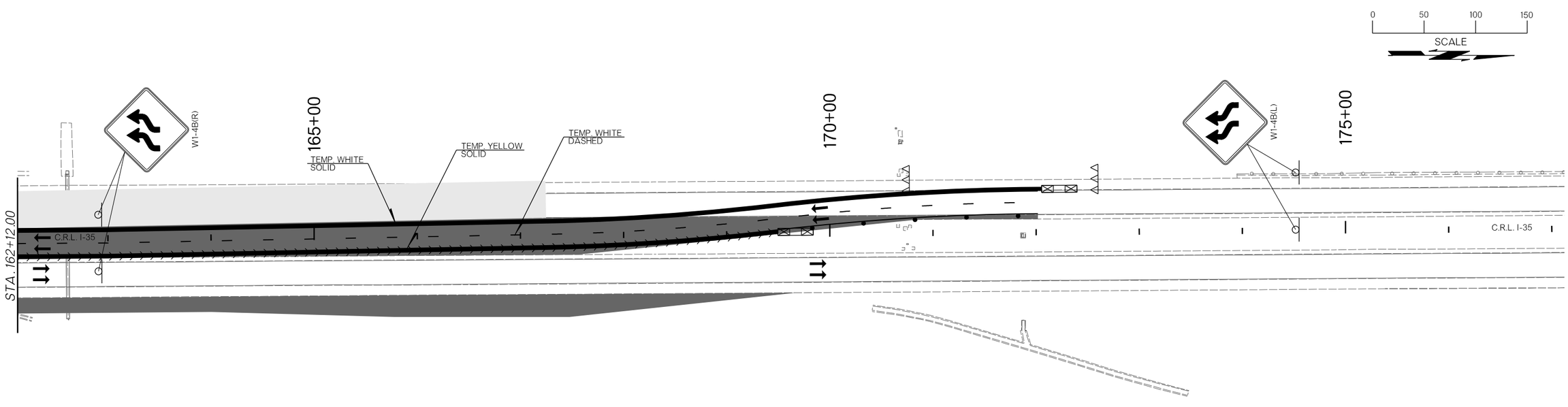
FINAL FIELD MEETING

3/28/2025



LEGEND

SIGNS	TEMPORARY UNDER CONSTRUCTION
CHANNELIZERS	PERMANENT UNDER CONSTRUCTION
DRUMS	COMPLETED CONSTRUCTION
GLARE SCREEN	COMPLETED TEMPORARY
IMPACT ATTENUATORS	DIRECTION OF TRAFFIC
PORTABLE LONGITUDINAL BARRIER (P.L.B.)	TYPE III BARRICADE



PHASE 2B

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED TRAFFIC CONTROL
(SHEET 19 OF 56)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T033

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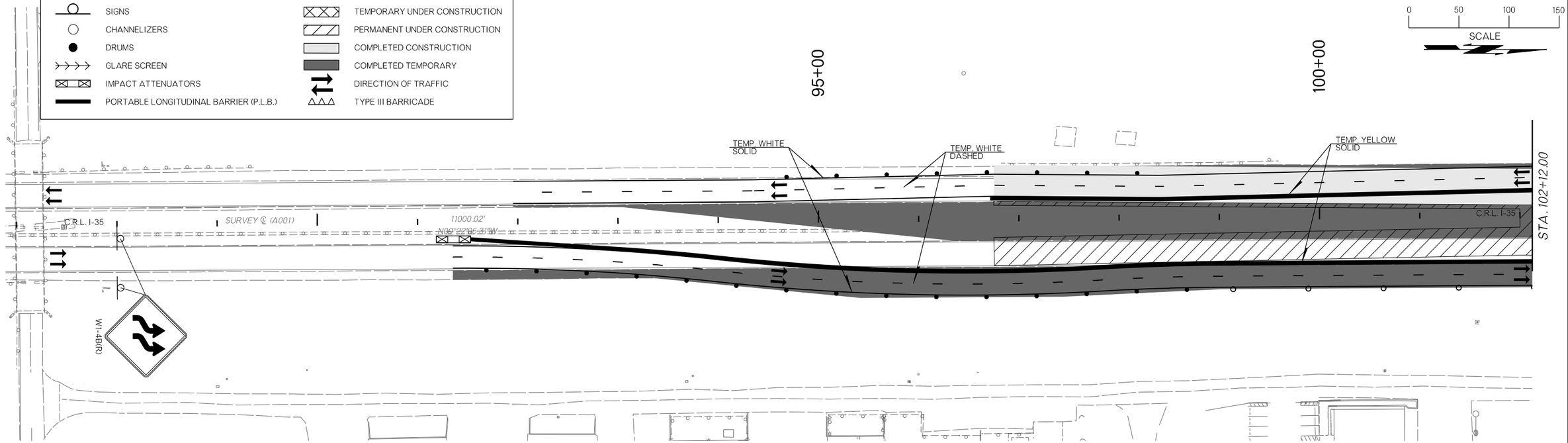
OKLAHOMA DEPARTMENT OF TRANSPORTATION

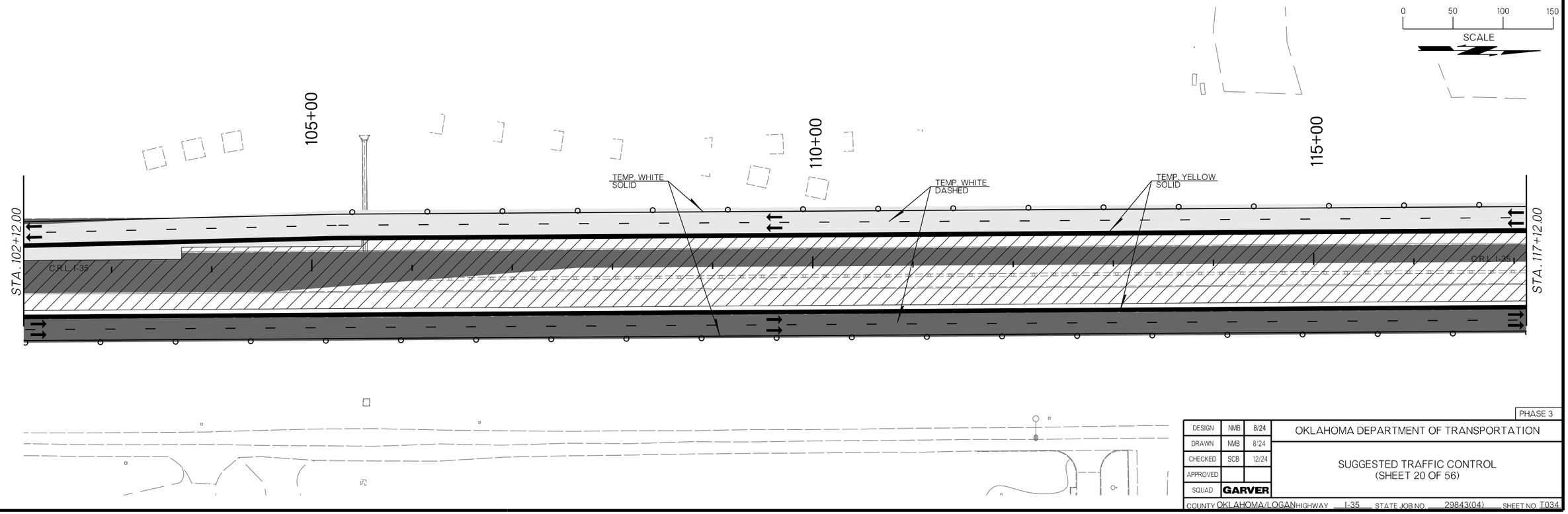
FINAL FIELD MEETING

3/28/2025

LEGEND

- SIGNS
- CHANNELIZERS
- DRUMS
- GLARE SCREEN
- IMPACT ATTENUATORS
- PORTABLE LONGITUDINAL BARRIER (P.L.B.)
- TEMPORARY UNDER CONSTRUCTION
- PERMANENT UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- COMPLETED TEMPORARY
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE





PHASE 3

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED TRAFFIC CONTROL
(SHEET 20 OF 56)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T034

3/28/2025 9:28:24 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_TC_PH3_001.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

SCALE 0 50 100 150

LEGEND

- SIGNS
- CHANNELIZERS
- DRUMS
- GLARE SCREEN
- IMPACT ATTENUATORS
- PORTABLE LONGITUDINAL BARRIER (P.L.B.)
- TEMPORARY UNDER CONSTRUCTION
- PERMANENT UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- COMPLETED TEMPORARY
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE

SEC 04
T14N R02W

1318.57'
N88°54'41.45"E

120+00

125+00

130+00

STA. 117+12.00

STA. 131+44.00

STA. 132+12.00

STA. 131+92.00

C.R.L. I-35

SURVEY ℄ (A003)

℄ RAMP A

℄ RAMP B

SURVEY ℄ (A004)

TEMP. WHITE DASHED

TEMP. WHITE SOLID

TEMP. YELLOW SOLID

TEMP. WHITE DOTTED

W4-1R

YIELD

R1-2E

EXIT 500'

EXIT 500'

W1-4B(L)

E5-2

EXIT OPEN

EXIT

S-1

SEC 04
T14N R02W

PHASE 3

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED TRAFFIC CONTROL
(SHEET 21 OF 56)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T035

3/28/2025 9:28:27 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_TC_PH3_002.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 50 100 150

SCALE

LEGEND

- SIGNS
- CHANNELIZERS
- DRUMS
- GLARE SCREEN
- IMPACT ATTENUATORS
- PORTABLE LONGITUDINAL BARRIER (P.L.B.)
- TEMPORARY UNDER CONSTRUCTION
- PERMANENT UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- COMPLETED TEMPORARY
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE

ROAD WORK AHEAD W20-1

W1-4L

DO NOT ENTER R5-1

TEMP. WHITE SOLID

TEMP. YELLOW SOLID

TEMP. WHITE DASHED

℄ RAMP A

℄ RAMP B

℄ RAMP C

℄ RAMP D

℄ FRONTAGE

SURVEY ℄ (A003)

SURVEY ℄ (A004)

SURVEY ℄ (A006)

SURVEY ℄ (A002)

WATERLOO C.R.L.

S-E TURNOUT 7

℄ SFLY C-1

S-12

S-9

C.R.L. I-35

STA. 131+44.00

STA. 131+92

STA. 132+12.00

135+00

140+00

145+00

STA. 146+80.00

STA. 147+12.00

STA. 147+31

W1-4BR

W3-2

℄ INDUSTRIAL

PHASE 3

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED TRAFFIC CONTROL
(SHEET 22 OF 56)

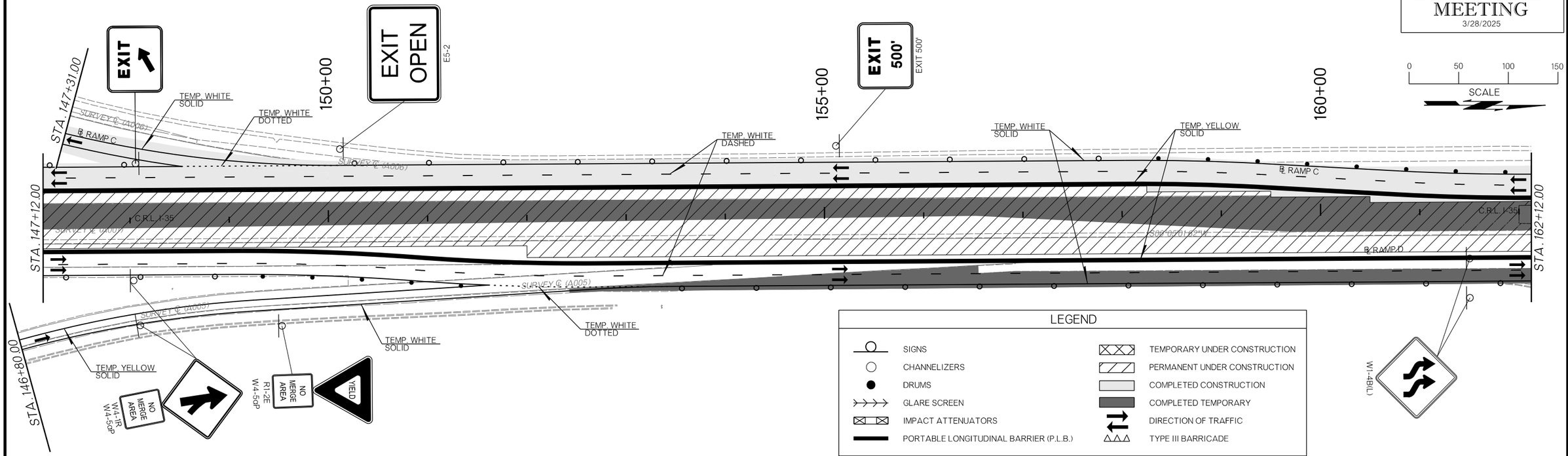
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T036

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

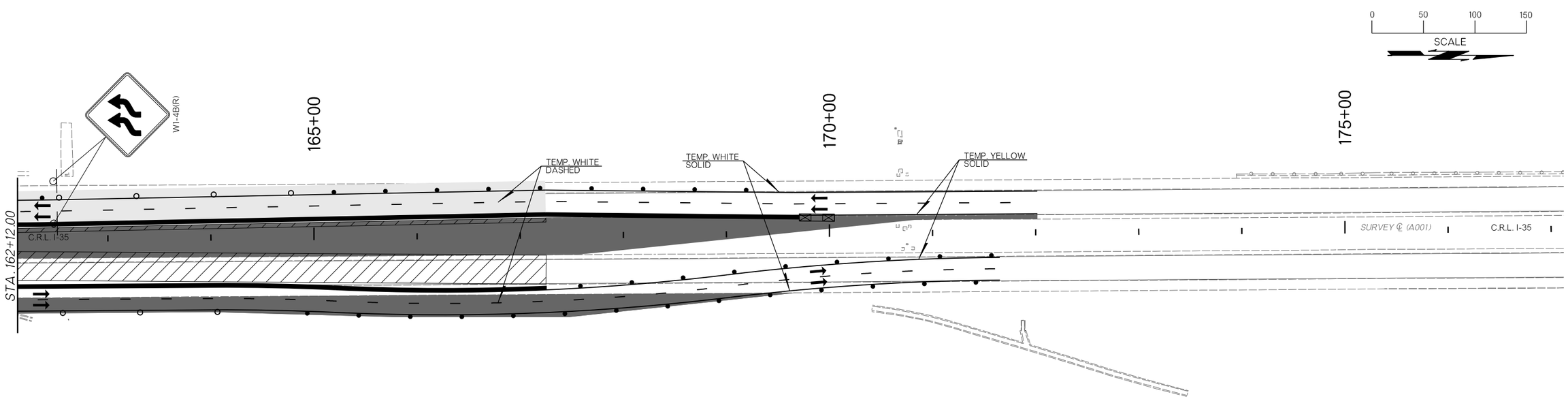
FINAL FIELD MEETING

3/28/2025



LEGEND

SIGNS	TEMPORARY UNDER CONSTRUCTION
CHANNELIZERS	PERMANENT UNDER CONSTRUCTION
DRUMS	COMPLETED CONSTRUCTION
GLARE SCREEN	COMPLETED TEMPORARY
IMPACT ATTENUATORS	DIRECTION OF TRAFFIC
PORTABLE LONGITUDINAL BARRIER (P.L.B.)	TYPE III BARRICADE



PHASE 3

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED TRAFFIC CONTROL
(SHEET 23 OF 56)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T037

3/28/2025 9:28:32 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_TC_PH3_004.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

LEGEND

- SIGNS
- CHANNELIZERS
- DRUMS
- GLARE SCREEN
- IMPACT ATTENUATORS
- PORTABLE LONGITUDINAL BARRIER (P.L.B.)
- TEMPORARY UNDER CONSTRUCTION
- PERMANENT UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- COMPLETED TEMPORARY
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE

SCALE 0 50 100 150

95+00

100+00

LANE CLOSED R11-2(LANE)

TEMP. YELLOW SOLID

TEMP. WHITE DASHED

TEMP. WHITE SOLID

STA. 102+12.00

STA. 117+12.00

C.R.L. I-35

SURVEY ℄ (A001)

11000.02'
N00°22'05.31"W

W1-4B(R)

E-W 90
SECTION LINE

2644.50'
N89°15'03.18"E

105+00

110+00

115+00

W1-4B(L)

EXIT 500'

2661.49'
N89°03'44.59"E

PHASE 4A

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED TRAFFIC CONTROL
(SHEET 24 OF 56)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T038

3/28/2025 9:28:36 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_TC_PH4A_001.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

SCALE 0 50 100 150

SEC 04
T14N R02W

LEGEND

- SIGNS
- CHANNELIZERS
- DRUMS
- GLARE SCREEN
- IMPACT ATTENUATORS
- PORTABLE LONGITUDINAL BARRIER (P.L.B.)
- TEMPORARY UNDER CONSTRUCTION
- PERMANENT UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- COMPLETED TEMPORARY
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE

1318.57'
N88°54'41.45"E

STA. 117+12.00

C.R.L. I-35

SURVEY ℄ (A001)

SURVEY ℄ (A003)

SURVEY ℄ (A004)

SURVEY ℄ (A001)

1000.00'
N00°22'05.31"W

C.R.L. I-35

STA. 132+12.00

℄ RAMP A

℄ RAMP B

STA. 131+44.00

STA. 131+92.00

120+00

125+00

130+00

LANE CLOSED
R11-2(LANE)

EXIT
OPEN
E5-2

EXIT

LANE CLOSED
R11-2(LANE)

LANE CLOSED
R11-2(LANE)

W1-4BL(L)

W4-3R

TEMP. WHITE SOLID

TEMP. WHITE DASHED

TEMP. YELLOW SOLID

TEMP. WHITE DASHED

TEMP. WHITE DOTTED

TEMP. WHITE DOTTED

TEMP. WHITE SOLID

TEMP. YELLOW SOLID

TEMP. YELLOW SOLID

TEMP. WHITE SOLID

PHASE 4A

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED TRAFFIC CONTROL
(SHEET 25 OF 56)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T039

SEC 04
T14N R02W

3/28/2025 9:28:38 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_TC_PH4A_002.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 50 100 150

SCALE

ONE LANE ROAD AHEAD W20-4

ROAD WORK 500 FT W20-1

ROAD WORK AHEAD W20-1

W20-7a

YIELD R1-2

STOP HERE ON RED R10-6A

STOP HERE ON RED R10-6A

DO NOT ENTER R5-1

TEMP. YELLOW SOLID

TEMP. WHITE SOLID

TEMP. WHITE DASHED

TEMP. YELLOW DOUBLE SOLID

TEMPORARY TRAFFIC SIGNALS

SOUTH M3-3

INTERSTATE 35 M1-1(1)

M6-1

NORTH M3-1

M1-1(1)

LANE CLOSED R11-2(LANE)

℄ RAMP A

℄ RAMP B

℄ RAMP C

℄ RAMP D

℄ RAMP E

℄ RAMP S

SURVEY ℄ (A003)

SURVEY ℄ (A006)

SURVEY ℄ (A004)

SURVEY ℄ (A001)

SURVEY ℄ (A002)

C.R.L. I-35

STA. 131+44.00

STA. 131+92

STA. 132+12.00

135+00

140+00

145+00

STA. 146+80.00

STA. 147+12.00

STA. 147+31

LEGEND

SIGNS	TEMPORARY UNDER CONSTRUCTION
CHANNELIZERS	PERMANENT UNDER CONSTRUCTION
DRUMS	COMPLETED CONSTRUCTION
GLARE SCREEN	COMPLETED TEMPORARY
IMPACT ATTENUATORS	DIRECTION OF TRAFFIC
PORTABLE LONGITUDINAL BARRIER (P.L.B.)	TYPE III BARRICADE

PHASE 4A

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED TRAFFIC CONTROL
(SHEET 26 OF 56)

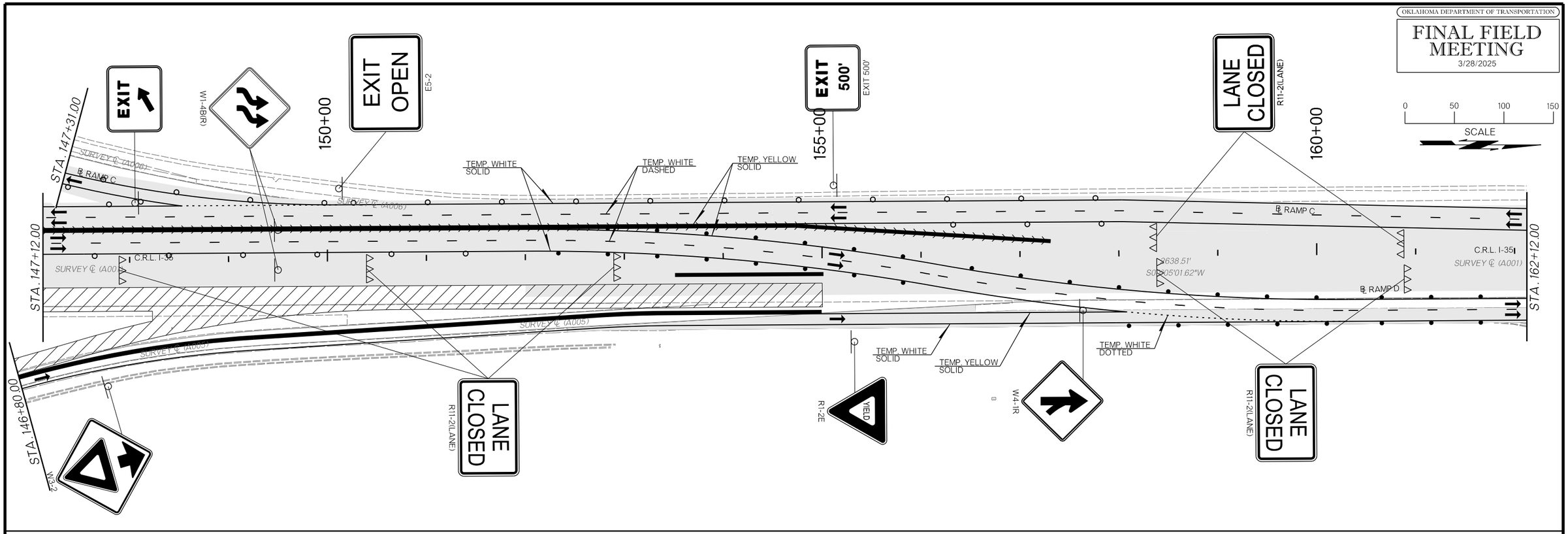
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T040

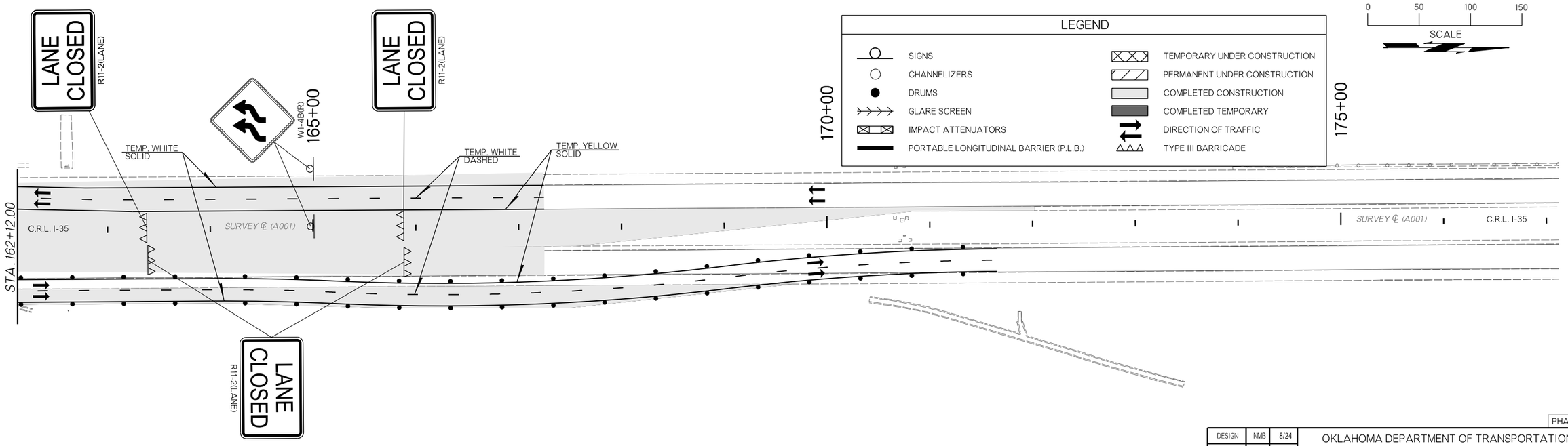
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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025





PHASE 4A

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED TRAFFIC CONTROL
(SHEET 27 OF 56)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T041

3/28/2025 9:28:44 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_TC_PH4A_004.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 50 100 150

SCALE

LEGEND

SIGNS	TEMPORARY UNDER CONSTRUCTION
CHANNELIZERS	PERMANENT UNDER CONSTRUCTION
DRUMS	COMPLETED CONSTRUCTION
GLARE SCREEN	COMPLETED TEMPORARY
IMPACT ATTENUATORS	DIRECTION OF TRAFFIC
PORTABLE LONGITUDINAL BARRIER (P.L.B.)	TYPE III BARRICADE

40+00

STOP HERE ON RED R10-6A

R3-2

R3-1

BUSINESS ACCESS

WATERLOO C.R.L.

SURVEY @ (A007)

WATERLOO C.R.L. SURVEY @ (A005B)

STA. 43+00.00

TEMP. WHITE SOLID

TEMP. YELLOW DOUBLE SOLID

SPEED LIMIT 30 R2-1

45+00

50+00

55+00

W1-4(L)

SPEED LIMIT 35 R2-1

LANE CLOSED R11-2(LANE)

WATERLOO WB E

WATERLOO EB E

SURVEY @ (A002)

BOUCHER @

W20-7a

M6-1

STA. 58+00.00

PHASE 4A

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED TRAFFIC CONTROL
(SHEET 28 OF 56)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T042

3/28/2025 9:28:46 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_TC_PH4A_005.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

LEGEND

- SIGNS
- CHANNELIZERS
- DRUMS
- GLARE SCREEN
- IMPACT ATTENUATORS
- PORTABLE LONGITUDINAL BARRIER (P.L.B.)
- TEMPORARY UNDER CONSTRUCTION
- PERMANENT UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- COMPLETED TEMPORARY
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE

SCALE 0 50 100 150

STA. 58+00.00
WATERLOO C.R.L.
WATERLOO F.B.B.
SURVEY ℄ (A002)
TEMPORARY TRAFFIC SIGNALS
TEMP. WHITE SOLID
TEMP. YELLOW DOUBLE SOLID
TEMP. YELLOW SOLID
DO NOT ENTER R5-1
STOP HERE ON RED R10-6A
65+00
70+00
C.R.L. (I-35)
SURVEY ℄ (A001)
SURVEY ℄ (A003)
M6-1
M1-1(1)
INTERSTATE 35 M3-1
NORTH
SOUTH M3-3
BUSINESS ACCESS
W20-7a
R1-2
YIELD
W20-1
ROAD WORK AHEAD
W20-4
ONE LANE ROAD AHEAD
W3-4
BE PREPARED TO STOP
SPEED LIMIT 30 R2-1
INDUSTRIAL ℄
75+00
80+00
85+00
STA. 73+00.00
STA. 88+00.00

PHASE 4A

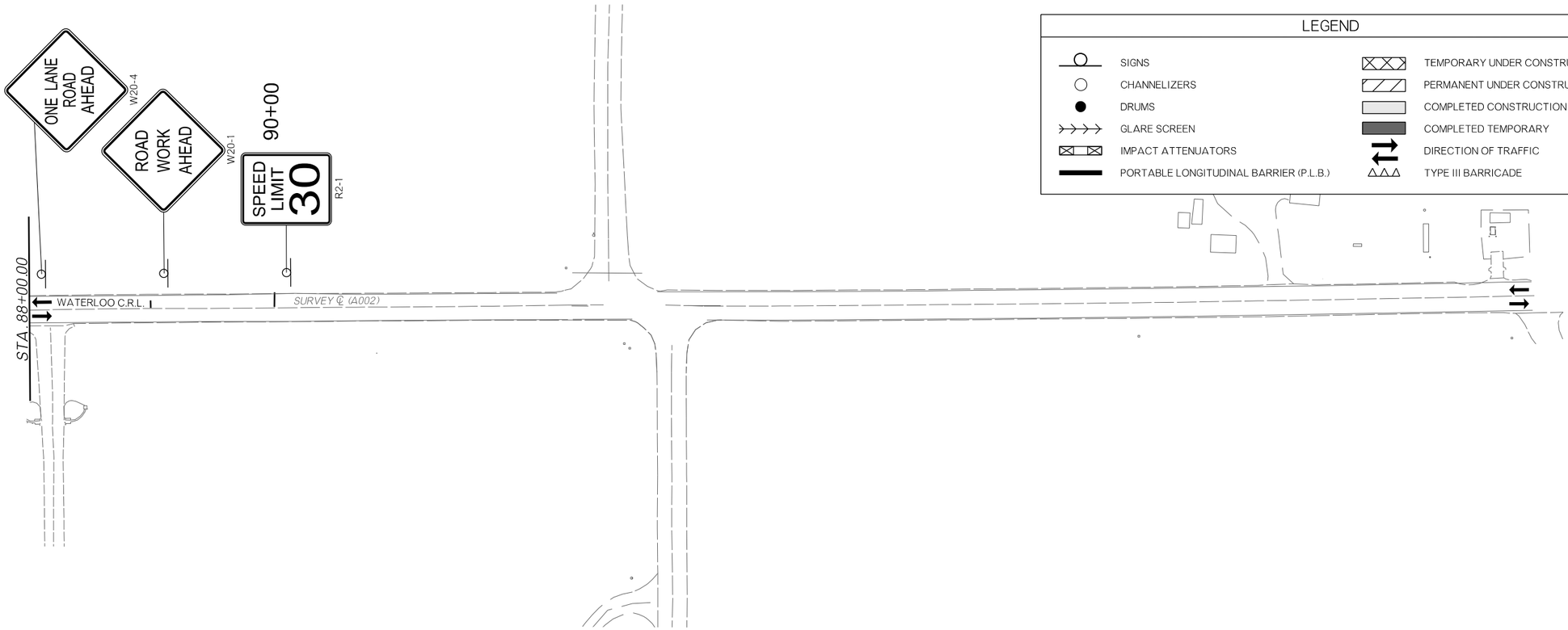
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DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED TRAFFIC CONTROL
(SHEET 29 OF 56)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T043

3/28/2025 9:28:49 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_TC_PH4A_006.dgn



LEGEND

SIGNS	TEMPORARY UNDER CONSTRUCTION
CHANNELIZERS	PERMANENT UNDER CONSTRUCTION
DRUMS	COMPLETED CONSTRUCTION
GLARE SCREEN	COMPLETED TEMPORARY
IMPACT ATTENUATORS	DIRECTION OF TRAFFIC
PORTABLE LONGITUDINAL BARRIER (P.L.B.)	TYPE III BARRICADE

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 50 100 150

SCALE

3/28/2025 9:28:52 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_TC_PH4A_007.dgn

PHASE 4A

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

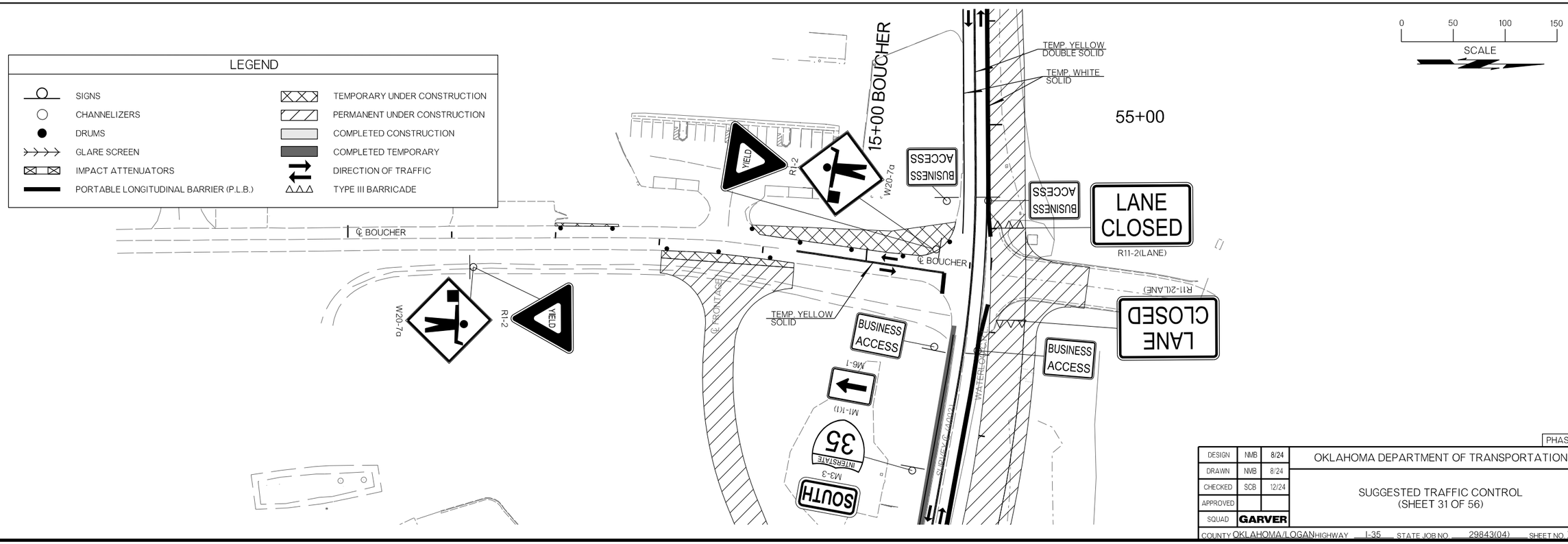
OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED TRAFFIC CONTROL
(SHEET 30 OF 56)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T044

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025



PHASE 4A

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED TRAFFIC CONTROL
(SHEET 31 OF 56)

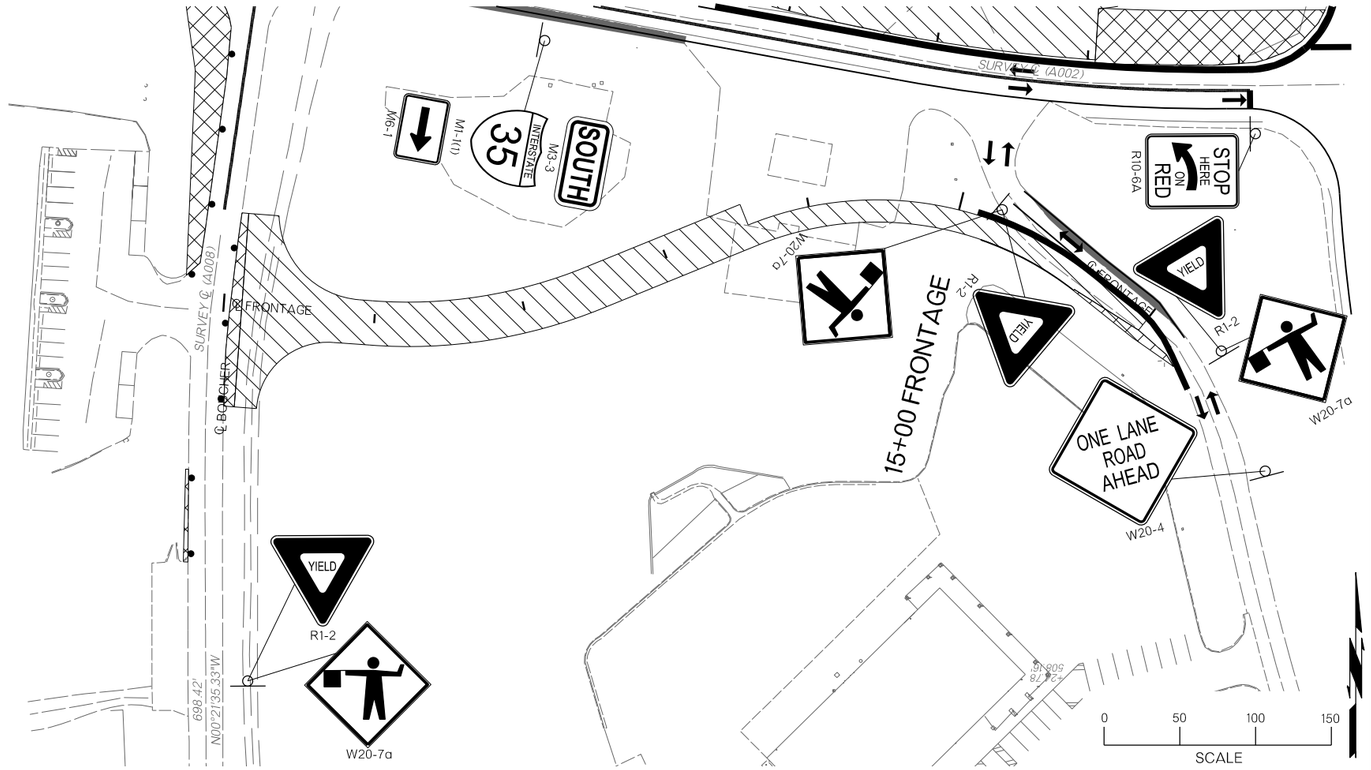
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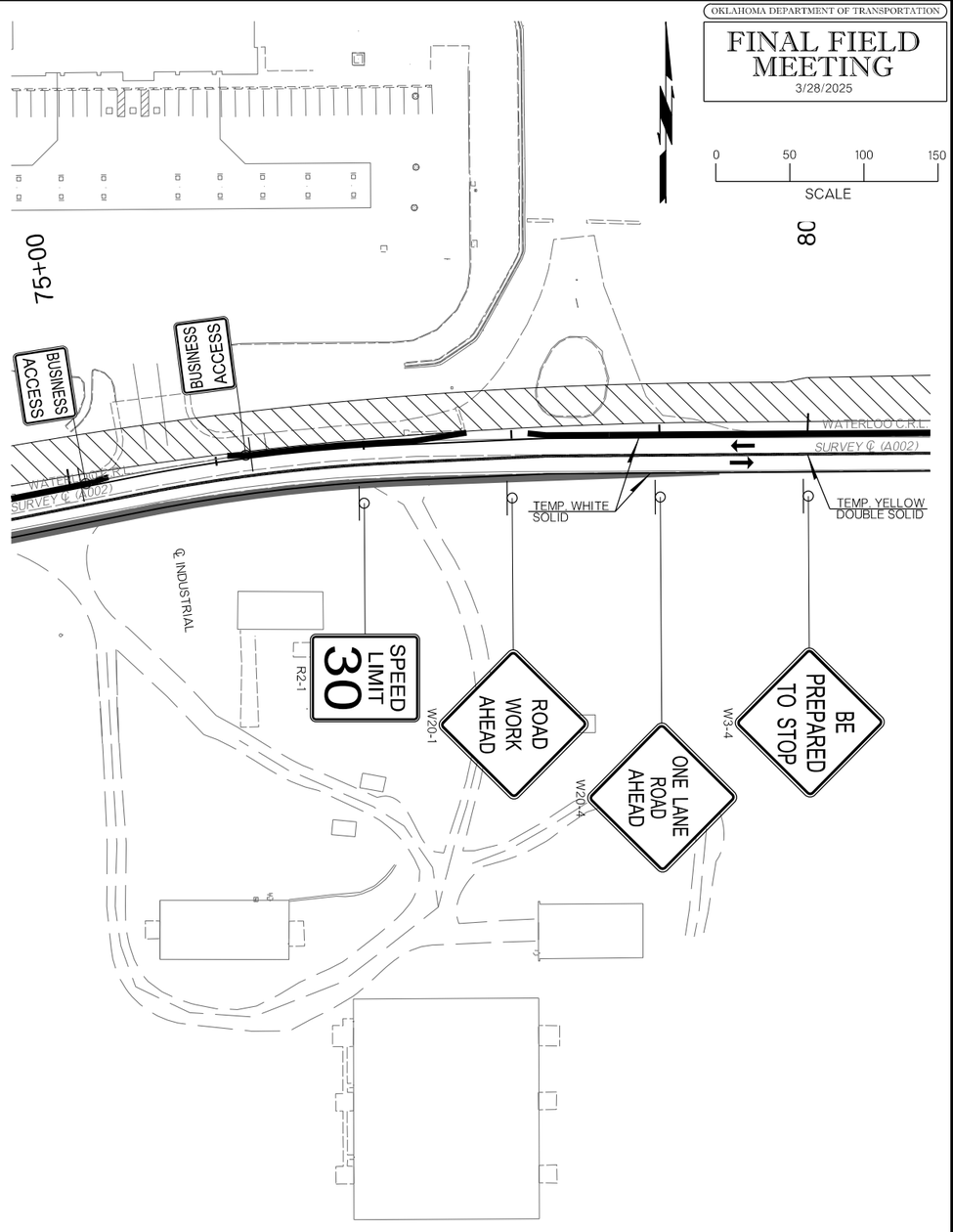
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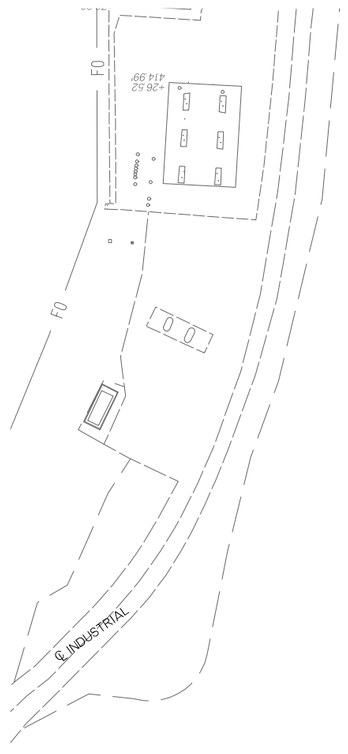
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025







LEGEND

- SIGNS
- CHANNELIZERS
- DRUMS
- GLARE SCREEN
- IMPACT ATTENUATORS
- PORTABLE LONGITUDINAL BARRIER (P.L.B.)
- TEMPORARY UNDER CONSTRUCTION
- PERMANENT UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- COMPLETED TEMPORARY
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE

PHASE 4A

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED TRAFFIC CONTROL
(SHEET 32 OF 56)

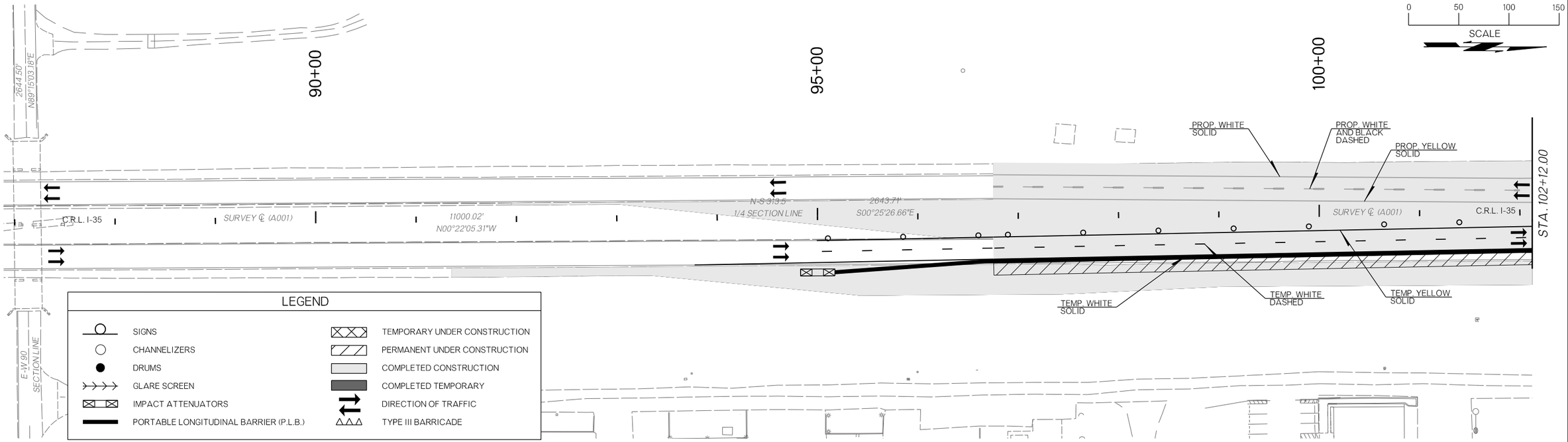
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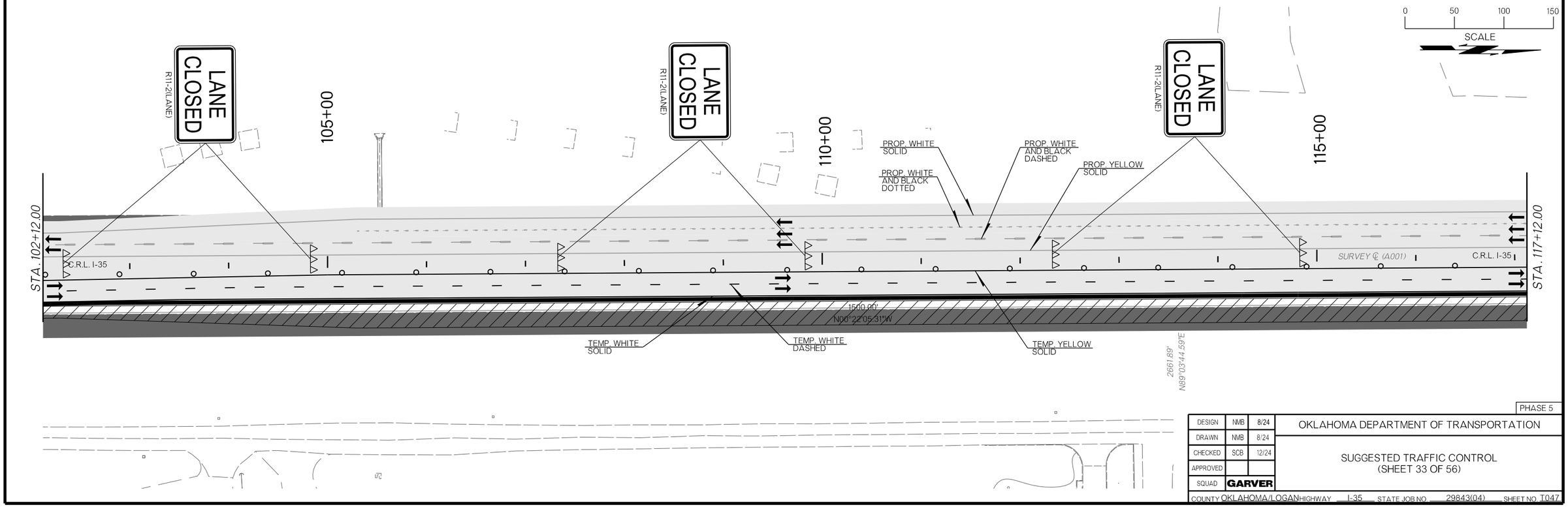
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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025





PHASE 5

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED TRAFFIC CONTROL
(SHEET 33 OF 56)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T047

3/28/2025 9:29:01 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_TC_PH5_001.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

SEC 04
T14N R02W

LEGEND

SIGNS	TEMPORARY UNDER CONSTRUCTION
CHANNELIZERS	PERMANENT UNDER CONSTRUCTION
DRUMS	COMPLETED CONSTRUCTION
GLARE SCREEN	COMPLETED TEMPORARY
IMPACT ATTENUATORS	DIRECTION OF TRAFFIC
PORTABLE LONGITUDINAL BARRIER (P.L.B.)	TYPE III BARRICADE

0 50 100 150
SCALE

1318.57'
N88°54'41.45"E

LANE CLOSED
R11-2(LANE)

120+00

LANE CLOSED
R11-2(LANE)

125+00

LANE CLOSED
R11-2(LANE)

130+00

PROP. WHITE SOLID
PROP. WHITE AND BLACK DOTTED
PROP. WHITE AND BLACK DASHED
PROP. YELLOW SOLID
PROP. WHITE SOLID
PROP. WHITE AND BLACK DASHED
TEMP. WHITE SOLID
TEMP. YELLOW SOLID

STA. 117+12.00
STA. 131+44.00
STA. 132+12.00
STA. 131+92.00

SURVEY ℄ (A003)
SURVEY ℄ (A004)
C.R.L. I-35
℄ RAMP A
℄ RAMP B

500.00'
N00°22'06.31"W

TEMP. WHITE SOLID
TEMP. WHITE DASHED
TEMP. YELLOW SOLID
TEMP. WHITE DOTTED
TEMP. YELLOW SOLID

EXIT 500'
EXIT 500'

E5-2
EXIT OPEN

EXIT

SEC 04
T14N R02W

PHASE 5

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED TRAFFIC CONTROL
(SHEET 34 OF 56)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T048

3/28/2025 9:29:04 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_TC_PH5_002.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

LEGEND

SIGNS	TEMPORARY UNDER CONSTRUCTION
CHANNELIZERS	PERMANENT UNDER CONSTRUCTION
DRUMS	COMPLETED CONSTRUCTION
GLARE SCREEN	COMPLETED TEMPORARY
IMPACT ATTENUATORS	DIRECTION OF TRAFFIC
PORTABLE LONGITUDINAL BARRIER (P.L.B.)	TYPE III BARRICADE

0 50 100 150

SCALE

135+00 (RAMP A)

145+00 (RAMP C)

135+00 (RAMP B)

145+00 (RAMP D)

W20-7a

R1-2

YIELD

SOUTH

M3-3

INTERSTATE 35

M1-1(1)

M6-1

LANE CLOSED

R11-2(LANE)

DO NOT ENTER

R5-1

STOP HERE ON RED

R10-6A

NORTH

M3-1

TEMP. WHITE SOLID

TEMP. YELLOW SOLID

TEMP. YELLOW DOUBLE SOLID

PROP. WHITE AND BLACK DASHED

PROP. WHITE SOLID

PROP. YELLOW SOLID

TEMP. WHITE DASHED

TEMPORARY TRAFFIC SIGNALS

BUSINESS ACCESS

STA. 131+44.00

STA. 131+92

STA. 132+12.00

STA. 147+31

STA. 146+80.00

135+00

140+00

145+00

50+00

C.R.L. I-35

SURVEY ℄ (A001)

SURVEY ℄ (A004)

SURVEY ℄ (A002)

WATERLOO C.R.L.

RAMP A

RAMP B

RAMP C

RAMP D

PHASE 5

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED TRAFFIC CONTROL
(SHEET 35 OF 56)

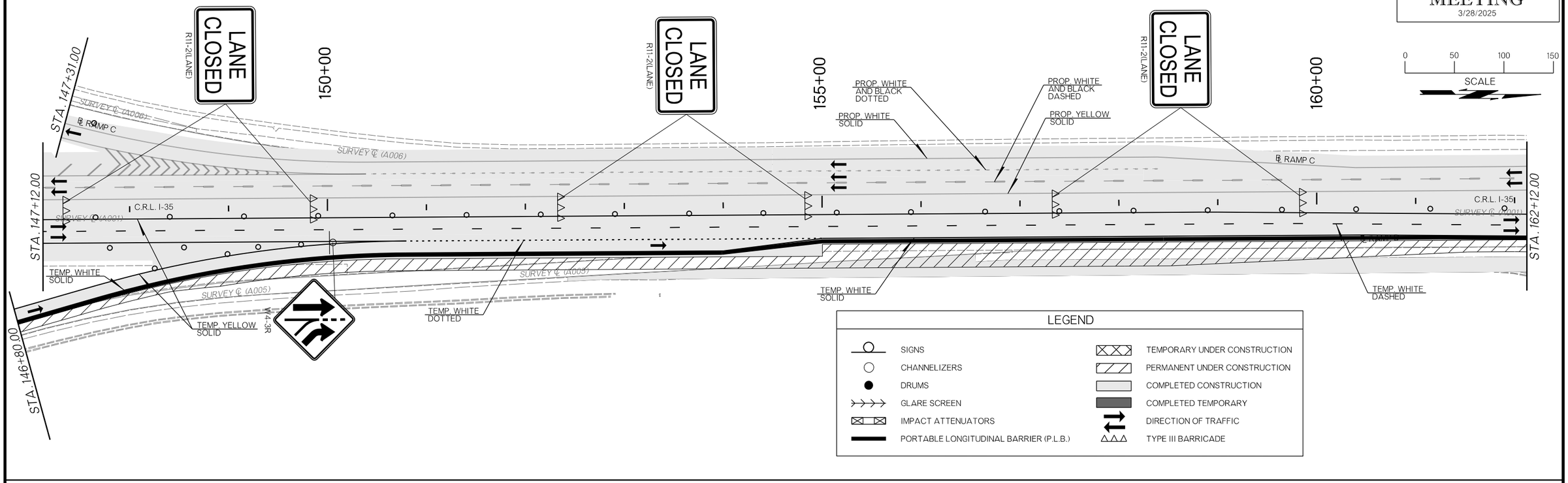
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OKLAHOMA DEPARTMENT OF TRANSPORTATION

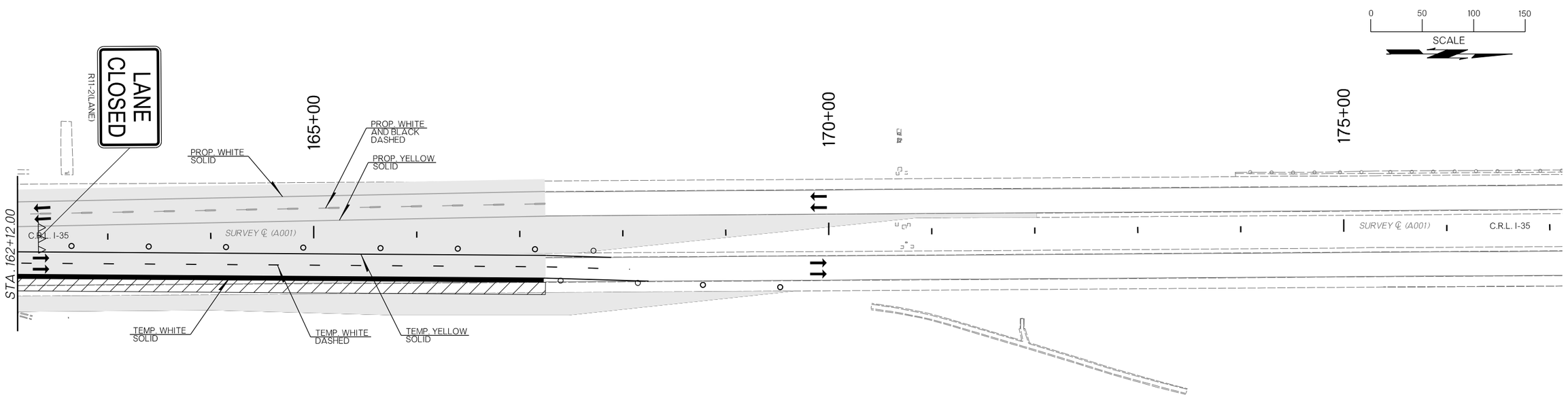
FINAL FIELD MEETING

3/28/2025



LEGEND

SIGNS	TEMPORARY UNDER CONSTRUCTION
CHANNELIZERS	PERMANENT UNDER CONSTRUCTION
DRUMS	COMPLETED CONSTRUCTION
GLARE SCREEN	COMPLETED TEMPORARY
IMPACT ATTENUATORS	DIRECTION OF TRAFFIC
PORTABLE LONGITUDINAL BARRIER (P.L.B.)	TYPE III BARRICADE



PHASE 5

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED TRAFFIC CONTROL
(SHEET 36 OF 56)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T050

3/28/2025 9:29:09 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_TC_PH5_004.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

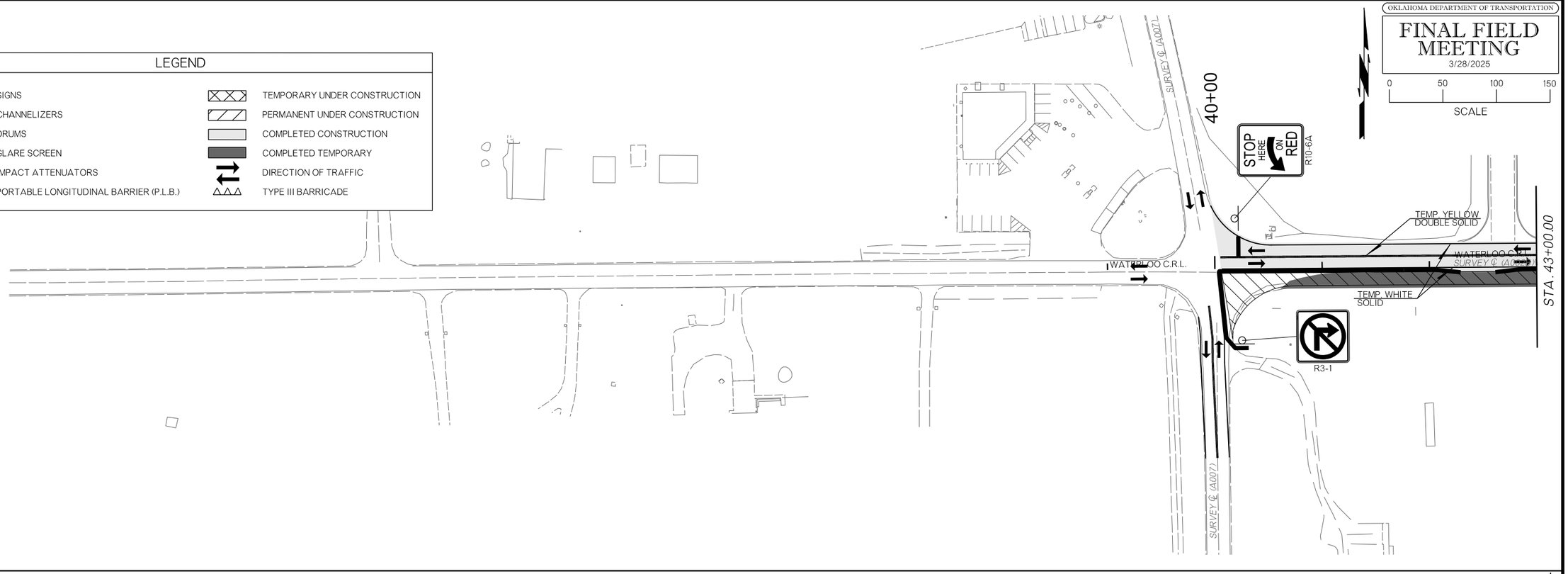
3/28/2025

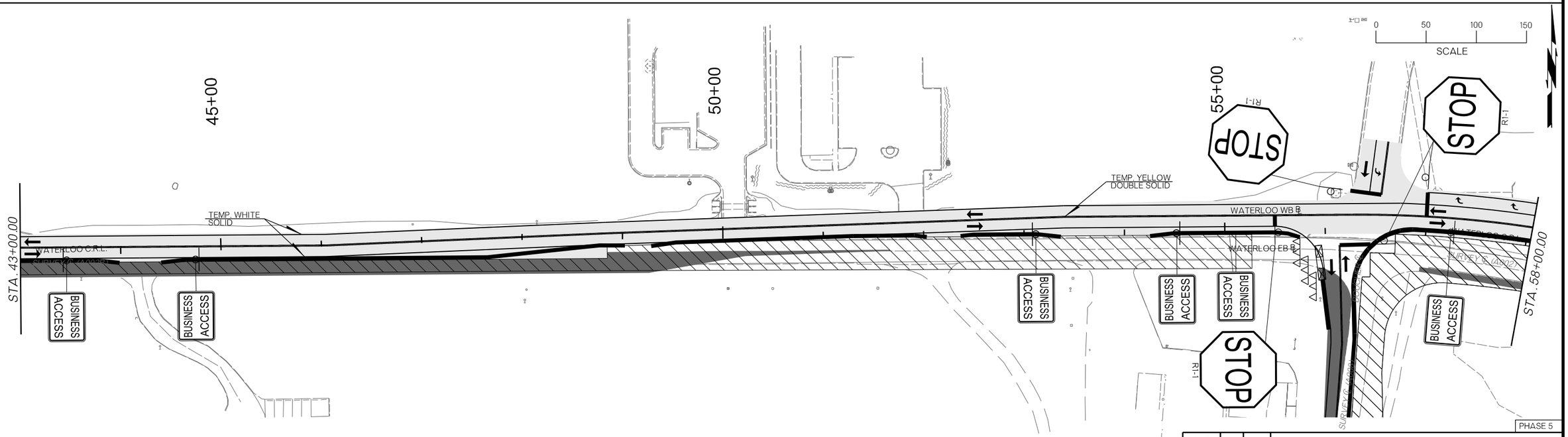
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SCALE

LEGEND

SIGNS	TEMPORARY UNDER CONSTRUCTION
CHANNELIZERS	PERMANENT UNDER CONSTRUCTION
DRUMS	COMPLETED CONSTRUCTION
GLARE SCREEN	COMPLETED TEMPORARY
IMPACT ATTENUATORS	DIRECTION OF TRAFFIC
PORTABLE LONGITUDINAL BARRIER (P.L.B.)	TYPE III BARRICADE





PHASE 5

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED TRAFFIC CONTROL
(SHEET 37 OF 56)

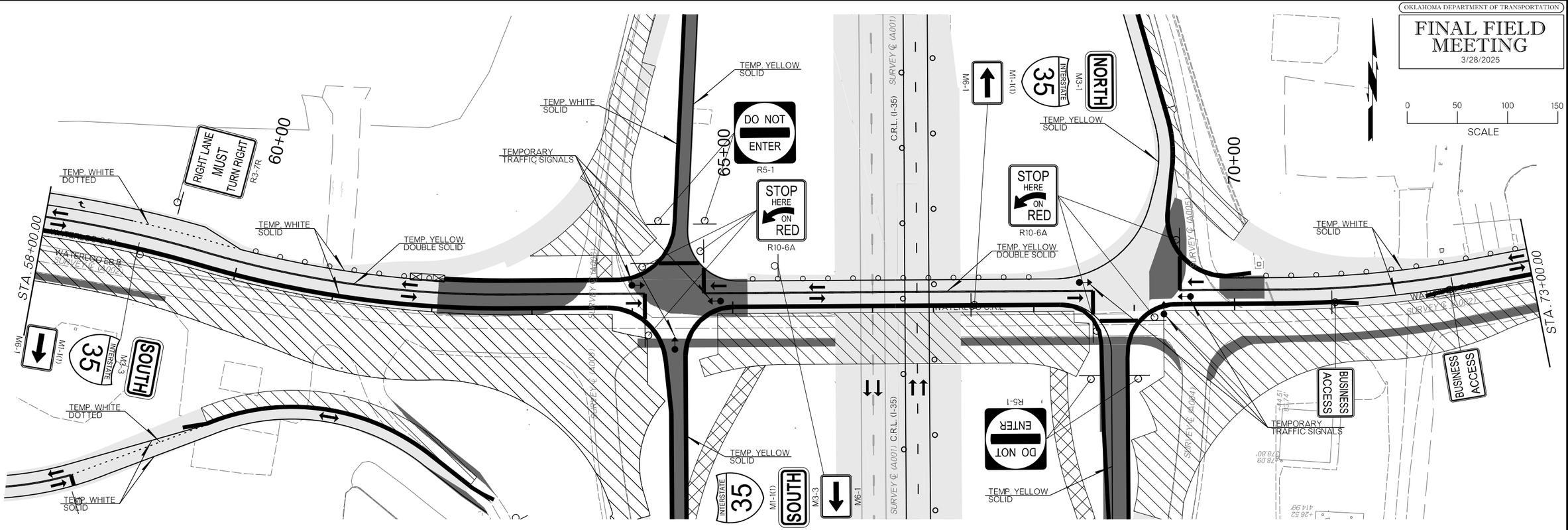
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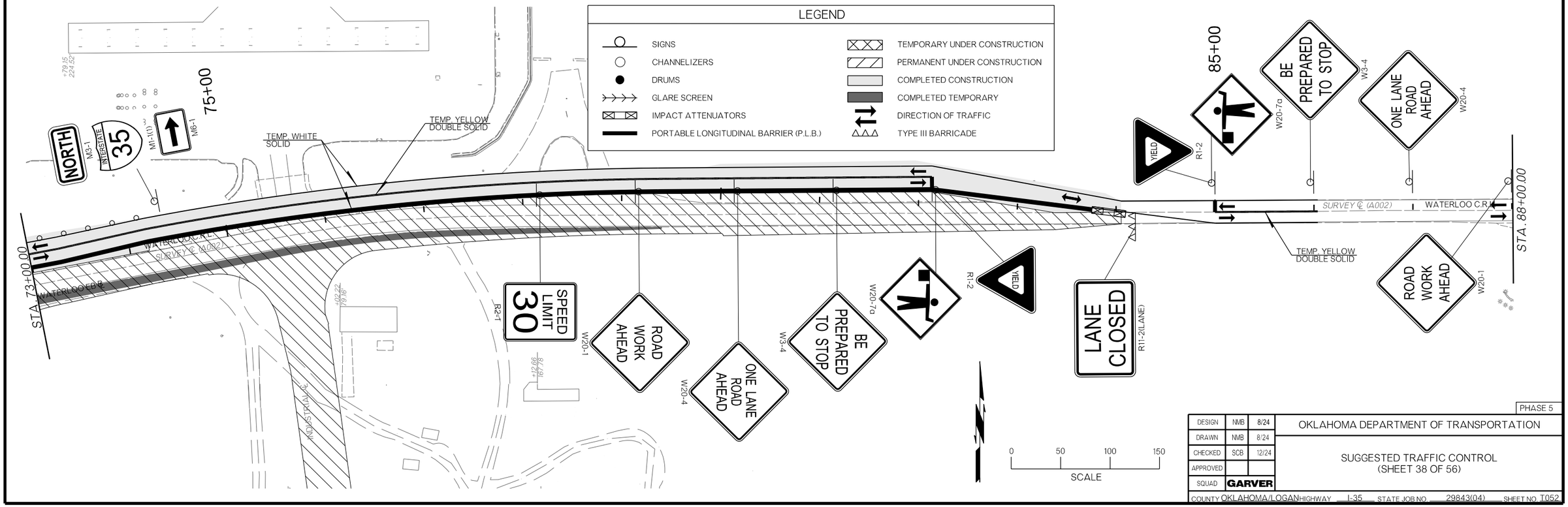
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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025





PHASE 5

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED TRAFFIC CONTROL
(SHEET 38 OF 56)

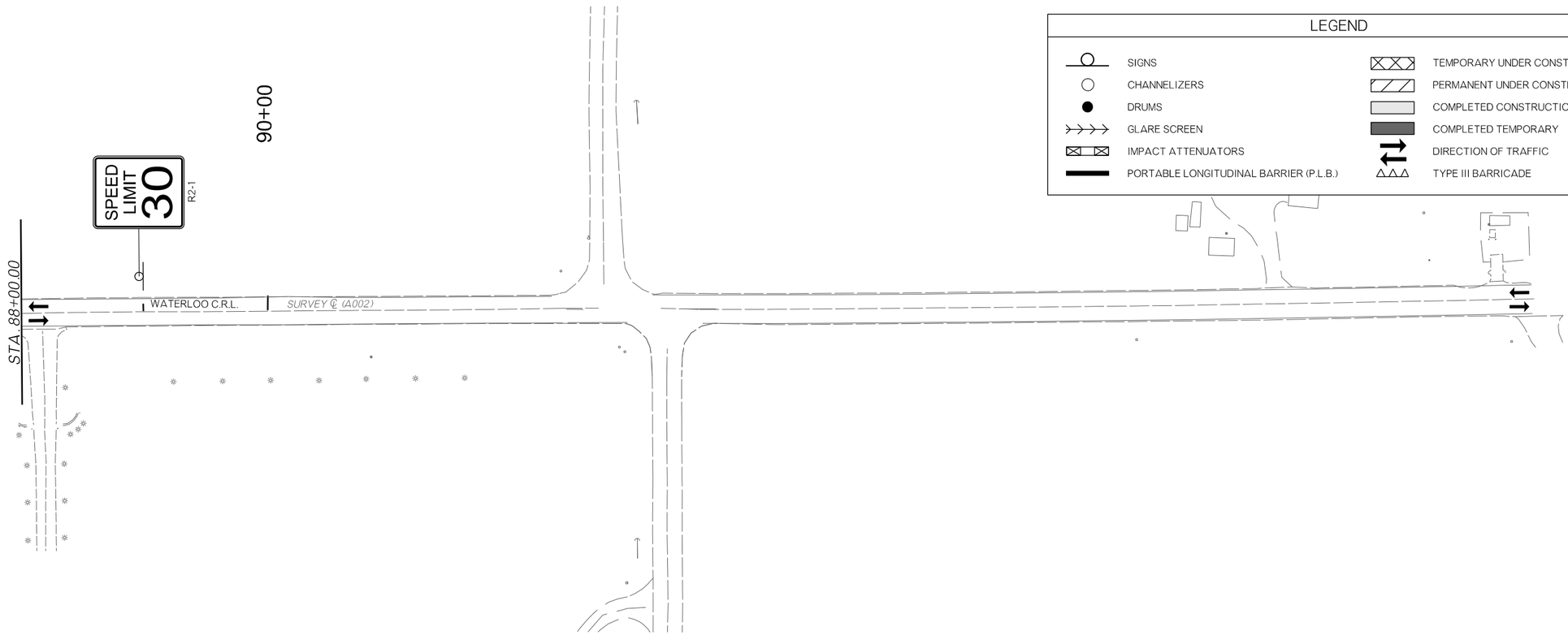
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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025



PHASE 5

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED TRAFFIC CONTROL
(SHEET 39 OF 56)

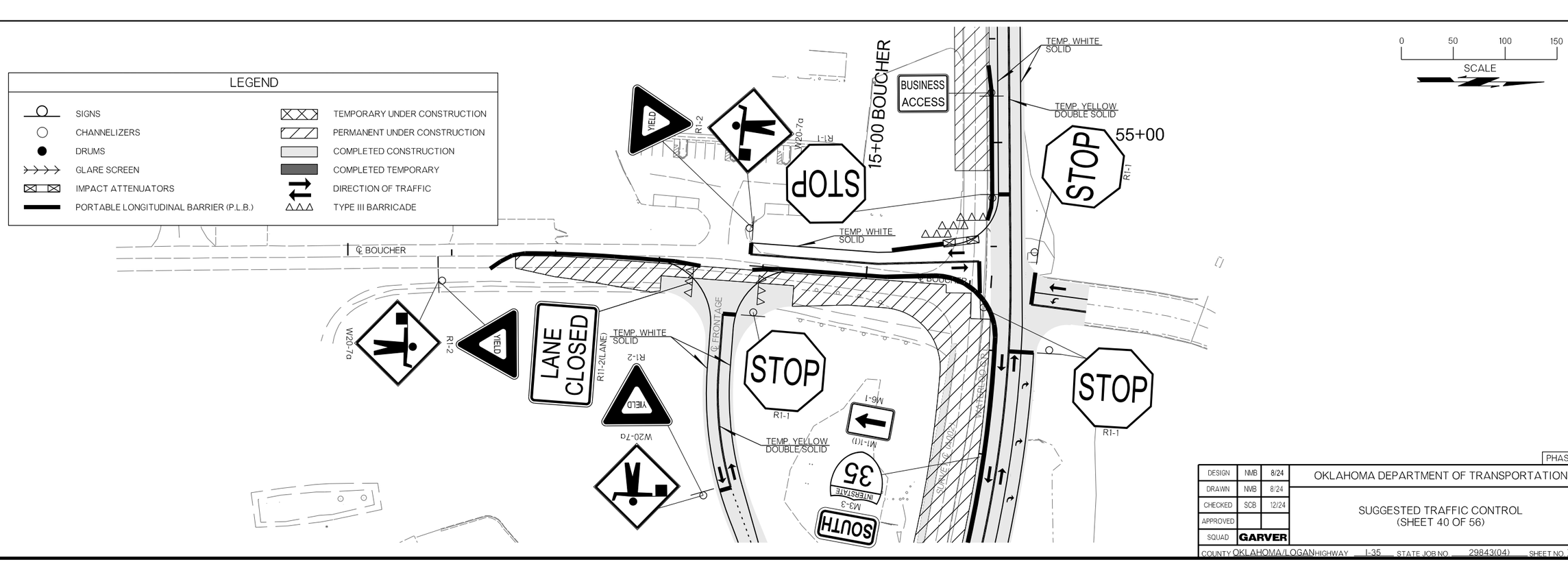
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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025



PHASE 5

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED TRAFFIC CONTROL
(SHEET 40 OF 56)

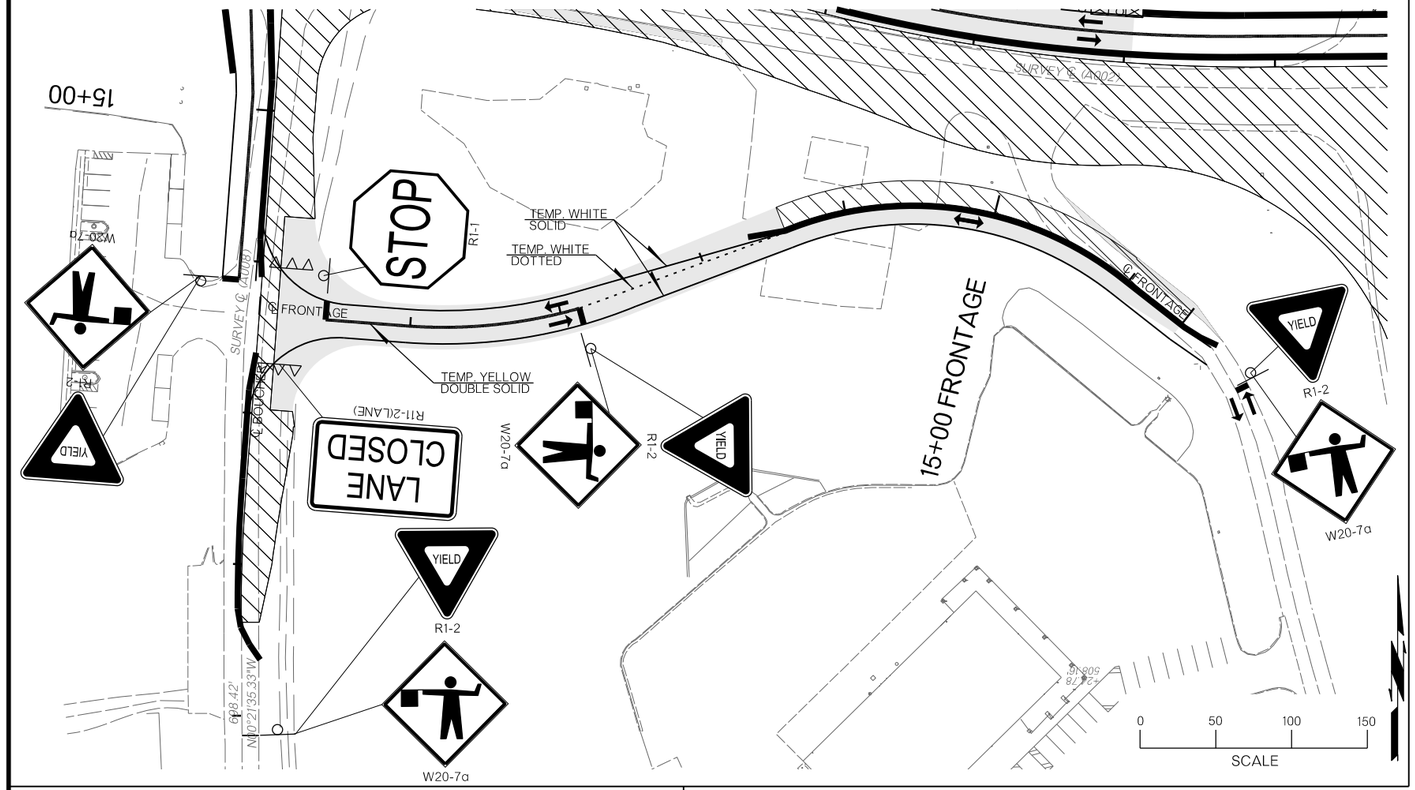
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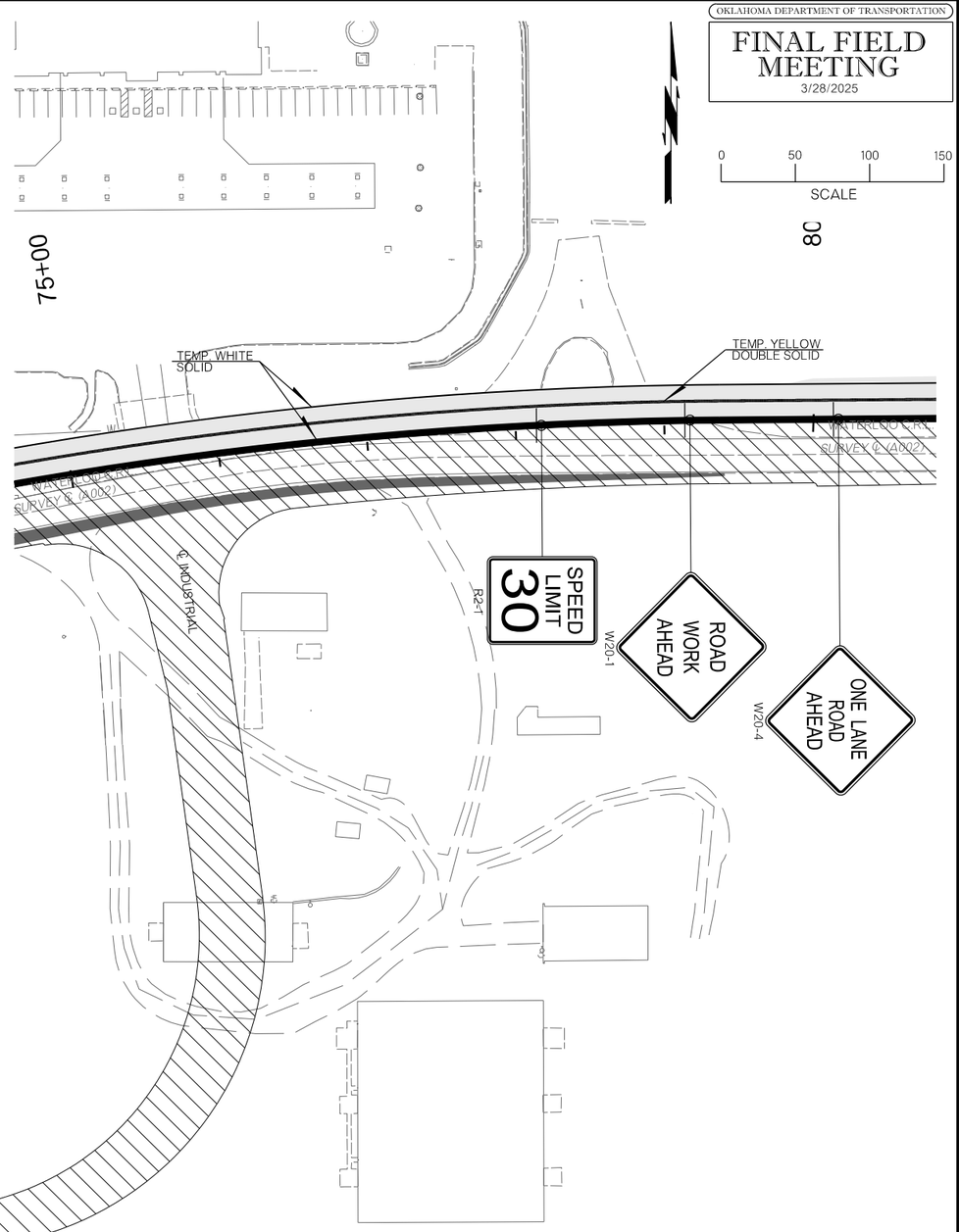
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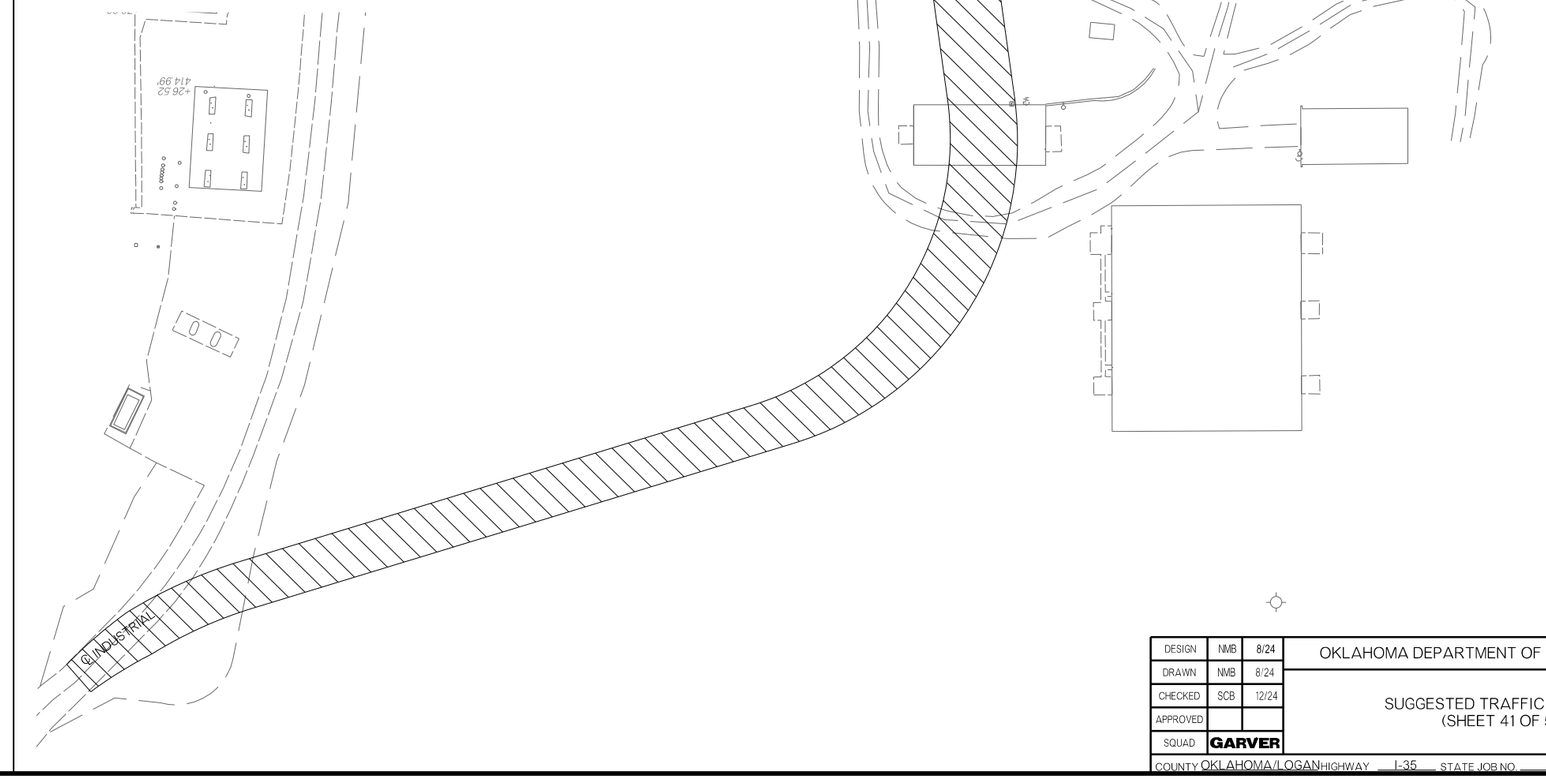
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025







LEGEND

- SIGNS
- CHANNELIZERS
- DRUMS
- GLARE SCREEN
- IMPACT ATTENUATORS
- PORTABLE LONGITUDINAL BARRIER (P.L.B.)
- TEMPORARY UNDER CONSTRUCTION
- PERMANENT UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- COMPLETED TEMPORARY
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE

PHASE 5

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED TRAFFIC CONTROL
(SHEET 41 OF 56)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T055

3/28/2025 9:29:23 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_TC_PH5_010.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 50 100 150

SCALE

LEGEND

- SIGNS
- CHANNELIZERS
- DRUMS
- GLARE SCREEN
- IMPACT ATTENUATORS
- PORTABLE LONGITUDINAL BARRIER (P.L.B.)
- TEMPORARY UNDER CONSTRUCTION
- PERMANENT UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- COMPLETED TEMPORARY
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE

LANE CLOSED
STOP HERE ON RED
R10-6A
R11-2(LANE)
TEMP. YELLOW SOLID
TEMP. WHITE DASHED
PROP. YELLOW SOLID
TEMP. WHITE SOLID
M6-1
INTERSTATE 35
M1-1(1)
NORTH
M3-1
PROP. WHITE SOLID
PROP. WHITE AND BLACK DASHED
PROP. YELLOW SOLID
DO NOT ENTER
R5-1
SOUTH
M3-3
YIELD
R1-2
W12-1
W1-1
TEMP. YELLOW SOLID
TEMP. WHITE SOLID

℄ FRONTAGE
WATERLOO C.R.L.
℄ RAMP A
℄ RAMP B
℄ RAMP C
℄ RAMP D
℄ SELY C.L.
℄ INDUSTRIAL
C.R.L. I-35
SURVEY ℄ (A001)
SURVEY ℄ (A004)
SURVEY ℄ (A005)
S-5
S-12
S-9
499.30'
N15°36'33.01"E
466.52'
N16°21'05.94"W
135+00 (RAMP A)
140+00 (RAMP C)
145+00 (RAMP C)
135+00 (RAMP B)
145+00 (RAMP D)
STA. 131+44.00
STA. 131+92
STA. 132+12.00
STA. 146+80.00
STA. 147+31
135+00
140+00
145+00

PHASE 6

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED TRAFFIC CONTROL
(SHEET 42 OF 56)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T056

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

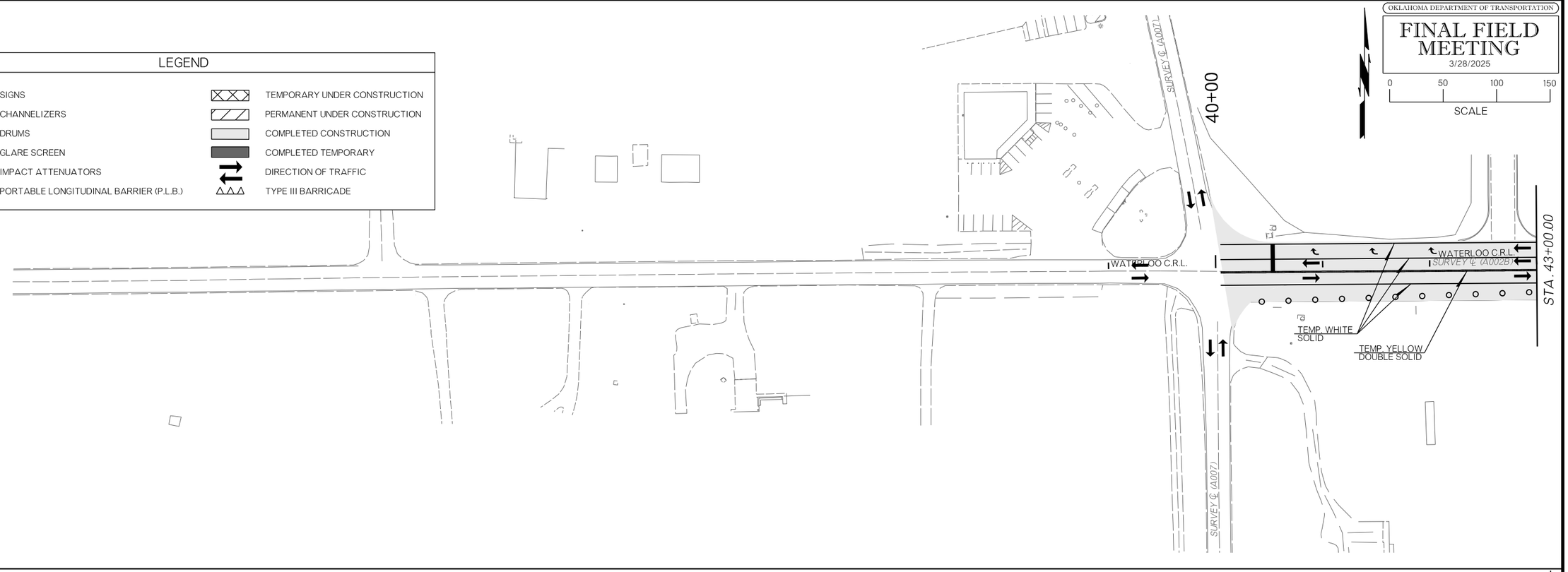
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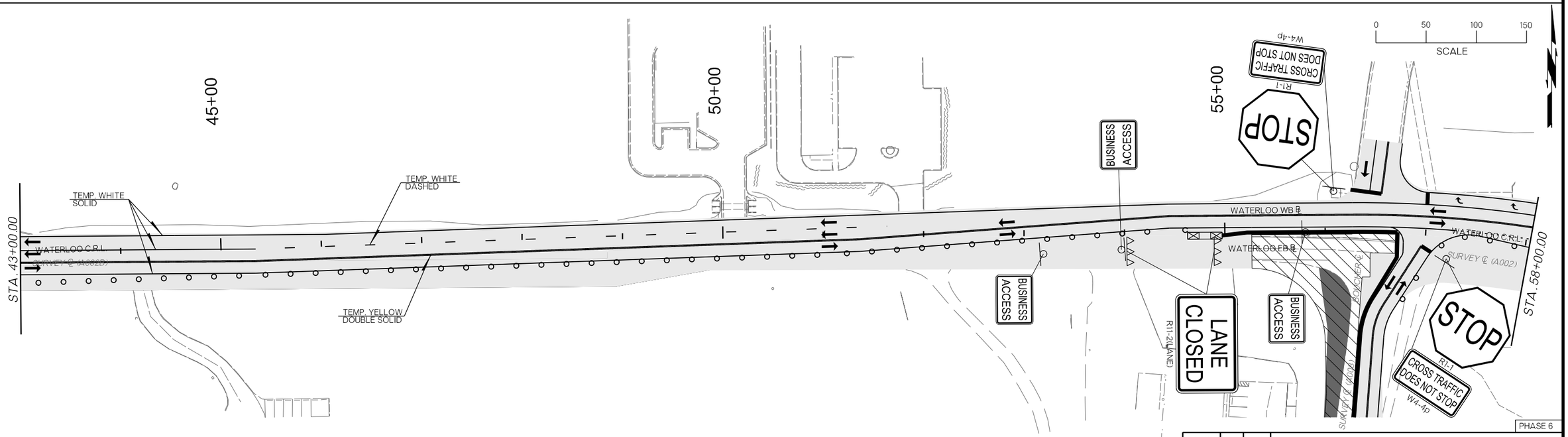
0 50 100 150

SCALE

LEGEND

- SIGNS
- CHANNELIZERS
- DRUMS
- GLARE SCREEN
- IMPACT ATTENUATORS
- PORTABLE LONGITUDINAL BARRIER (P.L.B.)
- TEMPORARY UNDER CONSTRUCTION
- PERMANENT UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- COMPLETED TEMPORARY
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE





PHASE 6

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED TRAFFIC CONTROL
(SHEET 43 OF 56)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T057

3/28/2025 9:29:29 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_TC_PH6_005.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

SCALE 0 50 100 150

TEMP. YELLOW SOLID
TEMP. WHITE SOLID
DO NOT ENTER R5-1
R10-6A STOP HERE ON RED
C.R.L. (I-35)
SOUTH M3-3 INTERSTATE 35 M1-1(1) M6-1
YIELD R1-2
60+00
65+00
70+00
TEMP. WHITE DOTTED
TEMP. WHITE SOLID
TEMP. YELLOW DOUBLE SOLID
WATERLOO C.R.L.
SURVEY ℄ (A002)
STA. 58+00.00
STA. 73+00.00
BUSINESS ACCESS
W12-1
W4-3R
PROP. WHITE SOLID
PROP. YELLOW DOUBLE SOLID
LANE CLOSED R11-2(LANE)
15+00 FRONTAGE
TEMP. YELLOW DOUBLE SOLID
TEMP. WHITE SOLID
+79.15 224.52'
+26.52 414.99'
+78.09 278.80'

LEGEND

SIGNS	TEMPORARY UNDER CONSTRUCTION
CHANNELIZERS	PERMANENT UNDER CONSTRUCTION
DRUMS	COMPLETED CONSTRUCTION
GLARE SCREEN	COMPLETED TEMPORARY
IMPACT ATTENUATORS	DIRECTION OF TRAFFIC
PORTABLE LONGITUDINAL BARRIER (P.L.B.)	TYPE III BARRICADE

80+00
85+00
NORTH M3-1 INTERSTATE 35 M1-1(1) M6-1
STOP R1-1
75+00
TEMP. YELLOW DOUBLE SOLID
TEMP. WHITE DASHED
PROP. YELLOW DOUBLE SOLID
PROP. WHITE AND BLACK DASHED
PROP. WHITE SOLID
PROP. YELLOW SOLID
INDUSTRIAL ℄
+02.22 19.16'
+12.66 167.78'

PHASE 6

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED TRAFFIC CONTROL
(SHEET 44 OF 56)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T058

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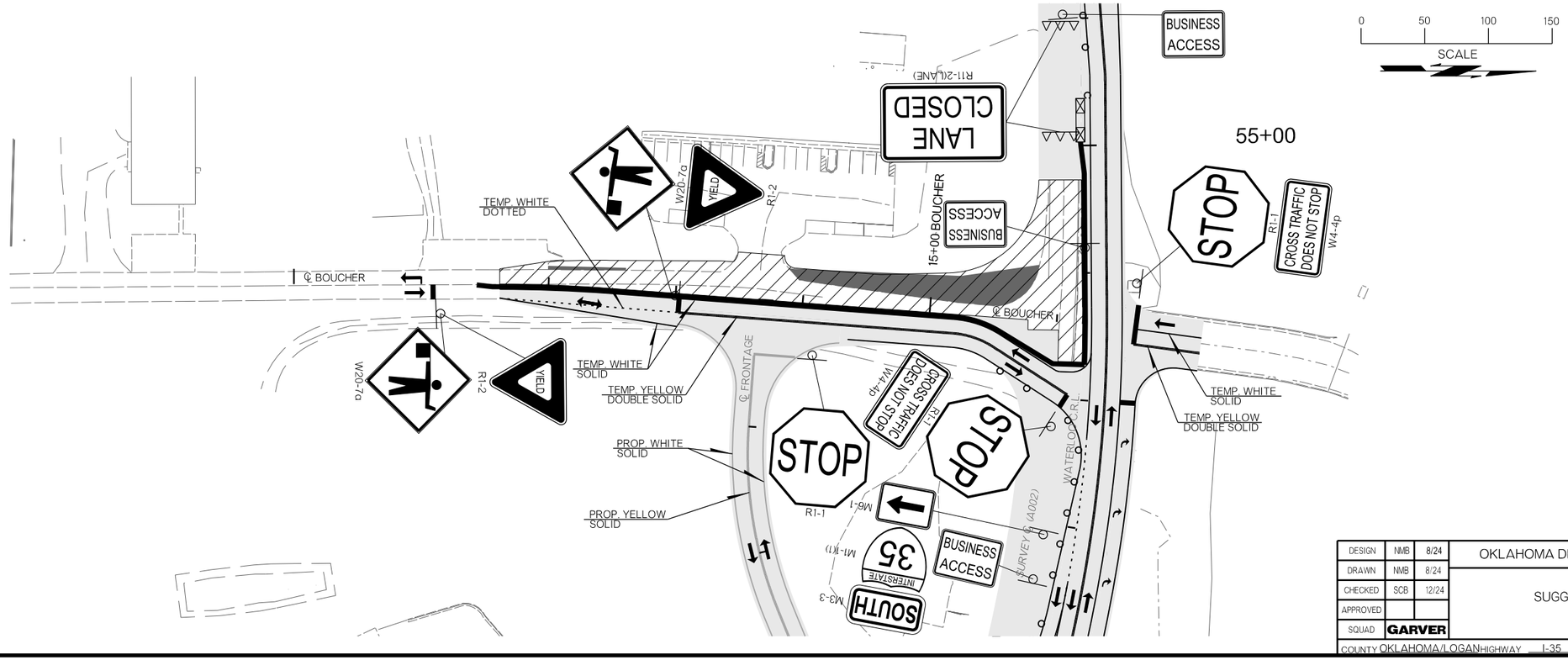
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

LEGEND

SIGNS	TEMPORARY UNDER CONSTRUCTION
CHANNELIZERS	PERMANENT UNDER CONSTRUCTION
DRUMS	COMPLETED CONSTRUCTION
GLARE SCREEN	COMPLETED TEMPORARY
IMPACT ATTENUATORS	DIRECTION OF TRAFFIC
PORTABLE LONGITUDINAL BARRIER (P.L.B.)	TYPE III BARRICADE



PHASE 6

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED TRAFFIC CONTROL
(SHEET 45 OF 56)

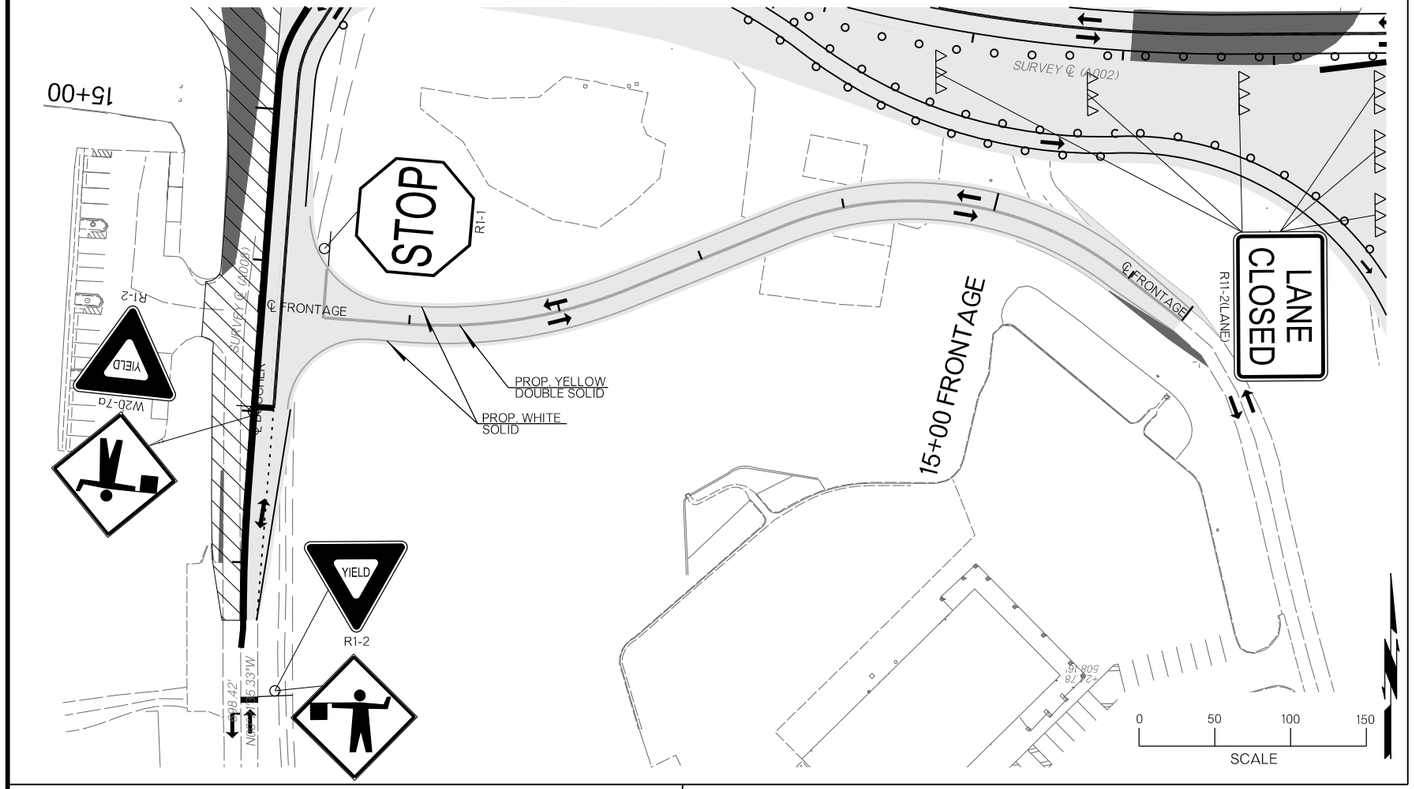
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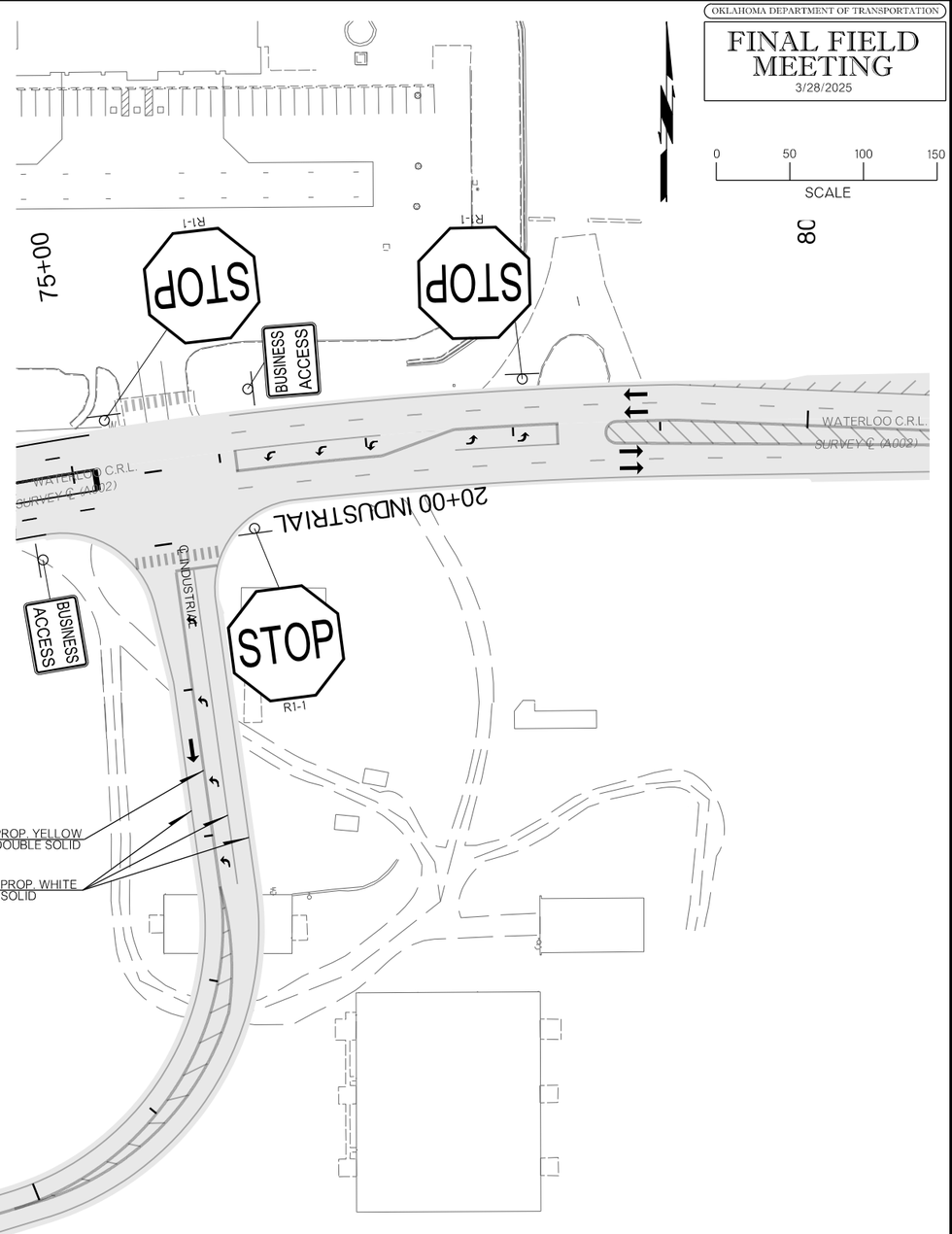
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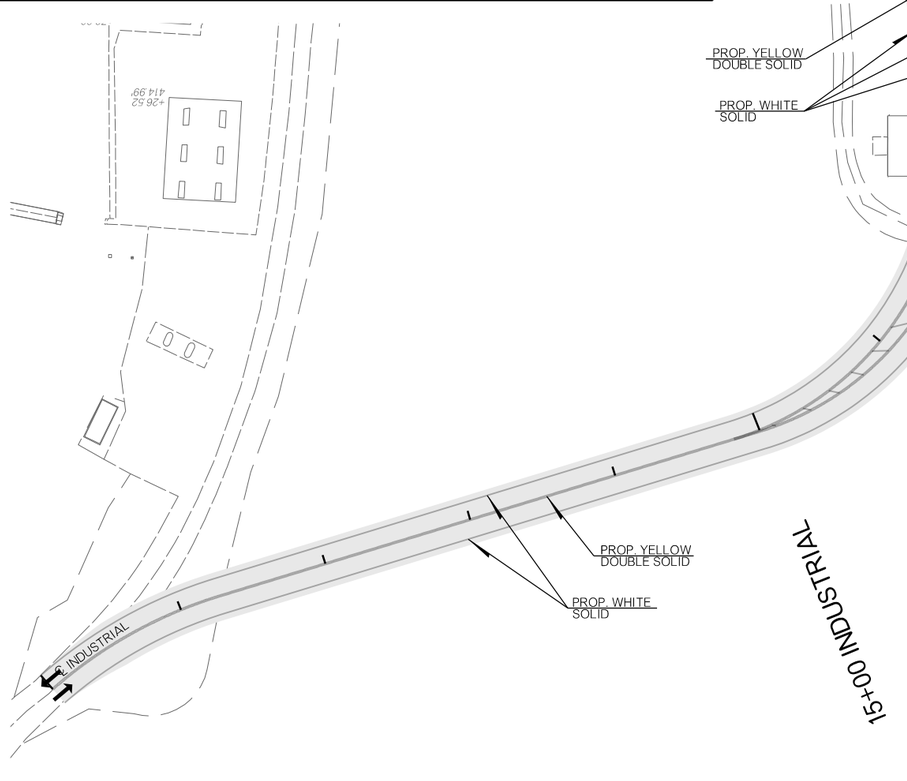
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025







LEGEND

- SIGNS
- CHANNELIZERS
- DRUMS
- GLARE SCREEN
- IMPACT ATTENUATORS
- PORTABLE LONGITUDINAL BARRIER (P.L.B.)
- TEMPORARY UNDER CONSTRUCTION
- PERMANENT UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- COMPLETED TEMPORARY
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE

PHASE 6

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED TRAFFIC CONTROL
(SHEET 46 OF 56)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T060

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

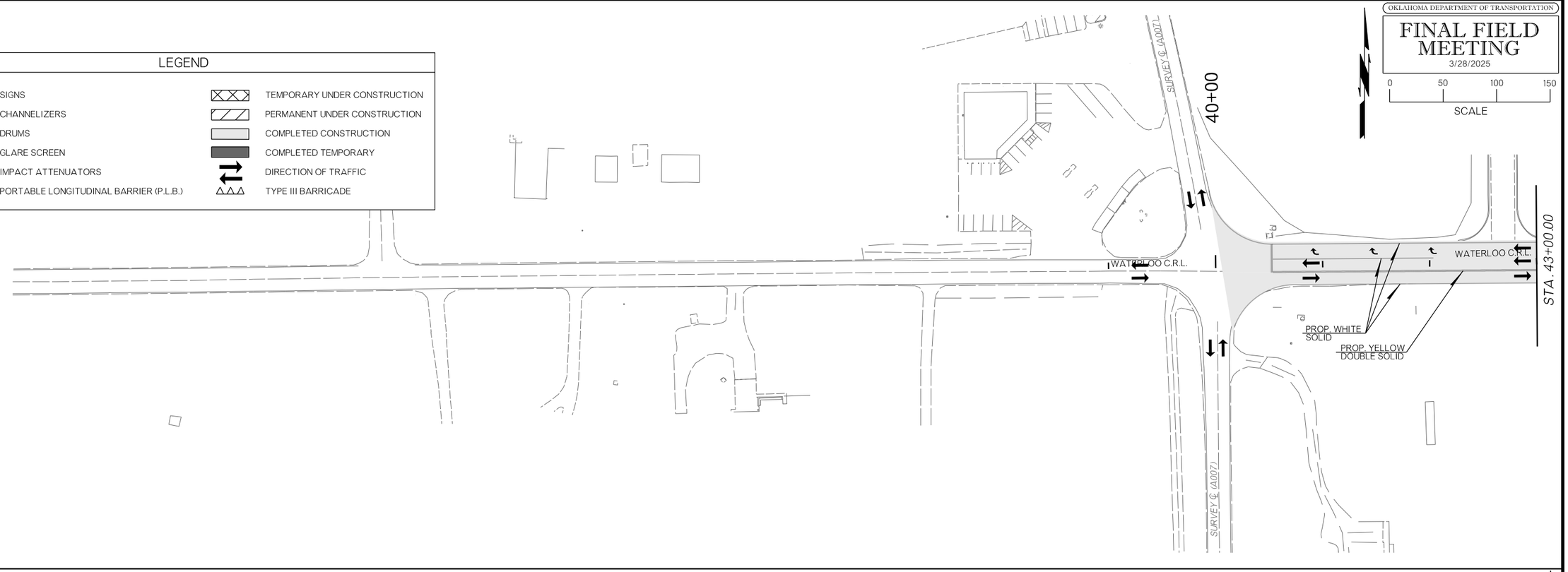
3/28/2025

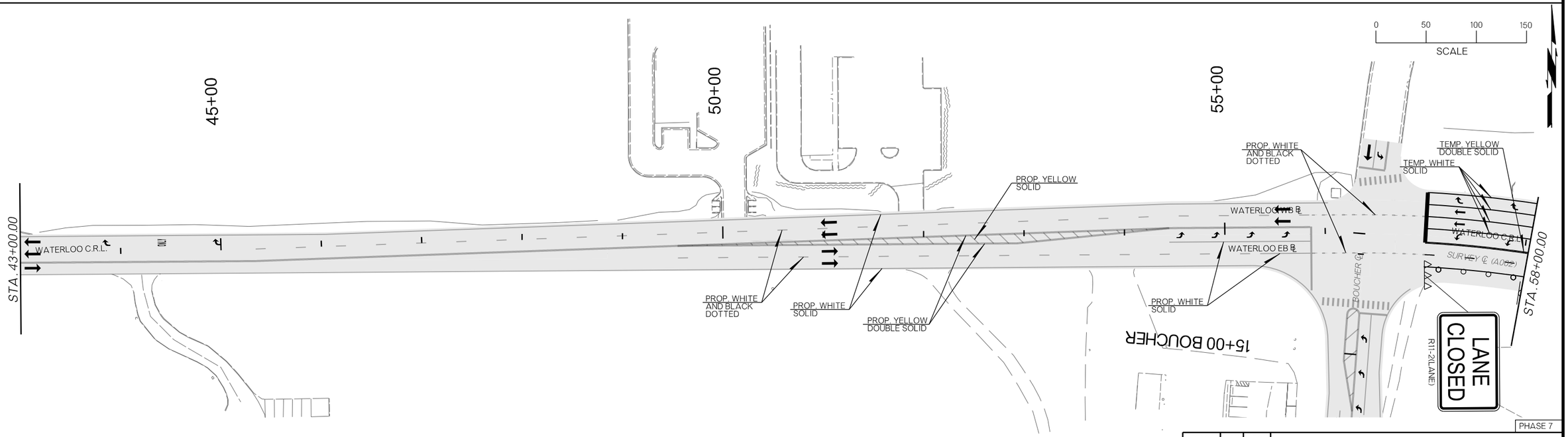
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SCALE

LEGEND

SIGNS	TEMPORARY UNDER CONSTRUCTION
CHANNELIZERS	PERMANENT UNDER CONSTRUCTION
DRUMS	COMPLETED CONSTRUCTION
GLARE SCREEN	COMPLETED TEMPORARY
IMPACT ATTENUATORS	DIRECTION OF TRAFFIC
PORTABLE LONGITUDINAL BARRIER (P.L.B.)	TYPE III BARRICADE





PHASE 7

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED TRAFFIC CONTROL
(SHEET 47 OF 56)

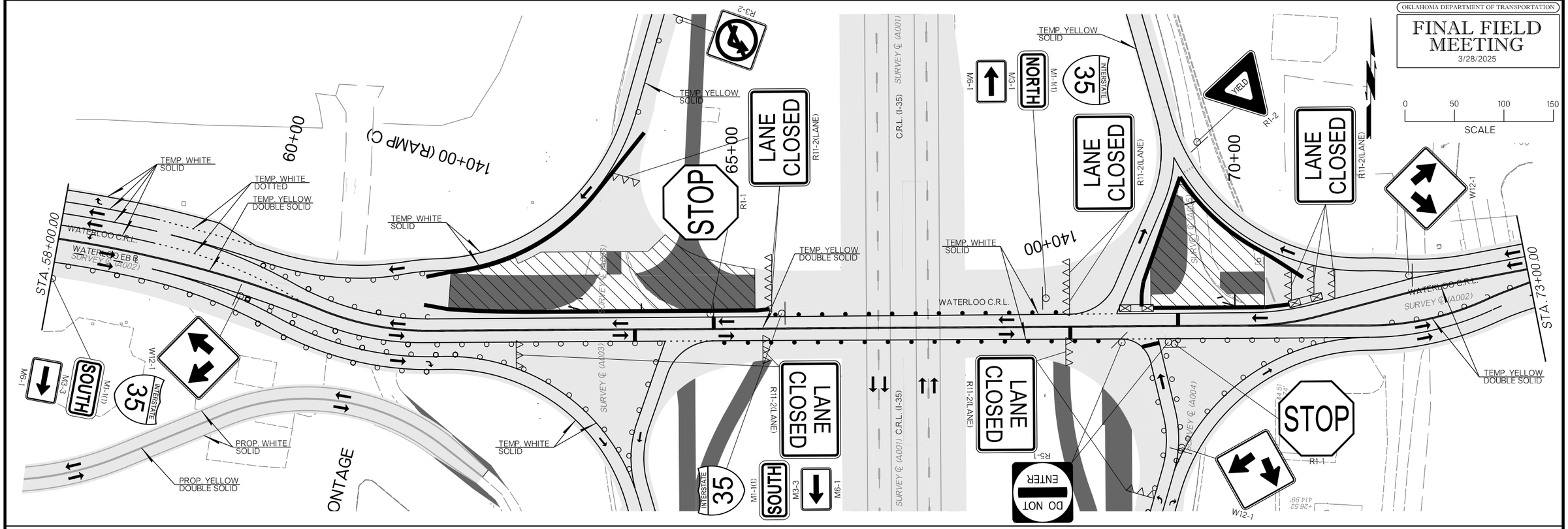
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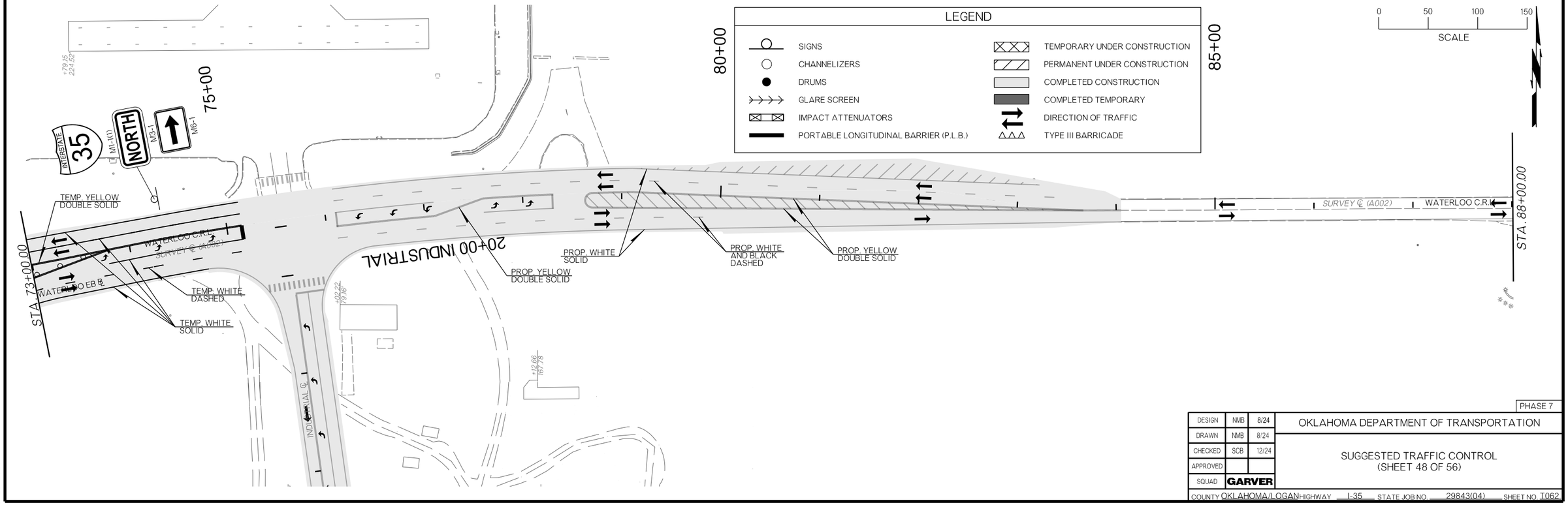
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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025





PHASE 7

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED TRAFFIC CONTROL
(SHEET 48 OF 56)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T062

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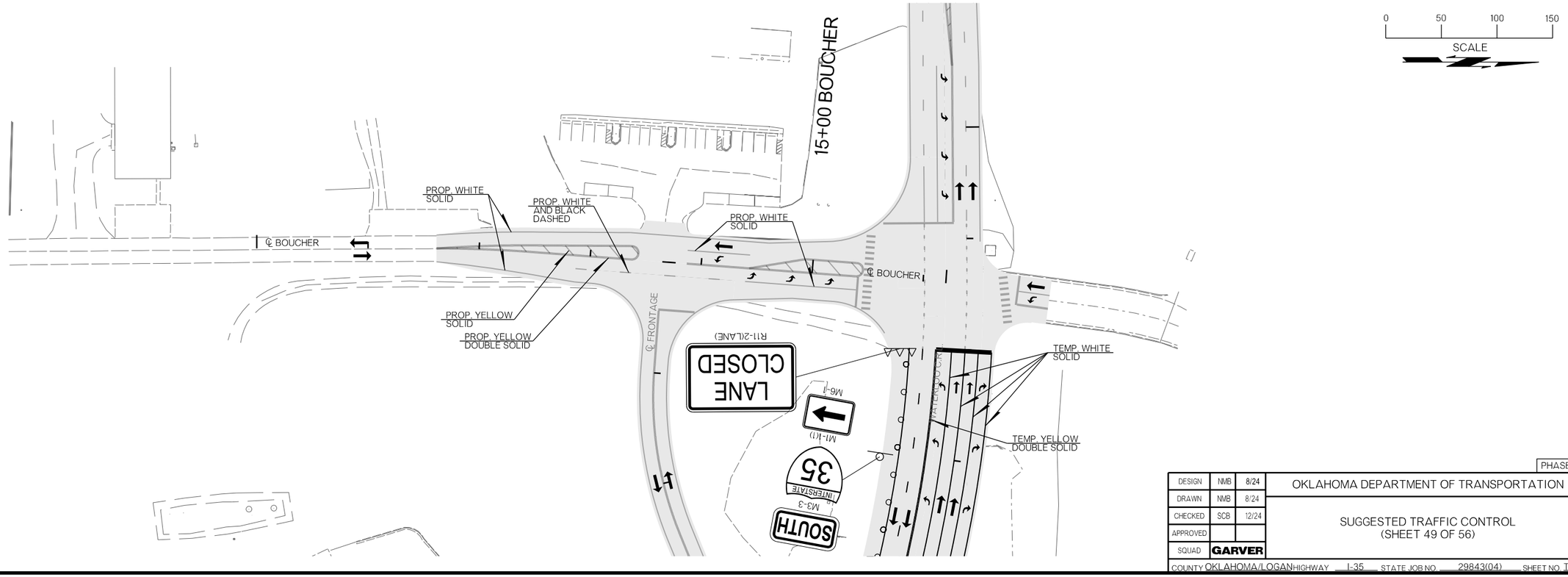
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

LEGEND

SIGNS	TEMPORARY UNDER CONSTRUCTION
CHANNELIZERS	PERMANENT UNDER CONSTRUCTION
DRUMS	COMPLETED CONSTRUCTION
GLARE SCREEN	COMPLETED TEMPORARY
IMPACT ATTENUATORS	DIRECTION OF TRAFFIC
PORTABLE LONGITUDINAL BARRIER (P.L.B.)	TYPE III BARRICADE



PHASE 7

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED TRAFFIC CONTROL
(SHEET 49 OF 56)

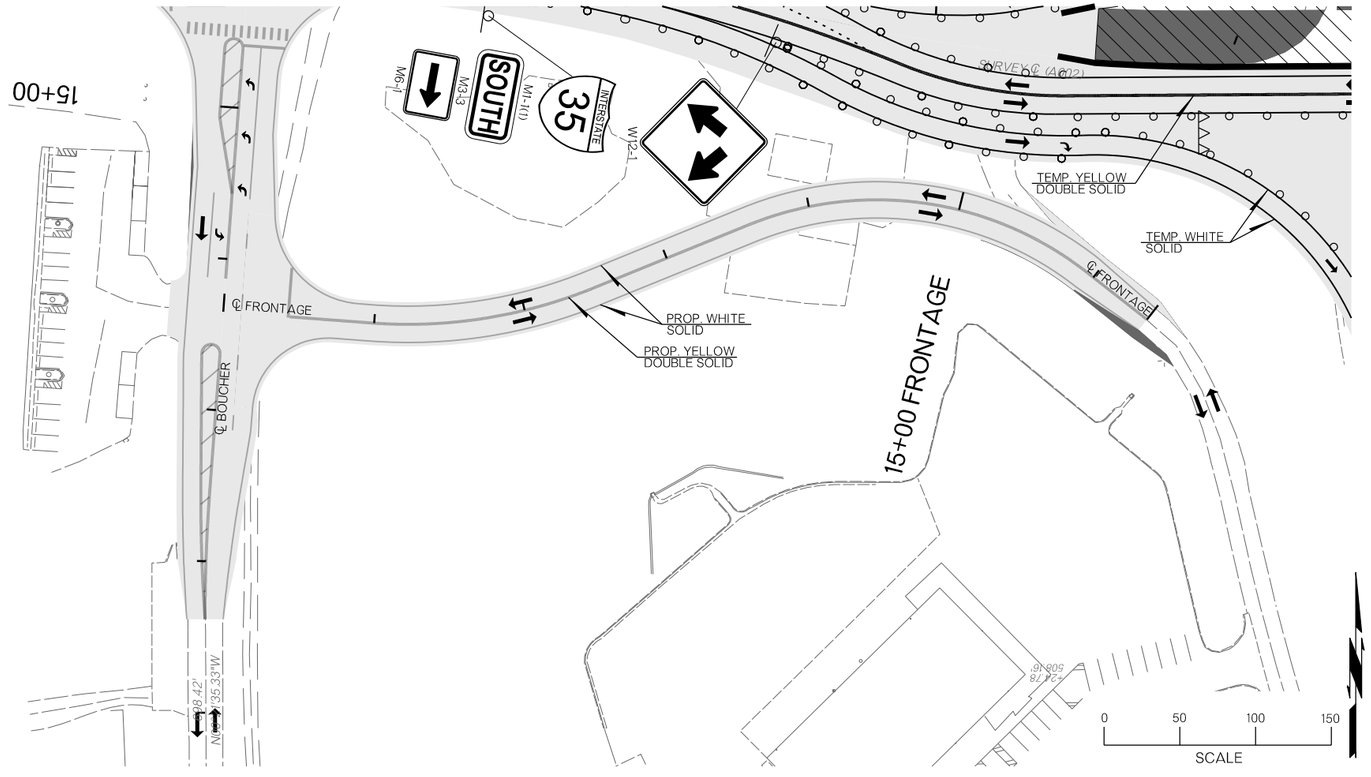
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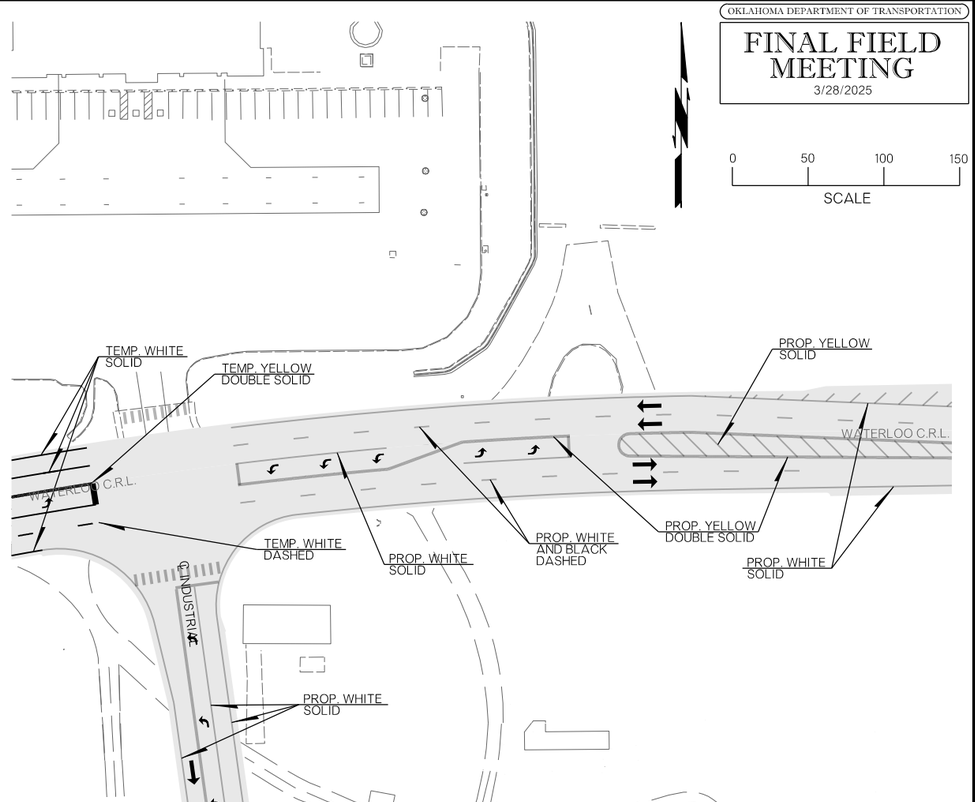
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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025





LEGEND

- SIGNS
- CHANNELIZERS
- DRUMS
- GLARE SCREEN
- IMPACT ATTENUATORS
- PORTABLE LONGITUDINAL BARRIER (P.L.B.)
- TEMPORARY UNDER CONSTRUCTION
- PERMANENT UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- COMPLETED TEMPORARY
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE

PHASE 7

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED TRAFFIC CONTROL
(SHEET 50 OF 56)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T064

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

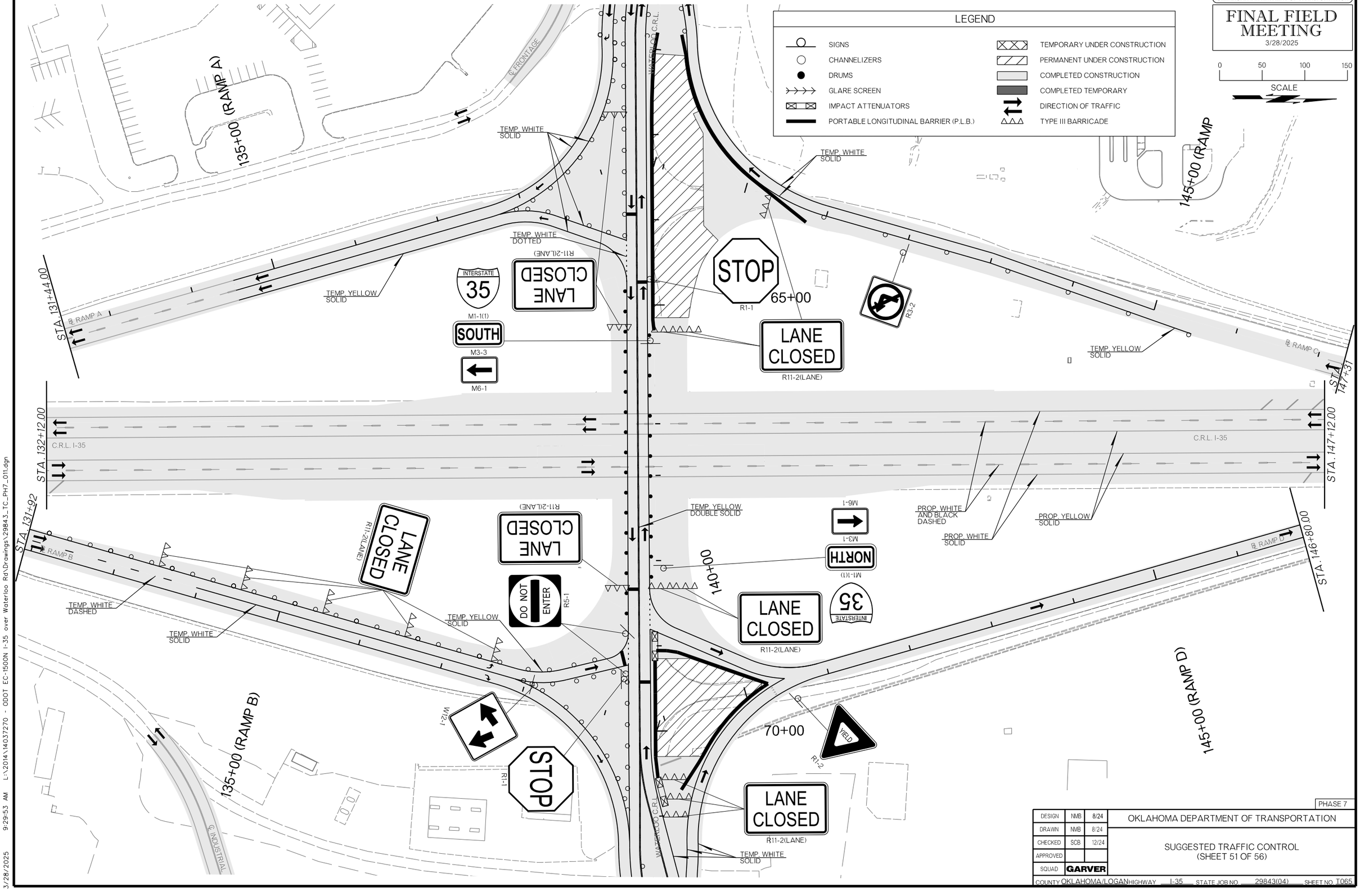
3/28/2025

LEGEND

SIGNS	TEMPORARY UNDER CONSTRUCTION
CHANNELIZERS	PERMANENT UNDER CONSTRUCTION
DRUMS	COMPLETED CONSTRUCTION
GLARE SCREEN	COMPLETED TEMPORARY
IMPACT ATTENUATORS	DIRECTION OF TRAFFIC
PORTABLE LONGITUDINAL BARRIER (P.L.B.)	TYPE III BARRICADE

0 50 100 150

SCALE



PHASE 7

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED TRAFFIC CONTROL
(SHEET 51 OF 56)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T065

3/28/2025 9:29:53 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_TC_PH7_011.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

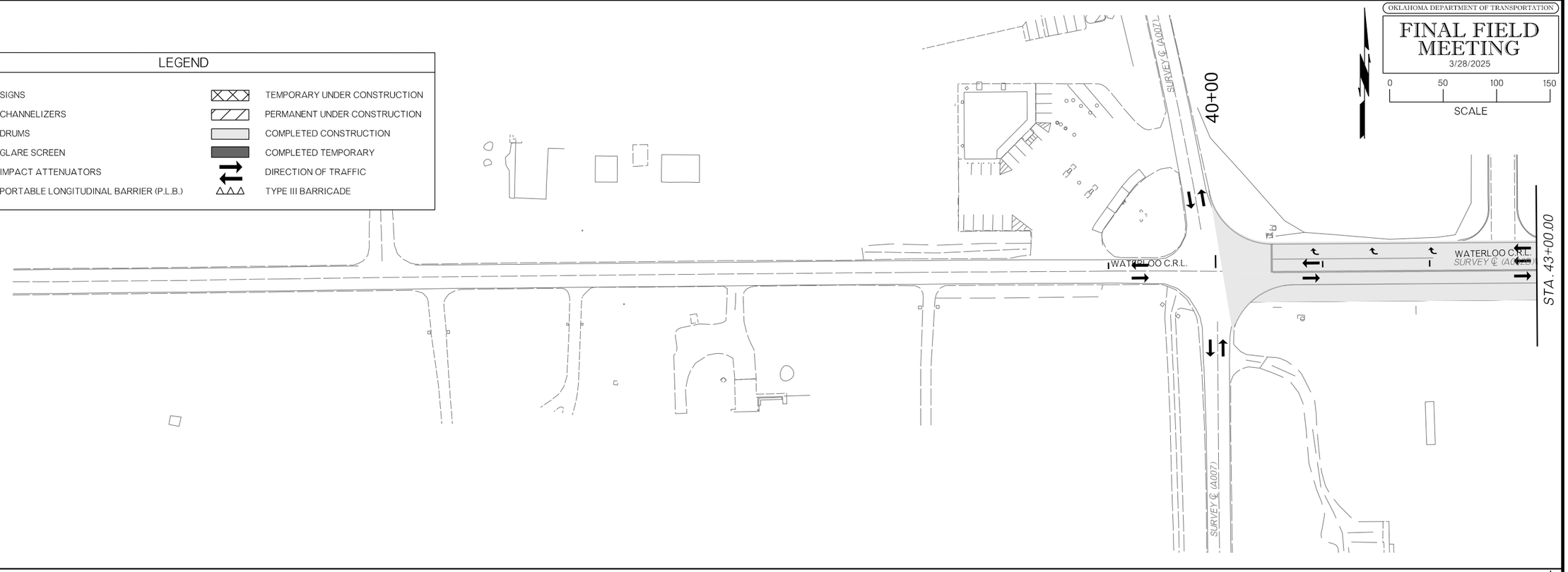
3/28/2025

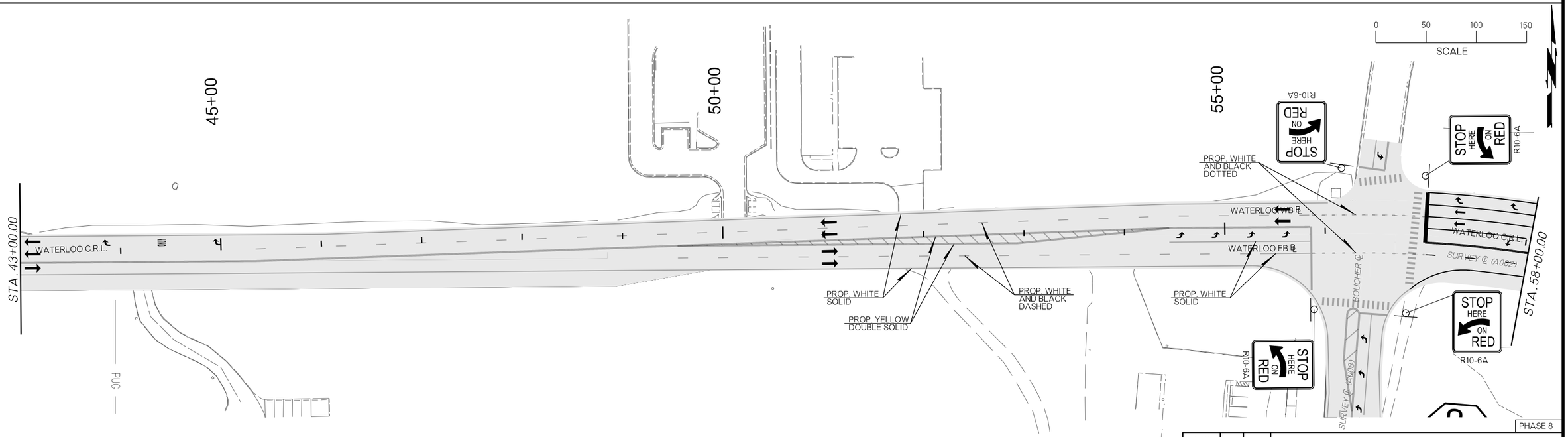
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SCALE

LEGEND

SIGNS	TEMPORARY UNDER CONSTRUCTION
CHANNELIZERS	PERMANENT UNDER CONSTRUCTION
DRUMS	COMPLETED CONSTRUCTION
GLARE SCREEN	COMPLETED TEMPORARY
IMPACT ATTENUATORS	DIRECTION OF TRAFFIC
PORTABLE LONGITUDINAL BARRIER (P.L.B.)	TYPE III BARRICADE





DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED TRAFFIC CONTROL
(SHEET 52 OF 56)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T066

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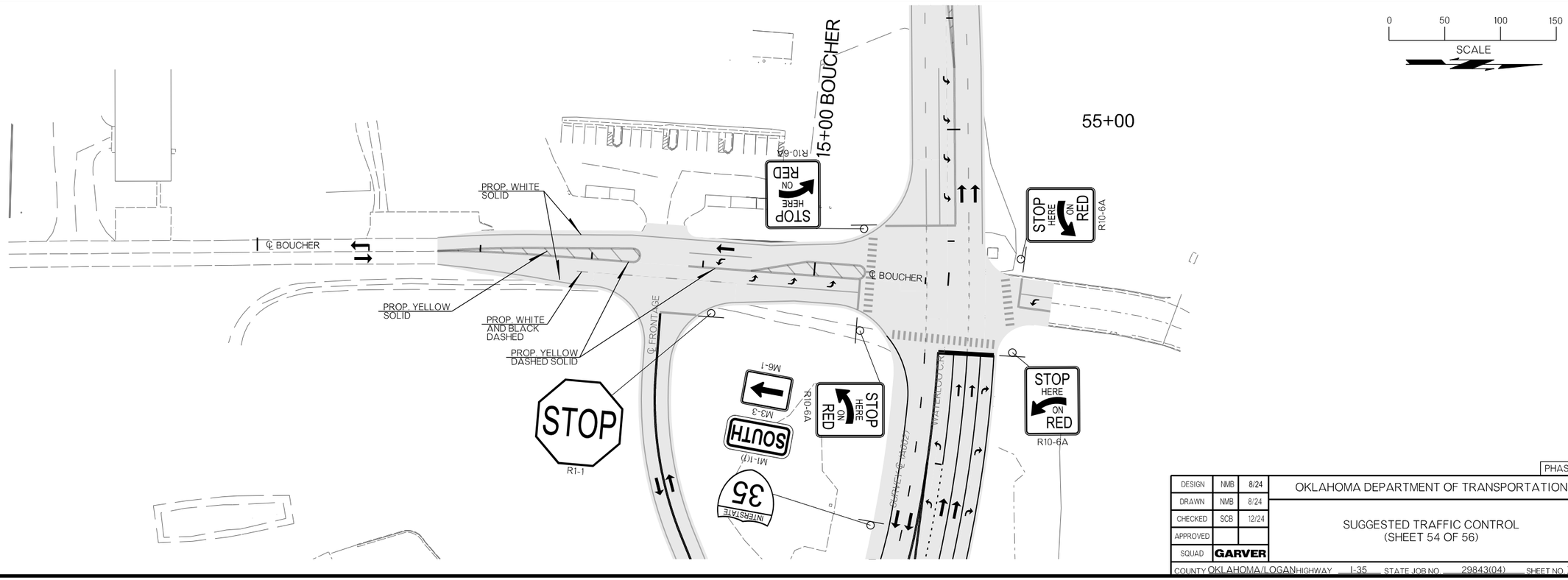
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

LEGEND

SIGNS	TEMPORARY UNDER CONSTRUCTION
CHANNELIZERS	PERMANENT UNDER CONSTRUCTION
DRUMS	COMPLETED CONSTRUCTION
GLARE SCREEN	COMPLETED TEMPORARY
IMPACT ATTENUATORS	DIRECTION OF TRAFFIC
PORTABLE LONGITUDINAL BARRIER (P.L.B.)	TYPE III BARRICADE



PHASE 8

DESIGN	NMB	8/24	OKLAHOMA DEPARTMENT OF TRANSPORTATION
DRAWN	NMB	8/24	
CHECKED	SCB	12/24	SUGGESTED TRAFFIC CONTROL (SHEET 54 OF 56)
APPROVED			
SQUAD	GARVER		

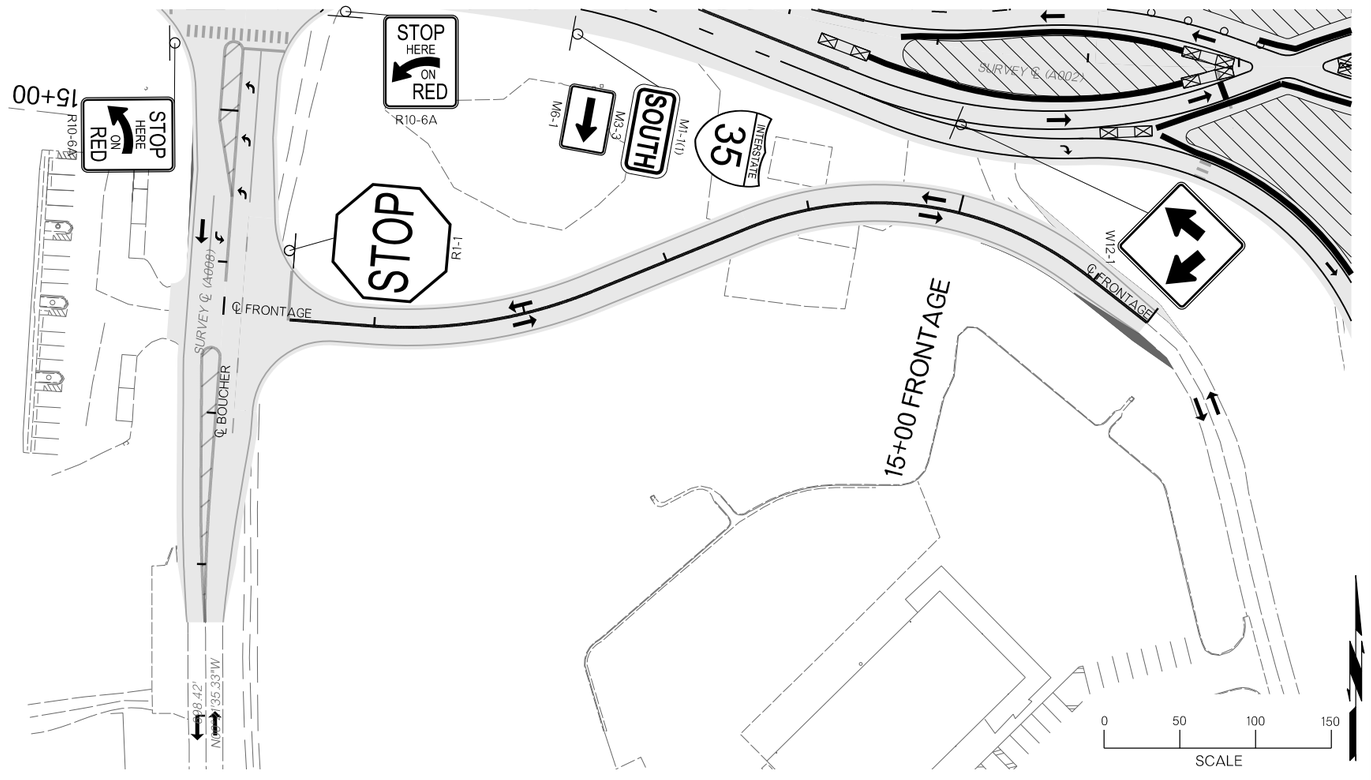
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T068

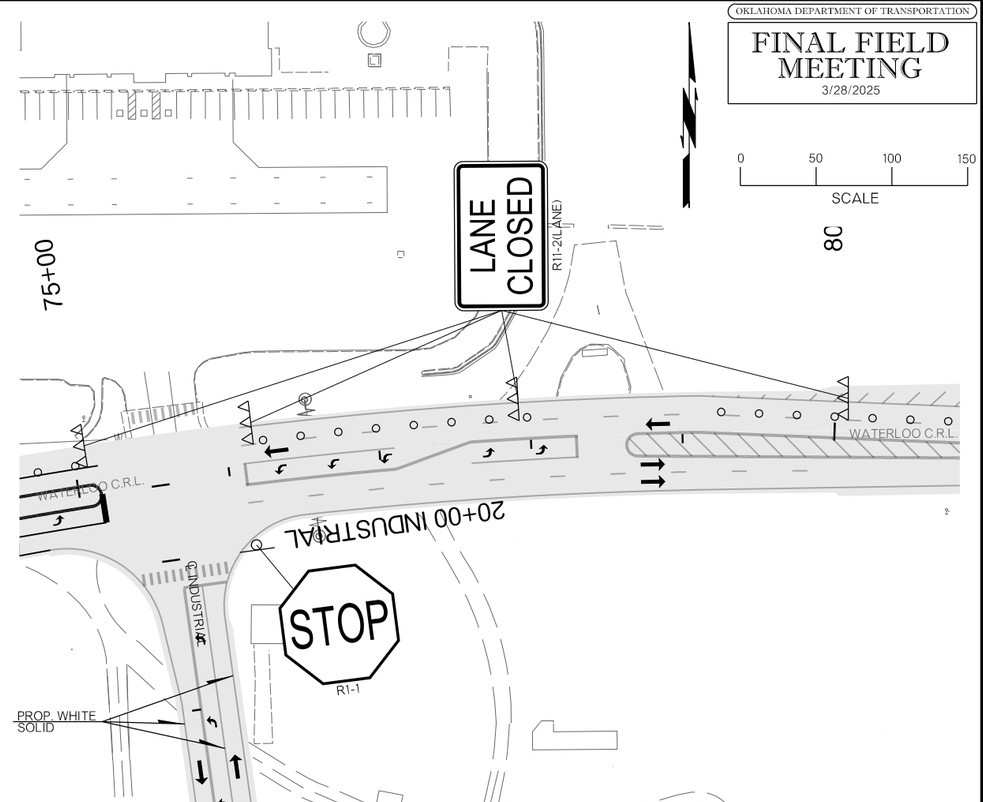
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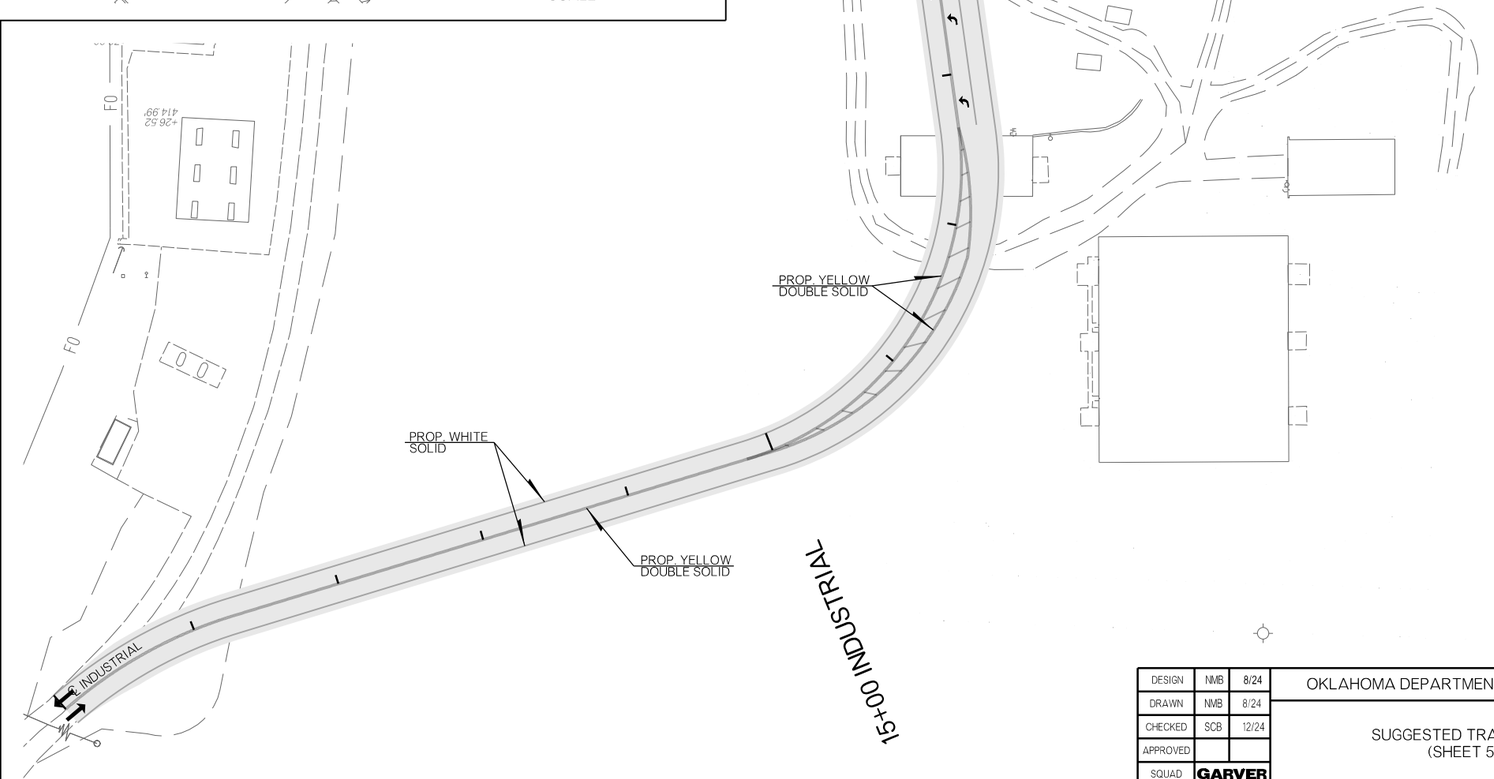
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025







LEGEND

- SIGNS
- CHANNELIZERS
- DRUMS
- GLARE SCREEN
- IMPACT ATTENUATORS
- PORTABLE LONGITUDINAL BARRIER (P.L.B.)
- TEMPORARY UNDER CONSTRUCTION
- PERMANENT UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- COMPLETED TEMPORARY
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE

PHASE 8

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED TRAFFIC CONTROL
(SHEET 55 OF 56)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T069

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 50 100 150

SCALE

LEGEND

- SIGNS
- CHANNELIZERS
- DRUMS
- GLARE SCREEN
- IMPACT ATTENUATORS
- PORTABLE LONGITUDINAL BARRIER (P.L.B.)
- TEMPORARY UNDER CONSTRUCTION
- PERMANENT UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- COMPLETED TEMPORARY
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE

135+00 (RAMP A)

℄ FRONTAGE

WATERLOO C.R.L.

DO NOT ENTER R5-1

R1-2 YIELD

KEEP RIGHT R4-7A

W12-1

145+00 (RAMP

R4-7A KEEP LEFT

R1-2

65+00

INTERSTATE 35 M1-1(1)

SOUTH M3-3

M6-1

R11-2(LANE) LANE CLOSED

140+00

YIELD R1-2

LANE CLOSED R11-2(LANE)

145+00

℄ RAMP C

STA. 131+44.00

℄ RAMP A

135+00

PROP. WHITE SOLID

PROP. WHITE AND BLACK DASHED

PROP. YELLOW SOLID

STA. 147+31

STA. 132+12.00

C.R.L. I-35

C.R.L. I-35

STA. 147+12.00

STA. 131+92

℄ RAMP B

M6-1

M3-1

NORTH M1-1(1)

INTERSTATE 35

W12-1

140+00

KEEP LEFT R4-7A

YIELD R1-2

SURVEY ℄ (A004)

SURVEY ℄ (A025)

70+00

145+00 (RAMP D)

135+00 (RAMP B)

℄ INDUSTRIAL

14.51
83.74'

R1-2 YIELD

R4-7A KEEP RIGHT

R5-1 DO NOT ENTER

WATERLOO C.R.L.

℄ RAMP D

STA. 146+80.00

PHASE 8

DESIGN	NMB	8/24
DRAWN	NMB	8/24
CHECKED	SCB	12/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SUGGESTED TRAFFIC CONTROL
(SHEET 56 OF 56)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T070

3/28/2025 9:30:08 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_TC_PH8_011.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

TABLE #1 SIGNAL HEADS

SIGNAL HEAD NUMBER	NUMBER & TYPE	MOUNTING	VISOR	BACKPLATE
1, 5, 8, & 11	4 - ONE WAY (S-13)L	MAST ARM	V-1	B-2
2, 3, 4, 6,7, 9, 10, 12, &13	9 - ONEWAY (S-6)	MAST ARM	V-1	B-2
14 - 19	6 - ONEWAY (S-20)	CLAMP	N/A	N/A

TABLE #2 MAST ARMS AND POLES

POLE	STATION	OFFSET	POLE TYPE	MAST ARM	FOOTING	SIGNAL HEAD SPACING (FROM ℄ OF POLE)
B	56+87	64' LT	32' MH POLE	40' T.S. & 10' LMA	S-40	7,17,22,26,30,33,38
C	57+22	55' RT	32' MH POLE	55' T.S. & 10' LMA	S-55	18,29,34,41,45,49,53
D	55+83	92' RT	32' MH POLE	50' T.S. & 10' LMA	S-55	10,25,31,35,39,44,47
E	56+02	41' LT	32' MH POLE	40' T.S. & 10' LMA	S-40	7,12,20,24,29,33,36
F	56+96	55' LT	10' PED. POLE		P-3	-
G	56+89	69' RT	10' PED. POLE		P-3	-
H	56+81	77' RT	10' PED. POLE		P-3	-
I	55+78	70' RT	10' PED. POLE		P-3	-
J	56+20	55' LT.	10' PED. POLE		P-3	-

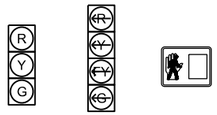
TABLE #3 ELECTRICAL CABLE TO CONTROLLER "A" LOCATION

B - 21C/5C/VC/OC	C - 15C/5C/VC/OC
D - 15C/5C/VC/OC	E - 15C/5C/VC/OC

CABLE TERMINAL IDENTIFICATION CODE

EXAMPLE: B - 12C
(B) IGNAL POLE LOCATION
(12C) TWELVE CONDUCTOR CABLE

SIGNAL HEADS DIAGRAM



TRAFFIC SIGNAL LEGEND

PROPOSED

- TRAFFIC SIGNAL CONTROLLER
- 1" ELEC. CONDUIT
- 2" ELEC. CONDUIT
- 3" ELEC. CONDUIT
- TYPE I PULL BOX
- TYPE II PULL BOX
- VEHICULAR SIGNAL HEAD WITH BACKPLATE
- PEDESTRIAN SIGNAL HEAD
- VIDEO DETECTOR
- OPTICAL DETECTOR SYMBOL
- PEDESTRIAN PUSH BUTTON
- MAST ARM MOUNTED SIGN
- PEDESTAL POLE
- SERVICE POLE
- MAST ARM WITH POLE AND LUMINAIRE
- SIGNAL HEAD NUMBER (SEE TABLE #1)
- VIDEO DETECTION AREA
- VIDEO DETECTION AREA

TABLE #4 6'X6' VIRTUAL LOOPS

SPEED (MPH)	DISTANCE (FEET)
20 TO 25	100
30 TO 35	180
40 TO 45	273
50 TO 55	386

DESIGN	AS	3/25
DRAWN	VA	3/25
CHECKED	NDT	3/25
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SIGNAL PLAN
(WATERLOO RD. AT BOUCHER DR.)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T071

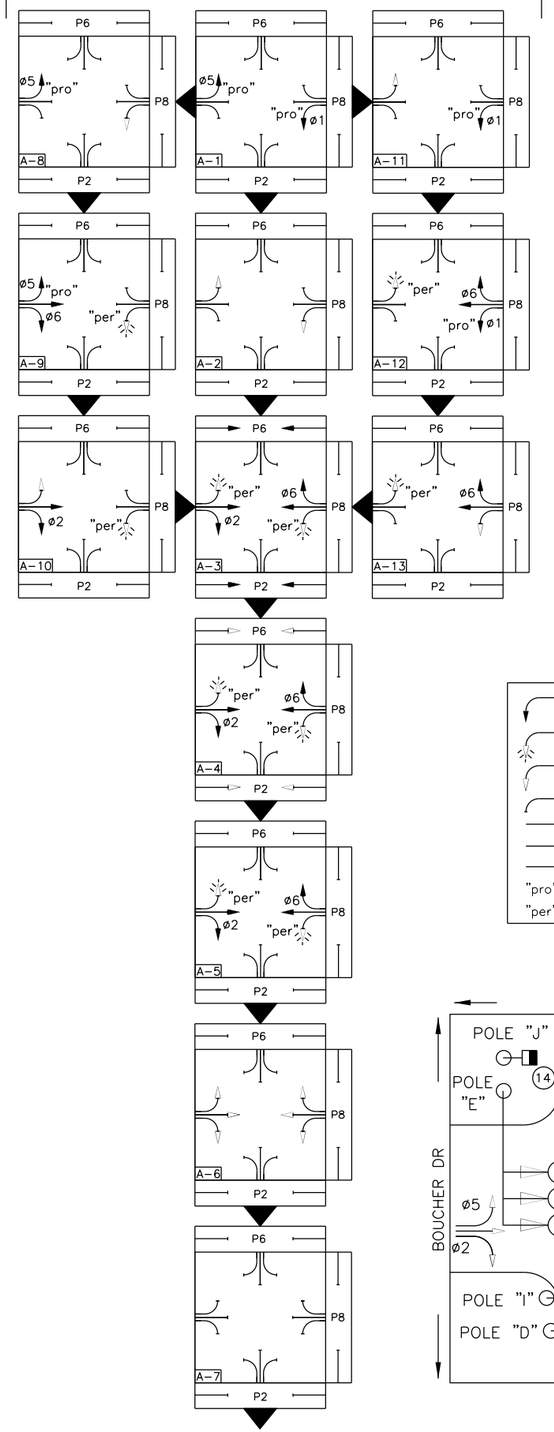
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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

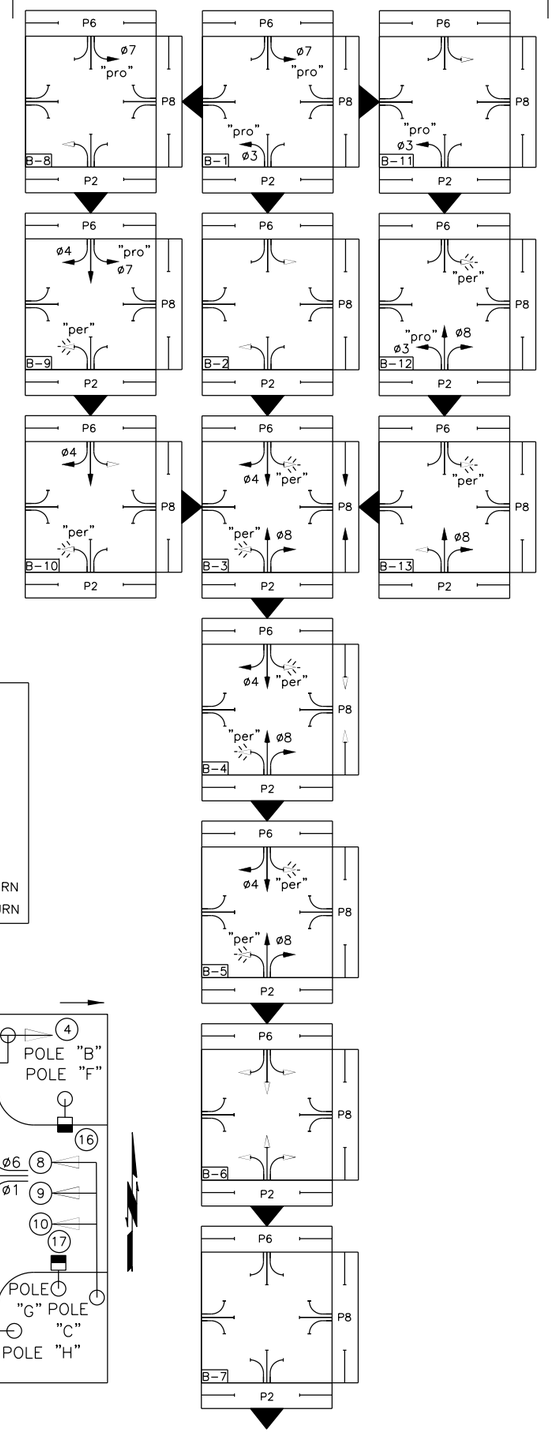
3/28/2025

PHASE DIAGRAM



TO BLOCK A-1, A-9, A-12,
B-1, B-3, B-5, B-9 OR B-12

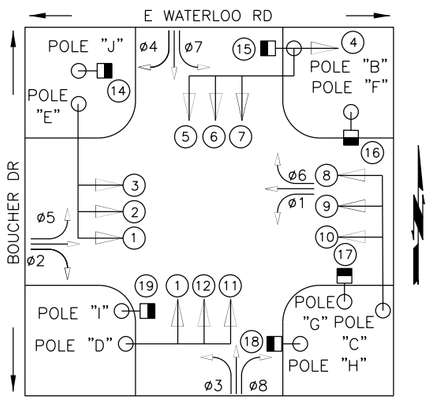
PHASE DIAGRAM



TO BLOCK A-1, A-3, A-5, A-9, A-12,
B-1, B-9 OR B-12

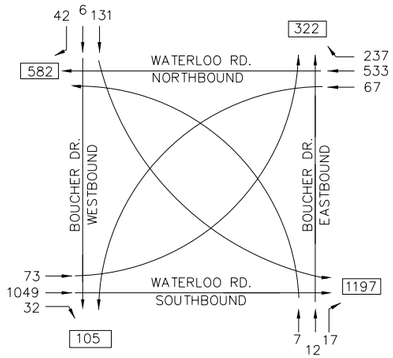
LEGEND

	RIGHT OF WAY
	FLASHING
	CLEAR
	STOP
→	RIGHT OF WAY
⇨	CLEAR
	STOP
"pro"	PROTECTED LEFT TURN
"per"	PERMISSIVE LEFT TURN

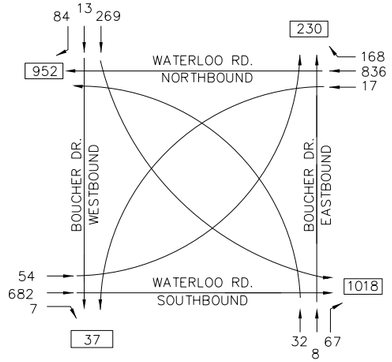


SEQUENCE

BLOCK NO.	PHASE DESIGNATION	SIGNAL HEAD NO. 1	2,3,&4	5	6&7	8	9&10	11	12&13	14&15	16&17	18&19
A1	Ø1 & Ø5 ROW	~~G~~	R	~~R~~	R	~~G~~	R	~~R~~	R	DW	DW	DW
A2	Ø1 & Ø5 CLR	~~Y~~	R	~~R~~	R	~~Y~~	R	~~R~~	R	DW	DW	DW
A3	Ø2, Ø6, P2 & P6 ROW	~~FY~~	G	~~R~~	R	~~FY~~	G	~~R~~	R	W	DW	W
A4	Ø2 & Ø6 ROW, P2 & P6 CLR	~~FY~~	G	~~R~~	R	~~FY~~	G	~~R~~	R	FDW	DW	FDW
A5	Ø2 & Ø6 ROW	~~FY~~	G	~~R~~	R	~~FY~~	G	~~R~~	R	DW	DW	DW
A6	Ø2 & Ø6 CLR	~~Y~~	Y	~~R~~	R	~~Y~~	Y	~~R~~	R	DW	DW	DW
A7	ALL RED	~~R~~	R	~~R~~	R	~~R~~	R	~~R~~	R	DW	DW	DW
A8	Ø5 ROW, Ø1 CLR	~~Y~~	R	~~R~~	R	~~G~~	R	~~R~~	R	DW	DW	DW
A9	Ø2 & Ø5 ROW	~~FY~~	R	~~R~~	R	~~G~~	G	~~R~~	R	DW	DW	DW
A10	Ø2 ROW, Ø5 CLR	~~FY~~	R	~~R~~	R	~~Y~~	G	~~R~~	R	DW	DW	DW
A11	Ø1 ROW, Ø5 CLR	~~G~~	R	~~R~~	R	~~Y~~	R	~~R~~	R	DW	DW	DW
A12	Ø1 & Ø6 ROW	~~G~~	G	~~R~~	R	~~FY~~	R	~~R~~	R	DW	DW	DW
A13	Ø6 ROW, Ø1 CLR	~~Y~~	G	~~R~~	R	~~FY~~	R	~~R~~	R	DW	DW	DW
B1	Ø3 & Ø7 ROW	~~R~~	R	~~G~~	R	~~R~~	R	~~G~~	R	DW	DW	DW
B2	Ø3 & Ø7 CLR	~~R~~	R	~~Y~~	R	~~R~~	R	~~Y~~	R	DW	DW	DW
B3	Ø4, Ø8, P8 ROW	~~R~~	R	~~FY~~	G	~~R~~	R	~~FY~~	G	DW	W	DW
B4	Ø4 & Ø8 ROW, P8 CLR	~~R~~	R	~~FY~~	G	~~R~~	R	~~FY~~	G	DW	FDW	DW
B5	Ø4 & Ø8 ROW	~~R~~	R	~~FY~~	G	~~R~~	R	~~FY~~	G	DW	DW	DW
B6	Ø4 & Ø8 CLR	~~R~~	R	~~Y~~	Y	~~R~~	R	~~Y~~	Y	DW	DW	DW
B7	ALL RED	~~R~~	R	~~R~~	R	~~R~~	R	~~R~~	R	DW	DW	DW
B8	Ø7 ROW, Ø3 CLR	~~R~~	R	~~Y~~	R	~~R~~	R	~~G~~	R	DW	DW	DW
B9	Ø4 & Ø7 ROW	~~R~~	R	~~FY~~	R	~~R~~	R	~~G~~	G	DW	DW	DW
B10	Ø4 ROW, Ø7 CLR	~~R~~	R	~~FY~~	R	~~R~~	R	~~Y~~	G	DW	DW	DW
B11	Ø3 ROW, Ø7 CLR	~~R~~	R	~~G~~	R	~~R~~	R	~~Y~~	R	DW	DW	DW
B12	Ø3 & Ø8 ROW	~~R~~	R	~~G~~	G	~~R~~	R	~~FY~~	R	DW	DW	DW
B13	Ø8 ROW, Ø3 CLR	~~R~~	R	~~Y~~	G	~~R~~	R	~~FY~~	R	DW	DW	DW
	FLASHING RED	~~FR~~	FR	~~FR~~	FR	~~FR~~	FR	~~FR~~	FR			



WATERLOO RD/BOUCHER DR
TRAFFIC FLOW DIAGRAM
2025 DESIGN TRAFFIC VOLUMES
AM PEAK



WATERLOO RD/BOUCHER DR
TRAFFIC FLOW DIAGRAM
2025 DESIGN TRAFFIC VOLUMES
PM PEAK

DESIGN	CEM	03/23
DRAWN	ELR	03/23
CHECKED	CEM	03/23
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SIGNAL PHASING
(WATERLOO RD. AT BOUCHER DR.)

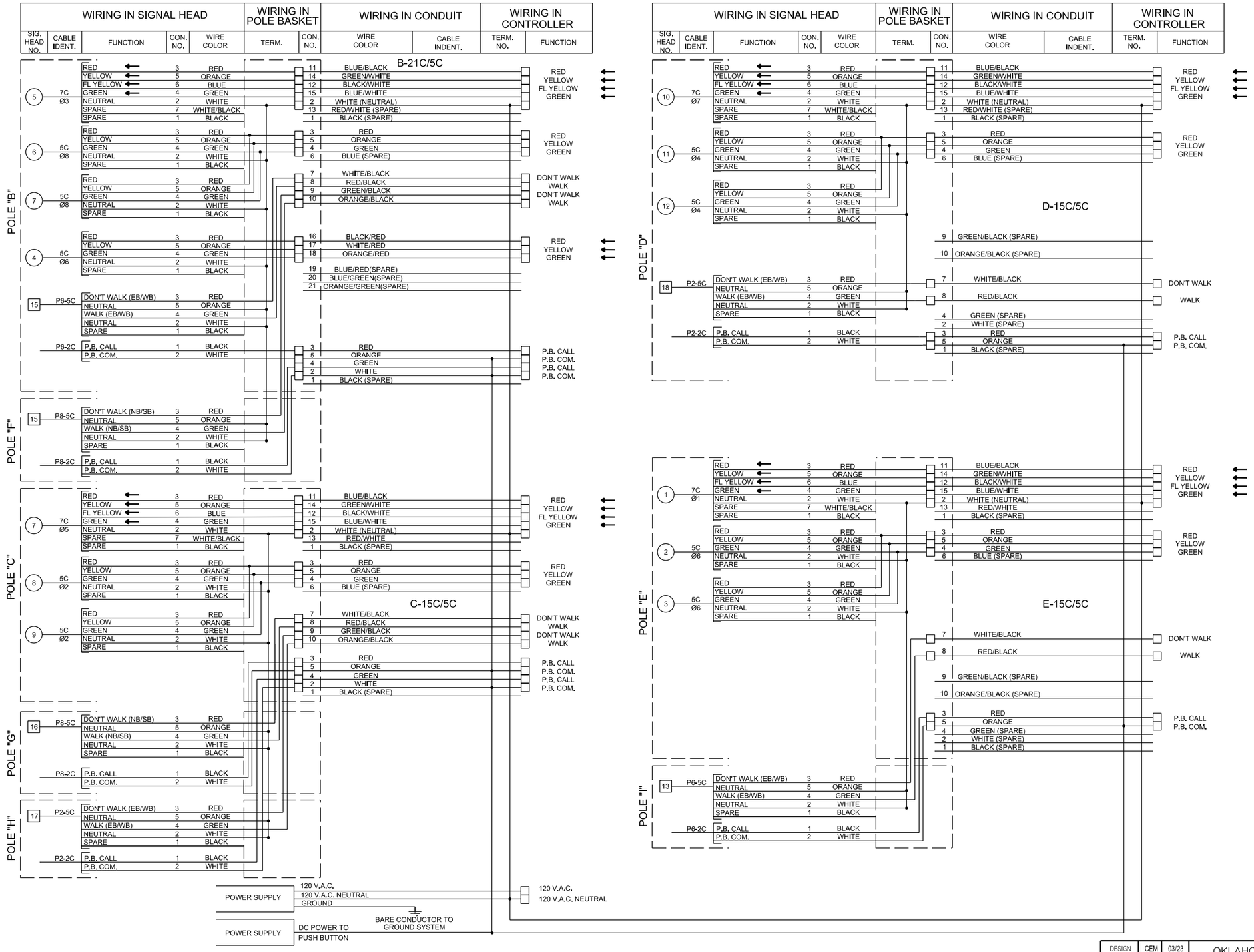
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T072

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025



DESIGN	CEM	03/23	OKLAHOMA DEPARTMENT OF TRANSPORTATION
DRAWN	AS	AS	
CHECKED	NDT	03/23	SIGNAL WIRING DIAGRAM (WATERLOO RD. AT BOUCHER RD.)
APPROVED			
SQUAD	GARVER		

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T073

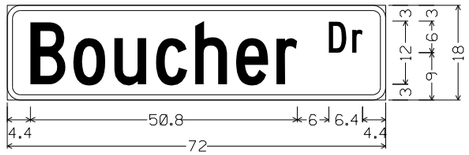
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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025

SIGN NUMBER	NAME
WIDTH X HEIGHT	6'-0" X 1'-6"
BORDER WIDTH	1"
CORNER RADIUS	2.5"
MOUNTING	OVERHEAD
BACKGROUND	TYPE: REFLECTIVE
	COLOR: GREEN
LEGEND/BORDER	TYPE: REFELCTIVE
	COLOR: WHITE

SYMBOL	X	Y	WID	HT



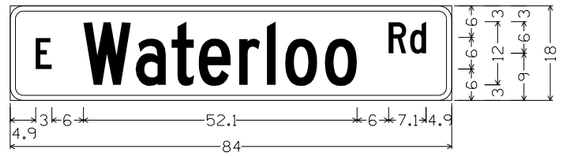
LETTER POSITIONS (X)

LENGTH SERIES/SIZE C6, 12

B	o	u	c	h	e	r	D	r							
4.4	12.6	20.4	28.3	35.7	43.5	51.2	61.2	65.6						63.2	

SIGN NUMBER	NAME
WIDTH X HEIGHT	7'-0" X 1'-6"
BORDER WIDTH	1"
CORNER RADIUS	2.5"
MOUNTING	OVERHEAD
BACKGROUND	TYPE: REFLECTIVE
	COLOR: GREEN
LEGEND/BORDER	TYPE: REFELCTIVE
	COLOR: WHITE

SYMBOL	X	Y	WID	HT



LETTER POSITIONS (X)

LENGTH SERIES/SIZE C6, 12

E	W	a	t	e	l	l	o	o	R	d						
4.9	13.9	23.9	30.7	35.9	43.6	48.8	52.3	59.9	72.0	76.1					74.2	

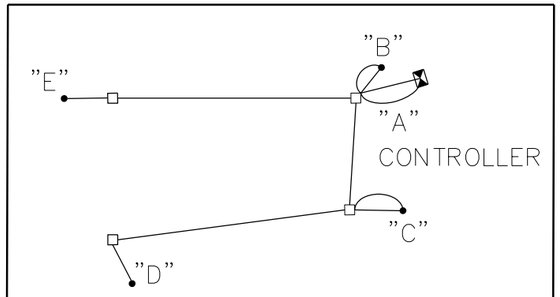


30"X36"
MUTCD R10-12A

SUMMARY OF MAST ARM MOUNTED SIGNS •

MESSAGE	POLE LOCATION	NO. OF SIGNS	WIDTH	HEIGHT	LEGEND	SQ. FT. SIGN AREA	TOTAL AREA SQ. FT.
SH 51 AT 91ST ST							
BOUCHER DR	C,E	2	72"	18"	63.2	9.00	18.00
E WATERLOO RD	B,D	2	84"	18"	74.2	10.50	21.00
R10-12A	B,C,D,E	4	30"	36"		7.50	30.00
						TOTAL	69.00

• TYPE IX REFLECTIVE SHEETING SHALL BE USED



NOTE: STREET LIGHTING WIRING

ONE PAIR EQUALS TWO CONDUCTORS (1/C-10AWG COPPER) ONE BLACK, ONE WHITE. CONDUCTORS SHALL BE SPLICED ONLY AT THE TERMINAL BLOCK AT EACH POLE BASE. A FUSE HOLDER SHALL BE PROVIDED IN THE HANDHOLE OF EACH COMBINATION TRAFFIC SIGNAL AND STREET LIGHT POLE. THE FUSE HOLDER SHALL BE INSTALLED IN THE LINE SIDE CONDUCTOR FOR THE LUMINAIRE. THE FUSE HOLDER SHALL BE A WATERPROOF INLINE FUSE HOLDER. IT SHALL BE SIMILAR TO BUSSMAN MFG. CO. TYPE "TRON" HEB. OR OTHER APPROVED EQUAL. COMPLETE WITH A PROPERLY SIZED TYPE KTK FUSE.

DESIGN	CEM	03/23
DRAWN	ELR	ELR
CHECKED	CEM	03/23
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SIGN AND LIGHTING PLAN
(WATERLOO RD. AT BOUCHER DR.)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T074

3/28/2025 9:30:26 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843(04)_SIG_004.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025

TABLE #1 SIGNAL HEADS

SIGNAL HEAD NUMBER	NUMBER & TYPE	MOUNTING	VISOR	BACKPLATE
4, 5, & 6	3 - ONEWAY (S-10)	MAST ARM	V-1	B-2
1, 2, & 3	3 - ONE WAY (S-9)	MAST ARM	V-1	B-2
7, 8, 9, 10, & 11	5 - ONEWAY (S-11)	MAST ARM	V-1	B-2
12 - 17	6 - ONEWAY (S-20)	CLAM	N/A	N/A

NOTES:
1.VIDEO VEHICLE DETECTION WILL BE PROVIDED FOR THIS INTERSECTION. THE DETECTOR LOOPS SHOWN ON THE PAVEMENT ARE SHOWN ONLY TO DEPICT THE AREAS OF DETECTION FOR THE VIDEO.
2. THE PLACEMENT OF THE PEDESTRIAN PUSH BUTTONS AND SIGNAL HEADS SHALL BE INSTALLED ON THE POLES SUCH THAT THE SIGNAL HEADS ARE VISIBLE FROM THE CROSSWALKS AND THE PUSH BUTTONS ARE UNOBSTRUCTED AND ADJACENT TO A LEVEL, ALL-WEATHER SURFACE TO PROVIDE ACCESS FROM A WHEELCHAIR. THE PUSH BUTTONS ARE TO BE MOUNTED ON THE SIDE OF THE POLE CLOSEST TO THE CORRESPONDING CROSSWALK.

TABLE #3 ELECTRICAL CABLE TO CONTROLLER "A" LOCATION

B - 15C/VC/OC	C - 15C/5C/VC/OC	D - 7C/5C	E - 7C/5C
F - 7C	G - 15C/VC/OC	H - 15C/5C/VC/OC	

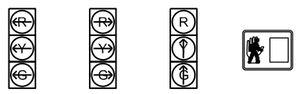
CABLE TERMINAL IDENTIFICATION CODE

EXAMPLE: B - 12C
(B) SIGNAL POLE LOCATION
(12C) TWELVE CONDUCTOR CABLE

65+00

EXISTING ROW
I-35 SB OFF RAMP (40MPH)
TYPE I PULL BOX
2" PVC TRENCHED
POLE "I" (10' HT) STA. 62+75, 80' RT.
SERVICE POLE TO PROVIDE OVERHEAD SERVICE TO SIGNAL LOCATION TO BE DETERMINED
1" CONDUIT FOR SERVICE
CONTROLLER A
4-3" PVC TRENCHED
TYPE II PULL BOX
2-3" PVC TRENCHED
2" PVC TRENCHED
3" PVC BORED
TYPE I PULL BOX
2" PVC TRENCHED
POLE "H" (32' HT) STA. 62+90, 49' RT.
2" PVC TRENCHED
3" PVC BORED
3" PVC TRENCHED
TYPE I PULL BOX
POLE "C" (32' HT) STA. 63+93, 45' LT.
TYPE I PULL BOX
TYPE II PULL BOX
2-3" PVC TRENCHED
POLE "B" (32' HT) STA. 64+81, 54' LT.
R10-17a
R3-5a
R3-5a
SPECIAL SIGN 1
WATERLOO RD (45MPH)
POLE "G" (32' HT) STA. 62+15, 10' RT.
2" PVC TRENCHED
3" PVC BORED
TYPE I PULL BOX
POLE "D" (10' HT) STA. 63+92, 00' LT.
TYPE I PULL BOX
6'X30' VIRTUAL LOOP (TYPICAL AT STOP BAR LOCATIONS)
WATERLOO RD (45MPH)
OLD
TYPE I PULL BOX
2" PVC TRENCHED
2" PVC TRENCHED
3" PVC BORED
POLE "F" (15' HT) STA. 62+89, 49' RT.
TYPE I PULL BOX
2" PVC TRENCHED
POLE "E" (10' HT) STA. 63+84, 41' RT.
EXISTING ROW
I-35 SB ON RAMP
MATCHLINE A

SIGNAL HEADS DIAGRAM



(S-9) (12" LENS) (S-10) (12" LENS) (S-11) (12" LENS) (S-20) (ICC)

TABLE #2 MAST ARMS AND POLES

POLE	STATION	OFFSET	POLE TYPE	MAST ARM	FOOTING	SIGNAL HEAD SPACING (FROM ℄ OF POLE)
B	64+81	54' LT	32' MH POLE	35' T.S. & 10' LMA	S-40	20,23,26,28,31
C	63+93	45' LT	32' MH POLE	30' T.S. & 10' LMA	S-40	12,15,18,22,25,28
D	63+92	00' LT	10' PED. POLE	-	P-3	-
E	63+84	41' RT	10' PED. POLE	-	P-3	-
F	62+89	49' RT	15' PED. POLE	-	P-4	-
G	62+15	10' LT	32' MH POLE	30' T.S. & 10' LMA	S-40	20,22,25,27,30
H	62+90	49' LT	32' MH POLE	40' T.S. & 10' LMA	S-40	20,23,27,30,34,37
I	62+75	80' LT	10' PED. POLE	-	P-3	-

0 20 40 60
SCALE

TRAFFIC SIGNAL LEGEND

PROPOSED

- TRAFFIC SIGNAL CONTROLLER
- 1" ELEC. CONDUIT
- 2" ELEC. CONDUIT
- 3" ELEC. CONDUIT
- TYPE I PULL BOX
- TYPE II PULL BOX
- VEHICULAR SIGNAL HEAD WITH BACKPLATE
- PEDESTRIAN SIGNAL HEAD
- VIDEO DETECTOR
- OPTICAL DETECTOR SYMBOL
- PEDESTRIAN PUSH BUTTON
- MAST ARM MOUNTED SIGN
- PEDESTAL POLE
- SERVICE POLE
- MAST ARM WITH POLE AND LUMINAIRE
- SIGNAL HEAD NUMBER (SEE TABLE #1)
- VIDEO DETECTION AREA
- VIDEO DETECTION AREA

DESIGN	AS	03/25
DRAWN	AS	03/25
CHECKED	NDT	03/25
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SIGNAL PLAN
SHEET 1 OF 2
(I-35 SB RAMPS AT WATERLOO RD.)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T075

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

TABLE #1 SIGNAL HEADS

SIGNAL HEAD NUMBER	NUMBER & TYPE	MOUNTING	VISOR	BACKPLATE
18, 19, & 20	3 - ONEWAY (S-9)	MAST ARM	V-1	B-2
26, 27, & 28	3 - ONEWAY (S-10)	MAST ARM	V-1	B-2
21, 22, 23, 24, & 25	5 - ONEWAY (S-11)	MAST ARM	V-1	B-2
29 - 34	6 - ONEWAY (S-20)	CLAMP	N/A	N/A

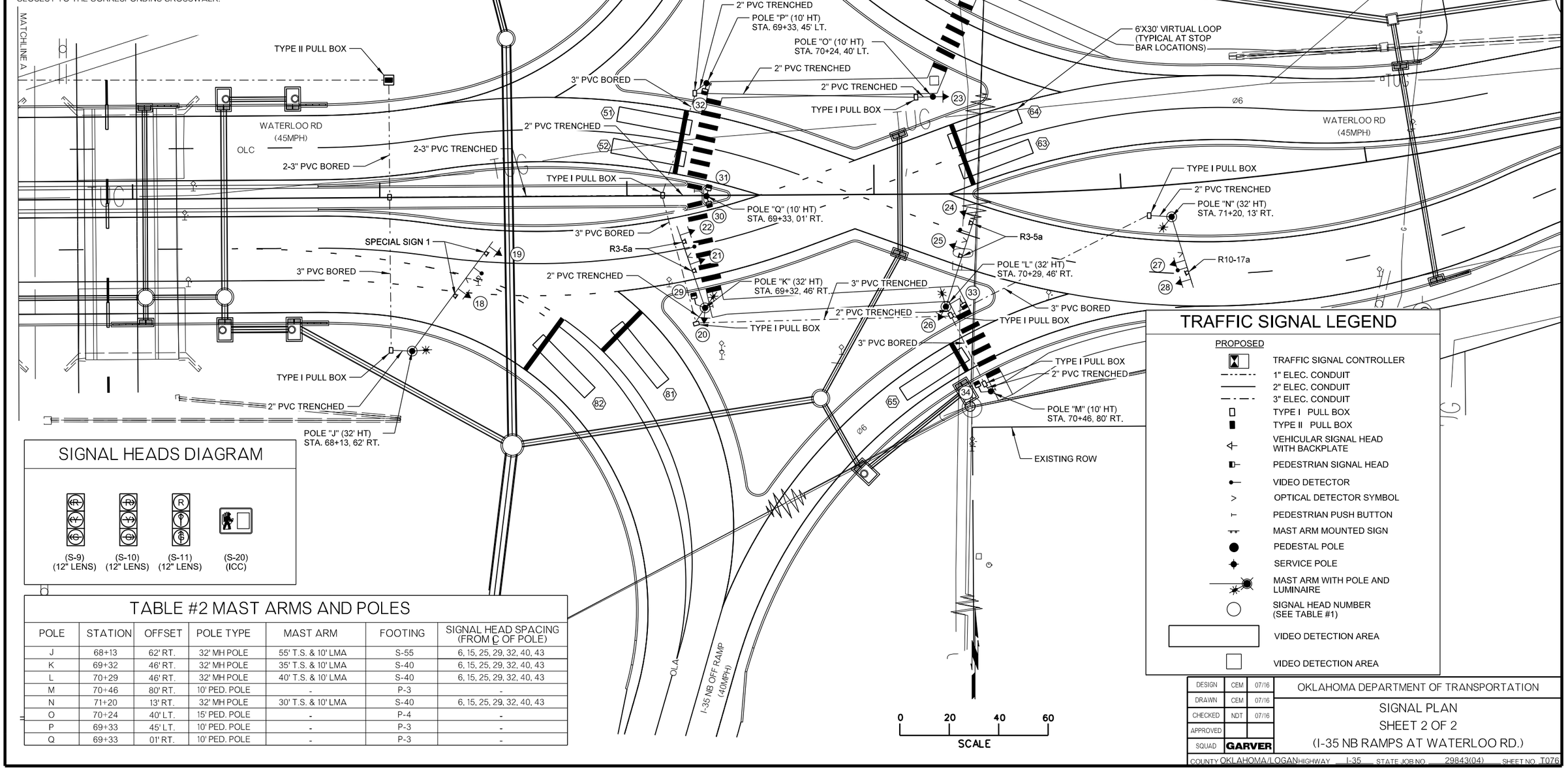
NOTES:
1.VIDEO VEHICLE DETECTION WILL BE PROVIDED FOR THIS INTERSECTION. THE DETECTOR LOOPS SHOWN ON THE PAVEMENT ARE SHOWN ONLY TO DEPICT THE AREAS OF DETECTION FOR THE VIDEO.
2. THE PLACEMENT OF THE PEDESTRIAN PUSH BUTTONS AND SIGNAL HEADS SHALL BE INSTALLED ON THE POLES SUCH THAT THE SIGNAL HEADS ARE VISIBLE FROM THE CROSSWALKS AND THE PUSH BUTTONS ARE UNOBSTRUCTED AND ADJACENT TO A LEVEL, ALL-WEATHER SURFACE TO PROVIDE ACCESS FROM A WHEELCHAIR. THE PUSH BUTTONS ARE TO BE MOUNTED ON THE SIDE OF THE POLE CLOSEST TO THE CORRESPONDING CROSSWALK.

TABLE #3 ELECTRICAL CABLE TO CONTROLLER "A" LOCATION

J - 15C/VC/OC	K - 15C/5C/VC/OC	L - 15C/5C/VC/OC	N - 15C/VC/OC
O - 7C	P - 7C/5C	Q - 7C/5C	

CABLE TERMINAL IDENTIFICATION CODE

EXAMPLE: B - 12C
(B) SIGNAL POLE LOCATION
(12C) TWELVE CONDUCTOR CABLE



SIGNAL HEADS DIAGRAM

TABLE #2 MAST ARMS AND POLES

POLE	STATION	OFFSET	POLE TYPE	MAST ARM	FOOTING	SIGNAL HEAD SPACING (FROM ℄ OF POLE)
J	68+13	62' RT.	32' MH POLE	55' T.S. & 10' LMA	S-55	6, 15, 25, 29, 32, 40, 43
K	69+32	46' RT.	32' MH POLE	35' T.S. & 10' LMA	S-40	6, 15, 25, 29, 32, 40, 43
L	70+29	46' RT.	32' MH POLE	40' T.S. & 10' LMA	S-40	6, 15, 25, 29, 32, 40, 43
M	70+46	80' RT.	10' PED. POLE	-	P-3	-
N	71+20	13' RT.	32' MH POLE	30' T.S. & 10' LMA	S-40	6, 15, 25, 29, 32, 40, 43
O	70+24	40' LT.	15' PED. POLE	-	P-4	-
P	69+33	45' LT.	10' PED. POLE	-	P-3	-
Q	69+33	01' RT.	10' PED. POLE	-	P-3	-

TRAFFIC SIGNAL LEGEND

PROPOSED

- TRAFFIC SIGNAL CONTROLLER
- 1" ELEC. CONDUIT
- 2" ELEC. CONDUIT
- 3" ELEC. CONDUIT
- TYPE I PULL BOX
- TYPE II PULL BOX
- VEHICULAR SIGNAL HEAD WITH BACKPLATE
- PEDESTRIAN SIGNAL HEAD
- VIDEO DETECTOR
- OPTICAL DETECTOR SYMBOL
- PEDESTRIAN PUSH BUTTON
- MAST ARM MOUNTED SIGN
- PEDESTAL POLE
- SERVICE POLE
- MAST ARM WITH POLE AND LUMINAIRE
- SIGNAL HEAD NUMBER (SEE TABLE #1)
- VIDEO DETECTION AREA
- VIDEO DETECTION AREA

DESIGN	CEM	07/16	OKLAHOMA DEPARTMENT OF TRANSPORTATION
DRAWN	CEM	07/16	SIGNAL PLAN
CHECKED	NDT	07/16	SHEET 2 OF 2
APPROVED			(I-35 NB RAMPS AT WATERLOO RD.)
SQUAD	GARVER		

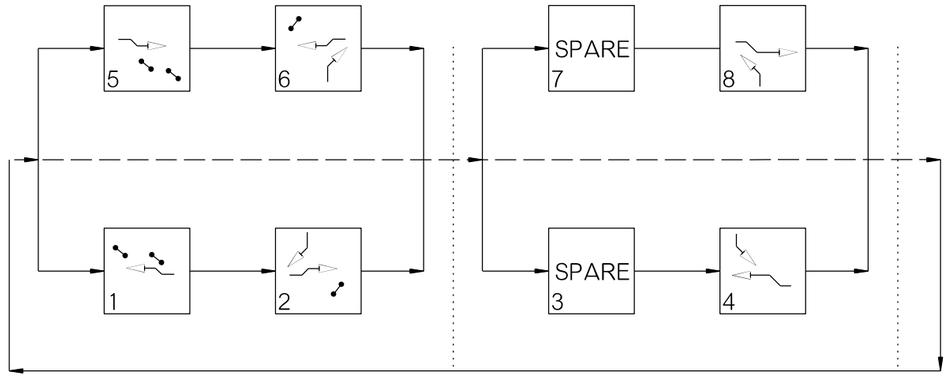
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T076

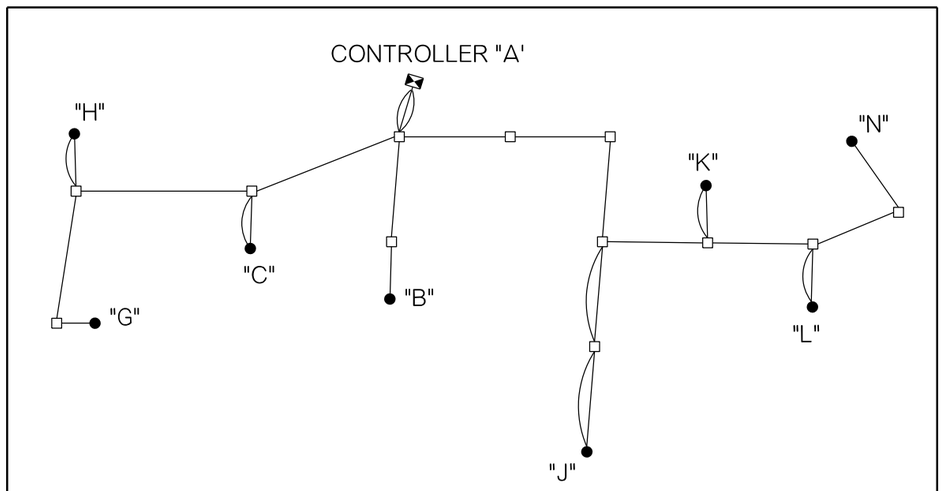
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DETECTOR CHART

DETECTION ZONE	11&12	21&22	23&24	25	41	51&52	61&62	63&64	65	81&82
PHASE	1	2	2	2	4	5	6	6	6	8
LOCATION	WB (W) STOP BAR	EB ADVANCED	EB (W) STOP BAR	SB RT	SB LT	EB (E) STOP BAR	WB ADVANCED	WB (E) STOP BAR	NB RT	NB LT

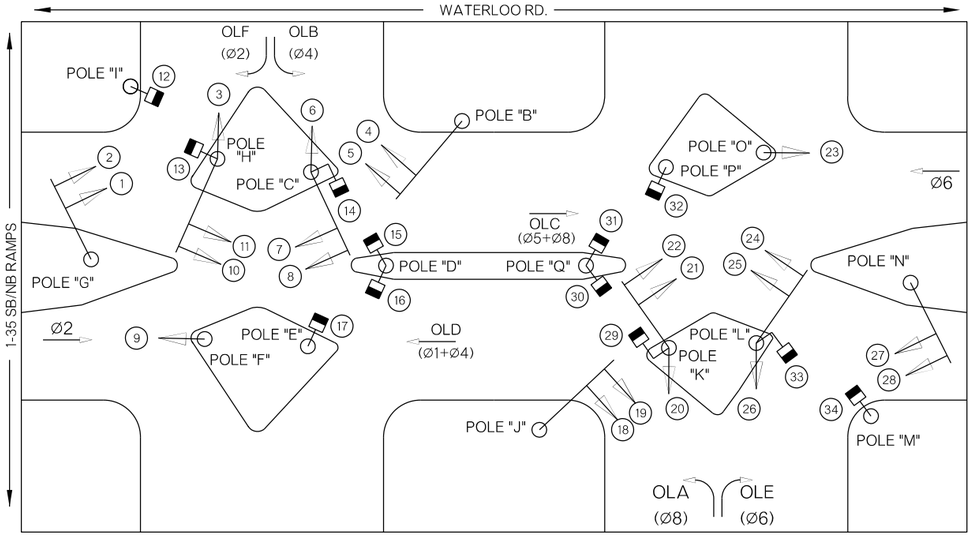
E = EAST X-OVER
W = WEST X-OVER



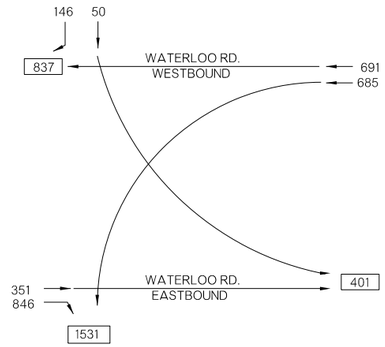


NOTE: STREET LIGHTING WIRING

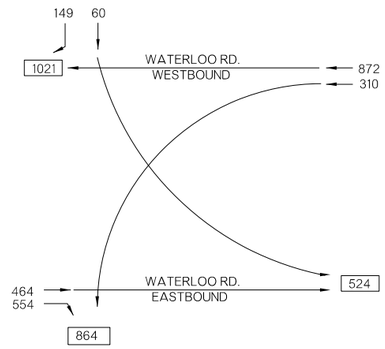
ONE 2/C#12UF CABLE (BLACK AND WHITE) SHALL RUN FROM CONTROLLER TO BASE OF POLE. CONDUCTOR FROM POLE BASE TO LUMINAIRE SHALL ALSO CONSIST OF ONE 2/C#12UF CABLE.



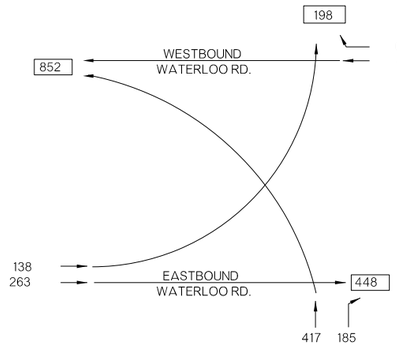
OLA = Ø8
OLB = Ø4
OLC = Ø5 + Ø8
OLD = Ø1 + Ø4
OLE = Ø6
OLF = Ø2



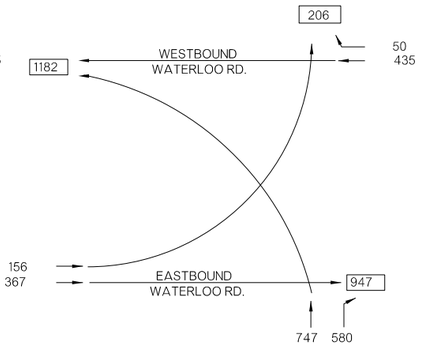
WATERLOO RD AT 1-35(SB RAMPS)
TRAFFIC FLOW DIAGRAM
2025 TRAFFIC VOLUME
AM PEAK



WATERLOO RD AT 1-35(SB RAMPS)
TRAFFIC FLOW DIAGRAM
2025 TRAFFIC VOLUME
PM PEAK



WATERLOO RD AT 1-35 (NB RAMPS)
TRAFFIC FLOW DIAGRAM
2025 TRAFFIC VOLUME
AM PEAK



WATERLOO RD AT 1-35 (NB RAMPS)
TRAFFIC FLOW DIAGRAM
2025 TRAFFIC VOLUME
PM PEAK



30"X36"
MUTCD R3-5a



30"X36"
MUTCD R10-17a



SUMMARY OF MAST ARM MOUNTED SIGNS

MESSAGE	POLE LOCATION	NO. OF SIGNS	WIDTH	HEIGHT	LEGEND	SQ. FT. SIGN AREA	TOTAL AREA SQ. FT.
SH 51 AT 91ST ST							
R3-5g	C,H,K,L	8	30"	36"		7.50	60.00
R10-17a	G,N	2	30"	36"		7.50	15.00
SPECIAL SIGN 1	B,J	3	30"	36"		7.50	22.50
						TOTAL	97.50

30"X36"
SPECIAL SIGN 1

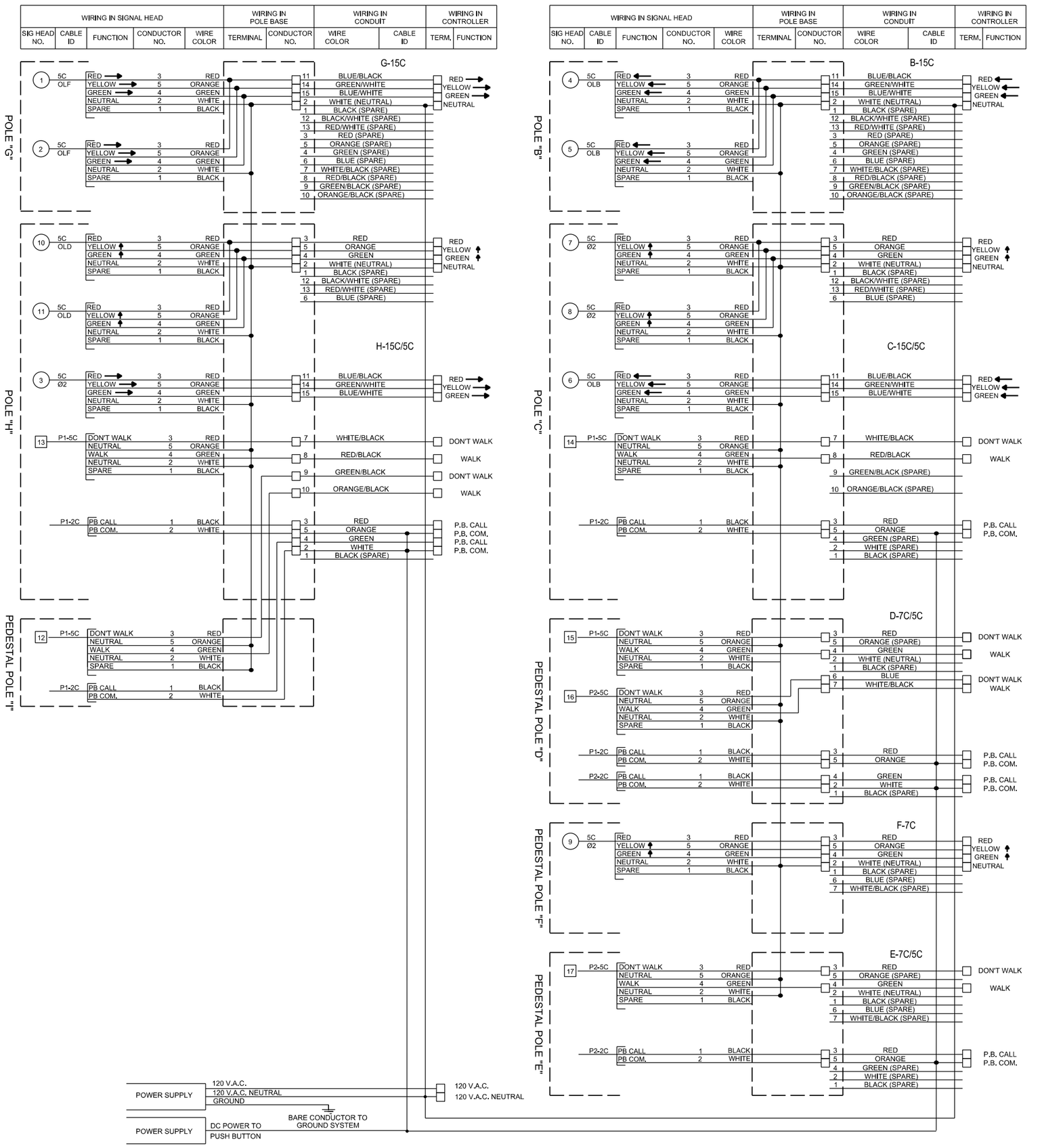
DESIGN	CEM	06/22
DRAWN	TCC	06/22
CHECKED	CEM	06/22
APPROVED	CEM	06/22
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SIGNAL PHASING
(WATERLOO RD. AT I-35 RAMPS)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T077

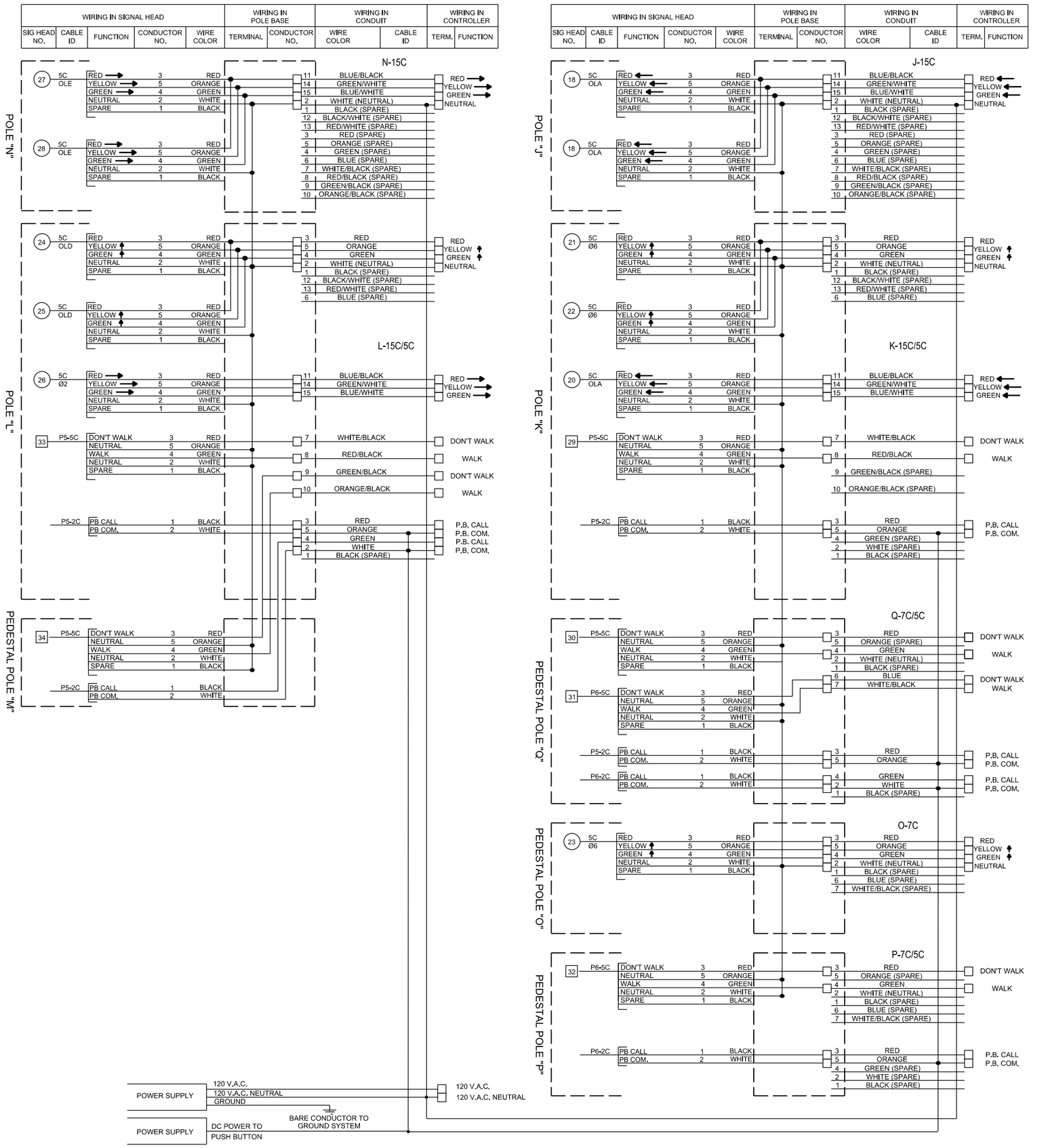
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DESIGN	ARM	06/22	OKLAHOMA DEPARTMENT OF TRANSPORTATION
DRAWN	TCC	06/22	
CHECKED	CEM	06/22	SIGNAL WIRING DIAGRAM
APPROVED			SHEET 1 OF 2
SQUAD	GARVER		(WATERLOO RD. AT I-35 RAMPS)

COUNTY: OKLAHOMA LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T07R

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

SIGNAL WIRING DIAGRAM
SHEET 2 OF 2
(WATERLOO RD. AT I-35 RAMPS)

COUNTY: OKLAHOMA LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T078

DESIGN	ARM	06/22
DRAWN	TCC	06/22
CHECKED	CEM	06/22
APPROVED		
SQUAD	GARVER	

FED. ROAD DIST. NO.	6
STATE	OKLA.
JOB PIECE NO.	
PROJECT NO.	
SHEET NO.	
TOTAL SHEETS	

REVISIONS
DATE

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

TRAFFIC SIGNAL LEGEND

PROPOSED

- TRAFFIC SIGNAL CONTROLLER
- 1" ELEC. CONDUIT
- 2" ELEC. CONDUIT
- 3" ELEC. CONDUIT
- TYPE I PULL BOX
- TYPE II PULL BOX
- SPAN WIRE ASSEMBLY WITH WOOD POLES AND LUMINAIRE
- VEHICULAR SIGNAL HEAD WITH BACKPLATE
- VIDEO DETECTION CAMERA
- SPAN WIRE MOUNTED SIGN
- SERVICE POLE
- SIGNAL HEAD NUMBER (SEE TABLE #1)
- VIDEO DETECTION AREA
- VIDEO DETECTION AREA

NOTES:
1. EXISTING SIGNAL SHALL NOT BE REMOVED UNTIL TEMPORARY SIGNAL IS OPERATIONAL AND PHASE 4A HAS BEGUN.
2. VIDEO VEHICLE DETECTION WILL BE PROVIDED FOR THIS INTERSECTION. THE DETECTOR LOOPS SHOWN ON THE PAVEMENT ARE SHOWN ONLY TO DEPICT THE AREAS OF DETECTION FOR THE VIDEO.
3. SEE TRAFFIC CONTROL PLANS FOR PHASE 4A DETAILS.
4. PROTECTIVE BARRIERS SHALL BE PROVIDED AT ALL POLE LOCATIONS TO PROTECT POLES FROM VEHICULAR TRAFFIC. COST OF BARRIERS IS SUBSIDIARY TO THE COST OF THE TEMPORARY SIGNAL.

TABLE #3 ELECTRICAL CABLE TO CONTROLLER "AA" LOCATION

1-7C	2-5C	3-5C	4-5C	5-5C	6-5C	
VD1-VC		VD2-VC		VD3-VC		

CABLE TERMINAL IDENTIFICATION CODE

EXAMPLE: CC - 2-5C
(CC) SIGNAL POLE LOCATION
(2) SIGNAL HEAD
(5C) FIVE CONDUCTOR CABLE

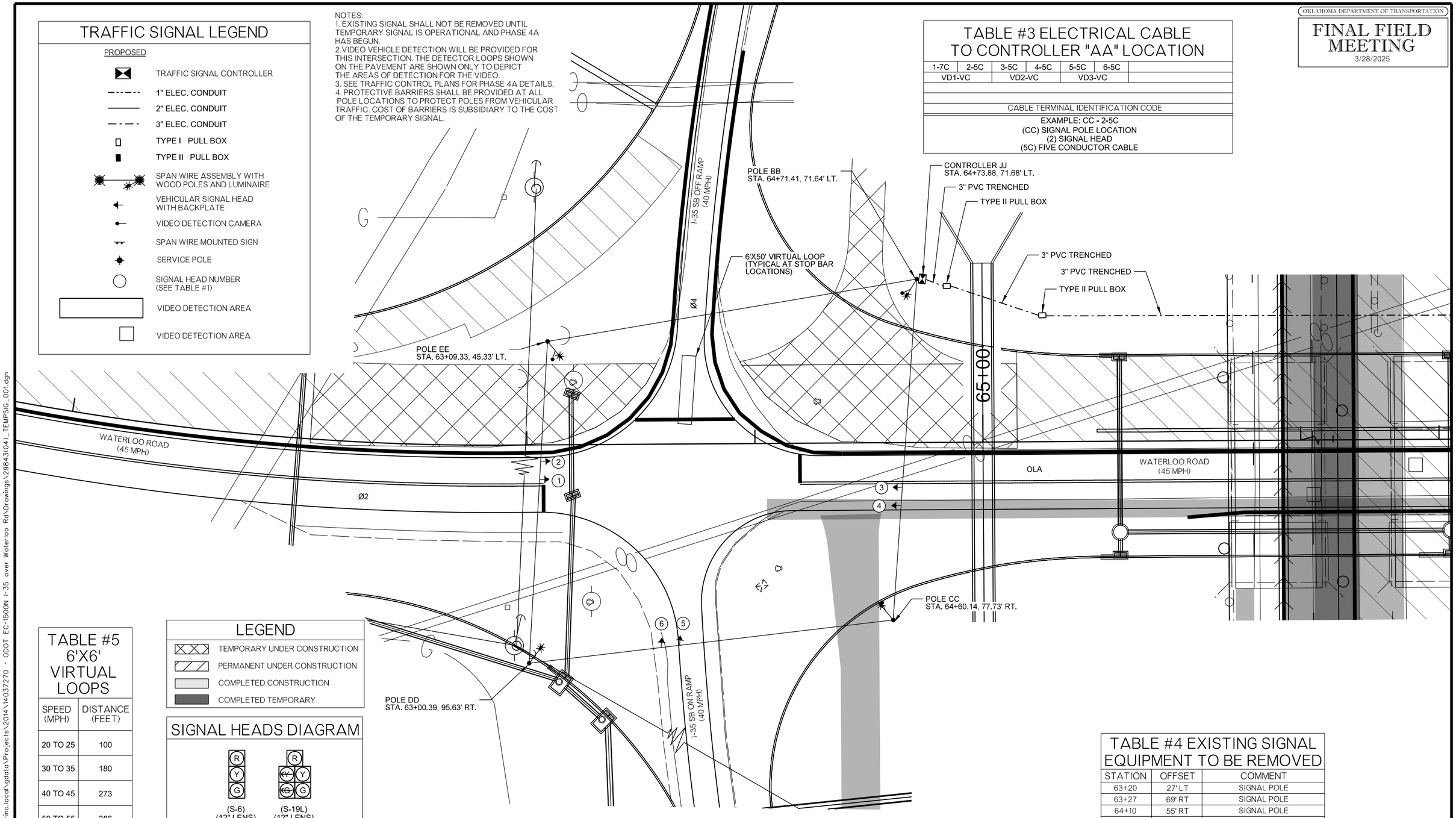


TABLE #5 6'X6' VIRTUAL LOOPS

SPEED (MPH)	DISTANCE (FEET)
20 TO 25	100
30 TO 35	180
40 TO 45	273
50 TO 55	386

LEGEND

- TEMPORARY UNDER CONSTRUCTION
- PERMANENT UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- COMPLETED TEMPORARY

SIGNAL HEADS DIAGRAM

TABLE #2 SPAN WIRE ASSEMBLY

POLE	STATION	OFFSET	SPAN WIRE ASSEMBLY	SIGNAL HEAD SPACING (FROM ℄ OF POLE)
BB	64+71.41	71.64' LT	SEE STANDARD DRAWING SWD1-1	-
CC	64+60.14	77.73' RT	SEE STANDARD DRAWING SWD1-1	50', 58'
DD	63+00.39	95.63' RT	SEE STANDARD DRAWING SWD1-1	58', 66'
EE	63+09.33	45.33' LT	SEE STANDARD DRAWING SWD1-1	53', 61'

TABLE #1 SIGNAL HEADS

SIGNAL HEAD NUMBER	NUMBER & TYPE	MOUNTING	VISOR	BACKPLATE
1	1 - 12" LENS (S-19)L	SPAN WIRE	V-1	B-2
2, 3, 4, 5 & 6	5 - 12" LENS (S-6)	SPAN WIRE	V-1	B-2

0 20 40 60
SCALE

TABLE #4 EXISTING SIGNAL EQUIPMENT TO BE REMOVED

STATION	OFFSET	COMMENT
63+20	27' LT	SIGNAL POLE
63+27	69' RT	SIGNAL POLE
64+10	55' RT	SIGNAL POLE
64+27	18' LT	SIGNAL POLE
64+03	62' RT	CONTROLLER

PHASE 4A

DESIGN	CEM	03/25
DRAWN	AS	03/25
CHECKED	NDT	03/25
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

TEMPORARY SIGNAL PLAN
SHEET 1 OF 2
(I-35 SB RAMPS AT WATERLOO RD.)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T080

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025

TABLE #1 SIGNAL HEADS

SIGNAL HEAD NUMBER	NUMBER & TYPE	MOUNTING	VISOR	BACKPLATE
11	1 - 12" LENS (S-19)L	SPAN WIRE	V-1	B-2
7, 8, 9, 10, & 12	5 - 12" LENS (S-6)	SPAN WIRE	V-1	B-2

NOTES:
1. EXISTING SIGNAL SHALL NOT BE REMOVED UNTIL TEMPORARY SIGNAL IS OPERATIONAL AND PHASE 4A HAS BEGUN.
2. VIDEO VEHICLE DETECTION WILL BE PROVIDED FOR THIS INTERSECTION. THE DETECTOR LOOPS SHOWN ON THE PAVEMENT ARE SHOWN ONLY TO DEPICT THE AREAS OF DETECTION FOR THE VIDEO.
3. SEE TRAFFIC CONTROL PLANS FOR PHASE 4A DETAILS.
4. PROTECTIVE BARRIERS SHALL BE PROVIDED AT ALL POLE LOCATIONS TO PROTECT POLES FROM VEHICULAR TRAFFIC. COST OF BARRIERS IS SUBSIDIARY TO THE COST OF THE TEMPORARY SIGNAL.

TABLE #2 SPAN WIRE ASSEMBLY

POLE	STATION	OFFSET	SPAN WIRE ASSEMBLY	SIGNAL HEAD SPACING (FROM ℄ OF POLE)
FF	68+14.39	76.50' LT	SEE STANDARD DRAWING SWD1-1	85', 93'
GG	70+31.47	81.46' LT	SEE STANDARD DRAWING SWD1-1	65', 73'
HH	70+03.36	64.85' RT	SEE STANDARD DRAWING SWD1-1	38', 46'
II	68+37.55	71.90' RT	SEE STANDARD DRAWING SWD1-1	-

TABLE #3 ELECTRICAL CABLE TO CONTROLLER "AA" LOCATION

7-5C	8-5C	9-5C	10-5C	11-7C	12-5C
VD4-VC		VD5-VC		VD6-VC	

CABLE TERMINAL IDENTIFICATION CODE

EXAMPLE: FF - 2-5C
(FF) SIGNAL POLE LOCATION
(2) SIGNAL HEAD
(5C) FIVE CONDUCTOR CABLE

70+00

I-35 NB ON RAMP (40 MPH)

POLE FF
STA. 68+14.39, 76.50' LT.

TYPE II PULL BOX
3" PVC TRENCHED
3" PVC TRENCHED
TYPE II PULL BOX

POLE GG
STA. 70+31.47, 81.46' LT.

9 10

WATERLOO ROAD (45 MPH)

8 7

OLB

Ø6

11 12

WATERLOO ROAD (45 MPH)

POLE II
STA. 68+37.55, 71.90' RT.

6' x 6' VIRTUAL LOOP (TYPICAL)

POLE HH
STA. 70+03.36, 64.85' RT.

6'X50' VIRTUAL LOOP (TYPICAL AT STOP BAR LOCATIONS)

Ø8

I-35 NB OFF RAMP (40 MPH)

0 20 40 60
SCALE

TRAFFIC SIGNAL LEGEND

PROPOSED

- TRAFFIC SIGNAL CONTROLLER
- 1" ELEC. CONDUIT
- 2" ELEC. CONDUIT
- 3" ELEC. CONDUIT
- TYPE I PULL BOX
- TYPE II PULL BOX
- SPAN WIRE ASSEMBLY WITH WOOD POLES AND LUMINAIRE
- VEHICULAR SIGNAL HEAD WITH BACKPLATE
- VIDEO DETECTION CAMERA
- SPAN WIRE MOUNTED SIGN
- SERVICE POLE
- SIGNAL HEAD NUMBER (SEE TABLE #1)
- VIDEO DETECTION AREA
- VIDEO DETECTION AREA

TABLE #5 6'X6' VIRTUAL LOOPS

SPEED (MPH)	DISTANCE (FEET)
20 TO 25	100
30 TO 35	180
40 TO 45	273
50 TO 55	386

TABLE #4 EXISTING SIGNAL EQUIPMENT TO BE REMOVED

STATION	OFFSET	COMMENT
68+95	23' LT	SIGNAL POLE
69+20	49' RT	SIGNAL POLE
70+16	50' RT	SIGNAL POLE
70+16	22' LT	SIGNAL POLE
70+05	59' RT	CONTROLLER

SIGNAL HEADS DIAGRAM

R Y G (S-6) (12" LENS)

R Y G (S-19L) (12" LENS)

LEGEND

- TEMPORARY UNDER CONSTRUCTION
- PERMANENT UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- COMPLETED TEMPORARY

PHASE 4A

DESIGN	CEM	03/25
DRAWN	AS	03/25
CHECKED	NDT	03/25
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

TEMPORARY SIGNAL PLAN
SHEET 2 OF 2
(I-35 NB RAMPS AT WATERLOO RD.)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T081

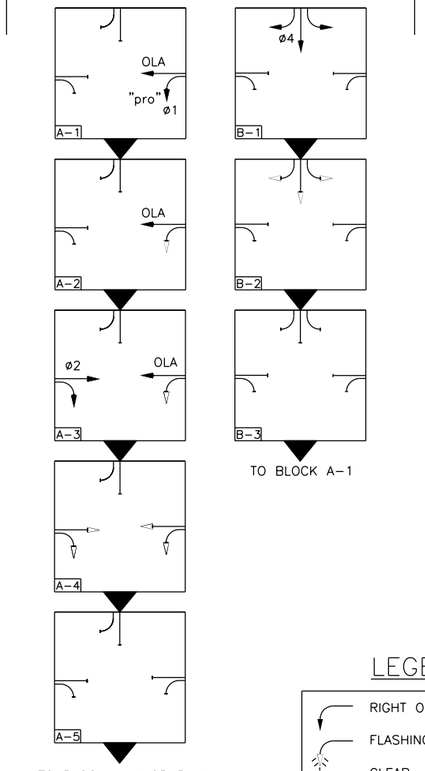
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OKLAHOMA DEPARTMENT OF TRANSPORTATION

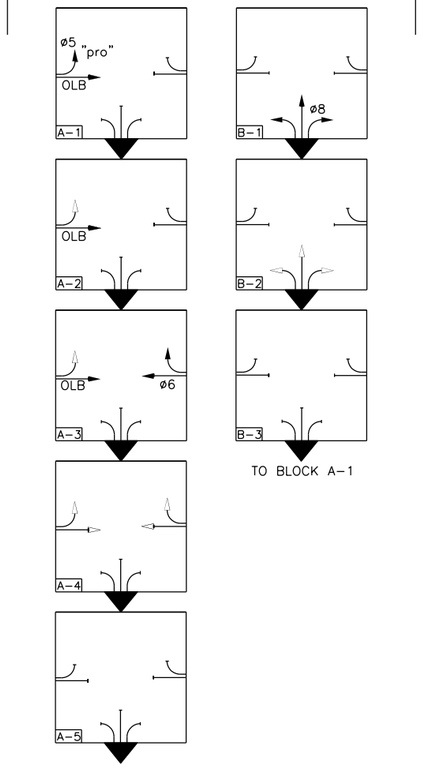
FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

DESCRIPTION	REVISIONS	DATE

PHASE DIAGRAM (I-35 SB RAMPS)



PHASE DIAGRAM (I-35 NB RAMPS)



LEGEND

	RIGHT OF WAY
	FLASHING
	CLEAR
	STOP
→	RIGHT OF WAY
⟶	CLEAR
⟶|	STOP
"pro"	PROTECTED LEFT TURN
"per"	PERMISSIVE LEFT TURN

SEQUENCE (I-35 SB RAMPS)

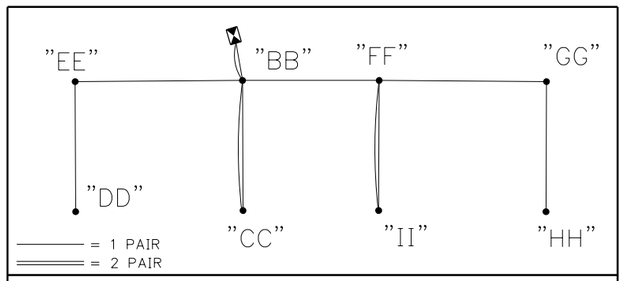
BLOCK NO.	PHASE DESIGNATION	SIGNAL HEAD NO. 1	2	3&4	5&6
A1	Ø1 & OLA ROW	G/~~G~~	G	R	R
A2	OLA ROW, Ø1 CLR	G/Y	G	R	R
A3	Ø2 & OLA ROW	G	G	G	R
A4	Ø2 & OLA CLR	Y	Y	Y	R
A5	ALL RED	R	R	R	R
B1	Ø4 ROW	R	R	R	G
B2	Ø4 CLR	R	R	R	Y
B3	ALL RED	R	R	R	R
	FLASHING RED	FR	FR	FR	FR

OLA = Ø1 + Ø2

SEQUENCE (I-35 NB RAMPS)

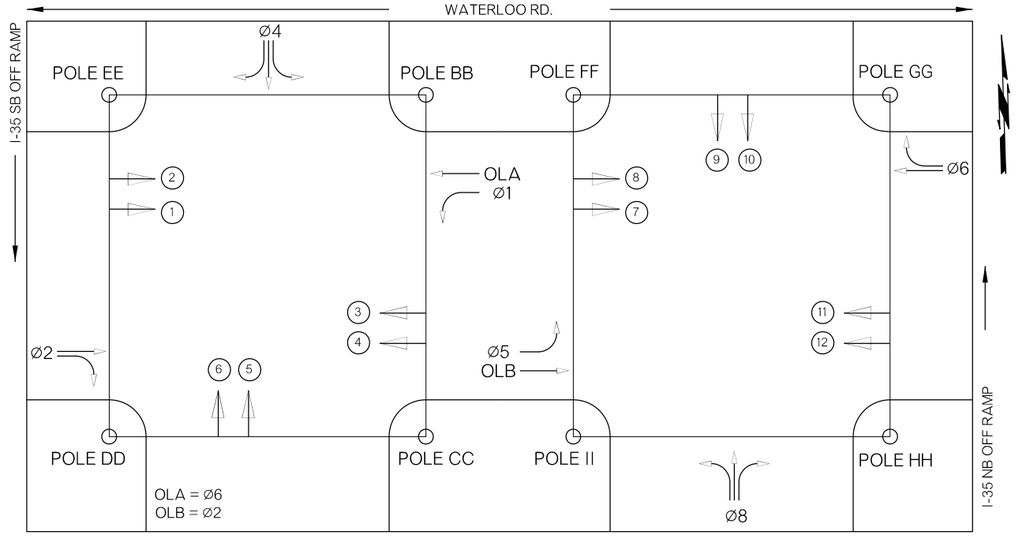
BLOCK NO.	PHASE DESIGNATION	SIGNAL HEAD NO. 7&8	9&10	11	12
A1	Ø5 & OLB ROW	R	R	G/~~G~~	G
A2	OLB ROW, Ø5 CLR	R	R	G/Y	G
A3	Ø6 & OLB ROW	G	R	G	G
A4	Ø6 & OLB CLR	Y	R	Y	Y
A5	ALL RED	R	R	R	R
B1	Ø8 ROW	R	G	R	R
B2	Ø8 CLR	R	Y	R	R
B3	ALL RED	R	R	R	R
	FLASHING RED	FR	FR	FR	FR

OLA = Ø5 + Ø6



NOTE: STREET LIGHTING WIRING

ONE PAIR EQUALS TWO CONDUCTORS (1/C-10AWG COPPER) ONE BLACK, ONE WHITE. CONDUCTORS SHALL BE SPLICED ONLY AT THE TERMINAL BLOCK AT EACH POLE BASE. A FUSE HOLDER SHALL BE PROVIDED IN THE HANDHOLE OF EACH COMBINATION TRAFFIC SIGNAL AND STREET LIGHT POLE. THE FUSE HOLDER SHALL BE INSTALLED IN THE LINE SIDE CONDUCTOR FOR THE LUMINAIRE. THE FUSE HOLDER SHALL BE A WATERPROOF INLINE FUSE HOLDER. IT SHALL BE SIMILAR TO BUSSMAN MFG. CO. TYPE "TRON" HEB, OR OTHER APPROVED EQUAL. COMPLETE WITH A PROPERLY SIZED TYPE KTK FUSE.



DESIGN	CEM	10/24
DRAWN	AS	10/24
CHECKED	NDT	10/24
APPROVED		
SQUAD	GARVER	

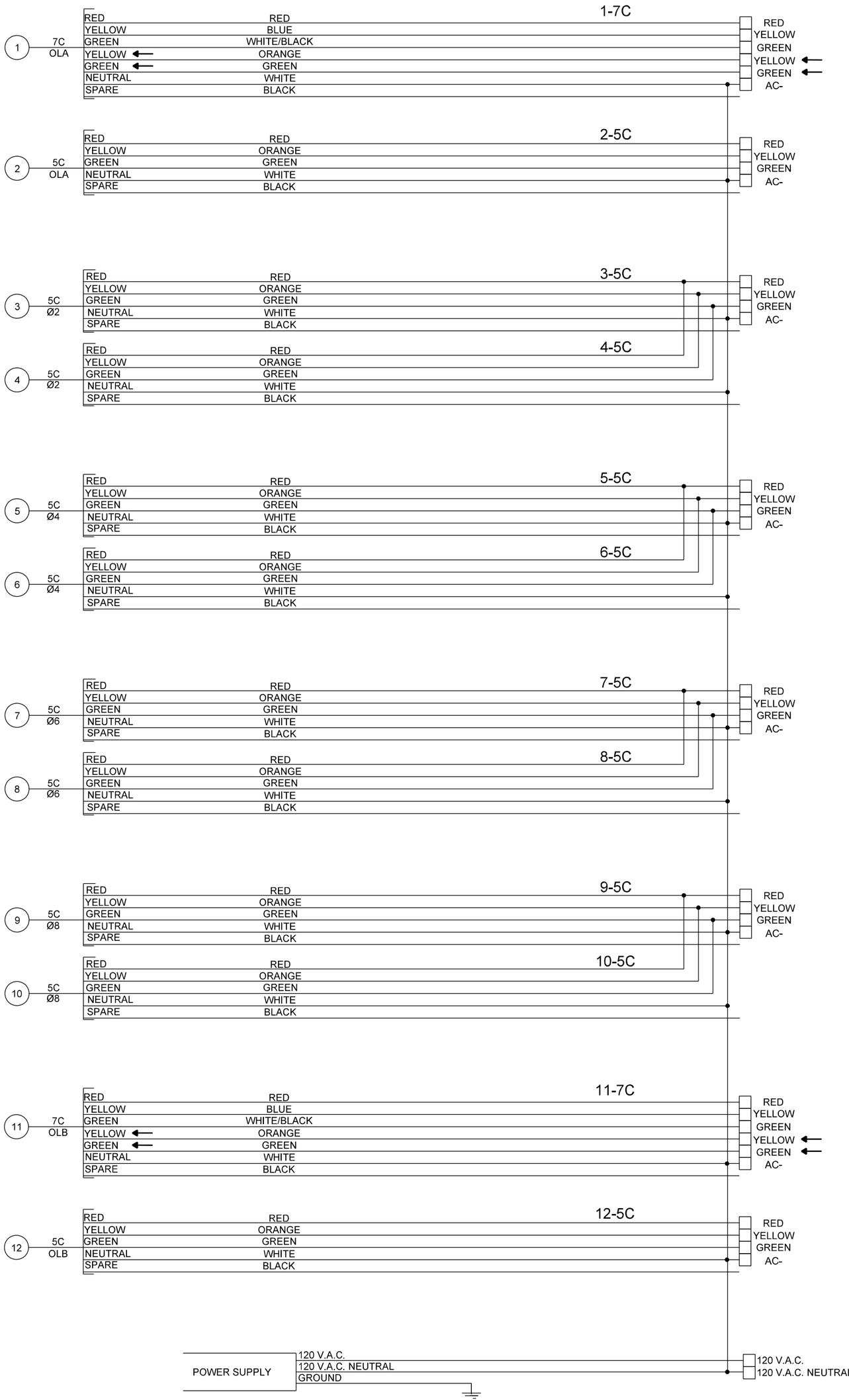
OKLAHOMA DEPARTMENT OF TRANSPORTATION

TEMPORARY SIGNAL PHASING
(I-35 RAMPS AT WATERLOO RD.)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T082

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WIRING IN SIGNAL HEAD AND ALONG SPAN WIRE						WIRING IN CONTROLLER	
SIG. HEAD NO.	CABLE IDENT.	FUNCTION	CON. NO.	WIRE COLOR	CABLE IDENT.	TERM.	FUNCTION



DESIGN CEM 10/24
DRAWN AS 10/24
CHECKED NDT 10/24
APPROVED
SQUAD GARVER

COUNTY: OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T0983

TEMPORARY SIGNAL WIRING DIAGRAM (I-35 RAMPS AT WATERLOO RD.)

OKLAHOMA DEPARTMENT OF TRANSPORTATION

OKLAHOMA DEPARTMENT OF TRANSPORTATION
DESIGNED 6
CHECKED OKLA
REVISIONS
DATE
STATE
JOB PIECE NO.
SHEET NO.
TOTAL SHEETS

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

TRAFFIC SIGNAL LEGEND

PROPOSED

- TRAFFIC SIGNAL CONTROLLER
- 1" ELEC. CONDUIT
- 2" ELEC. CONDUIT
- 3" ELEC. CONDUIT
- TYPE I PULL BOX
- TYPE II PULL BOX
- SPAN WIRE ASSEMBLY WITH WOOD POLES AND LUMINAIRE
- VEHICULAR SIGNAL HEAD WITH BACKPLATE
- VIDEO DETECTION CAMERA
- SPAN WIRE MOUNTED SIGN
- SERVICE POLE
- SIGNAL HEAD NUMBER (SEE TABLE #1)
- VIDEO DETECTION AREA
- VIDEO DETECTION AREA

NOTES:
1. PHASE 5 SIGNAL SHALL BE IN OPERATION PRIOR TO PHASE 5 CONSTRUCTION BEGINNING.
2. SHIFT SIGNAL HEADS ALONG SPAN WIRE AS SHOWN.
3. ADJUST VIDEO DETECTION ZONES AS NEEDED FOR LANE SHIFTS.
4. SEE TRAFFIC CONTROL PLANS FOR PHASE 5 DETAILS.
5. PROTECTIVE BARRIERS SHALL BE PROVIDED AT ALL POLE LOCATIONS TO PROTECT POLES FROM VEHICULAR TRAFFIC. COST OF BARRIERS IS SUBSIDIARY TO THE COST OF THE TEMPORARY SIGNAL.
6. SEE TRAFFIC CONTROL PLANS FOR DETAIL. EXCEPT OUT CONCRETE PANEL FROM PAVING UNTIL PHASE 7 FOR TEMPORARY SIGNAL POLE EE AND HH OPERATION.

TABLE #3 ELECTRICAL CABLE TO CONTROLLER "AA" LOCATION

1-7C	2-5C	3-5C	4-5C	5-5C	6-5C
VD1-VC		VD2-VC		VD3-VC	

CABLE TERMINAL IDENTIFICATION CODE

EXAMPLE: CC - 2-5C
(CC) SIGNAL POLE LOCATION
(2) SIGNAL HEAD
(5C) FIVE CONDUCTOR CABLE

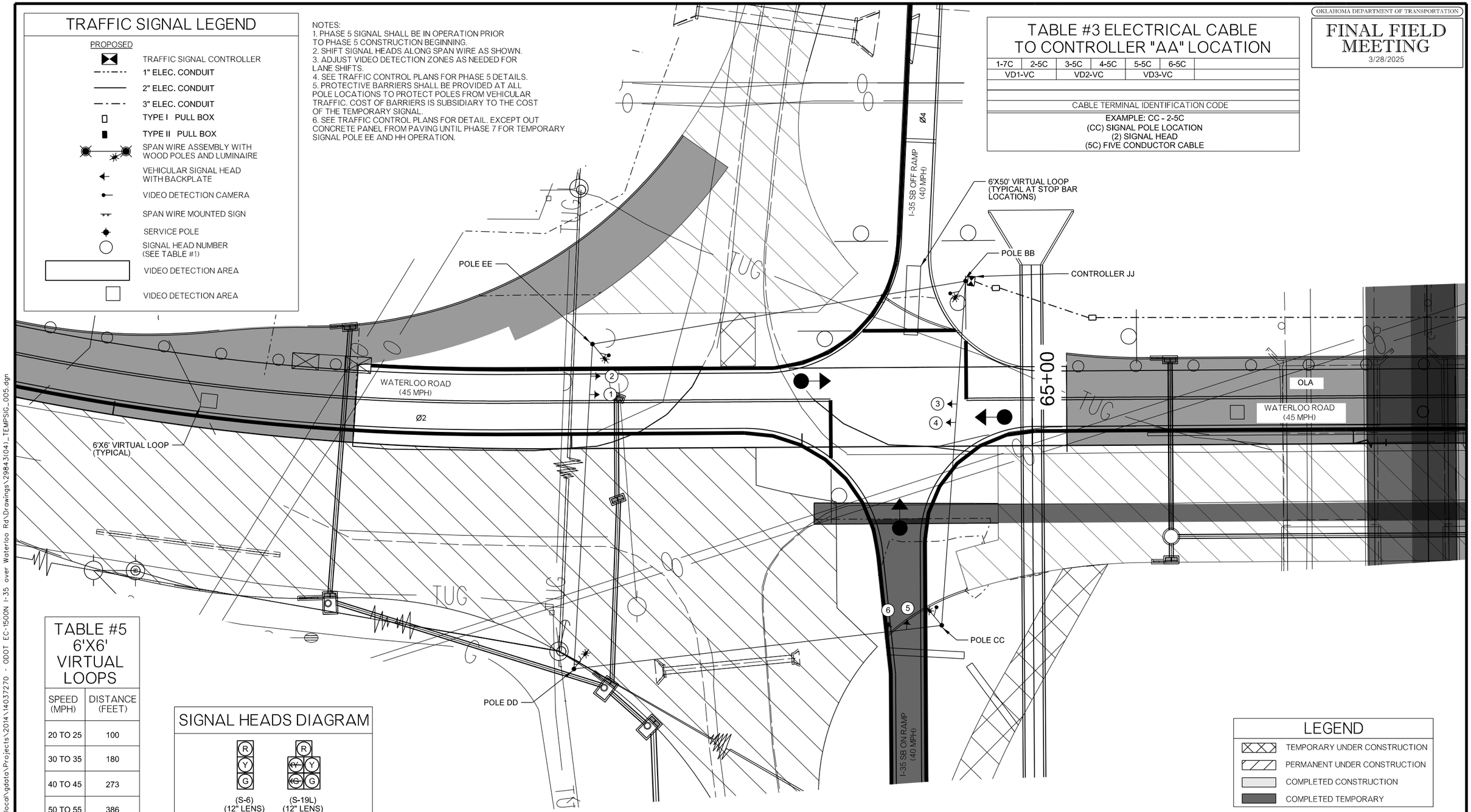


TABLE #5 6'X6' VIRTUAL LOOPS

SPEED (MPH)	DISTANCE (FEET)
20 TO 25	100
30 TO 35	180
40 TO 45	273
50 TO 55	386

SIGNAL HEADS DIAGRAM

LEGEND

- TEMPORARY UNDER CONSTRUCTION
- PERMANENT UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- COMPLETED TEMPORARY

TABLE #2 SPAN WIRE ASSEMBLY

POLE	STATION	OFFSET	SPAN WIRE ASSEMBLY	SIGNAL HEAD SPACING (FROM ℄ OF POLE)
BB	INSTALLED IN PHASE 4A		SEE STANDARD DRAWING SWD1-1	-
CC	INSTALLED IN PHASE 4A		SEE STANDARD DRAWING SWD1-1	88', 96'
DD	INSTALLED IN PHASE 4A		SEE STANDARD DRAWING SWD1-1	137', 145'
EE	INSTALLED IN PHASE 4A		SEE STANDARD DRAWING SWD1-1	14', 22'

TABLE #1 SIGNAL HEADS

SIGNAL HEAD NUMBER	NUMBER & TYPE	MOUNTING	VISOR	BACKPLATE
1 (EXISTING)	1 - 12" LENS (S-19)L	SPAN WIRE	V-1	B-2
2, 3, 4, 5 & 6 (EXISTING)	5 - 12" LENS (S-6)	SPAN WIRE	V-1	B-2

0 20 40 60
SCALE

PHASE 5

DESIGN	CEM	03/25
DRAWN	AS	03/25
CHECKED	NDT	03/25
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

TEMPORARY SIGNAL PLAN
SHEET 1 OF 2
(I-35 SB RAMPS AT WATERLOO RD.)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T08

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TRAFFIC SIGNAL LEGEND

PROPOSED

- TRAFFIC SIGNAL CONTROLLER
- 1" ELEC. CONDUIT
- 2" ELEC. CONDUIT
- 3" ELEC. CONDUIT
- TYPE I PULL BOX
- TYPE II PULL BOX
- SPAN WIRE ASSEMBLY WITH WOOD POLES AND LUMINAIRE
- VEHICULAR SIGNAL HEAD WITH BACKPLATE
- VIDEO DETECTION CAMERA
- SPAN WIRE MOUNTED SIGN
- SERVICE POLE
- SIGNAL HEAD NUMBER (SEE TABLE #1)
- VIDEO DETECTION AREA
- VIDEO DETECTION AREA

NOTES:
1. PHASE 5 SIGNAL SHALL BE IN OPERATION PRIOR TO PHASE 5 CONSTRUCTION BEGINNING.
2. SHIFT SIGNAL HEADS ALONG SPAN WIRE AS SHOWN.
3. ADJUST VIDEO DETECTION ZONES AS NEEDED FOR LANE SHIFTS.
4. SEE TRAFFIC CONTROL PLANS FOR PHASE 5 DETAILS.
5. PROTECTIVE BARRIERS SHALL BE PROVIDED AT ALL POLE LOCATIONS TO PROTECT POLES FROM VEHICULAR TRAFFIC. COST OF BARRIERS IS SUBSIDIARY TO THE COST OF THE TEMPORARY SIGNAL.
6. SEE TRAFFIC CONTROL PLANS FOR DETAIL. EXCEPT OUT CONCRETE PANEL FROM PAVING UNTIL PHASE 7 FOR TEMPORARY SIGNAL POLE EE AND HH OPERATION.

TABLE #3 ELECTRICAL CABLE TO CONTROLLER "AA" LOCATION

7-5C	8-5C	9-5C	10-5C	11-7C	12-5C
VD4-VC		VD5-VC		VD6-VC	

CABLE TERMINAL IDENTIFICATION CODE

EXAMPLE: FF - 2-5C
(FF) SIGNAL POLE LOCATION
(2) SIGNAL HEAD
(5C) FIVE CONDUCTOR CABLE

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025

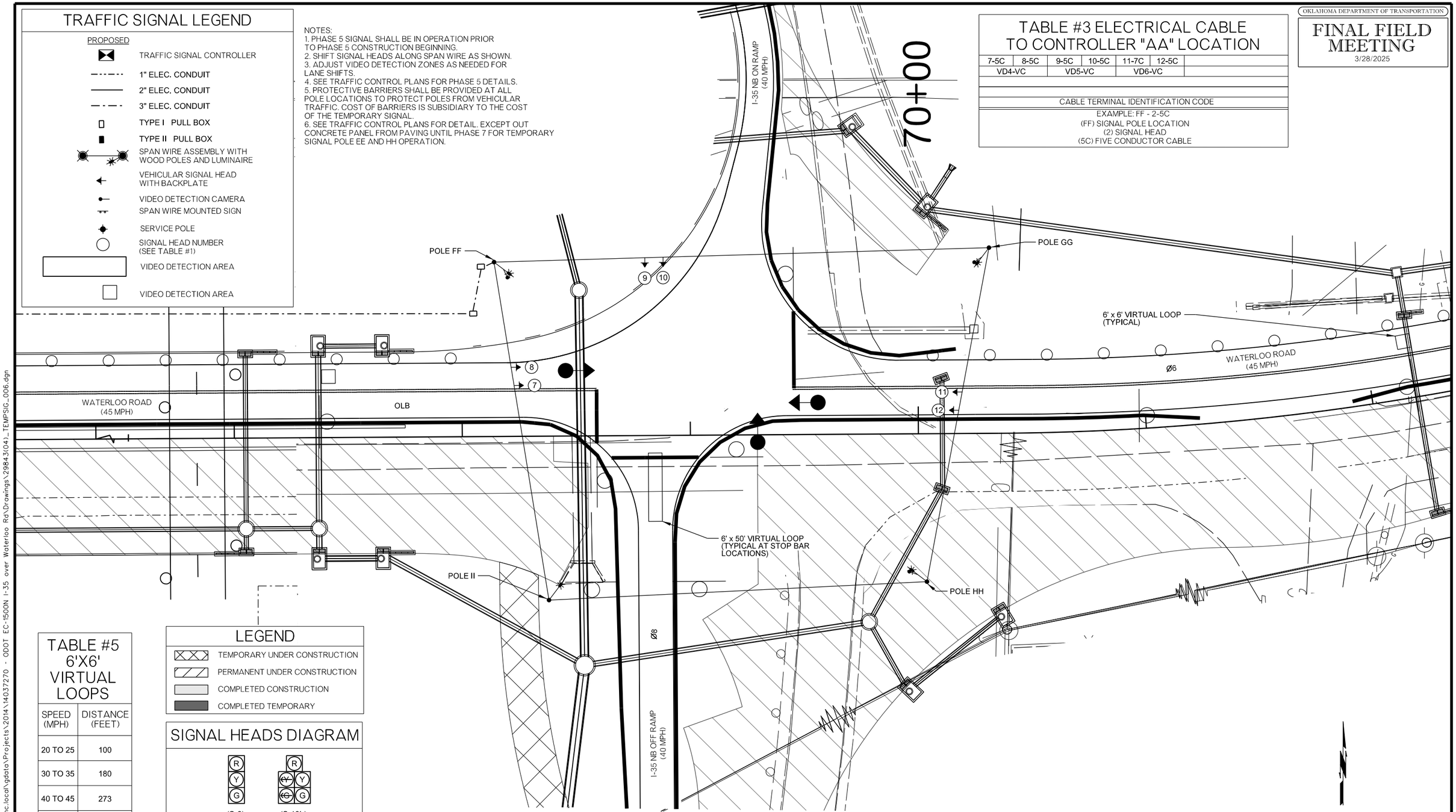


TABLE #5 6'X6' VIRTUAL LOOPS

SPEED (MPH)	DISTANCE (FEET)
20 TO 25	100
30 TO 35	180
40 TO 45	273
50 TO 55	386

LEGEND

- TEMPORARY UNDER CONSTRUCTION
- PERMANENT UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- COMPLETED TEMPORARY

SIGNAL HEADS DIAGRAM

TABLE #2 SPAN WIRE ASSEMBLY

POLE	STATION	OFFSET	SPAN WIRE ASSEMBLY	SIGNAL HEAD SPACING (FROM ℄ OF POLE)
FF	INSTALLED IN PHASE 4A		SEE STANDARD DRAWING SWD1-1	47', 55'
GG	INSTALLED IN PHASE 4A		SEE STANDARD DRAWING SWD1-1	143', 151'
HH	INSTALLED IN PHASE 4A		SEE STANDARD DRAWING SWD1-1	77', 85'
II	INSTALLED IN PHASE 4A		SEE STANDARD DRAWING SWD1-1	-

TABLE #1 SIGNAL HEADS

SIGNAL HEAD NUMBER	NUMBER & TYPE	MOUNTING	VISOR	BACKPLATE
11 (EXISTING)	1 - 12" LENS (S-19)L	SPAN WIRE	V-1	B-2
7, 8, 9, 10, & 12 (EXISTING)	5 - 12" LENS (S-6)	SPAN WIRE	V-1	B-2

0 20 40 60
SCALE

PHASE 5

DESIGN	CEM	03/25	OKLAHOMA DEPARTMENT OF TRANSPORTATION
DRAWN	AS	03/25	TEMPORARY SIGNAL PLAN
CHECKED	NDT	03/25	SHEET 2 OF 2
APPROVED			(I-35 NB RAMPS AT WATERLOO RD.)
SQUAD	GARVER		

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T085

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

TRAFFIC SIGNAL LEGEND

PROPOSED

- TRAFFIC SIGNAL CONTROLLER
- 1" ELEC. CONDUIT
- 2" ELEC. CONDUIT
- 3" ELEC. CONDUIT
- TYPE I PULL BOX
- TYPE II PULL BOX
- SPAN WIRE ASSEMBLY WITH WOOD POLES AND LUMINAIRE
- VEHICULAR SIGNAL HEAD WITH BACKPLATE
- VIDEO DETECTION CAMERA
- SPAN WIRE MOUNTED SIGN
- SERVICE POLE
- SIGNAL HEAD NUMBER (SEE TABLE #1)
- VIDEO DETECTION AREA
- VIDEO DETECTION AREA

NOTES:
1. PHASE 6 SIGNAL SHALL BE IN OPERATION PRIOR TO PHASE 6 CONSTRUCTION BEGINNING.
2. SHIFT SIGNAL HEADS ALONG SPAN WIRE AS SHOWN.
3. ADJUST VIDEO DETECTION ZONES AS NEEDED FOR LANE SHIFTS.
4. Ø1 SHALL NOT BE ACTIVE DURING PHASE 6 CONSTRUCTION.
5. SEE TRAFFIC CONTROL PLANS FOR PHASE 6 DETAILS.
6. PROTECTIVE BARRIERS SHALL BE PROVIDED AT ALL POLE LOCATIONS TO PROTECT POLES FROM VEHICULAR TRAFFIC. COST OF BARRIERS IS SUBSIDIARY TO THE COST OF THE TEMPORARY SIGNAL.
7. SEE TRAFFIC CONTROL PLANS FOR DETAIL. EXCEPT OUT CONCRETE PANEL FROM PAVING UNTIL PHASE 7 FOR TEMPORARY SIGNAL POLE EE AND HH OPERATION.

TABLE #3 ELECTRICAL CABLE TO CONTROLLER "AA" LOCATION

1-7C	2-5C	3-5C	4-5C	5-5C	6-5C	
VD1-VC		VD2-VC		VD3-VC		

CABLE TERMINAL IDENTIFICATION CODE

EXAMPLE: CC - 2-5C
(CC) SIGNAL POLE LOCATION
(2) SIGNAL HEAD
(5C) FIVE CONDUCTOR CABLE

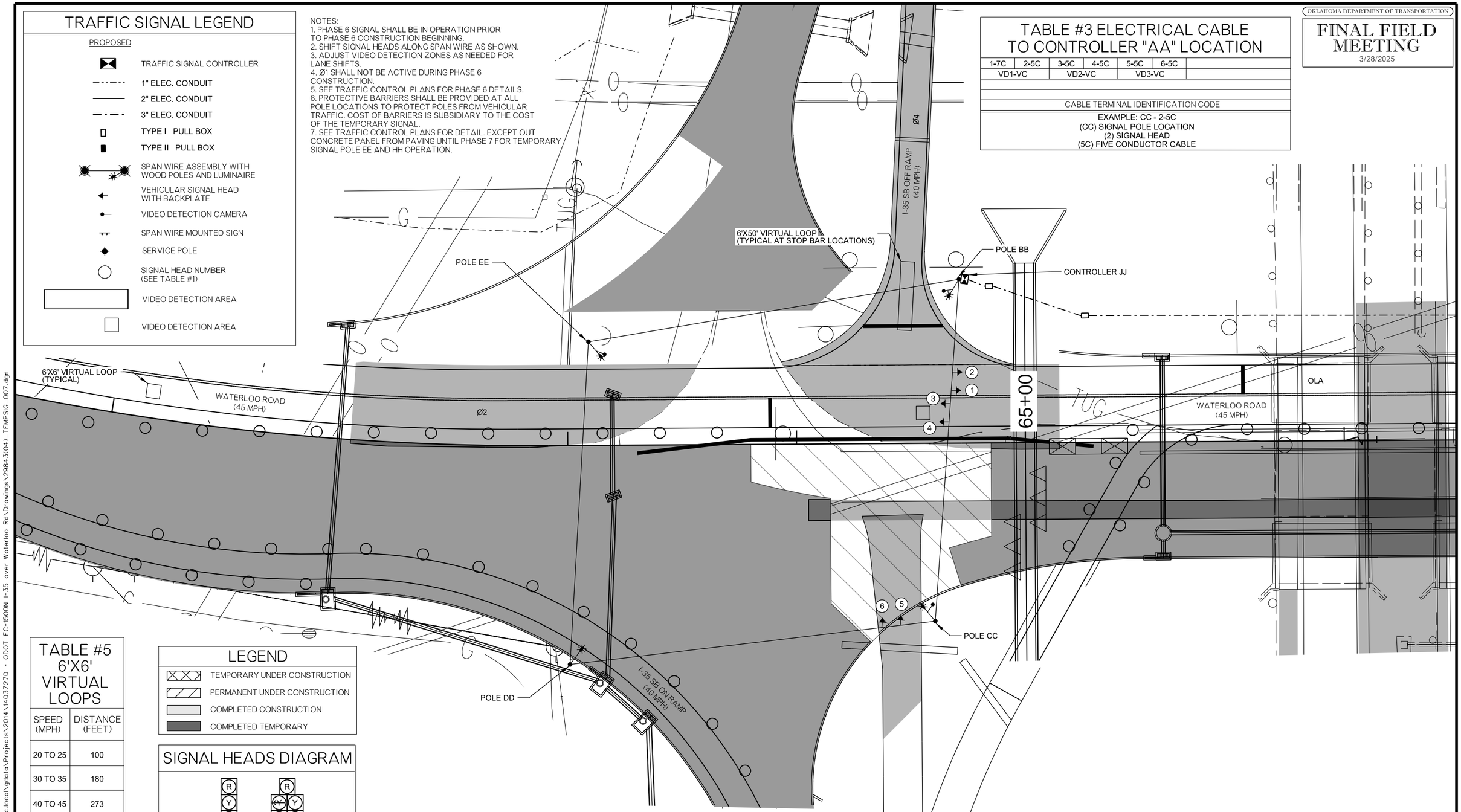


TABLE #5 6'X6' VIRTUAL LOOPS

SPEED (MPH)	DISTANCE (FEET)
20 TO 25	100
30 TO 35	180
40 TO 45	273
50 TO 55	386

LEGEND

- TEMPORARY UNDER CONSTRUCTION
- PERMANENT UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- COMPLETED TEMPORARY

SIGNAL HEADS DIAGRAM

TABLE #2 SPAN WIRE ASSEMBLY

POLE	STATION	OFFSET	SPAN WIRE ASSEMBLY	SIGNAL HEAD SPACING (FROM ℄ OF POLE)
BB	INSTALLED IN PHASE 4A		SEE STANDARD DRAWING SWD1-1	41', 49'
CC	INSTALLED IN PHASE 4A		SEE STANDARD DRAWING SWD1-1	87', 95'
DD	INSTALLED IN PHASE 4A		SEE STANDARD DRAWING SWD1-1	137', 145'
EE	INSTALLED IN PHASE 4A		SEE STANDARD DRAWING SWD1-1	-

TABLE #1 SIGNAL HEADS

SIGNAL HEAD NUMBER	NUMBER & TYPE	MOUNTING	VISOR	BACKPLATE
1 (EXISTING)	1 - 12" LENS (S-19)L	SPAN WIRE	V-1	B-2
2, 3, 4, 5 & 6 (EXISTING)	5 - 12" LENS (S-6)	SPAN WIRE	V-1	B-2

0 20 40 60

SCALE

PHASE 6

DESIGN	CEM	03/25
DRAWN	AS	03/25
CHECKED	NDT	03/25
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

TEMPORARY SIGNAL PLAN
SHEET 1 OF 2
(I-35 SB RAMPS AT WATERLOO RD.)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T086

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025

TABLE #2 SPAN WIRE ASSEMBLY

POLE	STATION	OFFSET	SPAN WIRE ASSEMBLY	SIGNAL HEAD SPACING (FROM ℄ OF POLE)
FF	INSTALLED IN PHASE 4A		SEE STANDARD DRAWING SWD1-1	46', 54'
GG	INSTALLED IN PHASE 4A		SEE STANDARD DRAWING SWD1-1	204', 212'
HH	INSTALLED IN PHASE 4A		SEE STANDARD DRAWING SWD1-1	-
II	INSTALLED IN PHASE 4A		SEE STANDARD DRAWING SWD1-1	82', 90'

TABLE #1 SIGNAL HEADS

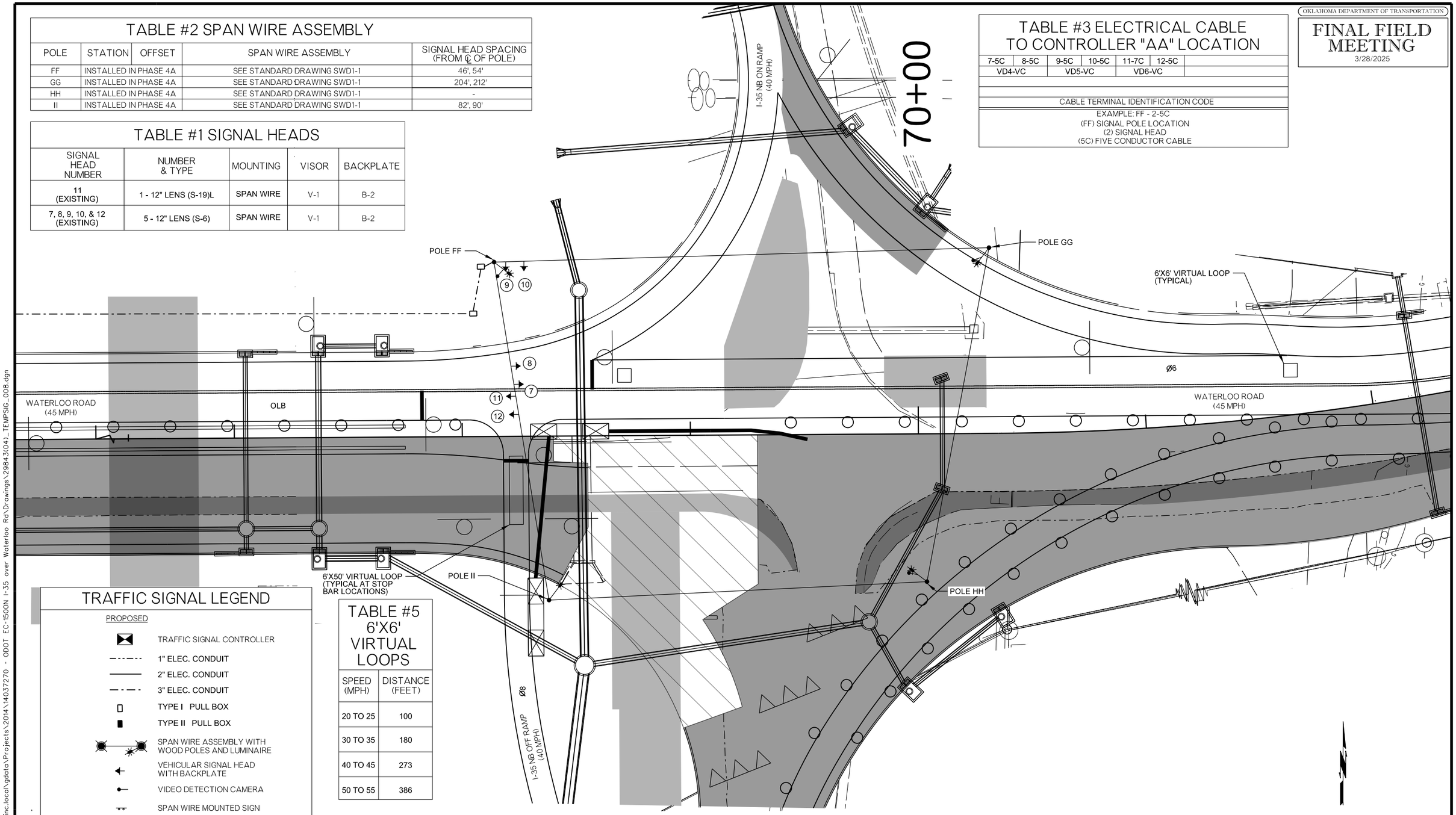
SIGNAL HEAD NUMBER	NUMBER & TYPE	MOUNTING	VISOR	BACKPLATE
11 (EXISTING)	1 - 12" LENS (S-19)L	SPAN WIRE	V-1	B-2
7, 8, 9, 10, & 12 (EXISTING)	5 - 12" LENS (S-6)	SPAN WIRE	V-1	B-2

TABLE #3 ELECTRICAL CABLE TO CONTROLLER "AA" LOCATION

7-5C	8-5C	9-5C	10-5C	11-7C	12-5C
VD4-VC		VD5-VC		VD6-VC	

CABLE TERMINAL IDENTIFICATION CODE

EXAMPLE: FF - 2-5C
(FF) SIGNAL POLE LOCATION
(2) SIGNAL HEAD
(5C) FIVE CONDUCTOR CABLE



TRAFFIC SIGNAL LEGEND

PROPOSED

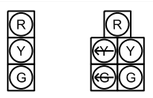
- TRAFFIC SIGNAL CONTROLLER
- 1" ELEC. CONDUIT
- 2" ELEC. CONDUIT
- 3" ELEC. CONDUIT
- TYPE I PULL BOX
- TYPE II PULL BOX
- SPAN WIRE ASSEMBLY WITH WOOD POLES AND LUMINAIRE
- VEHICULAR SIGNAL HEAD WITH BACKPLATE
- VIDEO DETECTION CAMERA
- SPAN WIRE MOUNTED SIGN
- SERVICE POLE
- SIGNAL HEAD NUMBER (SEE TABLE #1)
- VIDEO DETECTION AREA
- VIDEO DETECTION AREA

TABLE #5 6'X6' VIRTUAL LOOPS

SPEED (MPH)	DISTANCE (FEET)
20 TO 25	100
30 TO 35	180
40 TO 45	273
50 TO 55	386

NOTES:
1. PHASE 6 SIGNAL SHALL BE IN OPERATION PRIOR TO PHASE 6 CONSTRUCTION BEGINNING.
2. SHIFT SIGNAL HEADS ALONG SPAN WIRE AS SHOWN.
3. ADJUST VIDEO DETECTION ZONES AS NEEDED FOR LANE SHIFTS.
4. SEE TRAFFIC CONTROL PLANS FOR PHASE 6 DETAILS.
5. PROTECTIVE BARRIERS SHALL BE PROVIDED AT ALL POLE LOCATIONS TO PROTECT POLES FROM VEHICULAR TRAFFIC. COST OF BARRIERS IS SUBSIDIARY TO THE COST OF THE TEMPORARY SIGNAL.
6. SEE TRAFFIC CONTROL PLANS FOR DETAIL. EXCEPT OUT CONCRETE PANEL FROM PAVING UNTIL PHASE 7 FOR TEMPORARY SIGNAL POLE EE AND HH OPERATION.

SIGNAL HEADS DIAGRAM



(S-6) (12" LENS) (S-19L) (12" LENS)

LEGEND

- TEMPORARY UNDER CONSTRUCTION
- PERMANENT UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- COMPLETED TEMPORARY

0 20 40 60
SCALE

PHASE 6

DESIGN	CEM	03/25
DRAWN	AS	03/25
CHECKED	NDT	03/25
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

TEMPORARY SIGNAL PLAN
SHEET 2 OF 2
(I-35 NB RAMPS AT WATERLOO RD.)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T087

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025

TRAFFIC SIGNAL LEGEND

PROPOSED

- TRAFFIC SIGNAL CONTROLLER
- 1" ELEC. CONDUIT
- 2" ELEC. CONDUIT
- 3" ELEC. CONDUIT
- TYPE I PULL BOX
- TYPE II PULL BOX
- SPAN WIRE ASSEMBLY WITH WOOD POLES AND LUMINAIRE
- VEHICULAR SIGNAL HEAD WITH BACKPLATE
- VIDEO DETECTION CAMERA
- SPAN WIRE MOUNTED SIGN
- SERVICE POLE
- SIGNAL HEAD NUMBER (SEE TABLE #1)
- VIDEO DETECTION AREA
- VIDEO DETECTION AREA

NOTES:
1. PHASE 7 SIGNAL SHALL BE IN OPERATION PRIOR TO PHASE 7 CONSTRUCTION BEGINNING.
2. SHIFT SIGNAL HEADS ALONG SPAN WIRE AS SHOWN.
3. ADJUST VIDEO DETECTION ZONES AS NEEDED FOR LANE SHIFTS.
4. SIGNAL HEADS 5 AND 6 SHALL BE COVERED DURING PHASE 7 CONSTRUCTION.
5. SEE TRAFFIC CONTROL PLANS FOR PHASE 7 DETAILS.
6. PROTECTIVE BARRIERS SHALL BE PROVIDED AT ALL POLE LOCATIONS TO PROTECT POLES FROM VEHICULAR TRAFFIC. COST OF BARRIERS IS SUBSIDIARY TO THE COST OF THE TEMPORARY SIGNAL.
7. SEE TRAFFIC CONTROL PLANS FOR DETAIL. EXCEPT OUT CONCRETE PANEL FROM PAVING UNTIL PHASE 7 FOR TEMPORARY SIGNAL POLE EE AND HH OPERATION.

TABLE #3 ELECTRICAL CABLE TO CONTROLLER "AA" LOCATION

1-7C	2-5C	3-5C	4-5C	5-5C	6-5C
VD1-VC		VD2-VC		VD3-VC	

CABLE TERMINAL IDENTIFICATION CODE

EXAMPLE: CC - 2-5C
(CC) SIGNAL POLE LOCATION
(2) SIGNAL HEAD
(5C) FIVE CONDUCTOR CABLE

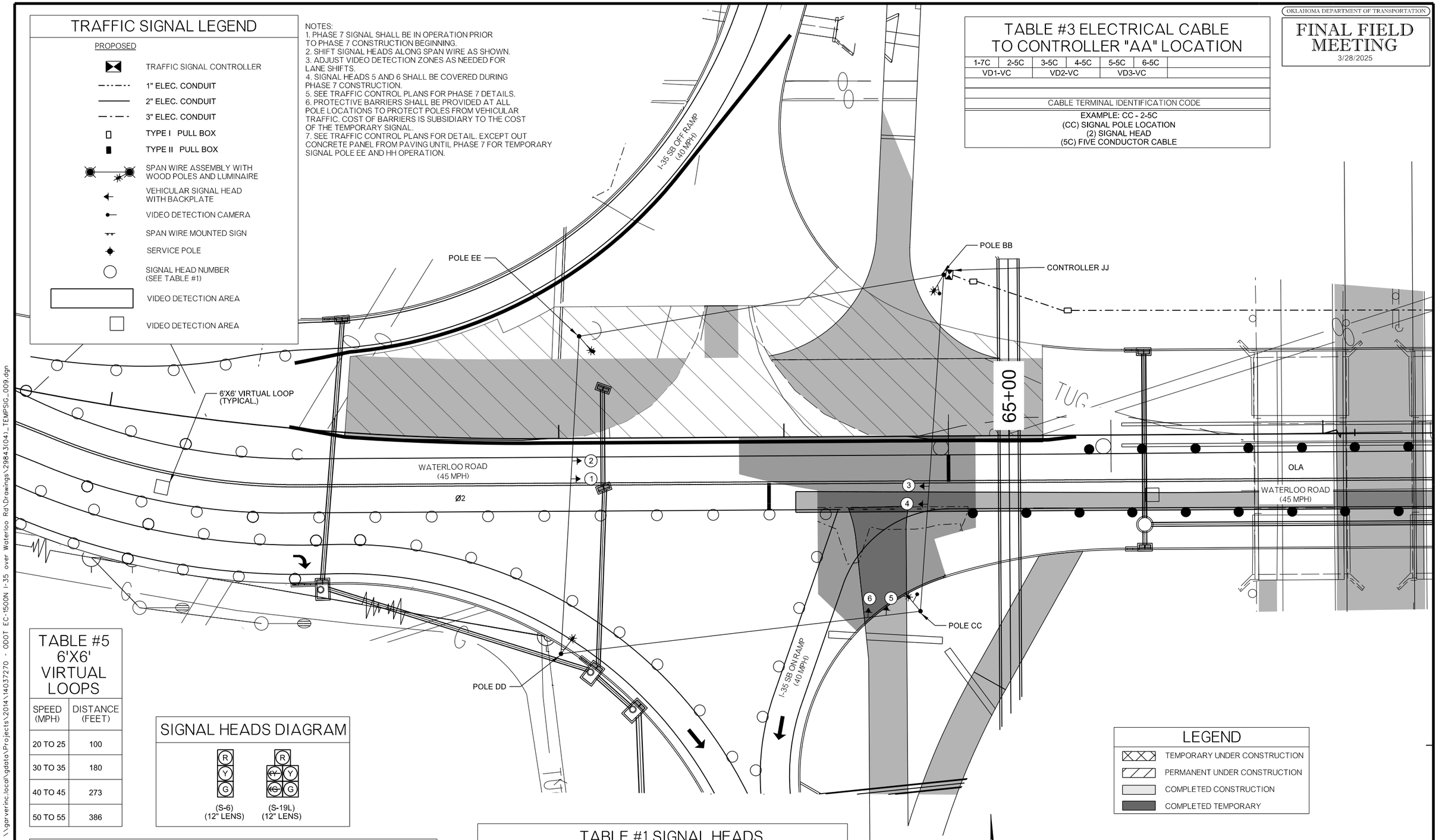


TABLE #5 6'X6' VIRTUAL LOOPS

SPEED (MPH)	DISTANCE (FEET)
20 TO 25	100
30 TO 35	180
40 TO 45	273
50 TO 55	386

SIGNAL HEADS DIAGRAM

(S-6) (12" LENS) (S-19L) (12" LENS)

TABLE #2 SPAN WIRE ASSEMBLY

POLE	STATION	OFFSET	SPAN WIRE ASSEMBLY	SIGNAL HEAD SPACING (FROM ℄ OF POLE)
BB	INSTALLED IN PHASE 4A		SEE STANDARD DRAWING SWD1-1	-
CC	INSTALLED IN PHASE 4A		SEE STANDARD DRAWING SWD1-1	48', 56'
DD	INSTALLED IN PHASE 4A		SEE STANDARD DRAWING SWD1-1	137', 145'
EE	INSTALLED IN PHASE 4A		SEE STANDARD DRAWING SWD1-1	55', 63'

TABLE #1 SIGNAL HEADS

SIGNAL HEAD NUMBER	NUMBER & TYPE	MOUNTING	VISOR	BACKPLATE
1 (EXISTING)	1 - 12" LENS (S-19)L	SPAN WIRE	V-1	B-2
2, 3, 4, 5 & 6 (EXISTING)	5 - 12" LENS (S-6)	SPAN WIRE	V-1	B-2

LEGEND

- TEMPORARY UNDER CONSTRUCTION
- PERMANENT UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- COMPLETED TEMPORARY

0 20 40 60
SCALE

PHASE 7

DESIGN	CEM	03/25
DRAWN	AS	03/25
CHECKED	NDT	03/25
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

TEMPORARY SIGNAL PLAN
SHEET 1 OF 2
(I-35 SB RAMPS AT WATERLOO RD.)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T08

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

TRAFFIC SIGNAL LEGEND

PROPOSED

- TRAFFIC SIGNAL CONTROLLER
- 1" ELEC. CONDUIT
- 2" ELEC. CONDUIT
- 3" ELEC. CONDUIT
- TYPE I PULL BOX
- TYPE II PULL BOX
- SPAN WIRE ASSEMBLY WITH WOOD POLES AND LUMINAIRE
- VEHICULAR SIGNAL HEAD WITH BACKPLATE
- VIDEO DETECTION CAMERA
- SPAN WIRE MOUNTED SIGN
- SERVICE POLE
- SIGNAL HEAD NUMBER (SEE TABLE #1)
- VIDEO DETECTION AREA
- VIDEO DETECTION AREA

NOTES:
1. PHASE 7 SIGNAL SHALL BE IN OPERATION PRIOR TO PHASE 7 CONSTRUCTION BEGINNING.
2. SHIFT SIGNAL HEADS ALONG SPAN WIRE AS SHOWN.
3. ADJUST VIDEO DETECTION ZONES AS NEEDED FOR LANE SHIFTS.
4. SEE TRAFFIC CONTROL PLANS FOR PHASE 7 DETAILS.
5. PROTECTIVE BARRIERS SHALL BE PROVIDED AT ALL POLE LOCATIONS TO PROTECT POLES FROM VEHICULAR TRAFFIC. COST OF BARRIERS IS SUBSIDIARY TO THE COST OF THE TEMPORARY SIGNAL.
6. SEE TRAFFIC CONTROL PLANS FOR DETAIL. EXCEPT OUT CONCRETE PANEL FROM PAVING UNTIL PHASE 7 FOR TEMPORARY SIGNAL POLE EE AND HH OPERATION.

TABLE #3 ELECTRICAL CABLE TO CONTROLLER "AA" LOCATION

7-5C	8-5C	9-5C	10-5C	11-7C	12-5C
VD4-VC		VD5-VC		VD6-VC	

CABLE TERMINAL IDENTIFICATION CODE

EXAMPLE: FF - 2-5C
(FF) SIGNAL POLE LOCATION
(2) SIGNAL HEAD
(5C) FIVE CONDUCTOR CABLE

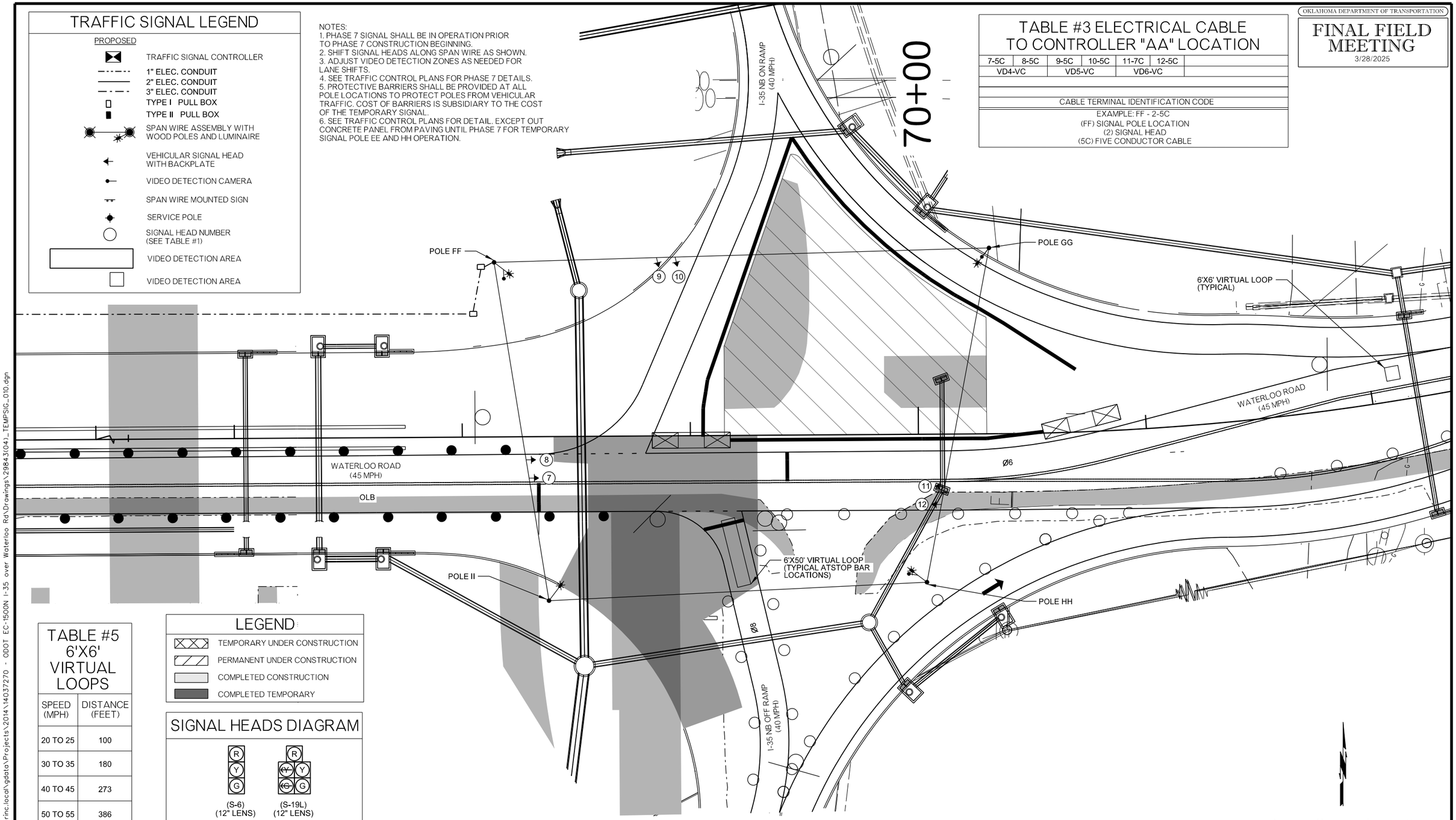


TABLE #5 6'X6' VIRTUAL LOOPS

SPEED (MPH)	DISTANCE (FEET)
20 TO 25	100
30 TO 35	180
40 TO 45	273
50 TO 55	386

LEGEND

- TEMPORARY UNDER CONSTRUCTION
- PERMANENT UNDER CONSTRUCTION
- COMPLETED CONSTRUCTION
- COMPLETED TEMPORARY

SIGNAL HEADS DIAGRAM

TABLE #2 SPAN WIRE ASSEMBLY

POLE	STATION	OFFSET	SPAN WIRE ASSEMBLY	SIGNAL HEAD SPACING (FROM ℄ OF POLE)
FF	INSTALLED IN PHASE 4A		SEE STANDARD DRAWING SWD1-1	88', 96'
GG	INSTALLED IN PHASE 4A		SEE STANDARD DRAWING SWD1-1	137', 145'
HH	INSTALLED IN PHASE 4A		SEE STANDARD DRAWING SWD1-1	35', 43'
II	INSTALLED IN PHASE 4A		SEE STANDARD DRAWING SWD1-1	-

TABLE #1 SIGNAL HEADS

SIGNAL HEAD NUMBER	NUMBER & TYPE	MOUNTING	VISOR	BACKPLATE
11 (EXISTING)	1 - 12" LENS (S-19)L	SPAN WIRE	V-1	B-2
7, 8, 9, 10, & 12 (EXISTING)	5 - 12" LENS (S-6)	SPAN WIRE	V-1	B-2

0 20 40 60
SCALE

PHASE 7

DESIGN	CEM	03/25
DRAWN	AS	03/25
CHECKED	NDT	03/25
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

TEMPORARY SIGNAL PLAN
SHEET 2 OF 2
(I-35 NB RAMPS AT WATERLOO RD.)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T089

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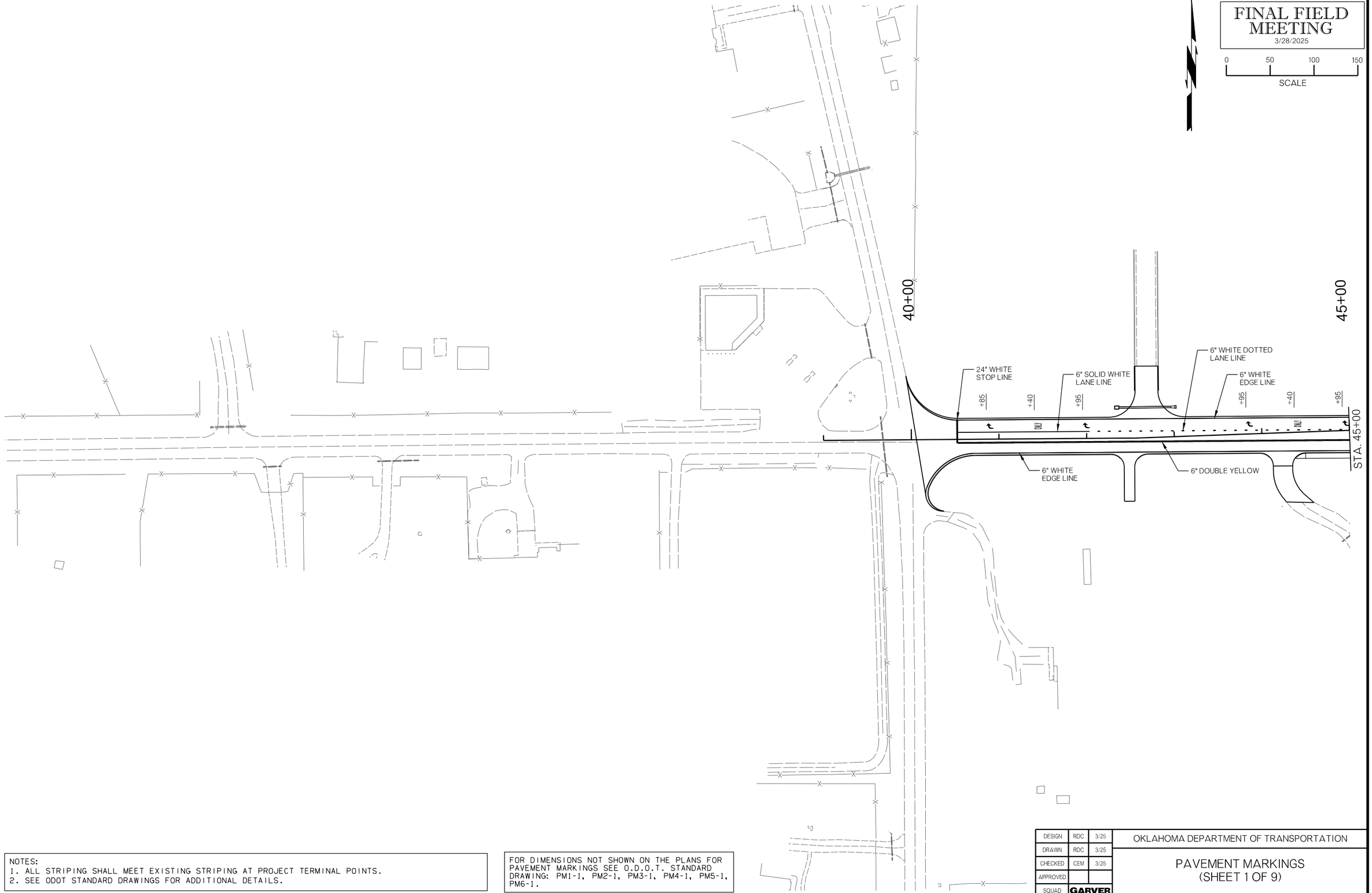
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 50 100 150

SCALE



NOTES:
1. ALL STRIPING SHALL MEET EXISTING STRIPING AT PROJECT TERMINAL POINTS.
2. SEE ODOT STANDARD DRAWINGS FOR ADDITIONAL DETAILS.

FOR DIMENSIONS NOT SHOWN ON THE PLANS FOR PAVEMENT MARKINGS SEE O.D.O.T. STANDARD DRAWING: PM1-1, PM2-1, PM3-1, PM4-1, PM5-1, PM6-1.

DESIGN	RDC	3/25
DRAWN	RDC	3/25
CHECKED	CEM	3/25
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS
(SHEET 1 OF 9)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T090

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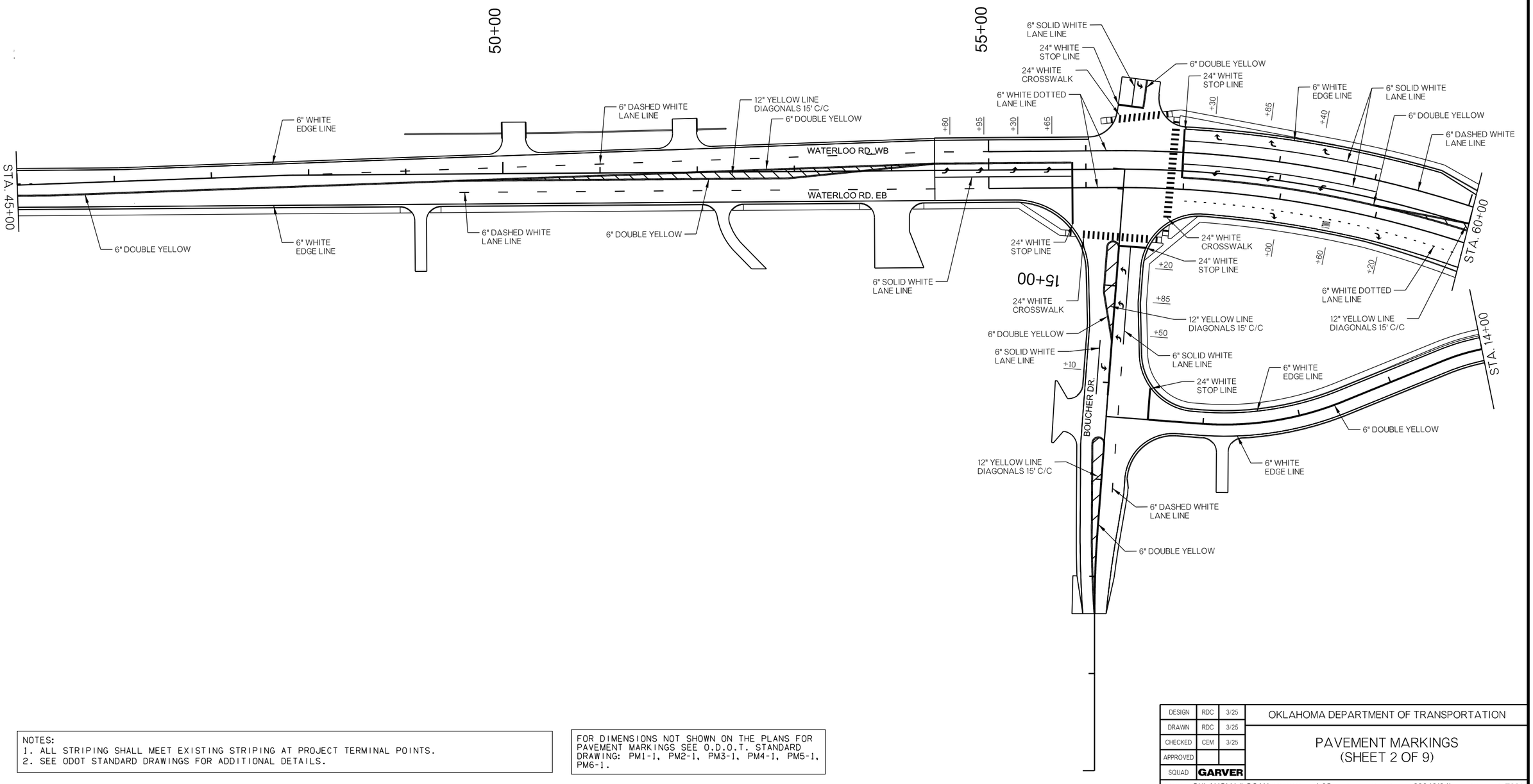
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 50 100 150

SCALE



NOTES:
1. ALL STRIPING SHALL MEET EXISTING STRIPING AT PROJECT TERMINAL POINTS.
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DESIGN	RDC	3/25
DRAWN	RDC	3/25
CHECKED	CEM	3/25
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS
(SHEET 2 OF 9)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T091

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 50 100 150

SCALE

(RAMP C) STA. 142+00

(RAMP D) STA. 142+00

STA. 142+00

60+00

65+00

70+00

140+00

STA. 60+00

STA. 75+00

STA. 14+00

WATERLOO RD. EB

WATERLOO RD. WB

6" DASHED WHITE LANE LINE

12" YELLOW LINE DIAGONALS 15' C/C

6" DOUBLE YELLOW

6" YELLOW EDGE LINE

24" WHITE CROSSWALK

24" WHITE STOP LINE

6" WHITE EDGE LINE

6" SOLID WHITE LANE LINE

6" WHITE DOTTED LANE LINE

6" SOLID WHITE LANE LINE

6" DASHED WHITE LANE LINE

6" DOUBLE YELLOW

+55 +00 +30 +25 +75 +45 +25 +80 +35 +90 +45 +90 +25 +90 +35

RAMP A

RAMP B

INTERSTATE 35 SB

INTERSTATE 35 NB

8" YELLOW EDGE LINE

8" WHITE EDGE LINE

8" DASHED WHITE/BLACK LANE LINE

STA. 133+00 (RAMP A)

STA. 133+00

STA. 133+00 (RAMP B)

135+00

135+00 (RAMP B)

STA. 15+50

15+00

INDUSTRIAL BLVD.

+35 +80 +25 +70 +15 +60

WRONG-WAY ARROW DETAIL

PLACE ARROW 8' AHEAD OF STOP LINE

FOR DIMENSIONS NOT SHOWN ON THE PLANS FOR PAVEMENT MARKINGS SEE O.D.O.T. STANDARD DRAWING: PM1-1, PM2-1, PM3-1, PM4-1, PM5-1, PM6-1.

NOTES:
1. ALL STRIPING SHALL MEET EXISTING STRIPING AT PROJECT TERMINAL POINTS.
2. SEE ODOT STANDARD DRAWINGS FOR ADDITIONAL DETAILS.

DESIGN	RDC	3/25
DRAWN	RDC	3/25
CHECKED	CEM	3/25
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS (SHEET 3 OF 9)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T092

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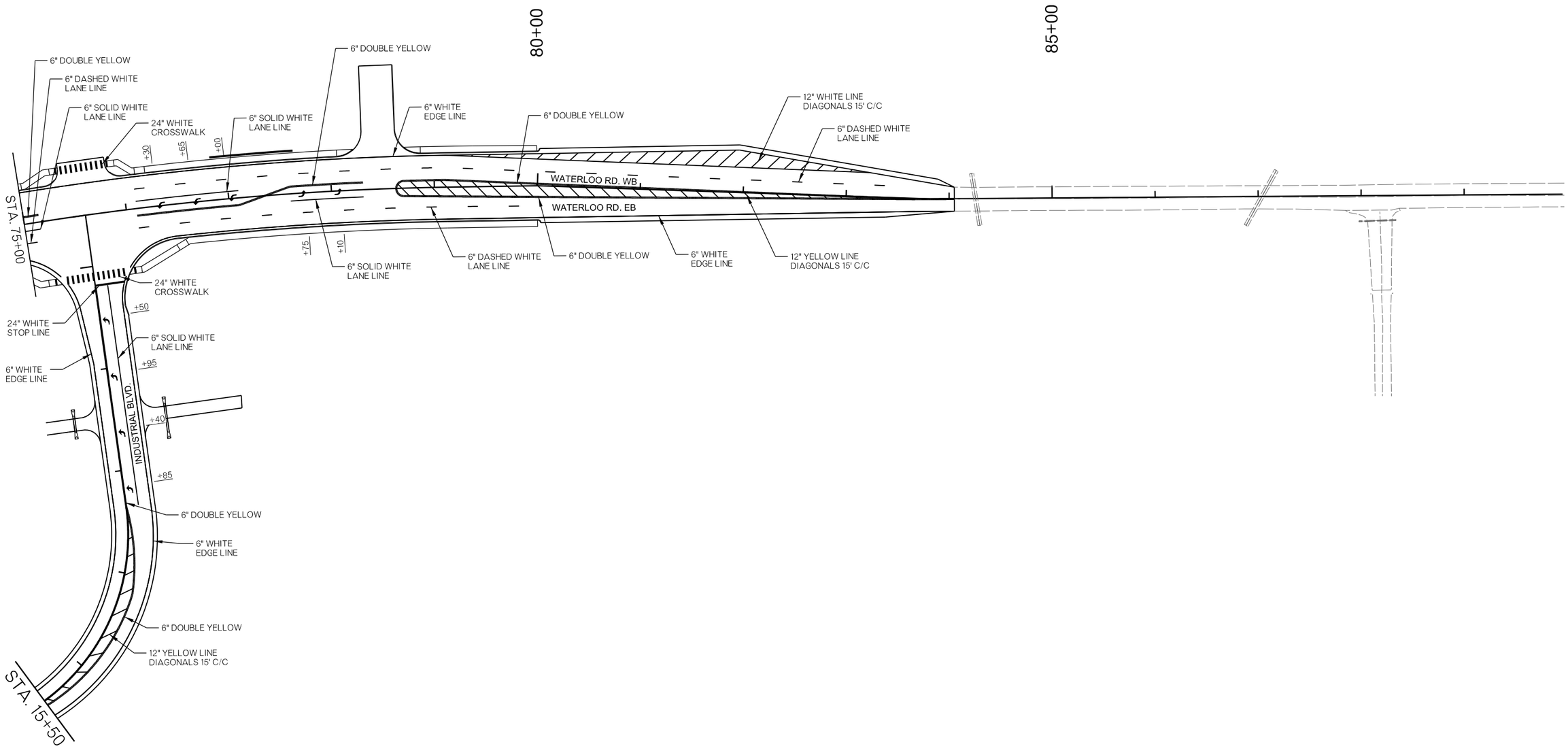
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 50 100 150

SCALE



NOTES:
1. ALL STRIPING SHALL MEET EXISTING STRIPING AT PROJECT TERMINAL POINTS.
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FOR DIMENSIONS NOT SHOWN ON THE PLANS FOR PAVEMENT MARKINGS SEE O.D.O.T. STANDARD DRAWING: PM1-1, PM2-1, PM3-1, PM4-1, PM5-1, PM6-1.

DESIGN	RDC	3/25
DRAWN	RDC	3/25
CHECKED	CEM	3/25
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS
(SHEET 4 OF 9)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T093

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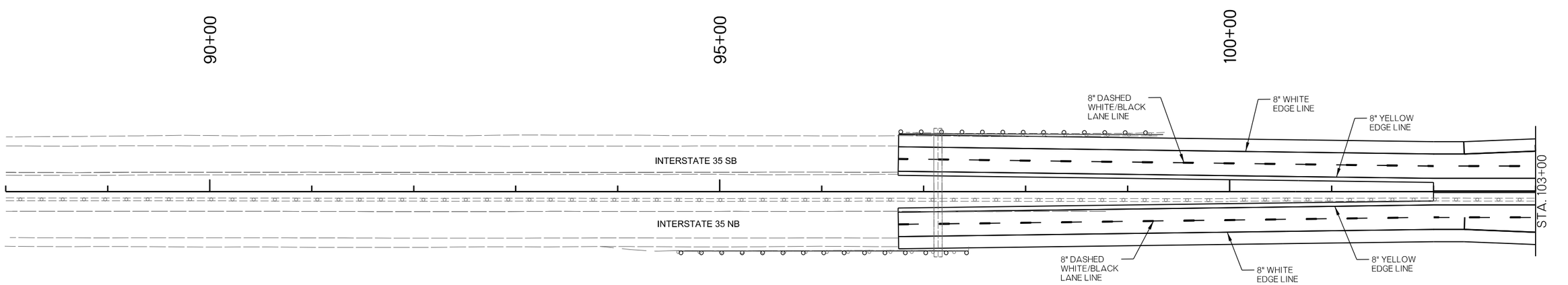
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 50 100 150

SCALE



NOTES:
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DESIGN	RDC	3/25
DRAWN	RDC	3/25
CHECKED	CEM	3/25
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS
(SHEET 5 OF 9)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T094

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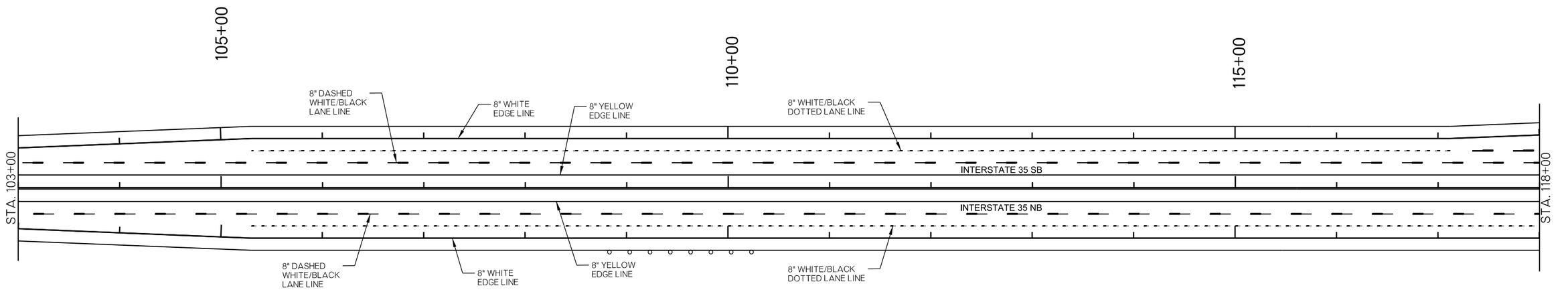
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 50 100 150

SCALE



NOTES:
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DESIGN	RDC	3/25
DRAWN	RDC	3/25
CHECKED	CEM	3/25
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS
(SHEET 6 OF 9)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T095

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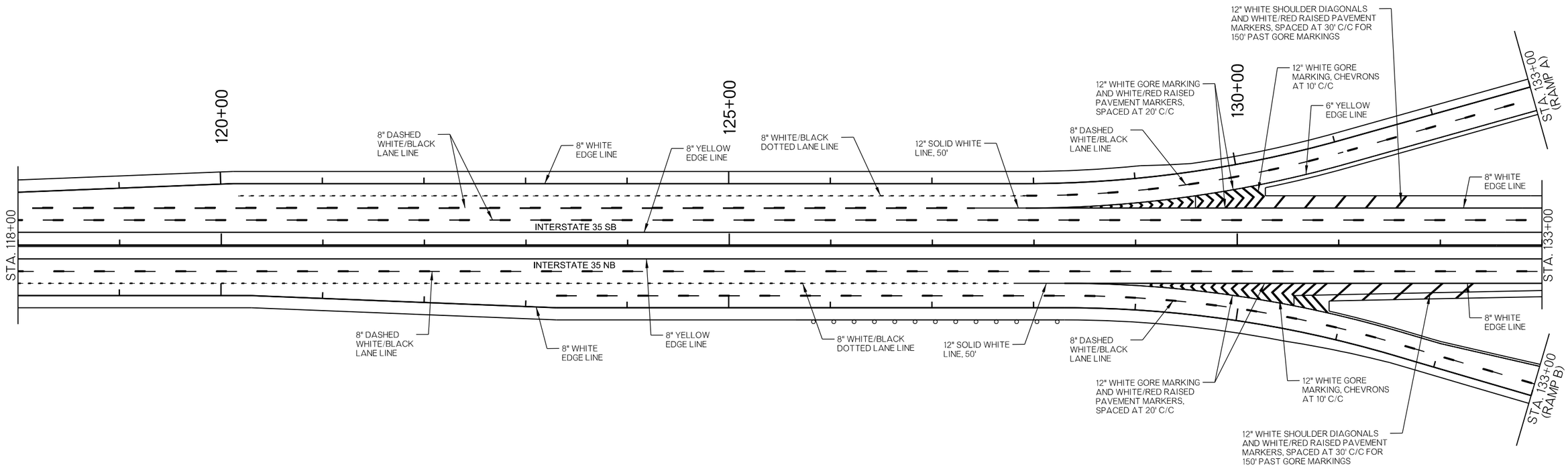
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 50 100 150

SCALE



NOTES:
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DESIGN	RDC	3/25
DRAWN	RDC	3/25
CHECKED	CEM	3/25
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS
(SHEET 7 OF 9)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T096

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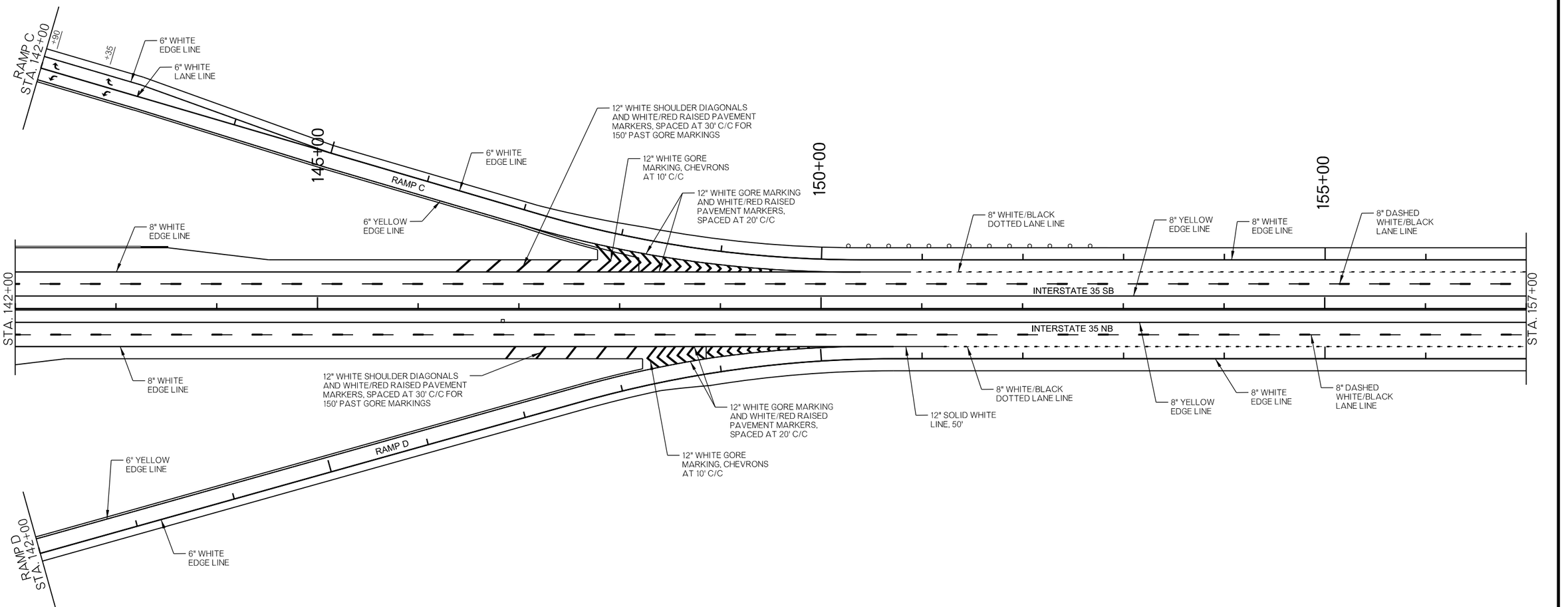
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 50 100 150

SCALE



NOTES:
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DESIGN	RDC	3/25
DRAWN	RDC	3/25
CHECKED	CEM	3/25
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS
(SHEET 8 OF 9)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T097

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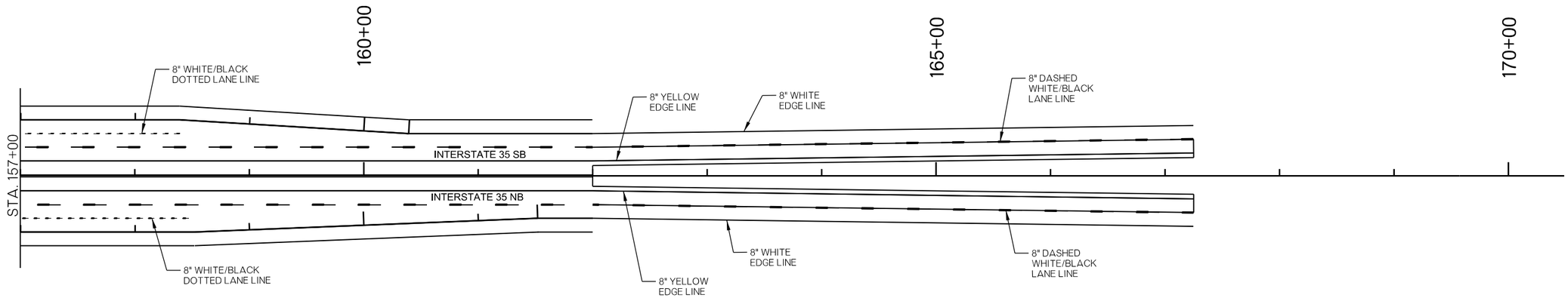
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 50 100 150

SCALE



NOTES:
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FOR DIMENSIONS NOT SHOWN ON THE PLANS FOR PAVEMENT MARKINGS SEE O.D.O.T. STANDARD DRAWING: PM1-1, PM2-1, PM3-1, PM4-1, PM5-1, PM6-1.

DESIGN	RDC	3/25
DRAWN	RDC	3/25
CHECKED	CEM	3/25
APPROVED		
SQUAD	GARVER	

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PAVEMENT MARKINGS
(SHEET 9 OF 9)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T098

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 50 100 150

SCALE

40+00

STA. 40+35 LT
R1-1E & R1-3P

1

STOP

ALL WAY

2

STA. 44+50 LT
R3-7E(R)

RIGHT LANE
MUST
TURN RIGHT

45+00

ONLY

ONLY

STA. 45+00

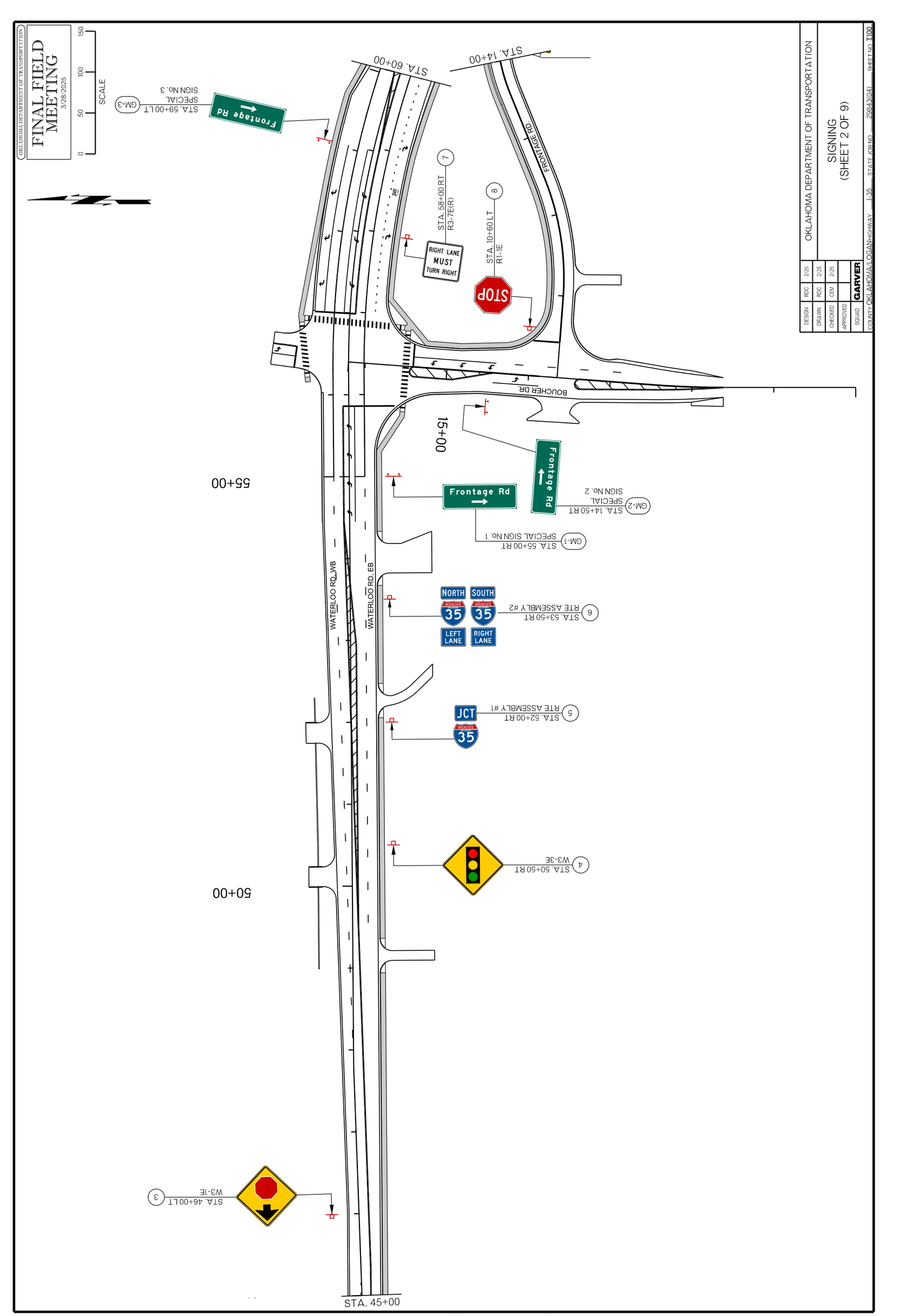
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DRAWN	RDC	2/25
CHECKED	CEM	2/25
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SIGNING
(SHEET 1 OF 9)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T099

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FINAL FIELD MEETING
3/28/2025
SCALE
0
50
100
150
OKLAHOMA DEPARTMENT OF TRANSPORTATION
SIGNING
(SHEET 2 OF 9)
DESIGN ROC 2/25
DRAWN ROC 2/25
CHECKED CEM 2/25
APPROVED
SQUAD GARVER
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T100
STA. 60+00
STA. 14+00
FRONTAGE RD.
BOUCHER DR
WATERLOO RD. WB
WATERLOO RD. EB
15+00
55+00
50+00
STA. 45+00
GM-3 STA. 59+00 LT SPECIAL SIGN No. 3
Frontage Rd
7 STA. 58+00 RT R3-7E(R)
RIGHT LANE MUST TURN RIGHT
8 STA. 10+60 LT R1-1E
STOP
Frontage Rd
GM-2 STA. 14+50 RT SPECIAL SIGN No. 2
Frontage Rd
GM-1 STA. 55+00 RT SPECIAL SIGN No. 1
NORTH SOUTH
35 35
LEFT LANE RIGHT LANE
6 STA. 53+50 RT RTE ASSEMBLY #2
JCT
35
5 STA. 52+00 RT RTE ASSEMBLY #1
4 STA. 50+50 RT W3-3E
3 STA. 46+00 LT W3-1E

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

SCALE 0 50 100 150

STA. 16+52 (WBBL WATERLOO RD) MS-2
OVERHEAD SIGN STR. 60'
SPECIAL SIGN No. 8 & 9



SPECIAL SIGN No.8



SPECIAL SIGN No.9

(RAMP C) STA. 142+00

(RAMP D) STA. 142+00

STA. 142+00

STA. 69+15 LT GM-5
SPECIAL SIGN No. 7



60+00

65+00

140+00

STA. 60+00

STA. 75+00

13 14 STA. 141+50 RT & LT
R5-1aE



11 STA. 62+65 CT
R4-7 & OM1-1

15 STA. 63+90 CT
R4-8 & OM1-1

18 STA. 140+45 RT
R1-2E



70+00

STA. 70+05 LT 19
R5-1E & R3-1E



STA. 71+35 CT & LT 21,22
W1-4b & W13-1P



STA. 72+70 CT 23
R6-1(R)



WATERLOO RD. EB

WATERLOO RD. WB

STA. 14+00



9,10 STA. 61+00 CT & RT
W1-4b & W13-1P



12 STA. 63+10 RT
R5-1E & R3-1E



GM-4 STA. 64+20 RT
SPECIAL
SIGN No. 6

17 STA. 69+35 CT
R4-8 & OM1-1



24 STA. 137+40 LT
R5-1aE

20 STA. 70+65 CT
R4-7 & OM1-1



STA. 137+00 RT 25
R5-1aE



STA. 137+00 RT 26
R3-8E (MODIFIED)

GM-6 STA. 74+00 RT
SPECIAL
SIGN No. 10





SPECIAL SIGN No.4



SPECIAL SIGN No.5

STA. 6+00 (EBBL WATERLOO RD) MS-1
OVERHEAD SIGN STR. 70'
SPECIAL SIGN No. 4 & 5

RAMP A

INTERSTATE 35 SB

INTERSTATE 35 NB

135+00

16 STA. 134+00 LT
W4-1E(R)

STA. 133+00 (RAMP A)

STA. 133+00

STA. 133+00 (RAMP B)

RAMP B

STA. 134+50 RT (RAMP B) 27
R3-8E MODIFIED

135+00 (RAMP B)



INDUSTRIAL BLVD.

15+00

STA. 15+50

28 STA. 13+50 RT
W3-1

STA. 14+82 RT 29
W1-8

DESIGN	RDC	2/25	OKLAHOMA DEPARTMENT OF TRANSPORTATION
DRAWN	RDC	2/25	
CHECKED	NEM	2/25	SIGNING (SHEET 3 OF 9)
APPROVED			
SQUAD	GARVER		

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T101

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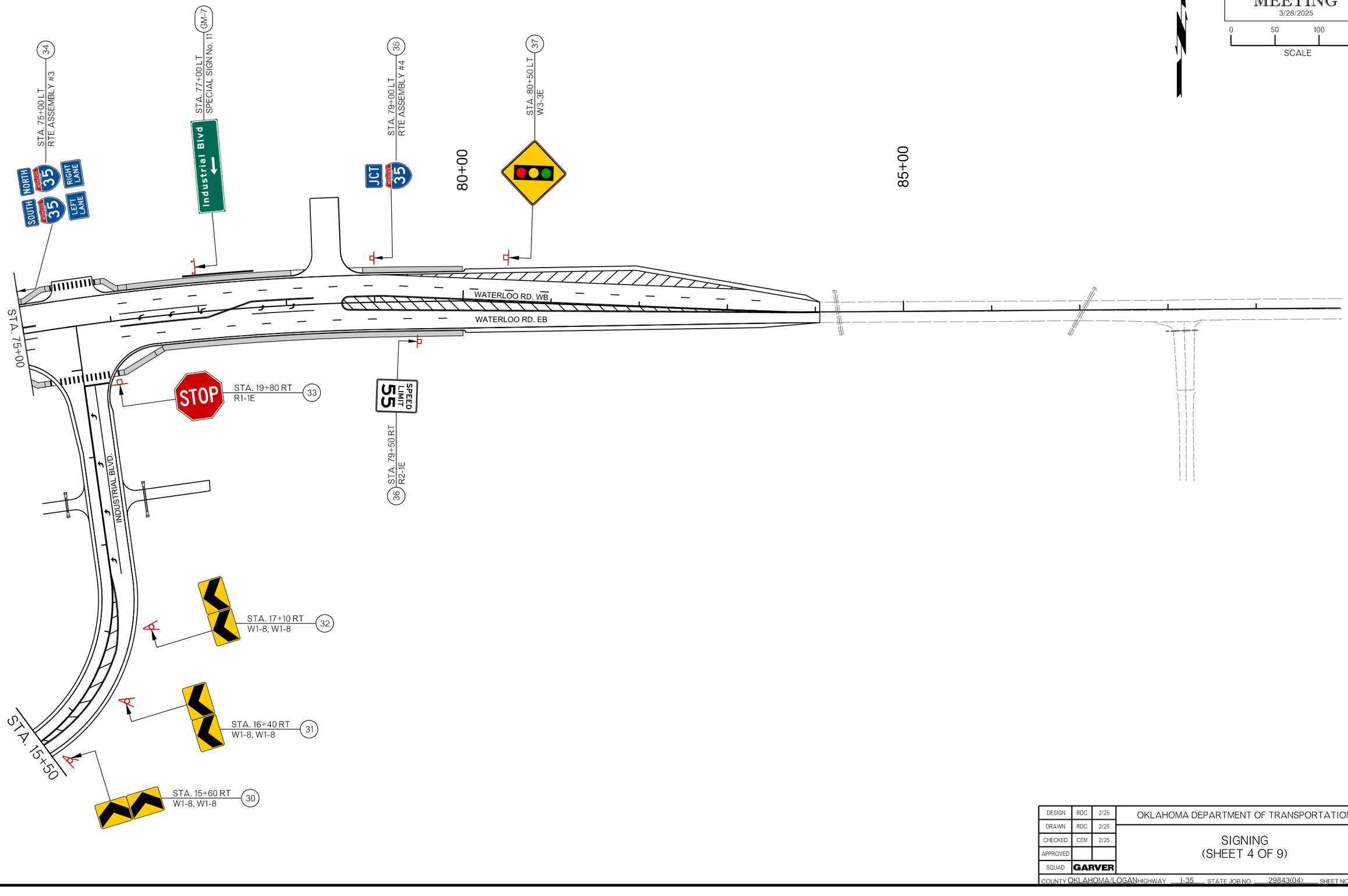
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 50 100 150

SCALE



DESIGN	RDC	2/25
DRAWN	RDC	2/25
CHECKED	CEM	2/25
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SIGNING
(SHEET 4 OF 9)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T102

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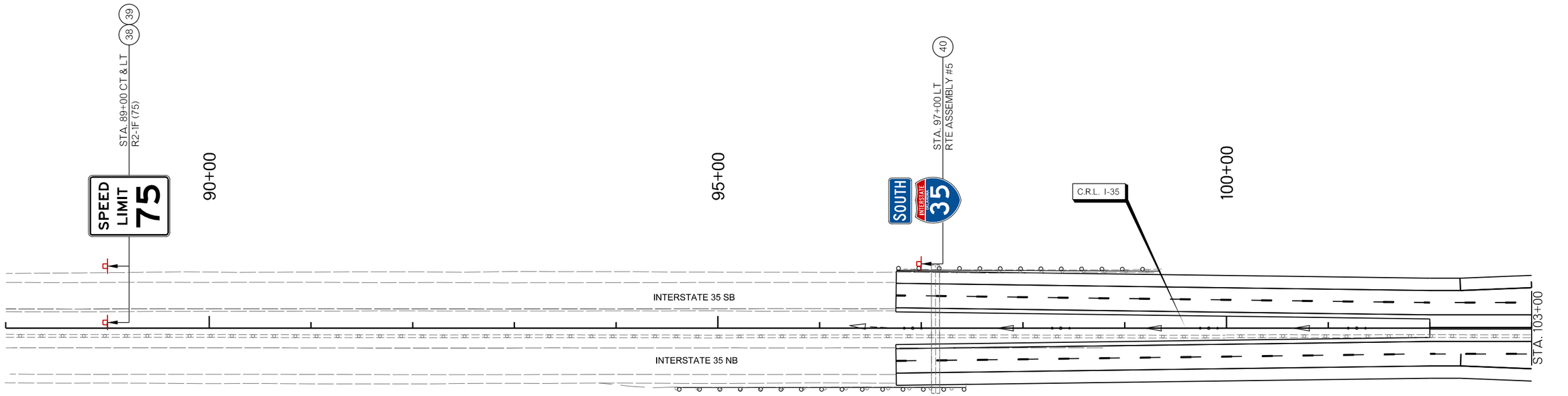
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 50 100 150

SCALE



DESIGN	RDC	2/25	OKLAHOMA DEPARTMENT OF TRANSPORTATION
DRAWN	RDC	2/25	
CHECKED	CEM	2/25	SIGNING (SHEET 5 OF 9)
APPROVED			
SQUAD	GARVER		

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T103

3/28/2025 9:57:09 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843(04)_SIGNS_005.dgn

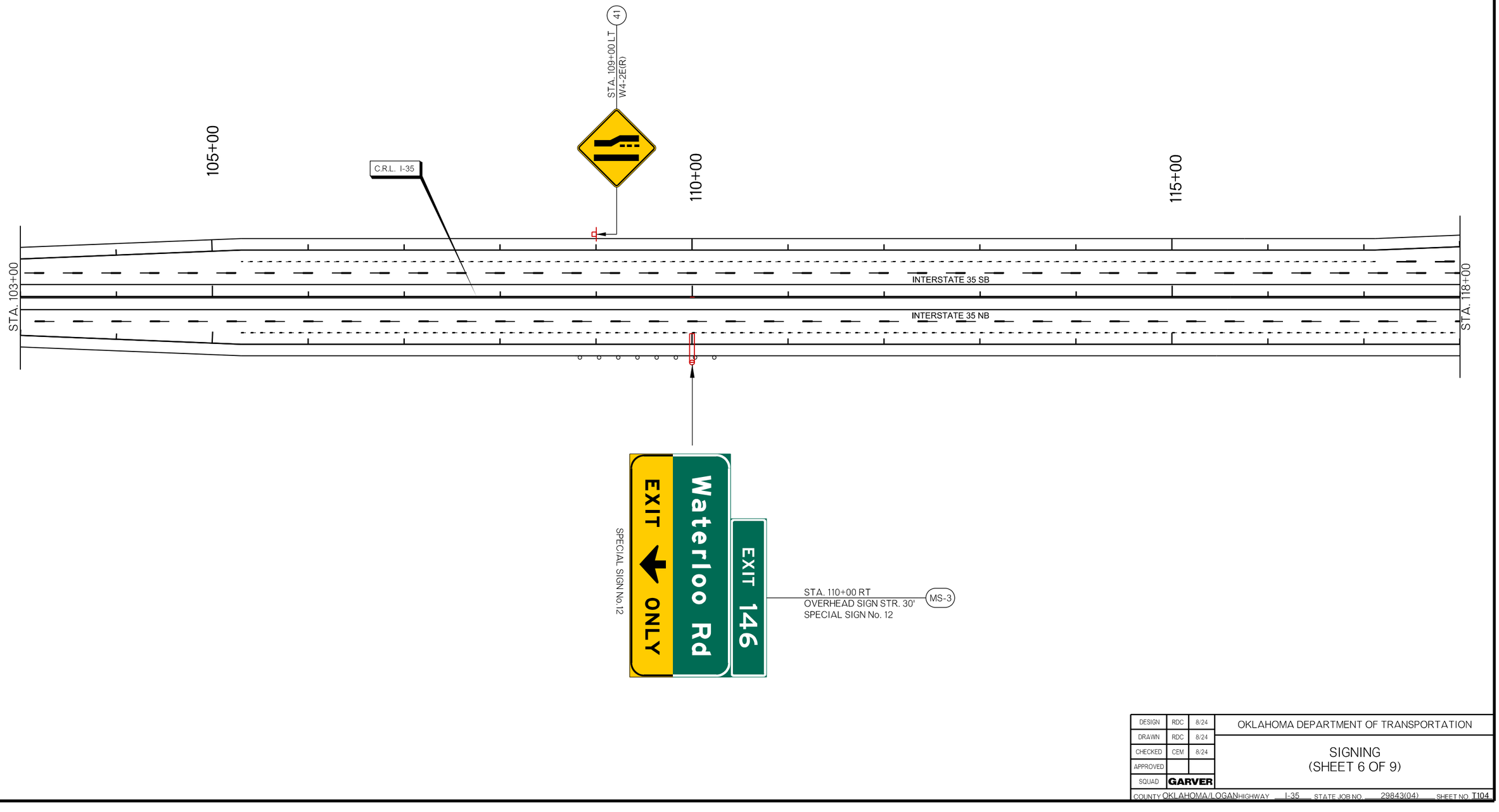
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 50 100 150

SCALE



DESIGN	RDC	8/24
DRAWN	RDC	8/24
CHECKED	CEM	8/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SIGNING
(SHEET 6 OF 9)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T104

3/28/2025 9:57:14 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843(04)_SIGNS_006.dgn

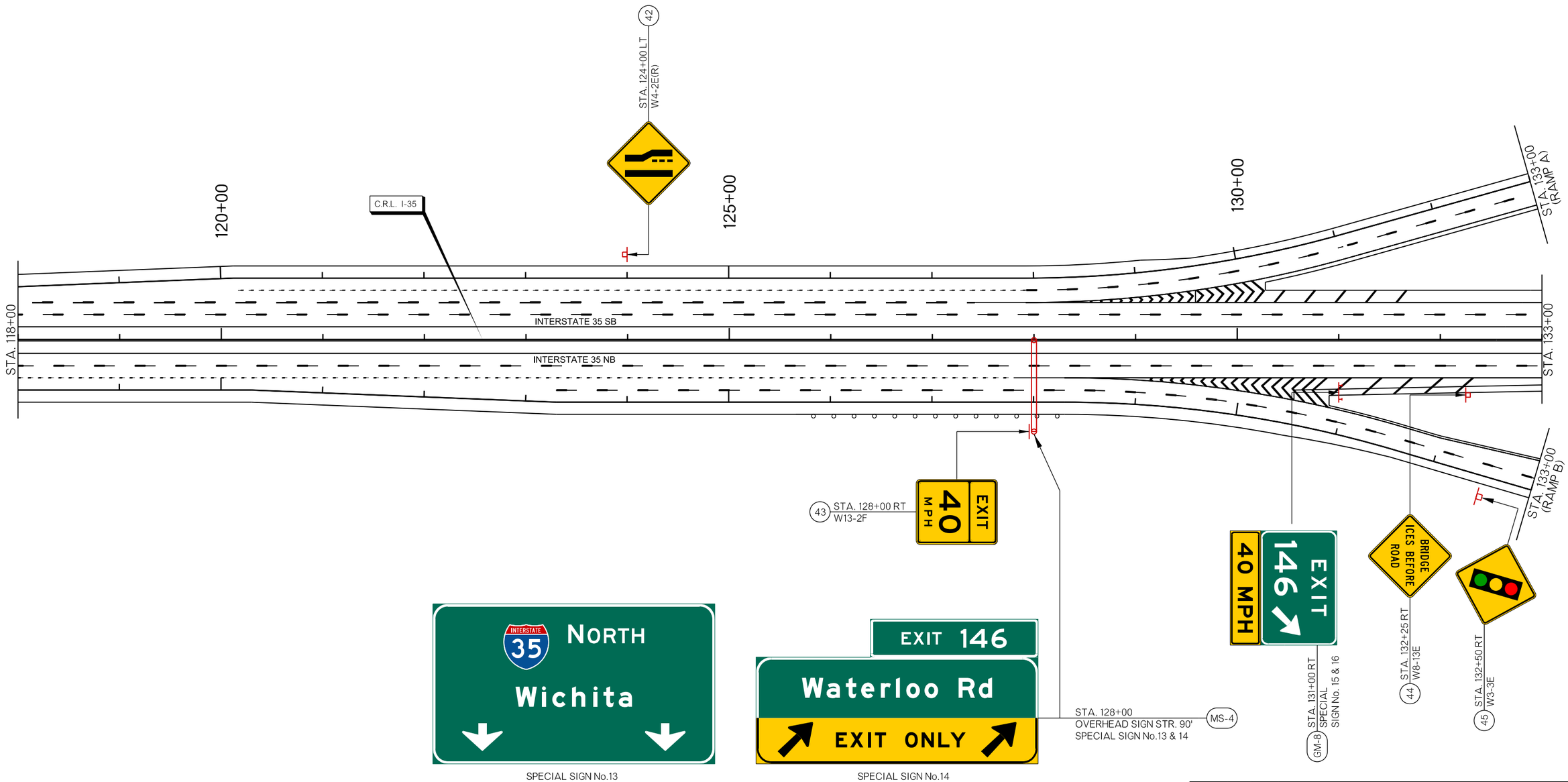
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 50 100 150

SCALE



SPECIAL SIGN No.13

SPECIAL SIGN No.14

DESIGN	RDC	2/25
DRAWN	RDC	2/25
CHECKED	CEM	2/25
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SIGNING
(SHEET 7 OF 9)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T105

3/28/2025 9:57:19 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843(04)_SIGNS_007.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 50 100 150

SCALE



DESIGN	RDC	2/25
DRAWN	RDC	2/25
CHECKED	CEM	2/25
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SIGNING
(SHEET 8 OF 9)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T106

3/28/2025 9:57:24 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843(04)_SIGNS_008.dgn

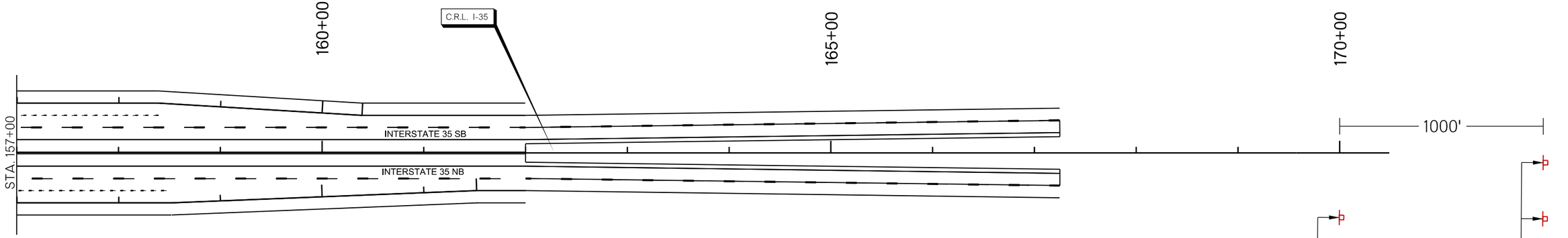
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 50 100 150

SCALE





STA. 170+00 RT
RTE ASSEMBLY #6
50



STA. 180+00 CT & RT
R2-1F (75)
52
51

DESIGN	RDC	2/25
DRAWN	RDC	2/25
CHECKED	CEM	2/25
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SIGNING
(SHEET 9 OF 9)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T107

3/28/2025 9:57:29 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843(04)_SIGNS_009.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025



SIGN NUMBER	SPECIAL SIGN No. 4
WIDTH x HEIGHT	12'-0" X 8'-0"
BORDER WIDTH	2.00"
CORNER RADIUS	9.00"
MOUNTING	OVERHEAD
SIGN AREA	96.0 SQ.FT.
BACKGROUND	TYPE: REFELECTIVE
	COLOR: GREEN
LEGEND/BORDER	TYPE: REFLECTIVE
	COLOR: WHITE/WHITE

SYMBOL	X	Y	WID	HT
M1-1	11.0	59.0	24	24
M1-4	47.0	59.0	24	24

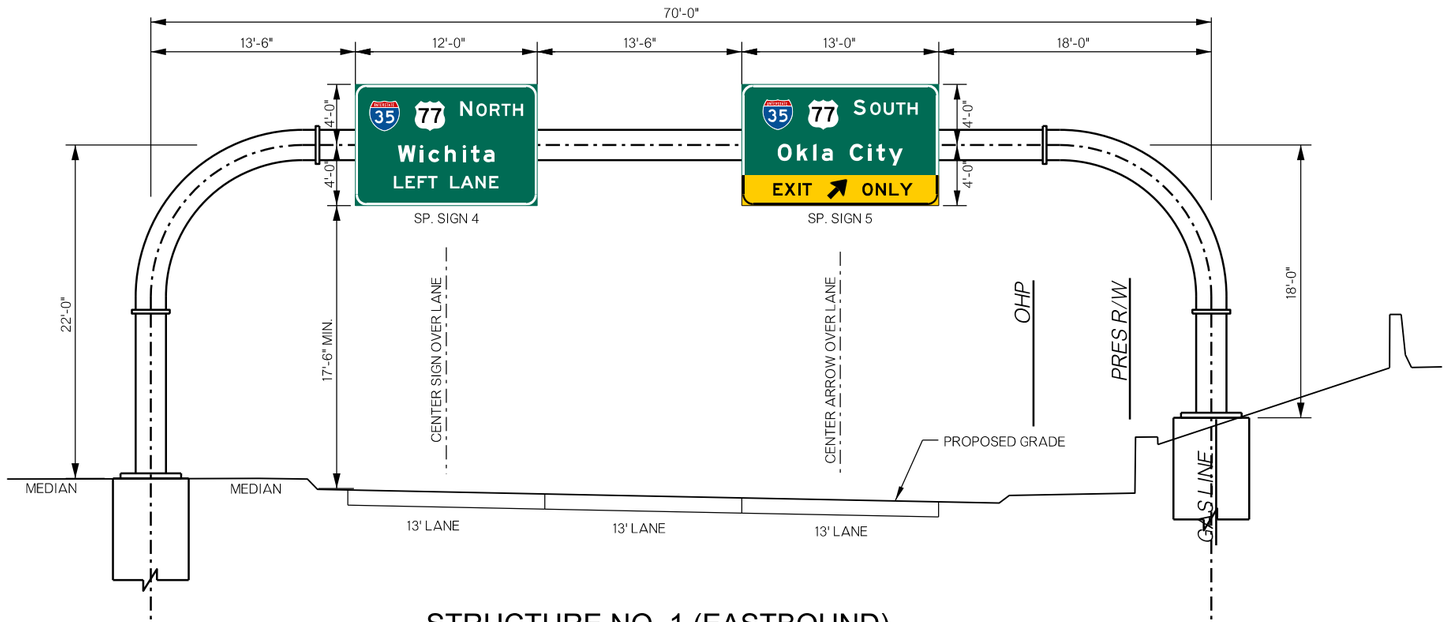
LETTER POSITIONS (X)																							LENGTH	SERIES/SIZE
N	O	R	T	H																				E 2000
83.0	95.8	106.5	115.7	124.9																			50	12/10
W	i	c	h	i	t	a																		EM 2000
33.7	51.1	57.9	70.8	84.9	91.5	101.5																	76.6	13.33
L	E	F	T		L	A	N	E																E 2000
30.5	39.8	49.3	57.5		75.1	83.3	95.2	106.0															82.9	10



SIGN NUMBER	SPECIAL SIGN No. 5
WIDTH x HEIGHT	13'-0" X 8'-0"
BORDER WIDTH	2.00"
CORNER RADIUS	9.00"
MOUNTING	OVERHEAD
SIGN AREA	104.0 SQ.FT.
BACKGROUND	TYPE: REFELECTIVE
	COLOR: GREEN
LEGEND/BORDER	TYPE: REFLECTIVE
	COLOR: WHITE/WHITE

SYMBOL	X	Y	W/D	HT
M1-1	16.5	60.0	24	24
M1-4	52.5	60.0	24	24
ARROW 45°	67.5	5.0	15.13	20

LETTER POSITIONS (X)																							LENGTH	SERIES/SIZE
S	O	U	T	H																				E 2000
88.5	101.7	112.4	122.2	131.4																			51	12/10
O	k	l	a		C	i	t	y																EM 2000
28.4	43.6	53.6	60.4		85.5	100.0	106.5	116.3															99.2	13.33
E	X	I	T		O	N	L	Y																E 2000
24.9	33.8	44.5	48.0		95.5	106.2	116.9	125.2															110.5	10



STRUCTURE NO. 1 (EASTBOUND)
STA. 6+00 (EBBL - WATERLOO RD)

NOTE:
EXACT LENGTHS (VERTICAL AND HORIZONTAL) SHALL BE APPROVED BY THE ENGINEER PRIOR TO FABRICATION.
MINIMUM VERTICAL CLEARANCE OVER ROADWAY SHALL BE 17'-6" OR AS DIRECTED BY THE ENGINEER.
CONTRACTOR TO LOCATE AND VERIFY ALL EXISTING UTILITIES AND INFRASTRUCTURE PRIOR TO FABRICATION AND CONSTRUCTION.

MS-1 (70')

DESIGN	RDC	11/21
DRAWN	RDC	11/21
CHECKED	CEM	02/22
APPROVED	CEM	02/22
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SPECIAL OVERHEAD SIGN STRUCTURE & OVERHEAD SIGNS (SHEET 1 OF 5)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. TI08

3/28/2025 9:57:36 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843(04)_SIGN_DETAIL_001.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025



SIGN NUMBER	SPECIAL SIGN No. 8
WIDTH x HEIGHT	12'-6" X 8'-0"
BORDER WIDTH	2.00"
CORNER RADIUS	9.00"
MOUNTING	OVERHEAD
SIGN AREA	100.00 SQ.FT.
BACKGROUND	TYPE: REFELECTIVE
	COLOR: GREEN
LEGEND/BORDER	TYPE: REFLECTIVE
	COLOR: WHITE/WHITE

SYMBOL	X	Y	WID	HT
M1-1	12.5	59.0	24	24
M1-4	48.5	59.0	24	24

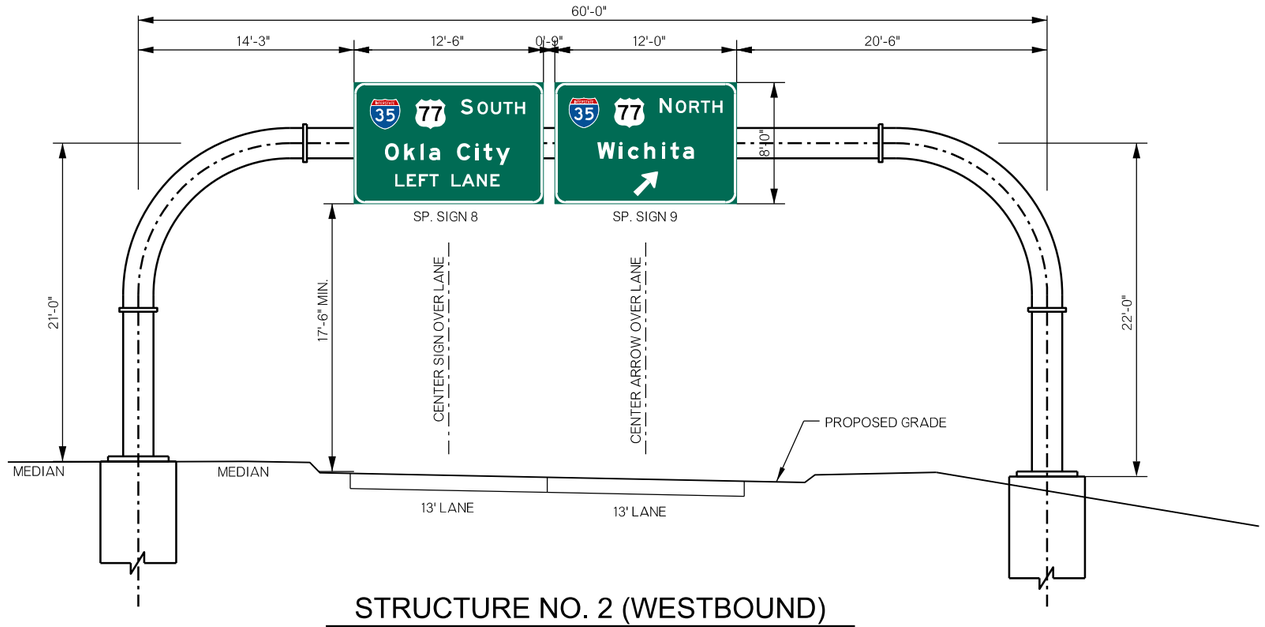
LETTER POSITIONS (X)																								LENGTH	SERIES/SIZE
S	O	U	T	H																					E 2000
84.5	97.7	108.4	118.2	127.4																				51	12/10
O	k	l	a		C	i	t	y																	E(Mod)
24.4	39.6	52.5	59.3		81.5	96.0	102.5	112.3																99.2	13.33
L	E	F	T		L	A	N	E																	E 2000
32.5	41.8	51.3	59.5		77.1	85.3	97.2	108.0																82.9	10



SIGN NUMBER	SPECIAL SIGN No. 9
WIDTH x HEIGHT	12'-0" X 8'-0"
BORDER WIDTH	2.00"
CORNER RADIUS	9.00"
MOUNTING	OVERHEAD
SIGN AREA	96.0 SQ.FT.
BACKGROUND	TYPE: REFELECTIVE
	COLOR: GREEN
LEGEND/BORDER	TYPE: REFLECTIVE
	COLOR: WHITE/WHITE

SYMBOL	X	Y	WID	HT
M1-1	11.0	60.0	24	24
M1-4	47.0	60.0	24	24
TYPE A ARR 45°	62.2	6.0	15.1	25

LETTER POSITIONS (X)																								LENGTH	SERIES/SIZE
N	O	R	T	H																					E 2000
83.0	95.8	106.5	115.7	124.9																				50	12/10
W	i	c	h	i	t	a																			E(Mod)
33.7	51.1	57.9	70.8	84.9	91.5	101.5																		76.6	13.33



STRUCTURE NO. 2 (WESTBOUND)
STA. 16+52 (WBBL - WATERLOO RD)

NOTE:
EXACT LENGTHS (VERTICAL AND HORIZONTAL) SHALL BE APPROVED BY THE ENGINEER PRIOR TO FABRICATION.
MINIMUM VERTICAL CLEARANCE OVER ROADWAY SHALL BE 17'-6" OR AS DIRECTED BY THE ENGINEER.
CONTRACTOR TO LOCATE AND VERIFY ALL EXISTING UTILITIES AND INFRASTRUCTURE PRIOR TO FABRICATION AND CONSTRUCTION.

MS-2 (60')

DESIGN	RDC	11/22
DRAWN	RDC	11/22
CHECKED	CEM	02/23
APPROVED	CEM	02/23
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SPECIAL OVERHEAD SIGN STRUCTURE & OVERHEAD SIGNS (SHEET 2 OF 5)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T109

3/28/2025 9:57:42 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843(04)_SIGN_DETAIL_002.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

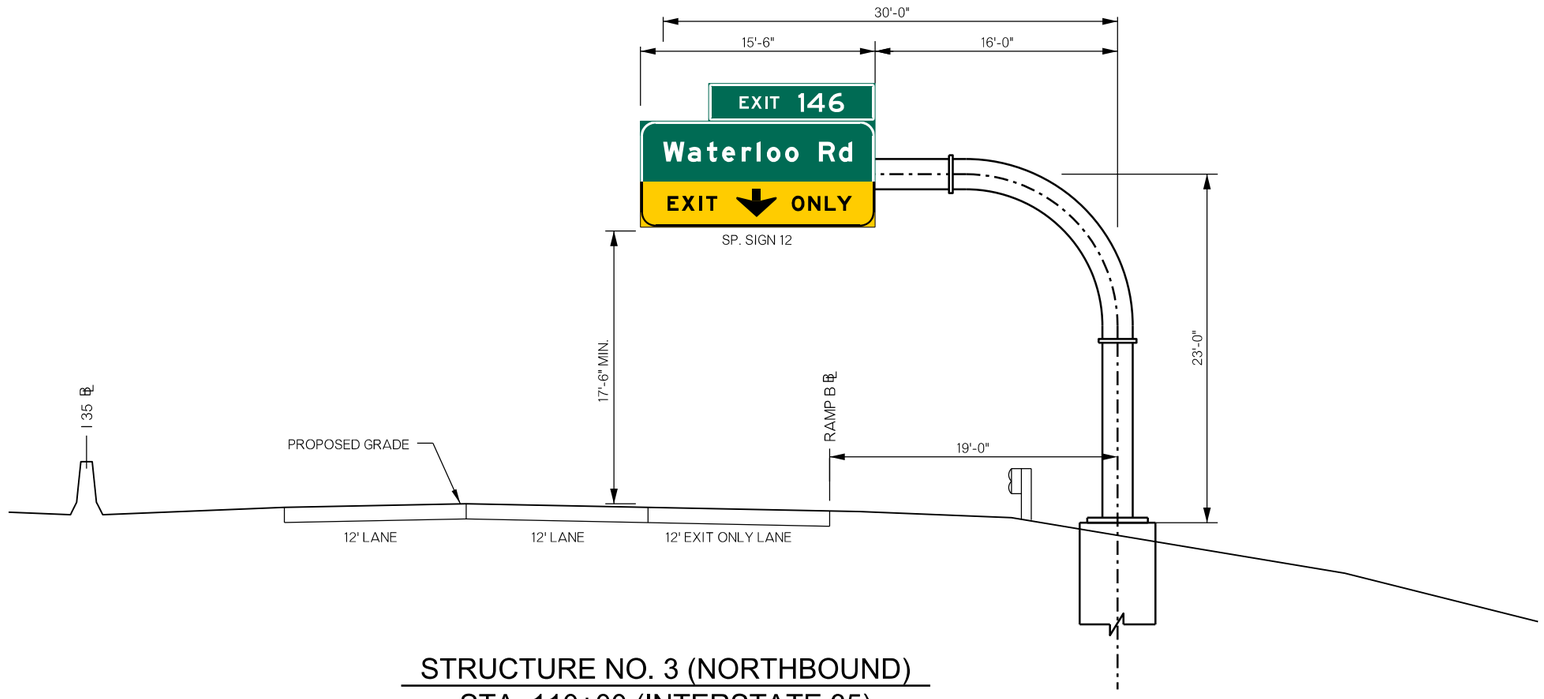
FINAL FIELD MEETING
3/28/2025



SIGN NUMBER	SPECIAL SIGN No. 12
WIDTH x HEIGHT	11'-0" X 2'-6" (EXIT PLQ) 15'-6" X 4'-0" (PRIMARY) 15'-6" X 3'-0" (EXIT PNL)
BORDER WIDTH	2.00" (EXIT PLQ) 2.00" (PRIMARY) 1.50" (EXIT PNL)
CORNER RADIUS	3.00" (EXIT PLQ) 12.00" (PRIMARY) 12.00" (EXIT PNL)
MOUNTING	OVERHEAD
SIGN AREA	136.0 SQ.FT.
BACKGROUND	TYPE: REFELECTIVE
	COLOR: GRN (EXIT PLQ) COLOR: GRN (PRIMARY) COLOR: YLW (EXIT PNL)
LEGEND/BORDER	TYPE: REFLECTIVE
	COLOR: WHITE/WHITE COLOR: WHITE/WHITE COLOR: BLACK/BLACK

SYMBOL	X	Y	WID	HT
DOWN ARROW	76.0	8.0	32	22

LETTER POSITIONS (X)																						LENGTH	SERIES/SIZE
E	X	I	T		1	4	6																E 2000
24.5	33.7	44.8	48.7		71.2	78.2	95.3															83.0	10/15
W	a	t	e	r	l	o	o		R	d													E(mod)
18.1	37.5	52.7	64.7	80.2	92.0	100.2	114.6		141.5	157.3												149.8	16
E	X	I	T		O	N	L	Y															E(mod)
21.5	32.7	46.7	52.1		120.0	133.0	146.1	155.7														146.3	12



STRUCTURE NO. 3 (NORTHBOUND)
STA. 110+00 (INTERSTATE 35)

NOTE:
EXACT LENGTHS (VERTICAL AND HORIZONTAL) SHALL BE APPROVED BY THE ENGINEER PRIOR TO FABRICATION.
MINIMUM VERTICAL CLEARANCE OVER ROADWAY SHALL BE 17'-6" OR AS DIRECTED BY THE ENGINEER.
CONTRACTOR TO LOCATE AND VERIFY ALL EXISTING UTILITIES AND INFRASTRUCTURE PRIOR TO FABRICATION AND CONSTRUCTION.

MS-3 (30')

DESIGN	RDC	11/23
DRAWN	RDC	11/23
CHECKED	CEM	02/24
APPROVED	CEM	02/24
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SPECIAL OVERHEAD SIGN STRUCTURE & OVERHEAD SIGNS (SHEET 3 OF 5)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T110

3/28/2025 9:57:47 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843(04)_SIGN_DETAIL_003.dgn



SIGN NUMBER	SPECIAL SIGN No. 13
WIDTH x HEIGHT	18'-6" X 10'-6"
BORDER WIDTH	2.00"
CORNER RADIUS	12.00"
MOUNTING	OVERHEAD
SIGN AREA	194.25 SQ.FT.
BACKGROUND	TYPE: REFELECTIVE
	COLOR: GREEN
LEGEND/BORDER	TYPE: REFLECTIVE
	COLOR: WHITE/WHITE

SYMBOL	X	Y	WID	HT
M1-1	55.6	74.0	36	36
DOWN ARROW	23.0	10.0	32	22
DOWN ARROW	167.0	10.0	32	22

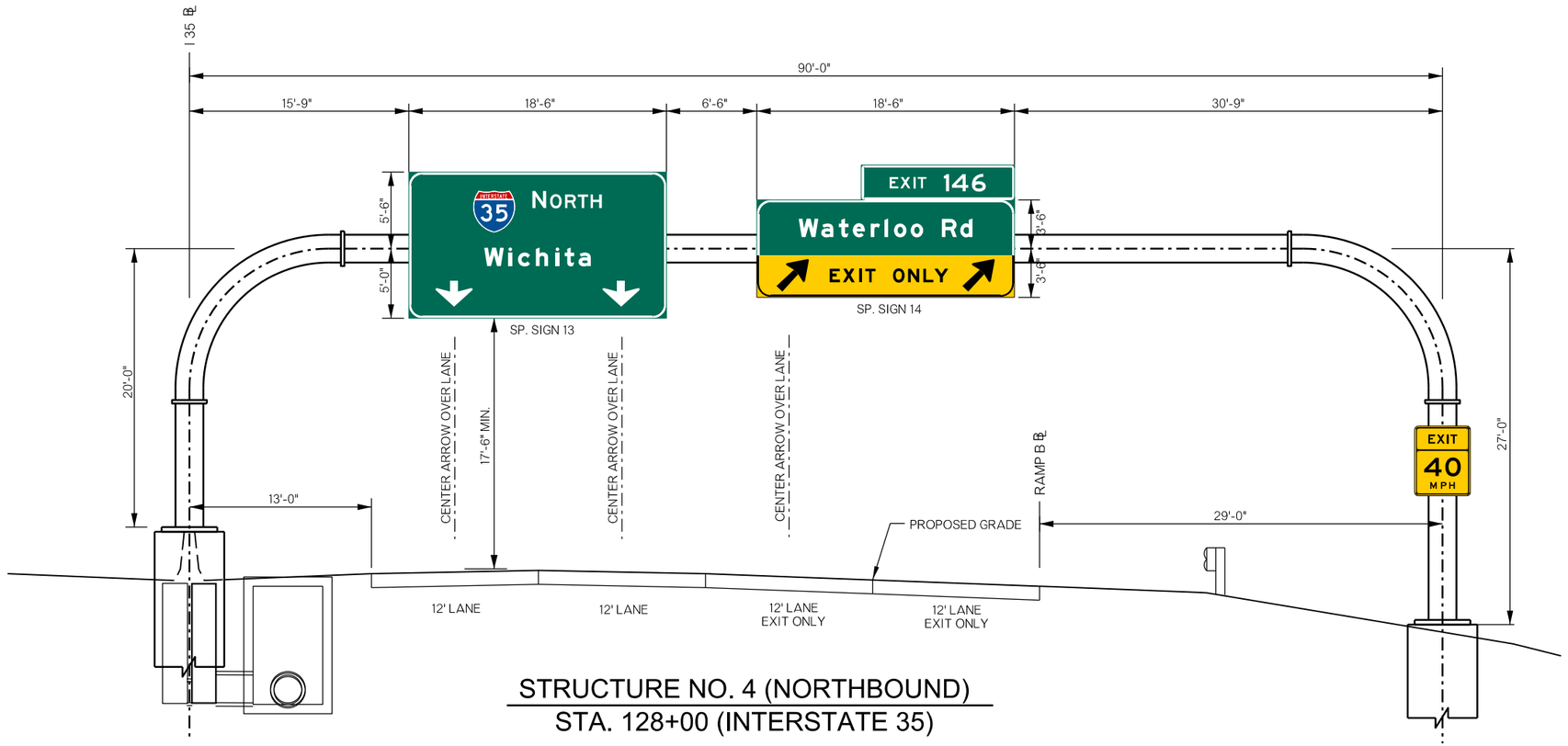
LETTER POSITIONS (X)																							LENGTH	SERIES/SIZE
N	O	R	T	H																				E 2000
106.6	121.8	134.6	145.7	156.7																			59.8	15/12
W	i	c	h	i	t	a																		E(mod)
65.1	85.9	94.0	109.6	126.5	134.4	146.4																	91.8	16



SIGN NUMBER	SPECIAL SIGN No. 14
WIDTH x HEIGHT	11'-0" X 2'-6" (EXIT PLQ) 18'-6" X 4'-0" (PRIMARY) 18'-6" X 3'-0" (EXIT PNL)
BORDER WIDTH	2.00" (EXIT PLQ) 2.00" (PRIMARY) 1.50" (EXIT PNL)
CORNER RADIUS	3.00" (EXIT PLQ) 12.00" (PRIMARY) 12.00" (EXIT PNL)
MOUNTING	OVERHEAD
SIGN AREA	157.0 SQ.FT.
BACKGROUND	TYPE: REFELECTIVE
	COLOR: GRN (EXIT PLQ) COLOR: GRN (PRIMARY) COLOR: YLW (EXIT PNL)
LEGEND/BORDER	TYPE: REFLECTIVE
	COLOR: WHITE/WHITE COLOR: WHITE/WHITE COLOR: BLACK/BLACK

SYMBOL	X	Y	WID	HT
TYPE A ARROW 45°	16.9	5.0	22.3	35.6
TYPE A ARROW 45°	177.2	5.0	22.3	35.6

LETTER POSITIONS (X)																							LENGTH	SERIES/SIZE
E	X	I	T		1	4	6																	E 2000
24.5	33.7	44.8	48.7		71.2	78.2	95.3																83.0	10/15
W	a	t	e	r	l	o	o		R	d														E(mod)
36.1	55.5	70.7	82.7	98.2	110.0	118.2	132.6		159.5	175.3													149.8	16
E	X	I	T		O	N	L	Y																E(mod)
62.8	74.1	88.1	93.5		117.4	130.3	143.4	153.0															102.4	12



STRUCTURE NO. 4 (NORTHBOUND)
STA. 128+00 (INTERSTATE 35)

NOTE:
EXACT LENGTHS (VERTICAL AND HORIZONTAL) SHALL BE APPROVED BY THE ENGINEER PRIOR TO FABRICATION.
MINIMUM VERTICAL CLEARANCE OVER ROADWAY SHALL BE 17'-6" OR AS DIRECTED BY THE ENGINEER.
CONTRACTOR TO LOCATE AND VERIFY ALL EXISTING UTILITIES AND INFRASTRUCTURE PRIOR TO FABRICATION AND CONSTRUCTION.

MS-4 (90')

DESIGN	RDC	11/24
DRAWN	RDC	11/24
CHECKED	CEM	02/25
APPROVED	CEM	02/25
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SPECIAL OVERHEAD SIGN STRUCTURE & OVERHEAD SIGN (SHEET 4 OF 5)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T111

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025



SIGN NUMBER	SPECIAL SIGN No. 19
WIDTH x HEIGHT	18'-6" X 10'-6"
BORDER WIDTH	2.00"
CORNER RADIUS	12.00"
MOUNTING	OVERHEAD
SIGN AREA	194.25 SQ.FT.
BACKGROUND	TYPE: REFELECTIVE
	COLOR: GREEN
LEGEND/BORDER	TYPE: REFLECTIVE
	COLOR: WHITE/WHITE

SYMBOL	X	Y	WID	HT
M1-1	55.6	74.0	36	36
DOWN ARROW	23.0	10.0	32	22
DOWN ARROW	167.0	10.0	32	22

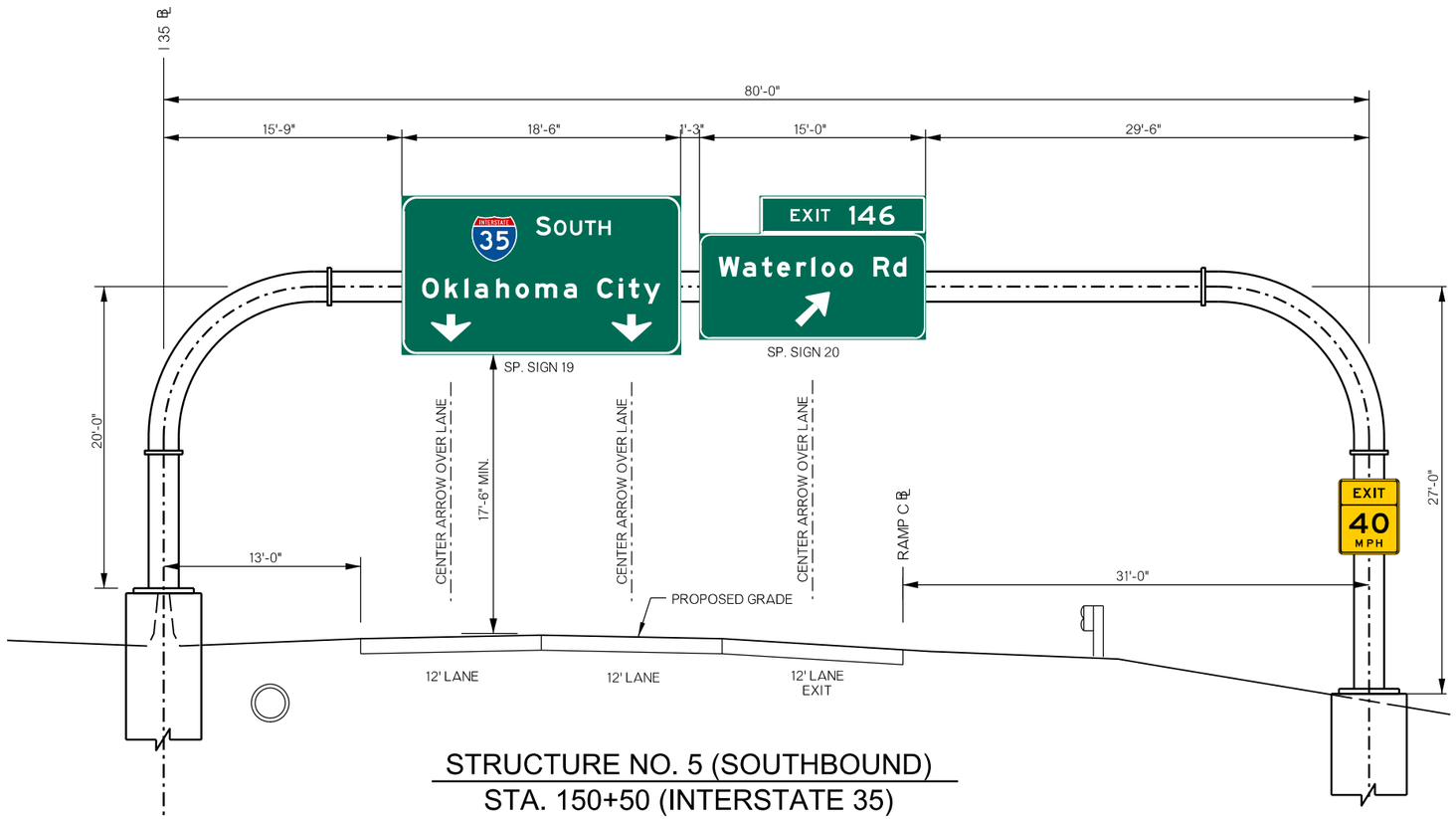
LETTER POSITIONS (X)																						LENGTH	SERIES/SIZE
S	O	U	T	H																			E 2000
106.6	121.8	134.6	145.7	156.7																		59.8	15/12
O	k	l	a	h	o	m	a		C	i	t	y											E(mod)
16.0	34.3	49.8	58.0	74.9	90.4	106.3	128.8		155.4	172.8	180.7	192.4										190.0	16



SIGN NUMBER	SPECIAL SIGN No. 20
WIDTH x HEIGHT	15'-0"X7'-0" (11'-0"X2'-6")
BORDER WIDTH	2.00"
CORNER RADIUS	12.00" (3.00")
MOUNTING	OVERHEAD
SIGN AREA	105.0 SQ.FT. (27.5 SQ.FT.)
BACKGROUND	TYPE: REFELECTIVE
	COLOR: GREEN
LEGEND/BORDER	TYPE: REFLECTIVE
	COLOR: WHITE/WHITE

SYMBOL	X	Y	WID	HT
TYPE A ARROW 45°	76	10	22.3	35.6

LETTER POSITIONS (X)																						LENGTH	SERIES/SIZE
E	X	I	T		1	4	6																E 2000
24.5	33.7	44.8	48.7		71.2	78.2	95.3															83.0	15/10
W	a	t	e	r	l	o	o		R	d													E(mod)
15.1	34.5	49.7	61.7	77.2	89.0	97.2	111.6		138.5	154.3												149.8	16



STRUCTURE NO. 5 (SOUTHBOUND)
STA. 150+50 (INTERSTATE 35)

NOTE:
EXACT LENGTHS (VERTICAL AND HORIZONTAL) SHALL BE APPROVED BY THE ENGINEER PRIOR TO FABRICATION.
MINIMUM VERTICAL CLEARANCE OVER ROADWAY SHALL BE 17'-6" OR AS DIRECTED BY THE ENGINEER.
CONTRACTOR TO LOCATE AND VERIFY ALL EXISTING UTILITIES AND INFRASTRUCTURE PRIOR TO FABRICATION AND CONSTRUCTION.

MS-4 (80')

DESIGN	RDC	11/25
DRAWN	RDC	11/25
CHECKED	CEM	02/26
APPROVED	CEM	02/26
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SPECIAL OVERHEAD SIGN STRUCTURE & OVERHEAD SIGN (SHEET 5 OF 5)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T112

3/28/2025 9:58:00 AM \\garverinc.local\gdata\Projects\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843(04)_SIGN_DETAIL_005.dgn



SIGN NUMBER	SPECIAL SIGN No. 6
WIDTH x HEIGHT	8'-6" x 8'-6"
BORDER WIDTH	2.0"
CORNER RADIUS	9.0"
MOUNTING	GROUND
SIGN AREA	72.25 SQ.FT.
BACKGROUND	TYPE: REFELECTIVE
	COLOR: GREEN
LEGEND/BORDER	TYPE: REFLECTIVE
	COLOR: WHITE/WHITE

SYMBOL	X	Y	WID	HT
M1-1	21	50.8	24	24
M1-4	57	50.8	24	24
TYPE B ARR 180°	38.5	7.1	25	15.0

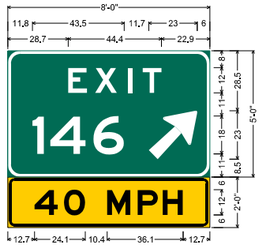
LETTER POSITIONS (X)																			LENGTH	SERIES/SIZE
S	O	U	T	H																E 2000 10"/8"
31.1	40.7	49.3	57.1	64.4															39.8	
O	k	l	a		C	i	t	y												E(mod) 10.6"
11.3	23.5	33.8	39.3		57.0	68.6	73.8	81.6											79.4	



SIGN NUMBER	SPECIAL SIGN No. 7
WIDTH x HEIGHT	8'-0" x 8'-6"
BORDER WIDTH	2.0"
CORNER RADIUS	9.0"
MOUNTING	GROUND
SIGN AREA	68.0 SQ.FT.
BACKGROUND	TYPE: REFELECTIVE
	COLOR: GREEN
LEGEND/BORDER	TYPE: REFLECTIVE
	COLOR: WHITE/WHITE

SYMBOL	X	Y	WID	HT
M1-1	17	50.8	24	24
M1-4	53	50.8	24	24
TYPE B ARR 180°	34.5	7.1	25	15.0

LETTER POSITIONS (X)																			LENGTH	SERIES/SIZE
N	O	R	T	H																E 2000 10"/8"
27.0	37.2	45.8	53.1	60.5															40.0	
W	i	c	h	i	t	a														E(mod) 10.6"
16.4	30.3	35.7	46.0	57.3	62.6	70.6													61.2	



SIGN NUMBER	SPECIAL SIGN No. 15 & 16
WIDTH x HEIGHT	8'-0" x 5'-0" (8'-0" x 2'-0")
BORDER WIDTH	2.00" (1.25")
CORNER RADIUS	6.0" (3.0")
MOUNTING	GROUND
SIGN AREA	40.0 (16.0) SQ.FT.
BACKGROUND	TYPE: REFELECTIVE
	COLOR: GREEN(YELLOW)
LEGEND/BORDER	TYPE: REFLECTIVE
	COLOR: WH/WH (BK/BK)

SYMBOL	X	Y	WID	HT
TYPE A ARR 45°	67	8.5	18.3	29.3

LETTER POSITIONS (X)																			LENGTH	SERIES/SIZE
E	X	I	T																	E 2000 12"
28.7	41.5	57.3	64.1																44.4	
1	4	6																		E 2000 18"
11.8	20.2	40.7																	43.5	
4	0		M	P	H															E(mod) 12"
12.7	26.7		47.2	61.7	73.6														70.6	

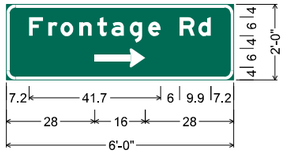
DESIGN	RDC	11/26
DRAWN	RDC	11/26
CHECKED	CEM	02/27
APPROVED	CEM	02/27
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SPECIAL SIGN DETAILS
(SHEET 1 OF 2)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T113

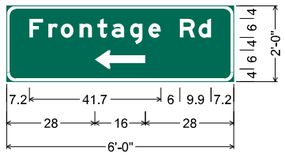
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SIGN NUMBER	SPECIAL SIGN No. 1
WIDTH x HEIGHT	6'-0" x 2'-0"
BORDER WIDTH	1.0"
CORNER RADIUS	3.0"
MOUNTING	GROUND
SIGN AREA	12.0 SQ.FT.
BACKGROUND	TYPE: REFELECTIVE
	COLOR: GREEN
LEGEND/BORDER	TYPE: REFLECTIVE
	COLOR: WHITE/WHITE

SYMBOL	X	Y	WID	HT
TYPE D ARR 0°	28	4	16	6

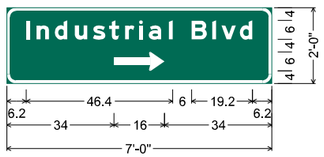
LETTER POSITIONS (X)																		LENGTH	SERIES/SIZE
F	r	o	n	t	a	g	e		R	d									E(mod)
7.2	13.3	17.2	23.1	28.8	33.3	39.1	44.9		54.9	60.8								57.6	6"



SIGN NUMBER	SPECIAL SIGN No. 2 & 3
WIDTH x HEIGHT	6'-0" x 2'-0"
BORDER WIDTH	1.0"
CORNER RADIUS	3.0"
MOUNTING	GROUND
SIGN AREA	12.0 SQ.FT.
BACKGROUND	TYPE: REFELECTIVE
	COLOR: GREEN
LEGEND/BORDER	TYPE: REFLECTIVE
	COLOR: WHITE/WHITE

SYMBOL	X	Y	WID	HT
TYPE D ARR 180°	28	4	16	6

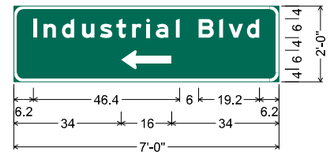
LETTER POSITIONS (X)																		LENGTH	SERIES/SIZE
F	r	o	n	t	a	g	e		R	d									E(mod)
7.2	13.3	17.2	23.1	28.8	33.3	39.1	44.9		54.9	60.8								57.6	6"



SIGN NUMBER	SPECIAL SIGN No. 10
WIDTH x HEIGHT	7'-0" x 2'-0"
BORDER WIDTH	1.0"
CORNER RADIUS	3.0"
MOUNTING	GROUND
SIGN AREA	14.0 SQ.FT.
BACKGROUND	TYPE: REFELECTIVE
	COLOR: GREEN
LEGEND/BORDER	TYPE: REFLECTIVE
	COLOR: WHITE/WHITE

SYMBOL	X	Y	WID	HT
TYPE D ARR 0°	34	4	16	6

LETTER POSITIONS (X)																		LENGTH	SERIES/SIZE
l	n	d	u	s	t	r	i	a	l		B	l	v	d					E(mod)
6.2	9.4	15.2	21.6	27.3	32.5	37.5	41.9	45.0	51.4		58.6	65.1	68.0	73.9				71.6	6"



SIGN NUMBER	SPECIAL SIGN No. 11
WIDTH x HEIGHT	7'-0" x 2'-0"
BORDER WIDTH	1.0"
CORNER RADIUS	3.0"
MOUNTING	GROUND
SIGN AREA	14.0 SQ.FT.
BACKGROUND	TYPE: REFELECTIVE
	COLOR: GREEN
LEGEND/BORDER	TYPE: REFLECTIVE
	COLOR: WHITE/WHITE

SYMBOL	X	Y	WID	HT
TYPE D ARR 180°	34	4	16	6

LETTER POSITIONS (X)																		LENGTH	SERIES/SIZE
l	n	d	u	s	t	r	i	a	l		B	l	v	d					E(mod)
6.2	9.4	15.2	21.6	27.3	32.5	37.5	41.9	45.0	51.4		58.6	65.1	68.0	73.9				71.6	6"

DESIGN	RDC	11/27
DRAWN	RDC	11/27
CHECKED	CEM	02/28
APPROVED	CEM	02/28
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

SPECIAL SIGN DETAILS
(SHEET 2 OF 2)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T114

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M2-1 2.19 SF

M1-1 4.00 SF

ROUTE ASSEMBLY # 1
6.19 SF

M3-1 2.00 SF

M1-1 4.00 SF

M5-4 3.00 SF



M3-3 2.00 SF

M1-1 4.00 SF

M5-6 3.00 SF

ROUTE ASSEMBLY # 2
18.00 SF

M3-3 2.00 SF

M1-1 4.00 SF

M5-4 3.00 SF



M3-1 2.00 SF

M1-1 4.00 SF

M5-6 3.00 SF

ROUTE ASSEMBLY # 3
18.00 SF



M2-1 2.19 SF

M1-1 4.00 SF

ROUTE ASSEMBLY # 4
6.19 SF



M3-3E 4.50 SF

M1-1E 9.00 SF

ROUTE ASSEMBLY # 5
13.50 SF



M3-1E 4.50 SF

M1-1E 9.00 SF

ROUTE ASSEMBLY # 6
13.50 SF

DESIGN	RDC	11/28
DRAWN	RDC	11/28
CHECKED	CEM	02/29
APPROVED	CEM	02/29
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

ROUTE ASSEMBLY SIGNS

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T115

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025

LIGHTING SITE PLAN LEGEND

- INSTALL NEW ELECTRICAL CONDUIT WITH ROADWAY LIGHTING CIRCUIT(S), TRENCHED (1-WAY 2"C)
- INSTALL NEW EXPOSED GALVANIZED RIGID STEEL ELECTRICAL CONDUIT WITH ROADWAY LIGHTING CIRCUIT(S), (1-WAY 2"C)
- INSTALL NEW SINGLE ARM LIGHT FIXTURE AND LIGHT POLE ON NEW BARRIER
- INSTALL NEW SINGLE ARM LIGHT FIXTURE AND LIGHT POLE ON NEW FOUNDATION
- INSTALL NEW DUAL ARM LIGHT FIXTURE AND LIGHT POLE ON NEW FOUNDATION
- INSTALL NEW HIGH MAST LIGHT FIXTURES AND HIGHT MAST LIGHT POLE ON NEW FOUNDATION. NUMBER OF LUMINAIRES AS SHOWN
- INSTALL NEW WALLPACK LIGHT FIXTURE, MOUNTED TO BRIDGE PIER CAP
- INSTALL NEW 240/480V SINGLE PHASE ELECTRICAL EQUIPMENT RACK WITH UTILITY METER, MAIN DISCONNECT, POWER PANELS, AND PEC
- PB P1 — INSTALL NEW SIZE II ELECTRICAL POLYMER CONCRETE PULL BOX
- (#) — # INDICATES KEYED NOTE NUMBER
- #### — SERVICE POLE AND CIRCUIT IDENTIFICATION
- PROPOSED SIGN STRUCTURES

POWER & SYSTEM LEGEND

- OR — NON-FUSED DISCONNECT SWITCH, SIZE AS NOTED
- 20 AMP DUPLEX RECEPTACLE, MTD. 18" AFF, WITH #12 GROUND WIRE. "GFCI" INDICATES GROUND FAULT CIRCUIT INTERRUPTER, "WP" INDICATES WEATHERPROOF WHILE-IN-USE ENCLOSURE AND COVER, "TR" INDICATES TAMPER-RESISTANT DEVICE. BOX INDICATES FLOOR OUTLET WITH RECESSED CAST JUNCTION BOX
- GROUND
- OR OR — 3/4" x 10' COPPER CLAD GROUND ROD
- JUNCTION BOX, 42 CUBIC INCH MINIMUM CAPACITY
- T T1 — TRANSFORMER, IDENTIFIER SHOWN, REFER TO SCHEDULE FOR SIZE
- TRANSFORMER, RATINGS AS SHOWN
- 20A/3P — CIRCUIT BREAKER, TRIP RATING SHOWN, 3-POLE UNLESS NOTED OTHERWISE
- 20A — FUSE, CURRENT LIMITING, AMPERE RATING AS SHOWN OR REQUIRED. "BFI" INDICATES "BLOWN FUSE INDICATOR" TYPE
- SPD — SURGE PROTECTIVE DEVICE WITH INDICATING LIGHTS
- WEATHERHEAD
- LIGHTING CONTROLLER

ABBREVIATIONS

PH	PHASE
@	AT
#	NUMBER
A	AMP
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AMPS INTERRUPTING CAPACITY
AM	AMP-METER
ANN	ANNUNCIATOR
AP	AERIAL PRIMARY
AS	AERIAL SECONDARY
AUX	AUXILIARY
BFI	BLOWN FUSE INDICATOR
BI	BYPASS ISOLATION
BKR	BREAKER
BT	BOOST TRANSFORMER
C	CONDUIT
CAT	CATALOG OR CATEGORY
CB	CIRCUIT BREAKER
CGRS	PVC COATED GALVANIZED RIGID STEEL
CFCI	CONTRACTOR FURNISHED/ CONTRACTOR INSTALLED
CKT	CIRCUIT
CL	CENTERLINE
COM	COMMON
CONT	CONTINUOUS
CP	CONTROL PANEL
CPT	CONTROL POWER TRANSFORMER
CR	CONTROL RELAY
CRI	COLOR RENDERING INDEX
CS	CORD SET
CU	COEFFICIENT OF UTILIZATION
DEB	DIRECT EARTH BURIED
DISC	DISCONNECT
EC	EMPTY OR EMBEDDED CONDUIT
EG	EQUIPMENT GROUND
EL	ELEVATION
EMT	ELECTRICAL METALLIC TUBING
EP	EXISTING POLE
ETM	ELASPED TIME METER
FDS	FUSED DISCONNECT SWITCH
FLA	FULL LOAD AMPACITY
FLR	FLOOR
FMC	FLEXIBLE METALLIC CONDUIT
FT	FEET
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GND	GROUND
GRS	GALVANIZED RIGID STEEL
GM	GROUND MOUNT
HID	HIGH INTENSITY DISCHARGE
HOA	HAND-OFF-AUTO
HP	HORSEPOWER OR HEAT PUMP
HR	HOUR
IG	ISOLATED GROUND
IGPB	IN-GRADE PULL BOX
ISP	INDIVIDUALLY SHIELDED PAIR
JB	JUNCTION BOX
kVA	KILOVOLT-AMPERE
kVAR	KILOVOLT-AMPERE, REACTIVE
kW	KILOWATT
LA	LIGHTNING ARRESTER
LC	LIGHTING CIRCUIT
LED	LIGHT EMITTING DIODE
LLF	LIGHT LOSS FACTOR
LFMC	LIQUIDTIGHT FLEXIBLE METAL CONDUIT
LIP	LIGHTING INSTALLATION PLAN
LO	LUGS ONLY
LOR	LOCAL-OFF-REMOTE
LRP	LIGHTING REMOVAL PLAN
LV	LOW VOLTAGE
MAX	MAXIMUM
MBM	MEDIAN BARRIER MOUNT
MBPB	MEDIAN BARRIER PULL BOX
MCA	MINIMUM CIRCUIT AMPACITY
MCB	MAIN CIRCUIT BREAKER
MFR	MANUFACTURER
MIN	MINIMUM
MH	METAL HALIDE
MLO	MAIN LUGS ONLY
MOCP	MAXIMUM OVERCURRENT PROTECTION
MTD	MOUNTED
N	NEUTRAL
NEC	NATIONAL ELECTRICAL CODE
NFDS	NON-FUSED DISCONNECT SWITCH
NL	NIGHT LIGHT
NTS	NOT TO SCALE
OAE	OR APPROVED EQUAL
OC	ON CENTER
ODOT	OKLAHOMA DEPARTMENT OF TRANSPORTATION
OFCI	OWNER FURNISHED/ CONTRACTOR INSTALLED
OH	OVERHEAD
OHP	OVERHEAD PRIMARY
OHS	OVERHEAD SECONDARY
OL	OVERLOAD
OTA	OKLAHOMA TURNPIKE AUTHORITY
PB	PULLBOX
PEC	PHOTO ELECTRIC CELL
PF	POWER FACTOR
PL	PILOT LIGHT
PNL	PANEL
PTT	PUSH-TO-TEST
PVC	SCHEDULE 40 POLYVINYL CONDUIT
RECPT	RECEPTACLE
RM	ROOM
S	SECOND
SA	SURGE ARRESTER
SE	SERVICE ENTRANCE
SHT	SHEET
S/N	SERIAL NUMBER
SN	SOLID NEUTRAL
SP	SERVICE POINT
SS	STAINLESS STEEL
STA	STATION
SW	SWITCH
SWBD	SWITCHBOARD
T	TON
TEL	TELEPHONE
TYP	TYPICAL
TC	TIME CLOCK
TR	TAMPER RESISTANT
UG	UNDER GROUND UNLESS OTHERWISE NOTED
V	VOLT
VA	VOLT-AMP
VM	VOLT-METER
W	WATT OR WIRE
WH	WEATHER HEAD
WM	WATT METER
WP	WEATHERPROOF
W/	WITH
WW	WIREWAY
XMFR	TRANSFORMER
Z	IMPEDANCE

LIGHTING INSTALLATION NOTES:

1. ALL EXISTING ELECTRICAL EQUIPMENT AND INFRASTRUCTURE THAT IS TO REMAIN SHALL BE PROTECTED DURING CONSTRUCTION.
2. ALL NEW ELECTRICAL EQUIPMENT AND INFRASTRUCTURE SHALL BE CONSTRUCTED AS SPECIFIED IN THE ELECTRICAL DEATILS, ODOT DETAILS, AND ODOT SPECIFICATIONS.
3. CONTRACTOR IS RESPONSIBLE FOR ALL FINAL CONNECTIONS TO EQUIPMENT.
4. ALL ELECTRICAL CONDUIT(S) IN SOIL SHALL BE SCHEDULE 40 PVC.
5. ALL ELECTRICAL CONDUIT(S) UNDER PAVEMENT SHALL BE SCHEDULE 80 PVC.
6. ALL ABOVE GRADE CONDUIT AND CONDUIT IN RAIL SHALL BE GALVANIZED RIGID STEEL CONDUIT.
7. CONTRACTORS SHALL COORDINATE WITH UTILITY FOR ALL UTILITY STANDARDS FOR NEW ELECTRIC SERVICE INSTALLATIONS.
8. ELECTRICAL DONUIT AND PULLBOXES WILL BE ADJUSTED AS NECESSARY TO PREVENT CONFLICT WITH OTHER DISCIPLINES, UTILITIES AND THE ROADWAY LAYOUT.

GENERAL CONSTRUCTION NOTES:

1. SYMBOLS AND LEGENDS ARE DIAGRAMMATIC ONLY AND LOCATIONS SHALL BE ADJUSTED FOR EXISTING FIELD CONDITIONS, BUT NO MAJOR ALTERATIONS OR RELOCATIONS WILL BE MADE WITHOUT FIRST CONSULTING WITH THE OWNER AND ENGINEER.
2. THIS PROJECT SHALL BE CONSTRUCTED WITHOUT CLOSING THE EXISTING ROAD TO LOCAL AND THROUGH TRAFFIC. SEE O.D.O.T. STANDARDS AND DETAIL DRAWINGS FOR MAINTENANCE OF LOCAL AND THROUGH TRAFFIC.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE HE MAY INFLICT TO THE EXISTING UNDERGROUND UTILITIES WITHIN THE PROJECT AREA AS A RESULT OF HIS DIGGING, TRENCHING, BORING, ETC.... PRIOR TO DIGGING NEAR THE UTILITIES, THE CONTRACTOR SHALL CALL FOR A LIST OF ALL UNDERGROUND FACILITIES REGISTERED IN THE AREA OF CONSTRUCTION LISTED WITH THE FOLLOWING AGENCIES:
   THE "OKIE" NOTIFICATION CENTER 811 OR 1-800-522-6543 OR WWW.CALLOKIE.COM OR THE LOCAL COUNTY CLERK'S OFFICE
4. DEPTH OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
5. THE CONTRACTOR SHALL CONTACT THE BRIDGE DIVISION OF THE OKLAHOMA DEPARTMENT OF TRANSPORTATION FOR QUESTIONS CONCERNING COMPLIANCE AND INTERPRETATIONS TO THE A.A.S.H.T.O. "STANDARDS SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS".
6. PRIOR TO CONSTRUCTION OF FOOTINGS, THE CONTRACTOR SHALL VISUALLY INSPECT THE PLAN LOCATION OF LIGHT POLES FOR PROPER OVERHEAD WIRE CLEARANCE. THESE CLEARANCES SHALL BE IN ACCORDANCE TO THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) SECTION 191. THERE SHALL BE A MINIMUM RADIUS OF 10 FOOT CLEARANCE OF ANY OVERHEAD LINES FROM THE CLOSEST POINT ON THE LIGHT POLE. ANY NEW FOOTINGS PUT IN CLOSER THAN THIS 10 FOOT MINIMUM SHALL BE RELOCATED AT THE EXPENSE OF THE CONTRACTOR, INCLUDING REMOVAL OF THE FOOTING AND ALL MATERIALS TO CONSTRUCT THE NEW FOOTING.

FEEDER AND BRANCH CIRCUIT LEGEND

2 SETS [(3#8 + 1#8N + 1#10EG) 1" GRS]

- CONDUIT TYPE (SEE ABBREVIATIONS) REFER TO SPECIFICATIONS IF NOT SHOWN
- CONDUIT SIZE
- GROUNDING (GROUND) CONDUCTOR, NUMBER AND SIZE
- GROUNDED (NEUTRAL) CONDUCTOR, NUMBER AND SIZE
- PHASE (HOT) CONDUCTOR, NUMBER AND SIZE
- NUMBER OF SETS

LIGHTING INSTALLATION KEYED NOTES MASTER LIST:

1. CONDUIT RUN SHALL BE TWO 2" CONDUITS.
2. INSTALL NEW 2-WAY 2"C ELECTRICAL DUCT BANK WITH NEW UTILITY SECONDARY CONDUCTORS.
3. STUB -UP NEW CONDUIT AT EXISTING UTILITY POLE AND CONNECT NEW SECONDARY CONDUCTORS TO NEW UTILITY TRANSFORMER.
4. TRANSITION FROM PVC INSTALLED IN SOIL TO GALVANIZED RIGID STEEL INSTALLED IN BRIDGE BARRIER.
5. COORDINATE WITH UTILITY AND UTILITY RELOCATIONS FOR PROVIDING POWER TO NEW ELECTRICAL EQUIPMENT RACK.
6. CONDUIT RUN SHALL BE THREE 2" CONDUITS.
7. TRANSITION FROM CONDUIT INSTALLED IN SOIL TO CONDUIT INSTALL IN BARRIER
8. TRANSITION CONDUIT FROM CONDUIT INSTALLED IN SOIL TO CONDUIT INSTALL IN PIER CAP FOR CONNECTION TO NEW WALLPACK LIGHT FIXTURES
9. CONNECT NEW ELECTRICAL EQUIPMENT RACK TO POLE MOUNTED UTILITY TRANSFORMERS. COORDINATE EXACT LOCATION OF UTILITY POLE AND TRANSFORMER WITH UTILITY DURING CONSTRUCTION. FOR CONNECTION, INSTALL NEW CONDUIT RUN, TWO 2" CONDUITS, WITH SECONDARY CONDUCTORS BETWEEN THE ELECTRICAL EQUIPMENT RACK AND THE UTILITY POLE.
10. STUB-UP NEW CONDUIT IN NEW PULLBOX INSTALLED IN BARRIER

DESIGN	JKS	10/24
DRAWN	BVW	10/24
CHECKED	WBG	10/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

LIGHTING LEGEND AND GENERAL NOTES

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T116

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025

LIGHT FIXTURE SCHEDULE

FIXTURE TYPE	QTY	MANUFACTURER	CATALOG NO.	DESCRIPTION	LAMPS	COLOR TEMP.	CRI	VOLTAGE	WATTAGE	
A	8	HOLOPHANE	MGLEDM P3 30K XXXXX MR	HOLOPHANE LED ROADWAY	LED	3000K	70	N/A	154	(1)(2)(3)(4)(5)(6)(8)
B	21	COOPER LIGHTING SOLUTIONS STREETWORKS (FORMERLY EATON)	- VERD-G-CA2-140-730-U-T3	COOPER LIGHTING LED ROADWAY	LED	3000K	70	N/A	264	(1)(2)(3)(4)(5)(6)(8)
C	4	HOLOPHANE	HMLED4 P4 30K XXXXX AW	HIGH MAST LED	LED	3000K	70	N/A	582	(1)(2)(3)(4)(5)(6)(8)
D	4	HOLOPHANE	W4GLED 20C1000 30K T3M	HOLOPHANE WALLPACK LED	LED	3000K	70	N/A	72	(1)(2)(7)(8)

LIGHTING DESIGN GENERAL NOTES

1. FOLLOWING THE SYSTEM INSTALLATION, PRIOR TO PROJECT CLOSEOUT, THE CONTRACTOR SHALL TAKE IN-FIELD MEASUREMENTS OF ALL THE LIT SURFACES AND SUBMIT TO THE ENGINEER FOR REVIEW. MEASUREMENTS FOR HIGHWAY LIGHTING SHALL BE TAKEN ON A GRID WITH ONE POINT IN THE CENTER OF EACH LANE, AT INTERVALS OF 75'. CONTRACTOR SHALL PLOT ON A FULL-SIZE DRAWING SET EACH MEASUREMENT TAKEN. GRIDS SHALL BE ORIENTED SUCH THAT THEY ARE SYMMETRICAL ABOUT THE ALIGNMENT CENTERLINE.
2. ANY CONTRACTOR PROPOSED ALTERNATE TO FIXTURES LISTED ON THE LIGHT FIXTURE SCHEDULE SHALL BE REVIEWED BY THE ENGINEER AND ODOT AND SHALL MEET ALL REQUIREMENTS LISTED IN THE TABLE.
3. ALL FIXTURES SHALL BE MOUNTED AND ORIENTED AS SPECIFIED ON THE LIGHTING TABLE PLAN SHEETS. UNLESS SPECIFIED OTHERWISE, ALL FIXTURES SHALL BE ORIENTED SO THAT THE FIXTURE "FRONT" AS DEFINED BY THE .IES PHOTOMETRIC FILE EXTENDS FROM THE CENTERLINE AT AN ANGLE OF 90°. HOWEVER, CONTRACTOR SHALL ADJUST FIXTURE AIMING AND ORIENTATION AS REQUIRED BY THE ENGINEER IN THE FIELD TO MEET THE LIGHTING DESIGN CRITERIA.
4. CONTRACTOR SHALL NOTE THAT ALL ELECTRICAL DISTRIBUTION SYSTEM COMPONENTS (CONDUIT, WIRE, PANELS, PULL BOXES, ETC.) ARE DESIGNED AND SIZED AROUND THE EQUIPMENT SPECIFIED. IF ALTERNATES ARE PROPOSED, IT IS THE CONTRACTOR'S RESPONSIBILITY DURING SUBMITTAL STAGE TO SUBMIT PROOF THAT THE NEW ALTERNATE WILL WORK WITH THE ELECTRICAL INFRASTRUCTURE SPECIFIED HEREIN THESE CONTRACT DOCUMENTS. IF IT WILL NOT SUPPORT THE PROPOSED ALTERNATE, THE CONTRACTOR SHALL SUBMIT WHAT MODIFICATIONS ARE REQUIRED AND THESE WILL BE MADE BY THE CONTRACTOR AT HIS/HER EXPENSE FOLLOWING APPROVAL BY THE ENGINEER.
5. PROVIDE ALL LIGHT POLES WITH FRONT FACING HAND HOLE PULL POINTS AT THE BASE OF THE POLE WITH REMOVABLE COVER WITH CHAIN, WATERPROOF GROMMET, AND TAMPERPROOF CAPTIVE SCREWS.
6. PROVIDE VIBRATION DAMPENERS FOR ALL POLES. THESE SHALL BE INDICATED IN THE SUBMITTALS AND SHOP DRAWINGS.
7. LIGHT POLE OFFSETS SHALL COMPLY WITH THE LIGHT POLE CLEARANCE TABLE AND DETAILS ON ODOT STANDARD DRAWING TYPICAL LIGHT POLE PLACEMENT DETAILS PPD1-2-00.
8. LIGHT POLE FOUNDATIONS SHALL COMPLY WITH ODOT STANDARD DRAWING TYPICAL GROUND MOUNTED LIGHT POLE FOOTING DETAILS, T-304 AND TYPICAL HIGH MAST FOOTING DETAILS, T-322.
9. THE CONTRACTOR SHALL SUBMIT ALL LIGHT FIXTURES, LIGHT POLES, AND FIXTURE ARMS TO ENGINEER FOR APPROVAL PRIOR TO PROCUREMENT.
10. ALL ELECTRICAL WORK AND MATERIAL SHALL BE PERFORMED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE NFPA 70 (2023) NATIONAL ELECTRIC CODE, NFPA 101 (2024) LIFE SAFETY CODE, NFPA 780 (2023) STANDARD FOR THE INSTALLATION OF LIGHTNING PROTECTION SYSTEMS, STATE ELECTRICAL CODE, LOCAL ELECTRIC CODE, AND ODOT STANDARDS.
11. LIGHT FIXTURE POLE LOCATION, MOUNTING, AND CONSTRUCTION SHALL CONFORM WITH ODOT STANDARDS UNLESS SPECIFIED OTHERWISE HEREIN.
12. ALL EXPOSED CONDUIT SHALL BE GALVANIZED RIGID STEEL CONDUIT (GRSC) OF QUANTITY AND SIZE INDICATED. INSTALL ALL CONDUIT AS SHOWN ON PLANS.
13. ALL CONDUIT IN BARRIER SHALL BE GALVANIZED RIGID STEEL CONDUIT (GRSC). INSTALL ALL CONDUIT AS SHOWN ON PLANS.
14. ALL BELOW GRADE CONDUIT SHALL BE PVC CONDUIT. INSTALL ALL CONDUIT AS SHOWN ON PLANS.
15. ALL UNDERGROUND PVC CONDUIT SHALL TRANSITION TO PVC COATED GALVANIZED RIGID STEEL CONDUIT 3' PRIOR TO EMERGENCE ABOVE GRADE.
16. ALL GALVANIZED RIGID STEEL CONDUIT IN CONCRETE SHALL TRANSITION TO PVC COATED GALVANIZED RIGID STEEL CONDUIT PRIOR TO EMERGENCE FROM CONCRETE.
17. REFER TO ODOT STANDARD DETAIL SHEET CCD1-1-00 FOR CONDUIT INSTALLATION NOTES AND DETAILS.
18. CONNECT ELECTRICAL EQUIPMENT ENCLOSURES, CONCRETE REBAR, GROUND RODS, STEEL CONDUIT, AND LIGHT POLES TO RESPECTIVE GROUNDING SYSTEM(S) USING #6 AWG SDBC BONDING JUMPER AND EXOTHERMIC WELDS.
19. GROUNDING SYSTEM(S) SHALL FULLY COMPLY WITH NEC SECTION 250.
20. ALL LIGHT POLES AND FIXTURES THAT ARE GROUND MOUNTED (GM) OR MEDIAN BARRIER MOUNTED (MBM) SHALL HAVE THEIR OWN DEDICATED GROUND ROD. BOND GROUND ROD TO LIGHT POLE AND GROUNDING SYSTEM.
21. INSTALL CONDUIT EXPANSION DEVICES COMPLETE WITH A GROUND STRAP AT ALL BRIDGE JOINTS. A CONDUIT EXPANSION DEVICE SHALL BE INSTALLED AT THE FOLLOWING LOCATIONS:

    A.) EACH END OF A MEDIAN BARRIER FOOTING.
    B.) EACH END OF THE MEDIAN BARRIER TRANSITIONS.
22. ALL CONDUIT ROUTING, TRENCHING, EXCAVATION, AND BACKFILL SHALL COMPLY WITH ODOT STANDARD SPECIFICATIONS AND DRAWINGS.
23. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A BOLT CIRCLE TEMPLATE FOR MEDIAN BARRIER MOUNTED POLES. THE TEMPLATE(S) SHALL BE 1/4" THICK STEEL PLATE(S), AND BE PERMANENTLY LABELED WITH THE CONTRACTOR'S COMPANY NAME, BOLT CIRCLE DIAMETER, AND THE ANCHOR BOLT DIAMETER.

LIGHT FIXTURE SCHEDULE KEYED NOTES

(1) FIXTURE, POLE (WHERE INDICATED), AND MAST ARMS SHALL BE GREY COLOR AND POLE SHALL BE GALVANIZED STEEL. SUBMIT FINISH SAMPLE TO ENGINEER FOR REVIEW PRIOR TO PROCUREMENT.

(2) FIXTURE SHALL BE PROVIDED WITH DOUBLE FUSING. FUSES SHALL BE INSTALLED ACCESSIBLE IN THE POLE HANDHOLE UTILIZING FUSE HOLDERS. REFER TO ODOT STANDARD DETAIL SHEET SCD1-1-00 FOR FUSING DETAILS.

(3) FURNISH AND INSTALL POLE AND ARMS COMPLIANT WITH ODOT STANDARD DETAILS, AASHTO REQUIREMENTS, AND SPECIFICATIONS HEREIN. POLES SHALL BE FURNISHED AND INSTALLED AS DESCRIBED ON THE FIXTURE AND POLE SCHEDULE. POLES SHALL HAVE FIXTURES IN CONFIGURATIONS AS INDICATED IN THE FIXTURE AND POLE SCHEDULE TABLE.

(4) MOUNT FIXTURE ON POLE, BRACKET, OR STRUCTURE AS DIRECTED ON THE FIXTURE AND POLE SCHEDULE. FURNISH AND INSTALL REQUIRED MOUNTING ACCESSORIES. SEE FIXTURE AND POLE SCHEDULE TABLE FOR DETAILS.

(5) FIXTURE SHALL BE UL LISTED AND LABELED FOR WET LOCATION.

(6) PROVIDE FIXTURE WITH P7 RECEPTACLE AND TAMPER RESISTANT SCREWS.

(7) WALLPACKS SHALL BE GREY COLOR.

(8) INSTALL LIGHT FIXTURES, DRIVERS, POLES, FOUNDATION, AND ALL ASSOCIATED EQUIPMENT AS SPECIFIED BY THE MANUFACTURER. SHOP DRAWINGS OF INSTALLATION SHALL BE VERIFIED DURING CONSTRUCTION.

DESIGN	JKS	10/24
DRAWN	ZJD	10/24
CHECKED	WBG	10/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

LIGHT FIXTURE SCHEDULE
(SHEET 1 OF 2)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T117

3/28/2025 9:32:41 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_LGN_001.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025

FIXTURE AND POLE SCHEDULE

LIGHT POLE ID NO.	ALIGNMENT	STATION	OFFSET	NUMBER OF FIXTURES	ORIENTATION TRUE NORTH = 0. CW ROTATION	FIXTURE TYPE	FIXTURE MOUNTING METHOD	BREAKAWAY BASE	FIXTURE MOUNTING HEIGHT	MAST ARM LENGTH	MOUNTING TYPE
LP-1	I-35	115+00	N/A	2	90	A	POLE AND DAVIT MAST ARM	YES	40′	6′	9′ DRILLED SHAFT, 30" DIAMETER
					270						
LP-2	I-35	116+90.36	N/A	2	90	A	POLE AND DAVIT MAST ARM	YES	40′	6′	9′ DRILLED SHAFT, 30" DIAMETER
					270						
LP-3	I-35	118+80.38	N.A	2	90	A	POLE AND DAVIT MAST ARM	YES	40′	6′	9′ DRILLED SHAFT, 30" DIAMETER
					270						
LP-4	I-35	120+70.36	N/A	2	90	A	POLE AND DAVIT MAST ARM	YES	40′	6′	9′ DRILLED SHAFT, 30" DIAMETER
					270						
LP-5	I-35	122+60.40	N/A	2	90	A	POLE AND DAVIT MAST ARM	YES	40′	6′	9′ DRILLED SHAFT, 30" DIAMETER
					270						
LP-6	I-35	124+50.37	N/A	2	90	A	POLE AND DAVIT MAST ARM	YES	40′	6′	9′ DRILLED SHAFT, 30" DIAMETER
					270						
LP-7	I-35	126+40.37	N/A	2	90	A	POLE AND DAVIT MAST ARM	YES	40′	6′	9′ DRILLED SHAFT, 30" DIAMETER
					270						
LP-8	I-35	128+30.36	N/A	2	90	A	POLE AND DAVIT MAST ARM	YES	40′	6′	9′ DRILLED SHAFT, 30" DIAMETER
					270						
LP-9	I-35	130+20.38	N/A	2	90	A	POLE AND DAVIT MAST ARM	YES	40′	6′	9′ DRILLED SHAFT, 30" DIAMETER
					270						
HM-10	I-35	133+68.98	72.91′ RT	5	34	B	HIGH MAST POLE AND LUMINAIRE RING AND SUPPORT ASSEMBLY	NO	120′	N/A	25′ DRILLED SHAFT, 42" DIAMETER
					106	B					
					178	B					
					250	B					
					322	B					
HM-11	I-35	140+18.40	165.09′ RT	5	62	B	HIGH MAST POLE AND LUMINAIRE RING AND SUPPORT ASSEMBLY	NO	120′	N/A	25′ DRILLED SHAFT, 42" DIAMETER
					134	B					
					206	B					
					278	B					
					350	B					
UP-12	WATERLOO	66+95.91	53.15′ RT	1	0	D	WALLPACK	YES	20′	N/A	N/A
UP-13	WATERLOO	66+23.83	53.16′ RT	1	0	D	WALLPACK	YES	20′	N/A	N/A
UP-14	WATERLOO	66+95.87	42.44′ LT	1	180	D	WALLPACK	YES	20′	N/A	N/A
UP-15	WATERLOO	66+23.63	42.44′ LT	1	180	D	WALLPACK	YES	20′	N/A	N/A
HM-16	I-35	144+59.45	75.08′ LT	5	4	B	HIGH MAST POLE AND LUMINAIRE RING AND SUPPORT ASSEMBLY	NO	120′	N/A	25′ DRILLED SHAFT, 42" DIAMETER
					76	B					
					148	B					
					220	B					
					292	B					
LP-17	I-35	147+90.71	N/A	2	90	A	POLE AND DAVIT MAST ARM	YES	40′	6′	9′ DRILLED SHAFT, 30" DIAMETER
					270						
LP-18	I-35	149+57.39	N/A	2	90	A	POLE AND DAVIT MAST ARM	YES	40′	6′	9′ DRILLED SHAFT, 30" DIAMETER
					270						
LP-19	I-35	151+31.75	N/A	2	90	A	POLE AND DAVIT MAST ARM	YES	40′	6′	9′ DRILLED SHAFT, 30" DIAMETER
					270						
LP-20	I-35	152+84.21	N/A	2	90	A	POLE AND DAVIT MAST ARM	YES	40′	6′	9′ DRILLED SHAFT, 30" DIAMETER
					270						
LP-21	I-35	154+58.99	N/A	2	90	A	POLE AND DAVIT MAST ARM	YES	40′	6′	9′ DRILLED SHAFT, 30" DIAMETER
					270						
LP-22	I-35	156+14.15	N/A	2	90	A	POLE AND DAVIT MAST ARM	YES	40′	6′	9′ DRILLED SHAFT, 30" DIAMETER
					270						
LP-23	I-35	157+74.62	N/A	2	90	A	POLE AND DAVIT MAST ARM	YES	40′	6′	9′ DRILLED SHAFT, 30" DIAMETER
					270						
LP-24	I-35	159+30.56	N/A	2	90	A	POLE AND DAVIT MAST ARM	YES	40′	6′	9′ DRILLED SHAFT, 30" DIAMETER
					270						
LP-25	I-35	161+20.79	N/A	2	90	A	POLE AND DAVIT MAST ARM	YES	40′	6′	9′ DRILLED SHAFT, 30" DIAMETER
					270						

FIXTURE AND POLE SCHEDULE (CONT'D)

LIGHT POLE ID NO.	ALIGNMENT	STATION	OFFSET	NUMBER OF FIXTURES	ORIENTATION TRUE NORTH = 0. CW ROTATION	FIXTURE TYPE	FIXTURE MOUNTING METHOD	BREAKAWAY BASE	FIXTURE MOUNTING HEIGHT	MAST ARM LENGTH	MOUNTING TYPE
LP-26	I-35	163+13.37	N/A	2	90	A	POLE AND DAVIT MAST ARM	YES	40′	6′	9′ DRILLED SHAFT, 30" DIAMETER
					270						
LP-27	I-35	165+07.24	N/A	2	90	A	POLE AND DAVIT MAST ARM	YES	40′	6′	9′ DRILLED SHAFT, 30" DIAMETER
					270						
LP-28	I-35	166+89.17	N/A	2	90	A	POLE AND DAVIT MAST ARM	YES	40′	6′	9′ DRILLED SHAFT, 30" DIAMETER
					270						
HM-29	I-35	144+59.45	75.08′ LT	5	40	B	HIGH MAST POLE AND LUMINAIRE RING AND SUPPORT ASSEMBLY	NO	120′	N/A	25′ DRILLED SHAFT, 42" DIAMETER
					112	B					
					184	B					
					256	B					
					328	B					
LP-30	WATERLOO	61+65.24	05.98′ RT	2	4	A	POLE AND DAVIT MAST ARM	YES	40′	6′	9′ DRILLED SHAFT, 30" DIAMETER
					184						
LP-31	WATERLOO	59+73.56	56.62′ LT	1	196	C	POLE AND DAVIT MAST ARM	YES	40′	6′	9′ DRILLED SHAFT, 30" DIAMETER
LP-32	WATERLOO	59+70.47	60.41′ RT	1	14	C	POLE AND DAVIT MAST ARM	YES	40′	6′	9′ DRILLED SHAFT, 30" DIAMETER
LP-33	WATERLOO	57+67.68	52.63′ LT	1	188.36	C	POLE AND DAVIT MAST ARM	YES	40′	6′	9′ DRILLED SHAFT, 30" DIAMETER
LP-34	WATERLOO	57+64.21	57.89′ RT	1	8	C	POLE AND DAVIT MAST ARM	YES	40′	6′	9′ DRILLED SHAFT, 30" DIAMETER
LP-35	WATERLOO	71+57.91	04.14′ RT	2	170	A	POLE AND DAVIT MAST ARM	YES	40′	6′	9′ DRILLED SHAFT, 30" DIAMETER
					350						
LP-36	WATERLOO	73+75.67	42.94′ RT	1	351	C	POLE AND DAVIT MAST ARM	YES	40′	6′	9′ DRILLED SHAFT, 30" DIAMETER
LP-37	WATERLOO	73+79.86	43.29′ LT	1	170	C	POLE AND DAVIT MAST ARM	YES	40′	6′	9′ DRILLED SHAFT, 30" DIAMETER

GENERAL NOTES:

1. SEE LIGHT FIXTURE SCHEDULE SHEET FOR FIXTURE, POLE, AND ARM SPECIFICATIONS, AS WELL AS LIGHTING DESIGN CRITERIA.
2. STATIONING GIVEN IS TO THE CENTER OF THE LIGHT POLE.
3. HIGH MAST LIGHT POLE FOUNDATIONS WERE DESIGNED FOR THE FOLLOWING LOADS:
   SHEAR: 3,142 LBS
   MOMENT: 235,704 FT-LBS
   AXIAL: 7,103 LBS
   THE POLE MANUFACTURER SHALL PROVIDE POLE REACTIONS. INCLUDING P-DELTA EFFECTS, TO THE ENGINEER FOR APPROVAL BEFORE BEGINNING FABRICATION.

DESIGN	JKS	10/24
DRAWN	ZJD	10/24
CHECKED	WBG	10/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

LIGHT FIXTURE SCHEDULE
(SHEET 2 OF 2)

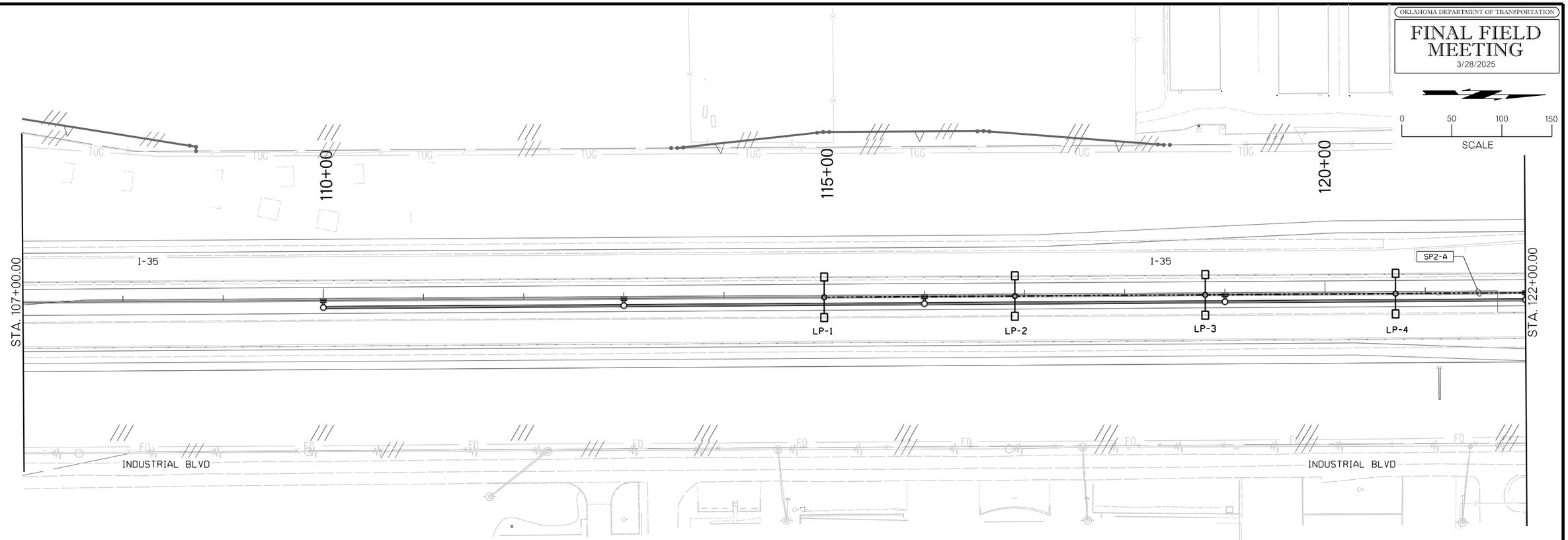
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T118

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025



INSTALLATION LEGEND

— — —	INSTALL NEW EXPOSED GALVANIZED RIGID STEEL ELECTRICAL CONDUIT WITH ROADWAY LIGHTING CIRCUIT(S), (1-WAY 2"C)
	INSTALL NEW SINGLE ARM LIGHT FIXTURE AND LIGHT POLE ON NEW BARRIER
———	INSTALL NEW ELECTRICAL CONDUIT WITH ROADWAY LIGHTING CIRCUIT(S), TRENCHED (1-WAY 2"C)
–·–·–·–	INSTALL NEW ELECTRICAL CONDUIT WITH ROADWAY LIGHTING CIRCUIT(S), IN BARRIER (1-WAY 2"C)
	INSTALL NEW SINGLE ARM LIGHT FIXTURE AND LIGHT POLE ON NEW FOUNDATION
	INSTALL NEW DUAL ARM LIGHT FIXTURE AND LIGHT POLE ON NEW FOUNDATION
	INSTALL NEW WALLPACK LIGHT FIXTURE, MOUNTED TO BRIDGE PIER CAP
	INSTALL NEW HIGH MAST LIGHT FIXTURES AND HIGH MAST LIGHT POLE ON NEW FOUNDATION. NUMBER OF LUMINAIRES AS SHOWN
	INSTALL NEW 240/480V SINGLE PHASE ELECTRICAL EQUIPMENT RACK WITH UTILITY METER, MAIN DISCONNECT, POWER PANEL, AND PEC
PB	INSTALL NEW SIZE II ELECTRICAL POLYMER CONCRETE PULL BOX

INSTALLATION NOTES:

1. ALL INSTALLATION ITEMS SHALL BE AS DETAILED IN THE LEGEND UNLESS OTHERWISE NOTED.
2. SEE ELECTRICAL LEGEND, GENERAL NOTES, AND QUANTITY SUMMARY SHEETS FOR ADDITIONAL INFORMATION.

DESIGN	JKS	10/24
DRAWN	ZJD	10/24
CHECKED	WBG	10/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

LIGHTING INSTALLATION PLAN (SHEET 1 OF 6)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T119

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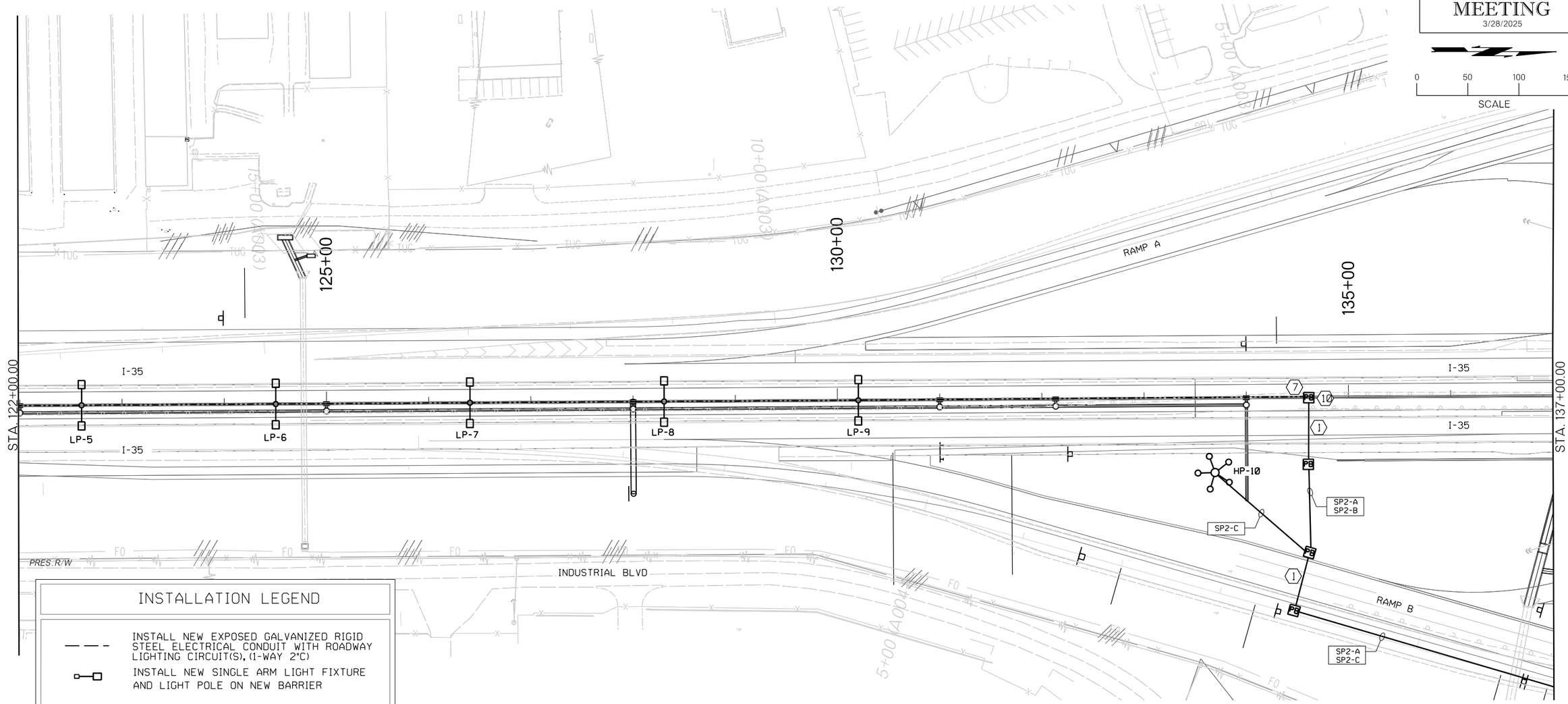
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 50 100 150

SCALE



INSTALLATION LEGEND

- INSTALL NEW EXPOSED GALVANIZED RIGID STEEL ELECTRICAL CONDUIT WITH ROADWAY LIGHTING CIRCUIT(S), (1-WAY 2"C)
- INSTALL NEW SINGLE ARM LIGHT FIXTURE AND LIGHT POLE ON NEW BARRIER
- INSTALL NEW ELECTRICAL CONDUIT WITH ROADWAY LIGHTING CIRCUIT(S), TRENCHED (1-WAY 2"C)
- INSTALL NEW ELECTRICAL CONDUIT WITH ROADWAY LIGHTING CIRCUIT(S), IN BARRIER (1-WAY 2"C)
- INSTALL NEW SINGLE ARM LIGHT FIXTURE AND LIGHT POLE ON NEW FOUNDATION
- INSTALL NEW DUAL ARM LIGHT FIXTURE AND LIGHT POLE ON NEW FOUNDATION
- INSTALL NEW WALLPACK LIGHT FIXTURE, MOUNTED TO BRIDGE PIER CAP
- INSTALL NEW HIGH MAST LIGHT FIXTURES AND HIGH MAST LIGHT POLE ON NEW FOUNDATION. NUMBER OF LUMINAIRES AS SHOWN
- INSTALL NEW 240/480V SINGLE PHASE ELECTRICAL EQUIPMENT RACK WITH UTILITY METER, MAIN DISCONNECT, POWER PANEL, AND PEC
- PB — INSTALL NEW SIZE II ELECTRICAL POLYMER CONCRETE PULL BOX

INSTALLATION NOTES:

1. ALL INSTALLATION ITEMS SHALL BE AS DETAILED IN THE LEGEND UNLESS OTHERWISE NOTED.
2. SEE ELECTRICAL LEGEND, GENERAL NOTES, AND QUANTITY SUMMARY SHEETS FOR ADDITIONAL INFORMATION.

LIGHTING INSTALLATION PLANS KEYED NOTES:

(1) CONDUIT RUN SHALL BE TWO (2) 2" CONDUITS.

(7) TRANSITION FROM CONDUIT INSTALLED IN SOIL TO CONDUIT INSTALL IN BARRIER

(10) STUB-UP NEW CONDUIT IN NEW PULLBOX INSTALLED IN BARRIER

DESIGN	JKS	10/24
DRAWN	ZJD	10/24
CHECKED	WBG	10/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

LIGHTING INSTALLATION PLAN (SHEET 2 OF 6)

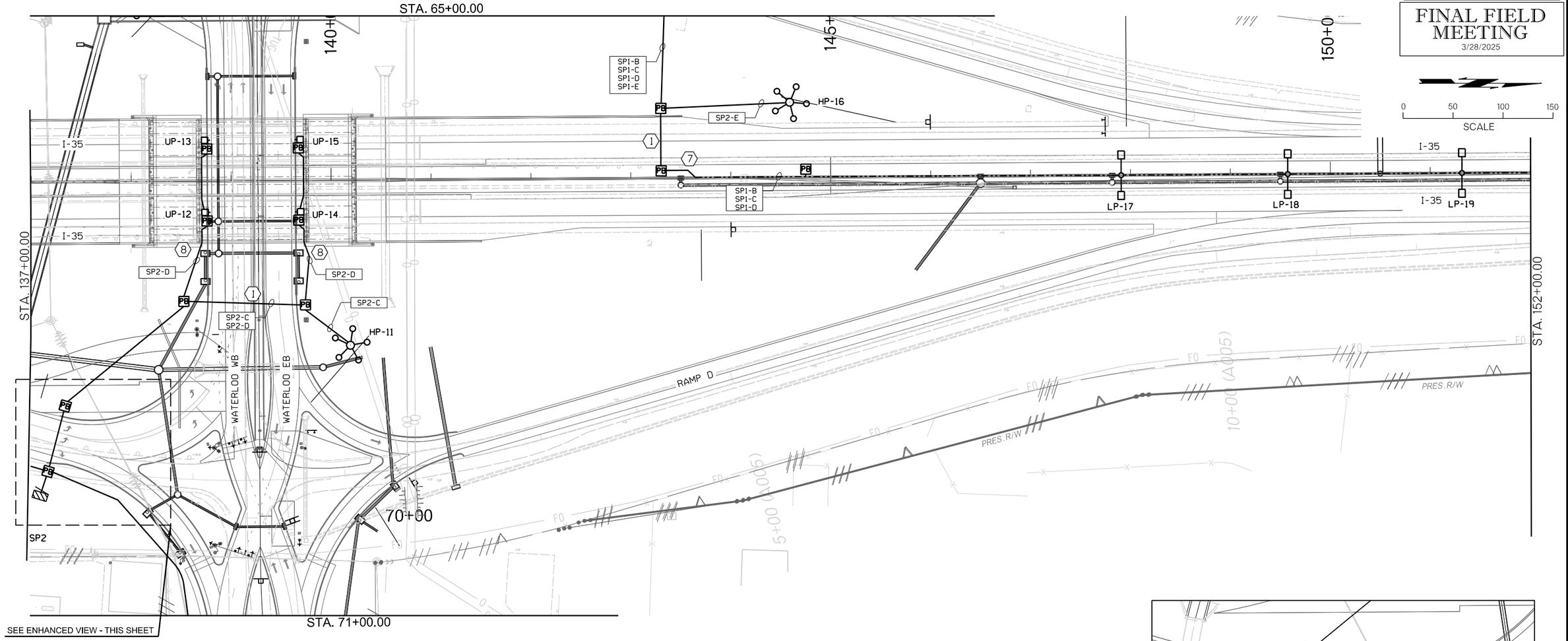
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T120

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

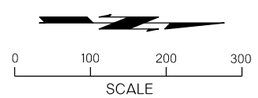
FINAL FIELD MEETING

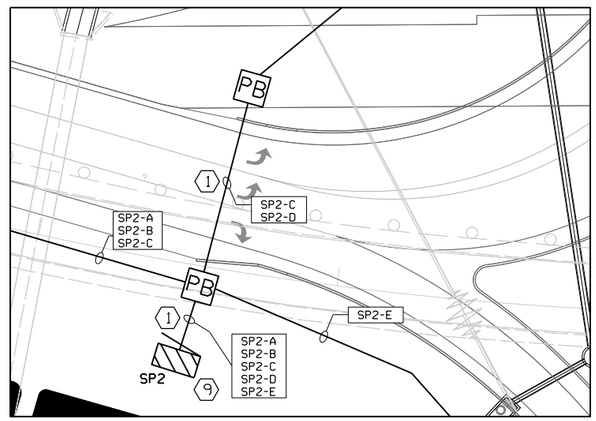
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INSTALLATION LEGEND

— — —	INSTALL NEW EXPOSED GALVANIZED RIGID STEEL ELECTRICAL CONDUIT WITH ROADWAY LIGHTING CIRCUIT(S), (1-WAY 2"C)
	INSTALL NEW SINGLE ARM LIGHT FIXTURE AND LIGHT POLE ON NEW BARRIER
———	INSTALL NEW ELECTRICAL CONDUIT WITH ROADWAY LIGHTING CIRCUIT(S), TRENCHED (1-WAY 2"C)
– – – –	INSTALL NEW ELECTRICAL CONDUIT WITH ROADWAY LIGHTING CIRCUIT(S), IN BARRIER (1-WAY 2"C)
	INSTALL NEW SINGLE ARM LIGHT FIXTURE AND LIGHT POLE ON NEW FOUNDATION
	INSTALL NEW DUAL ARM LIGHT FIXTURE AND LIGHT POLE ON NEW FOUNDATION
	INSTALL NEW WALLPACK LIGHT FIXTURE, MOUNTED TO BRIDGE PIER CAP
	INSTALL NEW HIGH MAST LIGHT FIXTURES AND HIGH MAST LIGHT POLE ON NEW FOUNDATION. NUMBER OF LUMINAIRES AS SHOWN
	INSTALL NEW 240/480V SINGLE PHASE ELECTRICAL EQUIPMENT RACK WITH UTILITY METER, MAIN DISCONNECT, POWER PANEL, AND PEC
PB	INSTALL NEW SIZE II ELECTRICAL POLYMER CONCRETE PULL BOX





ENHANCED VIEW

LIGHTING INSTALLATION PLANS KEYED NOTES:

1. CONDUIT RUN SHALL BE TWO (2) 2" CONDUITS.
7. TRANSITION FROM CONDUIT INSTALLED IN SOIL TO CONDUIT INSTALL IN BARRIER
8. TRANSITION CONDUIT FROM CONDUIT INSTALLED IN SOIL TO CONDUIT INSTALL IN PIER CAP FOR CONNECTION TO NEW WALLPACK LIGHT FIXTURES
9. CONNECT NEW ELECTRICAL EQUIPMENT RACK TO POLE MOUNTED UTILITY TRANSFORMER. COORDINATE EXACT LOCATION OF UTILITY POLE AND TRANSFORMER WITH UTILITY DURING CONSTRUCTION. FOR CONNECTION, INSTALL NEW CONDUIT RUN, TWO 2" CONDUITS, WITH SECONDARY CONDUCTORS BETWEEN THE ELECTRICAL EQUIPMENT RACK AND THE UTILITY POLE.

INSTALLATION NOTES:

1. ALL INSTALLATION ITEMS SHALL BE AS DETAILED IN THE LEGEND UNLESS OTHERWISE NOTED.
2. SEE ELECTRICAL LEGEND, GENERAL NOTES, AND QUANTITY SUMMARY SHEETS FOR ADDITIONAL INFORMATION.

DESIGN	JKS	10/24
DRAWN	ZJD	10/24
CHECKED	WBG	10/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

LIGHTING INSTALLATION PLAN (SHEET 3 OF 6)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T121

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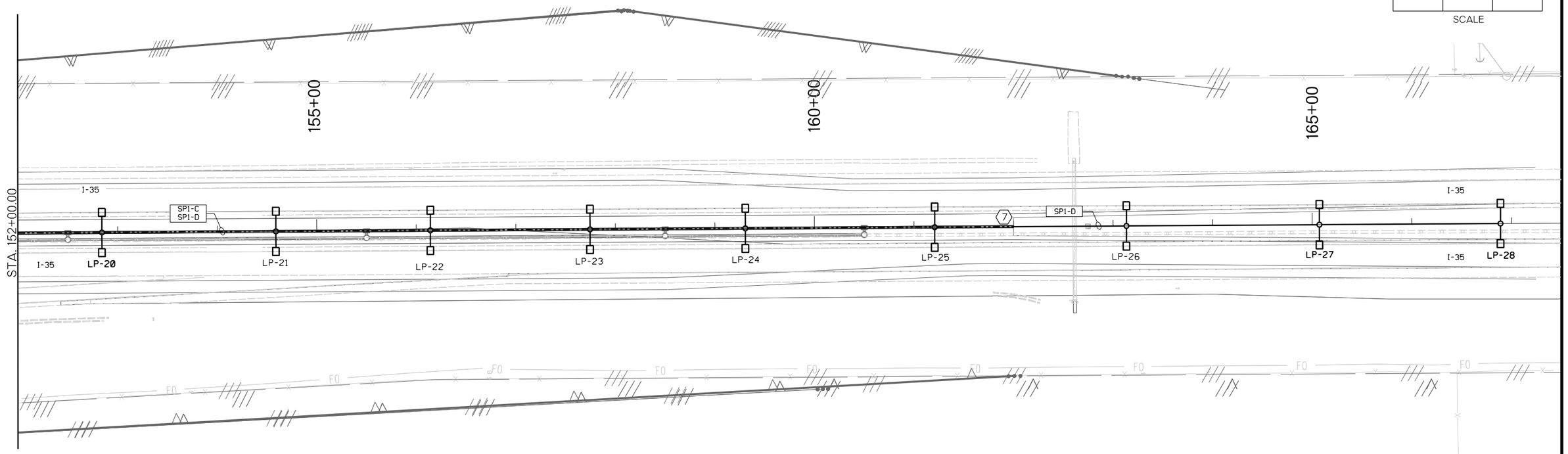
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 50 100 150

SCALE



INSTALLATION LEGEND

- INSTALL NEW EXPOSED GALVANIZED RIGID STEEL ELECTRICAL CONDUIT WITH ROADWAY LIGHTING CIRCUIT(S), (1-WAY 2"C)
- INSTALL NEW SINGLE ARM LIGHT FIXTURE AND LIGHT POLE ON NEW BARRIER
- INSTALL NEW ELECTRICAL CONDUIT WITH ROADWAY LIGHTING CIRCUIT(S), TRENCHED (1-WAY 2"C)
- INSTALL NEW ELECTRICAL CONDUIT WITH ROADWAY LIGHTING CIRCUIT(S), IN BARRIER (1-WAY 2"C)
- INSTALL NEW SINGLE ARM LIGHT FIXTURE AND LIGHT POLE ON NEW FOUNDATION
- INSTALL NEW DUAL ARM LIGHT FIXTURE AND LIGHT POLE ON NEW FOUNDATION
- INSTALL NEW WALLPACK LIGHT FIXTURE, MOUNTED TO BRIDGE PIER CAP
- INSTALL NEW HIGH MAST LIGHT FIXTURES AND HIGH MAST LIGHT POLE ON NEW FOUNDATION. NUMBER OF LUMINAIRES AS SHOWN
- INSTALL NEW 240/480V SINGLE PHASE ELECTRICAL EQUIPMENT RACK WITH UTILITY METER, MAIN DISCONNECT, POWER PANEL, AND PEC
- PB — INSTALL NEW SIZE II ELECTRICAL POLYMER CONCRETE PULL BOX

INSTALLATION NOTES:

1. ALL INSTALLATION ITEMS SHALL BE AS DETAILED IN THE LEGEND UNLESS OTHERWISE NOTED.
2. SEE ELECTRICAL LEGEND, GENERAL NOTES, AND QUANTITY SUMMARY SHEETS FOR ADDITIONAL INFORMATION.

LIGHTING INSTALLATION PLANS KEYED NOTES:

⟨7⟩ TRANSITION FROM CONDUIT INSTALLED IN SOIL TO CONDUIT INSTALL IN BARRIER

DESIGN	JKS	10/24
DRAWN	ZJD	10/24
CHECKED	WBG	10/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

LIGHTING INSTALLATION PLAN (SHEET 4 OF 6)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T122

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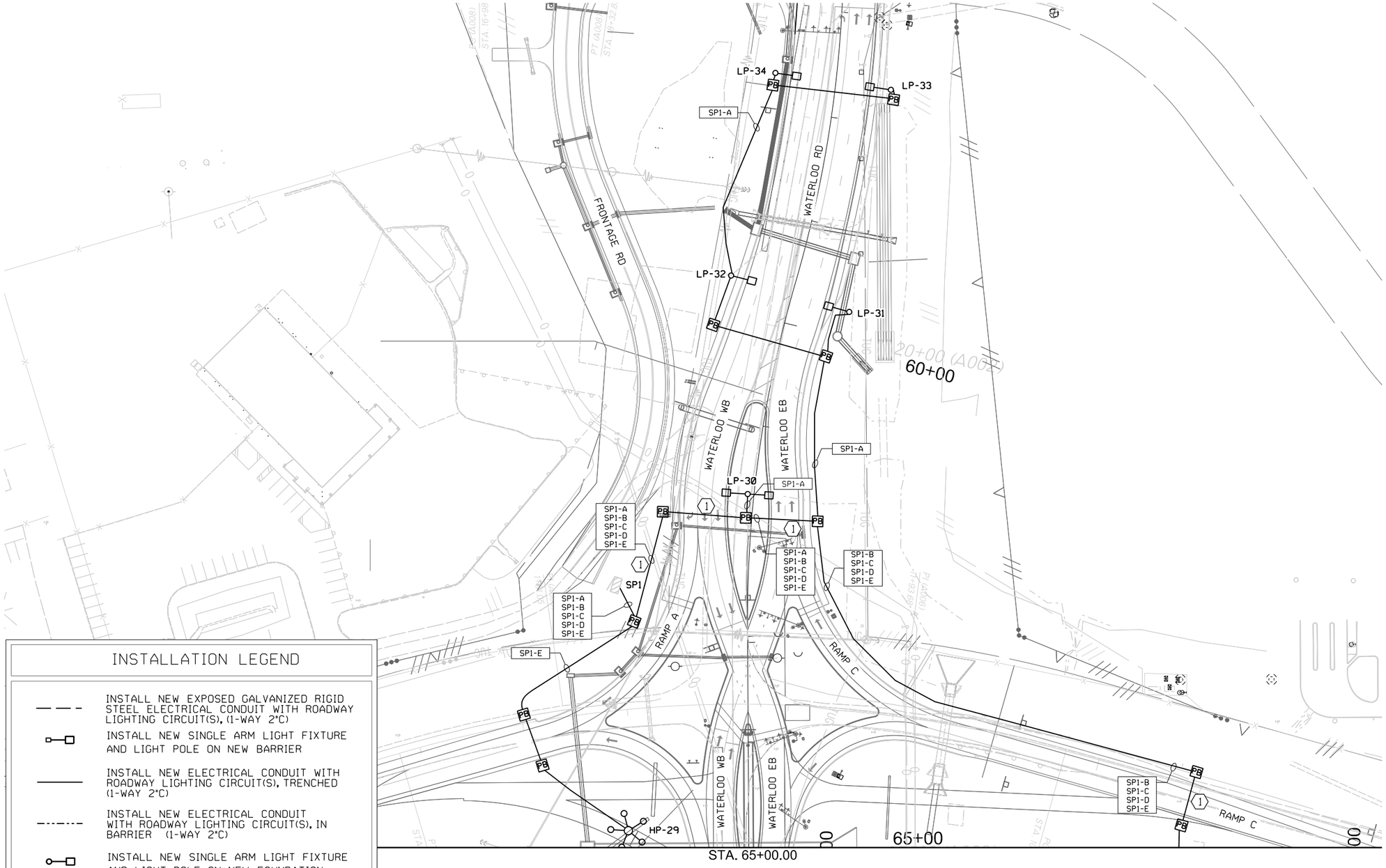
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 50 100 150

SCALE



INSTALLATION LEGEND

- INSTALL NEW EXPOSED GALVANIZED RIGID STEEL ELECTRICAL CONDUIT WITH ROADWAY LIGHTING CIRCUIT(S), (1-WAY 2"C)
- INSTALL NEW SINGLE ARM LIGHT FIXTURE AND LIGHT POLE ON NEW BARRIER
- INSTALL NEW ELECTRICAL CONDUIT WITH ROADWAY LIGHTING CIRCUIT(S), TRENCHED (1-WAY 2"C)
- INSTALL NEW ELECTRICAL CONDUIT WITH ROADWAY LIGHTING CIRCUIT(S), IN BARRIER (1-WAY 2"C)
- INSTALL NEW SINGLE ARM LIGHT FIXTURE AND LIGHT POLE ON NEW FOUNDATION
- INSTALL NEW DUAL ARM LIGHT FIXTURE AND LIGHT POLE ON NEW FOUNDATION
- INSTALL NEW WALLPACK LIGHT FIXTURE, MOUNTED TO BRIDGE PIER CAP
- INSTALL NEW HIGH MAST LIGHT FIXTURES AND HIGH MAST LIGHT POLE ON NEW FOUNDATION. NUMBER OF LUMINAIRES AS SHOWN
- INSTALL NEW 240/480V SINGLE PHASE ELECTRICAL EQUIPMENT RACK WITH UTILITY METER, MAIN DISCONNECT, POWER PANEL, AND PEC
- PB INSTALL NEW SIZE II ELECTRICAL POLYMER CONCRETE PULL BOX

INSTALLATION NOTES:

1. ALL INSTALLATION ITEMS SHALL BE AS DETAILED IN THE LEGEND UNLESS OTHERWISE NOTED.
2. SEE ELECTRICAL LEGEND, GENERAL NOTES, AND QUANTITY SUMMARY SHEETS FOR ADDITIONAL INFORMATION.

LIGHTING INSTALLATION PLANS KEYED NOTES:

(1) CONDUIT RUN SHALL BE TWO (2) 2" CONDUITS.

DESIGN	JKS	10/24
DRAWN	ZJD	10/24
CHECKED	WBG	10/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

LIGHTING INSTALLATION PLAN (SHEET 5 OF 6)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T123

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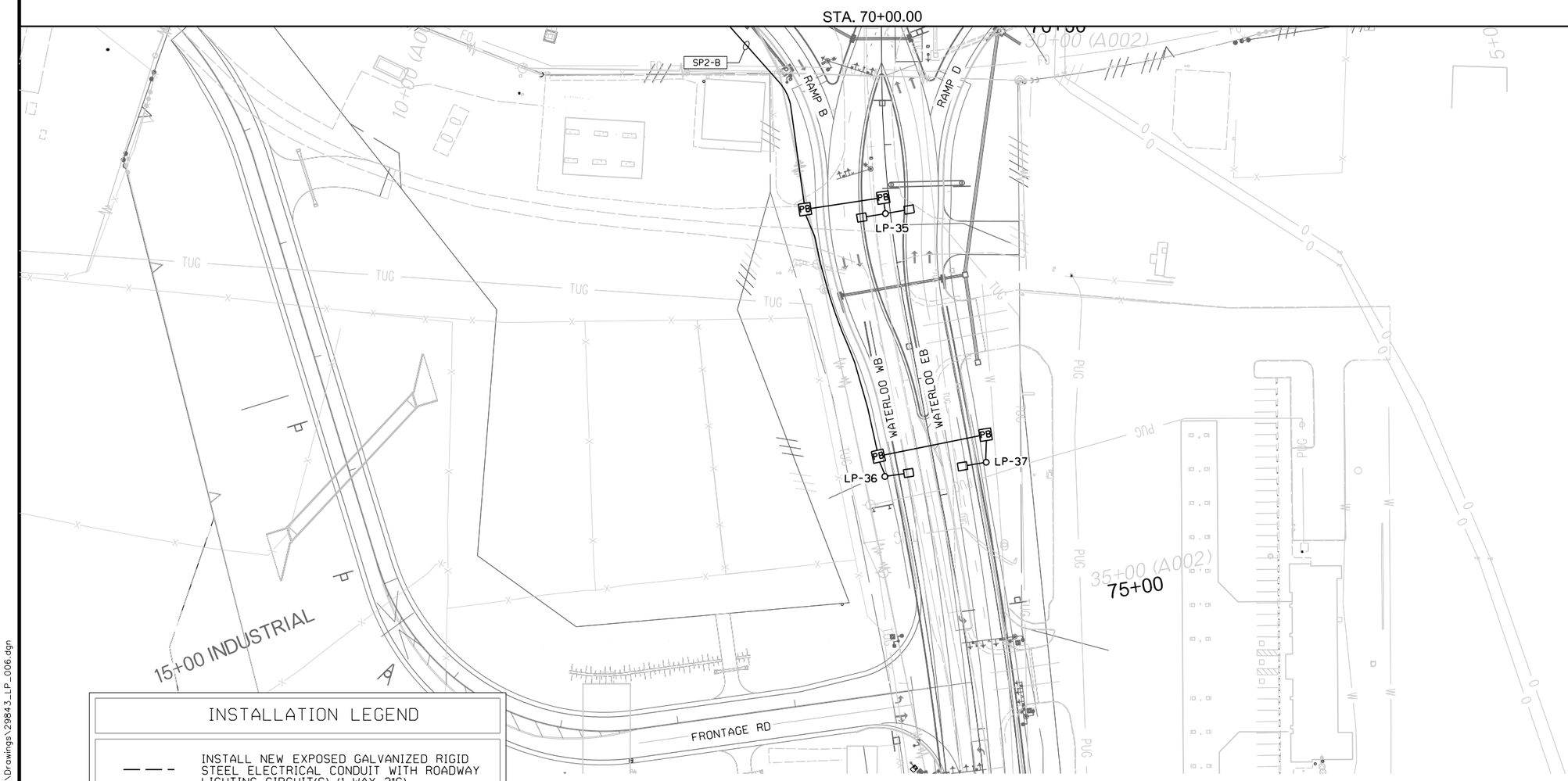
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

0 50 100 150

SCALE



INSTALLATION LEGEND

- INSTALL NEW EXPOSED GALVANIZED RIGID STEEL ELECTRICAL CONDUIT WITH ROADWAY LIGHTING CIRCUIT(S), (1-WAY 2"C)
- INSTALL NEW SINGLE ARM LIGHT FIXTURE AND LIGHT POLE ON NEW BARRIER
- INSTALL NEW ELECTRICAL CONDUIT WITH ROADWAY LIGHTING CIRCUIT(S), TRENCHED (1-WAY 2"C)
- INSTALL NEW ELECTRICAL CONDUIT WITH ROADWAY LIGHTING CIRCUIT(S), IN BARRIER (1-WAY 2"C)
- INSTALL NEW SINGLE ARM LIGHT FIXTURE AND LIGHT POLE ON NEW FOUNDATION
- INSTALL NEW DUAL ARM LIGHT FIXTURE AND LIGHT POLE ON NEW FOUNDATION
- INSTALL NEW WALLPACK LIGHT FIXTURE, MOUNTED TO BRIDGE PIER CAP
- INSTALL NEW HIGH MAST LIGHT FIXTURES AND HIGH MAST LIGHT POLE ON NEW FOUNDATION. NUMBER OF LUMINAIRES AS SHOWN
- INSTALL NEW 240/480V SINGLE PHASE ELECTRICAL EQUIPMENT RACK WITH UTILITY METER, MAIN DISCONNECT, POWER PANEL, AND PEC
- PB — INSTALL NEW SIZE II ELECTRICAL POLYMER CONCRETE PULL BOX

INSTALLATION NOTES:

1. ALL INSTALLATION ITEMS SHALL BE AS DETAILED IN THE LEGEND UNLESS OTHERWISE NOTED.
2. SEE ELECTRICAL LEGEND, GENERAL NOTES, AND QUANTITY SUMMARY SHEETS FOR ADDITIONAL INFORMATION.

LIGHTING INSTALLATION PLANS KEYED NOTES:

(1) CONDUIT RUN SHALL BE TWO (2) 2" CONDUITS.

DESIGN	JKS	10/24
DRAWN	ZJD	10/24
CHECKED	WBG	10/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

LIGHTING INSTALLATION PLAN (SHEET 6 OF 6)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T124

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OKLAHOMA DEPARTMENT OF TRANSPORTATION
FINAL FIELD MEETING
3/28/2025

PANEL NAME:	VOLTAGE	PHASE:	WIRE:	NEUTRAL RATING:	PANEL DESCRIPTION:
SP1	480/277	1	3	100%	I-35/WATERLOO SP1 LIGHTING
MAINS:	**MOUNTING:**	**MAX. NO. OF CIRCUITS:**		**PANEL A.I.C. RATING:**	**LOCATION:**
100A MCB	Surface	16		22,000	EXTERIOR MOUNTED ENCLOSURE

NO	DESCRIPTION	BRANCH POLES	BKR	WIRE (AWG)	VA L1	VA L2	Load Type	Load Type	VA L1	VA L2	WIRE (AWG)	BRANCH BKR	BRANCH POLES	DESCRIPTION	NO.
1	SOUTH I-35 LIGHTING CIRCUIT SP1-A	2	20	10	452		L	L	712		4	20	2	SOUTH I-35 LIGHTING CIRCUIT SP1-B	2
3						452	L	L		712					4
5	EAST I-35 HIGH MAST LIGHTING CIRCUIT SP2-C	2	20	4	570		L	L	570		4	20	2	SOUTH I-35 LIGHTING CIRCUIT SP1-D	6
7						570	L	L		570					8
9	SPARE	1	20	-			-	L	774		6	20	2	EAST WATERLOO HIGH MAST LIGHTING CIRCUIT SP2-E	10
9	SPD	2	60	6			E	L		774					12
11							E	-			-	20	1	SPARE	14
15	GFCI RECEPTACLE	1	20	12			R	-			-	20	1	SPARE	16

DESCRIPTION	CODE	L1	L2	TOTAL SUM	TOTAL %
LIGHTING	L	3078	3078	6156	100
RECEPT	R	0	0	0	0
EQUIP.	E	0	0	0	0
OTHER		0	0	0	0
HVAC	H	0	0	0	0
CUSTOM	HC	0	0	0	0
ADDITIONAL		0	0	0	0
TOTAL		3078	3078	6156	
DEMAND		3078	3078	6156	100
%		50	50		

DESIGN LOAD (kVA)
7.70
0.00
0.00
0.00
0.00
0.00
0.00
7.70
SPARE 15%

TOTAL CONNECTED LOAD
25.7 Amps 6.16 kVA

TOTAL DESIGN LOAD *
37.7 Amps 9.05 kVA

* TOTAL DESIGN LOAD INCLUDES CALCULATED DESIGN LOADS PER NEC DEMAND FACTCRS AND THE STATED SPARE CAPACITY.

PANEL SCHEDULE: I-35-SP1

PANEL NAME:	VOLTAGE	PHASE:	WIRE:	NEUTRAL RATING:	PANEL DESCRIPTION:
SP2	480/277	1	3	100%	I-35/WATERLOO SP2 LIGHTING
MAINS:	**MOUNTING:**	**MAX. NO. OF CIRCUITS:**		**PANEL A.I.C. RATING:**	**LOCATION:**
100A MCB	Surface	16		22,000	EXTERIOR MOUNTED ENCLOSURE

NO	DESCRIPTION	BRANCH POLES	BKR	WIRE (AWG)	VA L1	VA L2	Load Type	Load Type	VA L1	VA L2	WIRE (AWG)	BRANCH BKR	BRANCH POLES	DESCRIPTION	NO.
1	NORTH WATERLOO LIGHTING CIRCUIT SP2-A	2	20	6	570		L	L	712		10	20	1	NORTH I-35 LIGHTING CIRCUIT SP2-B	2
3						570	L	L		712					4
5	NORTH I-35 LIGHTING CIRCUIT SP2-C	2	20	6	1424		L	L	570		6	20	1	NORTH I-35 LIGHTING CIRCUIT SP2-D	6
7						1424	L	L		570					8
9	SPARE	1	20	-			-	L	570		6	20	1	WEST WATERLOO HIGH MAST LIGHTING CIRCUIT SP2-E	10
9	SPD	2	60	6			E	L		570					12
11							E	-	570		-	20	1	SPARE	14
15	GFCI RECEPTACLE	1	20	12			R	-		570	-	20	1	SPARE	16

DESCRIPTION	CODE	L1	L2	TOTAL SUM	TOTAL %
LIGHTING	L	3846	3846	7692	100
RECEPT	R	0	0	0	0
EQUIP.	E	0	0	0	0
OTHER		0	0	0	0
HVAC	H	0	0	0	0
CUSTOM	HC	0	0	0	0
ADDITIONAL		0	0	0	0
TOTAL		3846	3846	7692	
DEMAND		3846	3846	7692	100
%		50	50		

DESIGN LOAD (kVA)
9.62
0.00
0.00
0.00
0.00
0.00
0.00
9.62
SPARE 15%

TOTAL CONNECTED LOAD
32.1 Amps 7.69 kVA

TOTAL DESIGN LOAD *
47.1 Amps 11.31 kVA

* TOTAL DESIGN LOAD INCLUDES CALCULATED DESIGN LOADS PER NEC DEMAND FACTORS AND THE STATED SPARE CAPACITY.

PANEL SCHEDULE: I-35-SP2

ARC FLASH STUDY NOTES:

1. SUBMIT TO THE ENGINEER THE COMPLETE ONE-LINE INFORMATION FOR THE PANEL ON AS-BUILT DRAWINGS. THIS INFORMATION SHALL INCLUDE ALL NEW AND EXISTING EQUIPMENT WITHIN THE POWER DISTRIBUTION SYSTEM INCLUDING:
   a) PANELBOARD NAMEPLATE DATA
   b) TRANSFORMERS NAMEPLATE DATA
   c) CIRCUIT BREAKER/FUSE RATINGS AND MODEL NUMBERS
   d) CONDUCTOR SIZES, LENGTHS, AND TYPES
   e) CONDUIT SIZES AND TYPES
   f) OTHER INFORMATION AS REQUESTED
2. TRACE EXISTING CIRCUITS AS REQUIRED TO COMPLETE THE AS BUILT DRAWINGS.
3. CONTRACTOR WILL COMPLETE ARC FLASH STUDY. ENGINEER WILL REVIEW STUDY PRIOR TO CONTRACTOR ORDERING FLASH LABELS.
4. SUBMIT LABEL TYPE, STYLE, AND APPEARANCE TO ENGINEER FOR APPROVAL PRIOR TO PURCHASING LABELS.
5. PROCURE LABELS AND INSTALL ON EQUIPMENT.
6. ALL WORK REQUIRED TO COMPLETE ARC FLASH LABELING SHALL BE CONSIDERED SUBSIDIARY TO THE ELECTRICAL PANEL PAY ITEMS.

GENERAL NOTES:

1. FURNISH AND INSTALL ELECTRICAL PANELS, CIRCUIT BREAKERS, AND CIRCUITS AS INDICATED. SEE ONE-LINES FOR MORE DETAILS.
2. BACK FED TYPE MAINS WILL NOT BE ACCEPTED.

DESIGN	JKS	10/24	OKLAHOMA DEPARTMENT OF TRANSPORTATION
DRAWN	ZJD	10/24	
CHECKED	WBG	10/24	LIGHTING DETAILS (SHEET 1 OF 6)
APPROVED			
SQUAD	GARVER		

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T125

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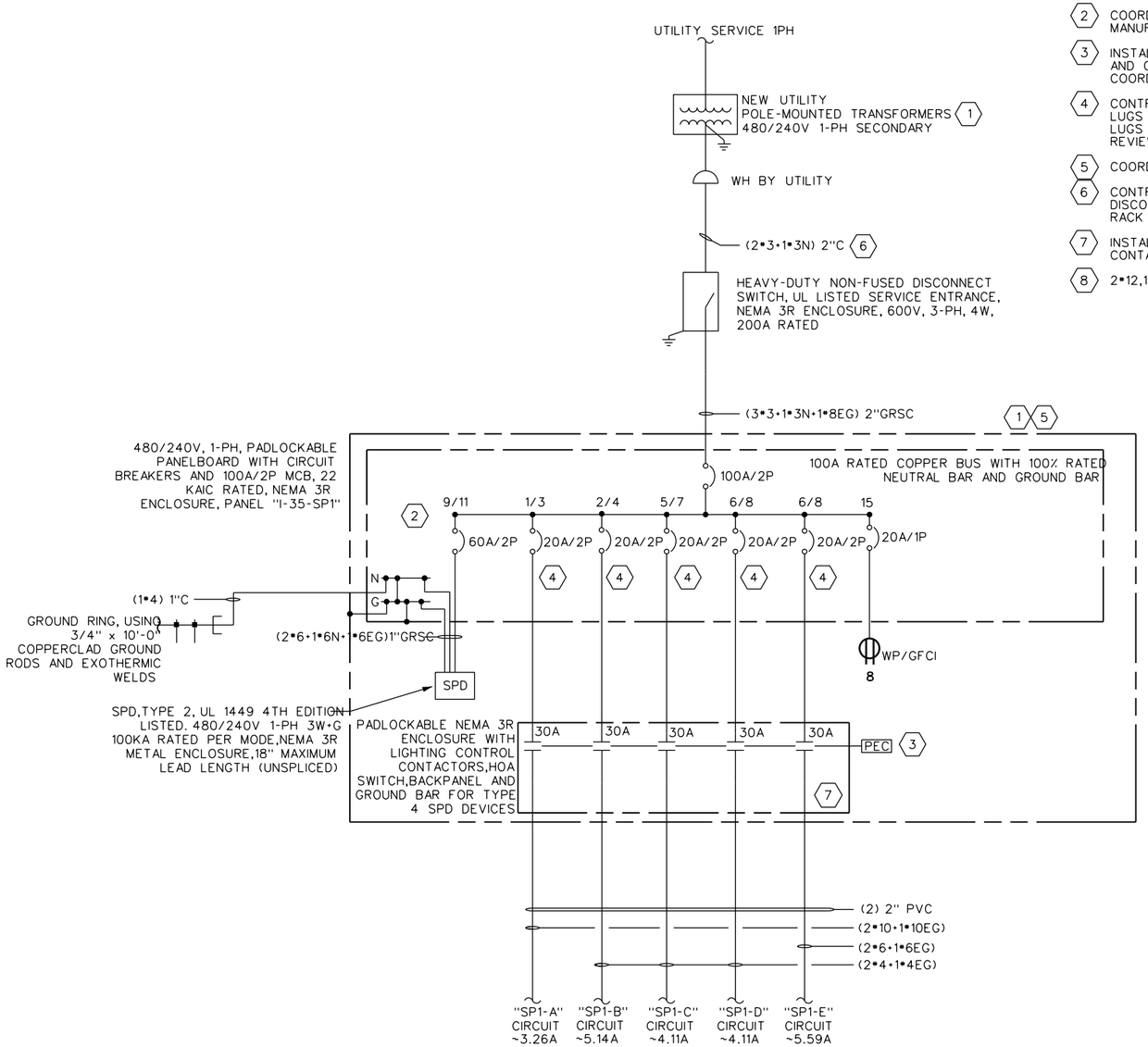
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025

EQUIPMENT LINE TYPES

_____ NEW EQUIPMENT

_ _ _ _ NEW EQUIPMENT PACKAGE



ONE-LINE DIAGRAM KEYED NOTES

(1) NEW POLE, POLE-MOUNTED TRANSFORMER, AND METER SHALL BE PROVIDED BY UTILITY COMPANY. COORDINATE WITH UTILITY FOR TRANSFORMER SIZE(S) TO BE INSTALLED. METER BASE BY CONTRACTOR.

(2) COORDINATE EXACT CIRCUIT BREAKER SIZE WITH SPD MANUFACTURER REQUIREMENTS.

(3) INSTALL EXTERIOR WP PHOTOCELL ON ELECTRICAL PEDESTAL AND CONNECT IT TO THE LIGHTING CONTROL CONTACTORS. COORDINATE PHOTOCELL VOLTAGE WITH CONTACTORS.

(4) CONTRACTOR SHALL INSTALL JUNCTION BOX WITH REDUCING LUGS TO ENSURE CABLE SIZES CAN LAND ON CIRCUIT BREAKER LUGS IN PANELBOARD IF REQUIRED. SUBMIT TO ENGINEER FOR REVIEW.

(5) COORDINATE EXTENTS OF CONTRACTOR WORK WITH UTILITY.

(6) CONTRACTOR SHALL INSTALL NEW 2" PVC COATED GRSC FROM DISCONNECT TO 90° BEND AND COUPLING STUBBED UP AT RACK BY UTILITY.

(7) INSTALL TWO SPARE 30A-2 POLE LIGHTING CONTROL CONTACTORS AND SPDS FOR FUTURE USE.

(8) 2•12,1•12 EGC, 3/4"C

ONE-LINE GENERAL NOTES

1. ALL EQUIPMENT FURNISHED SHALL BE NEW EQUIPMENT. PREVIOUSLY USED EQUIPMENT SHALL NOT BE ALLOWED UNLESS OTHERWISE NOTED.
2. COORDINATE ELECTRICAL POWER SUPPLY WITH EQUIPMENT SUPPLIED.
3. COORDINATE ALL ELECTRICAL WORK AND POWER OUTAGES WITH OWNER AND POWER UTILITY.
4. SERVICE WIRING SHALL BE MINIMUM TYPE RHH/RHW-2/USE-2.
5. UNDERGROUND FEEDER AND BRANCH CIRCUIT WIRING SHALL BE MINIMUM TYPE THHN/THWN-2.
6. ABOVE GROUND FEEDER AND BRANCH CIRCUIT WIRING SHALL BE MINIMUM TYPE THHN/THWN-2.
7. ALL AIC RATINGS SHALL BE FULLY RATED UL INTEGRATED PANEL RATINGS. SERIES RATINGS ARE NOT ALLOWED.
8. NEUTRAL BUSES SHALL BE COPPER 100% RATED UNLESS OTHERWISE NOTED.
9. GROUND BUSES SHALL BE COPPER UNLESS OTHERWISE NOTED.
10. INSTALL AN EQUIPMENT GROUND GROUNDING CONDUCTOR IN ALL FEEDER AND BRANCH CIRCUITS.
11. INSTALL ALL CONDUCTORS AND CABLES IN CONDUIT UNLESS NOTED OTHERWISE.
12. INSTALL LUGS AND JUNCTION BOXES AS REQUIRED TO FIT WIRING. CONTRACTOR SHALL PROVIDE ADAPTER LUGS, IF REQUIRE TO LAND WIRING ON EQUIPMENT.
13. ALL EQUIPMENT BRANCH CIRCUIT WIRING SHALL BE ALUMINUM. SERVICE WIRING SHALL BE COPPER.
14. INSTALL NEW LAMINATED TYPED PANEL SCHEDULES IN ALL ELECTRICAL PANELS INDICATING WORK PERFORMED. PANEL SCHEDULES SHALL BE TYPED ON WATERPROOF MEDIA USING WATERPROOF INK.
15. INSTALL NEW PERMANENT LABELS ON PANELBOARDS INDICATING WORK PERFORMED.
16. TRACE AND IDENTIFY ALL EXISTING CIRCUITS AND CABLES TO REMAIN PRIOR TO ANY WORK.
17. THE POWER UTILITY POINT OF CONTACT FOR I35/WATERLOO-SPI IS CORKY TOMLIN, OG&E, PHONE NUMBER, 405-314-3441, EMAIL, TOMLINCM@OGE.COM.
18. CIRCUIT BREAKERS SHALL BE BOLT ON TYPE ONLY WITH COPPER COMPRESSION LUGS.
19. THE CONTRACTOR SHALL MAKE ELECTRICAL CONNECTIONS TO EVERYTHING FURNISHED OR INSTALLED BY THIS CONTRACT, WHETHER INDICATED OR NOT ON THE ELECTRICAL DRAWINGS.
20. PROVIDE HEAVY-DUTY TYPE, NON-FUSIBLE DISCONNECT SWITCHES (TYPICAL).
21. CONTRACTOR SHALL COMMISSION LIGHTING CONTROL PANEL. COMMISSIONING SHALL BE SUBSIDIARY TO SERVICE POLE INSTALLATION PAY ITEM. COMMISSIONING SHALL INCLUDE TESTING AND OPERATION OF LIGHTING EQUIPMENT BY PEC, FOR NOT LESS THAN A 72 HOUR CYCLE. REPEATED FAILURE DURING THIS CYCLE SHALL RESULT IN COMPLETE REJECTION OF THE SYSTEM AND REPLACEMENT AT CONTRACTOR'S EXPENSE. COMMISSIONING SHALL ALSO INCLUDE NOT LESS THAN 3 HOURS OF TRAINING FOR OTA AND ENGINEER'S STAFF ON THE OPERATION AND MAINTENANCE OF THE LIGHTING CONTROL PANEL.
22. LUGS SHALL BE COPPER AND COMPRESSION TYPE.
23. THE CONTRACTOR SHALL COORDINATE PANEL AIC RATING WITH UTILITY PROVIDED EQUIPMENT BEFORE SUBMITTAL.
24. ALL NEW EQUIPMENT SHOWN ON THIS SHEET SHALL BE PROVIDED BY THE CONTRACTOR UNLESS OTHERWISE NOTED.

GROUND RING NOTES

1. INSTALL A COMPLETE GROUNDING ELECTRODE SYSTEM THAT FULLY COMPLIES WITH NEC ARTICLE 250 - GROUNDING AND BONDING.
2. PROVIDE AN EXTERIOR GROUND RING THAT ENTIRELY ENCIRCLES THE NEW PEDESTAL AT A MINIMUM DEPTH OF 30". GROUND RING SHALL BE MADE UP OF •2 AWG SDBC.
3. CONNECT ELECTRICAL EQUIPMENT ENCLOSURES, SUPPORTS, AND TRANSFORMERS TO THE GROUNDING ELECTRODE SYSTEM USING EXOTHERMIC WELDS.
4. UTILIZE MINIMUM 4 3/4" X 10' COPPERCLAD GROUND RODS SPACED MINIMUM 6' APART.

ONE-LINE DIAGRAM SP1)
STATION 62+54.65 CL
WATERLOO, 124.66' LT

DESIGN	JKS	10/24
DRAWN	ZJD	10/24
CHECKED	WBG	10/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

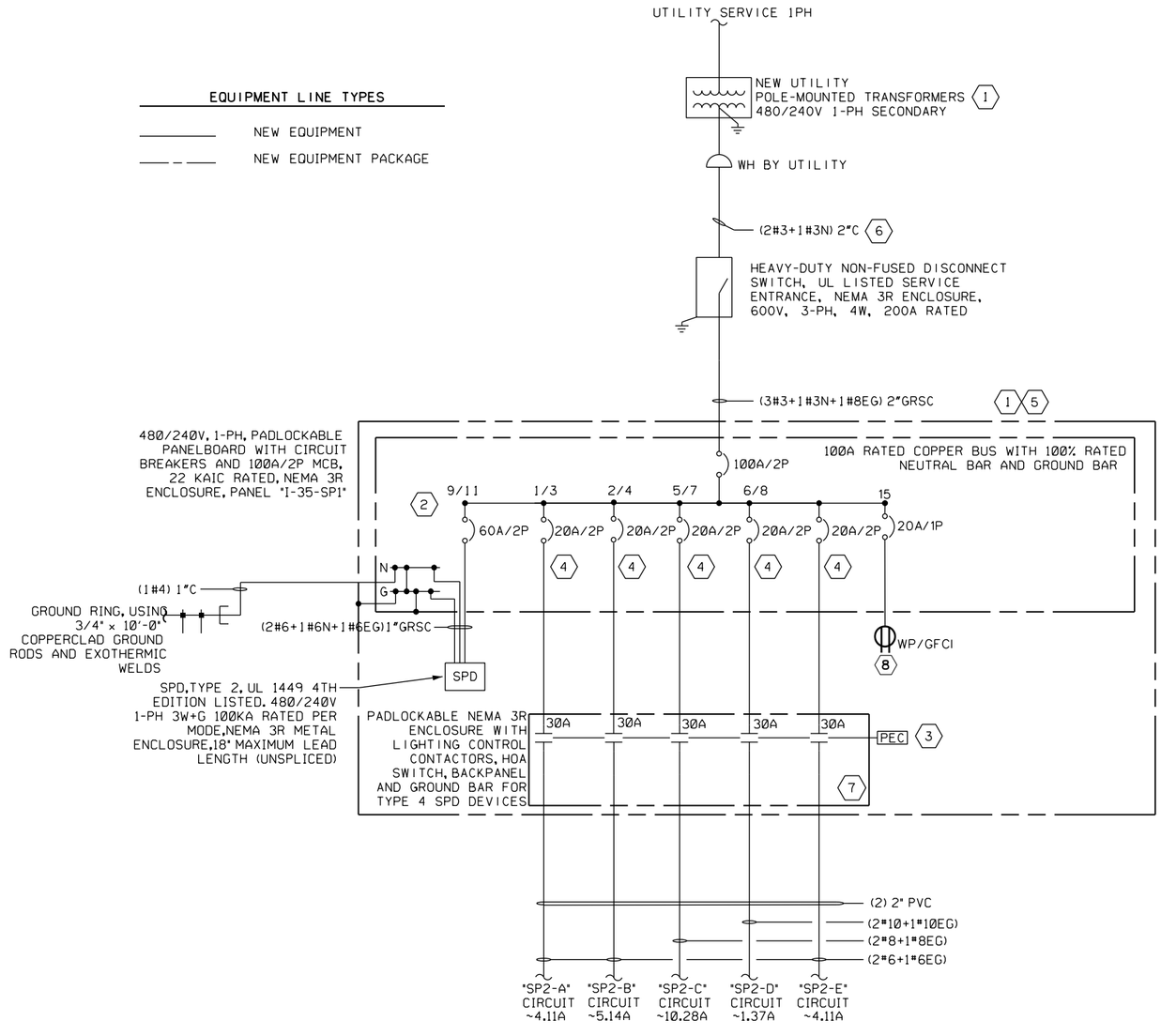
LIGHTING DETAILS (SHEET 2 OF 6)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T126

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025



ONE-LINE DIAGRAM SP2)
STATION 69+78.29 CL
WATERLOO, 220.00' LT

ONE-LINE DIAGRAM KEYED NOTES

1. NEW POLE, POLE-MOUNTED TRANSFORMER, AND METER SHALL BE PROVIDED BY UTILITY COMPANY. COORDINATE WITH UTILITY FOR TRANSFORMER SIZE(S) TO BE INSTALLED. METER BASE BY CONTRACTOR.
2. COORDINATE EXACT CIRCUIT BREAKER SIZE WITH SPD MANUFACTURER REQUIREMENTS.
3. INSTALL EXTERIOR WP PHOTOCELL ON ELECTRICAL PEDESTAL AND CONNECT IT TO THE LIGHTING CONTROL CONTACTORS. COORDINATE PHOTOCELL VOLTAGE WITH CONTACTORS.
4. CONTRACTOR SHALL INSTALL JUNCTION BOX WITH REDUCING LUGS TO ENSURE CABLE SIZES CAN LAND ON CIRCUIT BREAKER LUGS IN PANELBOARD IF REQUIRED. SUBMIT TO ENGINEER FOR REVIEW.
5. COORDINATE EXTENTS OF CONTRACTOR WORK WITH UTILITY.
6. CONTRACTOR SHALL INSTALL NEW 2" PVC COATED GRSC FROM DISCONNECT TO 90° BEND AND COUPLING STUBBED UP AT RACK BY UTILITY.
7. INSTALL TWO SPARE 30A-2 POLE LIGHTING CONTROL CONTACTORS AND SPDS FOR FUTURE USE.
8. 2#12, 1#12 EGC, 3/4"C

DESIGN	JKS	10/24
DRAWN	ZJD	10/24
CHECKED	WBG	10/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

LIGHTING DETAILS (SHEET 3 OF 6)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T127

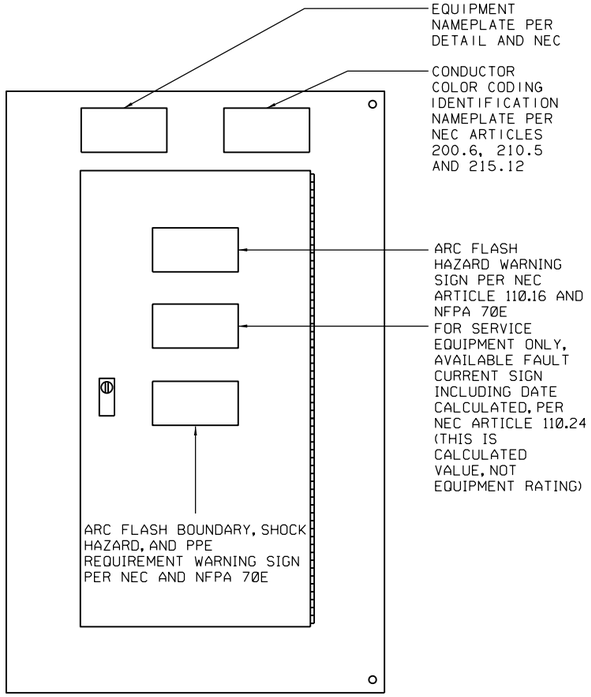
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GENERAL NOTES:

1. INSTALL ALL NAMEPLATES AND WARNING SIGNS IN ACCORDANCE WITH NEC AND NFPA 70E REQUIREMENTS.
2. INSTALL NAMEPLATES AND WARNING SIGNS ON ALL ELECTRICAL EQUIPMENT, INCLUDING BUT NOT LIMITED TO, SWITCHBOARDS, PANELBOARDS, TRANSFORMERS, SWITCHES, CONTROL PANELS AND MOTOR CONTROL CENTERS.
3. EXTERIOR EQUIPMENT SHALL HAVE WEATHER-RESISTANT, NON-FADING NAMEPLATES AND SIGNAGE.

EQUIPMENT NAMEPLATE NOTES

1. INSTALL 2-PLEX ACRYLIC, WHITE ON BLACK CORE, MULTIPLE LINES TEXT, CUSTOM ENGRAVED NAME PLATES.
2. MOUNT WITH STAINLESS STEEL SCREWS.
3. SEAL SCREW HOLES WITH SILICONE RUBBER.
4. NAMEPLATE INFORMATION SHALL INCLUDE:
   A. IDENTIFICATION NAME
   B. VOLTAGE SYSTEM
   C. AMPACITY RATING AND TYPE
   D. EQUIPMENT AIC RATING
   E. FEEDER DESCRIPTION



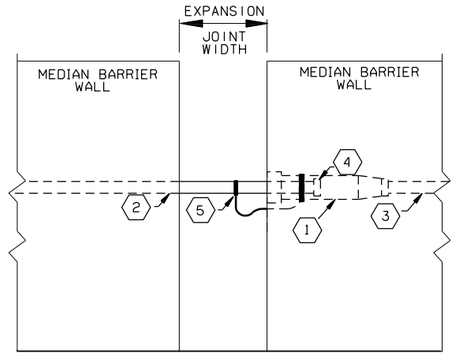
PANEL FRONT VIEW



GENERAL NOTES

1. POWER MARKING TAPES SHALL BE DETECTABLE TYPE CONSTRUCTION WITH RED BACKGROUND AND BLACK LETTERING.
2. TAPE SHALL BE DETECTABLE, DURABLE, HIGHLY VISIBLE, RESISTANT TO ELEMENTS, MEETING AND/OR EXCEEDING ALL INDUSTRY STANDARDS.

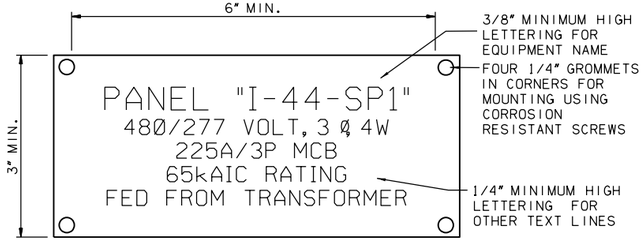
UNDERGROUND DETECTABLE WARNING TAPE



CONDUIT EXPANSION JOINT DETAIL

KEYED NOTES:

1. INSTALL NEW EXPANSION JOINT FITTING COUPLING FOR CONDUIT FLUSH WITH MEDIAN BARRIER WALL. PAINT COUPLING WITH PVC COATING FOR CORROSION PROTECTION PRIOR TO CONCRETE WORK. INSTALL AT ALL EXPANSION JOINTS.
2. INSTALL NEW CONDUIT RECESSED 2" IN EXPANSION COUPLING. EXPANSION COUPLING SHALL ALLOW FOR 4" OF CONDUIT MOVEMENT. PROVIDE O-Z/GEDNEY TYPE AX OR APPROVED EQUAL. PAINT ALL EXPOSED CONDUIT WITH PVC COATING AT EXPOSED AREAS AND 12" INTO PARAPET WALL FOR CORROSION PROTECTION PRIOR TO CONCRETE WORK.
3. INSTALL NEW CONDUIT AND SECURE TO EXPANSION COUPLING. PAINT WITH PVC COATING 12" INTO MEDIAN BARRIER WALL FOR CORROSION PROTECTION PRIOR TO CONCRETE WORK.
4. INSTALL NEW BUSHING INSULATOR (TYPICAL).
5. INSTALL NEW GROUNDING AND BONDING JUMPERS WITH SLACK ON EACH EXPANSION JOINT FITTING. PAINT WITH PVC COATING.



TYPICAL ENGRAVED NAMEPLATE AND SIGNAGE DETAIL

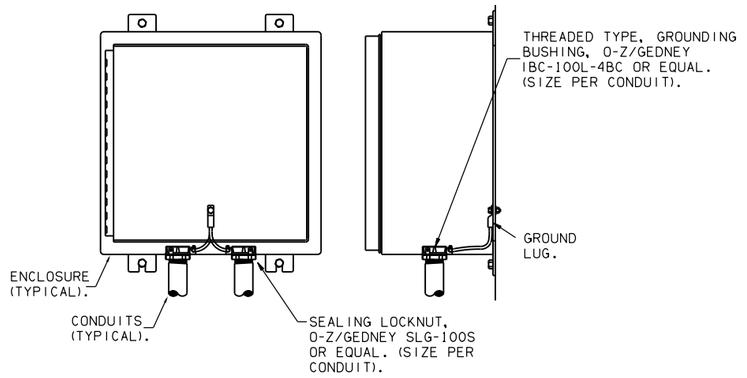
DESIGN	JKS	10/24
DRAWN	ZJD	10/24
CHECKED	WBG	10/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

LIGHTING DETAILS (SHEET 4 OF 6)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T128

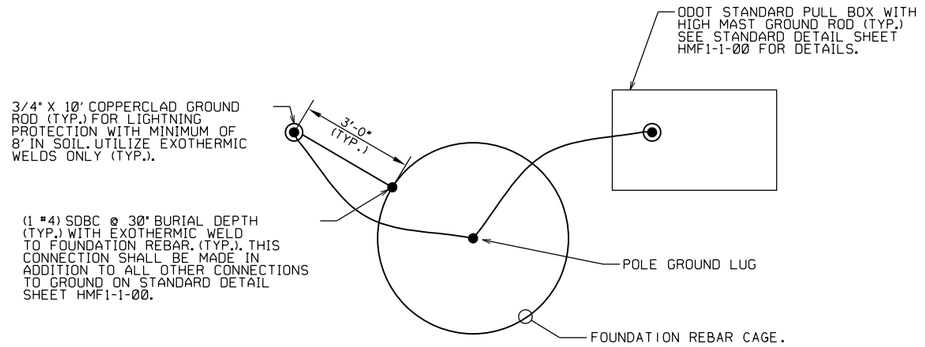
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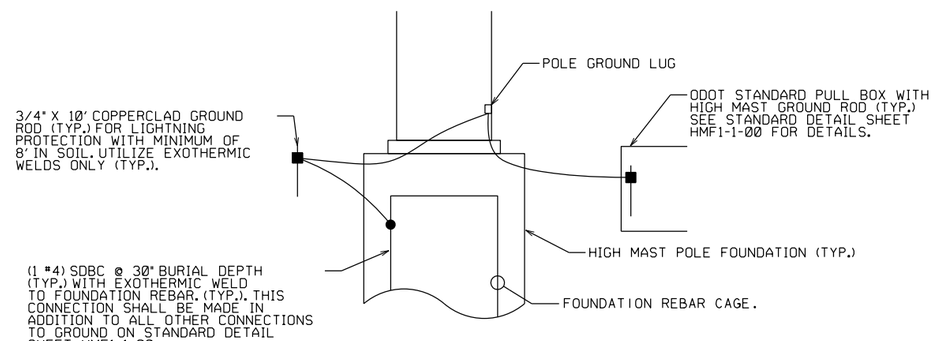
NOTES

1. ALL SERVICE, FEEDER, AND BRANCH CIRCUIT CONDUITS SHALL BE GROUNDED ON BOTH ENDS.

CONDUIT GROUNDING DETAIL



HIGH MAST GROUNDING (PLAN VIEW)



HIGH MAST GROUNDING (ELEVATION VIEW)

MATERIAL SPECIFICATIONS:

A. ANCHOR BOLTS - 4 REQUIRED AND SHALL BE HOT BEND AND MEET THE STRENGTH REQUIREMENTS OF ASTM A36-M55 AND HAVE A MINIMUM YIELD OF 50,000 PSI. HEX NUTS - 4 REQUIRED AND SHALL MEET THE REQUIREMENTS OF ASTM-563 GRADE A, OR ANSI B18.2.2 HEX TYPE. FLAT WASHERS - 4 REQUIRED AND SHALL MEET THE REQUIREMENTS OF ANSI B27.2 HEAVY WASHERS. LOCK WASHERS - 4 REQUIRED AND SHALL MEET THE REQUIREMENTS OF ANSI B18.21 HEAVY WASHERS.

B. ALL BOLTS, NUTS, AND WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A-153 (AASHTO M-232).

C. ALL CONCRETE SHALL BE CLASS "AA", UNLESS OTHERWISE SPECIFIED IN THE PLANS.

D. REINFORCING STEEL SHALL BE AASHTO M-31, GRADE 60.

E. ANCHOR BOLT TEMPLATE PLATES SHALL BE AASHTO M-183 (ASTM A-36), MINIMUM PLATE THICKNESS OF 0.0598" (16 GAUGE).

F. ELECTRICAL CONDUIT OR SLEEVES SHALL BE IN ACCORDANCE WITH THE 2009 STANDARD SPECIFICATIONS AND MAY BE EITHER RIGID GALV. STEEL OR SCH. 80 PLASTIC.

G. HIGH MAST POLES SHALL BE IN COMPLIANCE WITH NFPA 780 LIGHTNING PROTECTION REQUIREMENTS.

GENERAL NOTES:

1. A TEMPLATE SHALL BE PROVIDED TO FIX THE LOCATION OF THE ANCHOR BOLTS AND CONDUITS THAT PROJECT OUT OF THE CONCRETE FOOTING.
2. SOME FOOTINGS MAY REQUIRE MORE THAN THE 2 CONDUITS SPECIFIED, SEE THE PLANS FOR LOCATIONS.
3. FOR INFORMATION ON INSTALLATION OF UNDERGROUND/TRENCHED CONDUIT, SEE STD. CCDI-I-00.
4. CONSTRUCT CONDUITS IN THE CENTER OF THE ANCHOR BOLT CIRCLE.
5. NO LIGHT POLE FOOTING SHALL BE PLACED WITHIN 12' OF THE END OF A BARRIER.
6. NO LIGHT POLE FOOTING SHALL BE PLACED WITHIN 6' OF A GRATED INLET.
7. IF THE CONTRACTOR ELECTS TO USE DOUBLE NUT LEVELING, THE ANCHOR BOLT PROJECTION SHALL BE INCREASED, 4 ADDITIONAL HEX NUTS AND FLAT WASHERS WILL BE REQUIRED, AND THE VOID BELOW THE INSTALLED BASE PLATE SHALL BE FILLED WITH A NON-SHRINK GROUT.
8. THE CONTRACTOR SHALL PROTECT THE ANCHOR BOLT THREADS FROM ACCUMULATIONS OF CONCRETE AND SHALL PREVENT THE ENTRY OF CONCRETE INTO THE CONDUIT SYSTEM.
9. SEE PLANS FOR FOOTING LOCATIONS.
10. THE CONTRACTOR SHALL USE THE BUBBLE LEVELING METHOD TO ENSURE THAT THE TOP OF THE LIGHT POLE FOOTINGS ARE LEVEL WHEN BEING CONSTRUCTED. THIS IS TO AVOID THE USE OF SHIMS WHEN INSTALLING THE LIGHT POLES ON THE FOOTINGS.

GROUNDING NOTES

1. GROUNDING CONDUCTORS SHALL BE EXOTHERMICALLY WELDED TO THE GROUND ROD IN EACH PULLBOX.
2. GROUNDING CONDUCTORS SHALL BE BONDED TO THE GROUNDING SYSTEM OF EACH POLE AND TO THE INTERIOR OF EACH POLE AT 6' INTERVALS.
3. GROUNDING TO COMPLY WITH NEC ARTICLE 250.
4. NO. 10 AWG CONDUCTORS SHALL BE INSTALLED FROM MEDIAN BARRIER PULL BOX GROUND BAR TO LIGHT POLE AND FIXTURE.

DESIGN	JKS	10/24	OKLAHOMA DEPARTMENT OF TRANSPORTATION
DRAWN	ZJD	10/24	
CHECKED	WBG	10/24	LIGHTING DETAILS (SHEET 5 OF 6)
APPROVED			
SQUAD	GARVER		

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T129

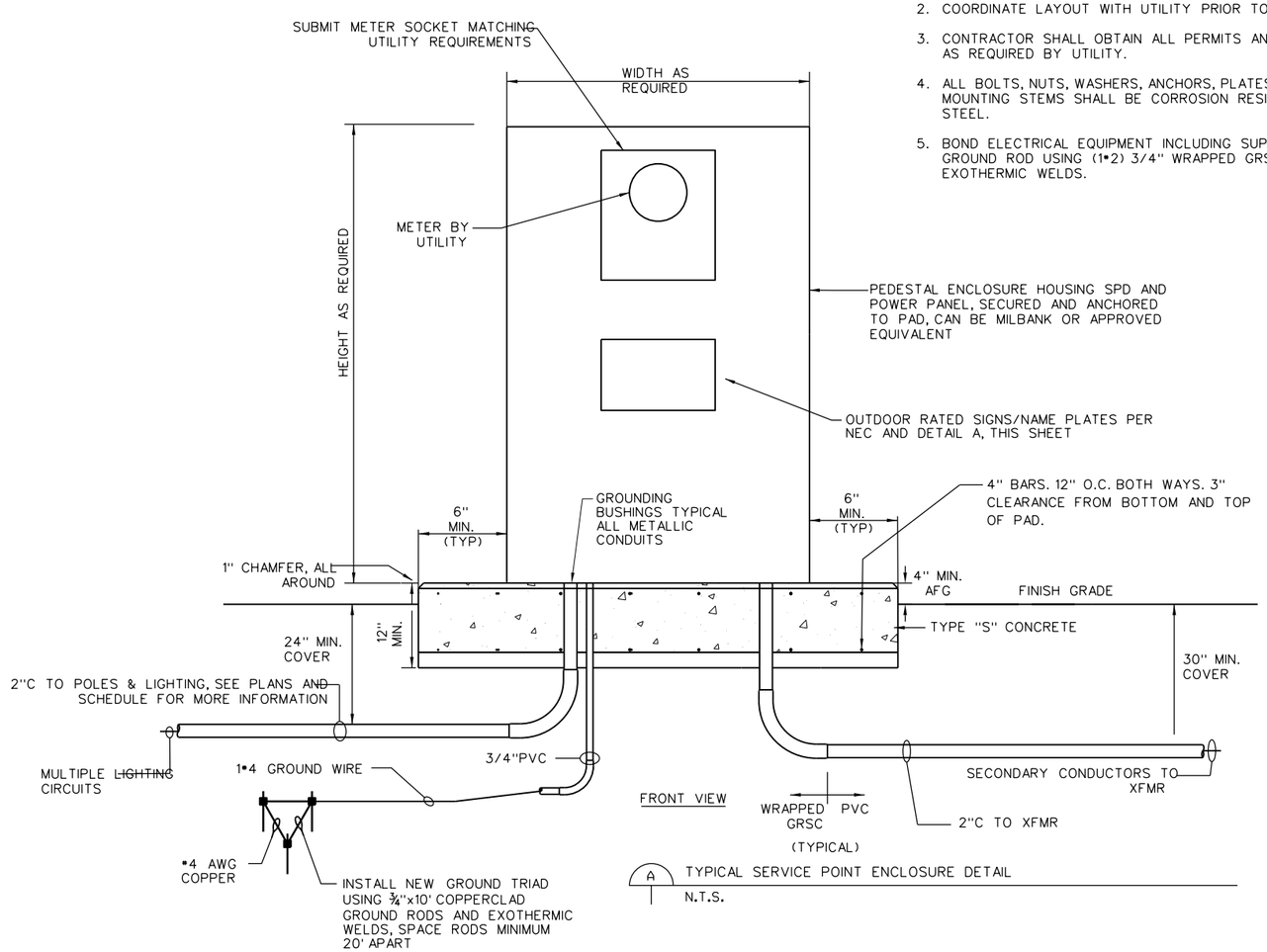
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OKLAHOMA DEPARTMENT OF TRANSPORTATION

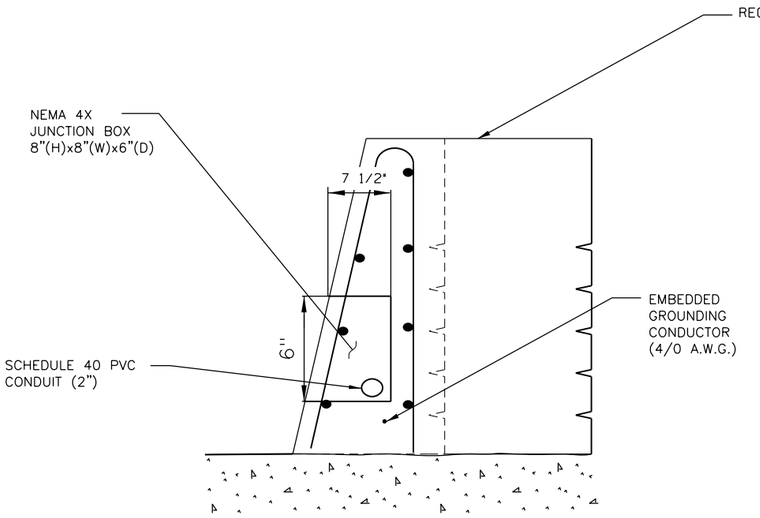
FINAL FIELD MEETING
3/28/2025

SERVICE POINT ENCLOSURE GENERAL NOTES:

1. CONDUIT AND CONDUCTOR INSTALLATION ON TRANSFORMER SIDE OF METER SHALL CONFORM WITH ELECTRICAL UTILITY STANDARDS.
2. COORDINATE LAYOUT WITH UTILITY PRIOR TO CONSTRUCTION.
3. CONTRACTOR SHALL OBTAIN ALL PERMITS AND PAY ALL FEES AS REQUIRED BY UTILITY.
4. ALL BOLTS, NUTS, WASHERS, ANCHORS, PLATES, AND OTHER MOUNTING STEMS SHALL BE CORROSION RESISTANT, STAINLESS STEEL.
5. BOND ELECTRICAL EQUIPMENT INCLUDING SUPPORT FRAME TO GROUND ROD USING (1•2) 3/4" WRAPPED GRS CONDUIT AND EXOTHERMIC WELDS.



A TYPICAL SERVICE POINT ENCLOSURE DETAIL
N.T.S.



B BARRIER MOUNTED JUNCTION BOX
N.T.S.

DESIGN	JKS	10/24
DRAWN	ZJD	10/24
CHECKED	WBG	10/24
APPROVED		
SQUAD	GARVER	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

LIGHTING DETAILS (SHEET 6 OF 6)

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. T130

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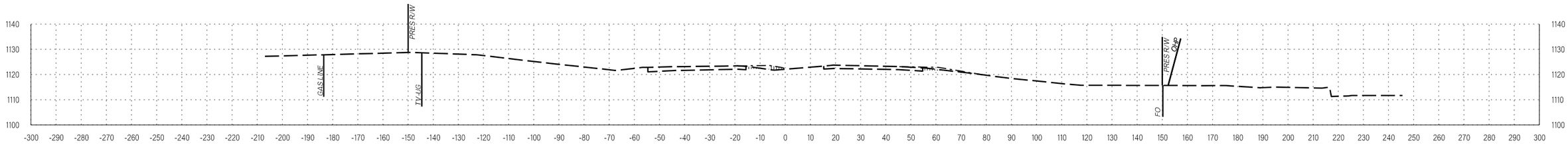
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

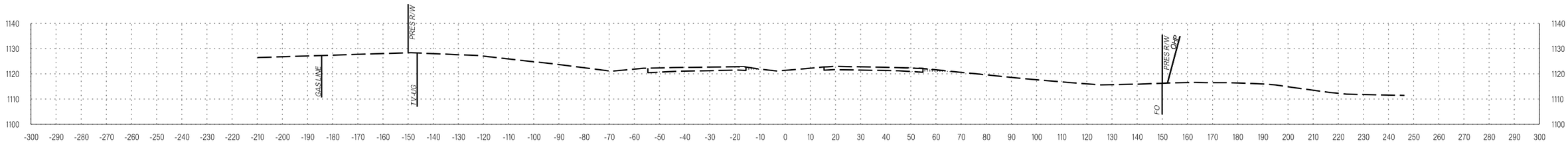
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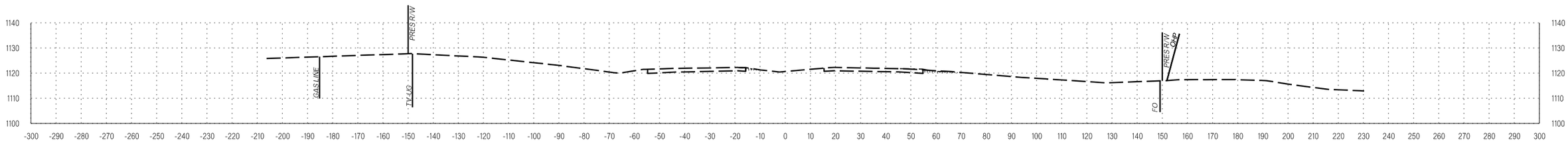
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TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
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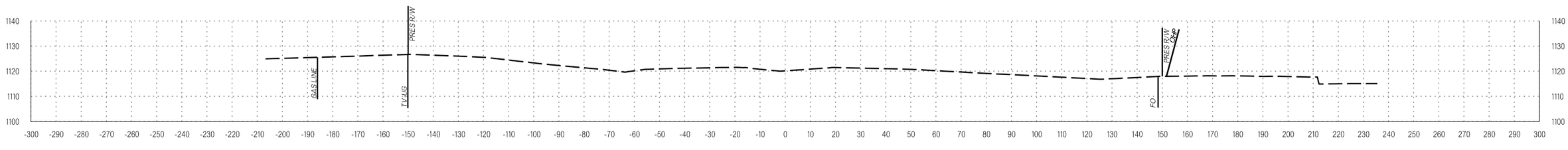
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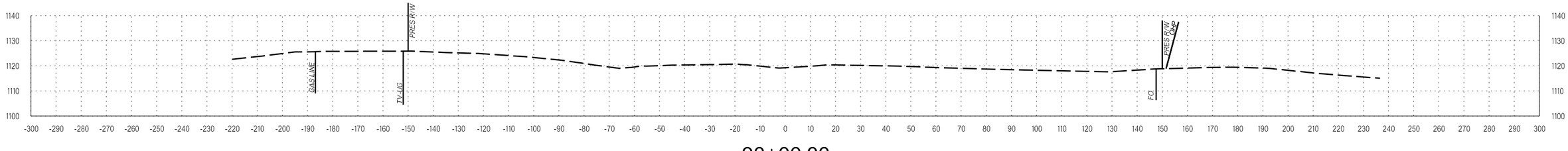
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92+00.00



91+00.00 : BEGIN INCIDENTAL



90+00.00

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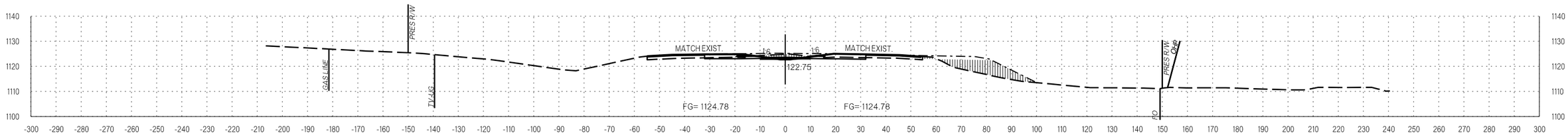
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FINAL FIELD MEETING

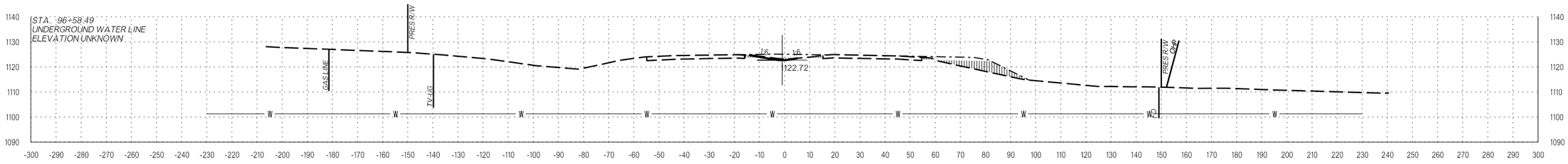
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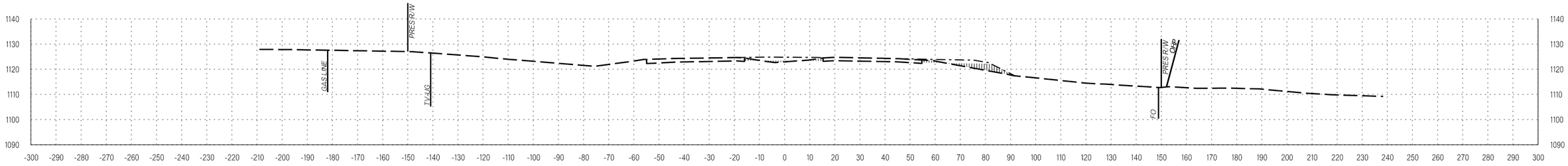
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EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



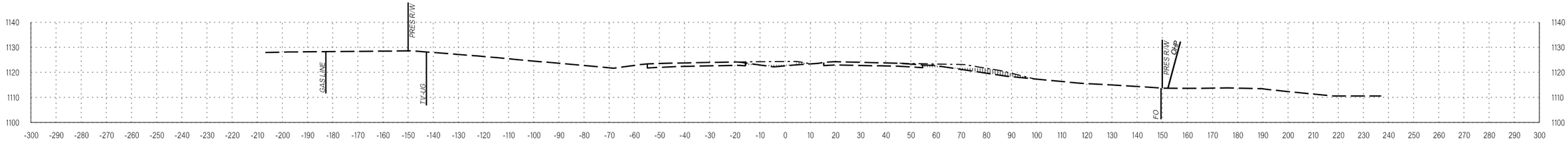
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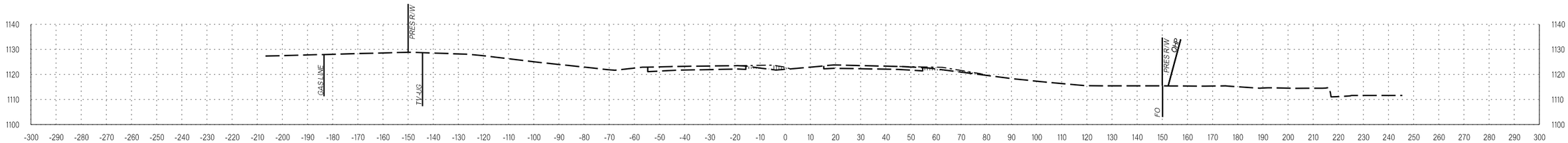
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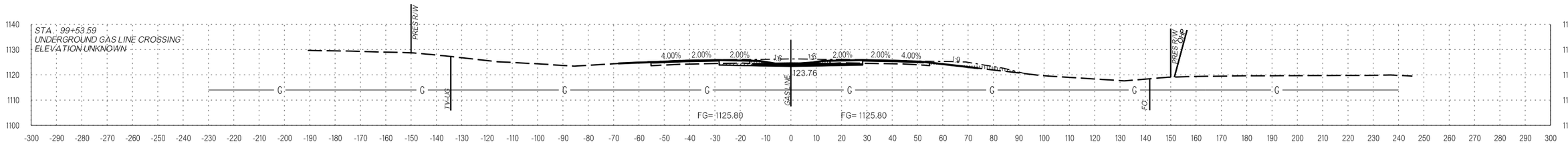
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

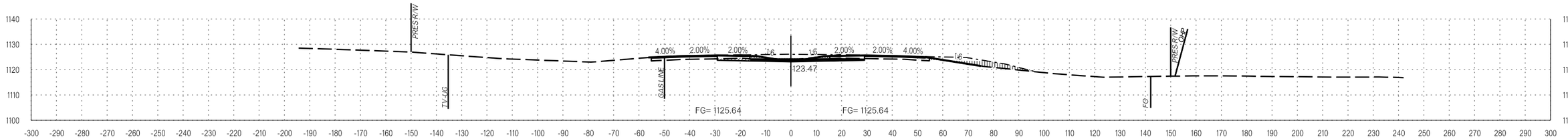
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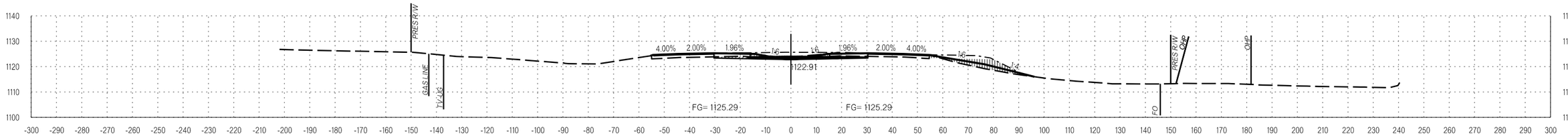
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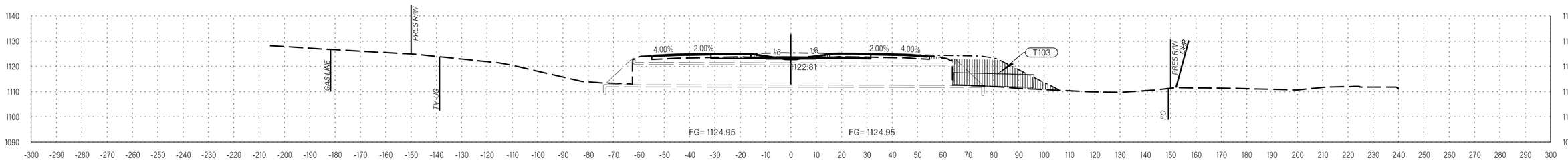
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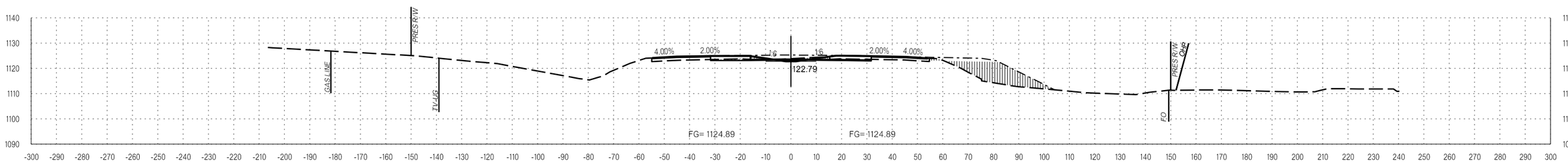
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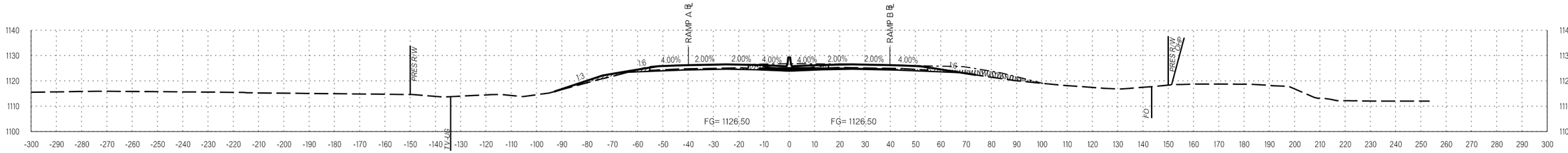
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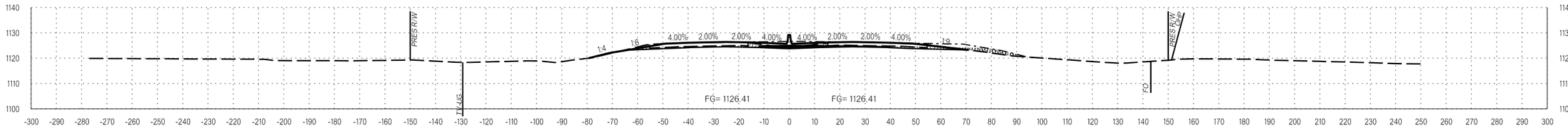
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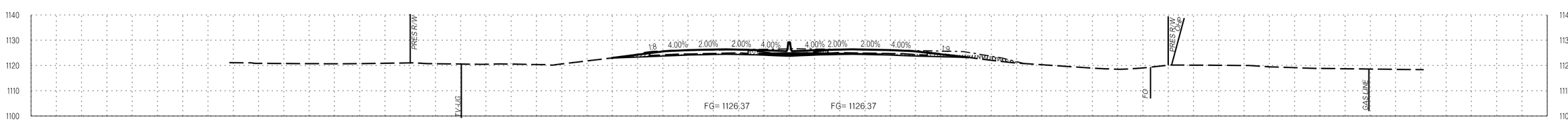
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EXISTING GROUND	PHASE 2B	PHASE 6
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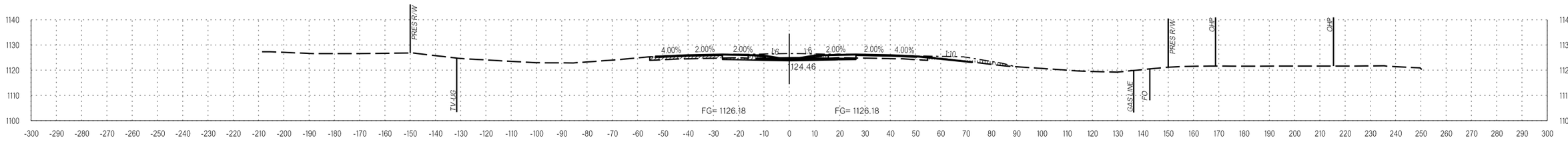
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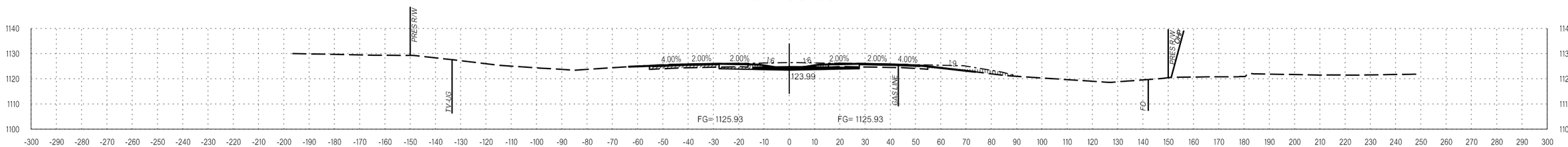
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I-35

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO X004

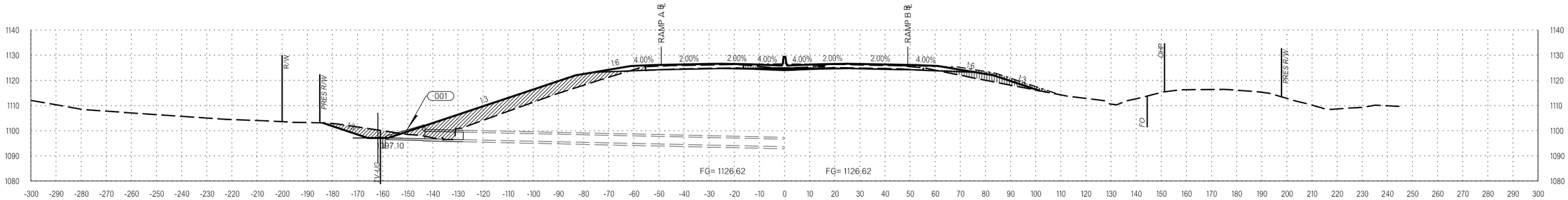
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

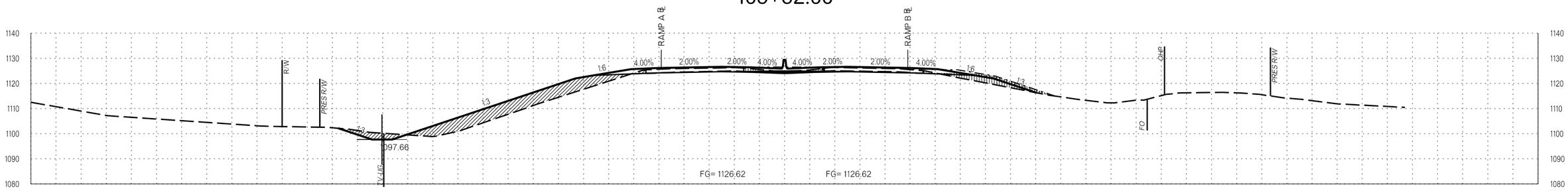
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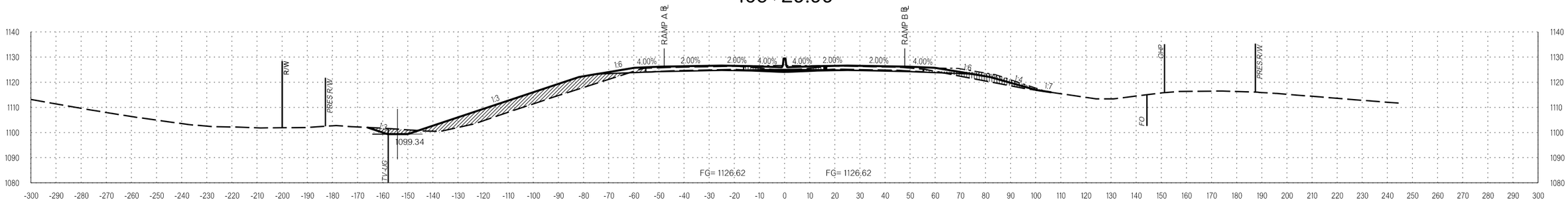
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EXISTING GROUND	PHASE 2B	PHASE 6
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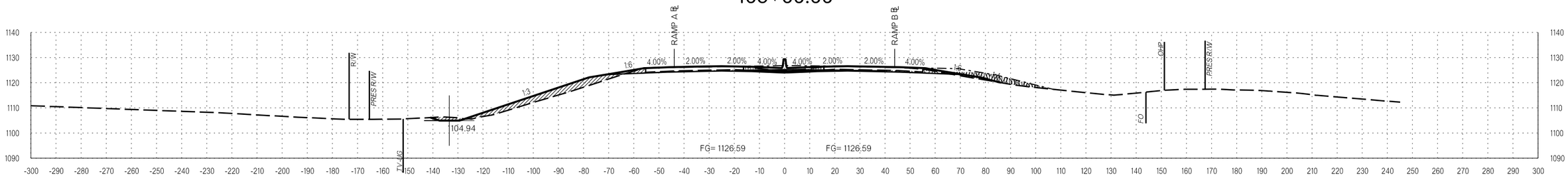
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I-35

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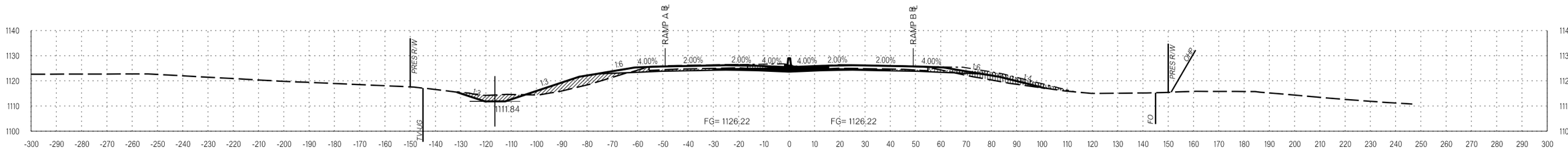
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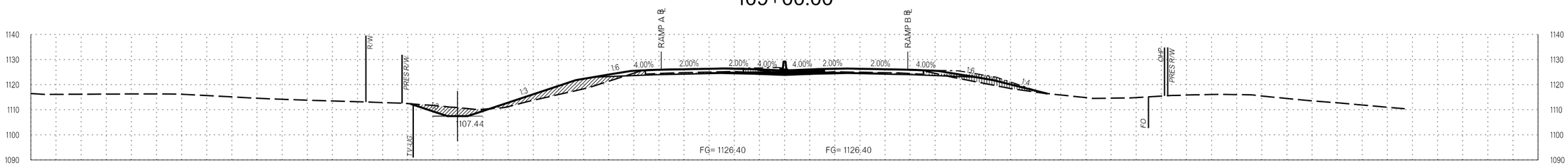
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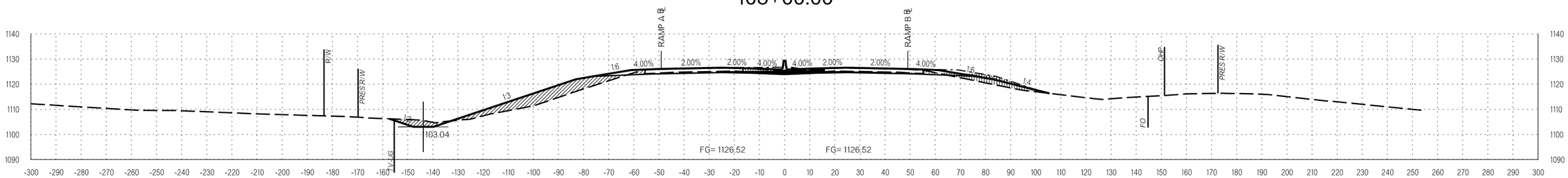
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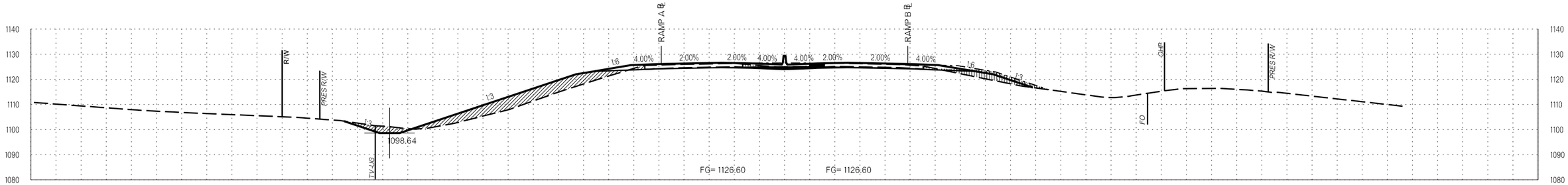
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I-35

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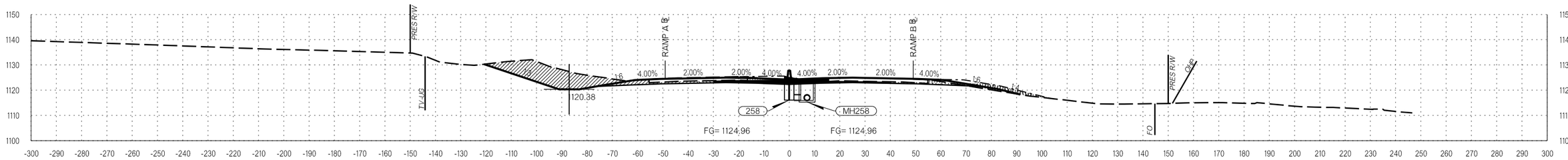
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

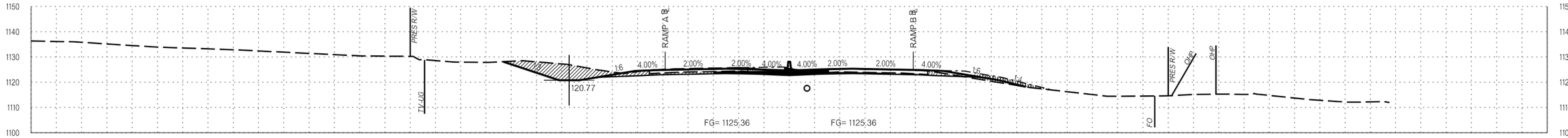
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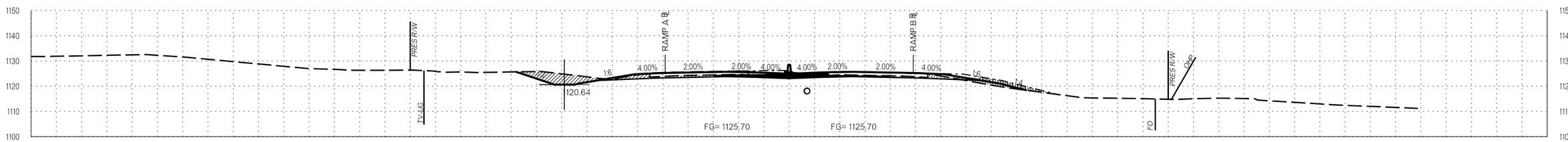
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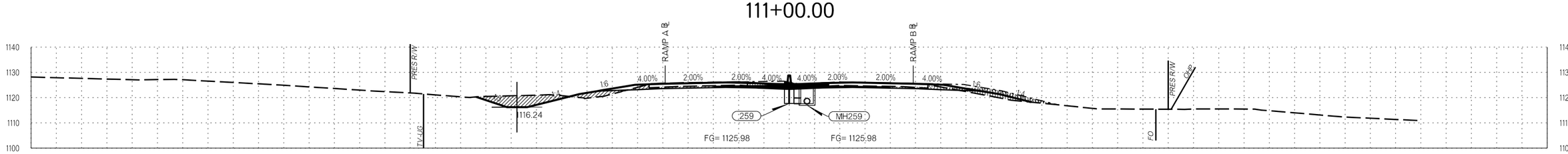
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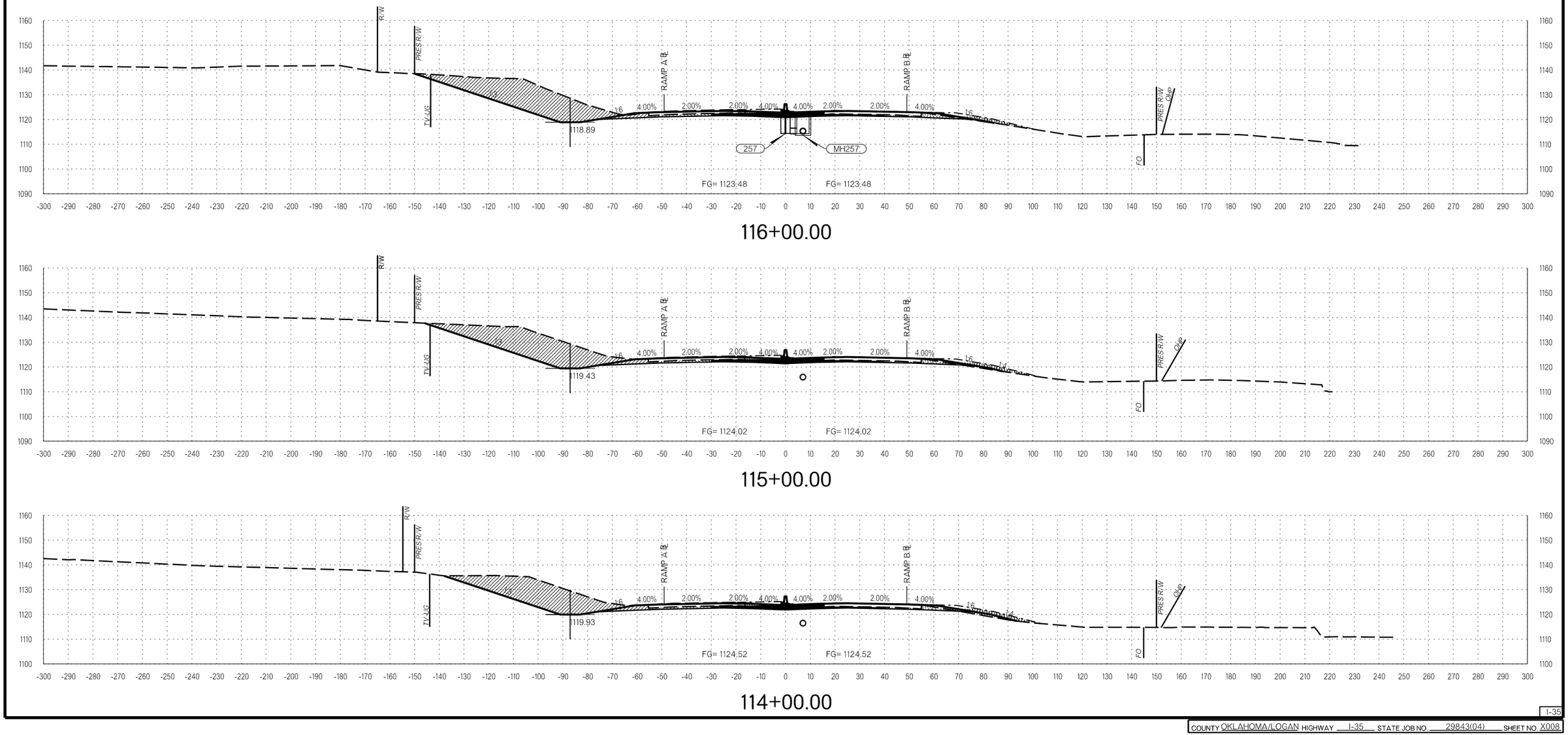
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

LEGEND

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TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



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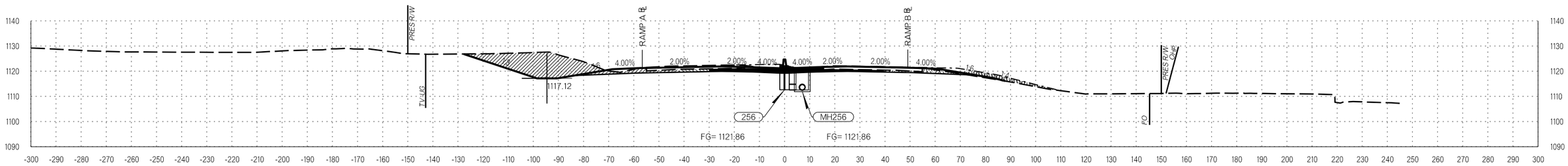
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

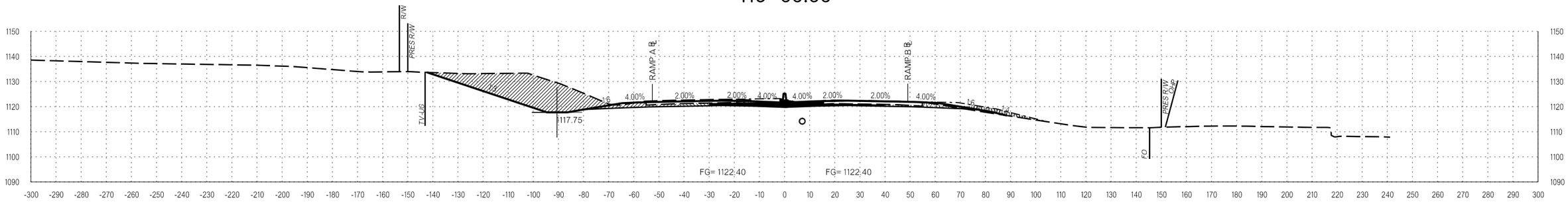
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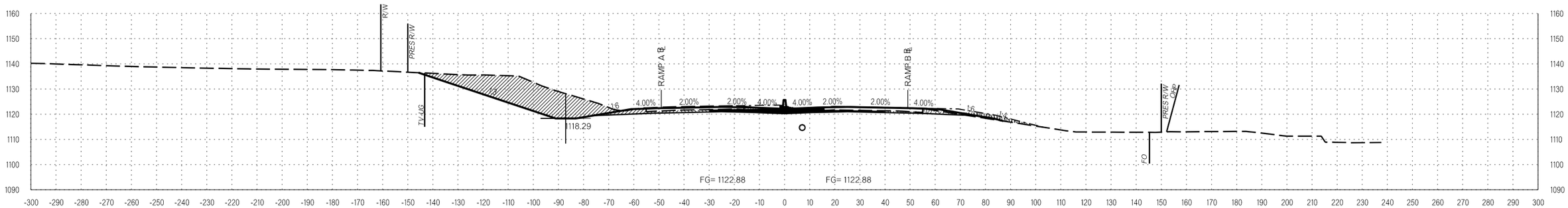
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TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



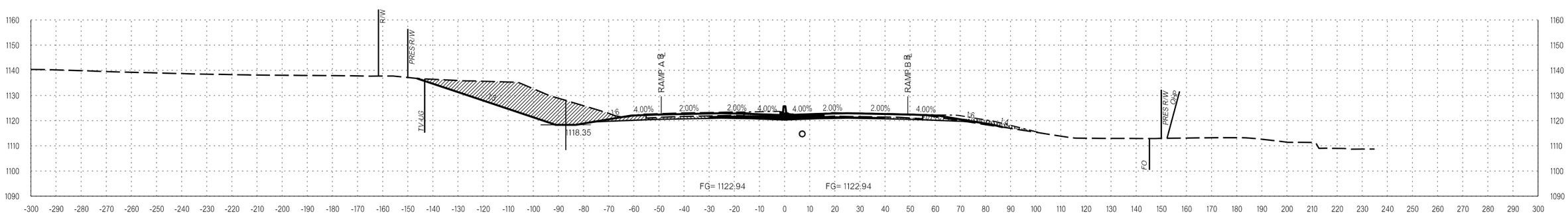
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118+00.00



117+11.78



117+00.00

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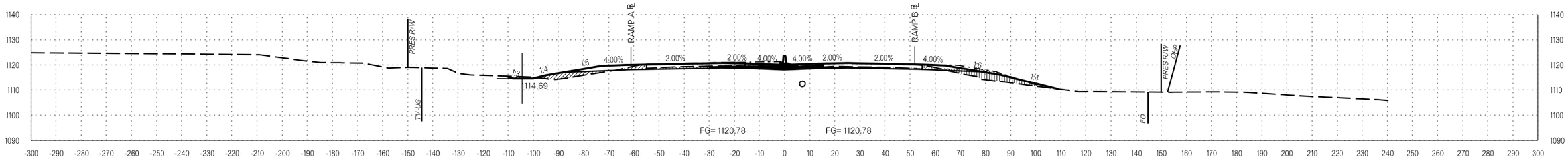
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

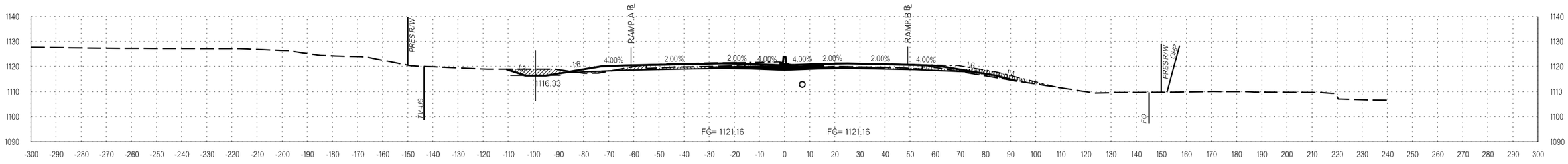
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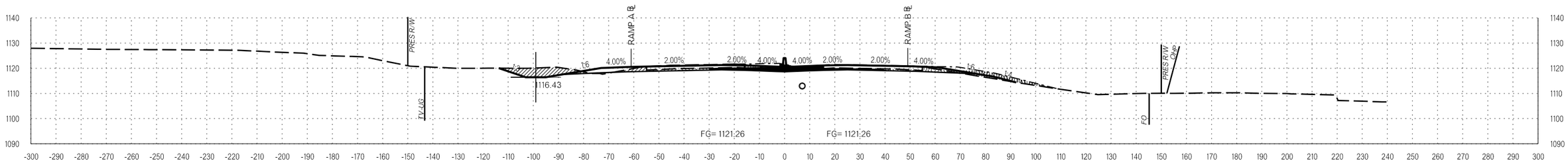
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



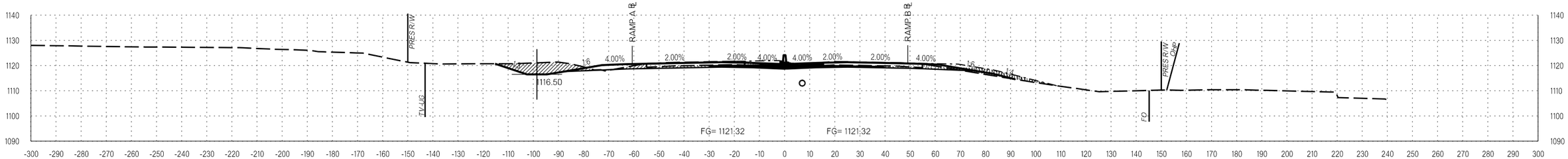
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120+29.99



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120+00.00

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I-35

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X010

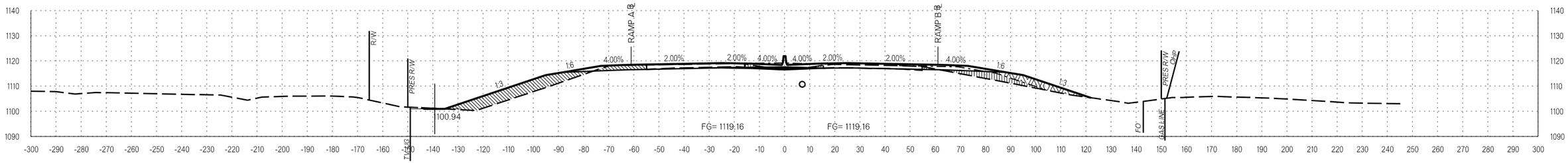
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

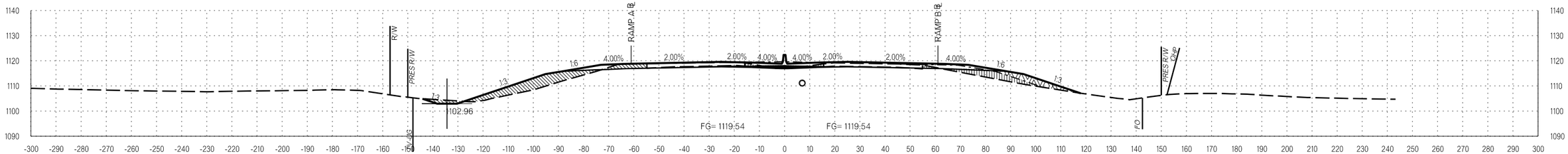
3/28/2025

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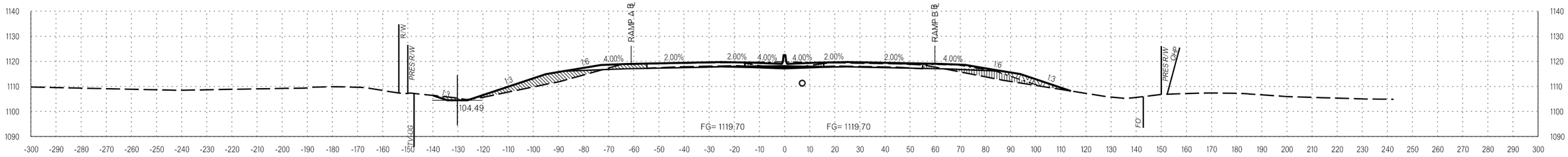
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



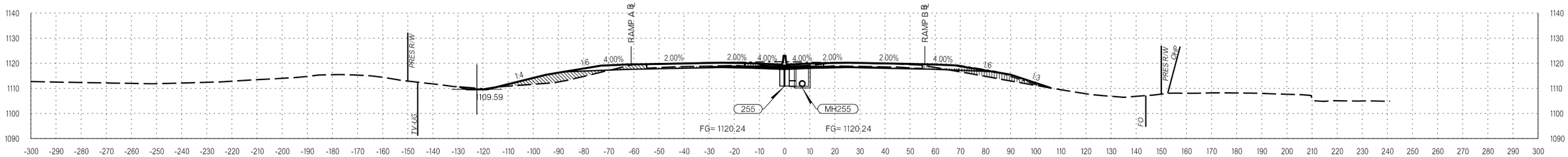
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123+29.99



123+00.00



122+00.00

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I-35

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X011

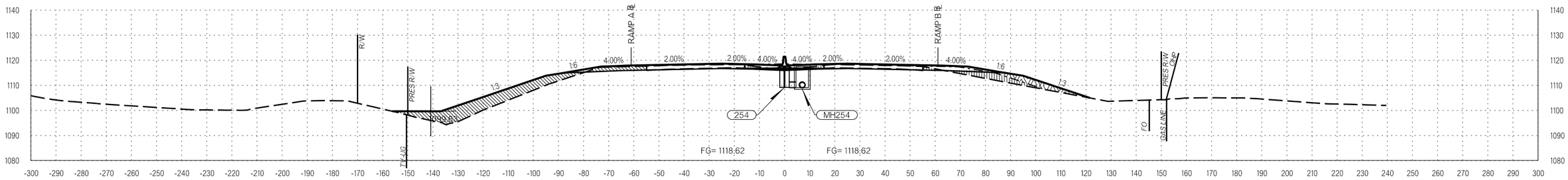
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

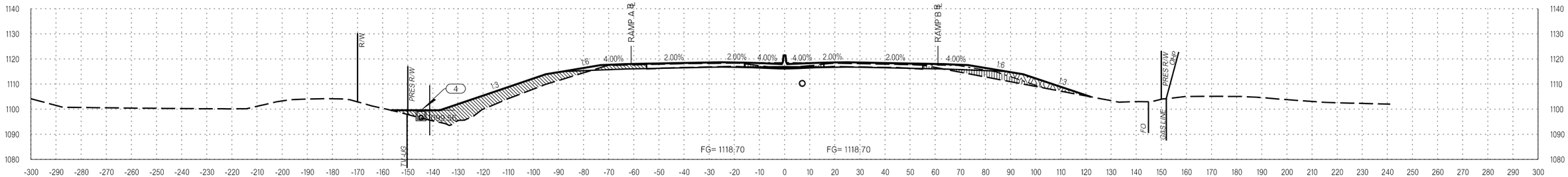
3/28/2025

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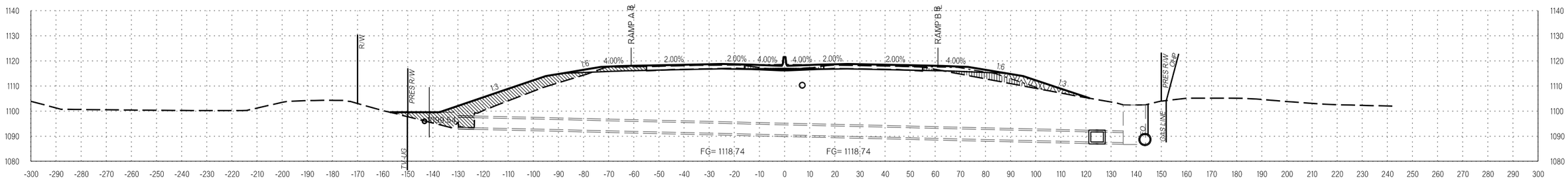
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



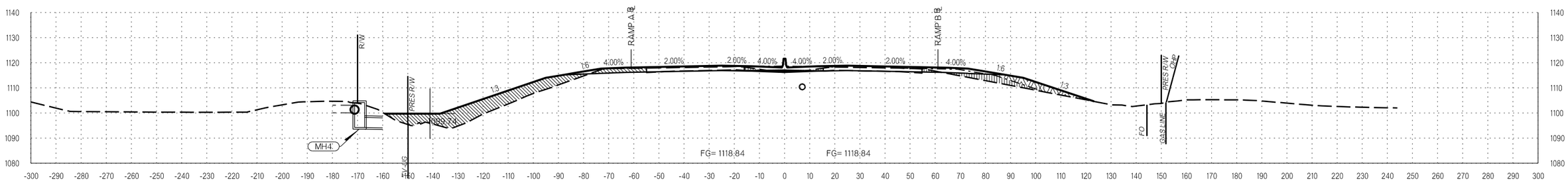
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124+85.89



124+78.00



124+60.00

I-35

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X012

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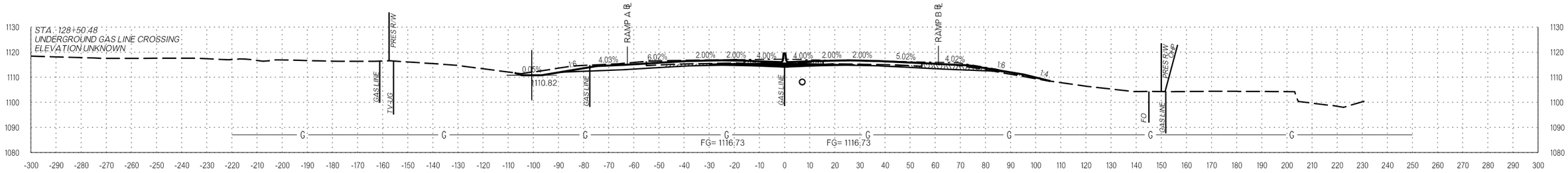
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

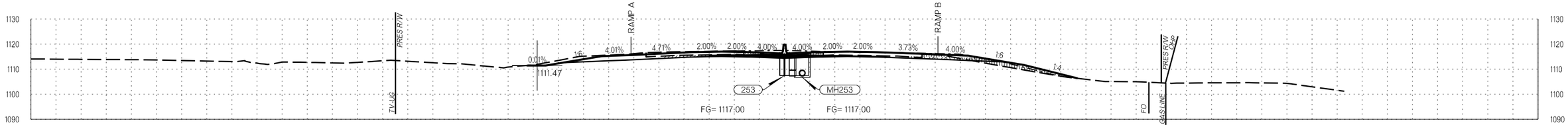
3/28/2025

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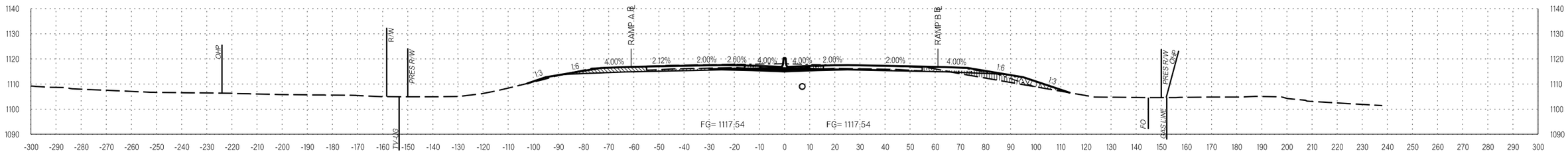
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



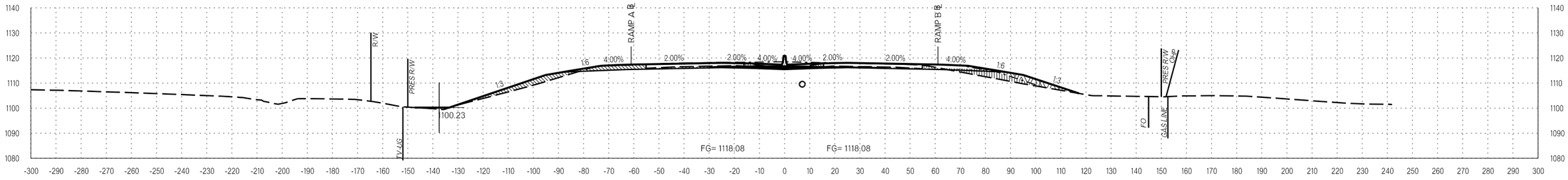
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128+00.00



127+00.00



126+00.00

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COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X013

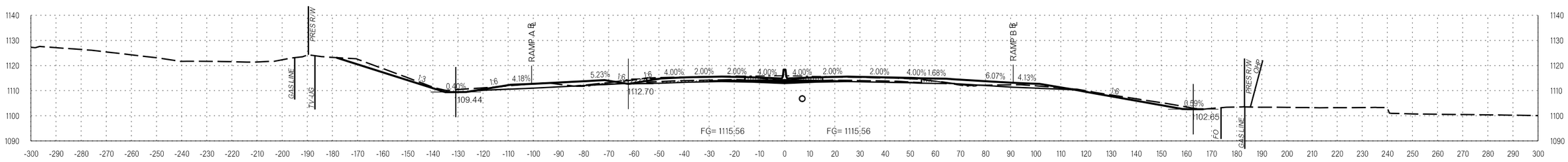
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

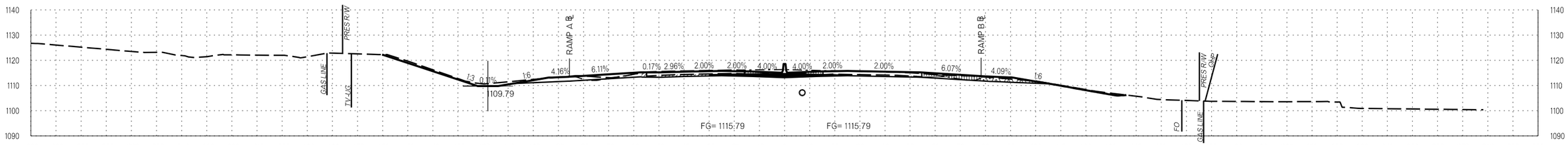
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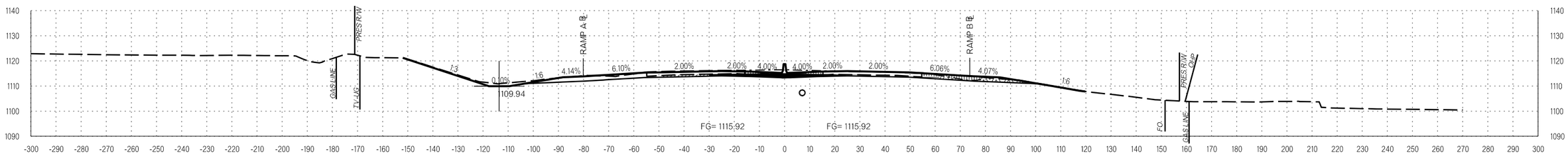
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



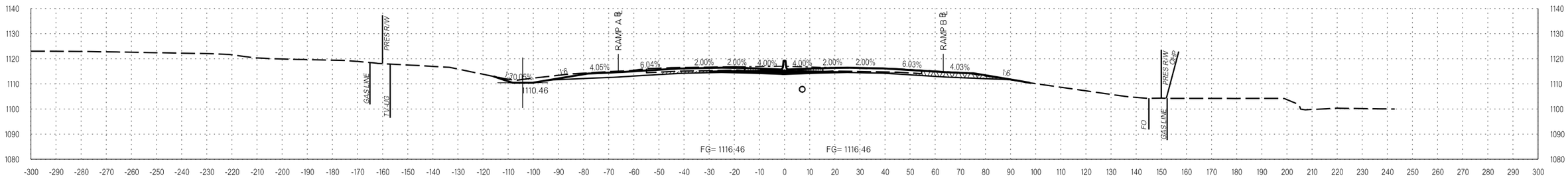
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130+27.77



130+00.00



129+00.00

I-35

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X014

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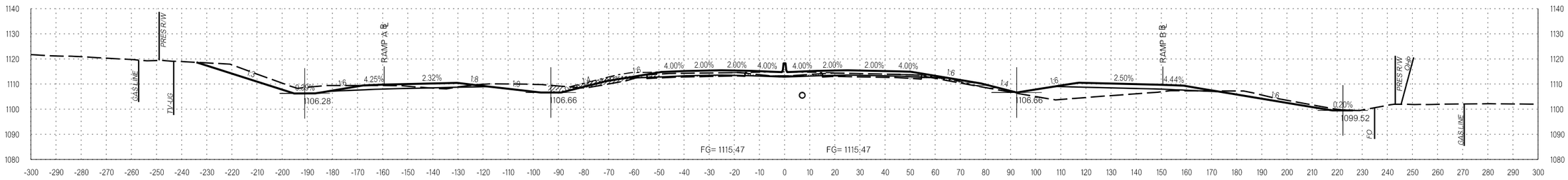
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

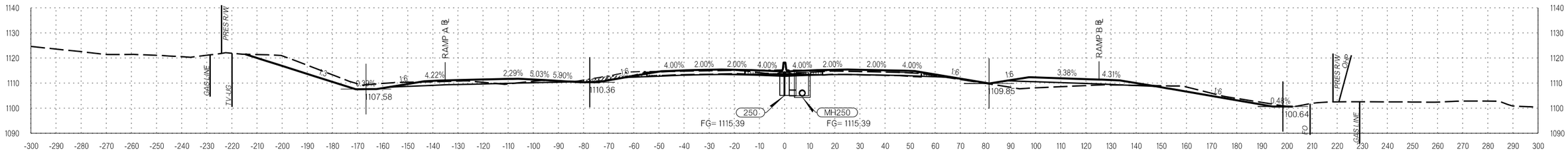
3/28/2025

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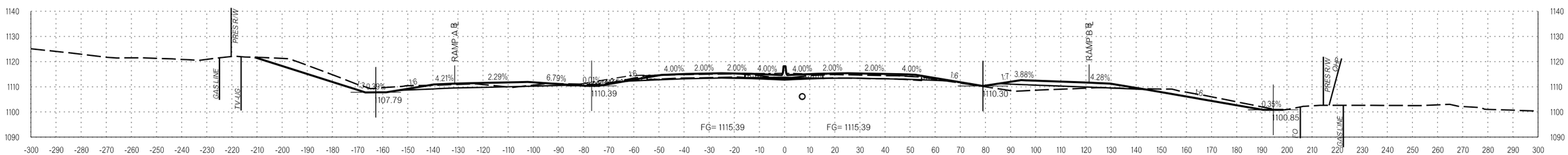
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



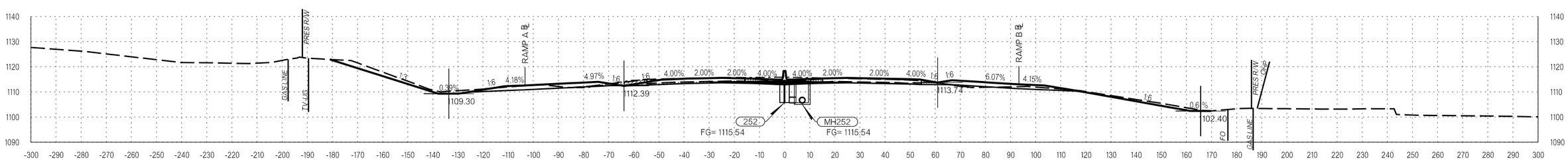
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132+13.46



132+00.00



131+00.00

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I-35

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X015

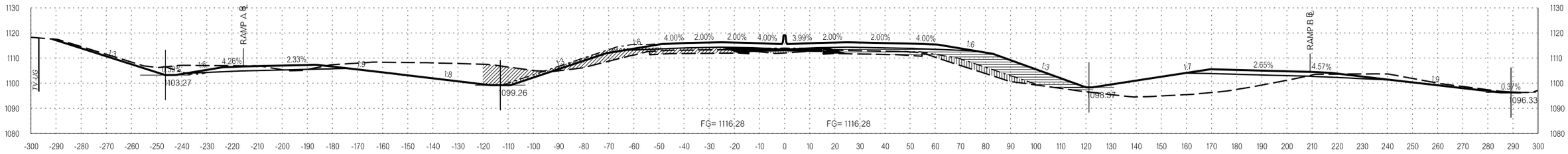
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

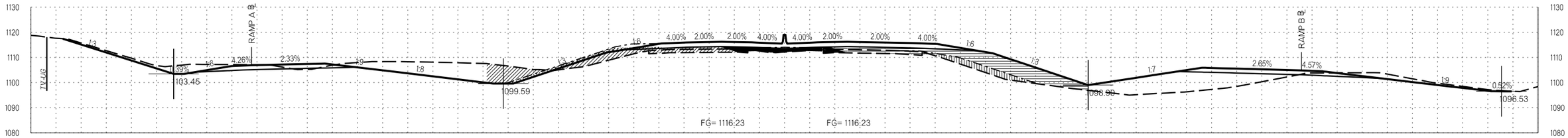
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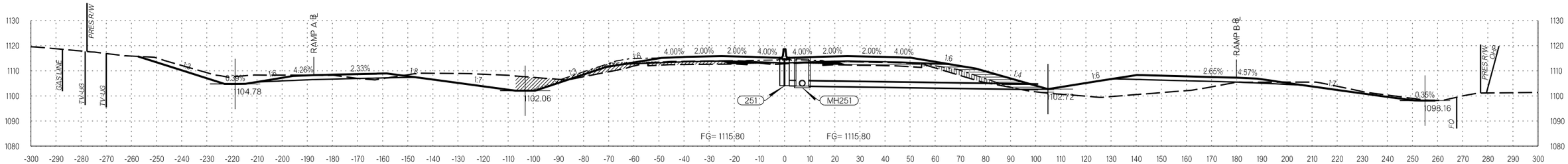
PROPOSED
TEMPORARY
EXISTING GROUND
PHASE 1
PHASE 2A
PHASE 2B
PHASE 3
PHASE 4A
PHASE 5
PHASE 6
PHASE 7



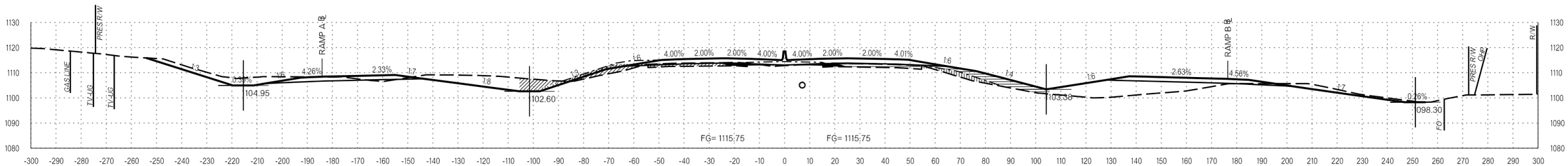
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134+88.25



134+00.00



133+88.25

I-35

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X016

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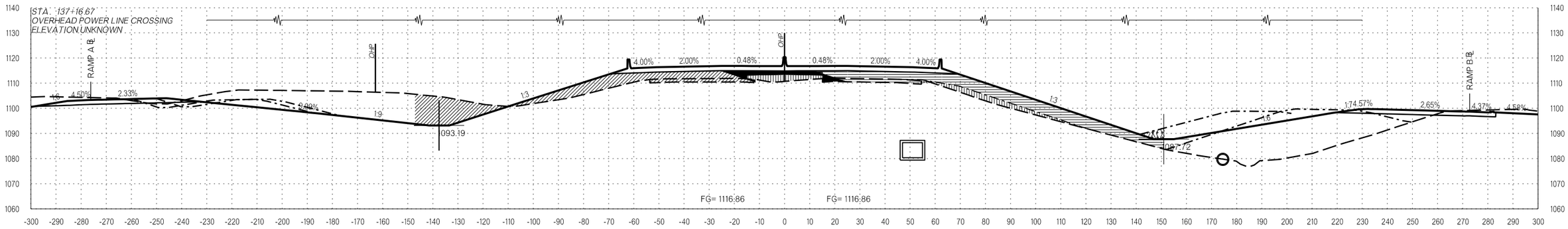
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

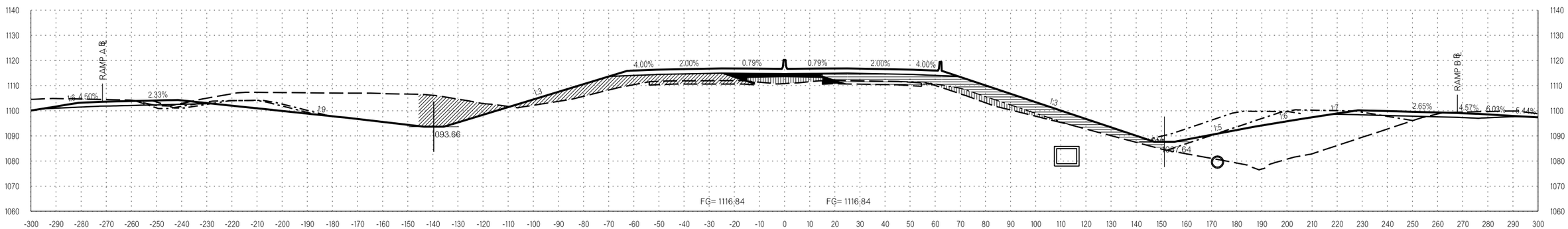
3/28/2025

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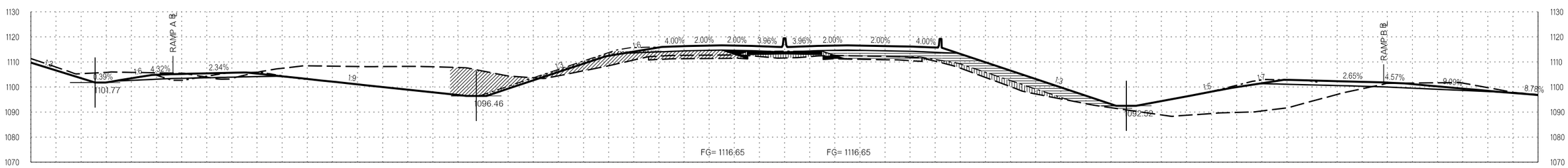
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



137+16.67



137+00.00



136+00.00

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X017

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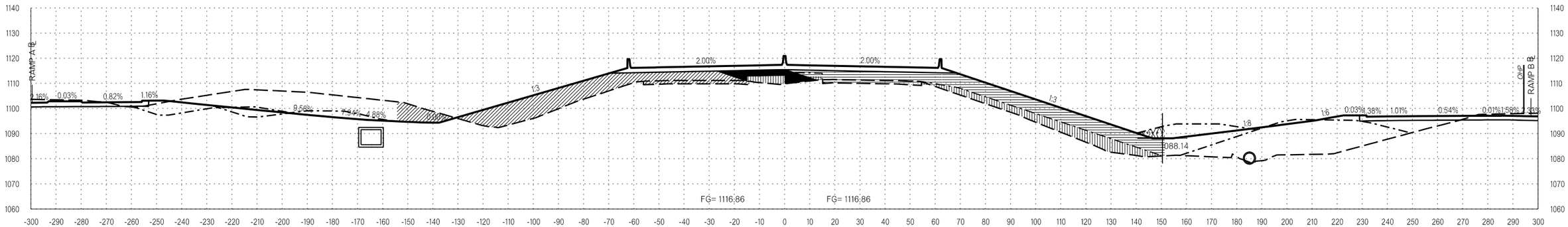
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

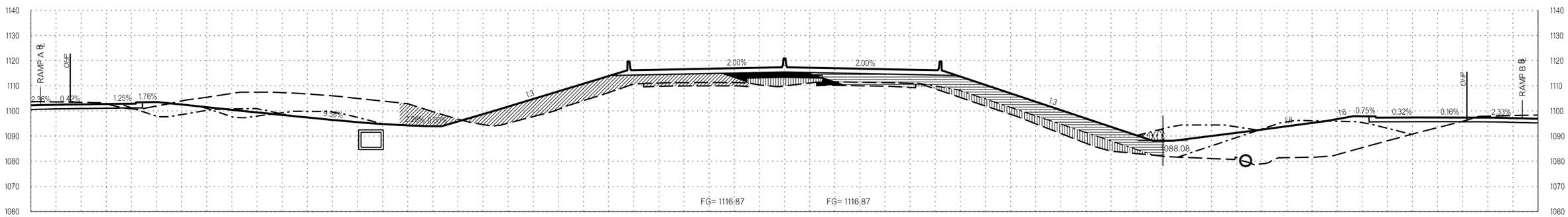
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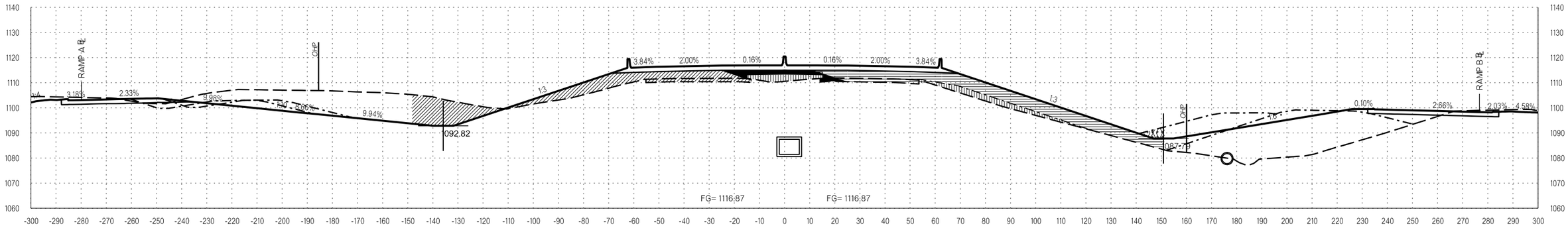
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



138+00.00



137+88.17



137+30.00

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X018

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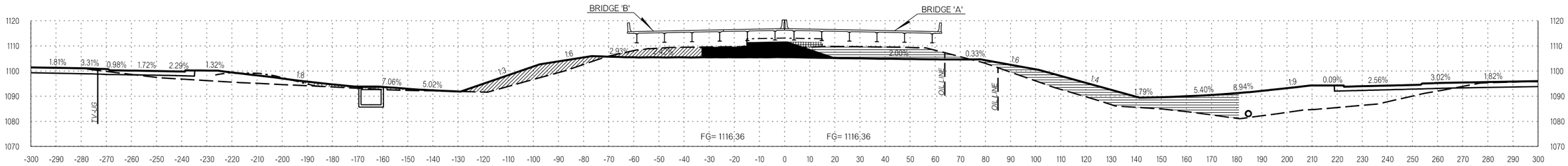
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

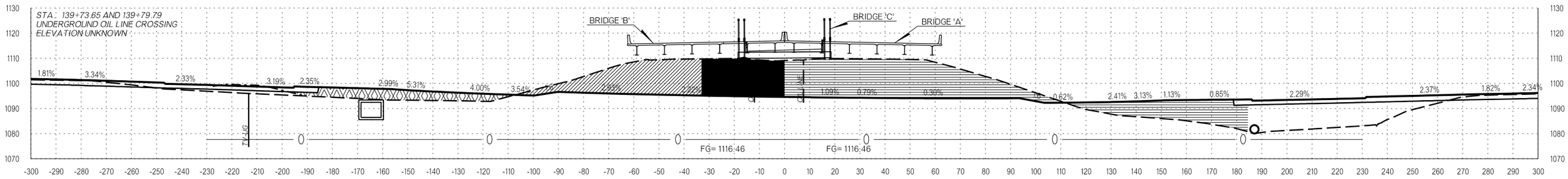
3/28/2025

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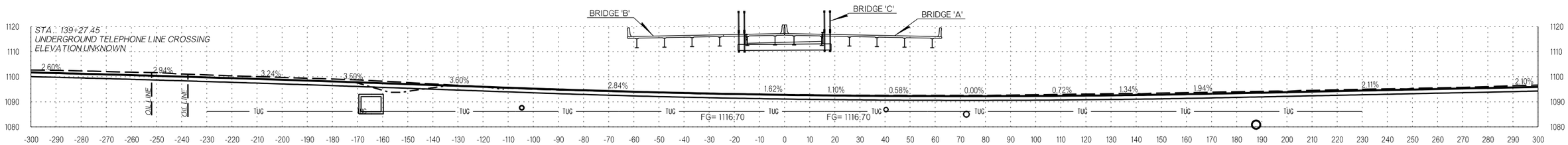
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



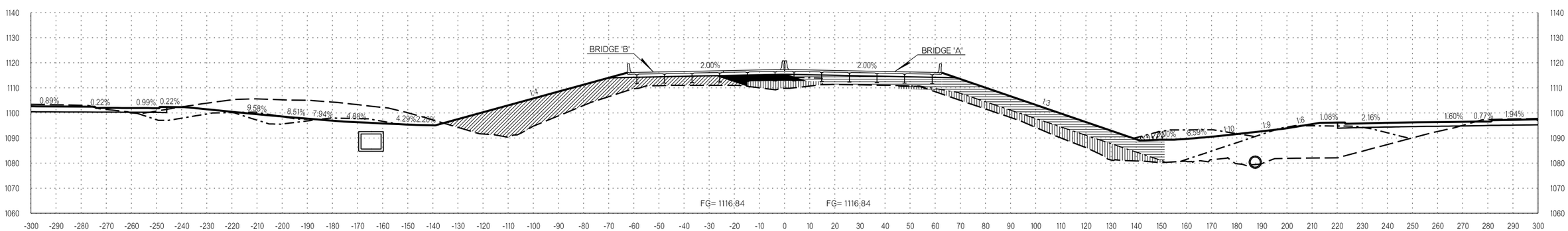
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139+76.00



139+00.00



138+18.17 : BEGIN BRIDGE A & B

I-35

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X019

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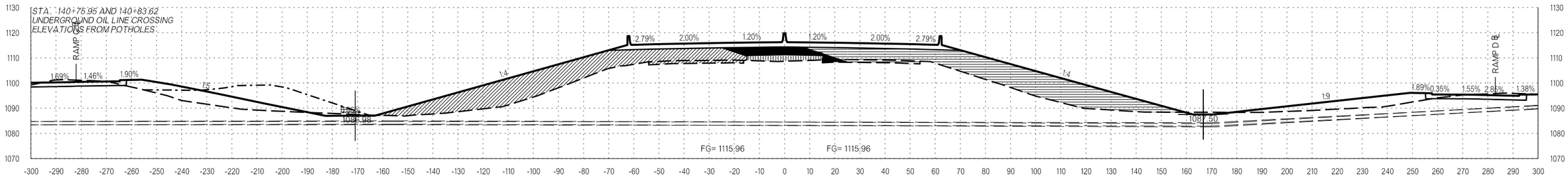
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

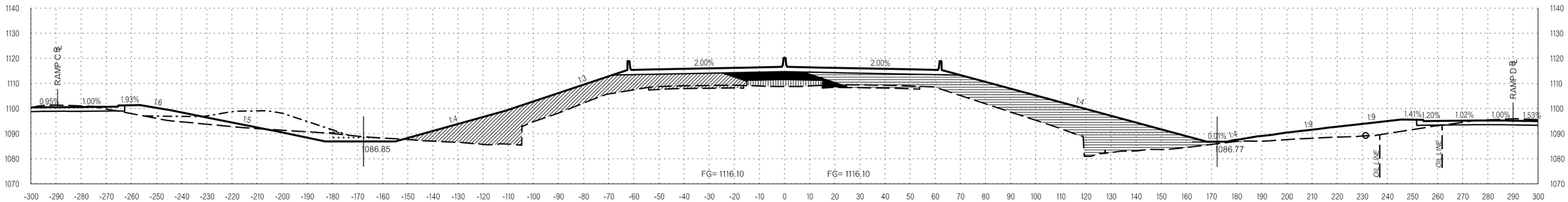
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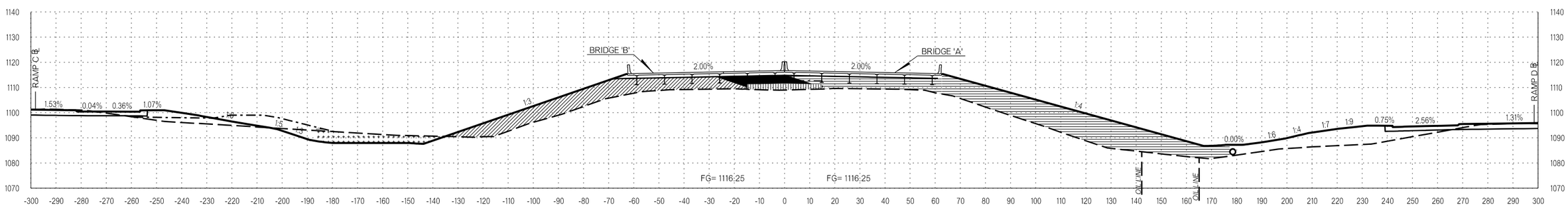
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



140+80.00



140+54.83



140+24.83 : END BRIDGE A & B

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9:34:05 AM
3/28/2025

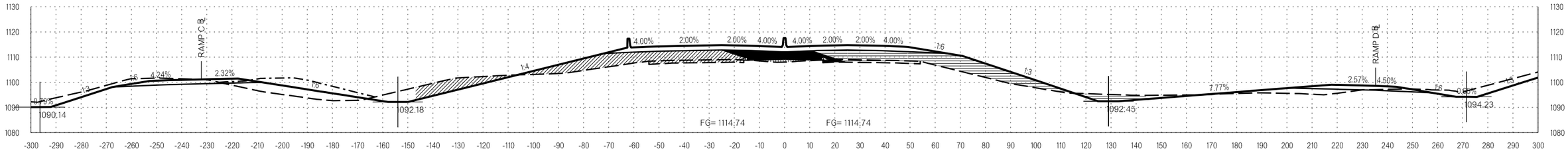
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

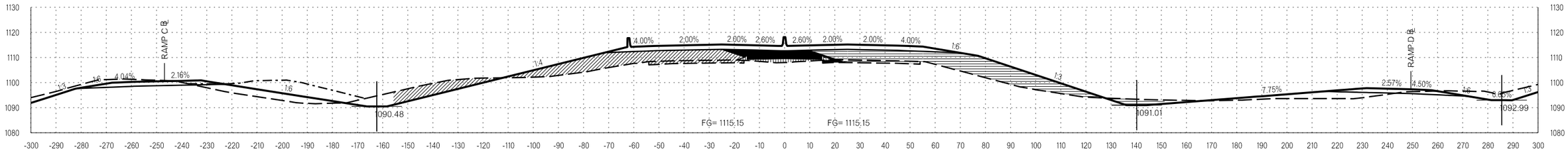
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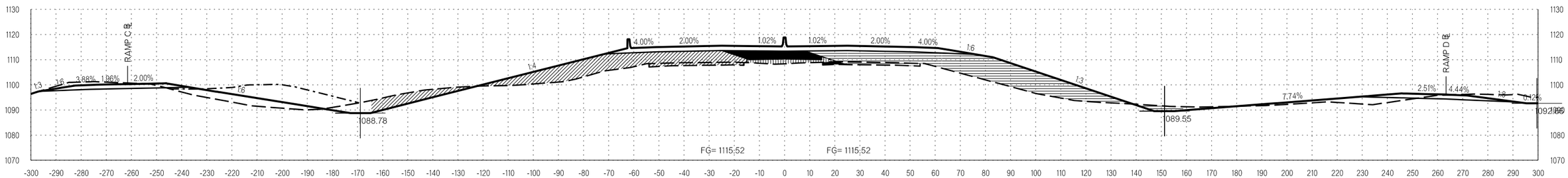
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



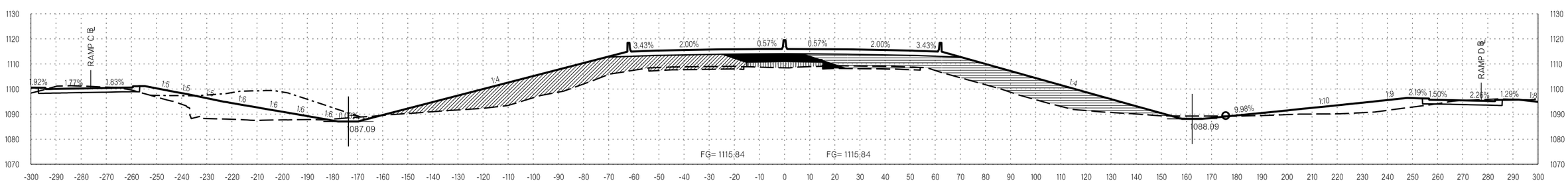
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142+00.00



141+50.00



141+00.00

I-35

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X021

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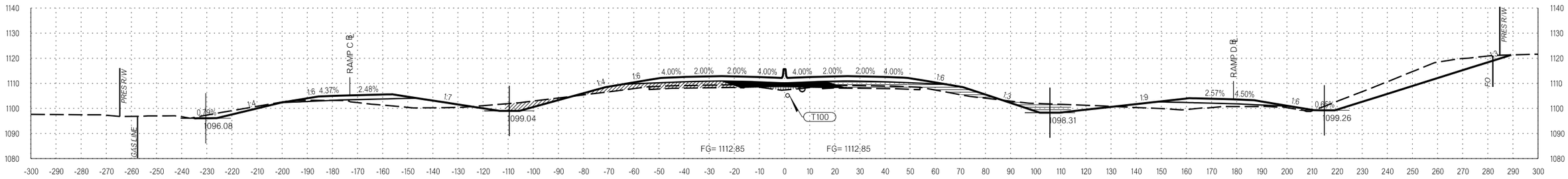
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

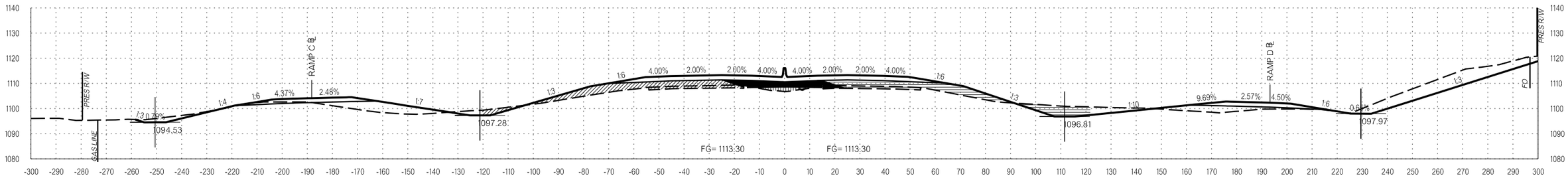
3/28/2025

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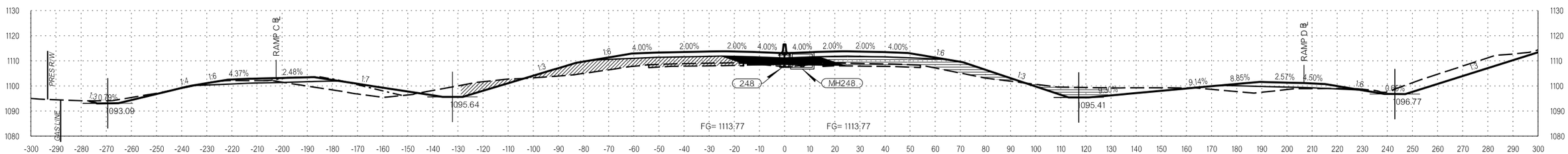
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



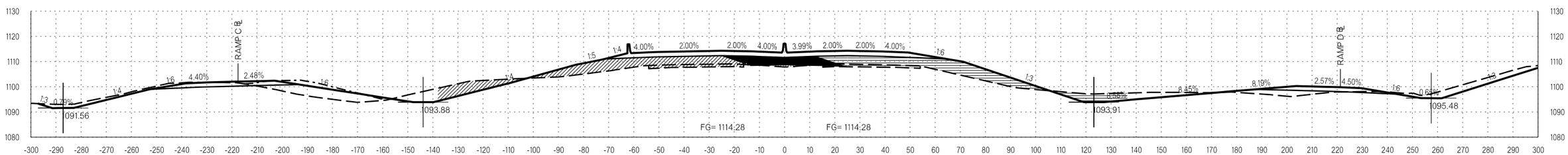
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144+00.00



143+51.75



143+00.00

3/28/2025 9:34:09 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

I-35

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X022

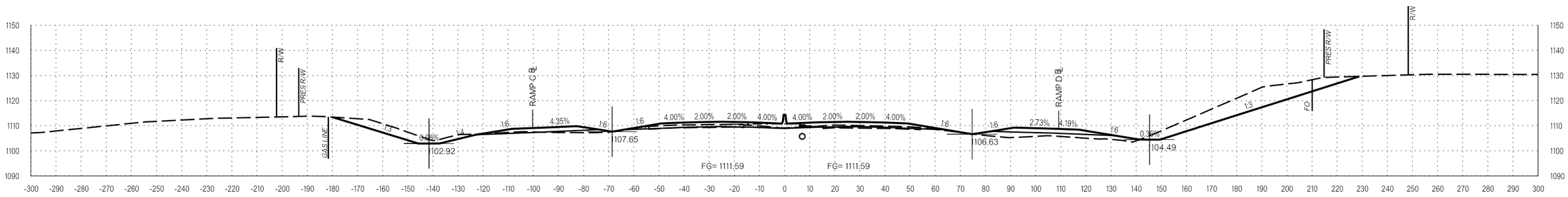
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

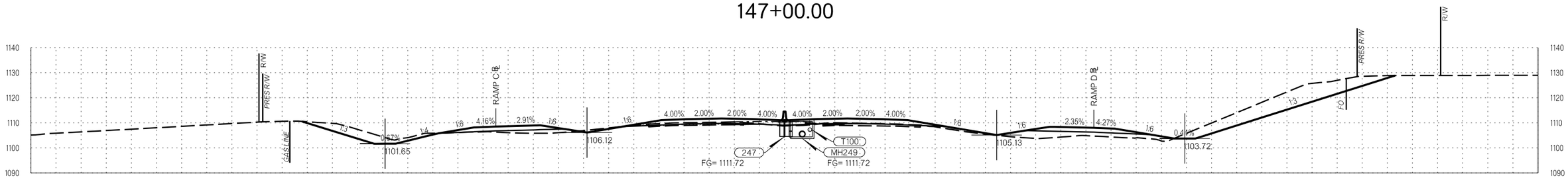
3/28/2025

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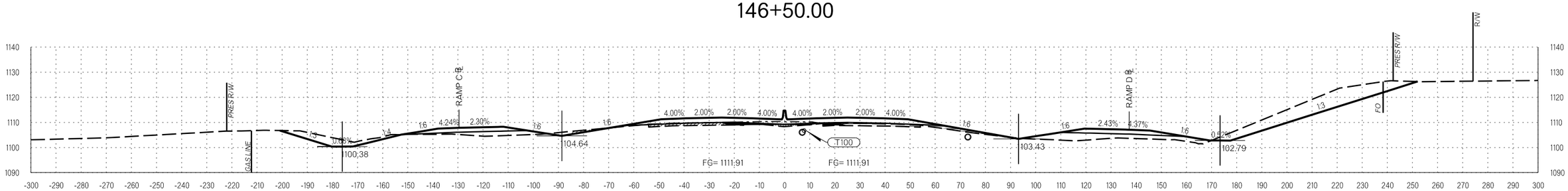
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



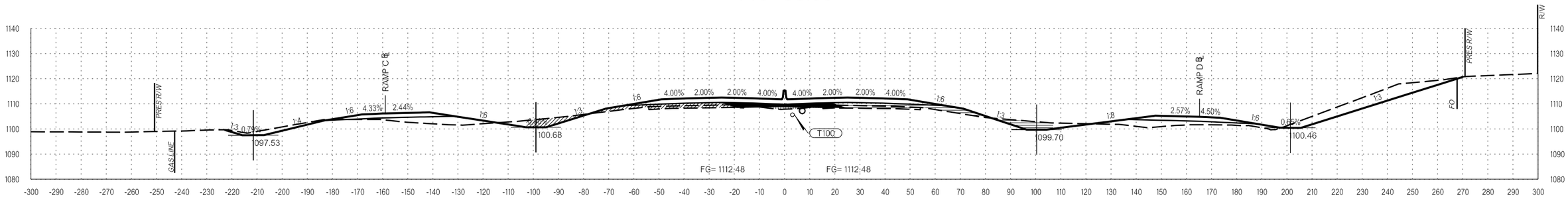
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146+50.00



146+00.00



145+00.00

I-35

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X023

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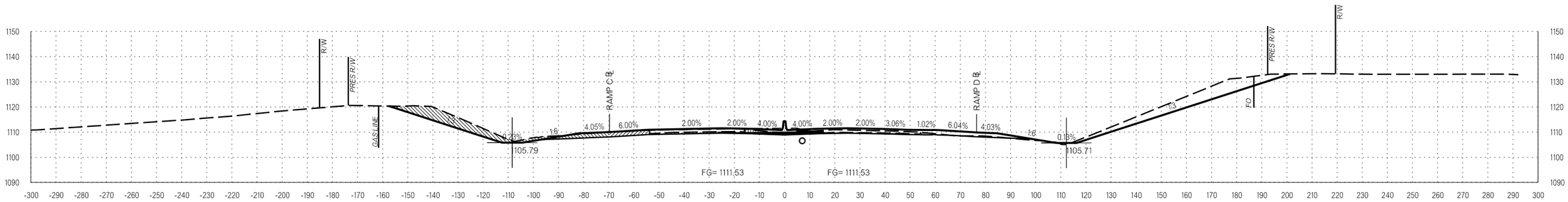
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

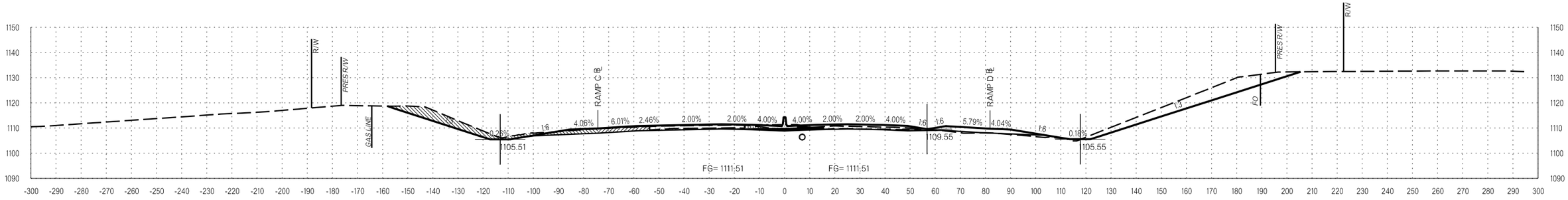
3/28/2025

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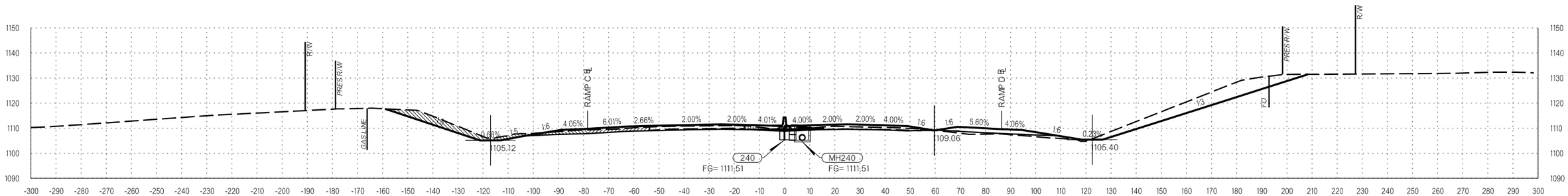
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



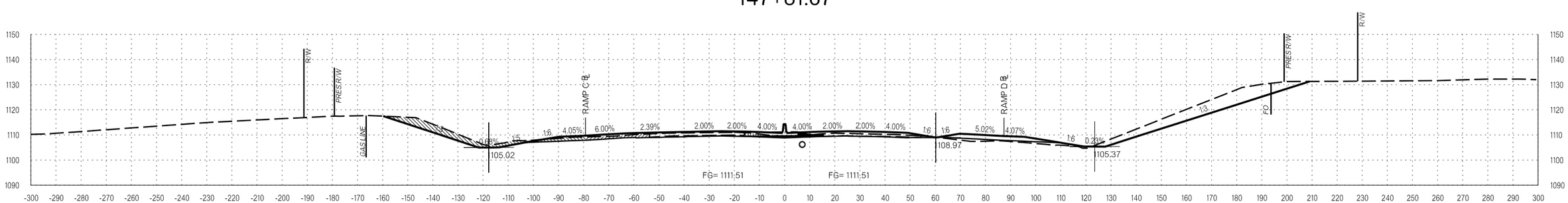
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148+00.00



147+81.67



147+78.07

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X024

3/28/2025 9:34:12 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

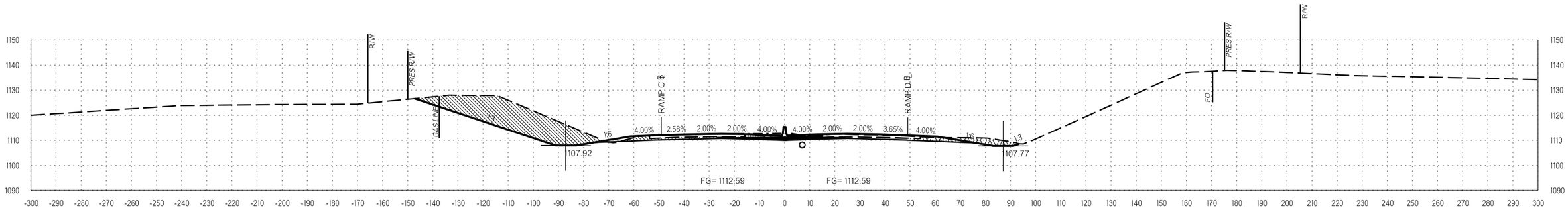
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

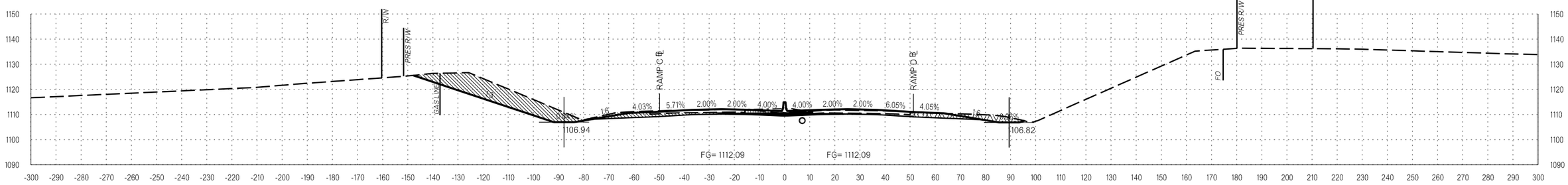
3/28/2025

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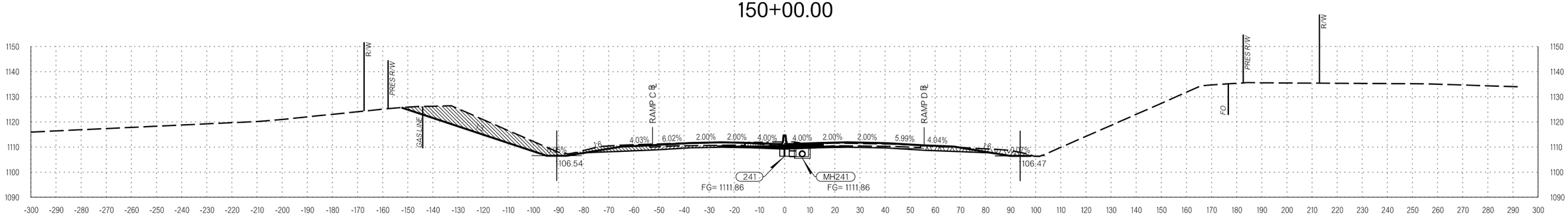
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



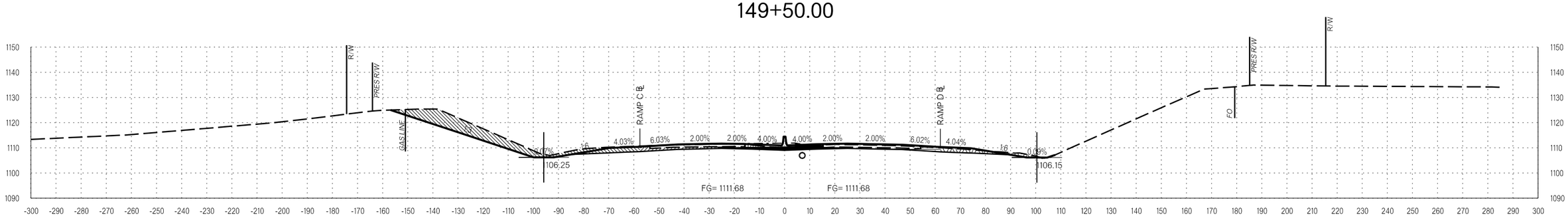
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150+00.00



149+50.00



149+00.00

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X025

3/28/2025 9:34:13 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

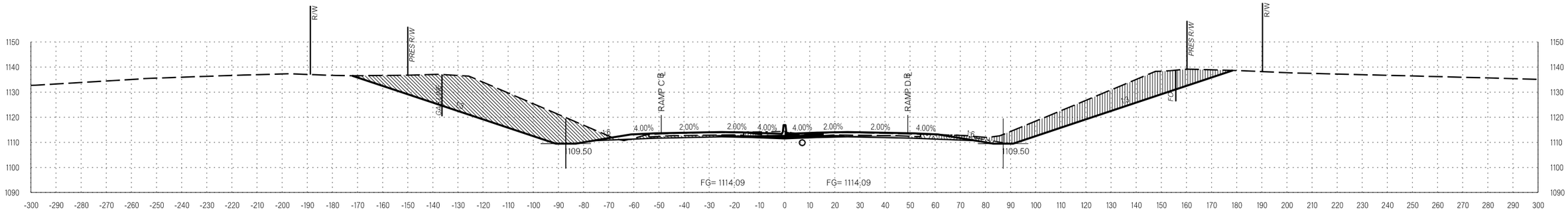
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

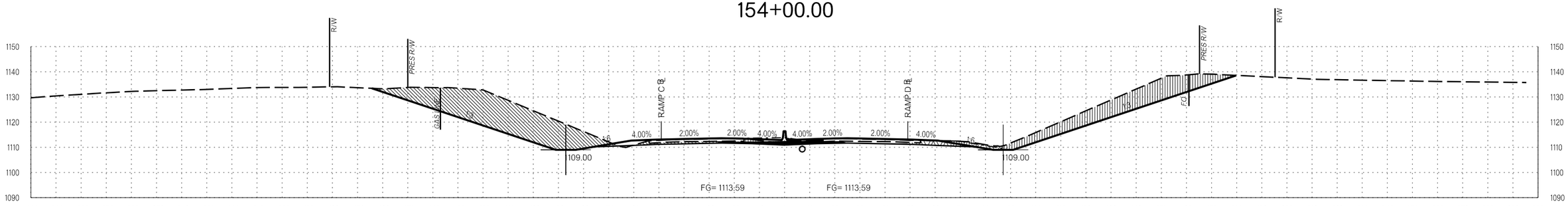
3/28/2025

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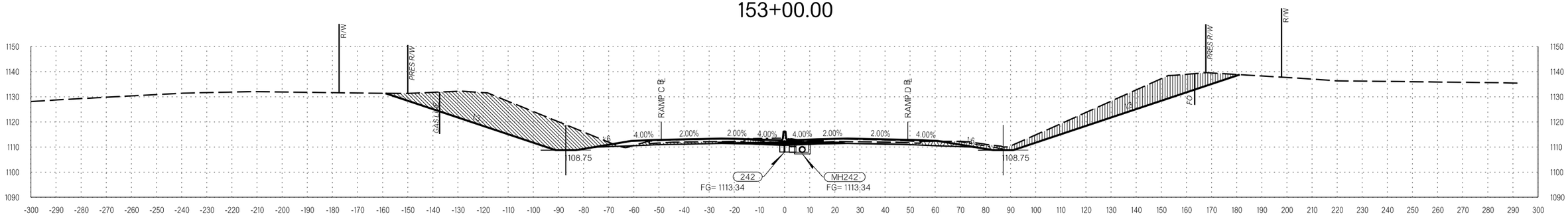
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



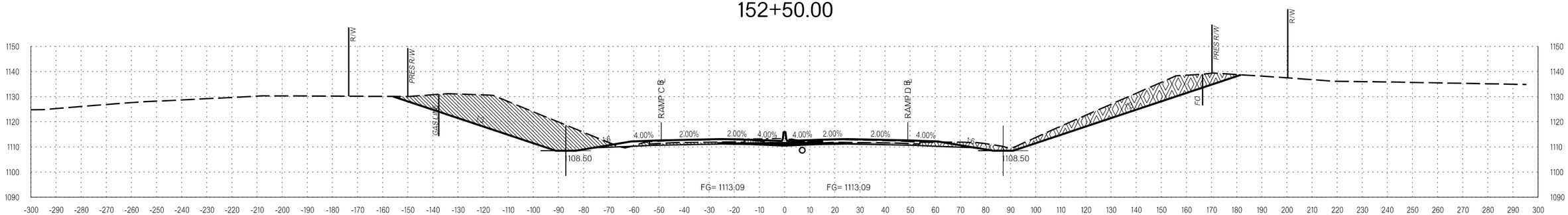
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153+00.00



152+50.00



152+00.00

I-35

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X026

3/28/2025 9:34:15 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

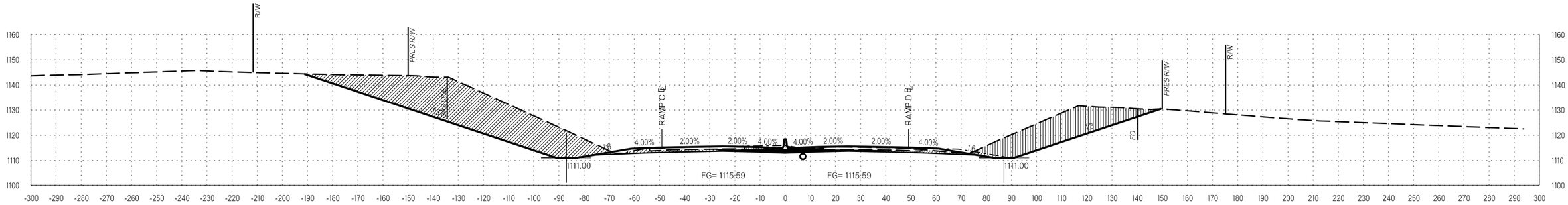
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

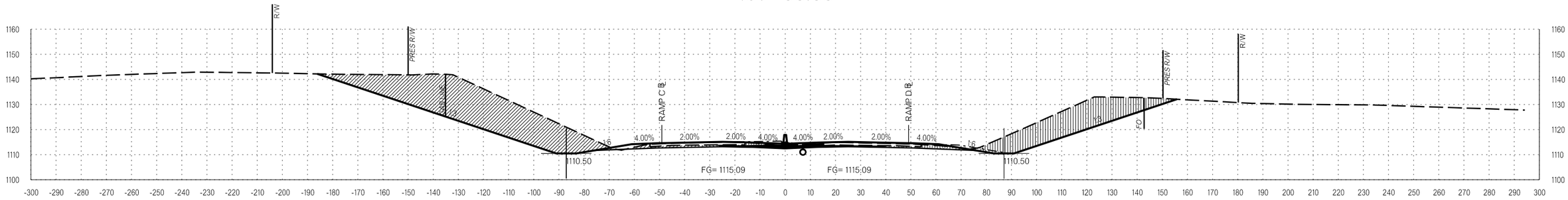
3/28/2025

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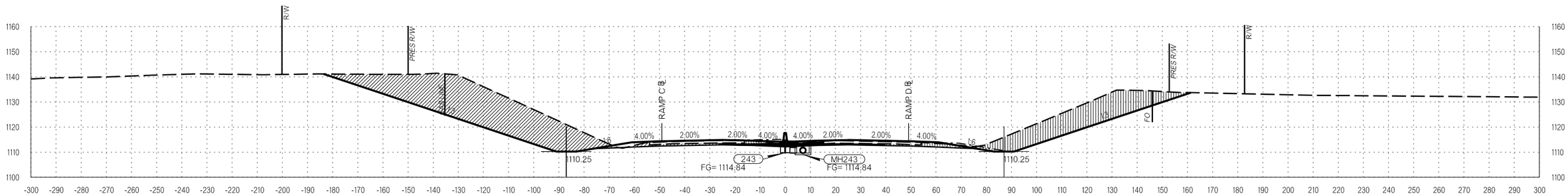
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TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



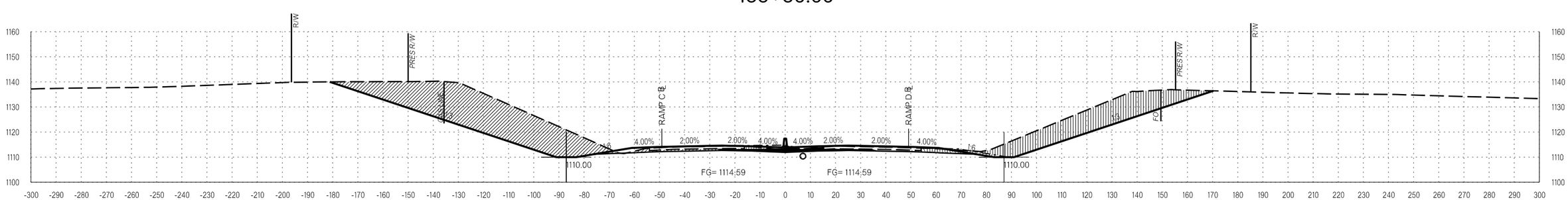
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156+00.00



155+50.00



155+00.00

3/28/2025 9:34:17 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

I-35

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X027

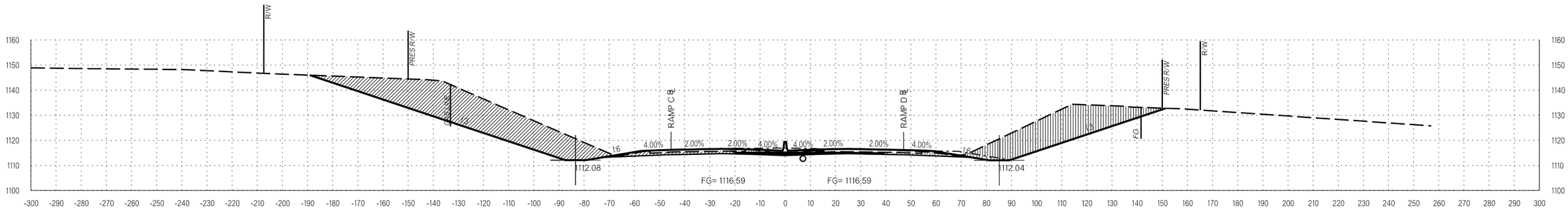
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

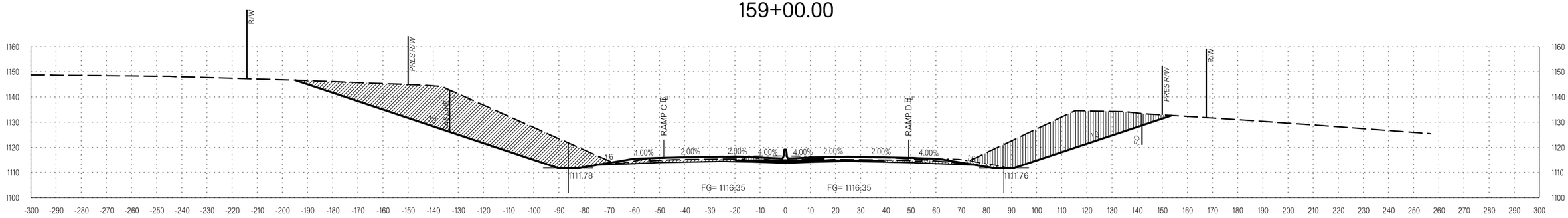
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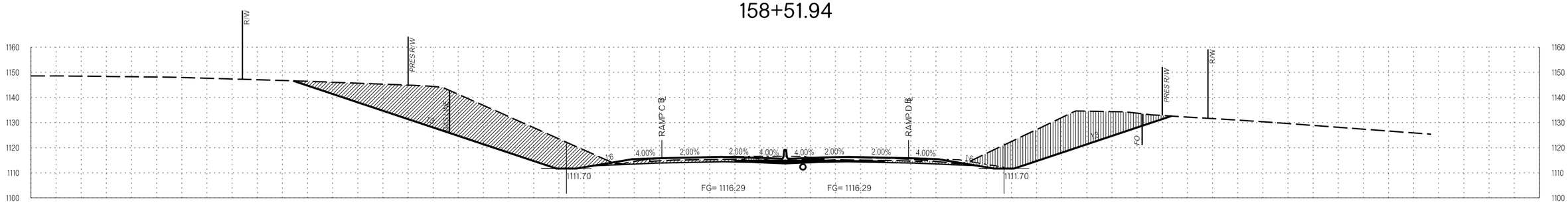
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



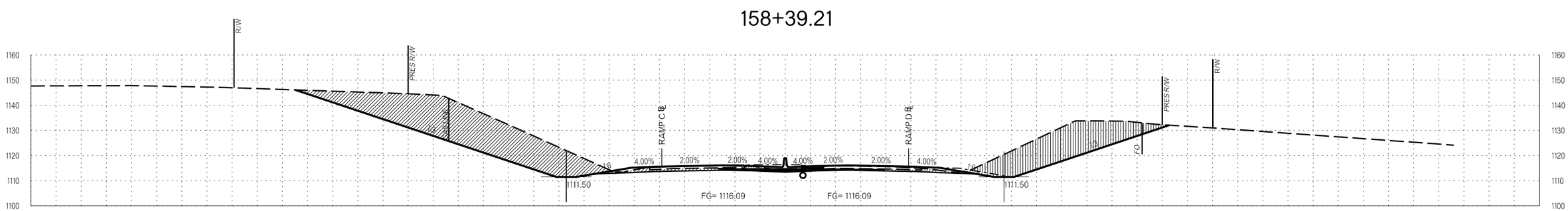
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158+51.94



158+39.21



158+00.00

3/28/2025 9:34:18 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

I-35

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X028

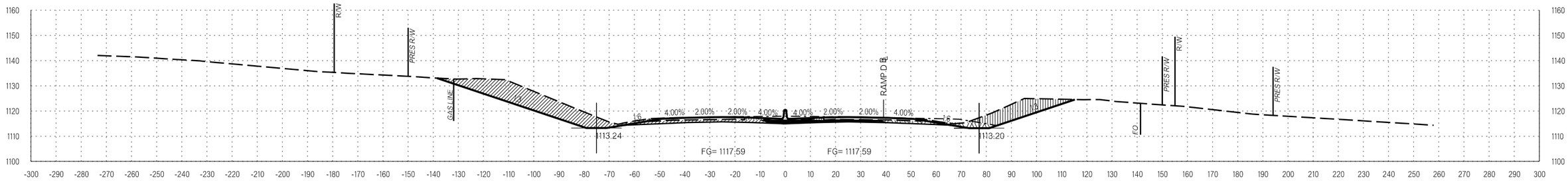
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

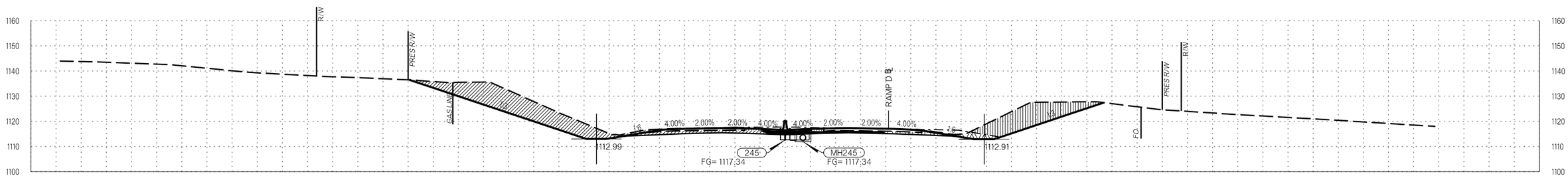
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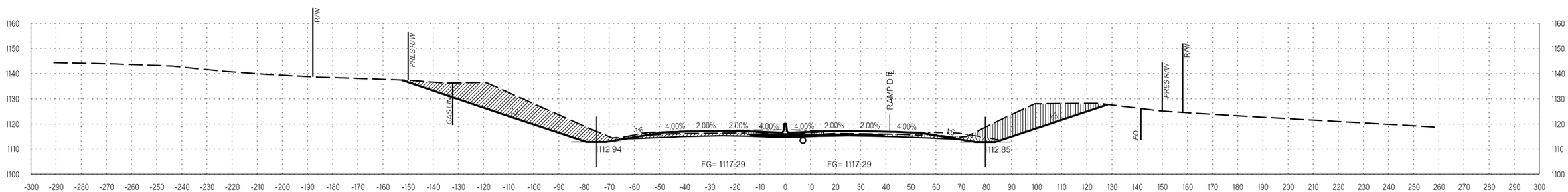
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



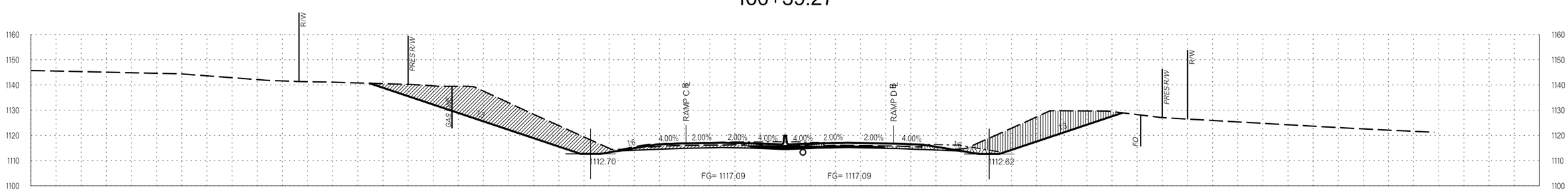
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160+50.00



160+39.27



160+00.00

3/28/2025 9:34:20 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

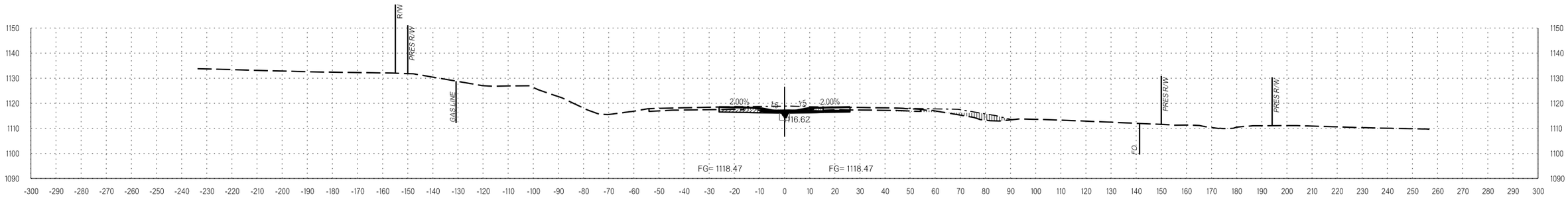
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

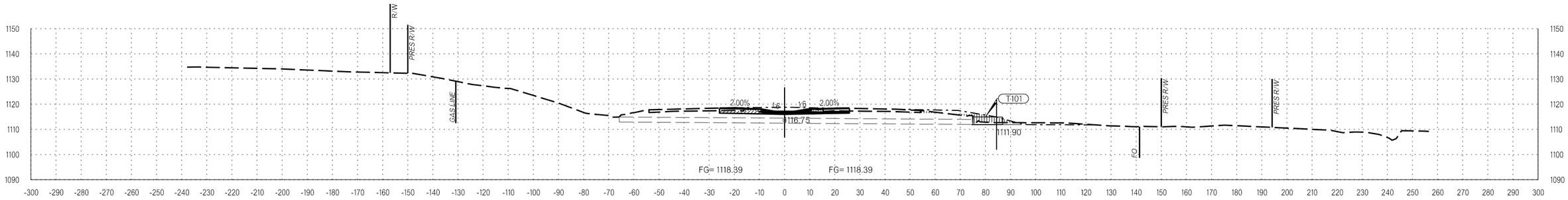
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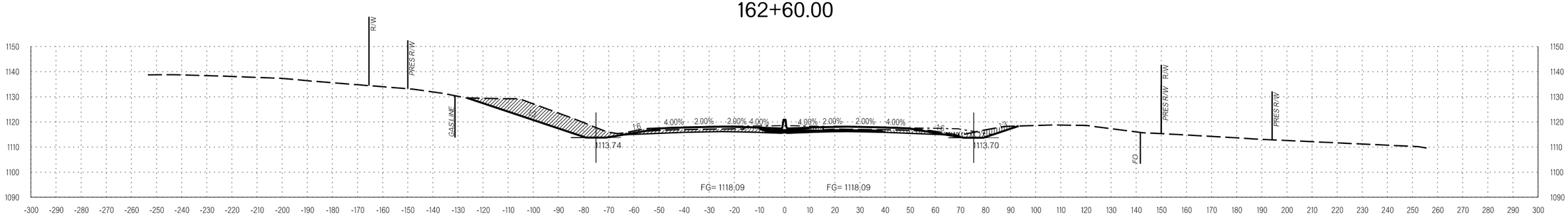
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



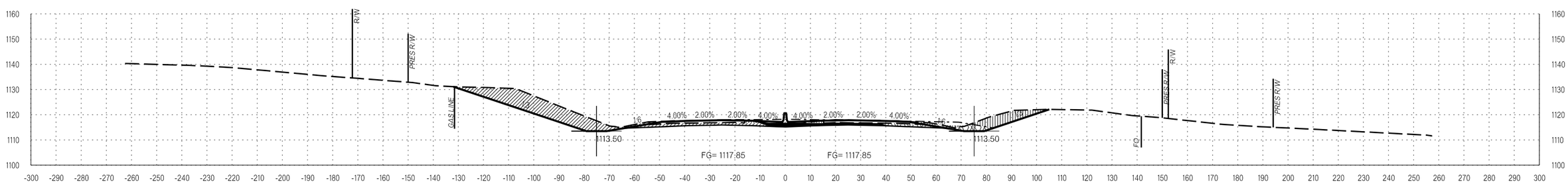
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162+60.00



162+00.00



161+51.98

I-35

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X030

3/28/2025 9:34:22 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

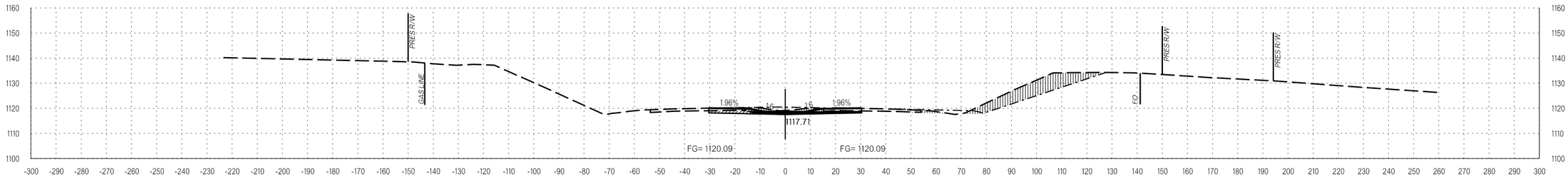
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

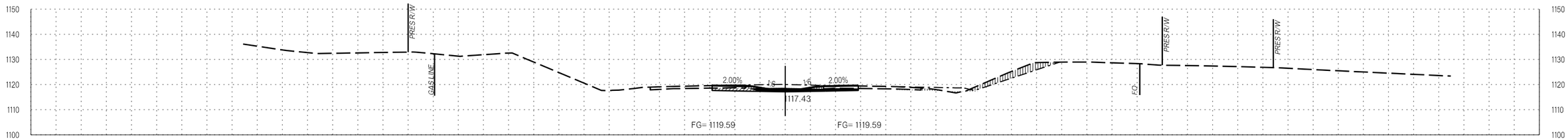
3/28/2025

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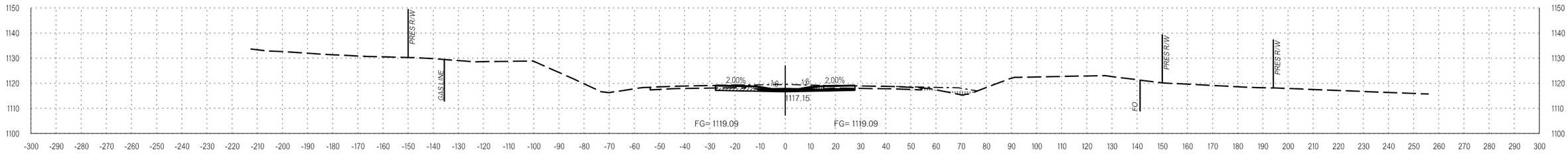
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



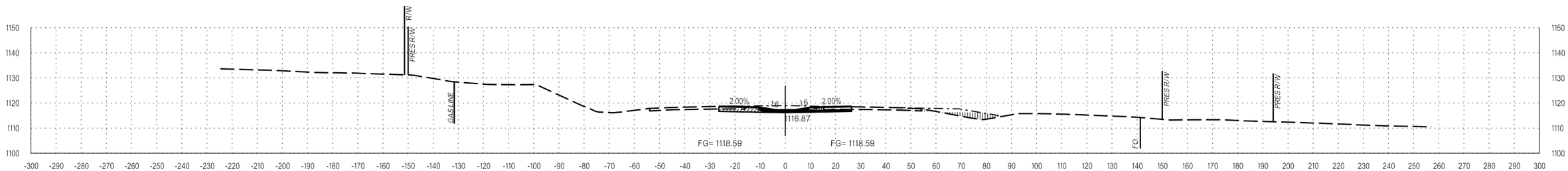
166+00.00



165+00.00



164+00.00



163+00.00

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X031

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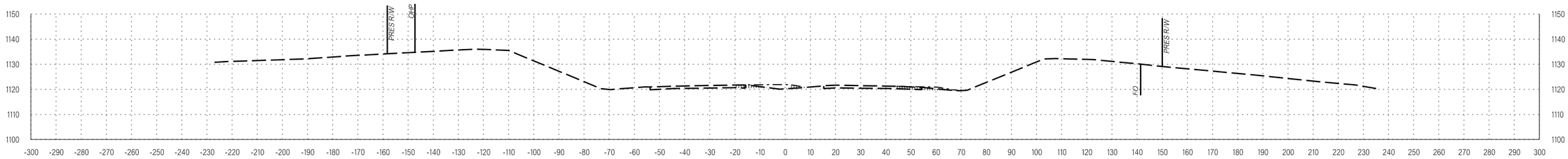
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

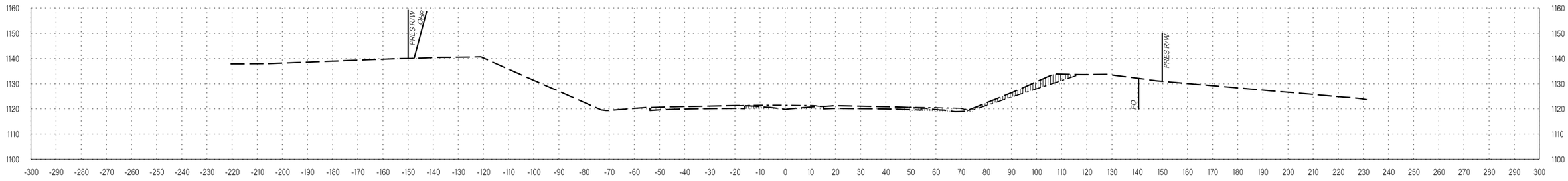
3/28/2025

LEGEND

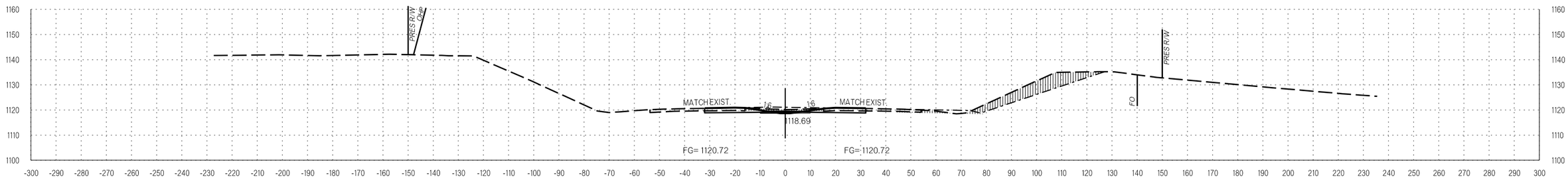
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



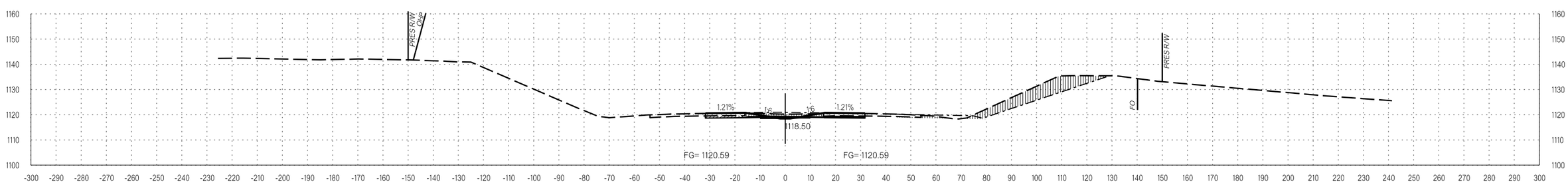
169+00.00



168+00.00



167+25.00 : END PROJECT / BEGIN INCIDENTAL



167+00.00

3/28/2025 9:34:25 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

I-35

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X032

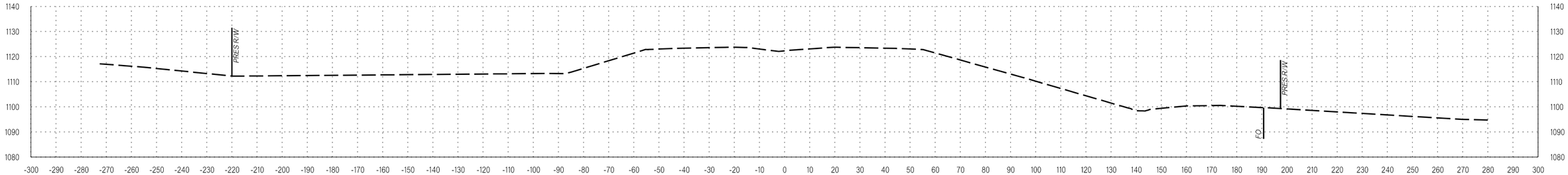
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

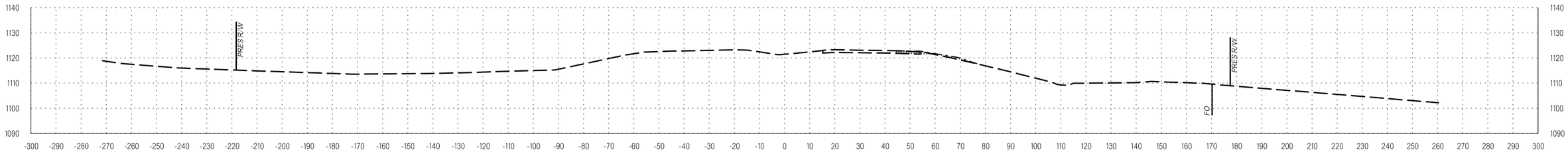
3/28/2025

LEGEND

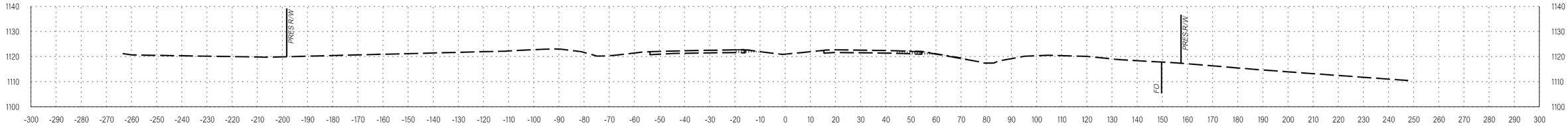
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



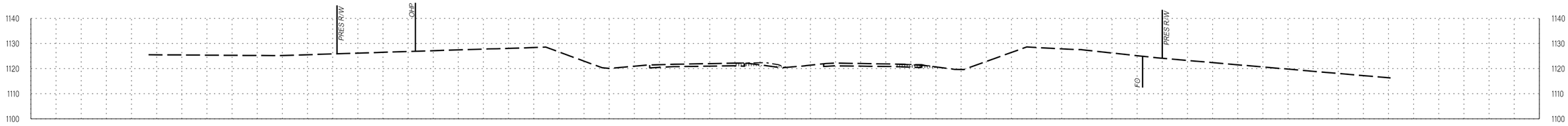
173+00.00 : END INCIDENTAL



172+00.00



171+00.00



170+00.00

3/28/2025 9:34:26 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

I-35

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X033

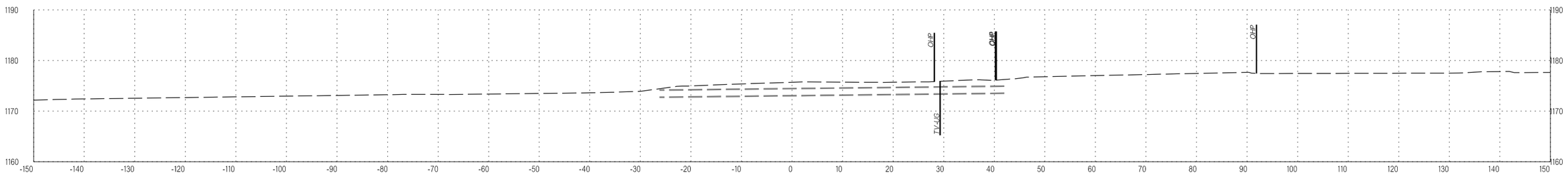
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

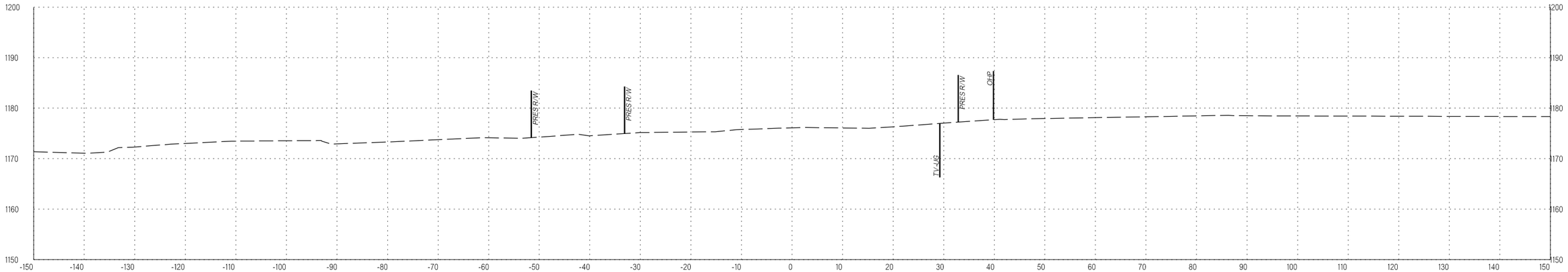
3/28/2025

LEGEND

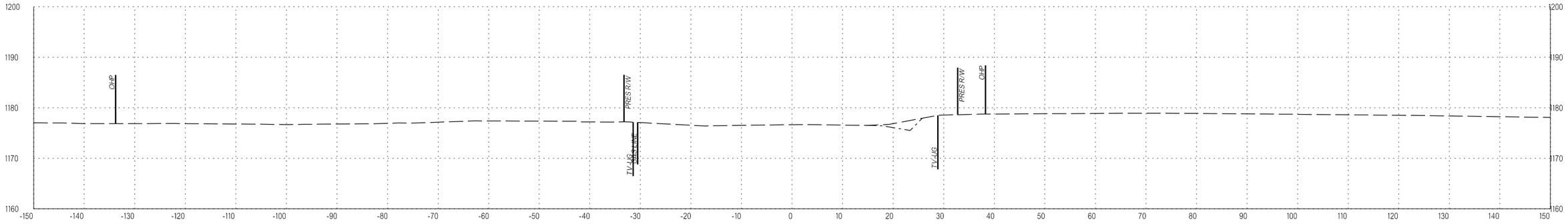
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



39+67.83



39+50.00



39+00.00

3/28/2025 9:34:28 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

WATERLOO

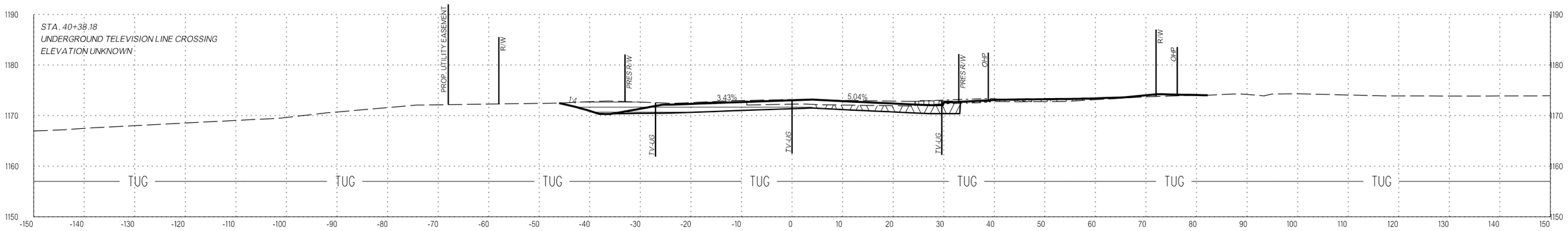
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X034

LEGEND
SURVEYED SURFACE
DEVELOPMENT SURFACE*

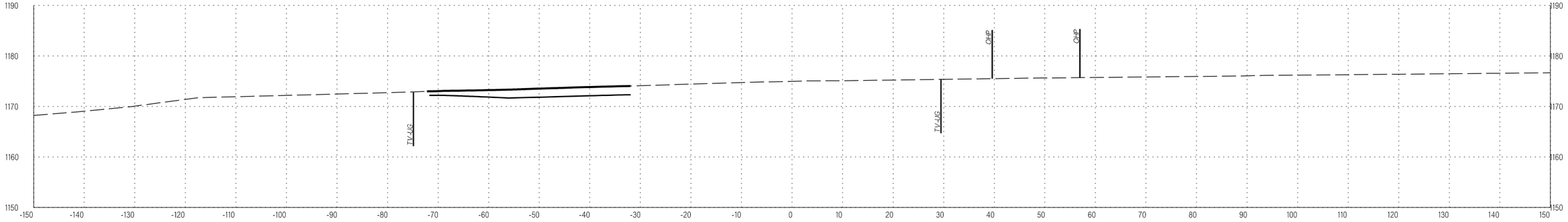
*THE DEVELOPMENT SURFACE IS A DESIGN GRADING SURFACE THAT WAS RECEIVED FROM THE LAND DEVELOPER FOR THE PROPERTY THAT IS UNDER CONSTRUCTION ON THE NORTH SIDE OF WATERLOO APPROX. STATION 40+10.00 TO 63+00.00. FIELD VERIFICATION OF THE DEVELOPMENT SURFACE HAS NOT BEEN PERFORMED, ACTUAL GRADING SURFACE CONSTRUCTED IN FIELD MAY VARY FROM THAT SHOWN IN THESE PLANS.

LEGEND
PROPOSED
TEMPORARY
EXISTING GROUND
PHASE 1
PHASE 2A
PHASE 2B
PHASE 3
PHASE 4A
PHASE 5
PHASE 6
PHASE 7

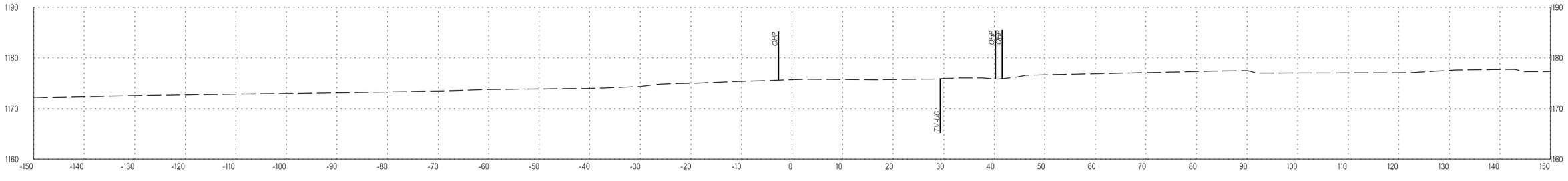
OKLAHOMA DEPARTMENT OF TRANSPORTATION
FINAL FIELD MEETING
3/28/2025



40+38.18



40+00.00



39+69.99

3/28/2025 9:34:29 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

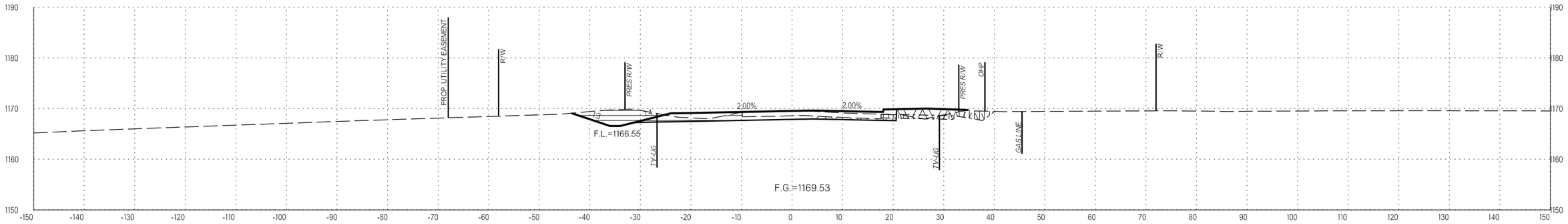
WATERLOO
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X035

LEGEND
SURVEYED SURFACE
DEVELOPMENT SURFACE*

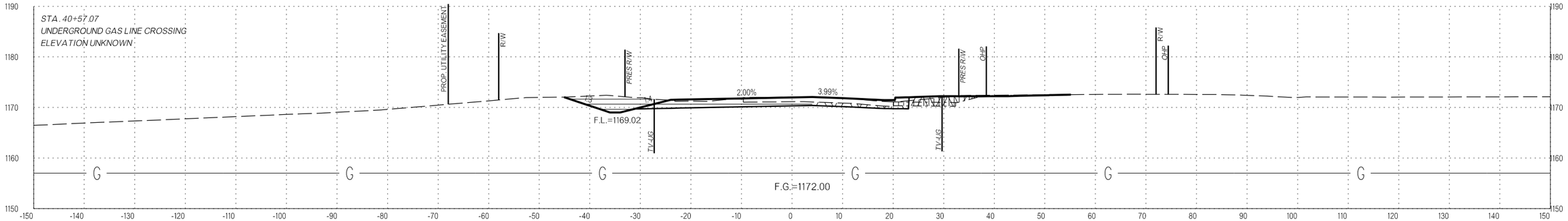
*THE DEVELOPMENT SURFACE IS A DESIGN GRADING SURFACE THAT WAS RECEIVED FROM THE LAND DEVELOPER FOR THE PROPERTY THAT IS UNDER CONSTRUCTION ON THE NORTH SIDE OF WATERLOO APPROX. STATION 40+10.00 TO 63+00.00. FIELD VERIFICATION OF THE DEVELOPMENT SURFACE HAS NOT BEEN PERFORMED, ACTUAL GRADING SURFACE CONSTRUCTED IN FIELD MAY VARY FROM THAT SHOWN IN THESE PLANS.

LEGEND
PROPOSED
TEMPORARY
EXISTING GROUND
PHASE 1
PHASE 2A
PHASE 2B
PHASE 3
PHASE 4A
PHASE 5
PHASE 6
PHASE 7

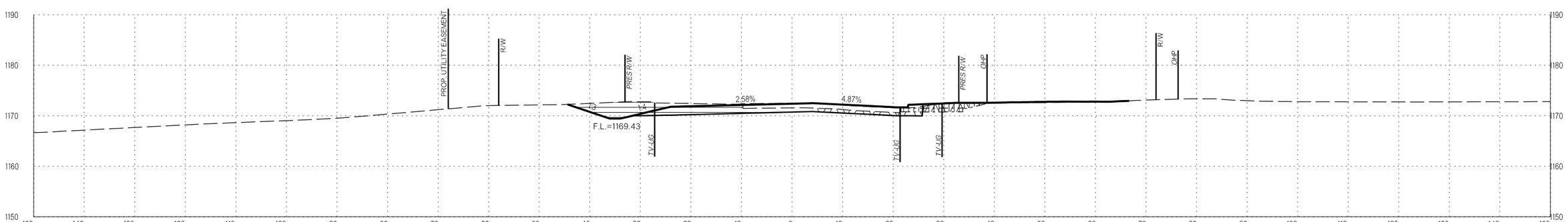
OKLAHOMA DEPARTMENT OF TRANSPORTATION
FINAL FIELD MEETING
3/28/2025



41+00.00



40+57.07



40+50.00

3/28/2025 9:34:31 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

WATERLOO
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X036

LEGEND

SURVEYED SURFACE

DEVELOPMENT SURFACE*

*THE DEVELOPMENT SURFACE IS A DESIGN GRADING SURFACE THAT WAS RECEIVED FROM THE LAND DEVELOPER FOR THE PROPERTY THAT IS UNDER CONSTRUCTION ON THE NORTH SIDE OF WATERLOO APPROX. STATION 40+10.00 TO 63+00.00. FIELD VERIFICATION OF THE DEVELOPMENT SURFACE HAS NOT BEEN PERFORMED, ACTUAL GRADING SURFACE CONSTRUCTED IN FIELD MAY VARY FROM THAT SHOWN IN THESE PLANS.

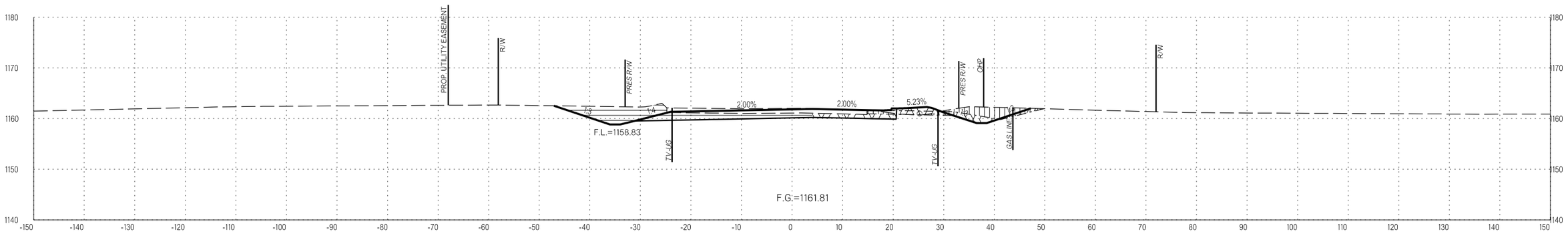
LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7

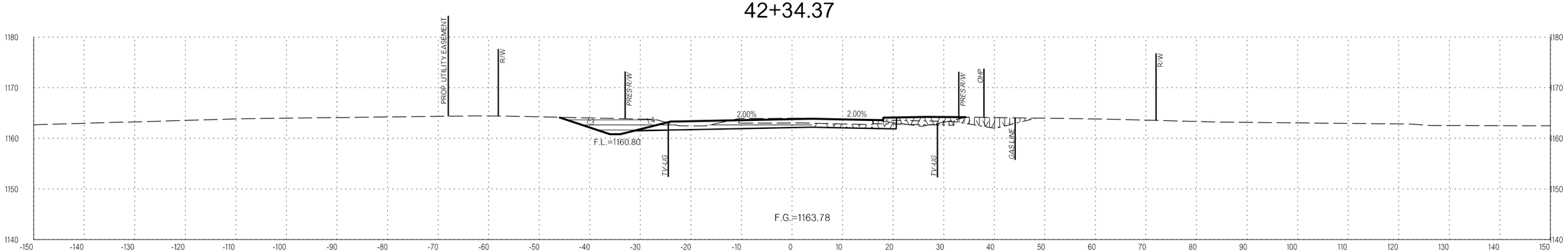
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

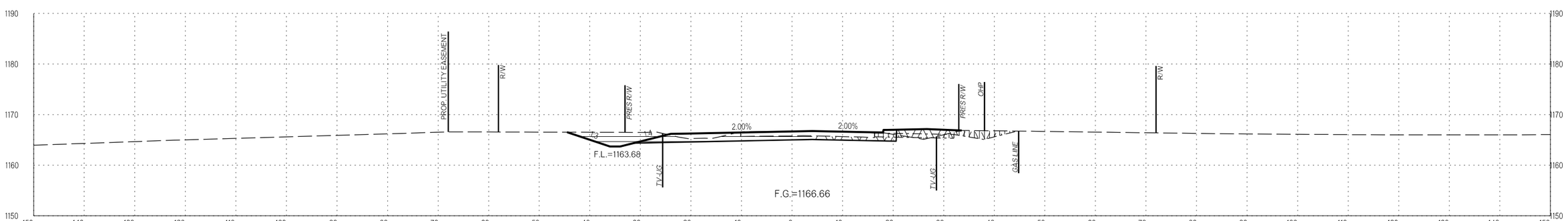
3/28/2025



42+34.37



42+00.00



41+50.00

3/28/2025 9:34:32 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

WATERLOO

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X037

LEGEND
SURVEYED SURFACE
DEVELOPMENT SURFACE*

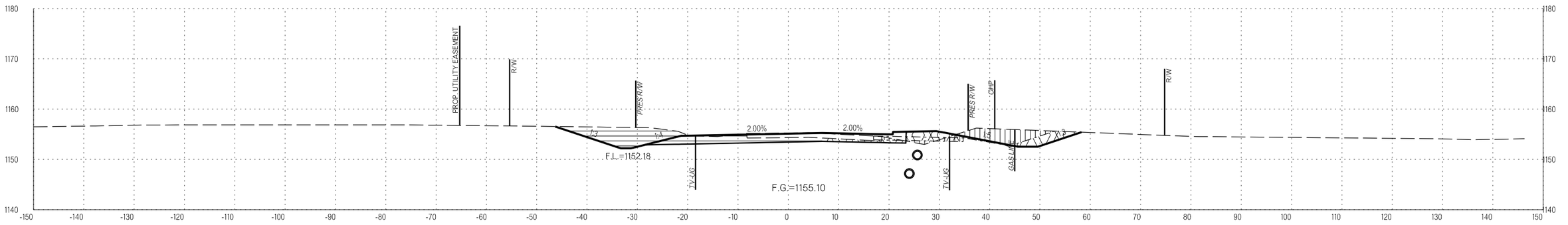
*THE DEVELOPMENT SURFACE IS A DESIGN GRADING SURFACE THAT WAS RECEIVED FROM THE LAND DEVELOPER FOR THE PROPERTY THAT IS UNDER CONSTRUCTION ON THE NORTH SIDE OF WATERLOO APPROX. STATION 40+10.00 TO 63+00.00. FIELD VERIFICATION OF THE DEVELOPMENT SURFACE HAS NOT BEEN PERFORMED, ACTUAL GRADING SURFACE CONSTRUCTED IN FIELD MAY VARY FROM THAT SHOWN IN THESE PLANS.

LEGEND

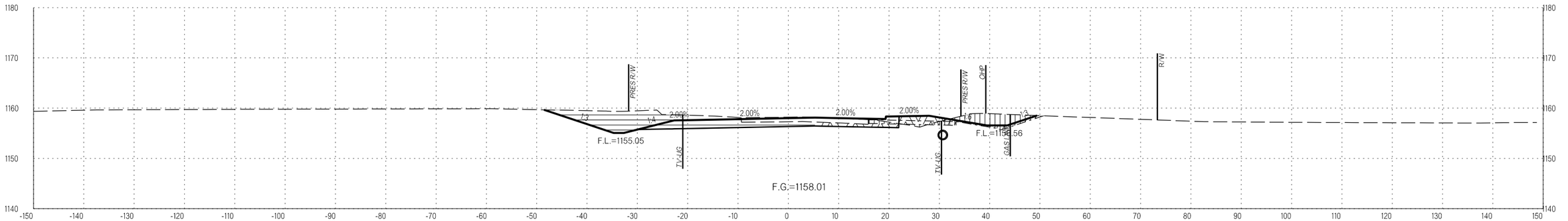
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7

OKLAHOMA DEPARTMENT OF TRANSPORTATION

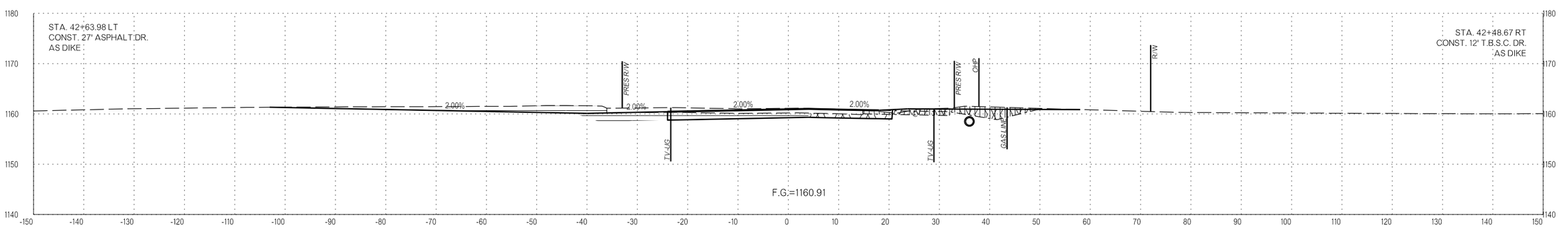
FINAL FIELD MEETING
3/28/2025



43+50.00



43+00.00



42+50.00

3/28/2025 9:34:34 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

WATERLOO

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X038

LEGEND

SURVEYED SURFACE

DEVELOPMENT SURFACE*

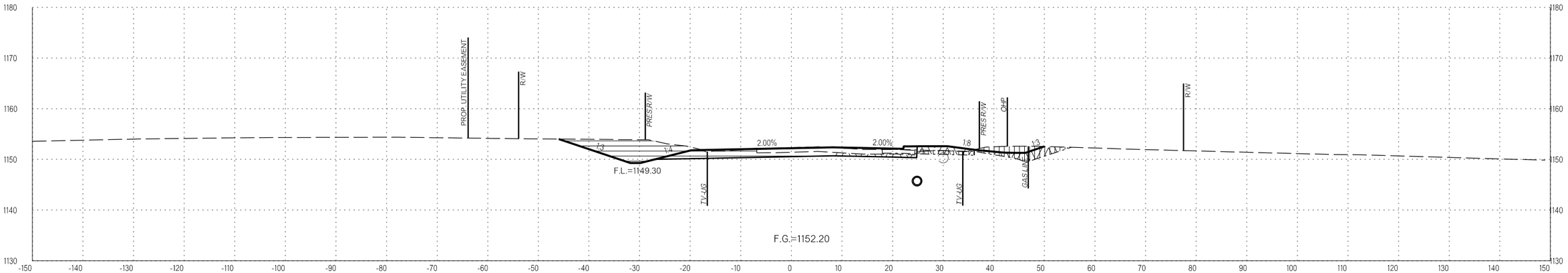
*THE DEVELOPMENT SURFACE IS A DESIGN GRADING SURFACE THAT WAS RECEIVED FROM THE LAND DEVELOPER FOR THE PROPERTY THAT IS UNDER CONSTRUCTION ON THE NORTH SIDE OF WATERLOO APPROX. STATION 40+10.00 TO 63+00.00. FIELD VERIFICATION OF THE DEVELOPMENT SURFACE HAS NOT BEEN PERFORMED, ACTUAL GRADING SURFACE CONSTRUCTED IN FIELD MAY VARY FROM THAT SHOWN IN THESE PLANS.

LEGEND		
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7

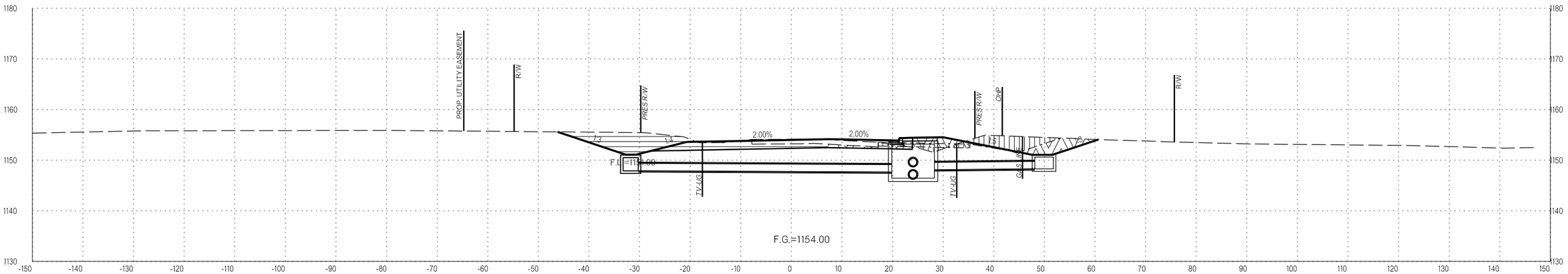
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025



44+00.00



43+69.00

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WATERLOO

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X039

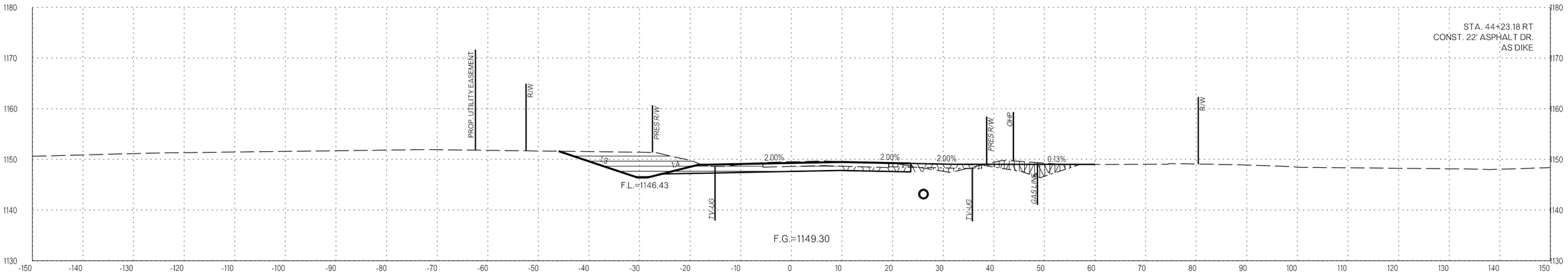
LEGEND
SURVEYED SURFACE
DEVELOPMENT SURFACE*

*THE DEVELOPMENT SURFACE IS A DESIGN GRADING SURFACE THAT WAS RECEIVED FROM THE LAND DEVELOPER FOR THE PROPERTY THAT IS UNDER CONSTRUCTION ON THE NORTH SIDE OF WATERLOO APPROX. STATION 40+10.00 TO 63+00.00. FIELD VERIFICATION OF THE DEVELOPMENT SURFACE HAS NOT BEEN PERFORMED, ACTUAL GRADING SURFACE CONSTRUCTED IN FIELD MAY VARY FROM THAT SHOWN IN THESE PLANS.

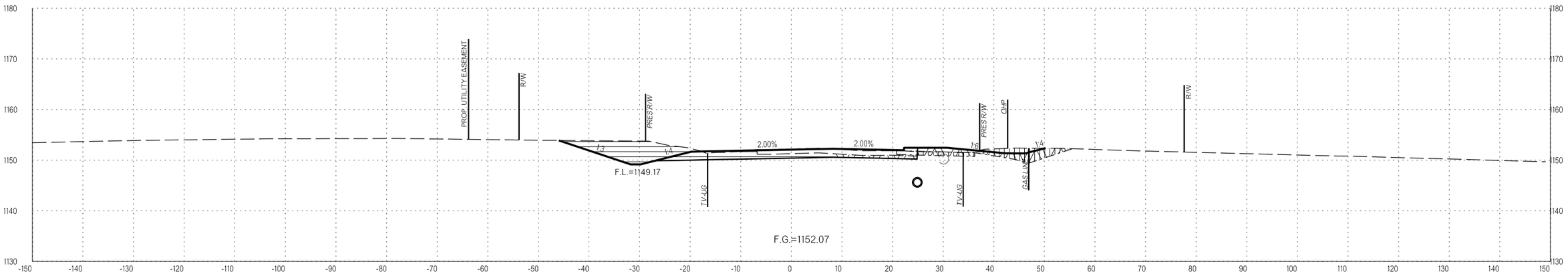
LEGEND
PROPOSED
TEMPORARY
EXISTING GROUND
PHASE 1
PHASE 2A
PHASE 2B
PHASE 3
PHASE 4A
PHASE 5
PHASE 6
PHASE 7

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025



44+50.00



44+02.31

WATERLOO
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X040

3/28/2025 9:34:37 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

LEGEND

SURVEYED SURFACE

DEVELOPMENT SURFACE*

*THE DEVELOPMENT SURFACE IS A DESIGN GRADING SURFACE THAT WAS RECEIVED FROM THE LAND DEVELOPER FOR THE PROPERTY THAT IS UNDER CONSTRUCTION ON THE NORTH SIDE OF WATERLOO APPROX. STATION 40+10.00 TO 63+00.00. FIELD VERIFICATION OF THE DEVELOPMENT SURFACE HAS NOT BEEN PERFORMED, ACTUAL GRADING SURFACE CONSTRUCTED IN FIELD MAY VARY FROM THAT SHOWN IN THESE PLANS.

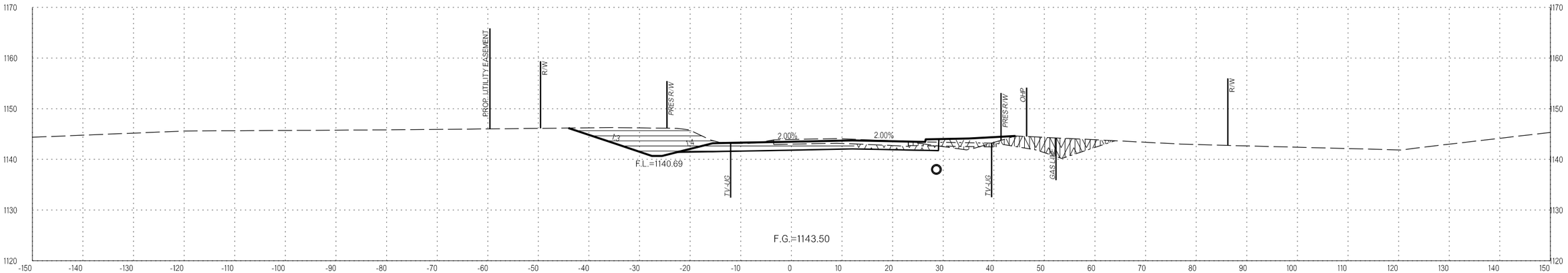
LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7

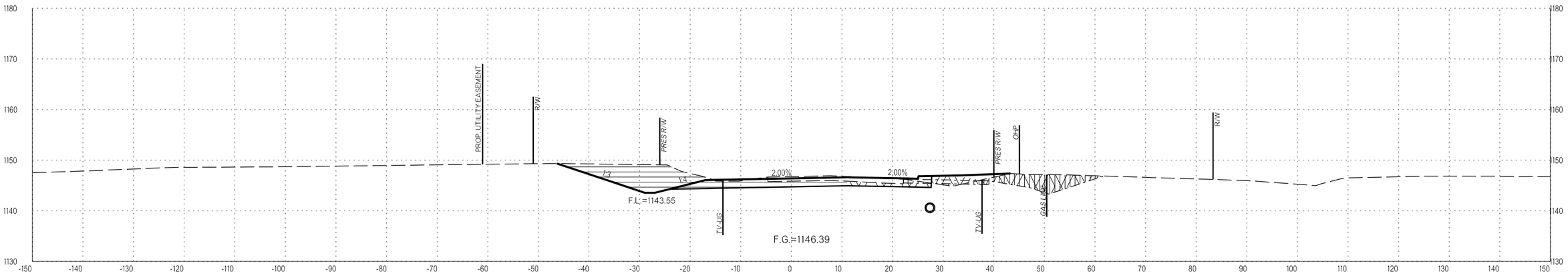
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025



45+50.00



45+00.00

WATERLOO

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X041

3/28/2025 9:34:38 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

LEGEND
SURVEYED SURFACE
DEVELOPMENT SURFACE*

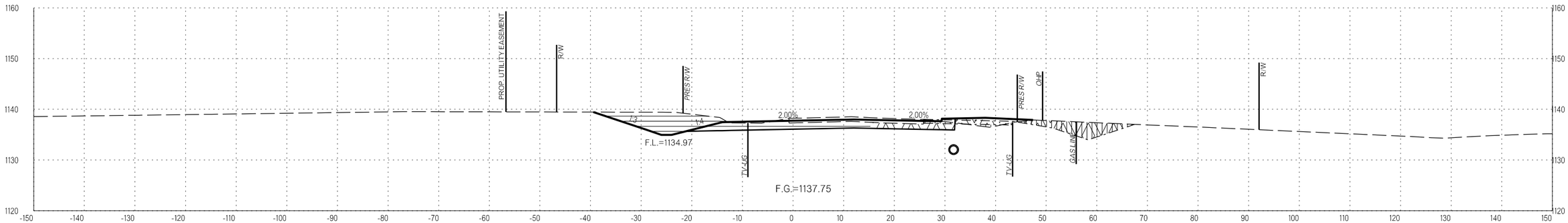
*THE DEVELOPMENT SURFACE IS A DESIGN GRADING SURFACE THAT WAS RECEIVED FROM THE LAND DEVELOPER FOR THE PROPERTY THAT IS UNDER CONSTRUCTION ON THE NORTH SIDE OF WATERLOO APPROX. STATION 40+10.00 TO 63+00.00. FIELD VERIFICATION OF THE DEVELOPMENT SURFACE HAS NOT BEEN PERFORMED, ACTUAL GRADING SURFACE CONSTRUCTED IN FIELD MAY VARY FROM THAT SHOWN IN THESE PLANS.

LEGEND

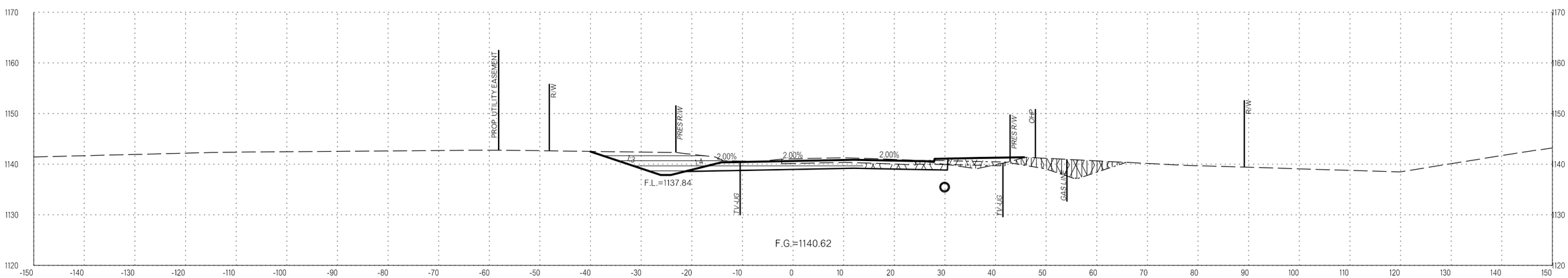
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025



46+50.00



46+00.00

WATERLOO

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X042

3/28/2025 9:34:40 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

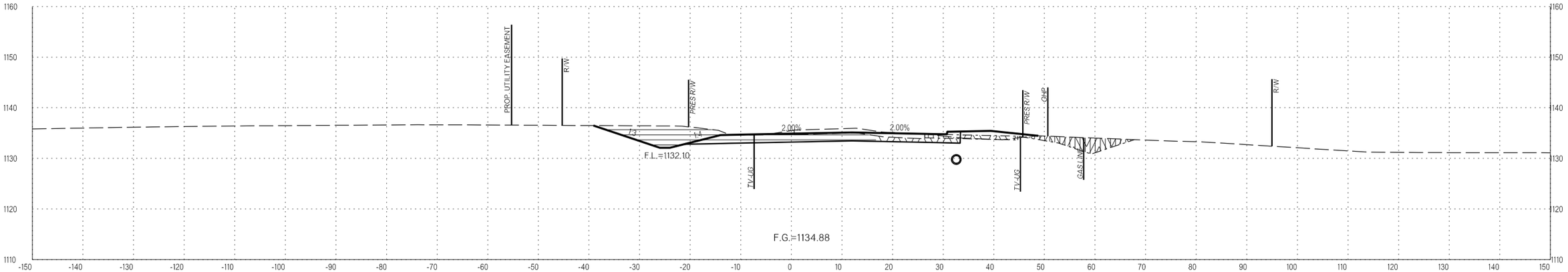
LEGEND
SURVEYED SURFACE
DEVELOPMENT SURFACE*

*THE DEVELOPMENT SURFACE IS A DESIGN GRADING SURFACE THAT WAS RECEIVED FROM THE LAND DEVELOPER FOR THE PROPERTY THAT IS UNDER CONSTRUCTION ON THE NORTH SIDE OF WATERLOO APPROX. STATION 40+10.00 TO 63+00.00. FIELD VERIFICATION OF THE DEVELOPMENT SURFACE HAS NOT BEEN PERFORMED, ACTUAL GRADING SURFACE CONSTRUCTED IN FIELD MAY VARY FROM THAT SHOWN IN THESE PLANS.

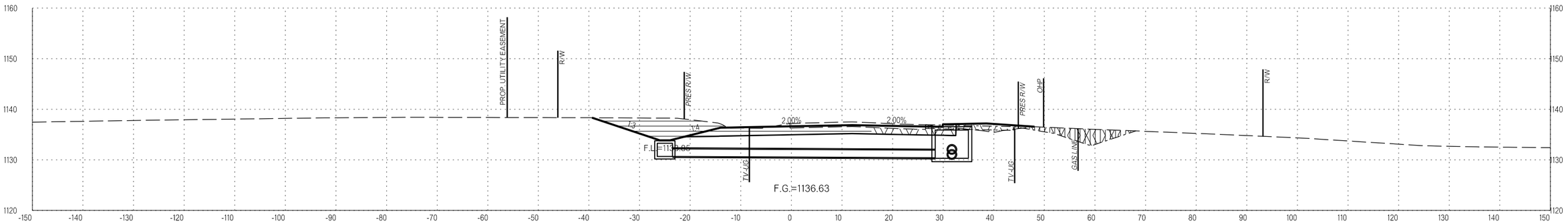
LEGEND
PROPOSED
TEMPORARY
EXISTING GROUND
PHASE 1
PHASE 2A
PHASE 2B
PHASE 3
PHASE 4A
PHASE 5
PHASE 6
PHASE 7

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025



47+00.00



46+69.50

3/28/2025 9:34:41 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

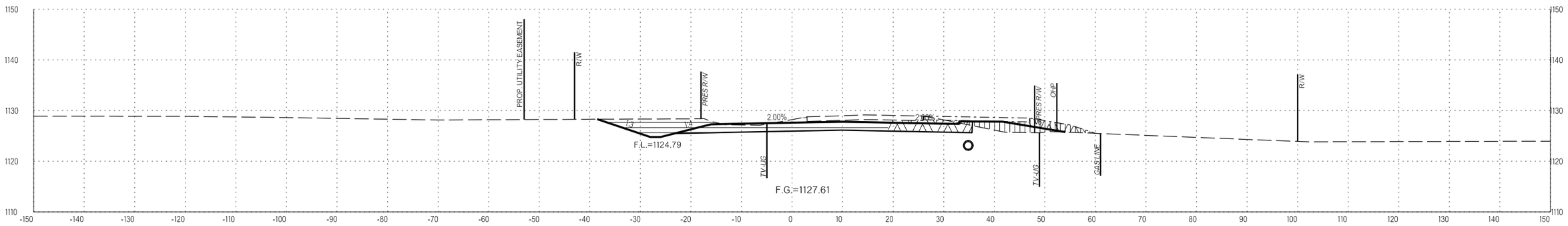
WATERLOO
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X043

LEGEND
SURVEYED SURFACE
DEVELOPMENT SURFACE*

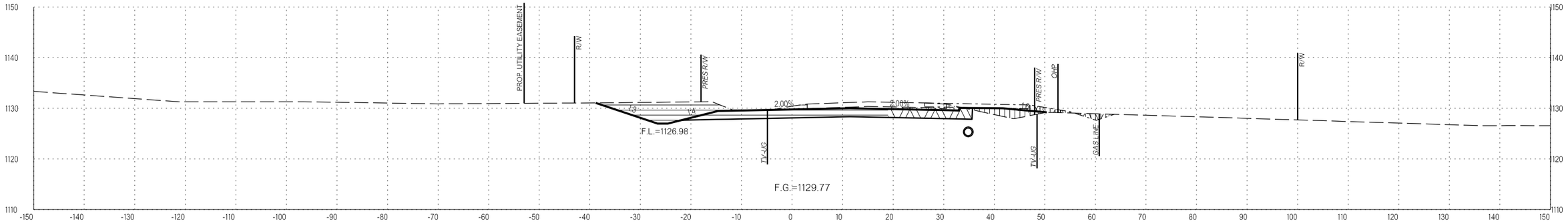
*THE DEVELOPMENT SURFACE IS A DESIGN GRADING SURFACE THAT WAS RECEIVED FROM THE LAND DEVELOPER FOR THE PROPERTY THAT IS UNDER CONSTRUCTION ON THE NORTH SIDE OF WATERLOO APPROX. STATION 40+10.00 TO 63+00.00. FIELD VERIFICATION OF THE DEVELOPMENT SURFACE HAS NOT BEEN PERFORMED, ACTUAL GRADING SURFACE CONSTRUCTED IN FIELD MAY VARY FROM THAT SHOWN IN THESE PLANS.

LEGEND
PROPOSED
TEMPORARY
EXISTING GROUND
PHASE 1
PHASE 2A
PHASE 2B
PHASE 3
PHASE 4A
PHASE 5
PHASE 6
PHASE 7

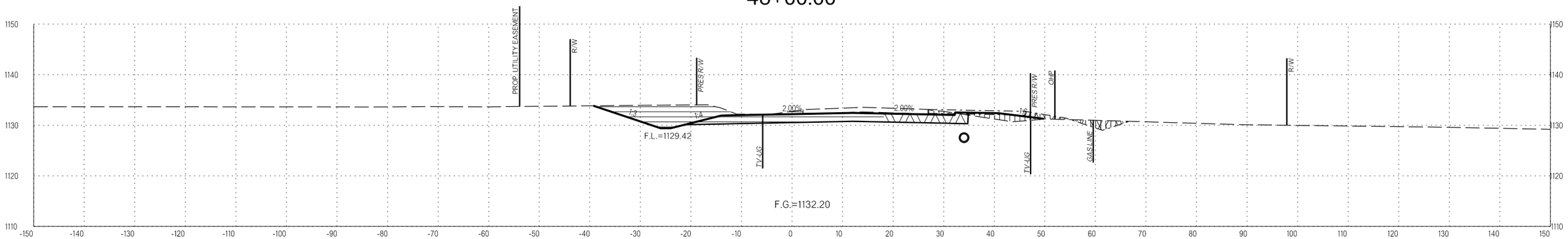
OKLAHOMA DEPARTMENT OF TRANSPORTATION
FINAL FIELD MEETING
3/28/2025



48+50.00



48+00.00



47+50.00

3/28/2025 9:34:43 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

WATERLOO
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO X044

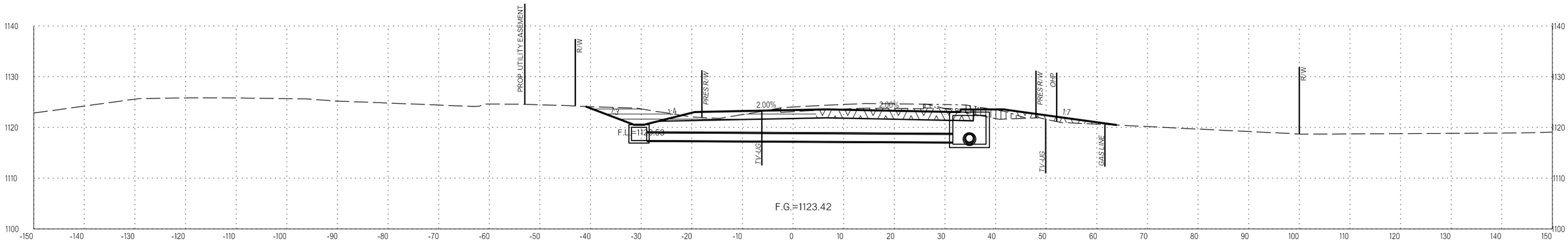
LEGEND
SURVEYED SURFACE
DEVELOPMENT SURFACE*

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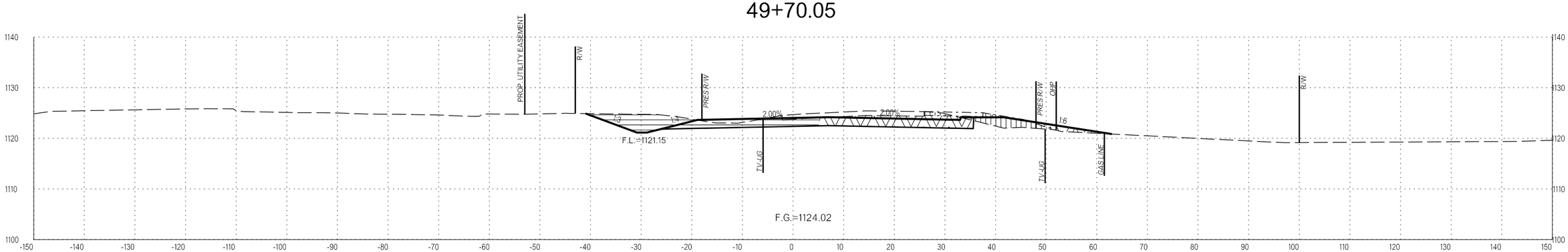
LEGEND		
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7

OKLAHOMA DEPARTMENT OF TRANSPORTATION

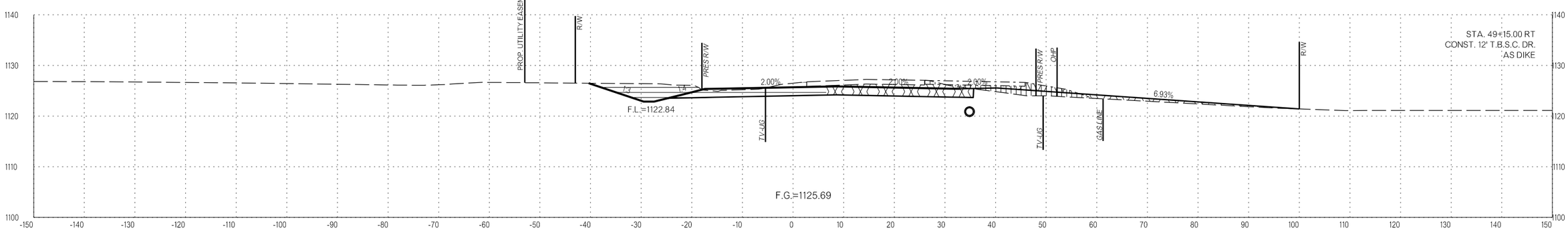
FINAL FIELD MEETING
3/28/2025



49+70.05



49+50.00



49+00.00

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WATERLOO

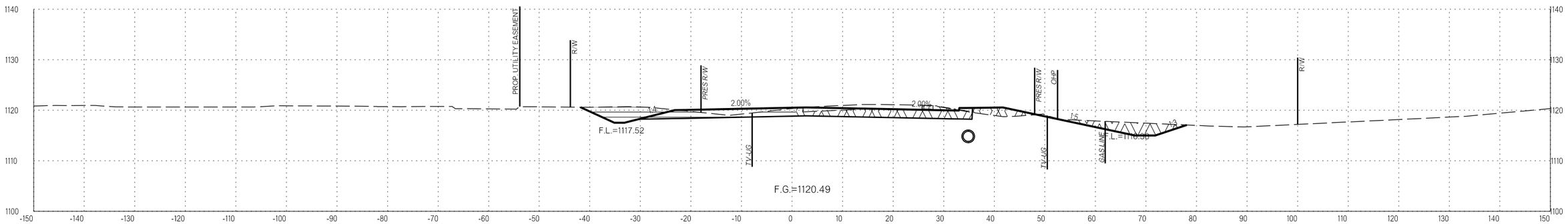
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X045

LEGEND
SURVEYED SURFACE
DEVELOPMENT SURFACE*

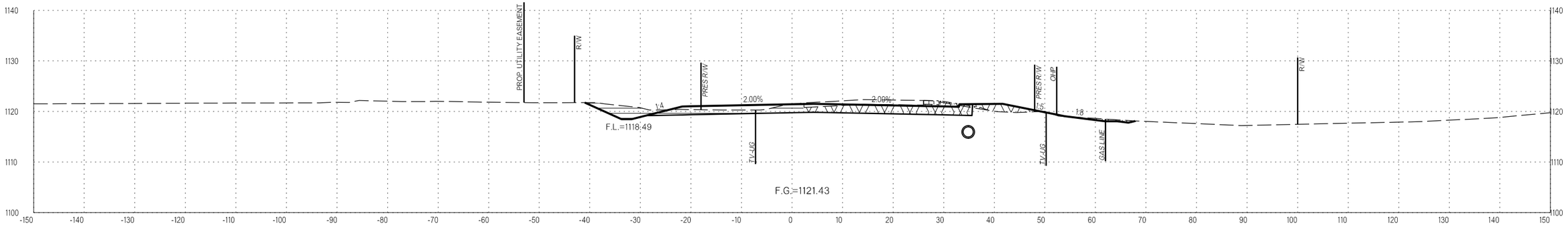
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LEGEND
PROPOSED
TEMPORARY
EXISTING GROUND
PHASE 1
PHASE 2A
PHASE 2B
PHASE 3
PHASE 4A
PHASE 5
PHASE 6
PHASE 7

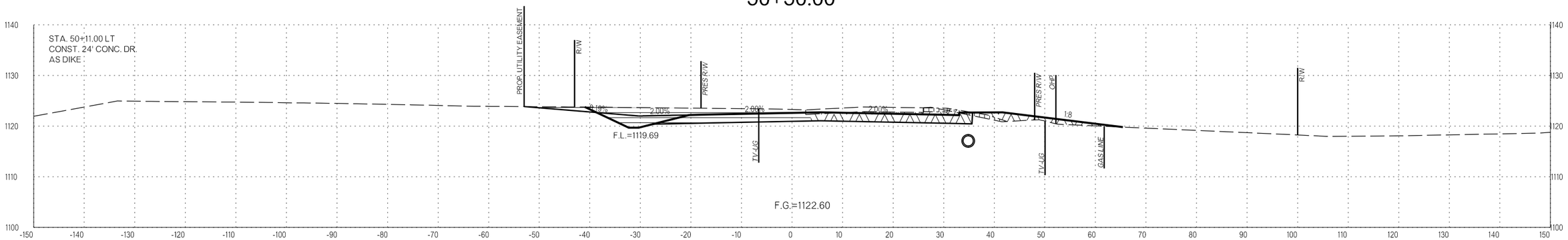
OKLAHOMA DEPARTMENT OF TRANSPORTATION
FINAL FIELD MEETING
3/28/2025



51+00.00



50+50.00



50+00.00

3/28/2025 9:34:46 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

WATERLOO
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X046

LEGEND
SURVEYED SURFACE
DEVELOPMENT SURFACE*

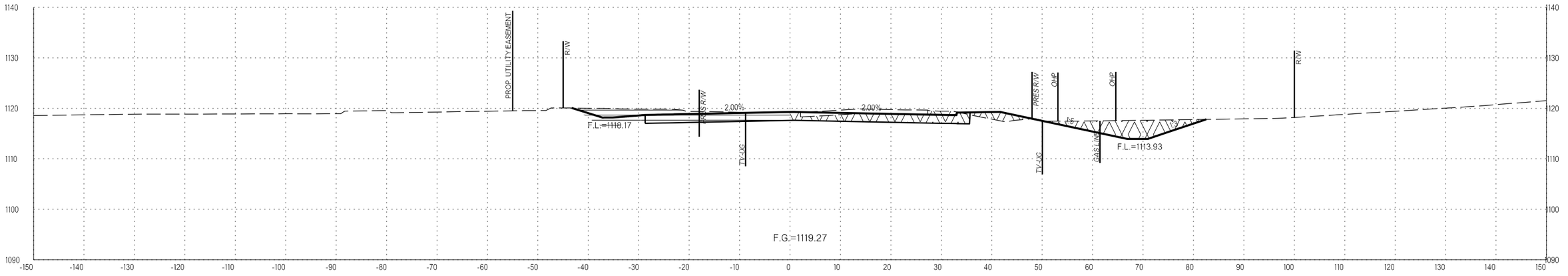
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LEGEND

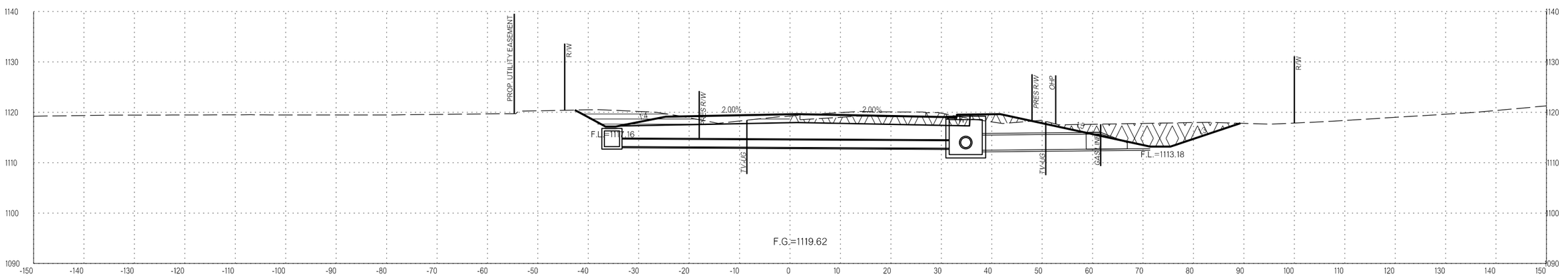
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025



51+70.05



51+50.00

WATERLOO

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO X047

3/28/2025 9:34:47 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

LEGEND
SURVEYED SURFACE
DEVELOPMENT SURFACE*

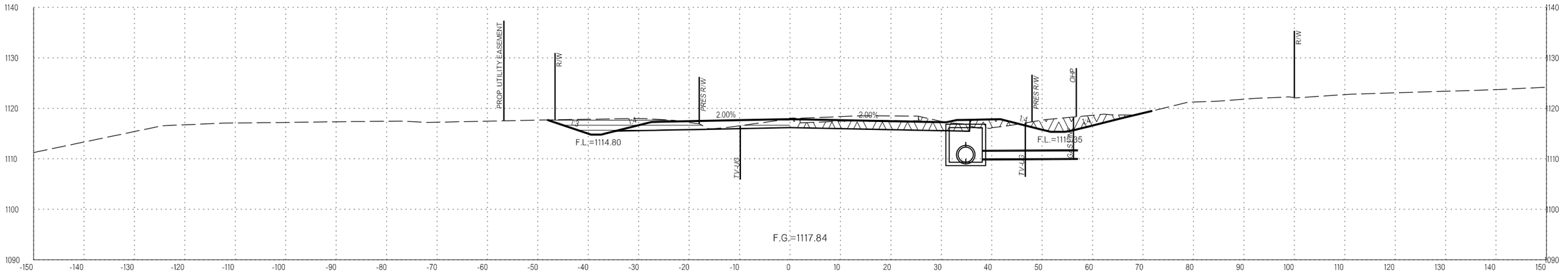
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LEGEND

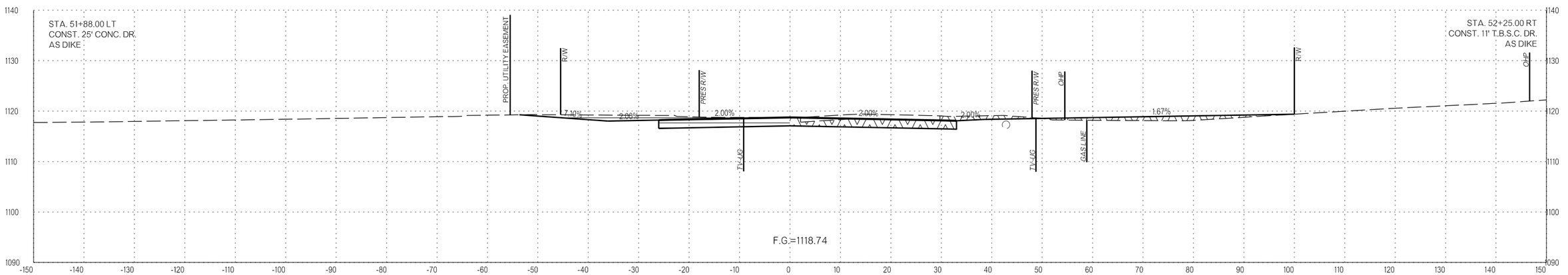
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025



52+50.00



52+00.00

WATERLOO

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X048

3/28/2025 9:34:49 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

LEGEND
SURVEYED SURFACE
DEVELOPMENT SURFACE*

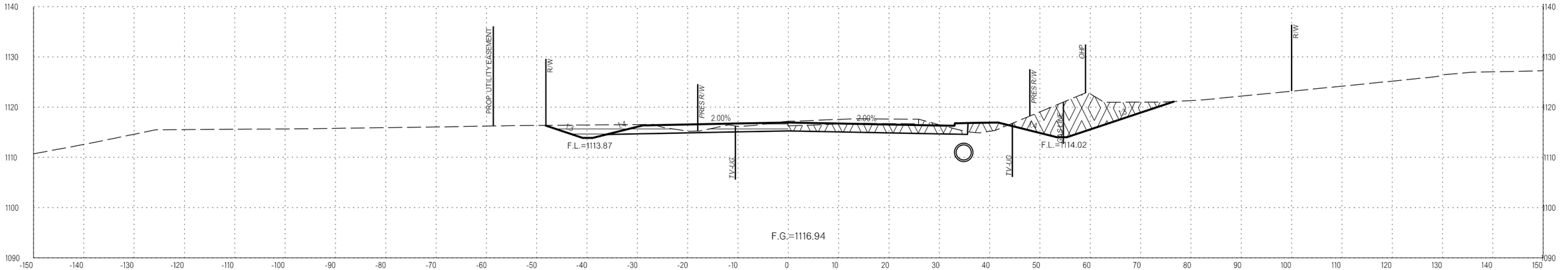
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LEGEND

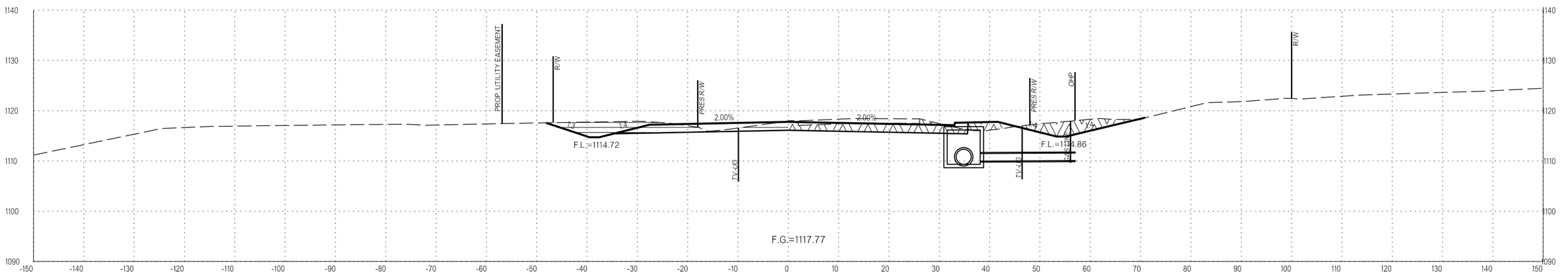
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025



53+00.00



52+54.14

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WATERLOO

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X049

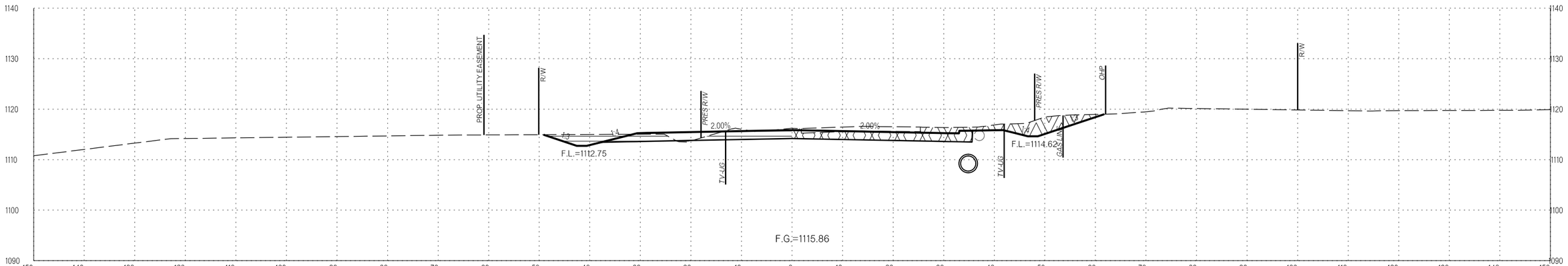
LEGEND
SURVEYED SURFACE
DEVELOPMENT SURFACE*

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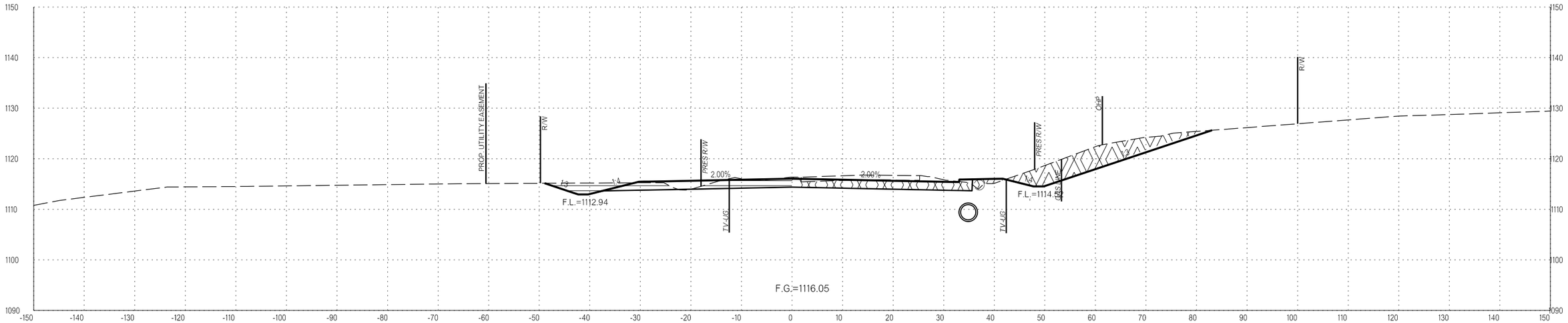
LEGEND
PROPOSED
TEMPORARY
EXISTING GROUND
PHASE 1
PHASE 2A
PHASE 2B
PHASE 3
PHASE 4A
PHASE 5
PHASE 6
PHASE 7

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025



53+60.05



53+50.00

WATERLOO
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X050

3/28/2025 9:34:52 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

LEGEND

SURVEYED SURFACE

DEVELOPMENT SURFACE*

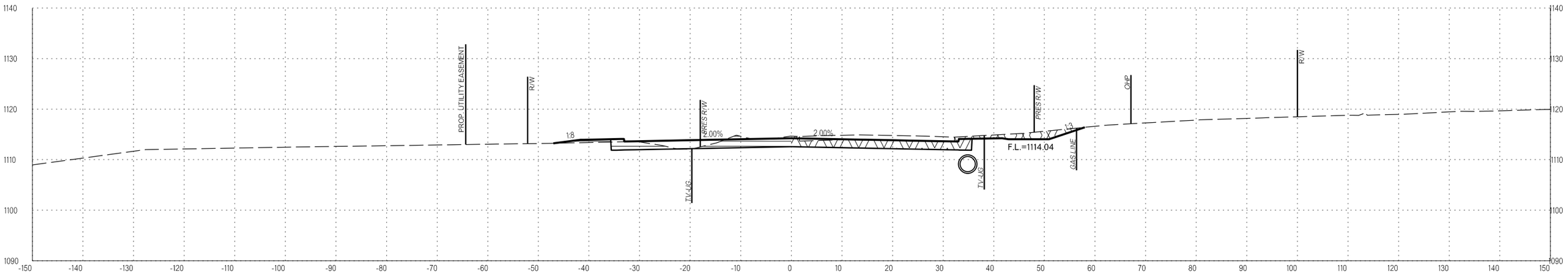
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LEGEND		
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7

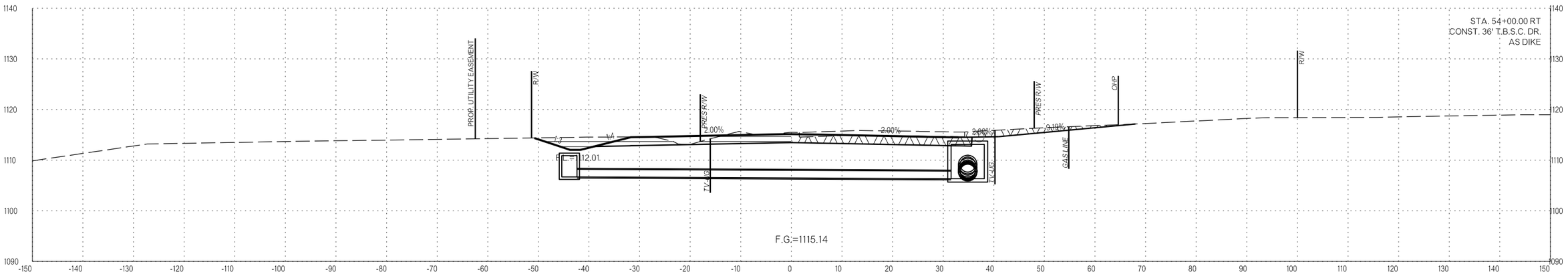
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025



54+50.00



54+00.00

3/28/2025 9:34:53 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

WATERLOO

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X051

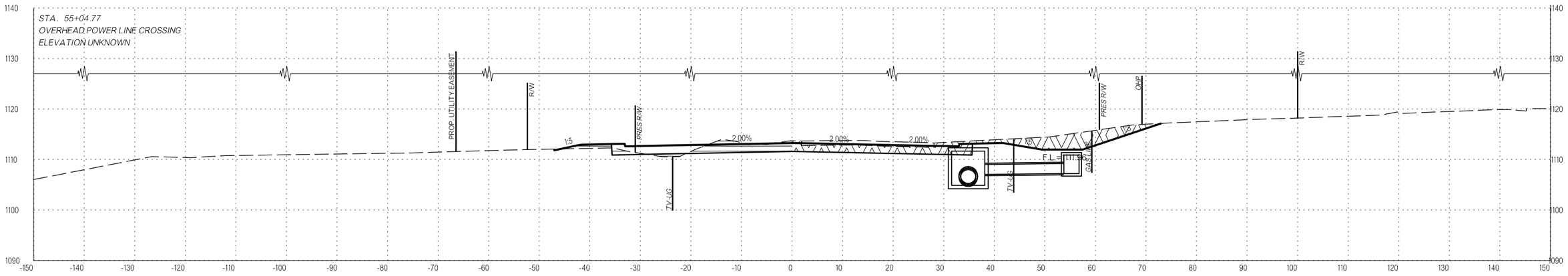
LEGEND
SURVEYED SURFACE
DEVELOPMENT SURFACE*

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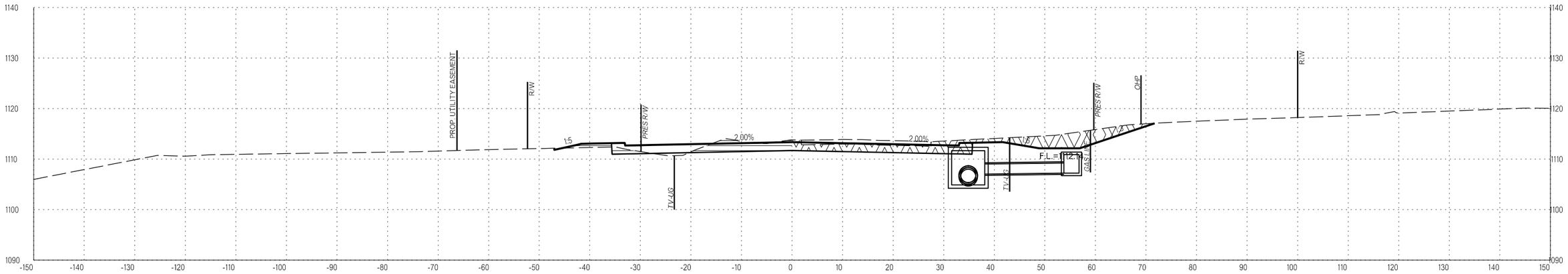
LEGEND
PROPOSED
TEMPORARY
EXISTING GROUND
PHASE 1
PHASE 2A
PHASE 2B
PHASE 3
PHASE 4A
PHASE 5
PHASE 6
PHASE 7

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025



55+04.77



55+00.00

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WATERLOO

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X052

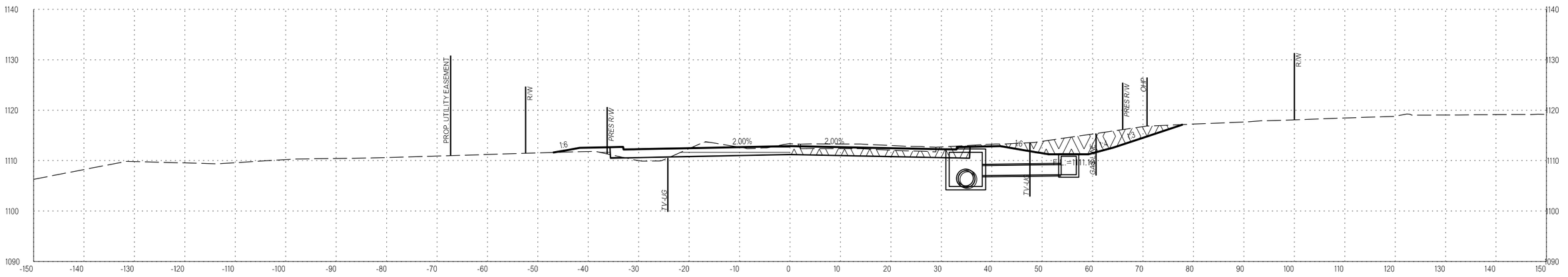
LEGEND
SURVEYED SURFACE
DEVELOPMENT SURFACE*

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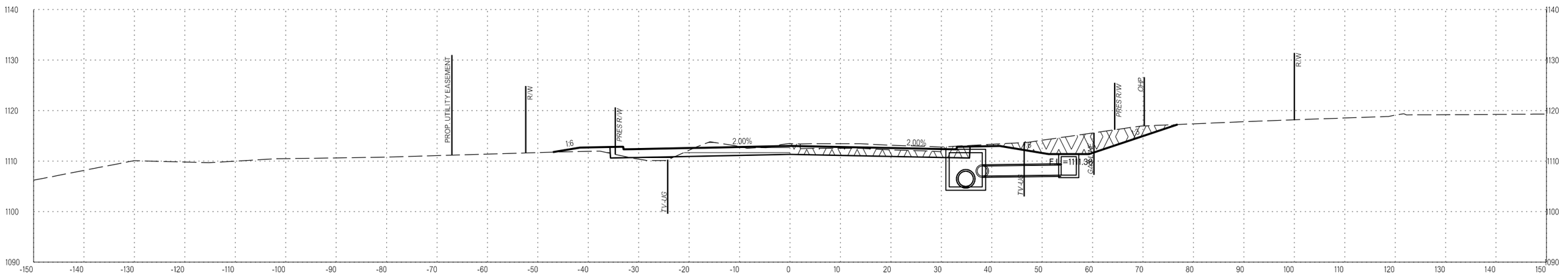
LEGEND
PROPOSED
TEMPORARY
EXISTING GROUND
PHASE 1
PHASE 2A
PHASE 2B
PHASE 3
PHASE 4A
PHASE 5
PHASE 6
PHASE 7

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025



55+26.74



55+20.00

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3/28/2025 9:34:56 AM

WATERLOO

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO X053

LEGEND
SURVEYED SURFACE
DEVELOPMENT SURFACE*

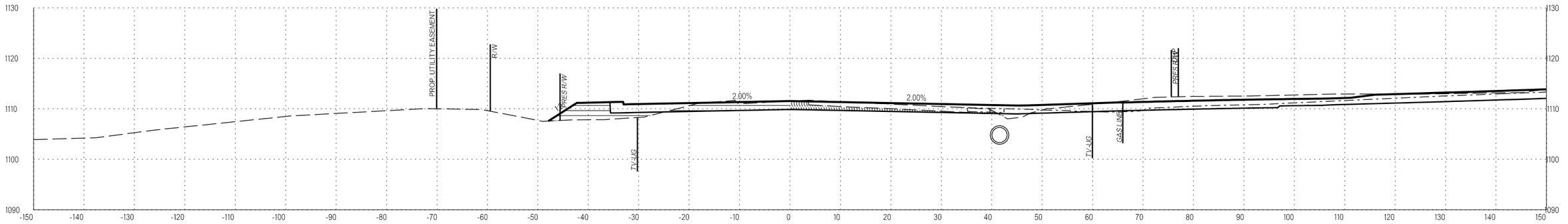
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LEGEND

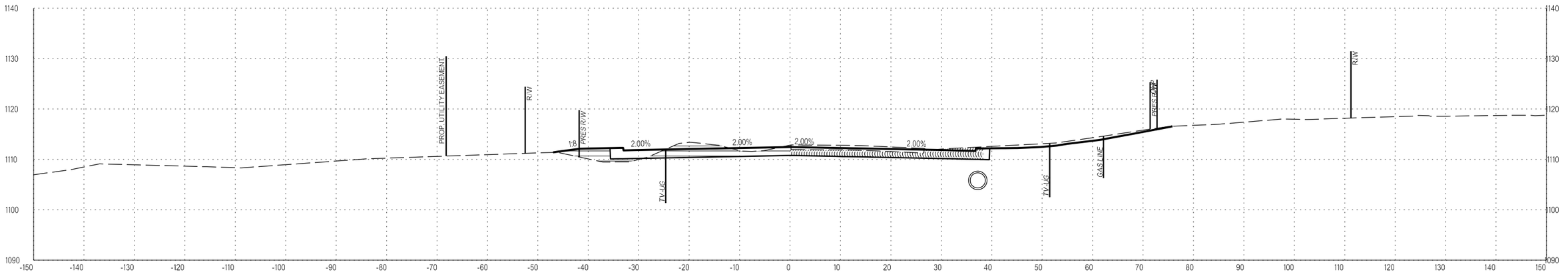
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025



56+00.00



55+50.00

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3/28/2025 9:34:58 AM

WATERLOO

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO X054

LEGEND
SURVEYED SURFACE
DEVELOPMENT SURFACE*

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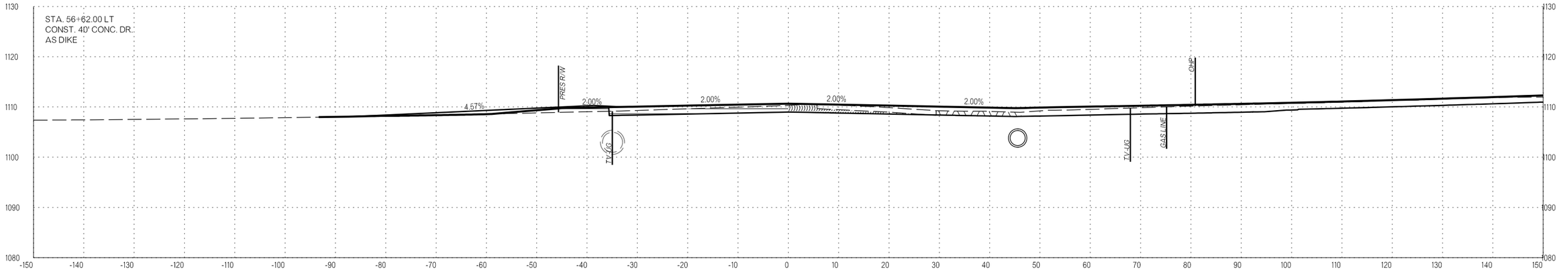
LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7

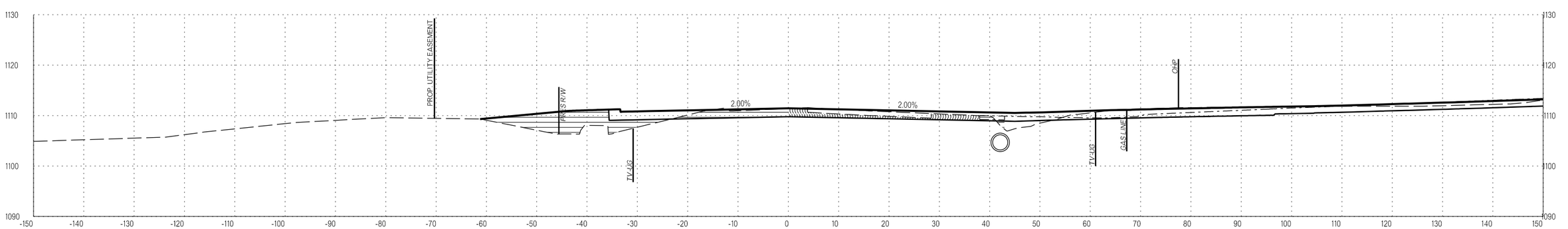
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025



56+50.00



56+06.47

3/28/2025 9:34:59 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

WATERLOO

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X055

LEGEND

SURVEYED SURFACE

DEVELOPMENT SURFACE*

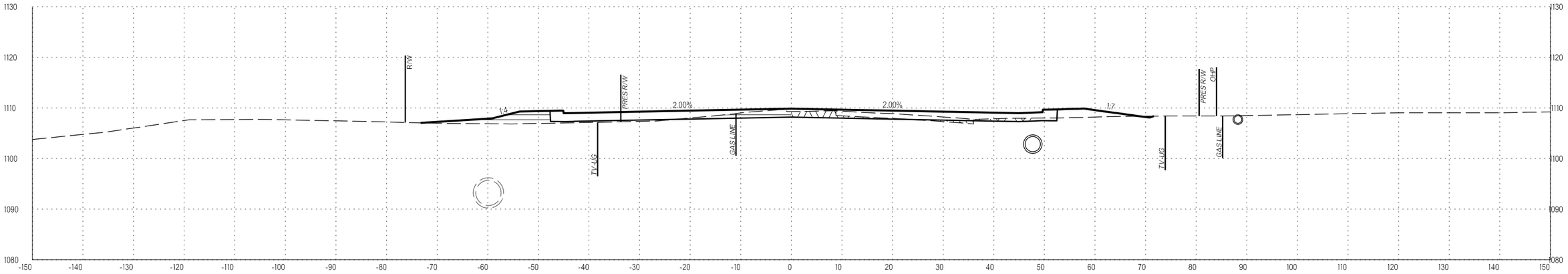
*THE DEVELOPMENT SURFACE IS A DESIGN GRADING SURFACE THAT WAS RECEIVED FROM THE LAND DEVELOPER FOR THE PROPERTY THAT IS UNDER CONSTRUCTION ON THE NORTH SIDE OF WATERLOO APPROX. STATION 40+10.00 TO 63+00.00. FIELD VERIFICATION OF THE DEVELOPMENT SURFACE HAS NOT BEEN PERFORMED, ACTUAL GRADING SURFACE CONSTRUCTED IN FIELD MAY VARY FROM THAT SHOWN IN THESE PLANS.

LEGEND		
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7

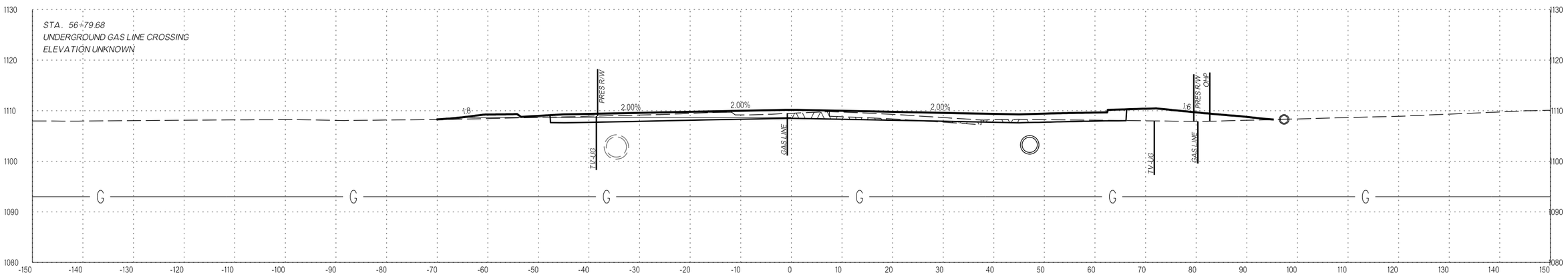
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025



57+00.00



56+79.68

3/28/2025 9:35:00 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

WATERLOO

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO X056

LEGEND
SURVEYED SURFACE
DEVELOPMENT SURFACE*

*THE DEVELOPMENT SURFACE IS A DESIGN GRADING SURFACE THAT WAS RECEIVED FROM THE LAND DEVELOPER FOR THE PROPERTY THAT IS UNDER CONSTRUCTION ON THE NORTH SIDE OF WATERLOO APPROX. STATION 40+10.00 TO 63+00.00. FIELD VERIFICATION OF THE DEVELOPMENT SURFACE HAS NOT BEEN PERFORMED, ACTUAL GRADING SURFACE CONSTRUCTED IN FIELD MAY VARY FROM THAT SHOWN IN THESE PLANS.

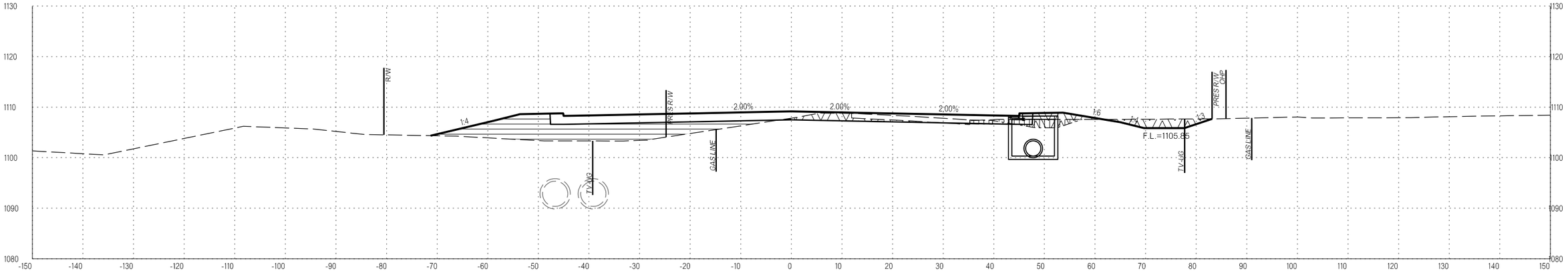
LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7

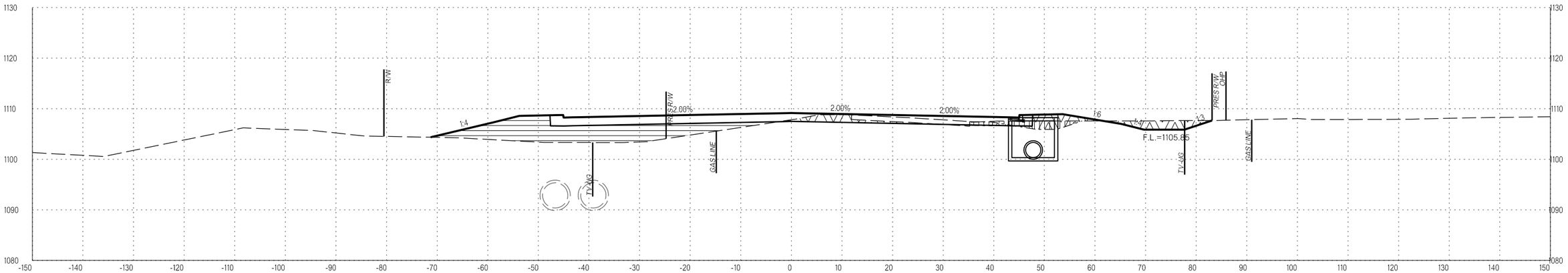
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025



57+50.00



57+49.94

L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn
3/28/2025 9:35:02 AM

WATERLOO

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X057

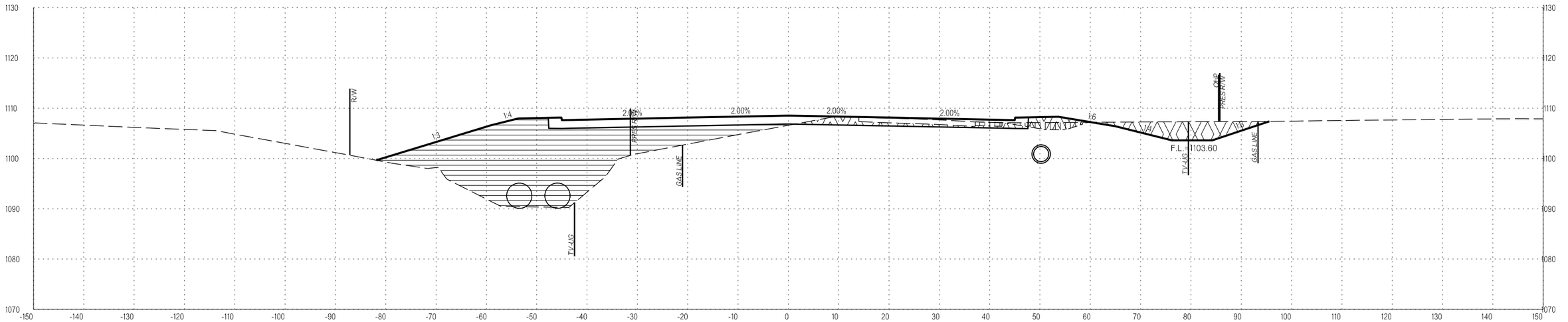
LEGEND
SURVEYED SURFACE
DEVELOPMENT SURFACE*

*THE DEVELOPMENT SURFACE IS A DESIGN GRADING SURFACE THAT WAS RECEIVED FROM THE LAND DEVELOPER FOR THE PROPERTY THAT IS UNDER CONSTRUCTION ON THE NORTH SIDE OF WATERLOO APPROX. STATION 40+10.00 TO 63+00.00. FIELD VERIFICATION OF THE DEVELOPMENT SURFACE HAS NOT BEEN PERFORMED, ACTUAL GRADING SURFACE CONSTRUCTED IN FIELD MAY VARY FROM THAT SHOWN IN THESE PLANS.

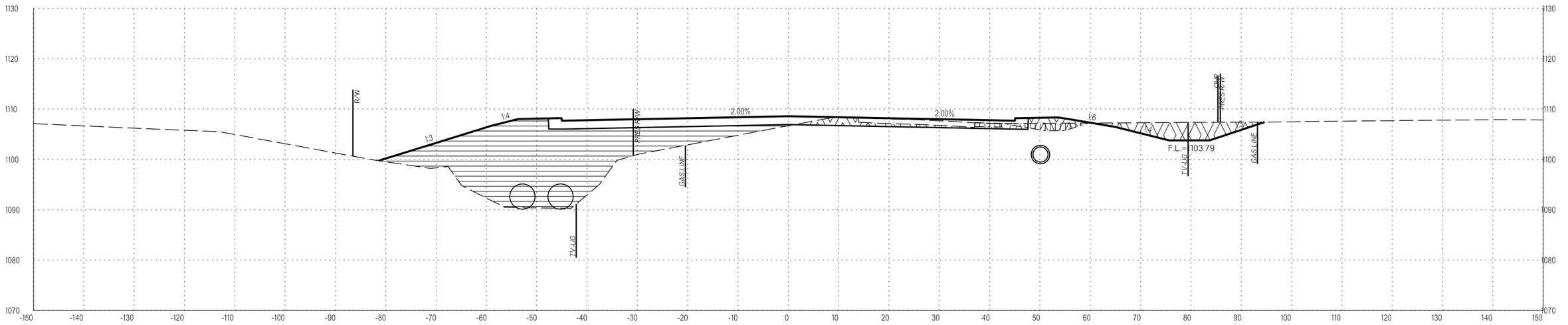
LEGEND		
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025



58+00.00



57+96.07

3/28/2025 9:35:03 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

WATERLOO

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X058

LEGEND
SURVEYED SURFACE
DEVELOPMENT SURFACE*

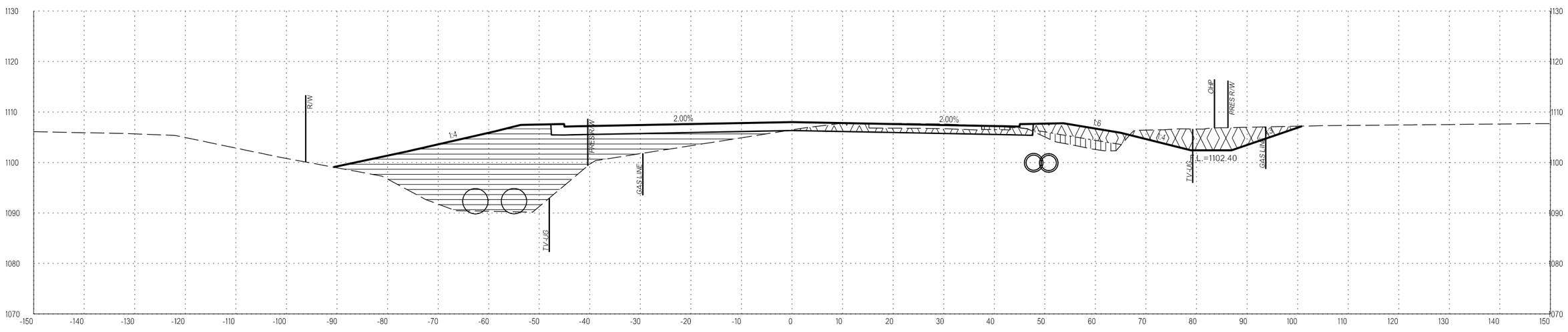
*THE DEVELOPMENT SURFACE IS A DESIGN GRADING SURFACE THAT WAS RECEIVED FROM THE LAND DEVELOPER FOR THE PROPERTY THAT IS UNDER CONSTRUCTION ON THE NORTH SIDE OF WATERLOO APPROX. STATION 40+10.00 TO 63+00.00. FIELD VERIFICATION OF THE DEVELOPMENT SURFACE HAS NOT BEEN PERFORMED, ACTUAL GRADING SURFACE CONSTRUCTED IN FIELD MAY VARY FROM THAT SHOWN IN THESE PLANS.

LEGEND		
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7

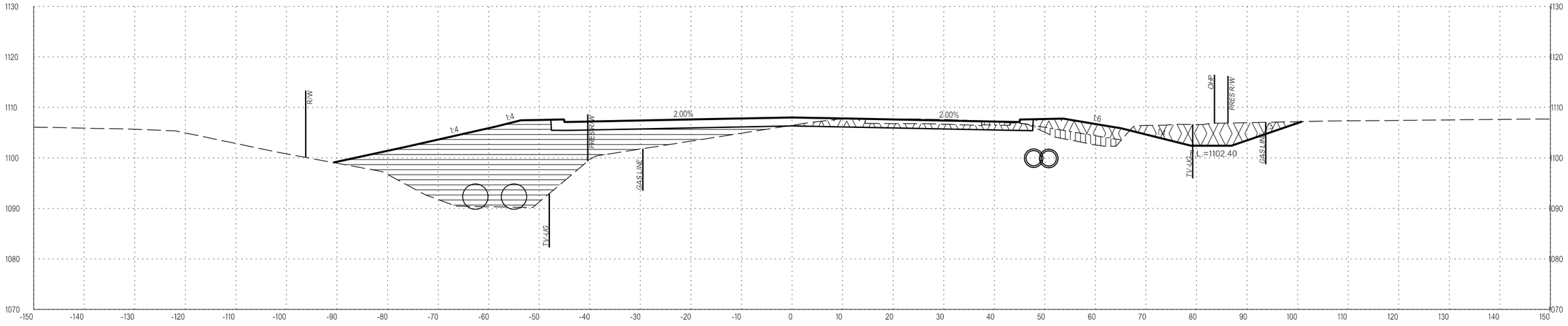
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025



58+50.00



58+50.00

3/28/2025 9:35:05 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

WATERLOO

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X059

LEGEND
SURVEYED SURFACE
DEVELOPMENT SURFACE*

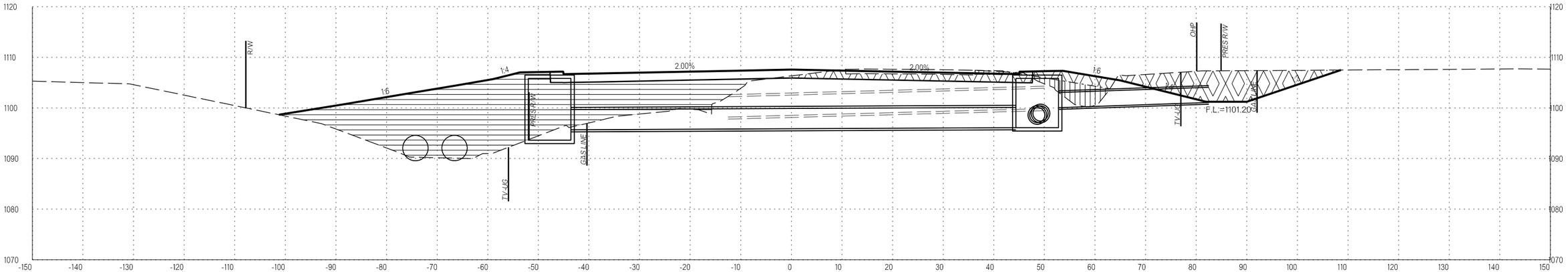
*THE DEVELOPMENT SURFACE IS A DESIGN GRADING SURFACE THAT WAS RECEIVED FROM THE LAND DEVELOPER FOR THE PROPERTY THAT IS UNDER CONSTRUCTION ON THE NORTH SIDE OF WATERLOO APPROX. STATION 40+10.00 TO 63+00.00. FIELD VERIFICATION OF THE DEVELOPMENT SURFACE HAS NOT BEEN PERFORMED, ACTUAL GRADING SURFACE CONSTRUCTED IN FIELD MAY VARY FROM THAT SHOWN IN THESE PLANS.

LEGEND

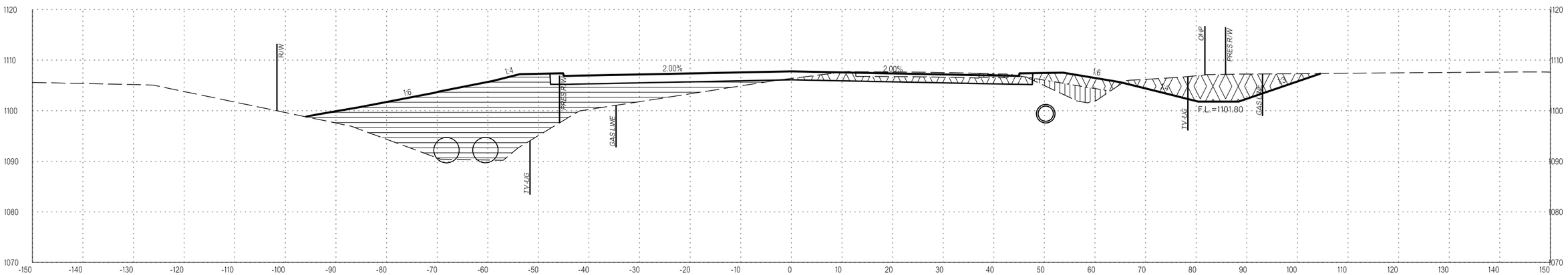
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025



59+00.00



58+75.00

3/28/2025 9:35:06 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

WATERLOO

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X060

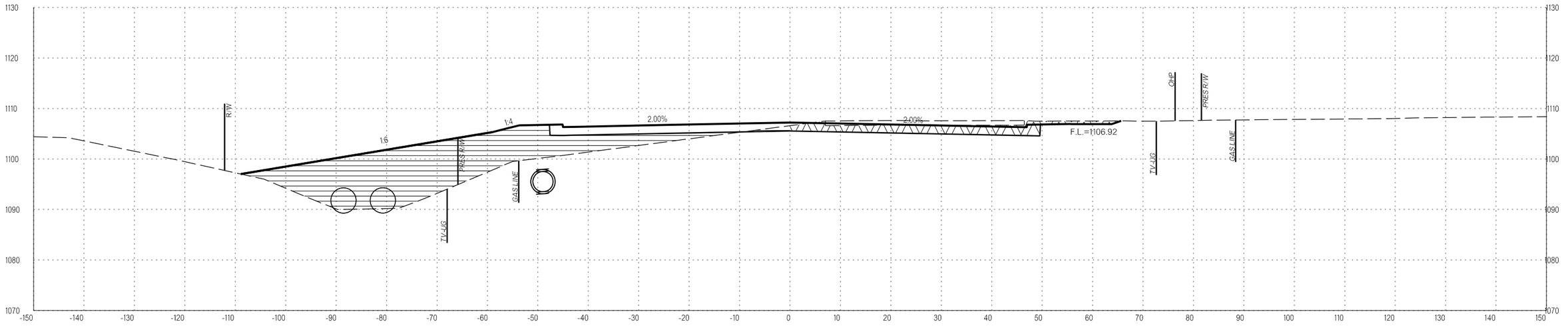
LEGEND
SURVEYED SURFACE
DEVELOPMENT SURFACE*

*THE DEVELOPMENT SURFACE IS A DESIGN GRADING SURFACE THAT WAS RECEIVED FROM THE LAND DEVELOPER FOR THE PROPERTY THAT IS UNDER CONSTRUCTION ON THE NORTH SIDE OF WATERLOO APPROX. STATION 40+10.00 TO 63+00.00. FIELD VERIFICATION OF THE DEVELOPMENT SURFACE HAS NOT BEEN PERFORMED, ACTUAL GRADING SURFACE CONSTRUCTED IN FIELD MAY VARY FROM THAT SHOWN IN THESE PLANS.

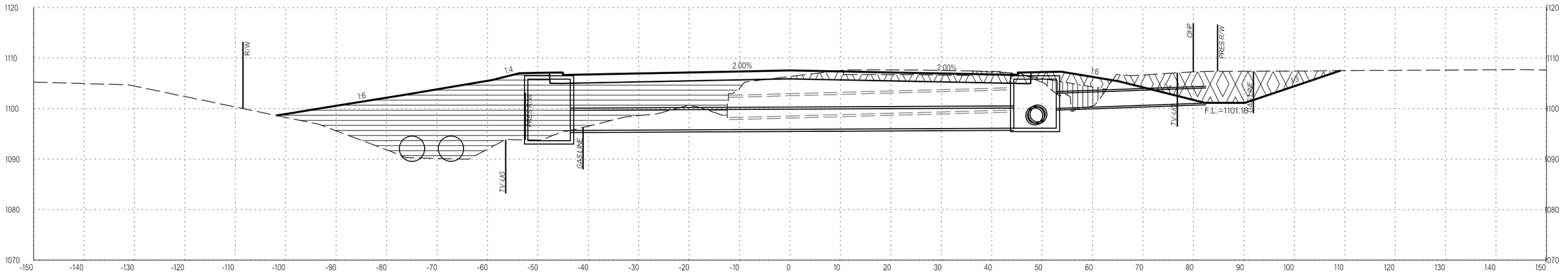
LEGEND
PROPOSED
TEMPORARY
EXISTING GROUND
PHASE 1
PHASE 2A
PHASE 2B
PHASE 3
PHASE 4A
PHASE 5
PHASE 6
PHASE 7

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025



59+50.00



59+02.58

3/28/2025 9:35:08 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

WATERLOO

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X061

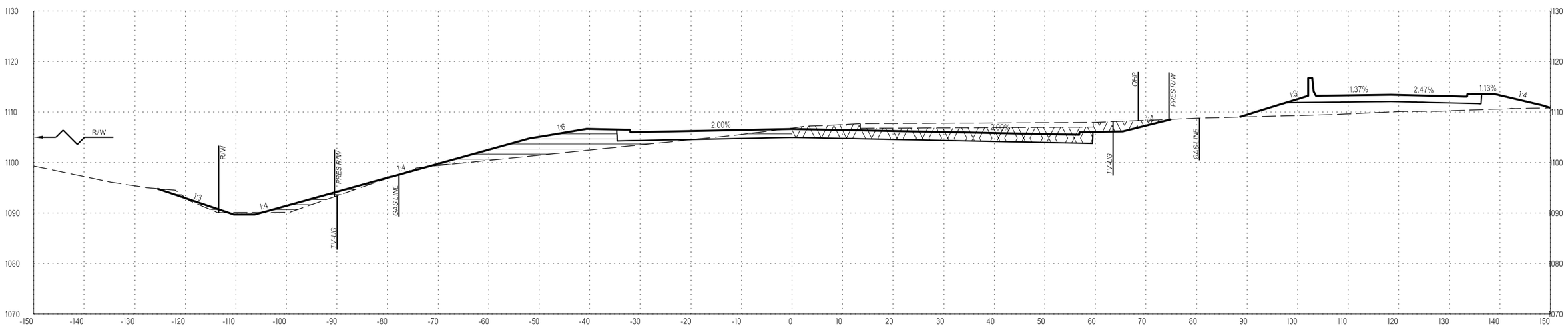
LEGEND
SURVEYED SURFACE
DEVELOPMENT SURFACE*

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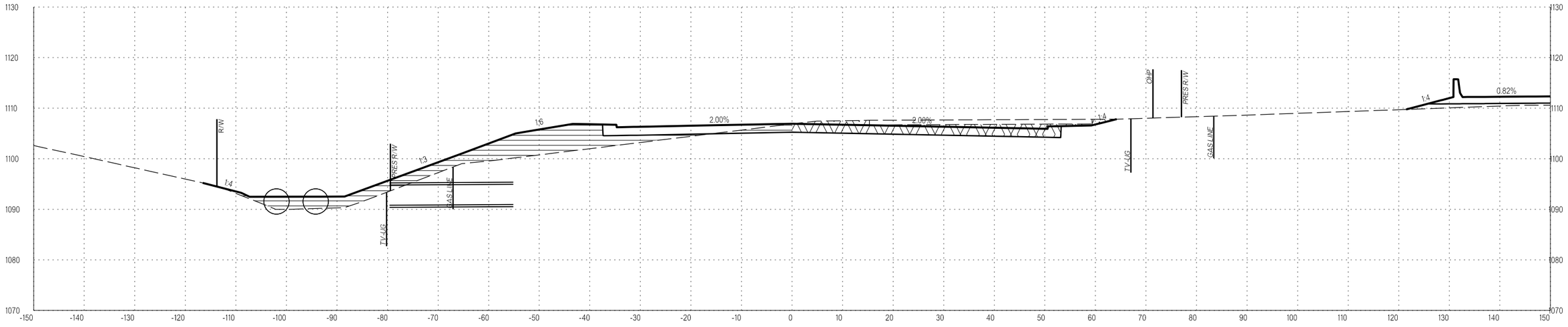
LEGEND		
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025



60+50.00



60+00.00

3/28/2025 9:35:09 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

WATERLOO

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X062

LEGEND
SURVEYED SURFACE
DEVELOPMENT SURFACE*

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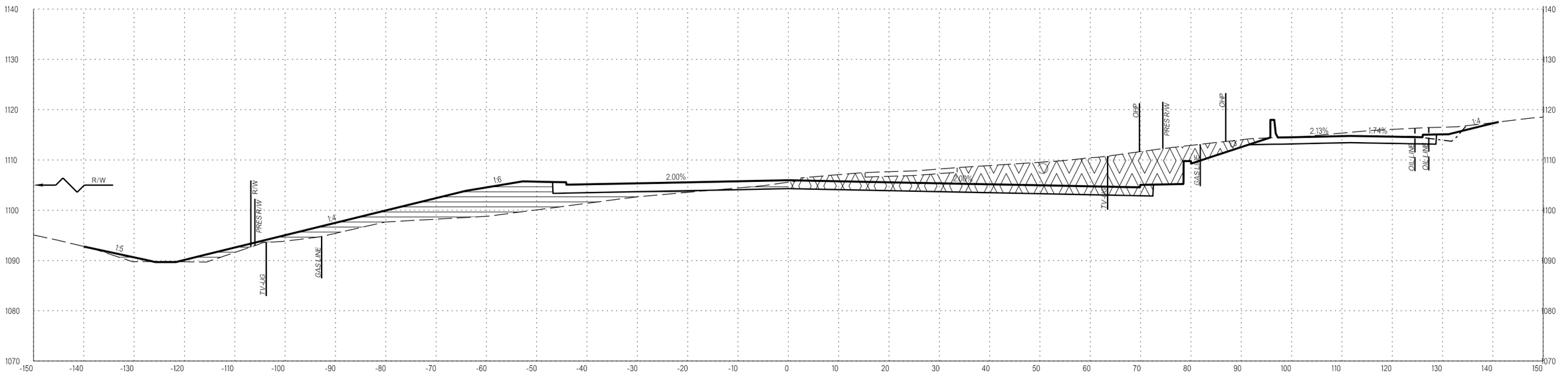
LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7

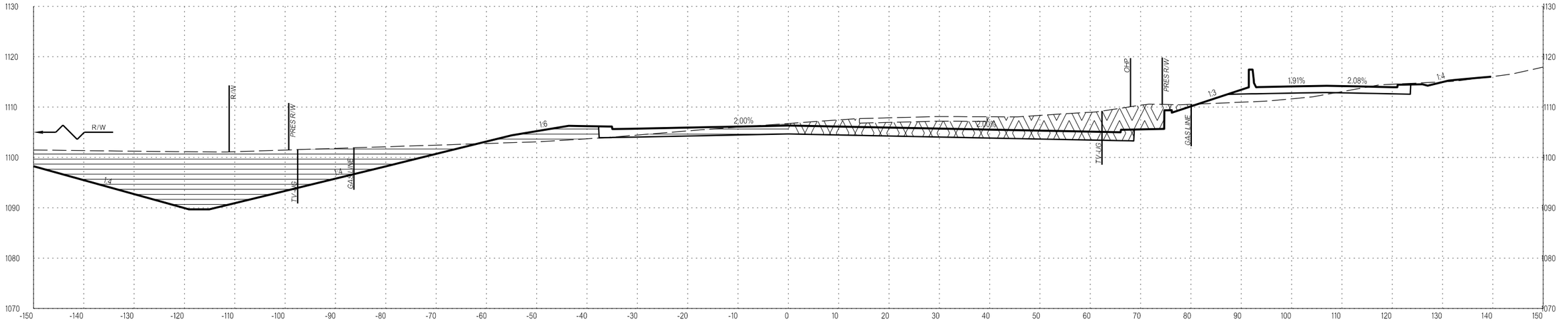
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025



61+50.00



61+00.00

3/28/2025 9:35:11 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

WATERLOO

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X063

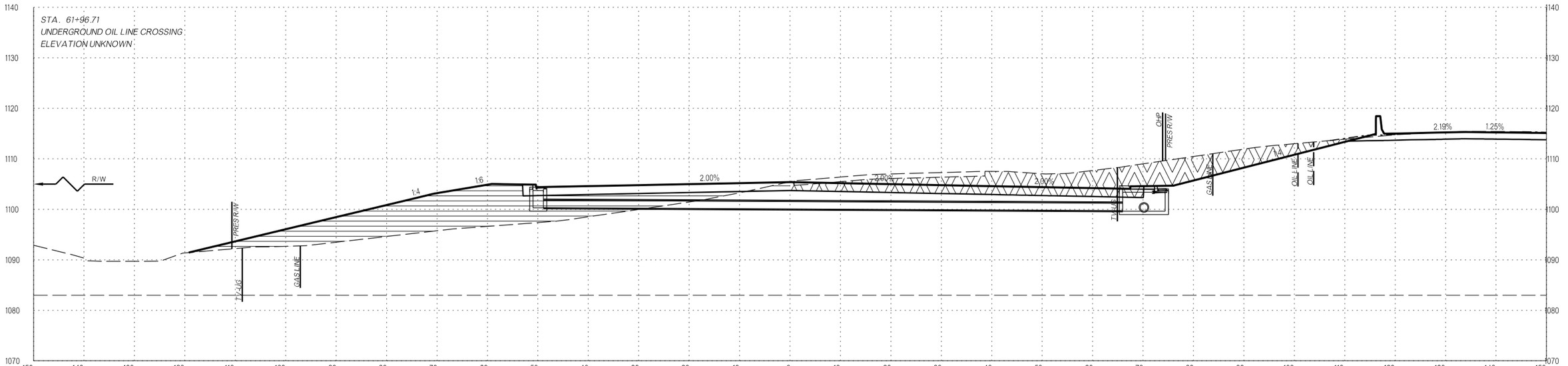
LEGEND
SURVEYED SURFACE
DEVELOPMENT SURFACE*

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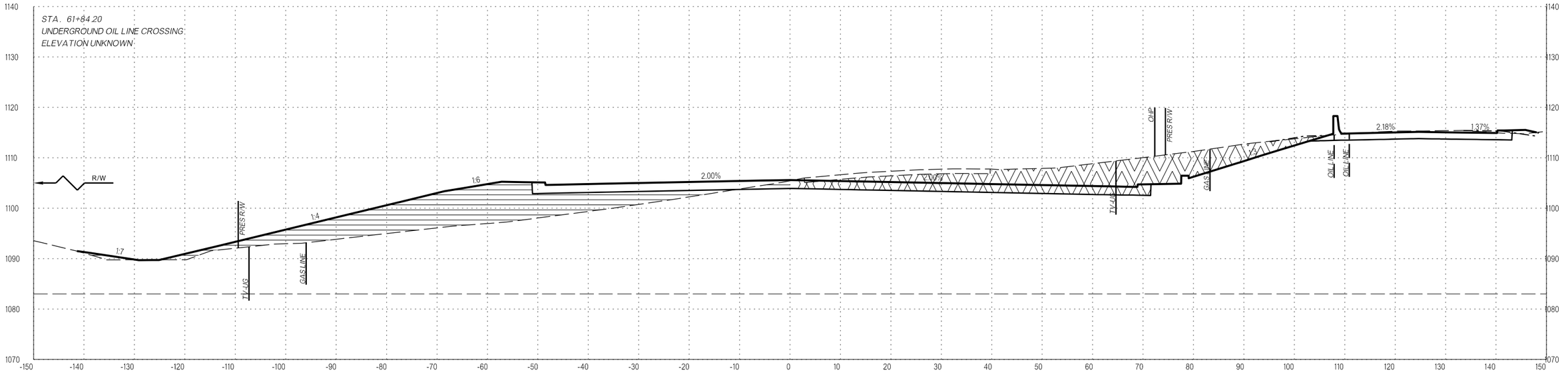
LEGEND
PROPOSED
TEMPORARY
EXISTING GROUND
PHASE 1
PHASE 2A
PHASE 2B
PHASE 3
PHASE 4A
PHASE 5
PHASE 6
PHASE 7

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025



62+00.00



61+84.20

3/28/2025 9:35:12 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

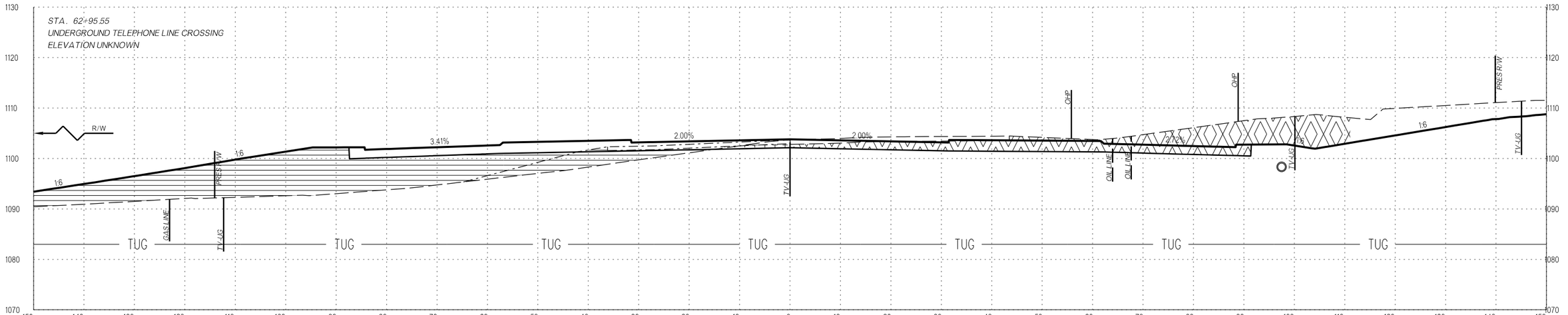
WATERLOO
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X064

LEGEND
SURVEYED SURFACE
DEVELOPMENT SURFACE*

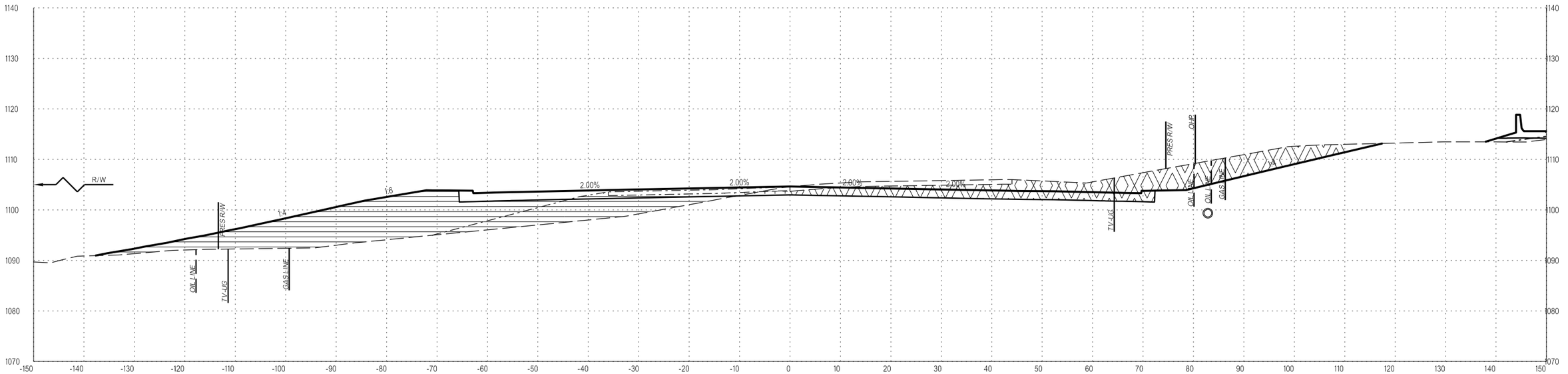
*THE DEVELOPMENT SURFACE IS A DESIGN GRADING SURFACE THAT WAS RECEIVED FROM THE LAND DEVELOPER FOR THE PROPERTY THAT IS UNDER CONSTRUCTION ON THE NORTH SIDE OF WATERLOO APPROX. STATION 40+10.00 TO 63+00.00. FIELD VERIFICATION OF THE DEVELOPMENT SURFACE HAS NOT BEEN PERFORMED, ACTUAL GRADING SURFACE CONSTRUCTED IN FIELD MAY VARY FROM THAT SHOWN IN THESE PLANS.

LEGEND
PROPOSED
TEMPORARY
EXISTING GROUND
PHASE 1
PHASE 2A
PHASE 2B
PHASE 3
PHASE 4A
PHASE 5
PHASE 6
PHASE 7

OKLAHOMA DEPARTMENT OF TRANSPORTATION
FINAL FIELD MEETING
3/28/2025



62+95.55



62+50.00

WATERLOO
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X065

3/28/2025 9:35:13 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

LEGEND
SURVEYED SURFACE
DEVELOPMENT SURFACE*

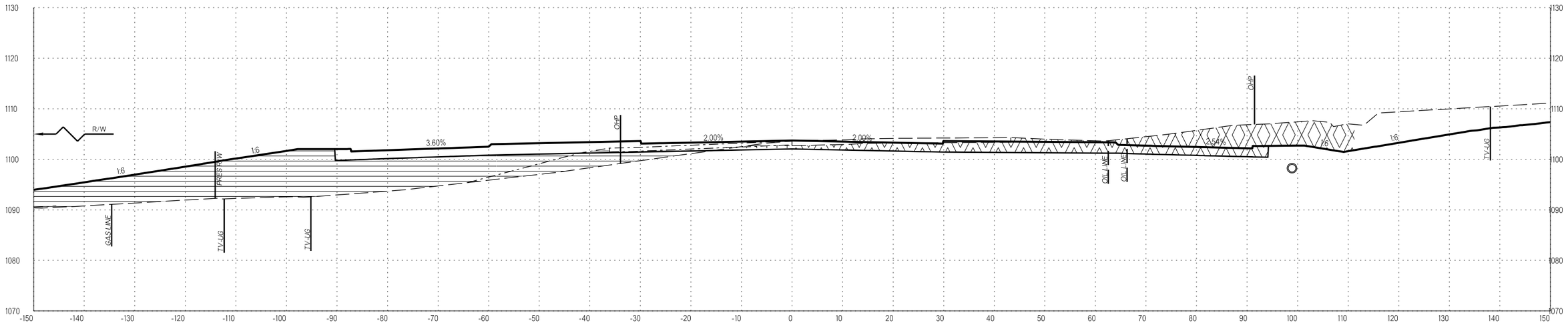
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LEGEND

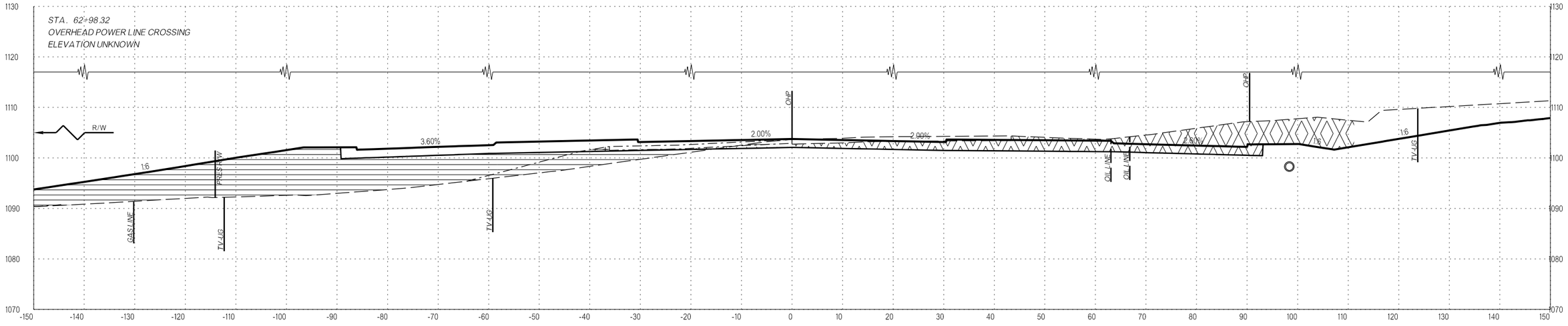
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
3/28/2025



63+00.00



62+98.32

3/28/2025 9:35:15 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

WATERLOO

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X066

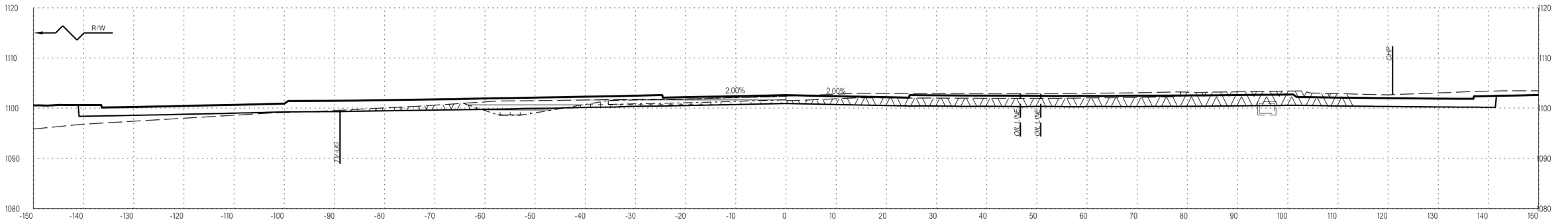
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

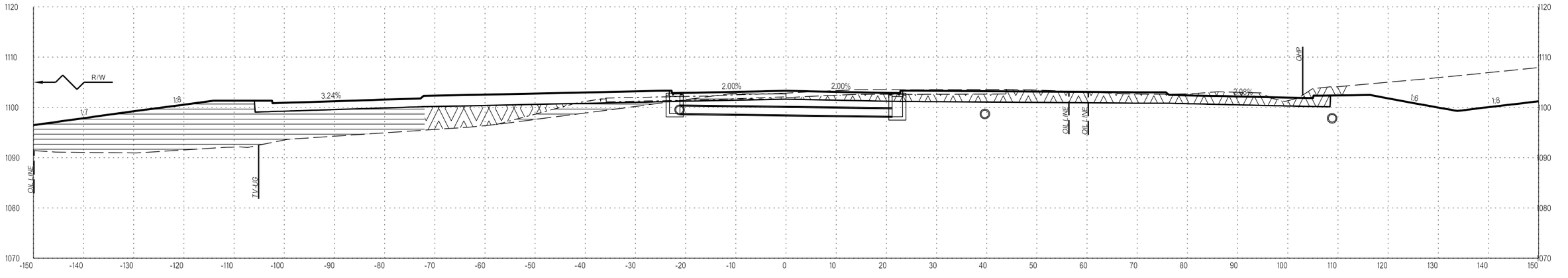
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



63+50.00



63+19.51

3/28/2025 9:35:16 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

WATERLOO

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X067

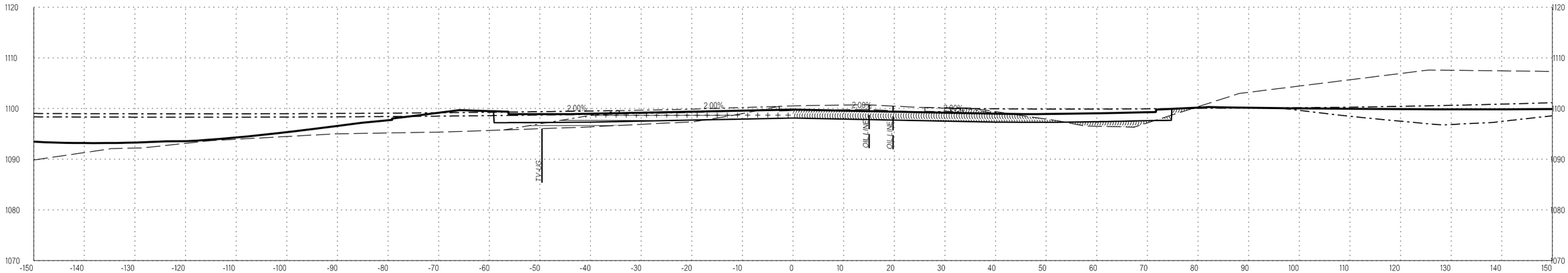
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

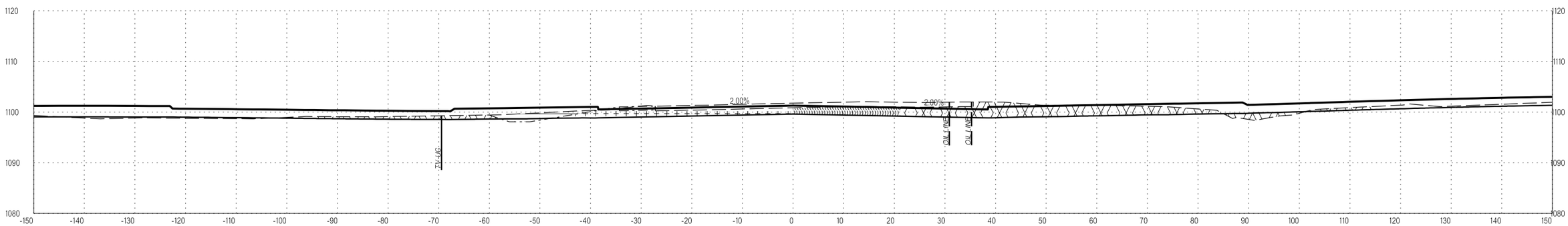
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



64+50.00



64+00.00

3/28/2025 9:35:18 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

WATERLOO

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X068

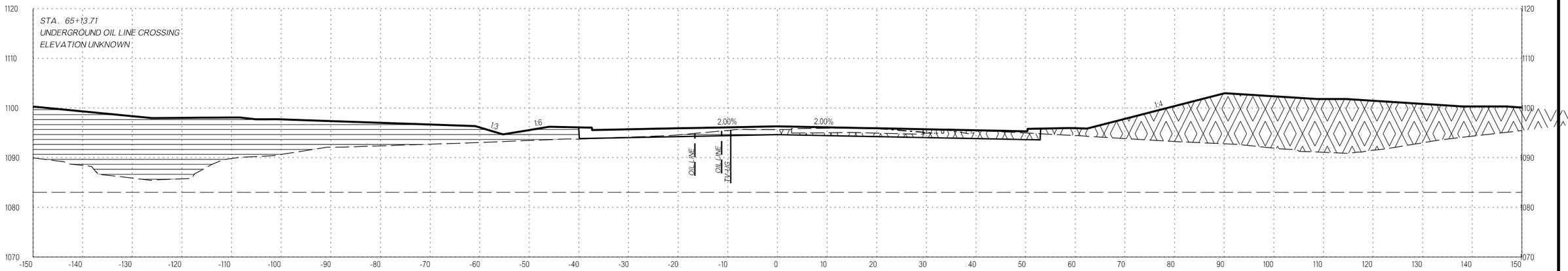
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

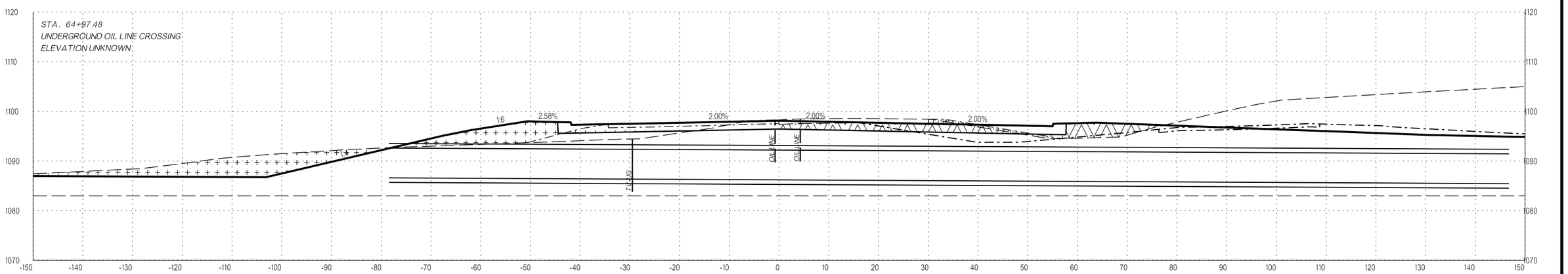
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



65+50.00



65+00.00

L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn
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WATERLOO

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO X069

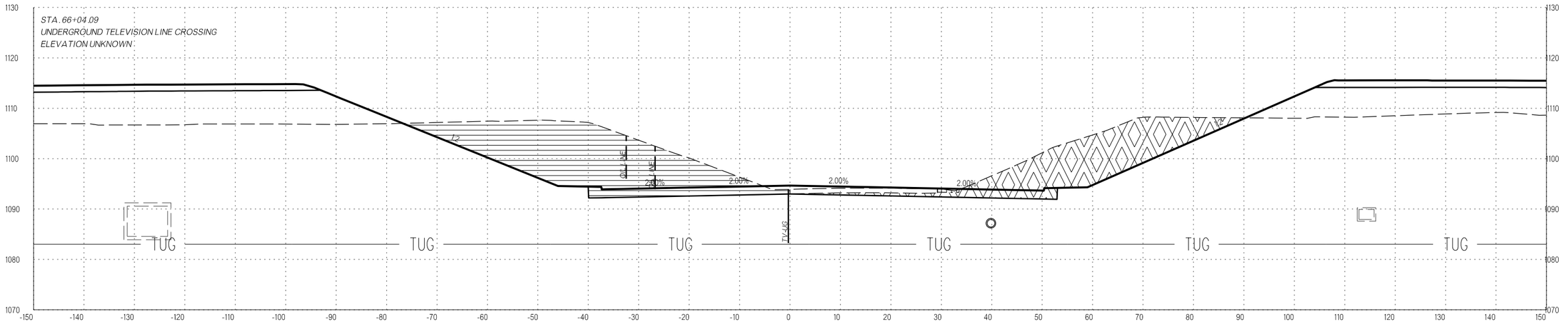
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

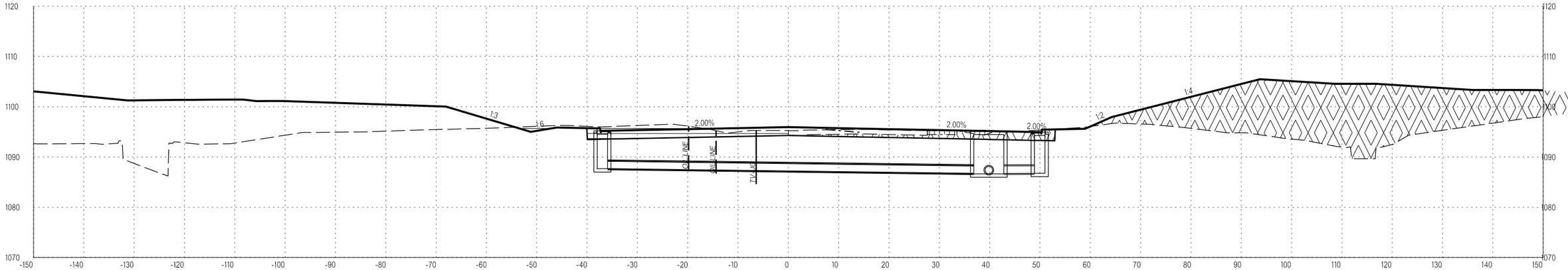
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



66+00.00



65+60.00

3/28/2025 9:35:21 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

WATERLOO

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X070

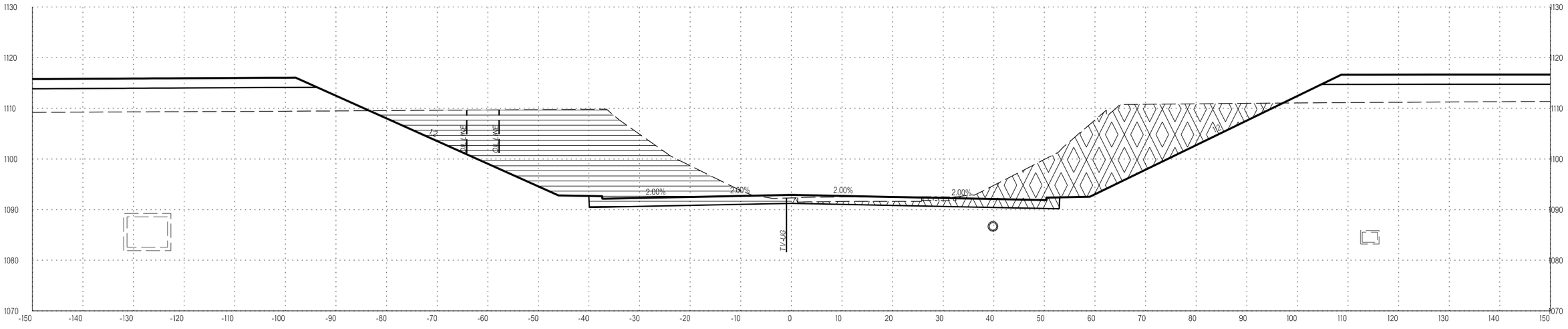
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

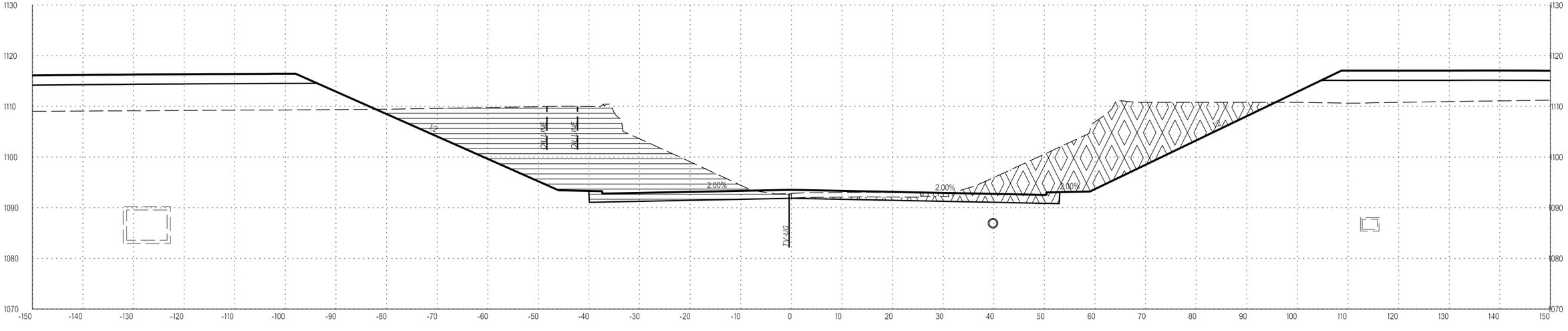
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



67+00.00



66+50.00

3/28/2025 9:35:22 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

WATERLOO

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X071

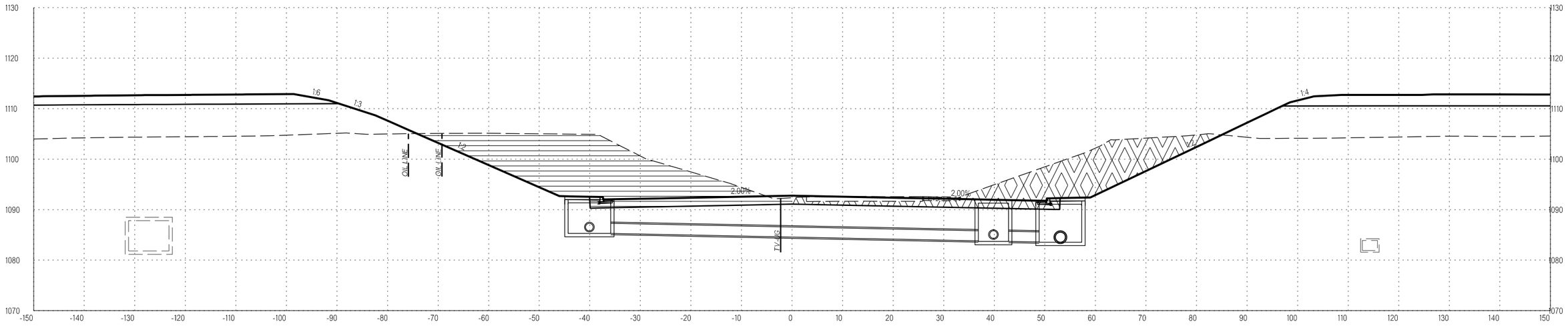
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

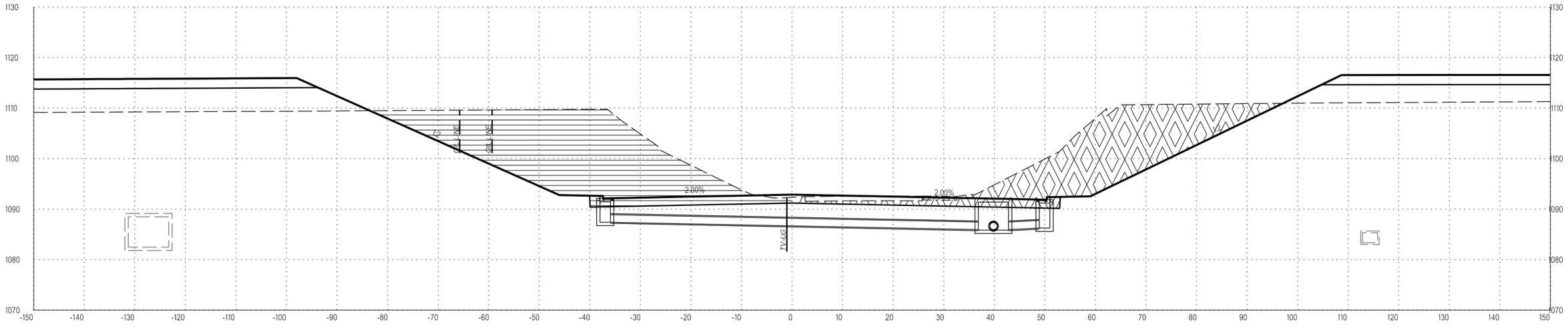
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



67+37.00



67+05.00

3/28/2025 9:35:23 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

WATERLOO

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X072

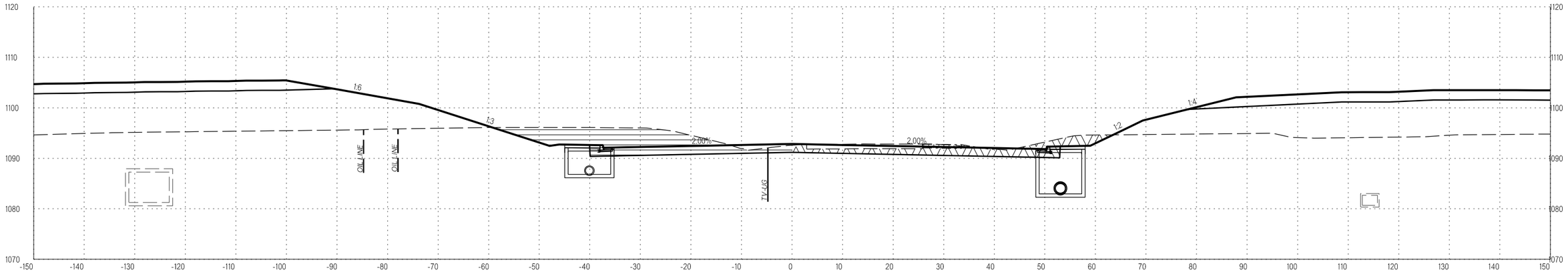
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

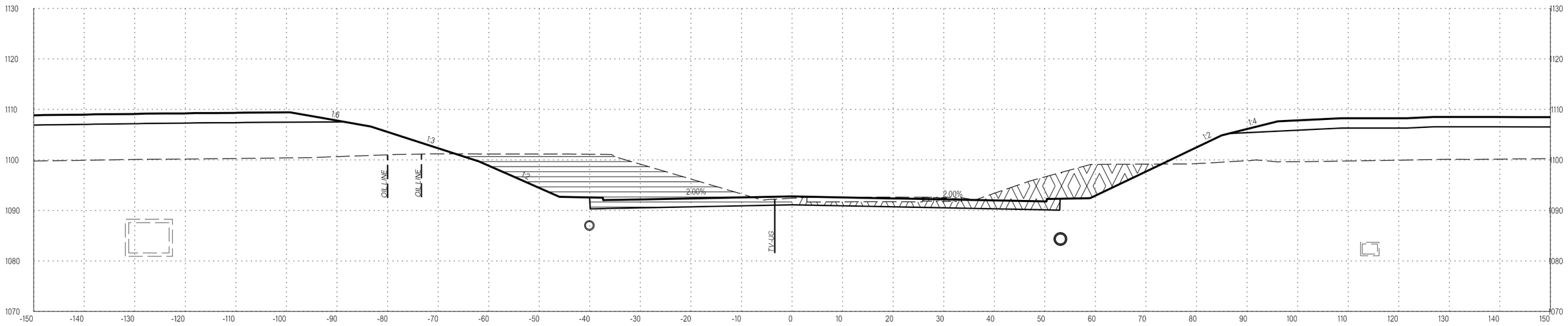
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



67+65.00



67+50.00

3/28/2025 9:35:25 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

WATERLOO

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X073

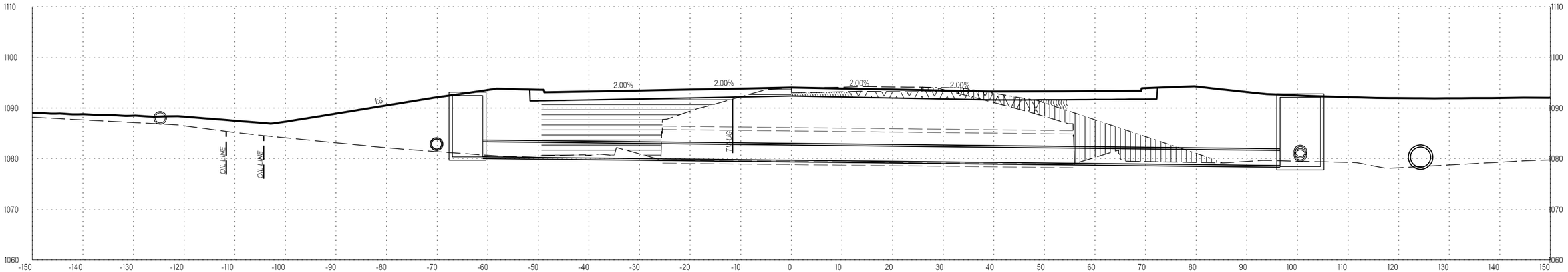
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

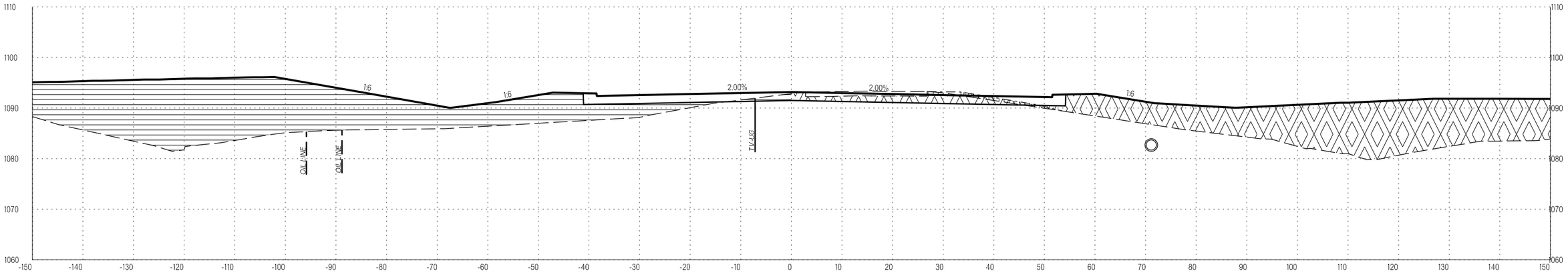
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



68+50.00



68+00.00

WATERLOO

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X074

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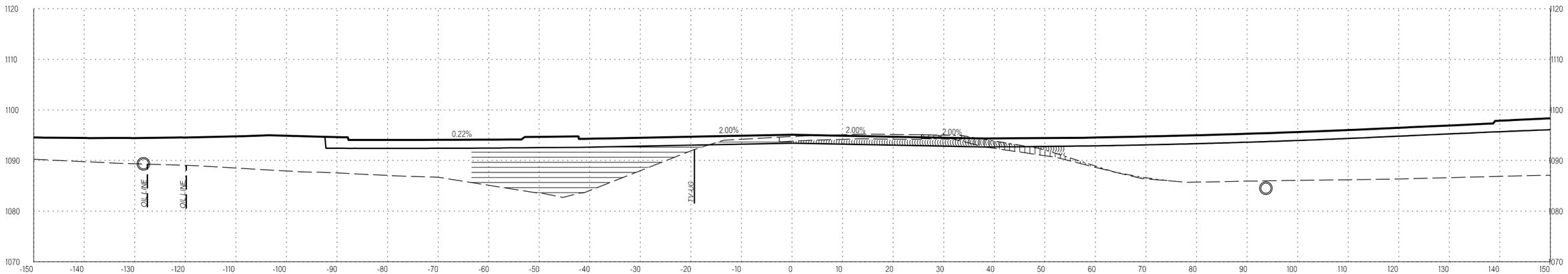
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

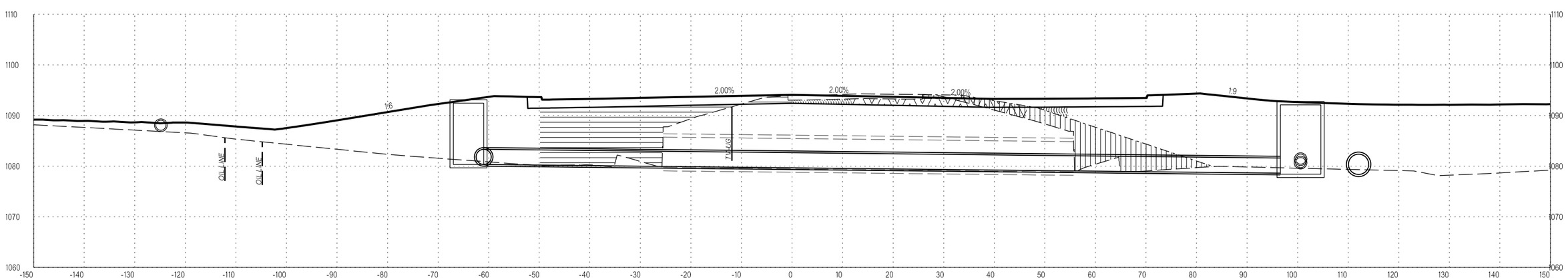
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



69+00.00



68+51.56

3/28/2025 9:35:28 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

WATERLOO

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X075

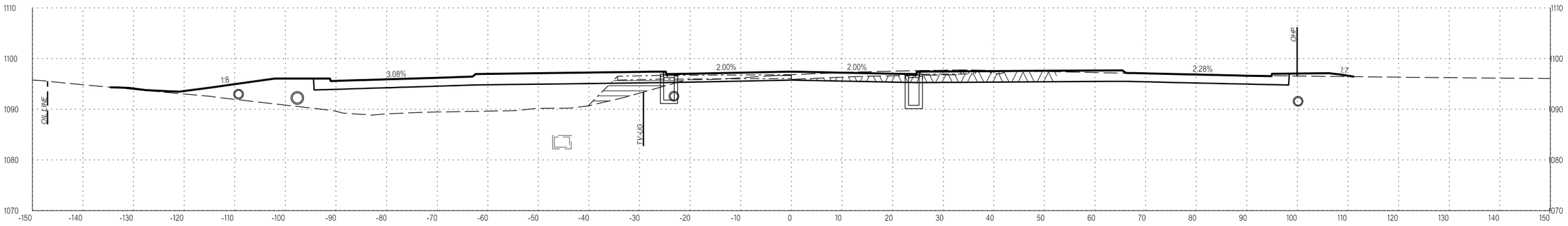
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

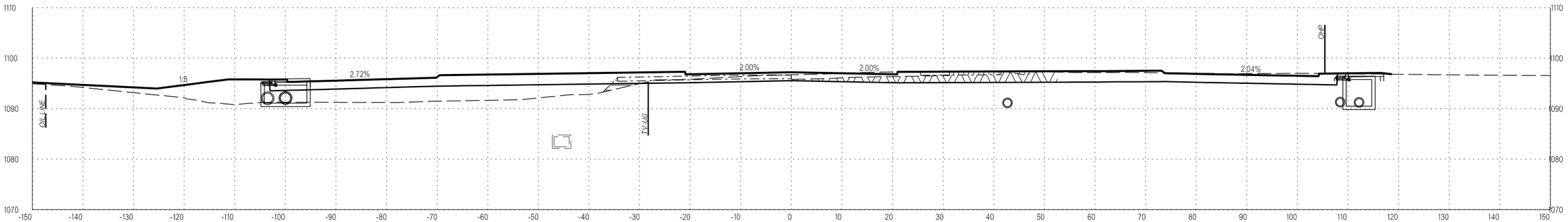
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LEGEND

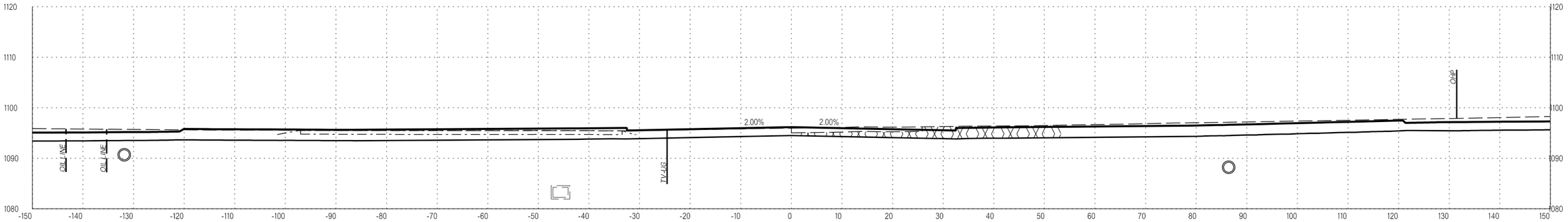
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



70+10.48



70+00.00



69+50.00

3/28/2025 9:35:29 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

WATERLOO

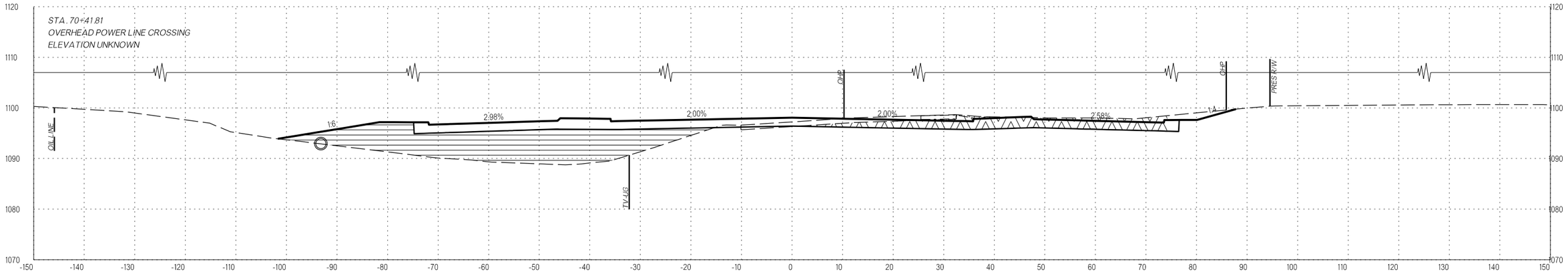
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X076

OKLAHOMA DEPARTMENT OF TRANSPORTATION

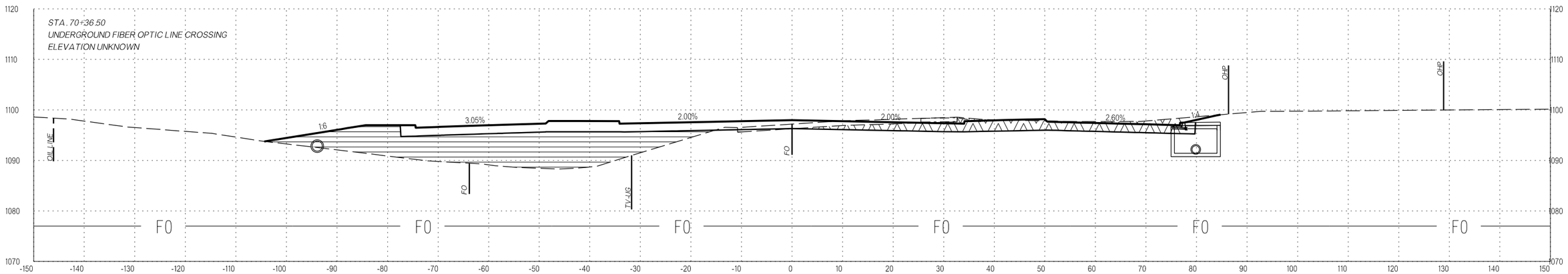
FINAL FIELD MEETING

3/28/2025

LEGEND		
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



70+41.81



70+36.50

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3/28/2025 9:35:30 AM

WATERLOO

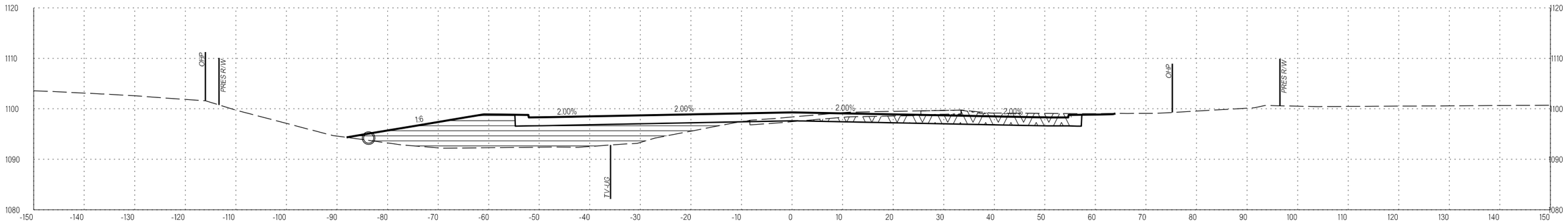
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO X077

OKLAHOMA DEPARTMENT OF TRANSPORTATION

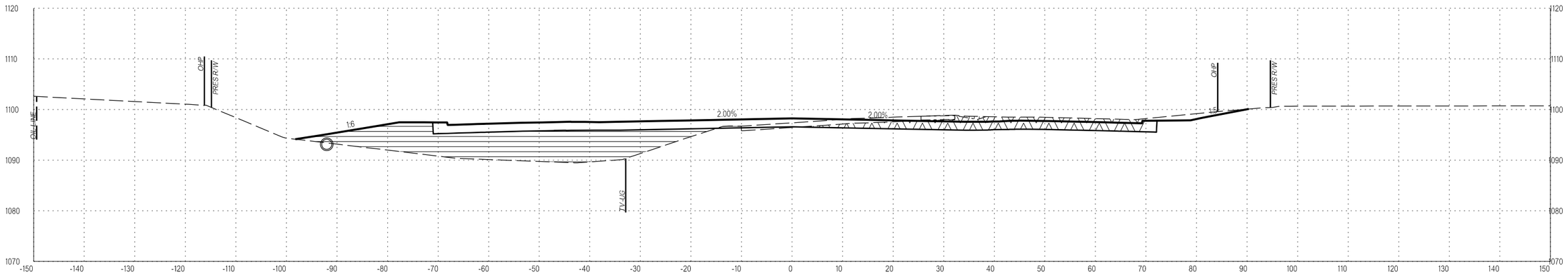
FINAL FIELD MEETING
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



71+00.00



70+50.00

WATERLOO

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X078

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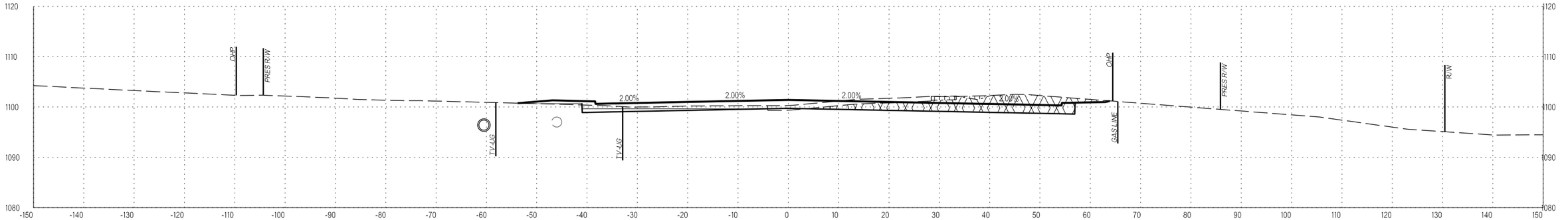
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

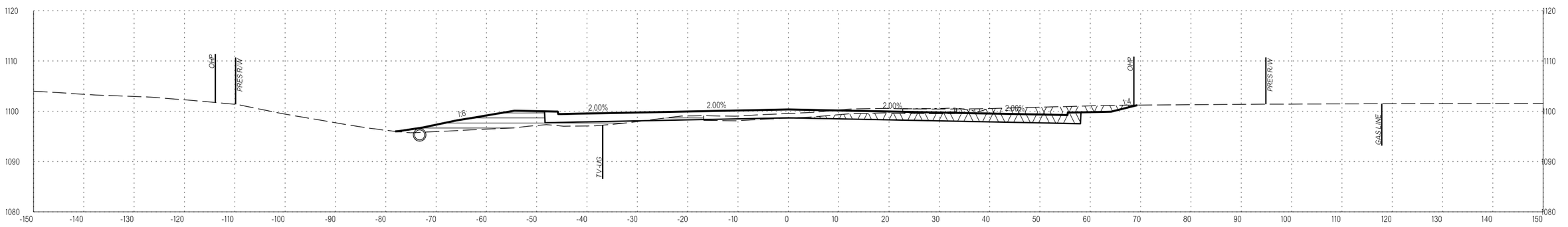
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



72+00.00



71+50.00

3/28/2025 9:35:33 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

WATERLOO

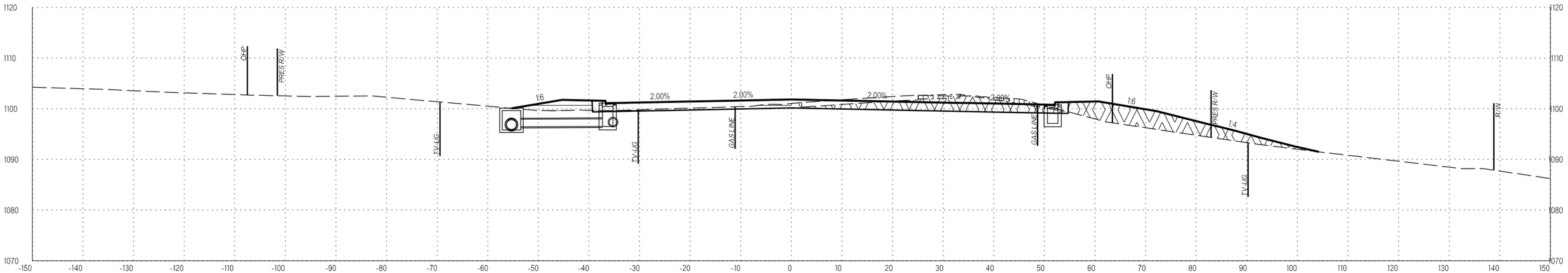
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X079

OKLAHOMA DEPARTMENT OF TRANSPORTATION

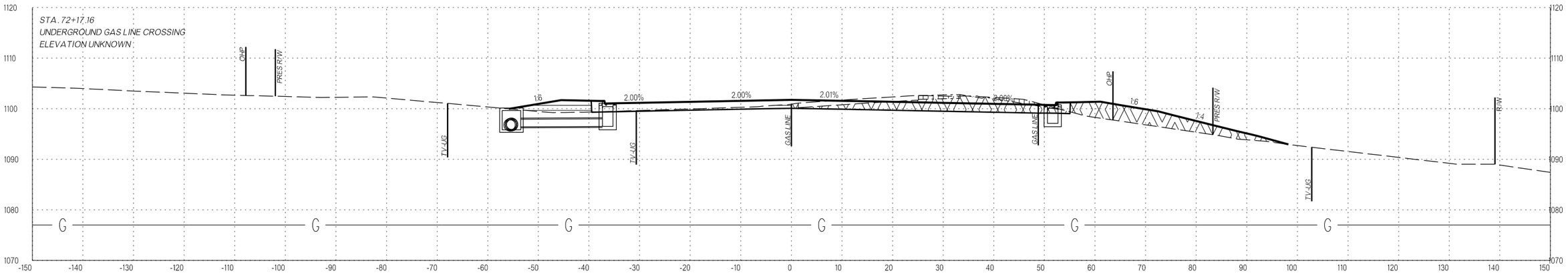
FINAL FIELD MEETING

3/28/2025

LEGEND		
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



72+19.86



72+17.16

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WATERLOO

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X080

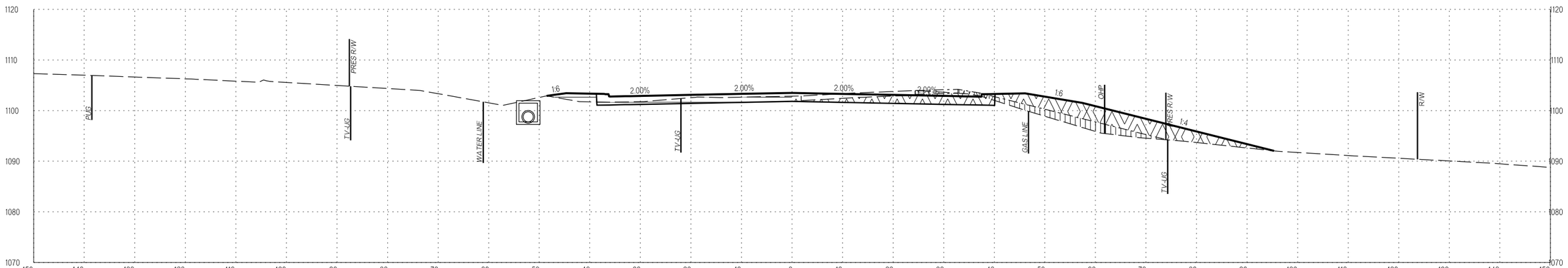
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

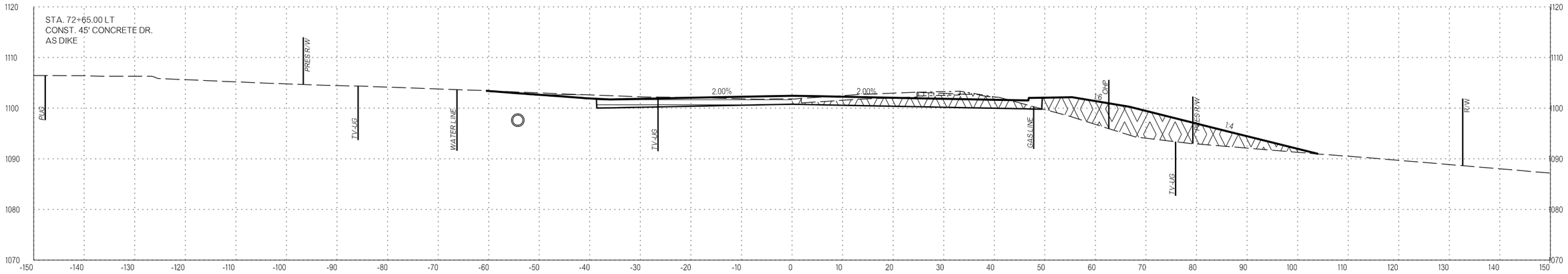
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



73+00.00



72+50.00

L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn 3/28/2025 9:35:36 AM

WATERLOO

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X081

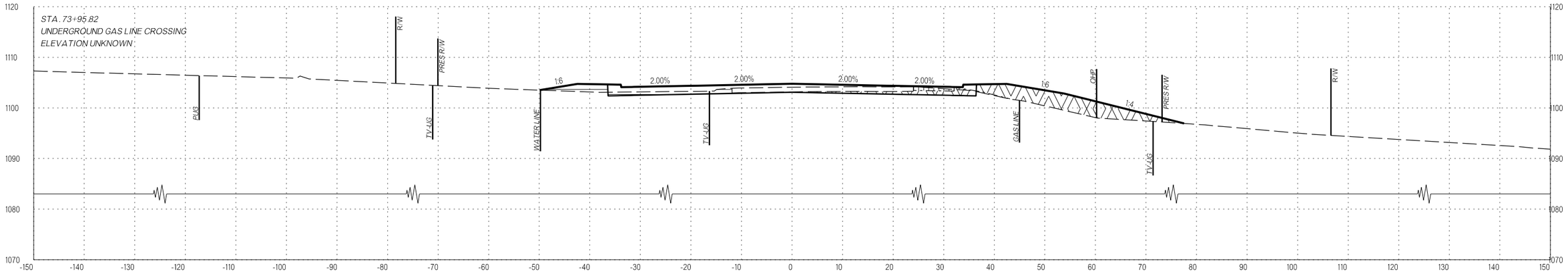
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

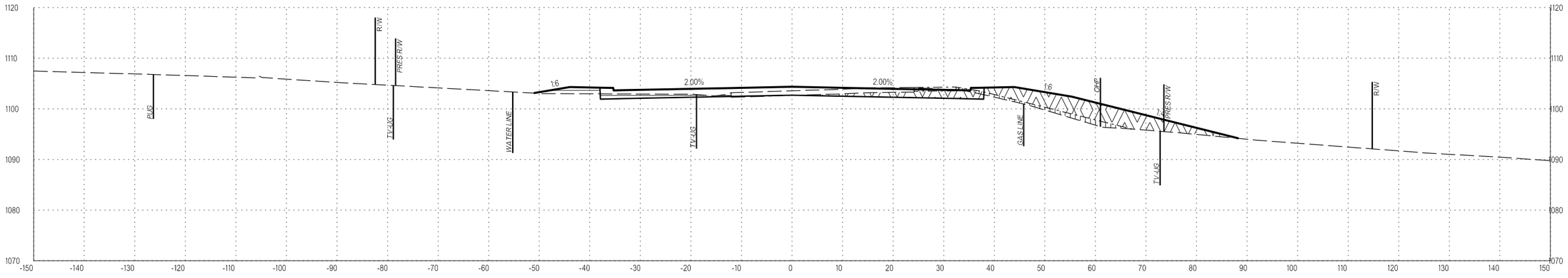
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LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



73+95.82



73+50.00

3/28/2025 9:35:37 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

WATERLOO

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X082

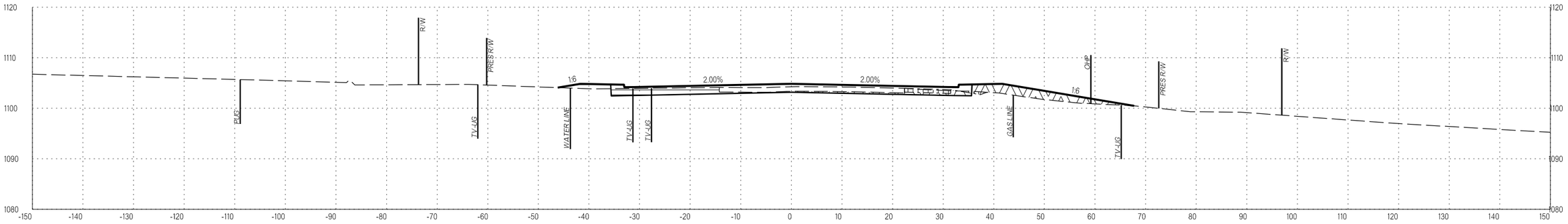
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

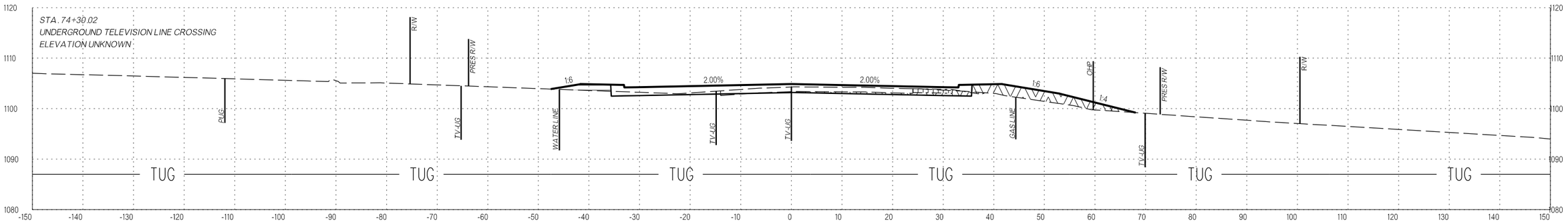
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LEGEND

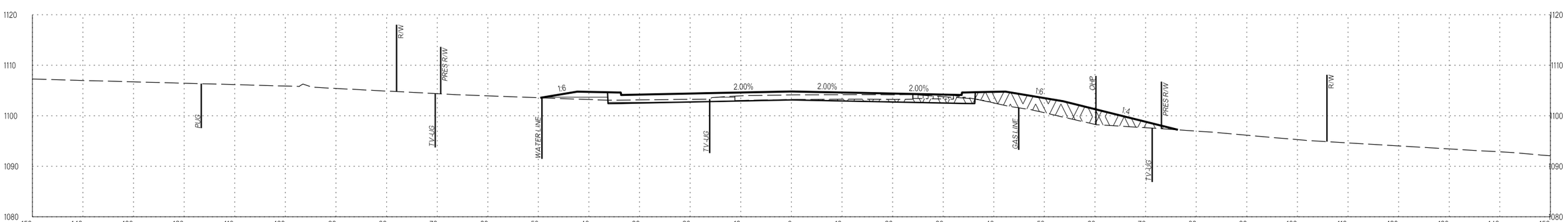
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



74+50.00



74+30.02



74+00.00

3/28/2025 9:35:39 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

WATERLOO

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X083

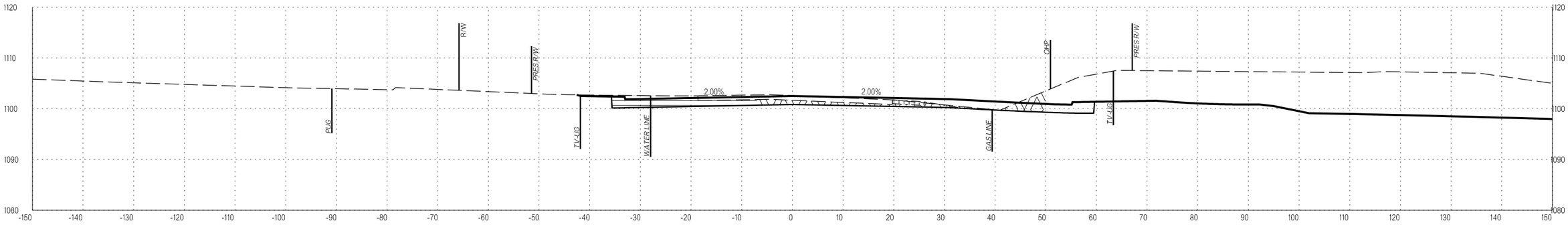
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

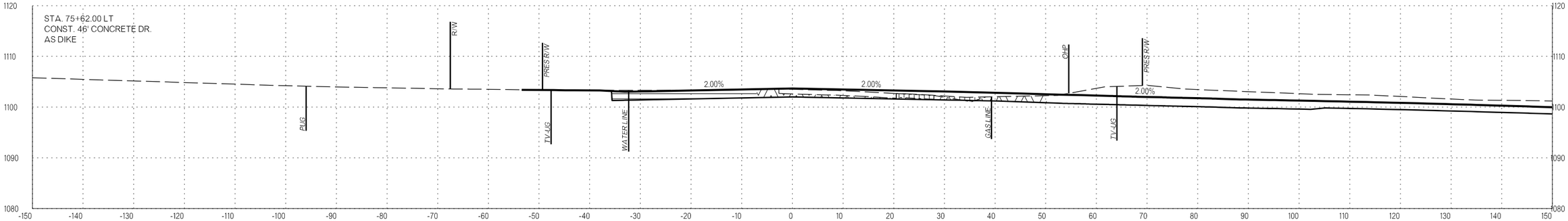
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LEGEND

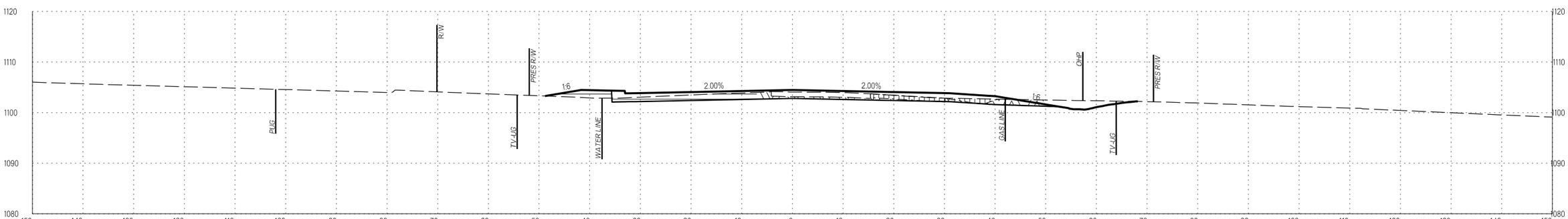
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



76+00.00



75+50.00



75+00.00

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3/28/2025 9:35:40 AM

WATERLOO

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X084

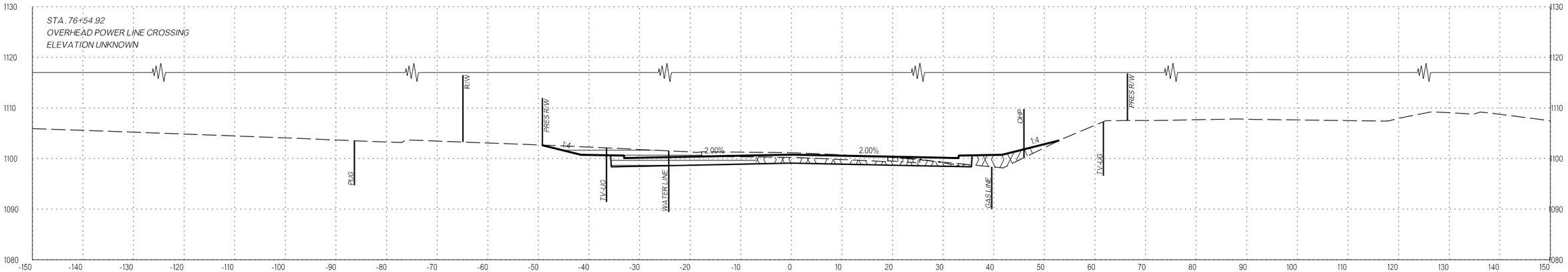
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

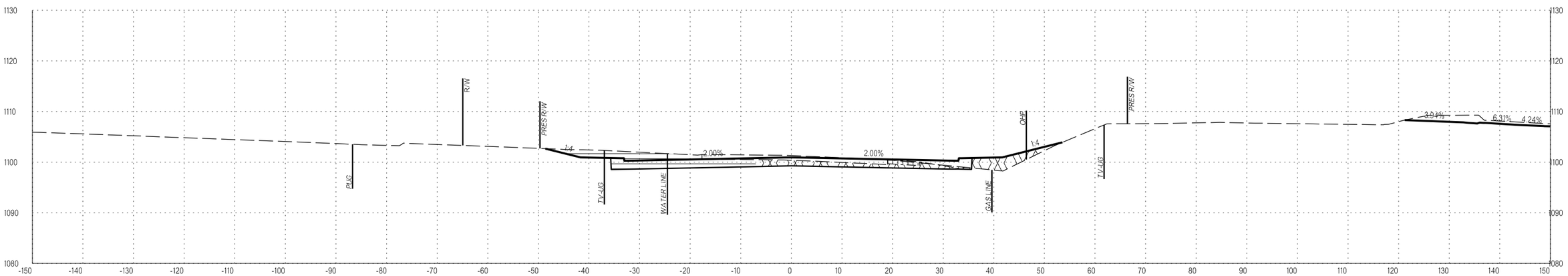
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LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



76+54.92



76+50.00

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3/28/2025 9:35:42 AM

WATERLOO

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO X085

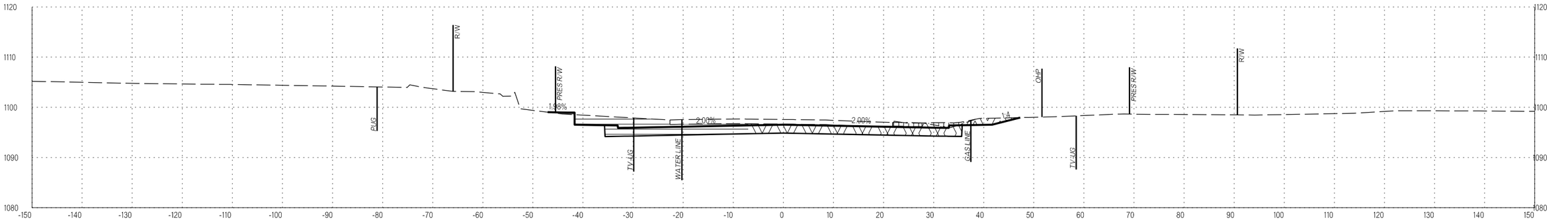
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

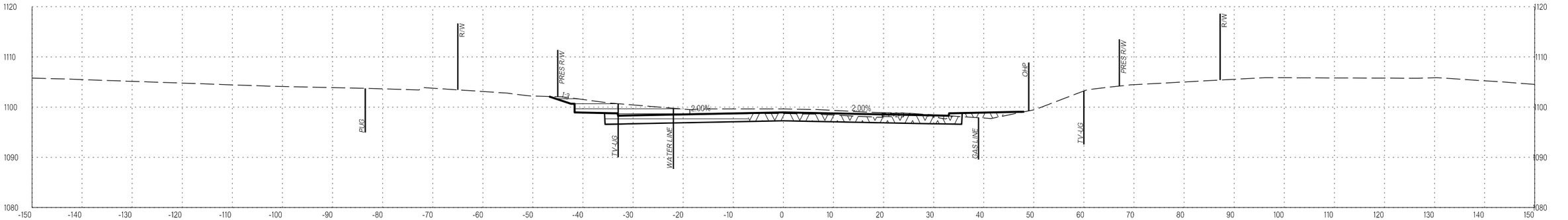
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



77+50.00



77+00.00

3/28/2025 9:35:43 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

WATERLOO

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X086

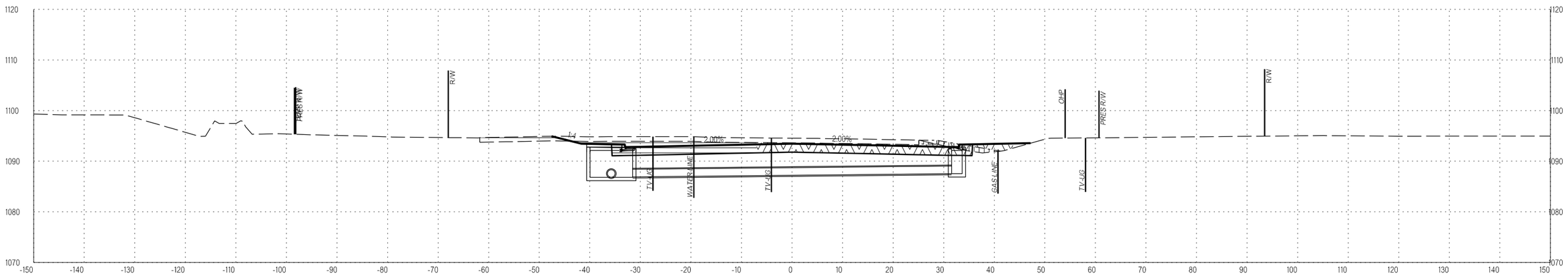
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

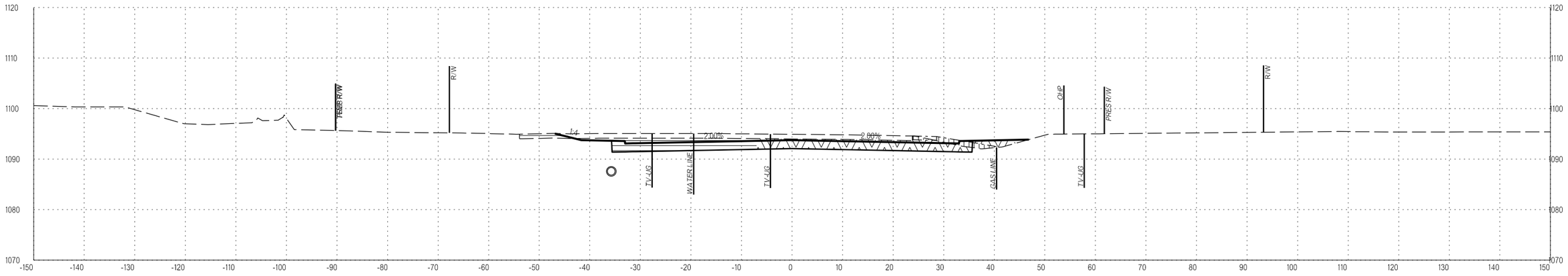
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



78+05.00



78+00.00

WATERLOO

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO X087

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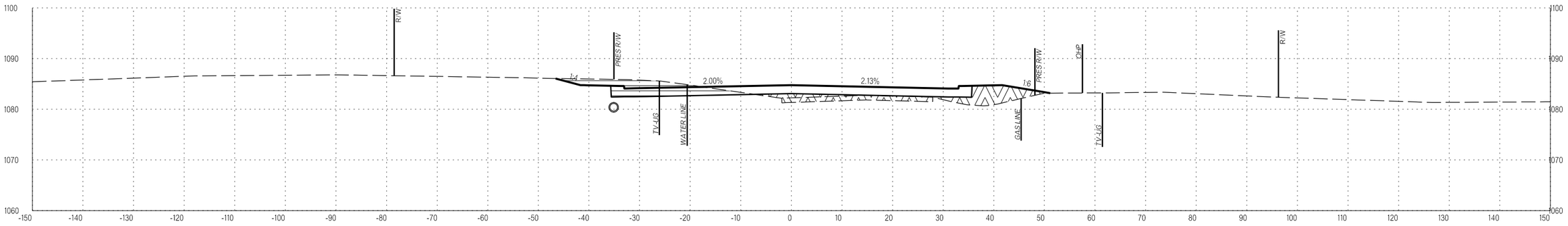
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

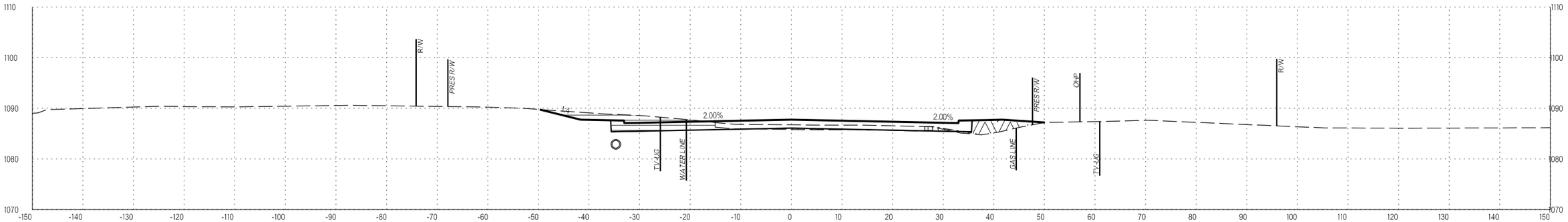
3/28/2025

LEGEND

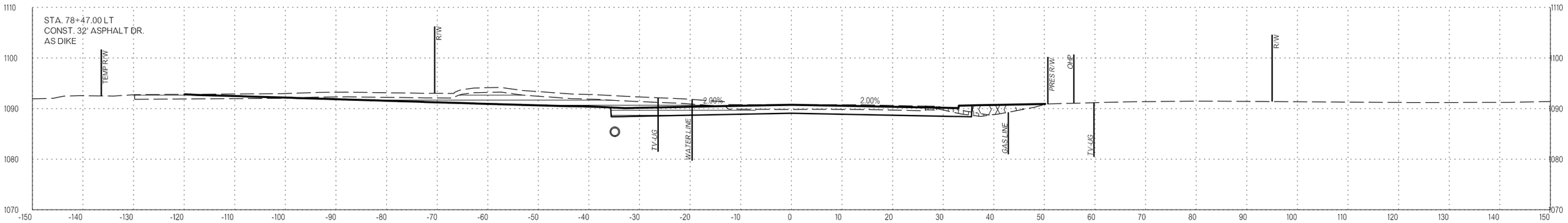
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



79+50.00



79+00.00



78+50.00

WATERLOO

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X088

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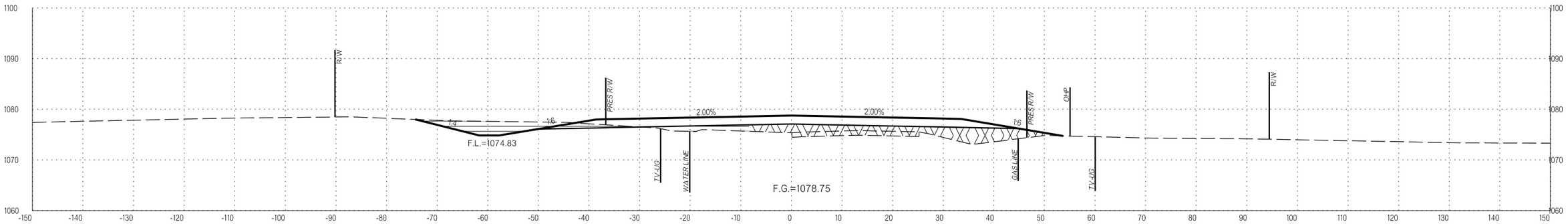
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

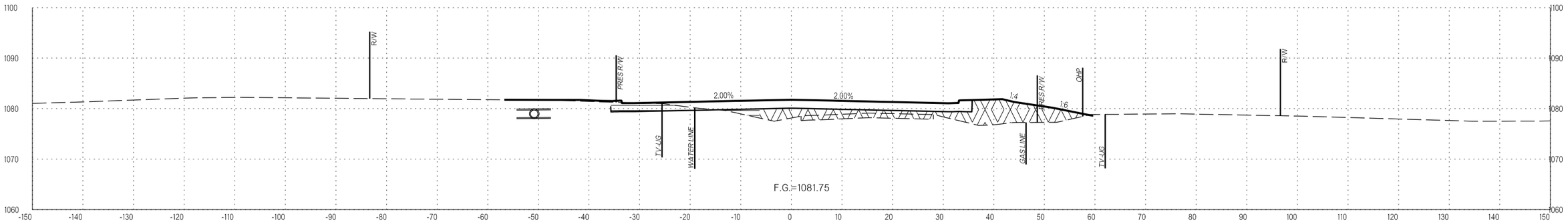
3/28/2025

LEGEND

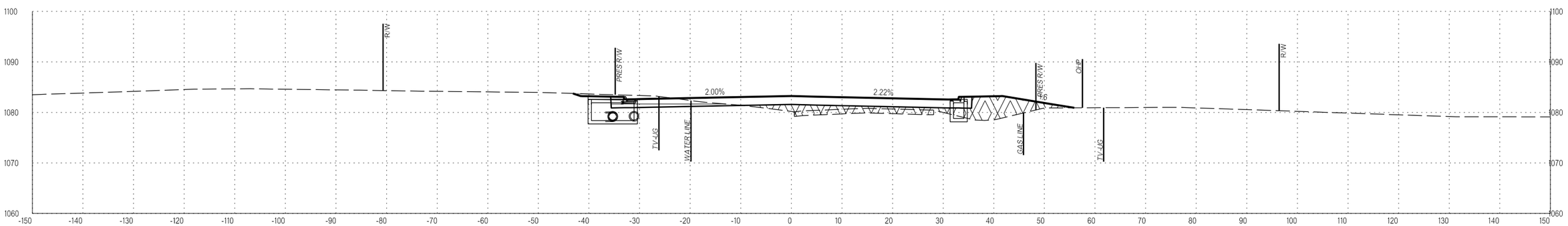
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



80+50.00



80+00.00



79+75.28

3/28/2025 9:35:47 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

WATERLOO

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X089

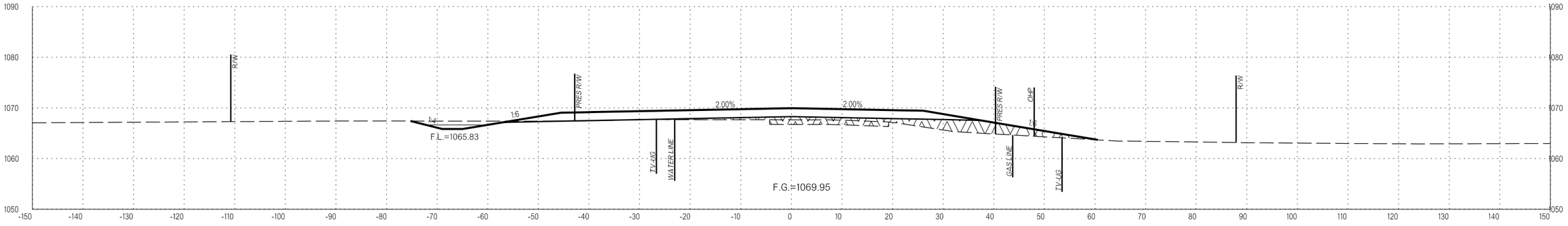
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

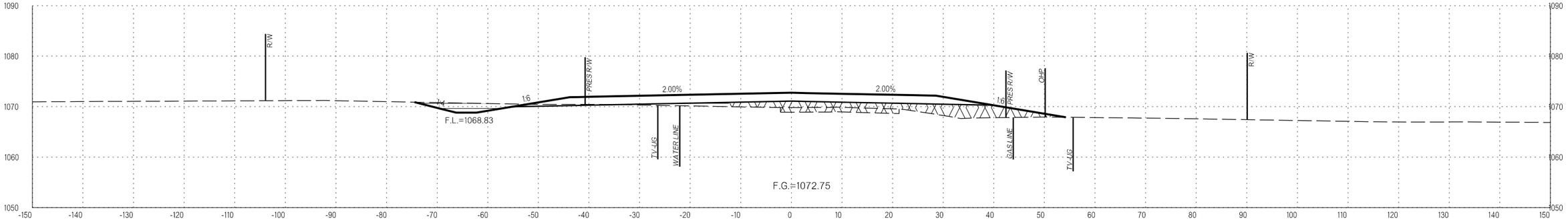
3/28/2025

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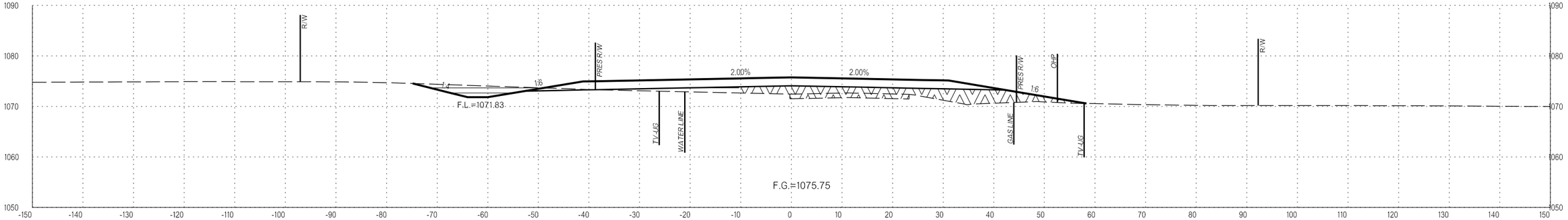
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



82+00.00



81+50.00



81+00.00

3/28/2025 9:35:49 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

WATERLOO

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X090

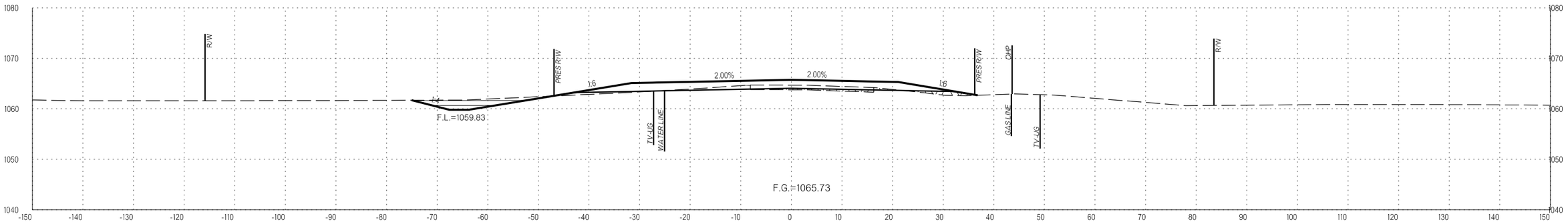
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

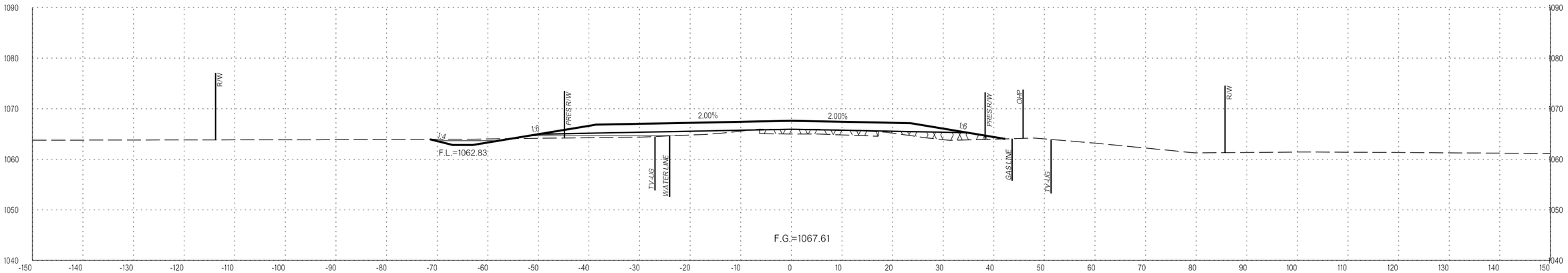
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



83+00.00



82+50.00

3/28/2025 9:35:50 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

WATERLOO

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X091

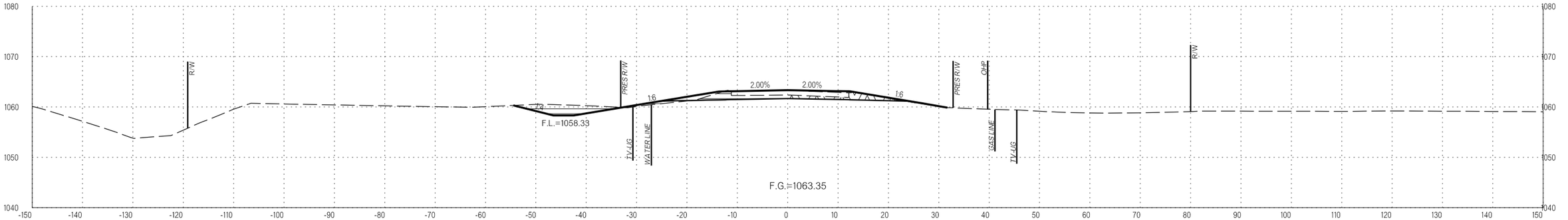
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

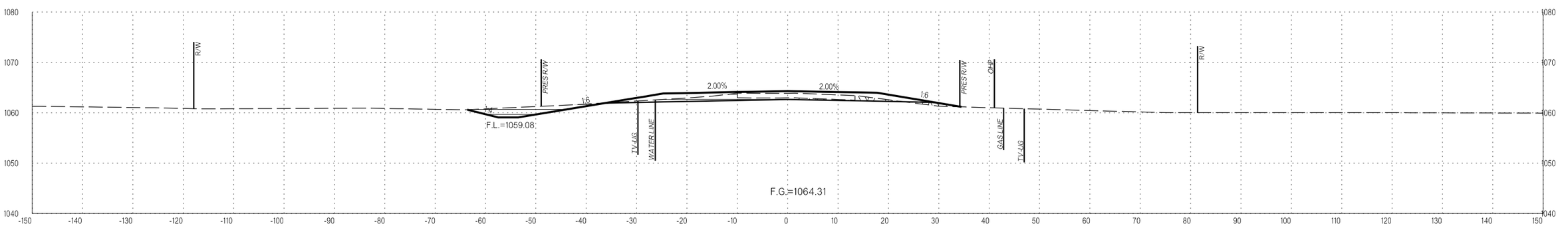
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



84+00.00



83+50.00

3/28/2025 9:35:52 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

WATERLOO

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X092

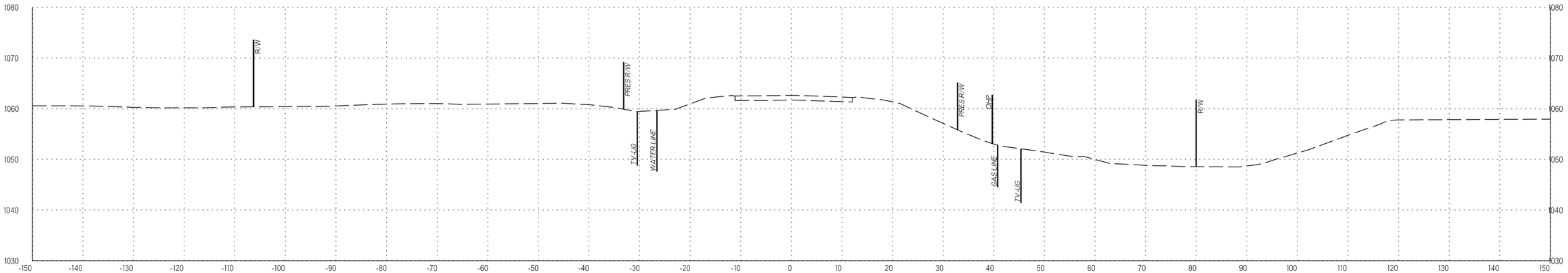
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

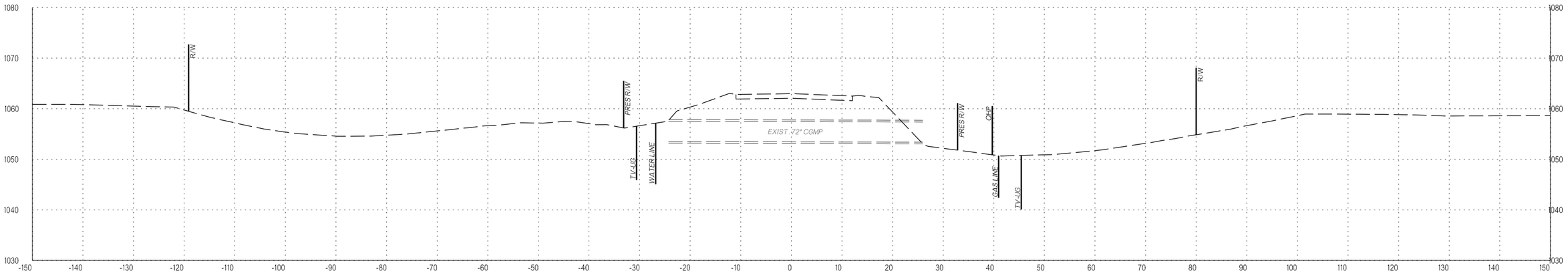
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LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



84+50.00



84+25.71

3/28/2025 9:35:53 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

WATERLOO

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X093

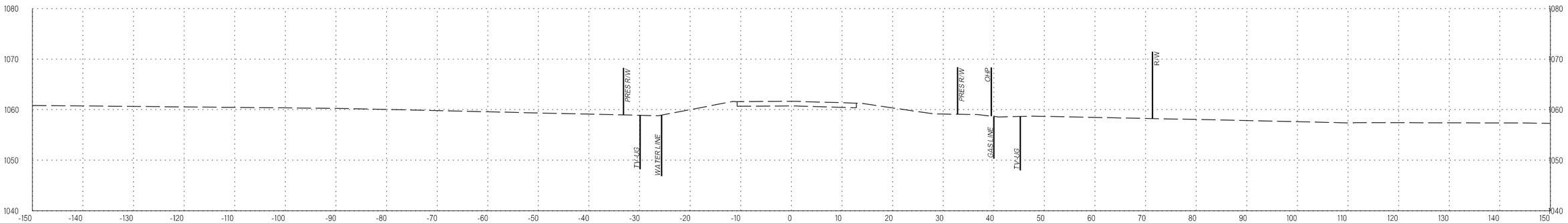
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

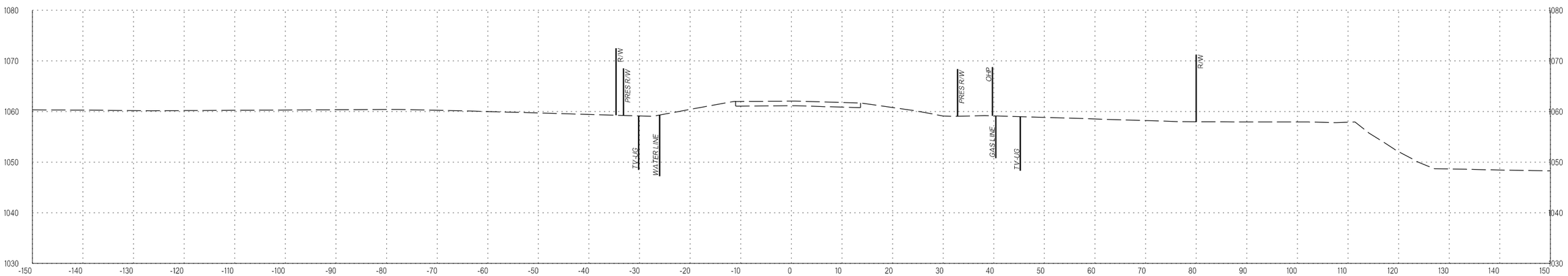
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LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



85+50.00



85+00.00

WATERLOO

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X094

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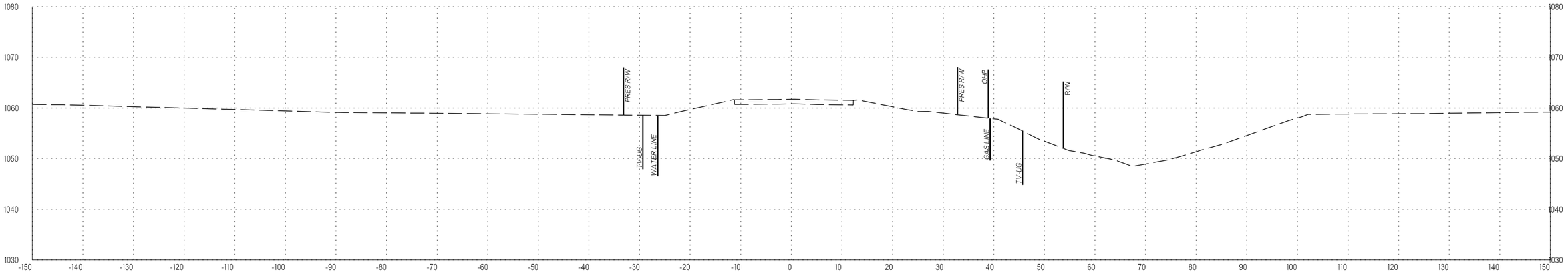
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

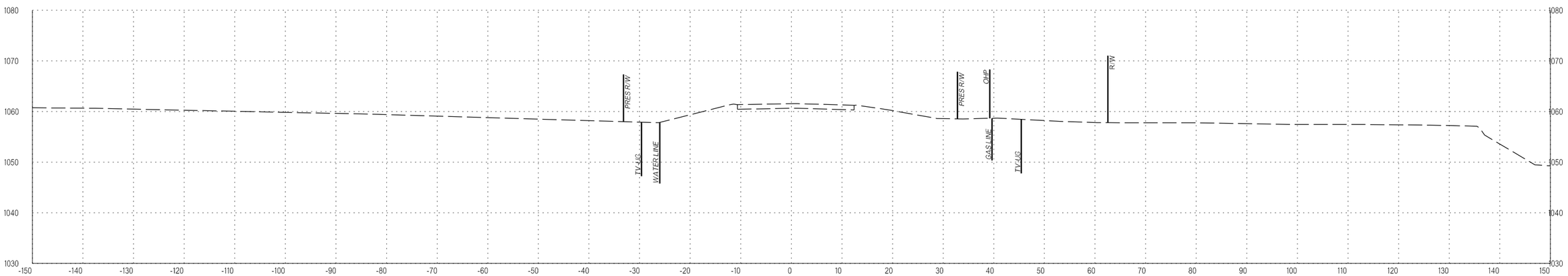
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LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



86+50.00



86+00.00

WATERLOO

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X095

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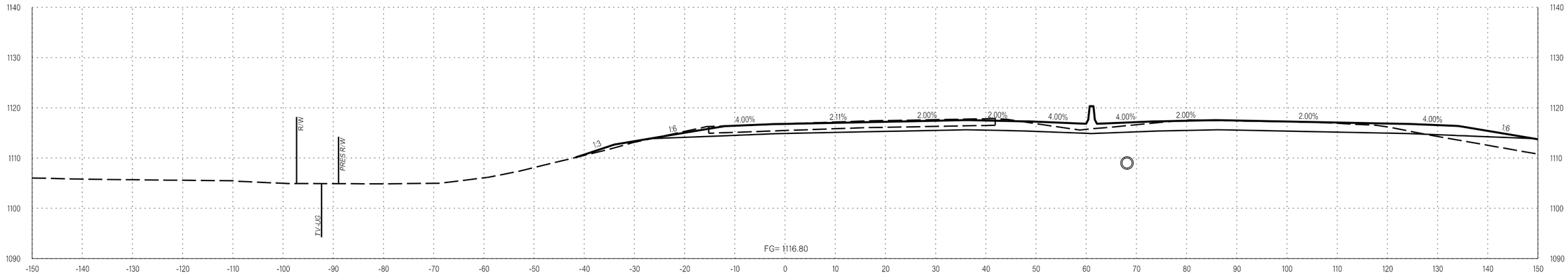
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

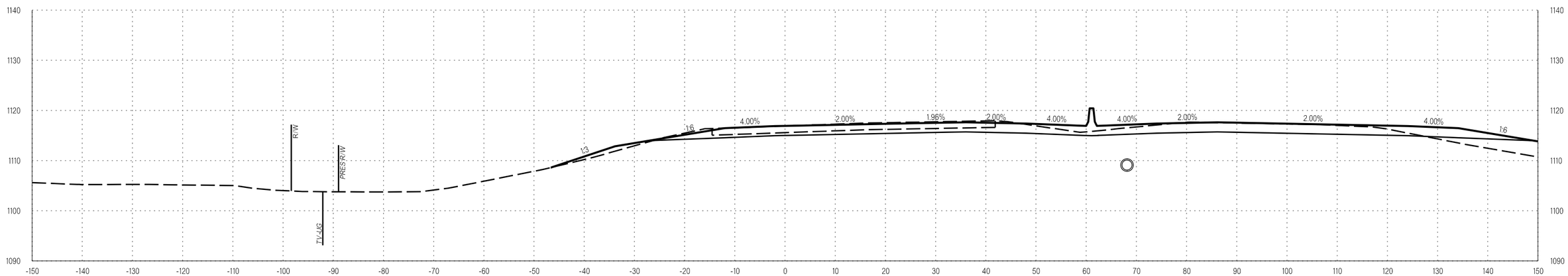
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LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



127+00.00



126+83.26

RAMP A

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X096

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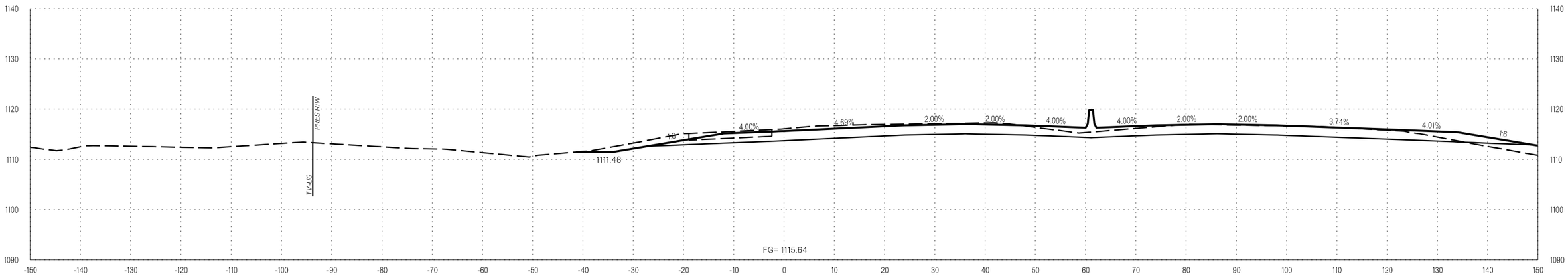
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

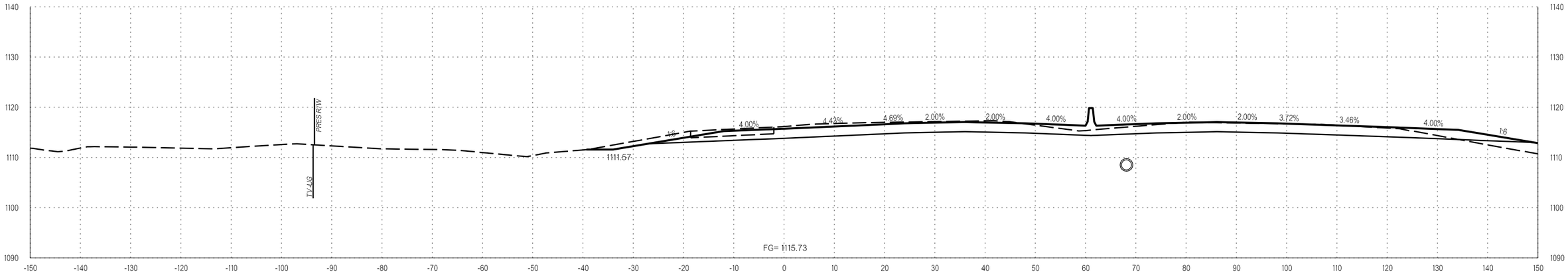
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LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



128+00.00



127+92.30

RAMP A

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X097

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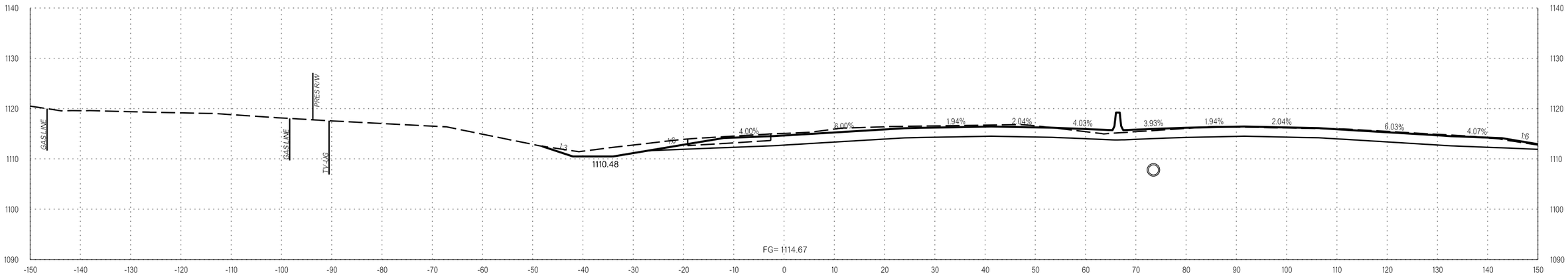
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

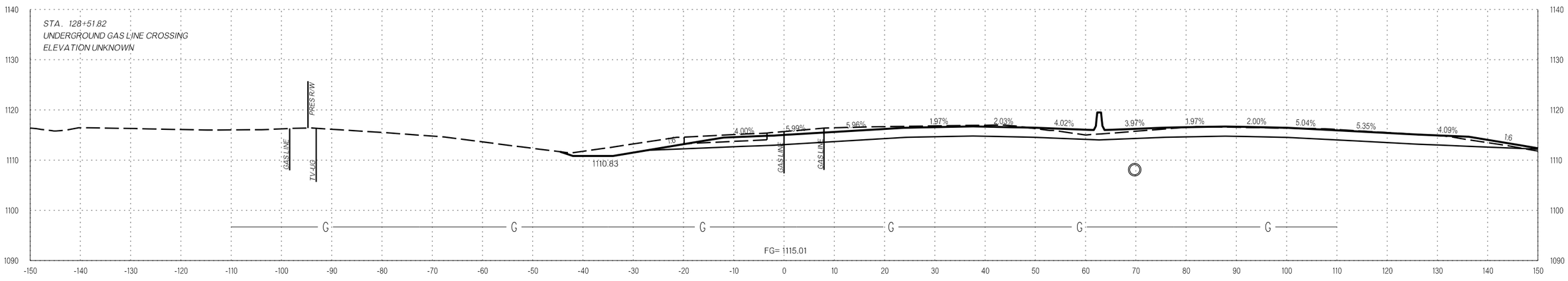
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LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



129+00.00



128+51.82

RAMP A

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X098

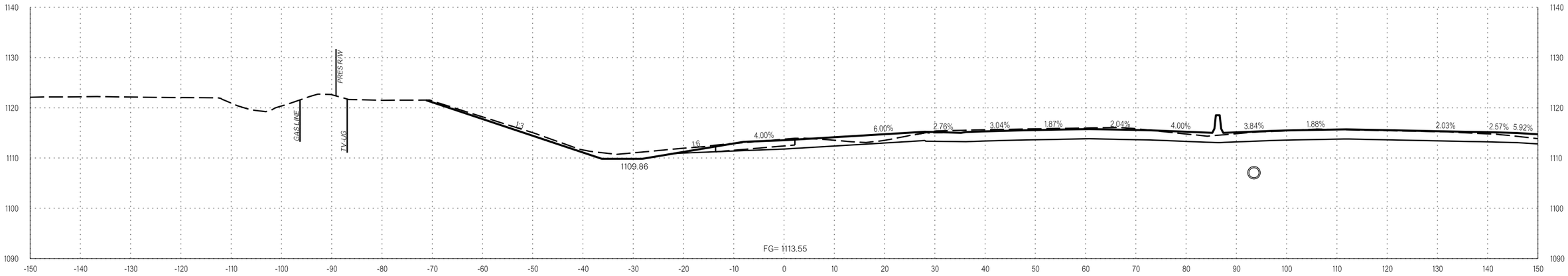
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OKLAHOMA DEPARTMENT OF TRANSPORTATION

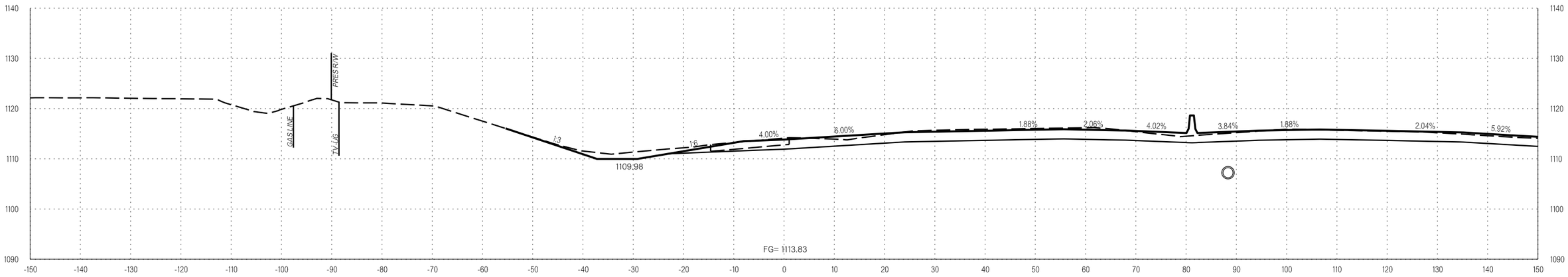
FINAL FIELD MEETING

3/28/2025

LEGEND		
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



130+24.61



130+00.00

RAMP A

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X099

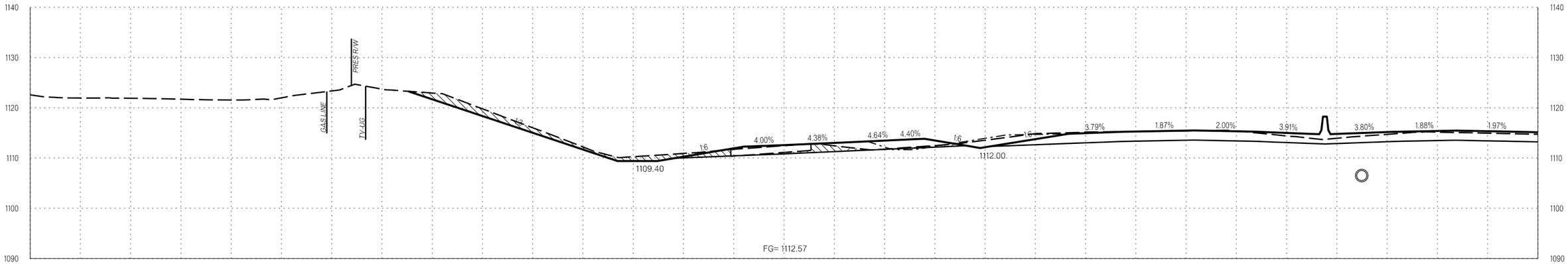
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OKLAHOMA DEPARTMENT OF TRANSPORTATION

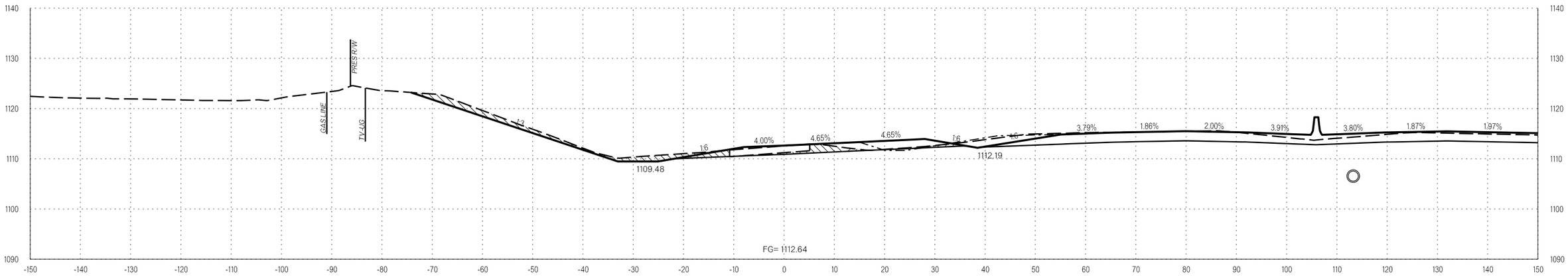
FINAL FIELD MEETING

3/28/2025

LEGEND		
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



131+05.55



131+00.00

RAMP A

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X100

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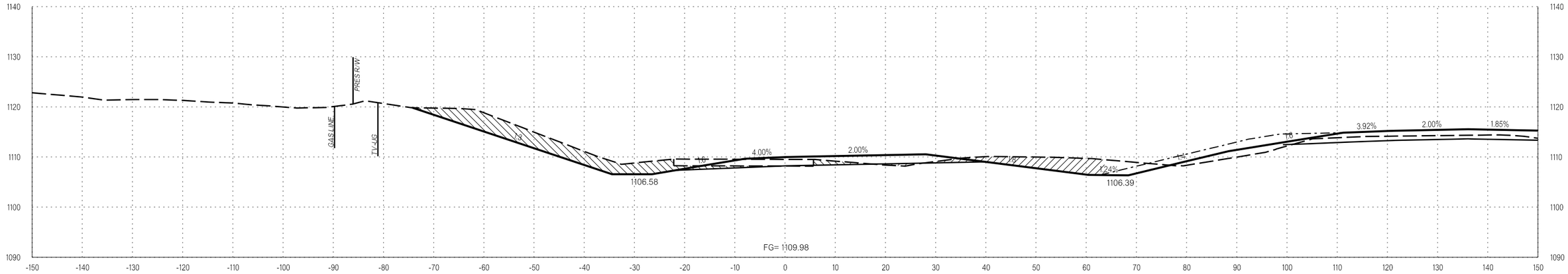
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

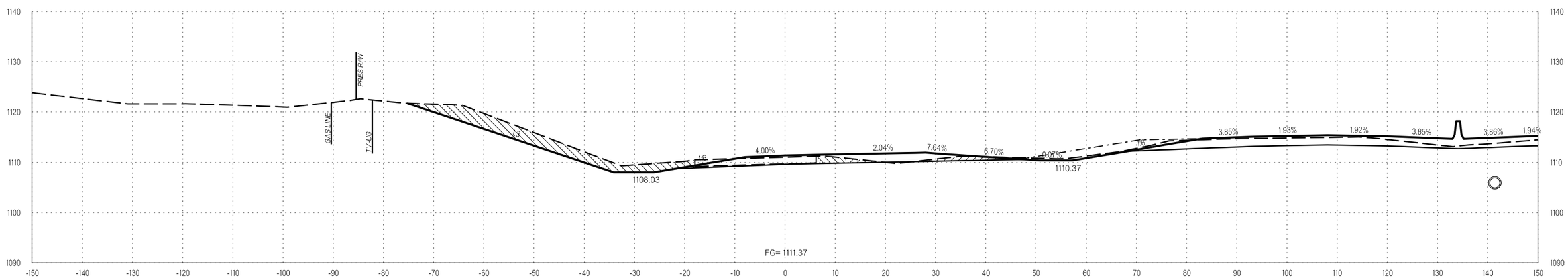
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



133+00.00



132+00.00

RAMP A

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X101

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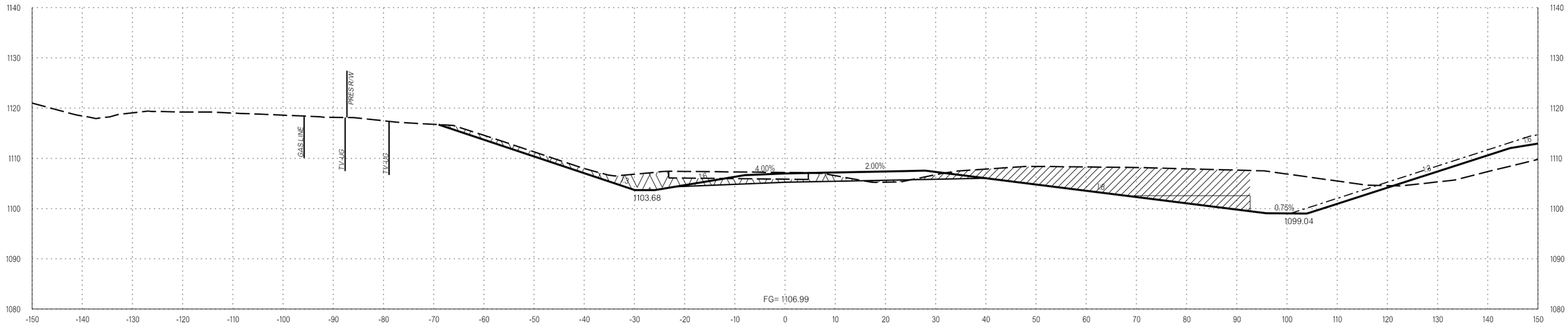
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

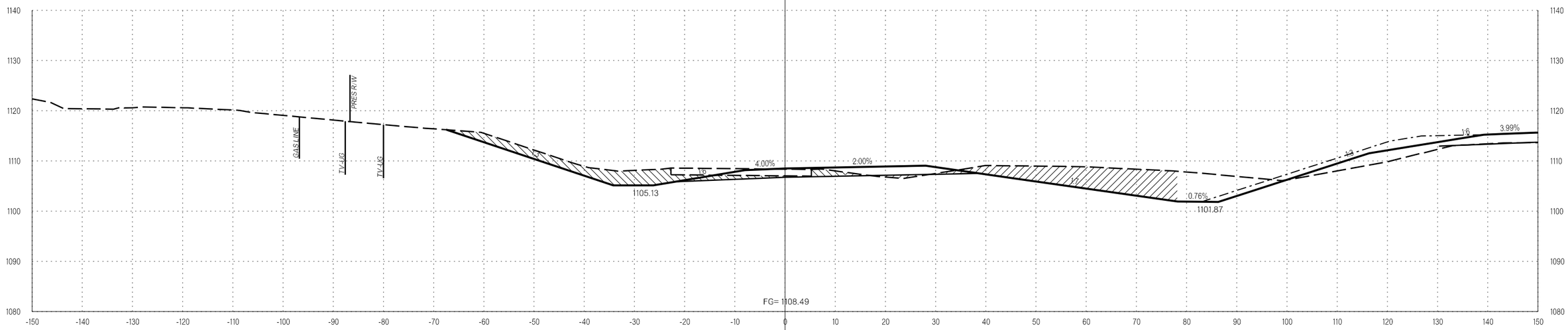
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



135+00.00



134+00.00

RAMP A

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X102

3/28/2025 9:36:06 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

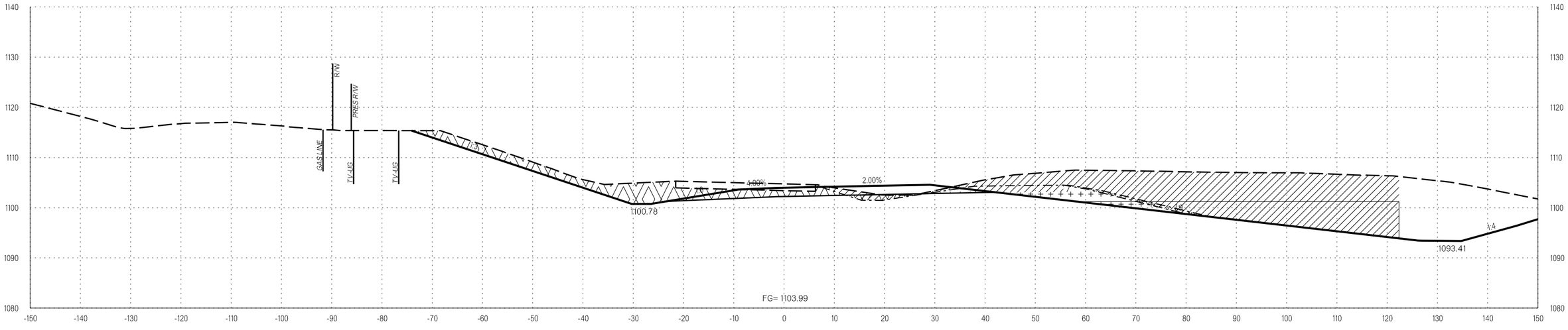
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

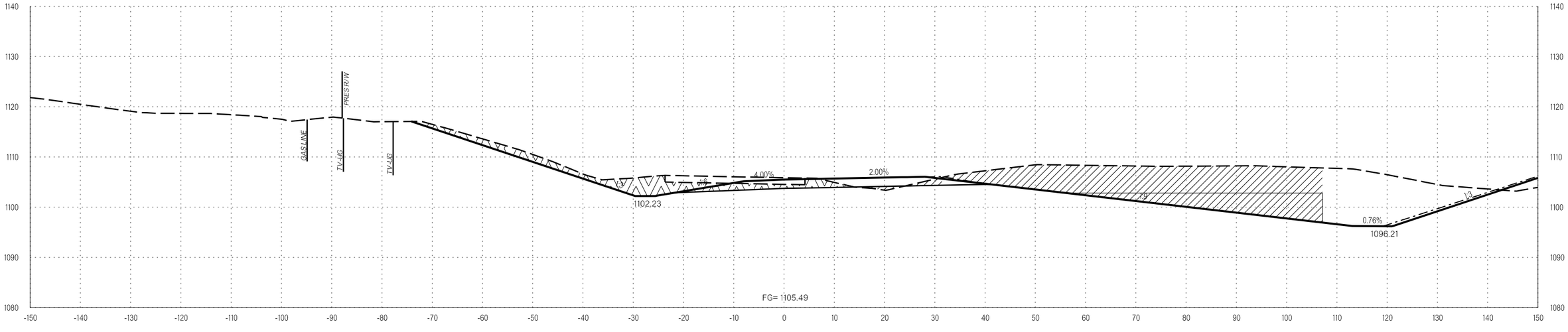
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



137+00.00



136+00.00

RAMP A

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X103

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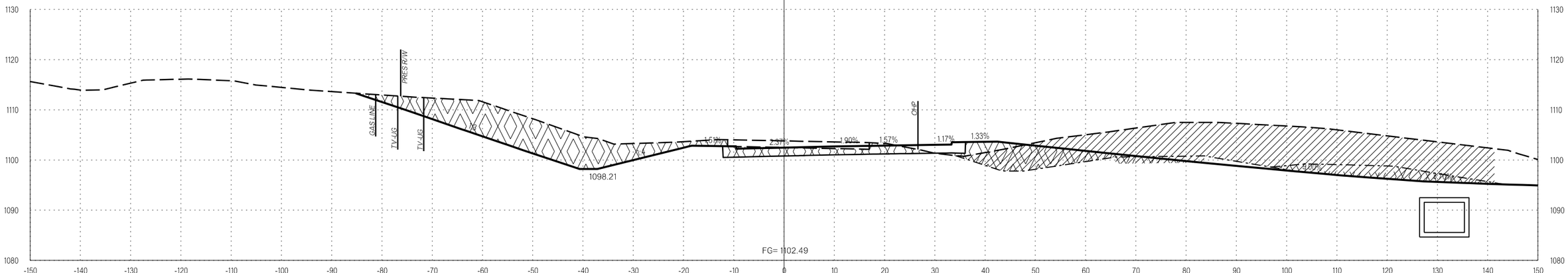
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

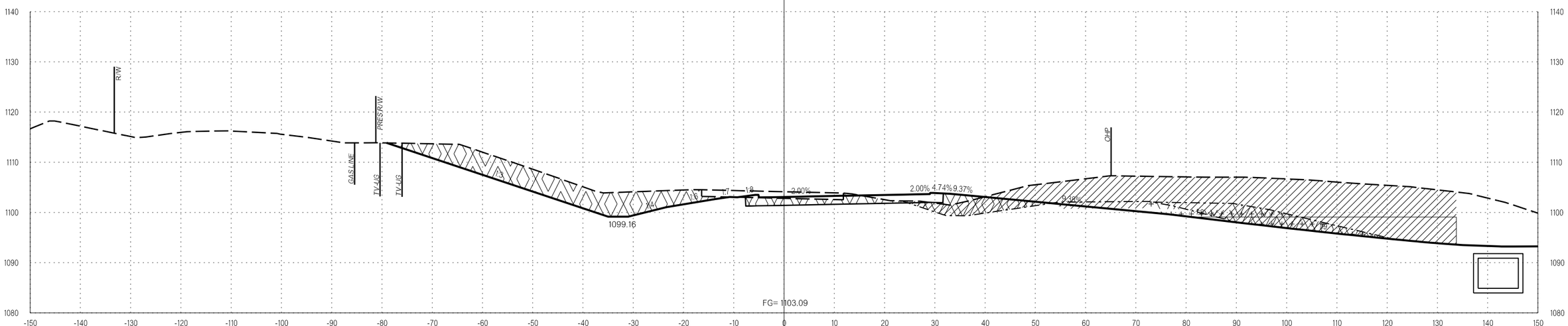
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



138+00.00



137+60.00

RAMP A

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X104

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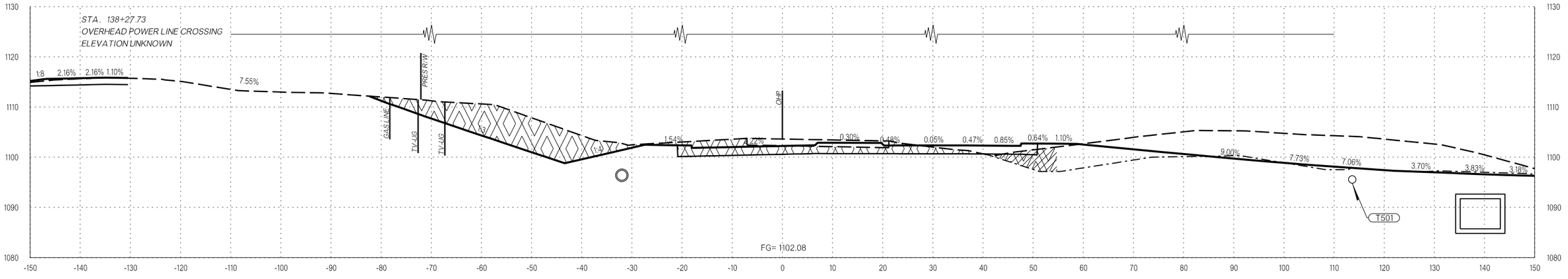
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

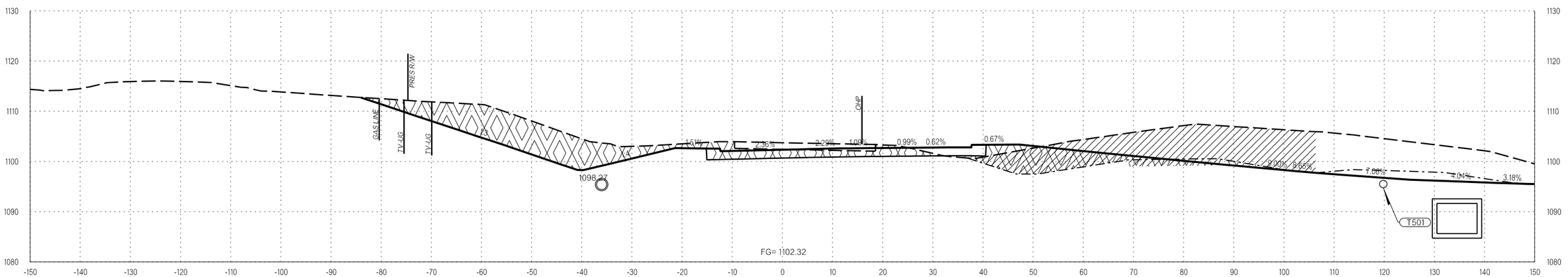
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



138+27.73



138+11.22

RAMP A

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X105

L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn
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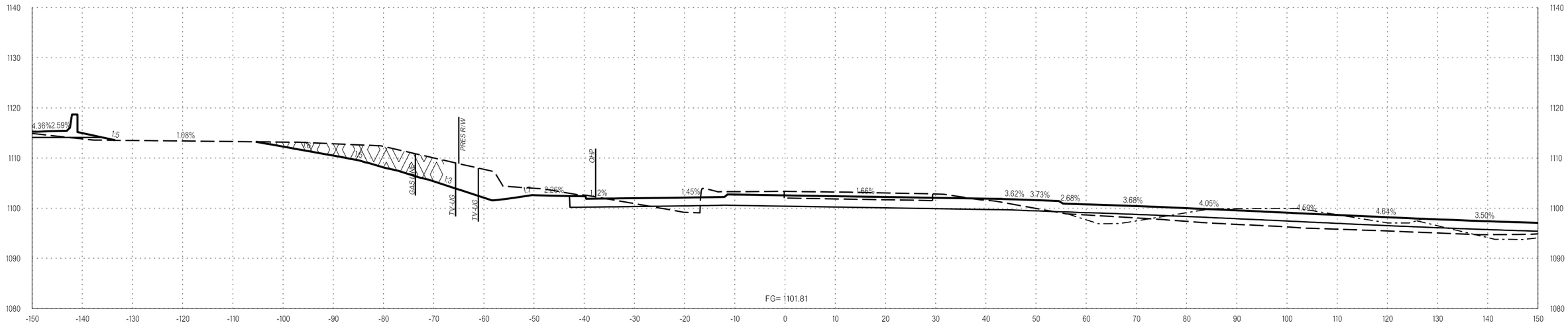
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

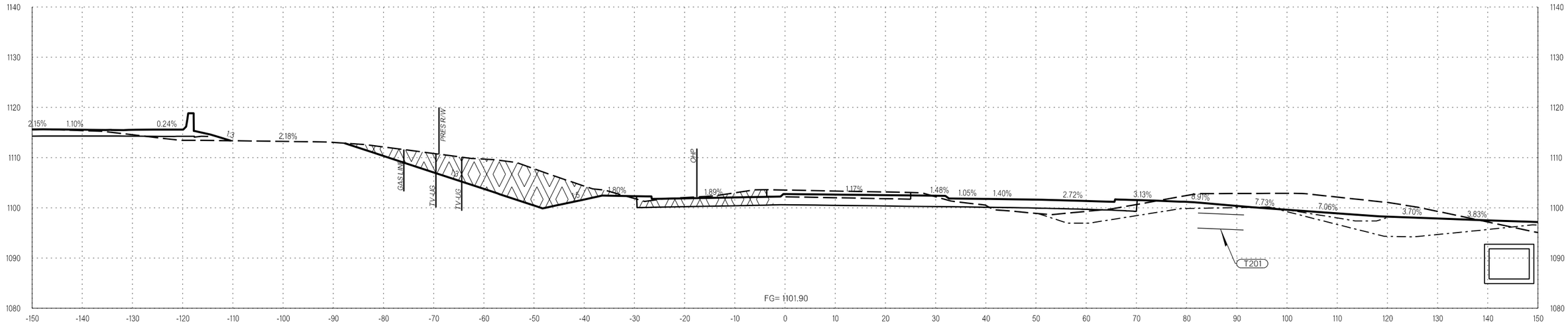
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



138+67.00



138+46.00

RAMP A

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X106

3/28/2025 9:36:11 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

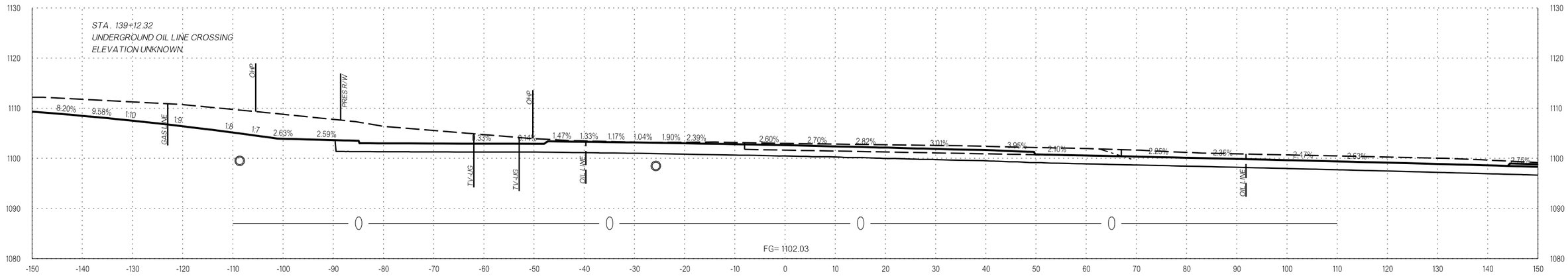
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

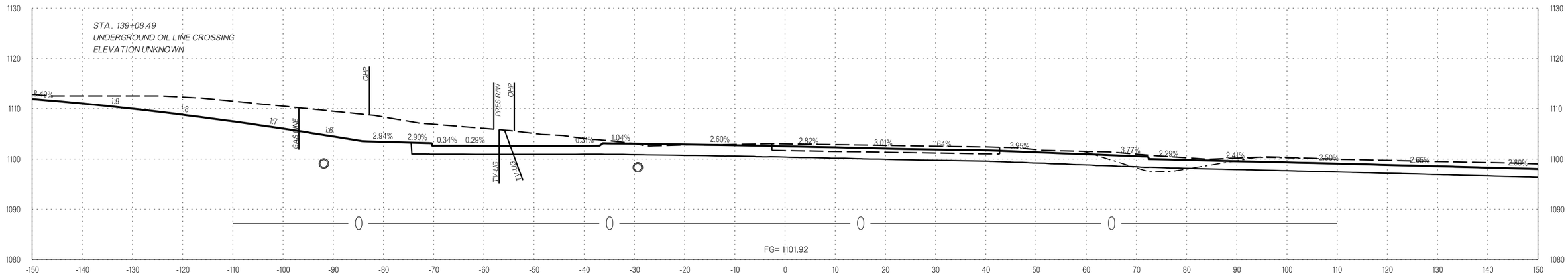
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



139+11.00



139+00.00

RAMP A

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X107

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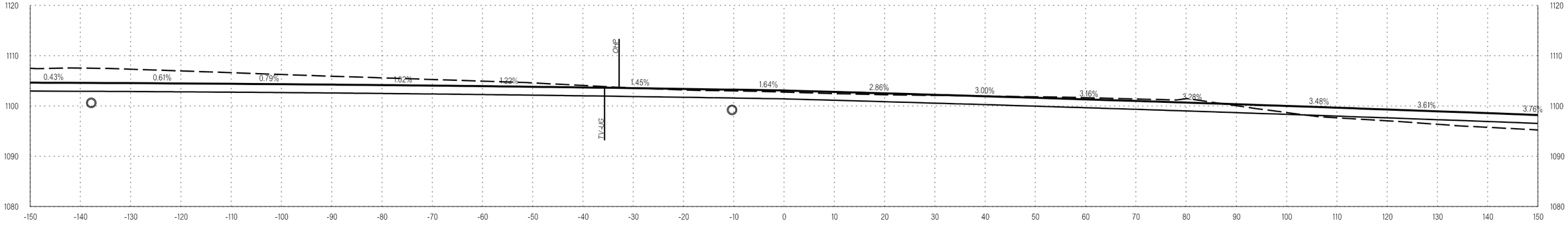
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



139+63.09

RAMP A

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X108

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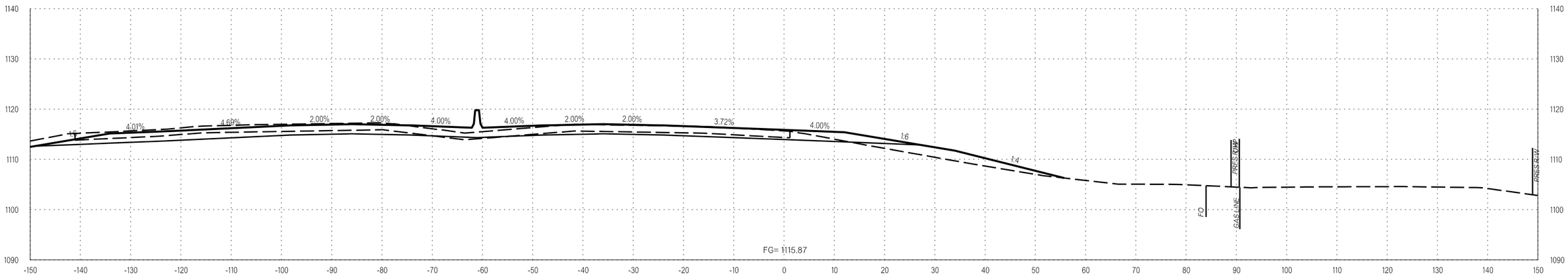
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

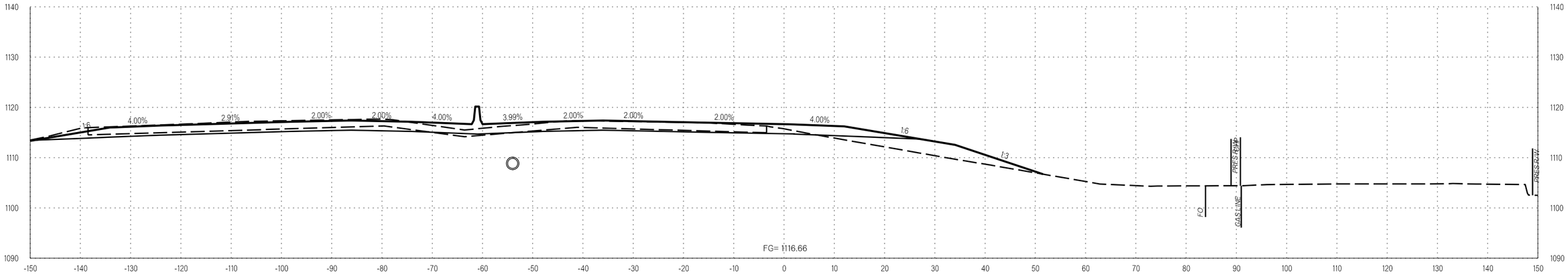
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



128+00.00



127+30.96

RAMP B

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X109

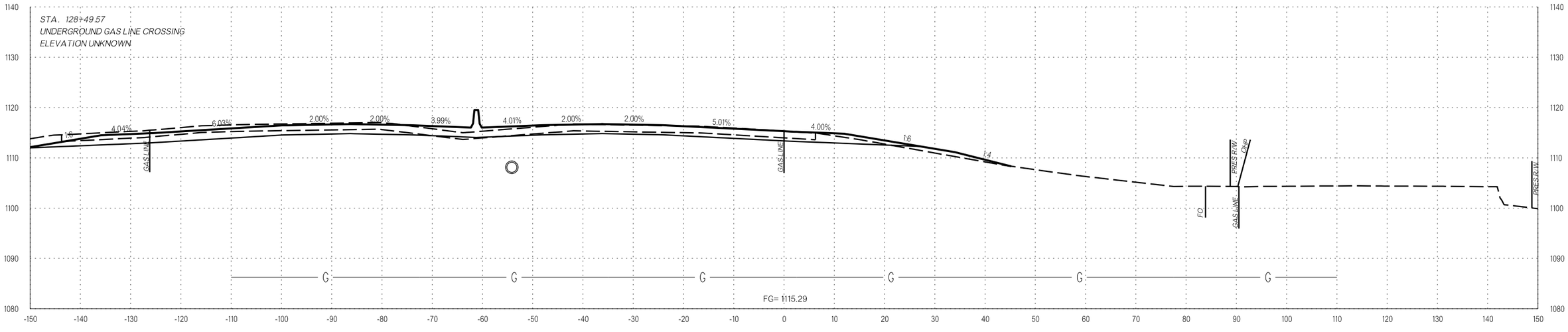
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OKLAHOMA DEPARTMENT OF TRANSPORTATION

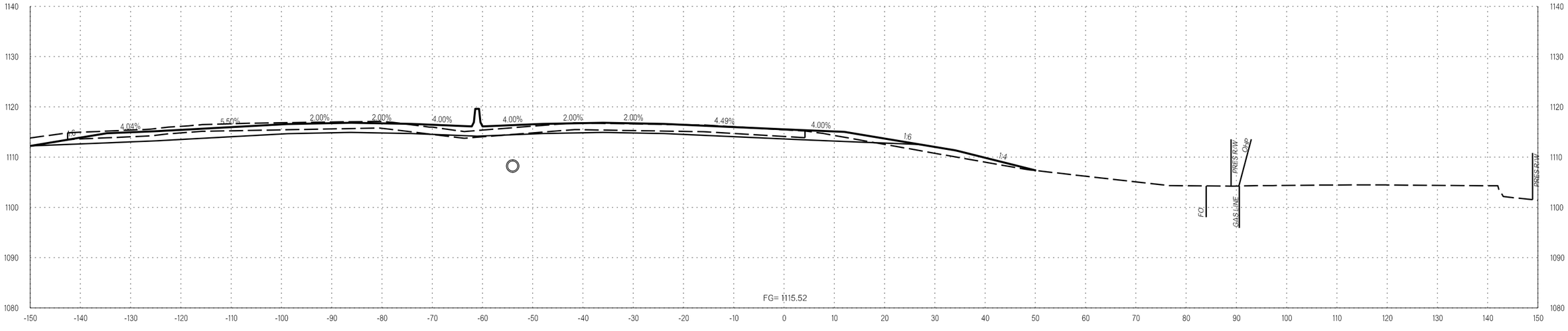
FINAL FIELD MEETING

3/28/2025

LEGEND		
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



128+49.57



128+30.51

RAMP B

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X110

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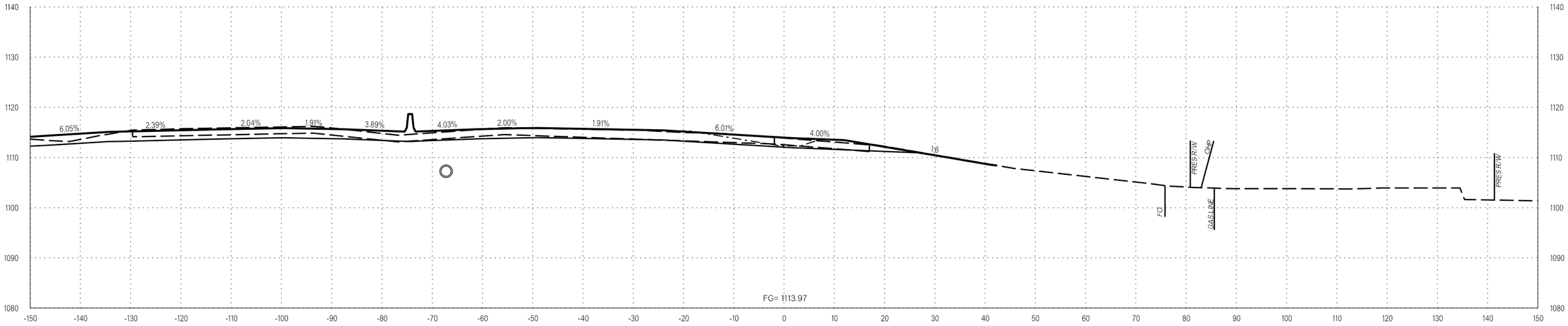
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

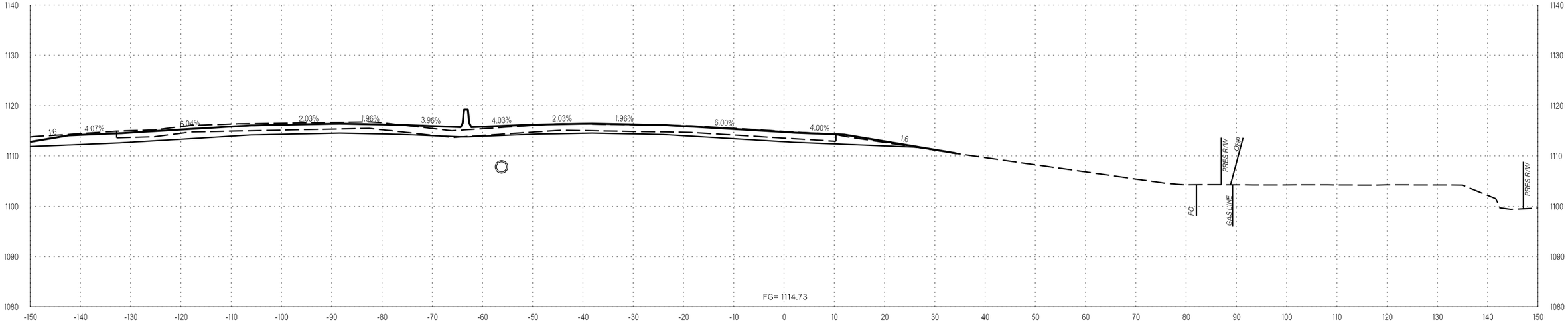
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



130+00.00



129+00.00

RAMP B

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X111

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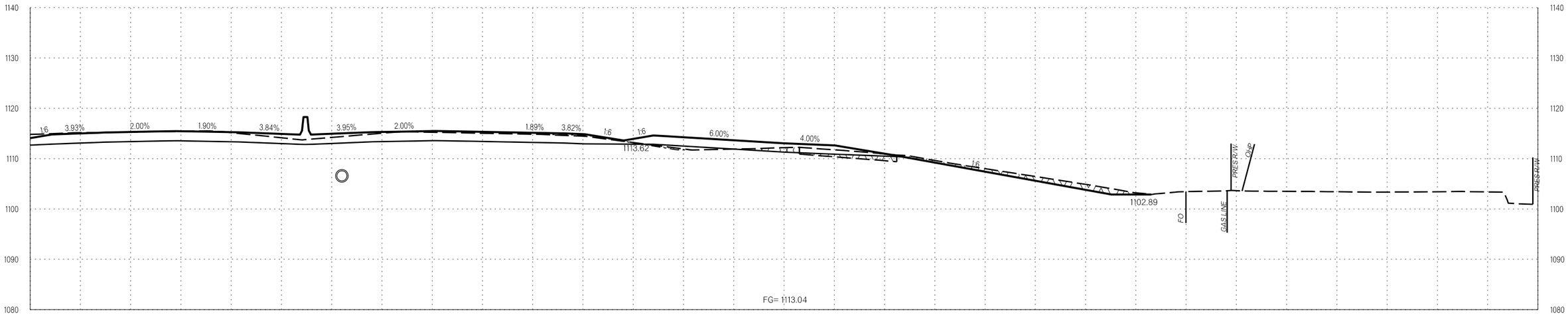
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

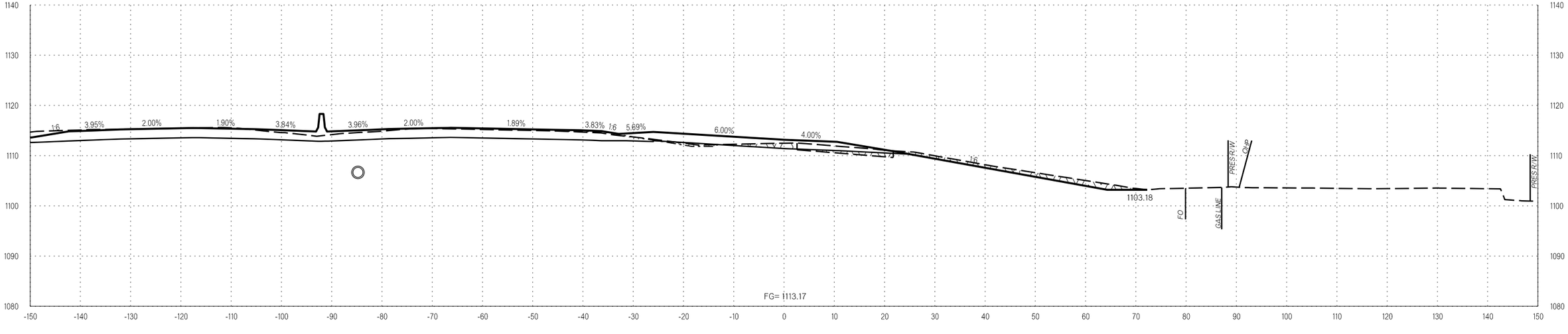
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



131+00.00



130+87.33

RAMP B

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X112

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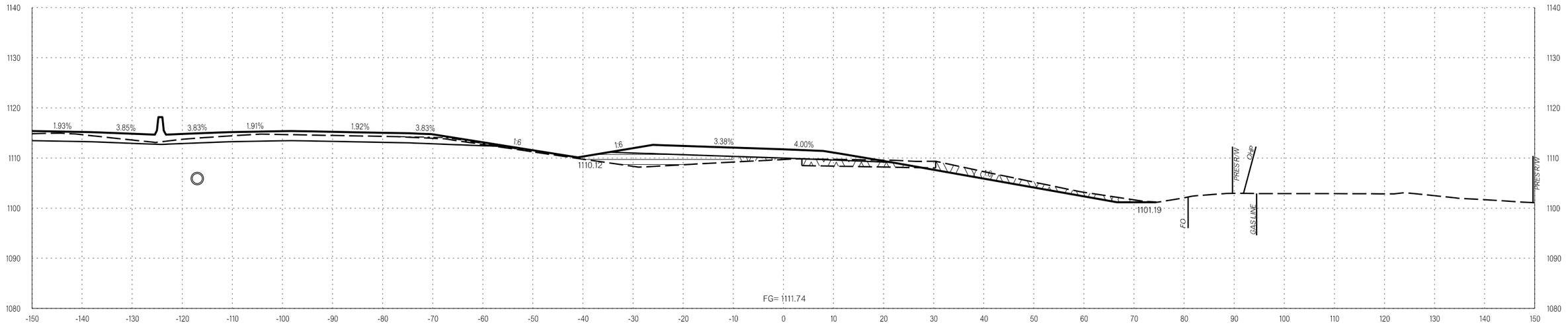
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

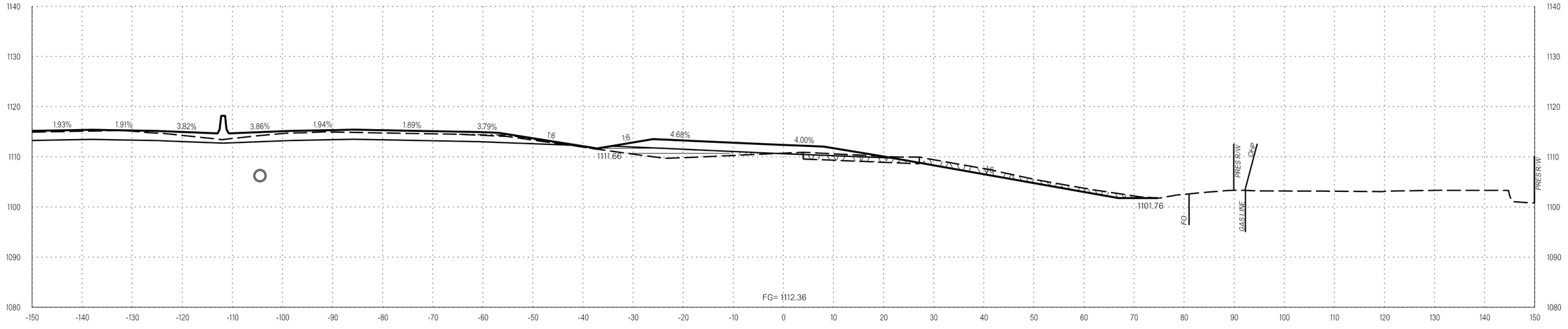
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



132+00.00



131+57.26

RAMP B

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X113

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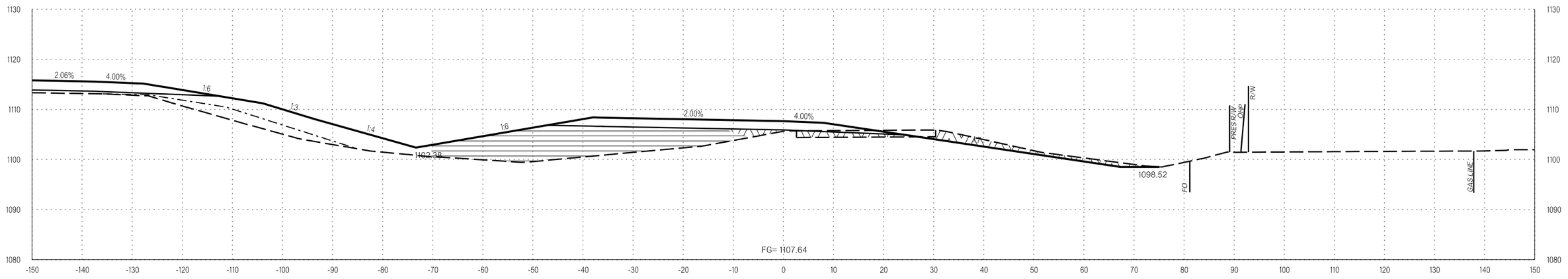
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

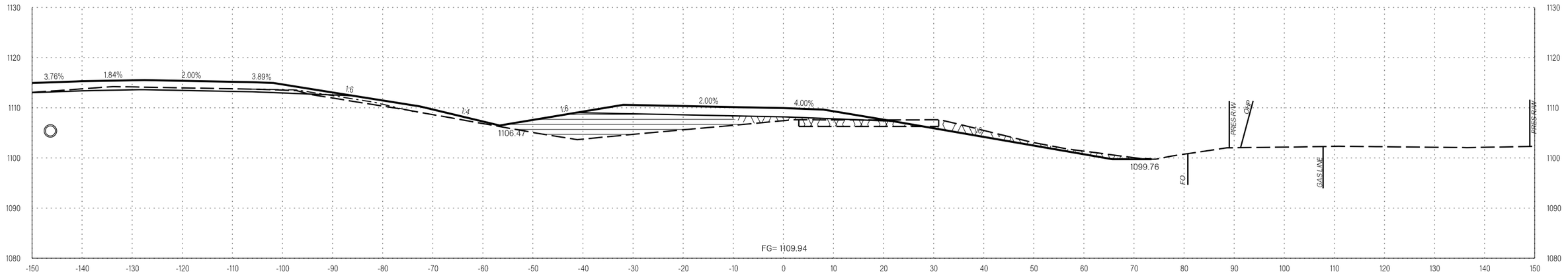
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



134+00.00



133+00.00

RAMP B

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X114

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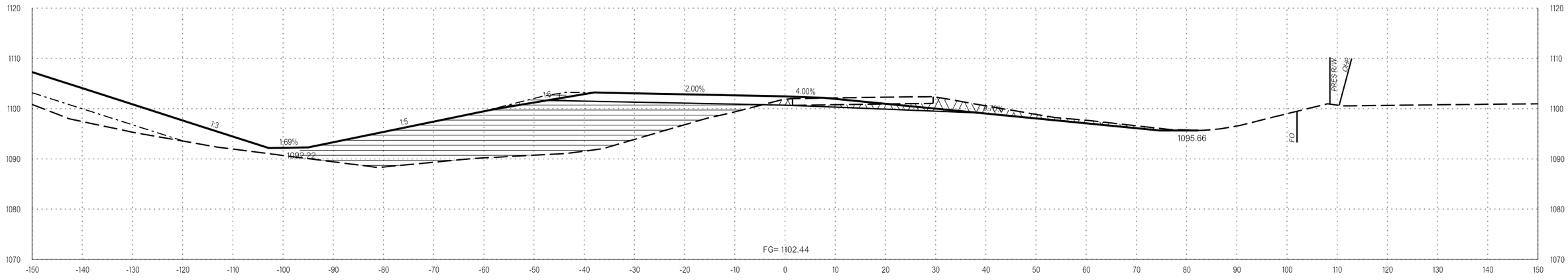
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

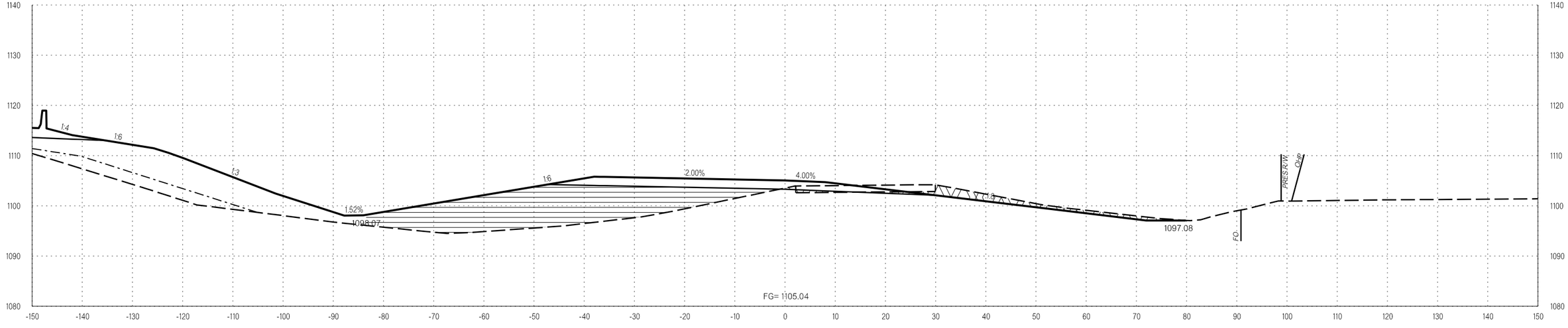
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



136+00.00



135+00.00

RAMP B

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X115

3/28/2025 9:36:24 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

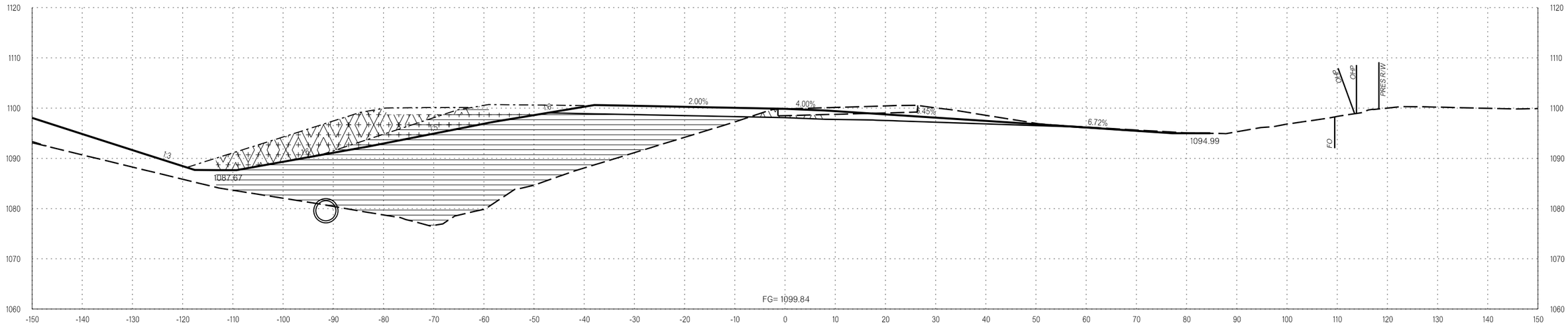
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

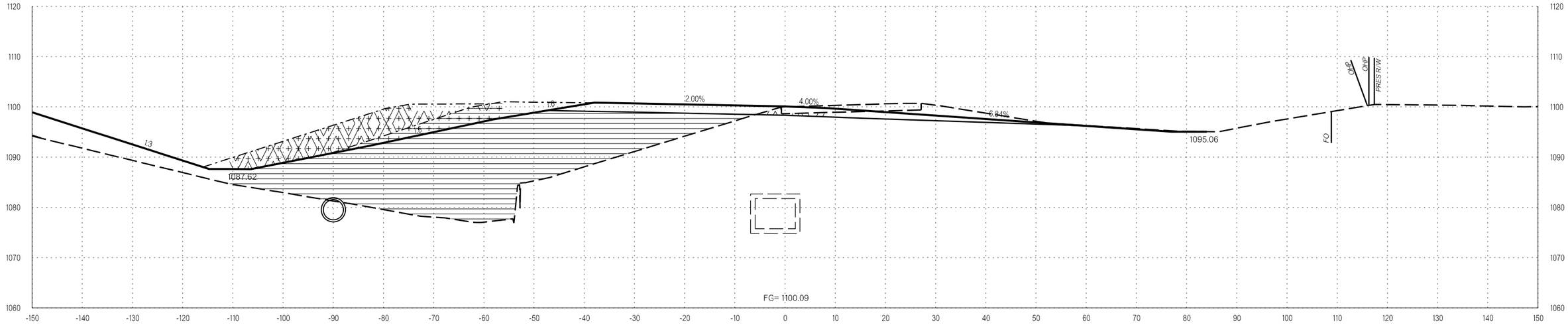
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



137+00.00



136+90.69

RAMP B

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X116

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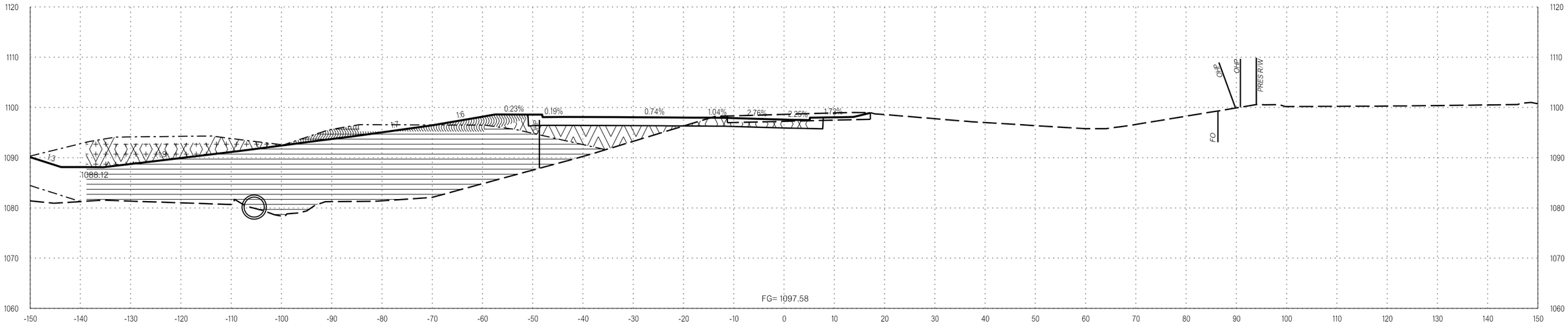
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

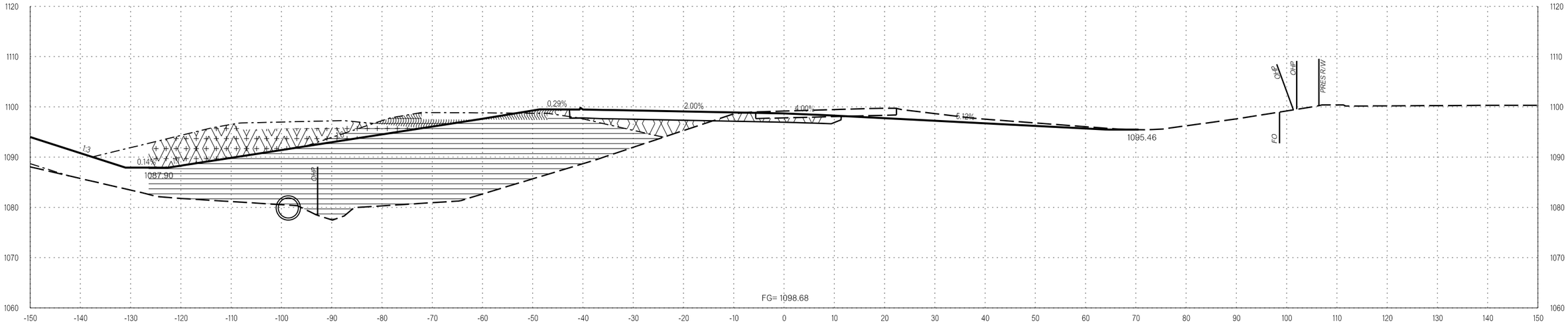
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



137+87.17



137+44.74

RAMP B

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X117

3/28/2025 9:36:27 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

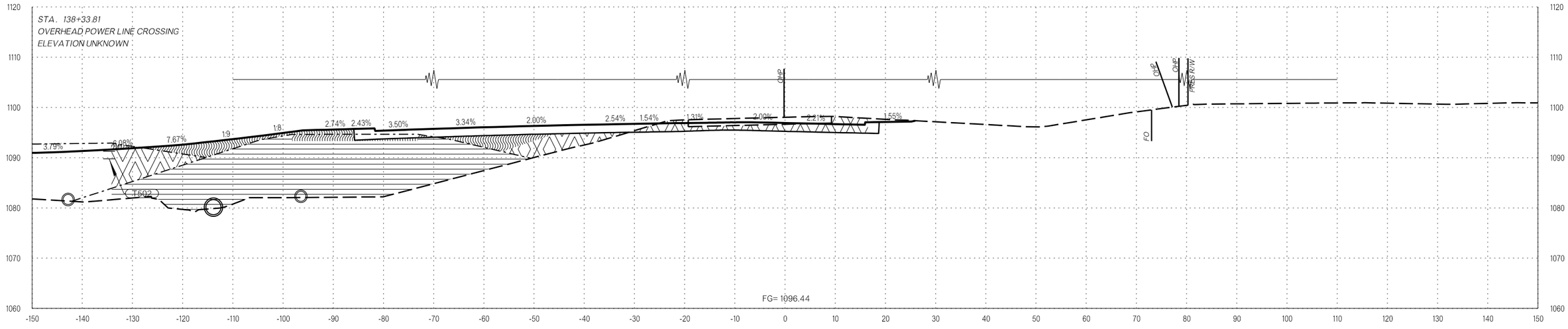
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

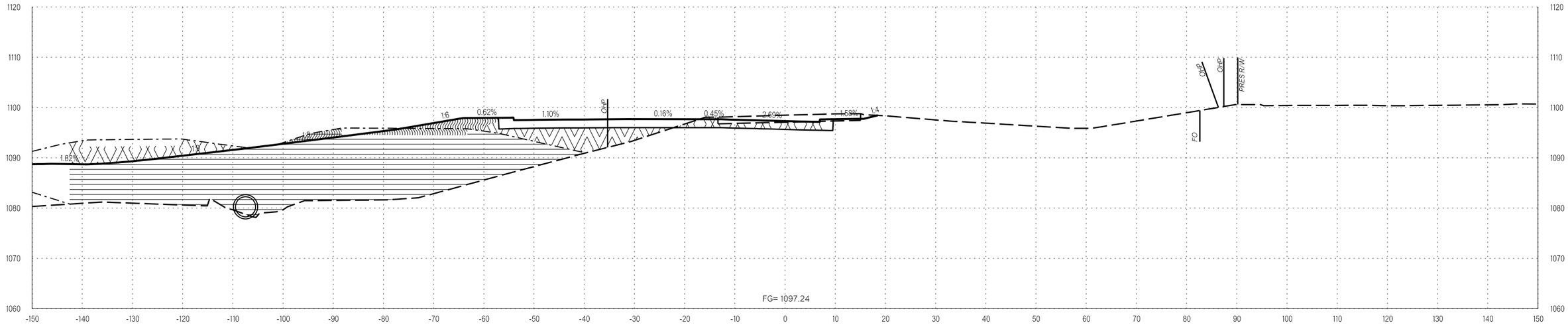
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



138+33.77



138+00.00

3/28/2025 9:36:28 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

RAMP B

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X118

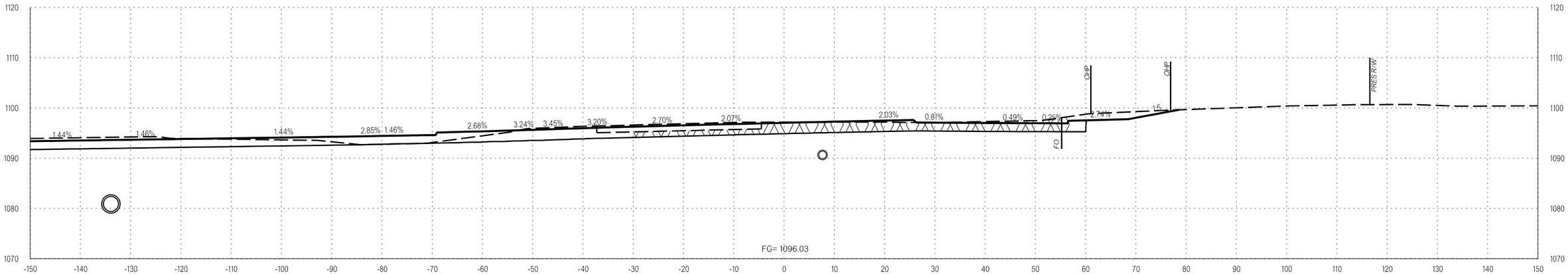
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

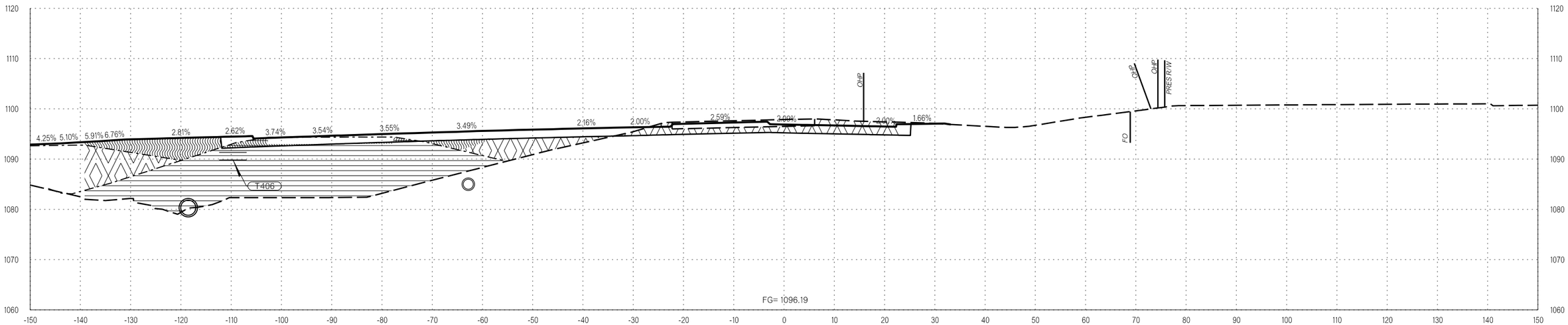
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



139+00.00



138+49.20

RAMP B

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X119

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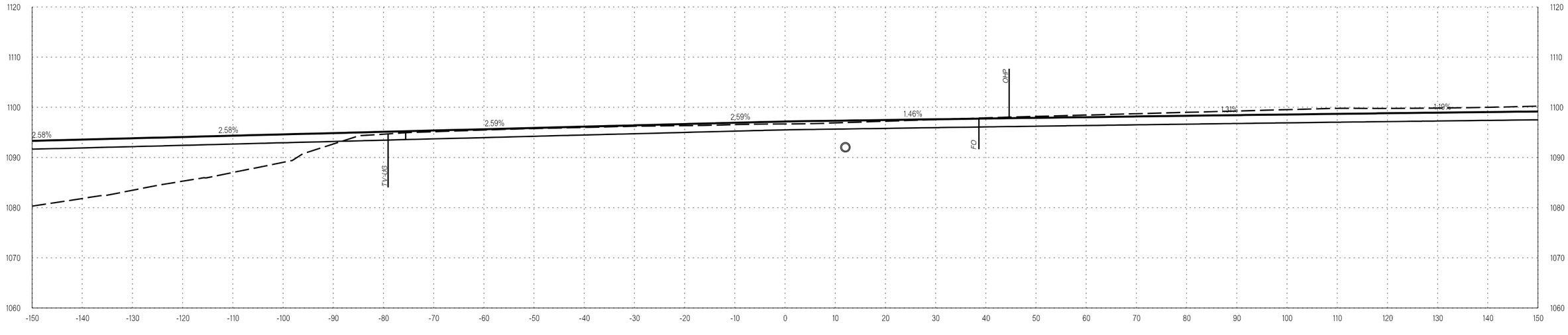
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



139+64.32

RAMP B

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X120

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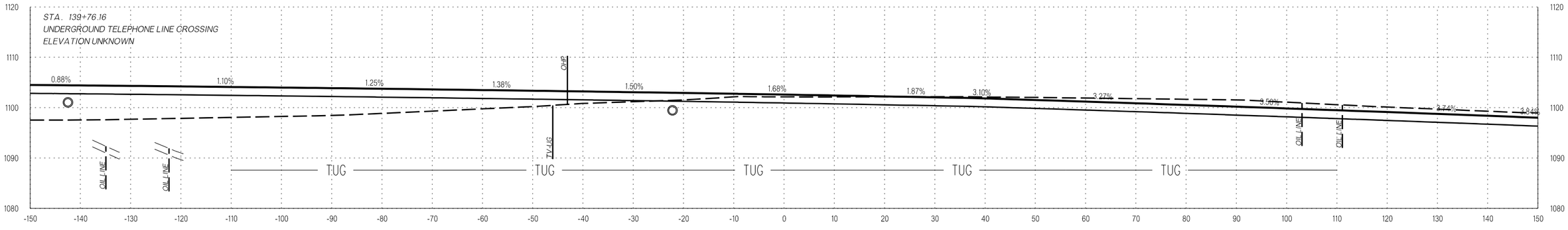
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

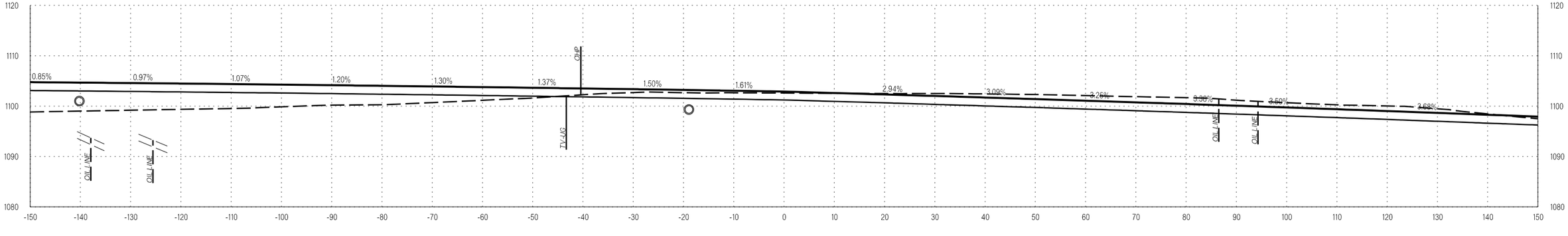
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



139+00.00



138+88.86

RAMP C

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X121

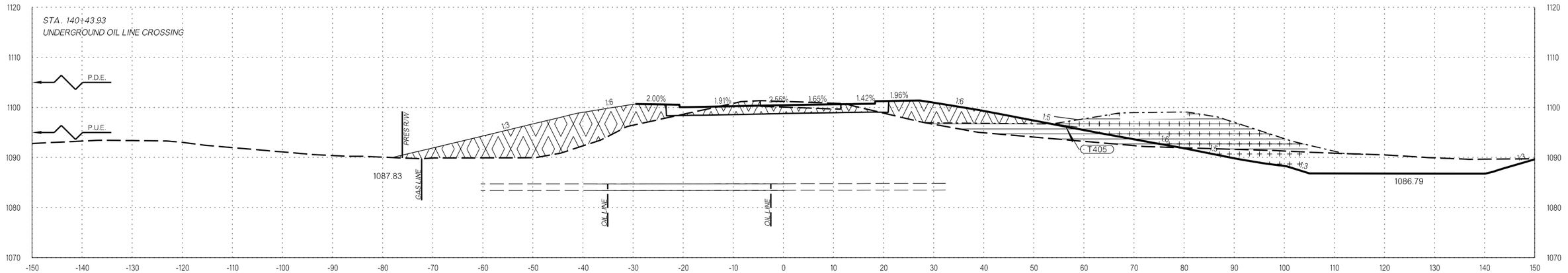
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OKLAHOMA DEPARTMENT OF TRANSPORTATION

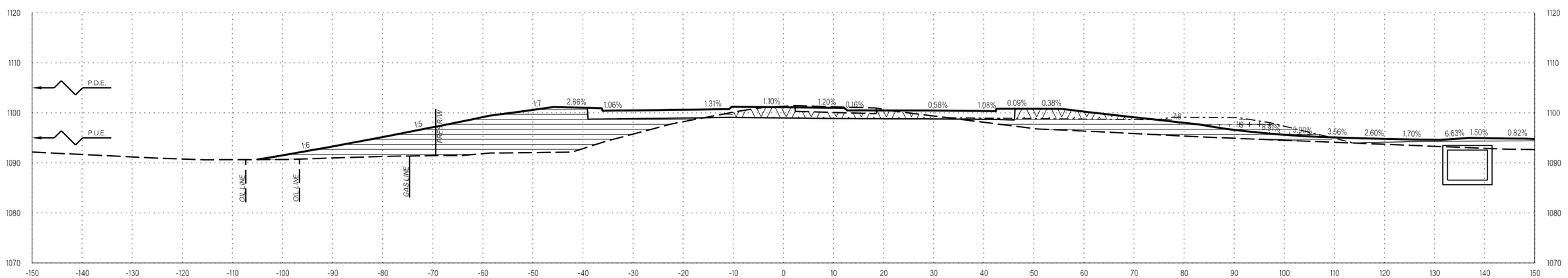
FINAL FIELD MEETING

3/28/2025

LEGEND		
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



140+43.93



140+00.00

RAMP C

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X122

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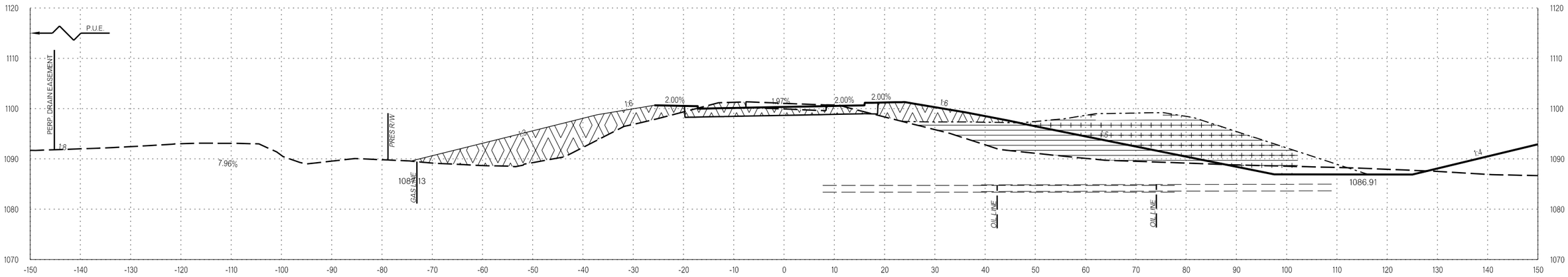
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

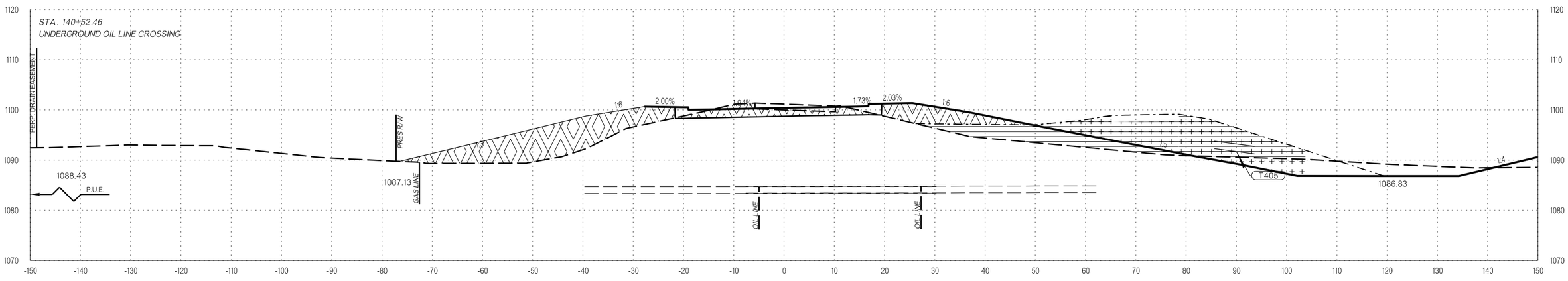
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



140+65.88



140+52.46

L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn 9:36:36 AM 3/28/2025

RAMP C

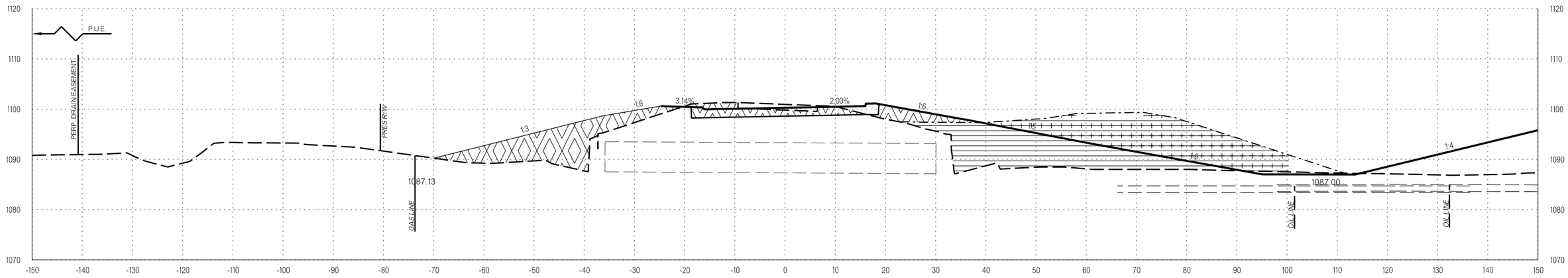
COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X123

OKLAHOMA DEPARTMENT OF TRANSPORTATION

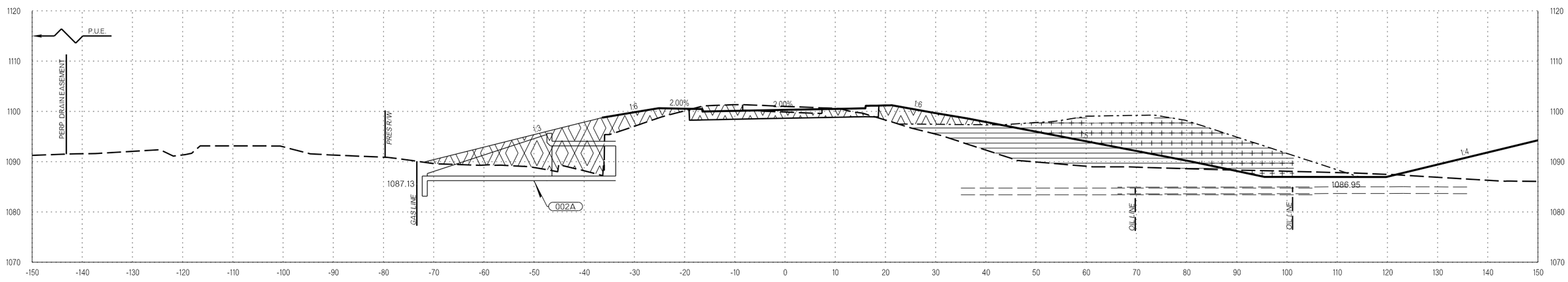
FINAL FIELD MEETING

3/28/2025

LEGEND		
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



140+82.62



140+73.64

RAMP C

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X124

3/28/2025 9:36:37 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

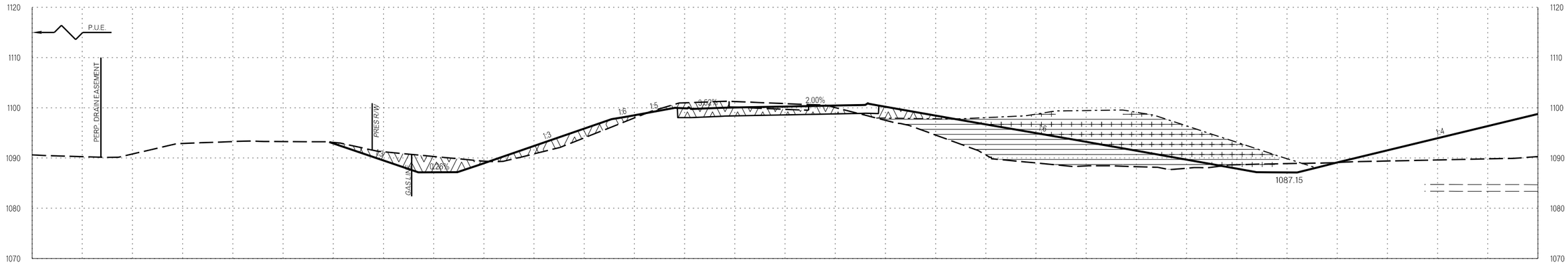
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

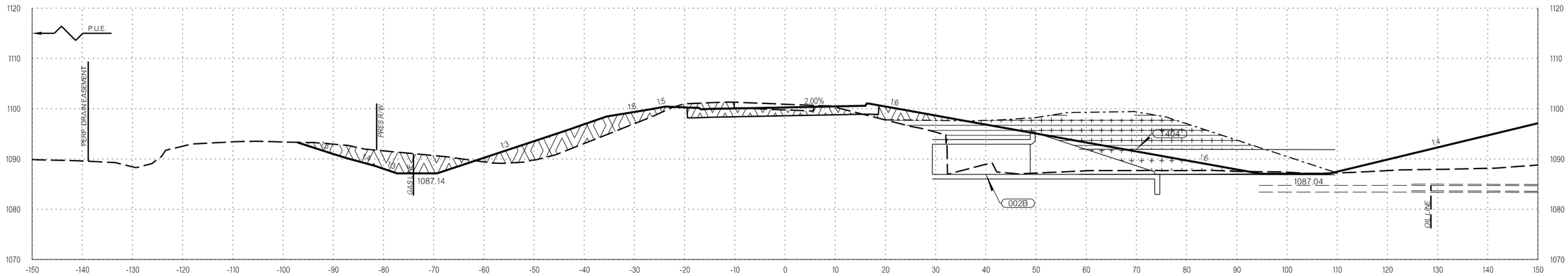
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



141+00.00



140+90.36

RAMP C

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X125

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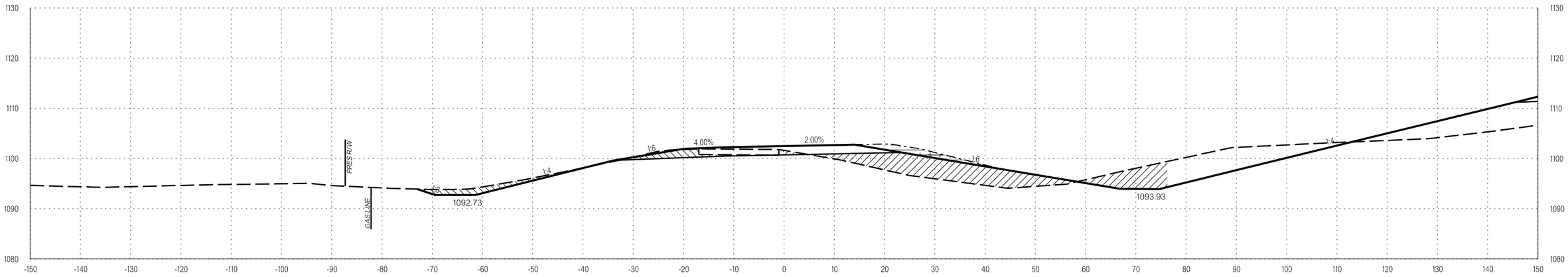
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

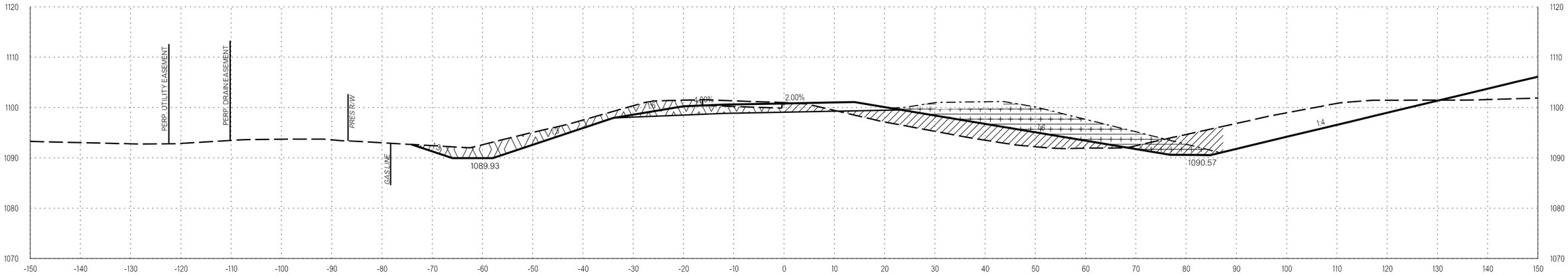
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



143+00.00



142+00.00

RAMP C

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X126

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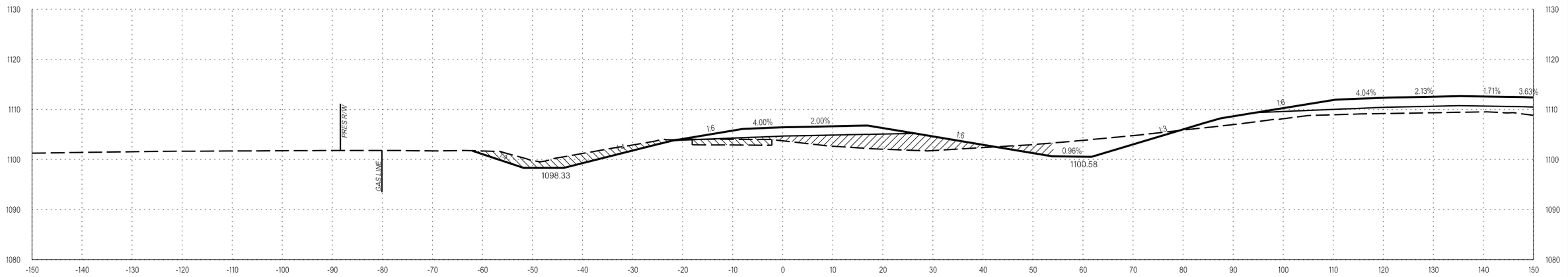
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

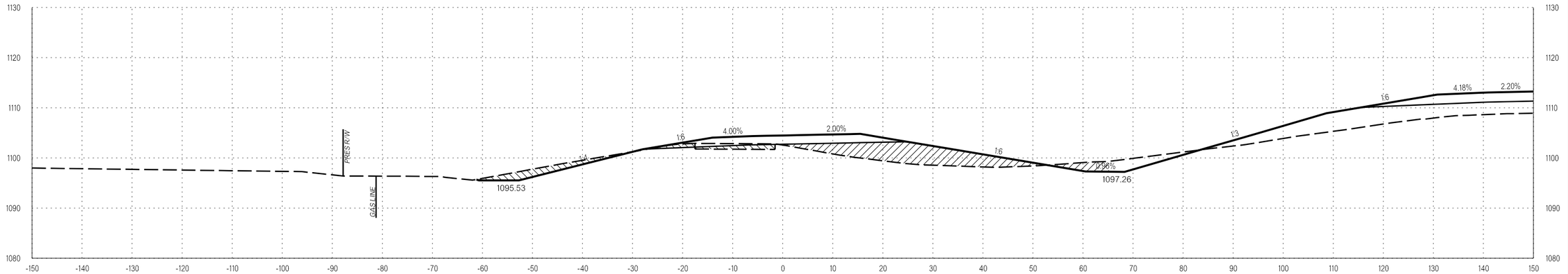
3/28/2025

LEGEND

- PROPOSED
- TEMPORARY
- EXISTING GROUND
- PHASE 1
- PHASE 2A
- PHASE 2B
- PHASE 3
- PHASE 4A
- PHASE 5
- PHASE 6
- PHASE 7



145+00.00



144+00.00

RAMP C

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X127

L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn 3/28/2025 9:36:41 AM

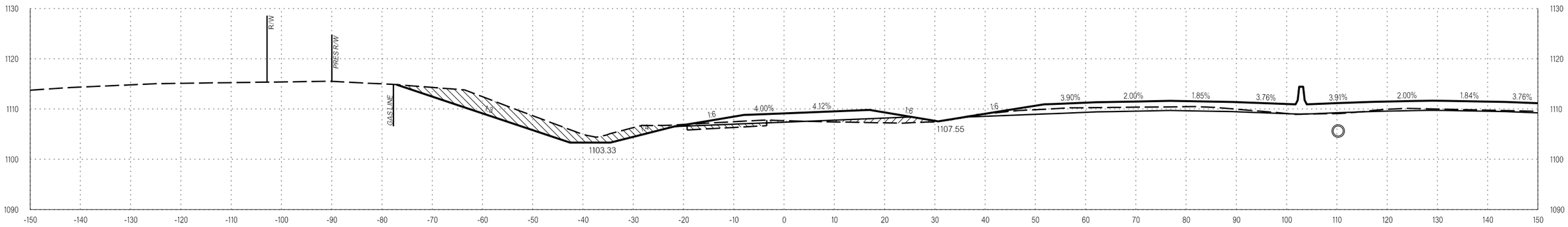
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

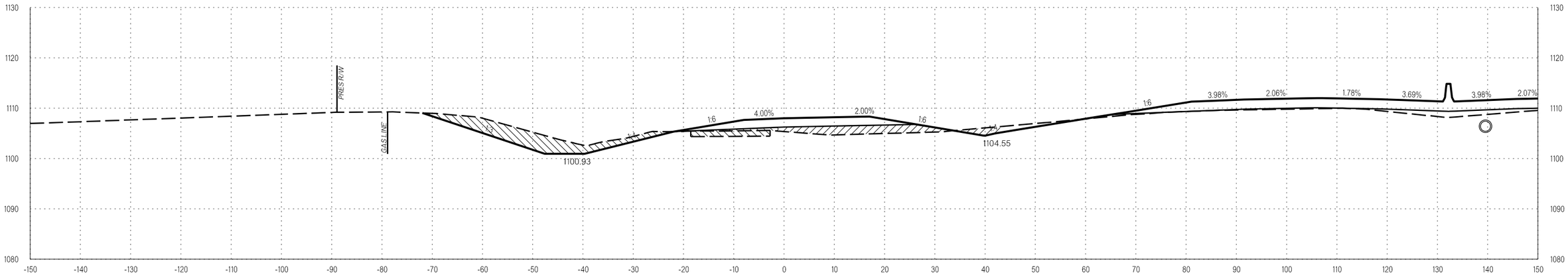
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



147+00.00



146+00.00

RAMP C

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X128

3/28/2025 9:36:43 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

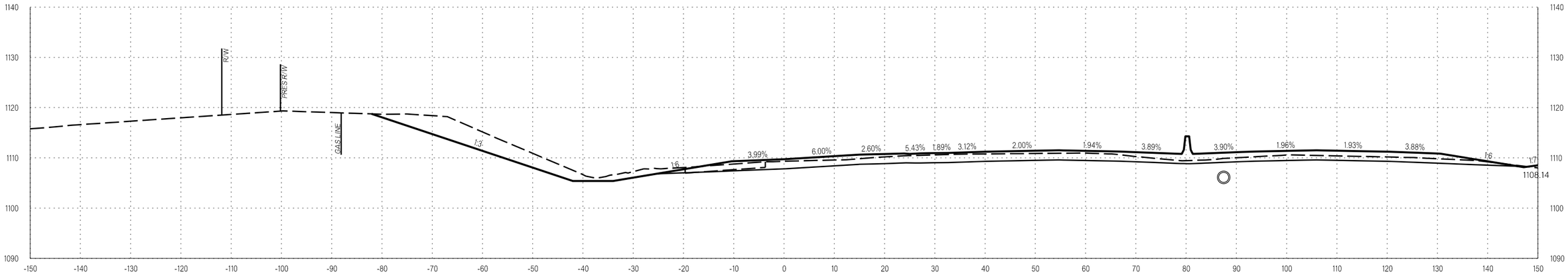
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

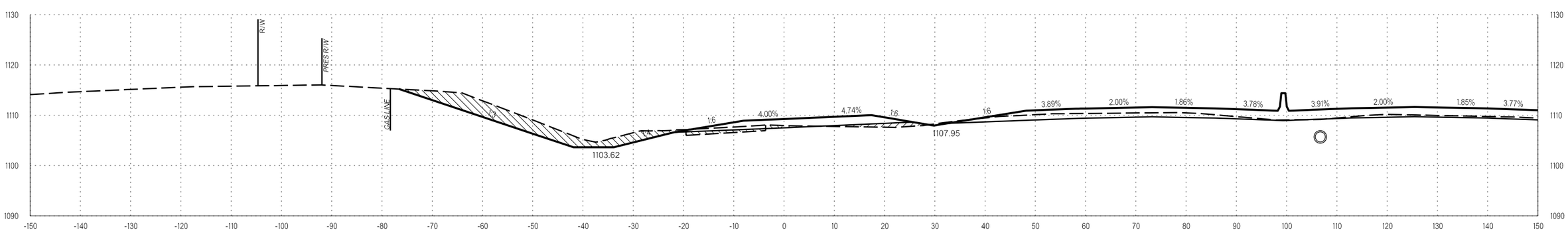
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



147+79.91



147+12.10

RAMP C

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X129

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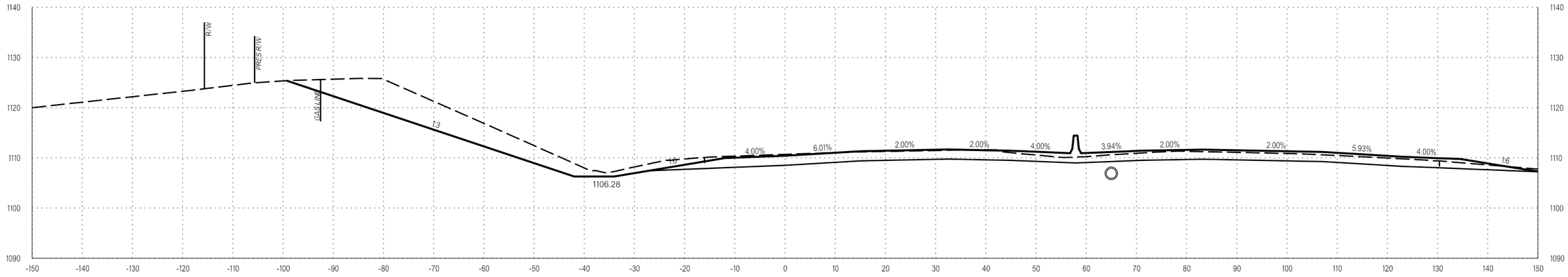
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

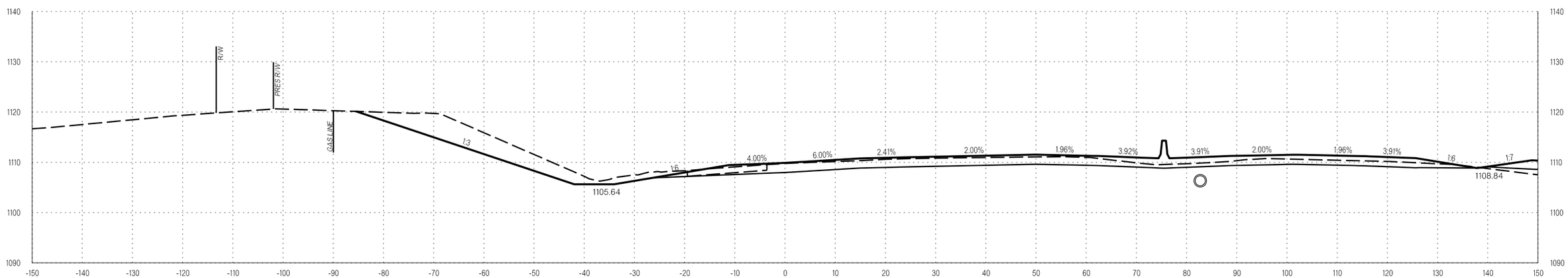
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



149+00.00



148+00.00

RAMP C

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X130

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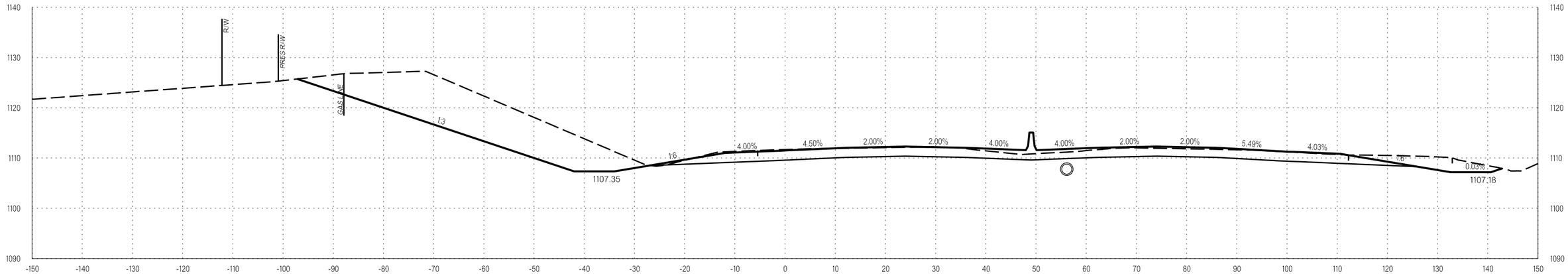
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

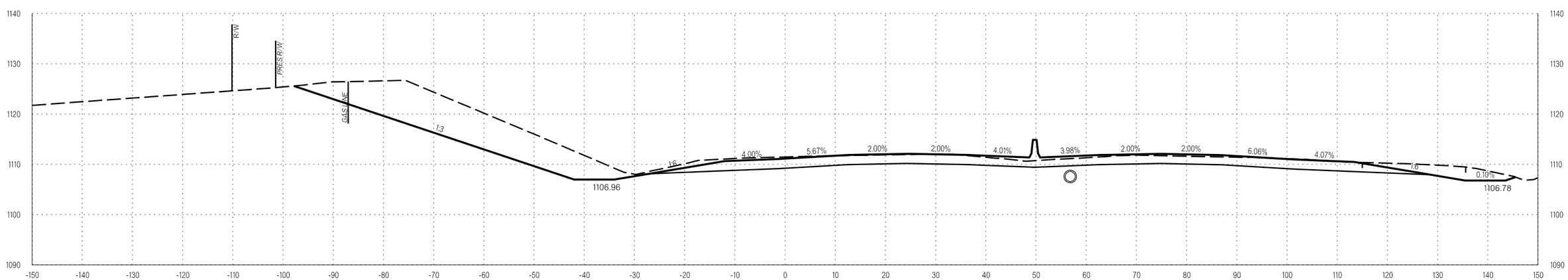
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



150+38.85



150+00.00

RAMP C

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X131

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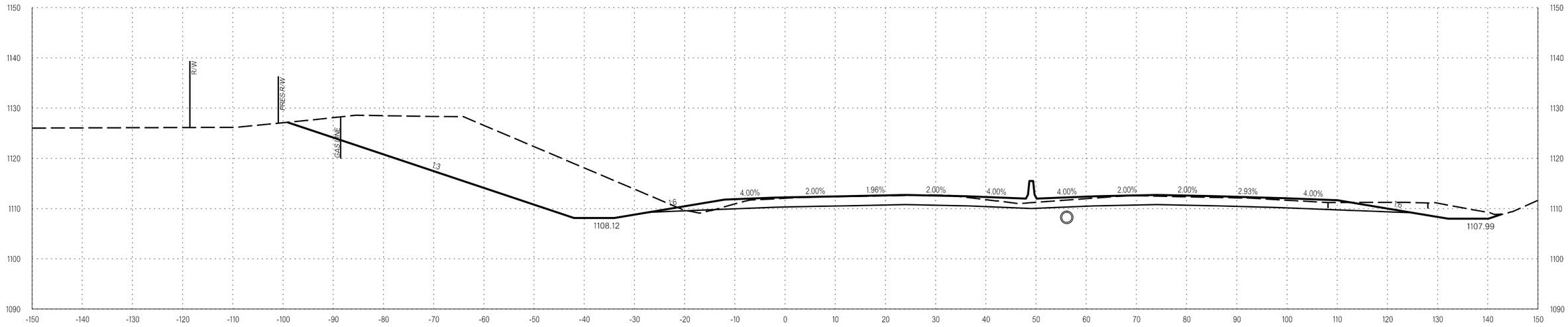
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

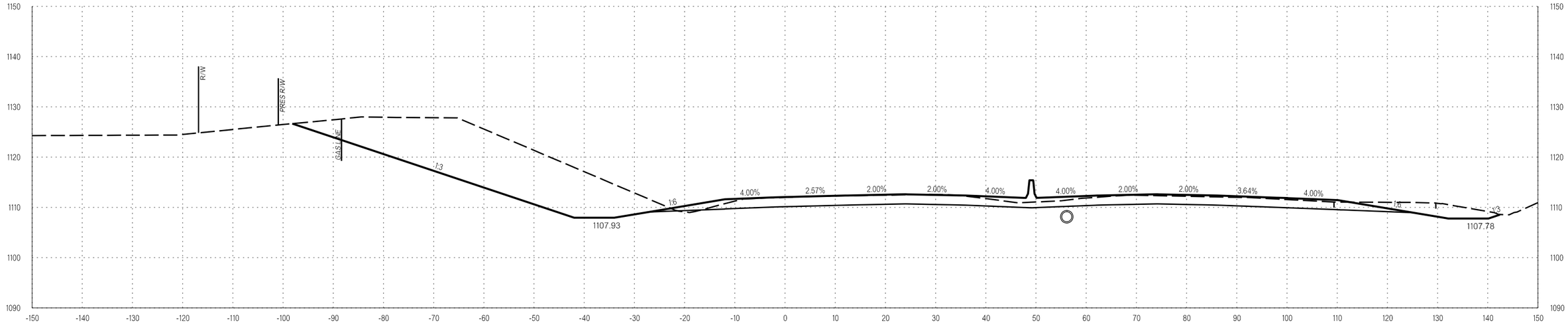
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



151+22.71



151+00.00

3/28/2025 9:36:48 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

RAMP C

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X132

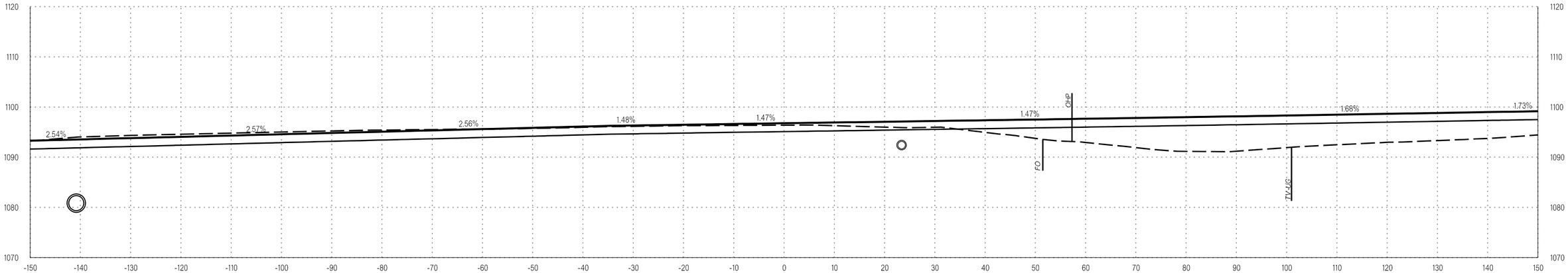
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

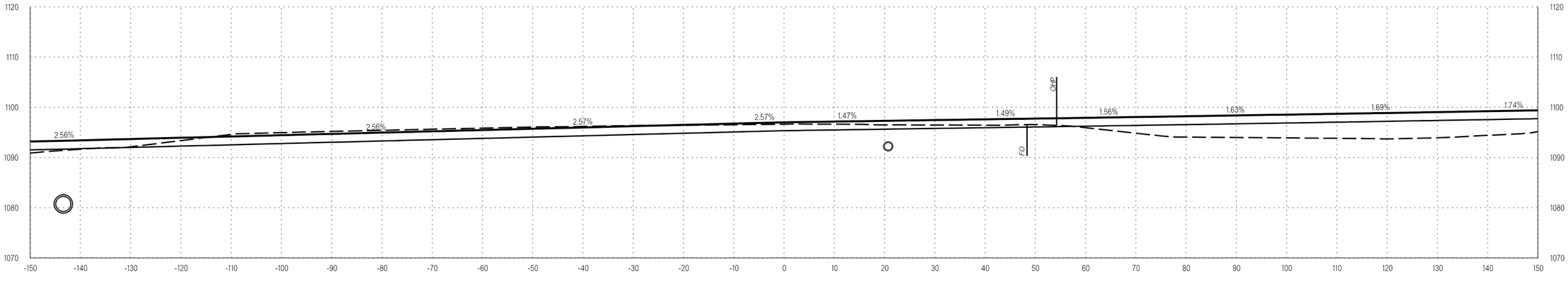
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



139+00.00



138+90.48

RAMP D

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X133

3/28/2025 9:36:49 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

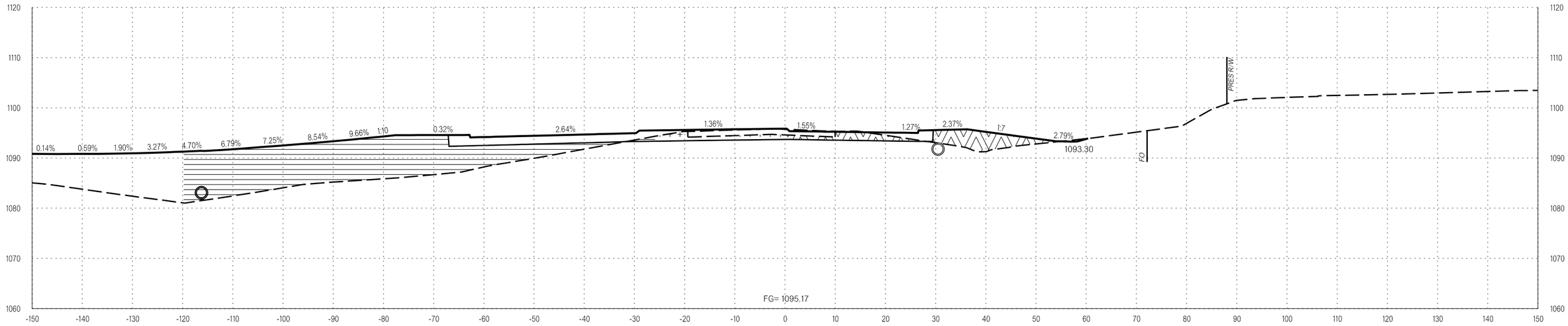
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

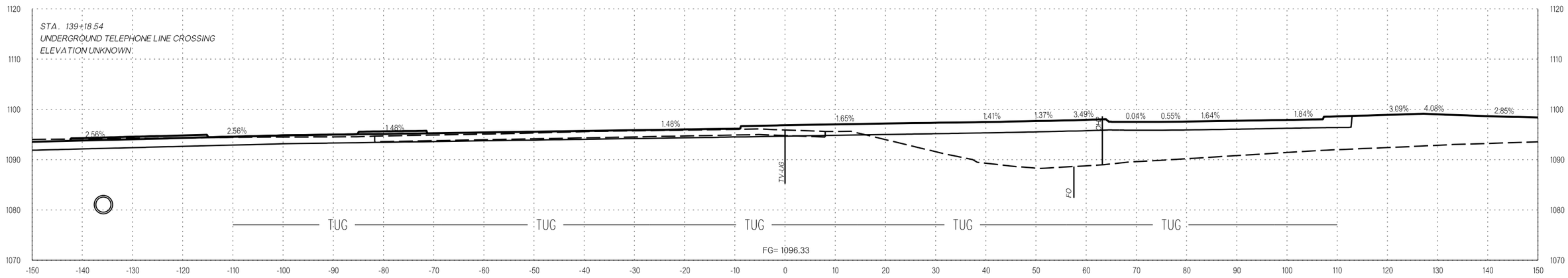
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



140+00.00



139+18.54

RAMP D

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X134

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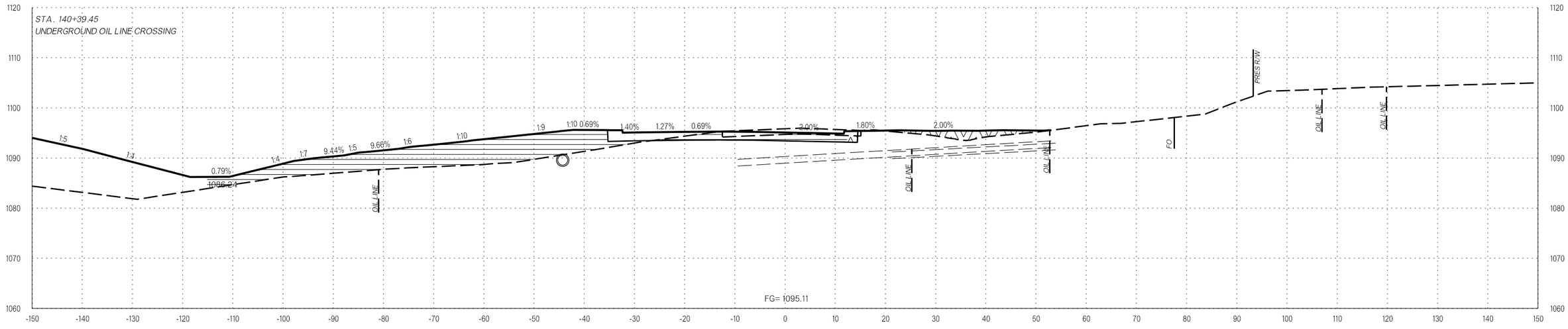
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

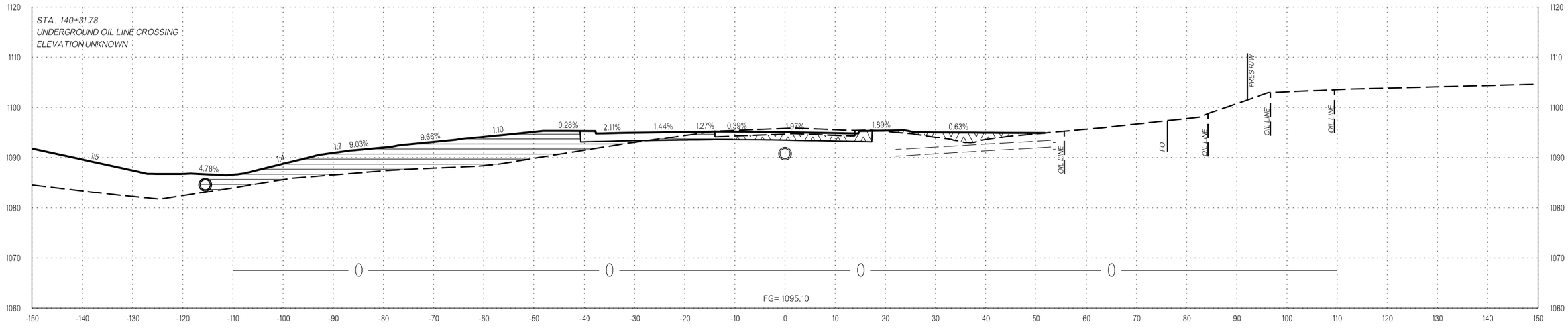
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



140+36.75



140+27.65

3/28/2025 9:36:52 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

RAMP D

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X135

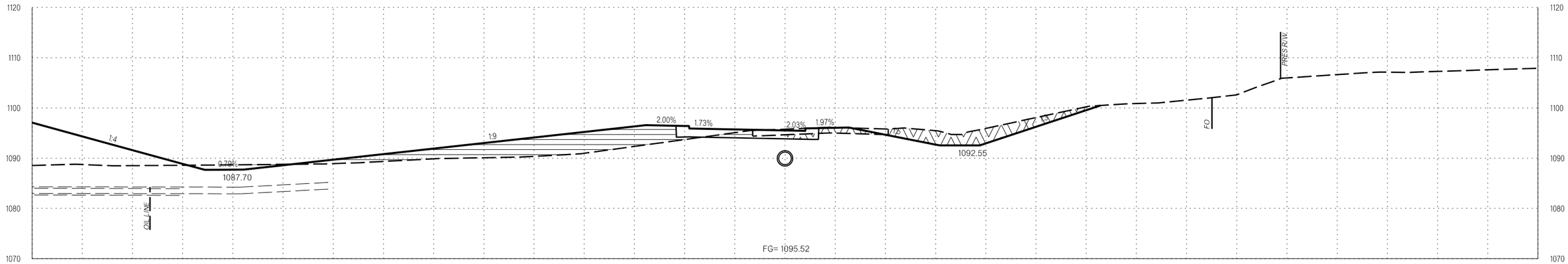
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

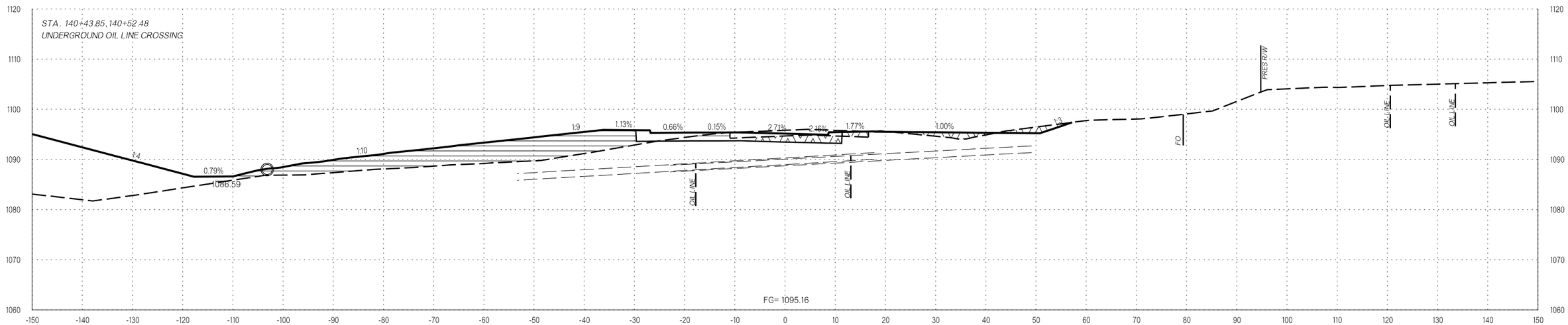
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



140+87.76



140+48.84

RAMP D

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X136

3/28/2025 9:36:54 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

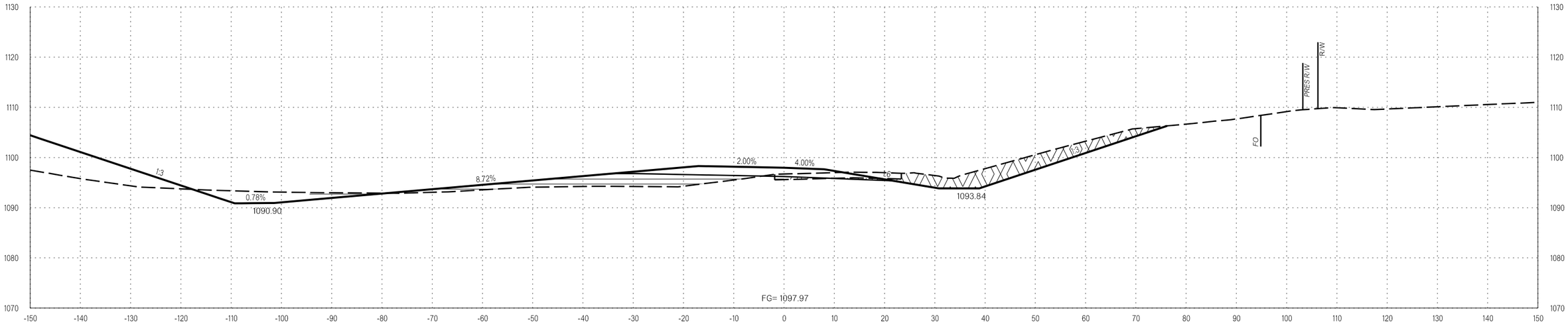
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

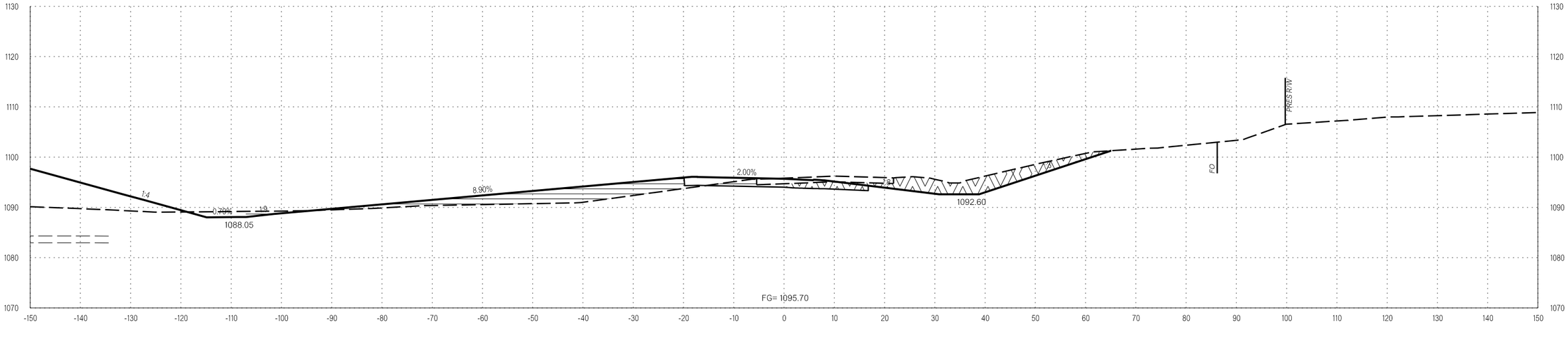
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



142+00.00



141+00.00

RAMP D

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X137

3/28/2025 9:36:55 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

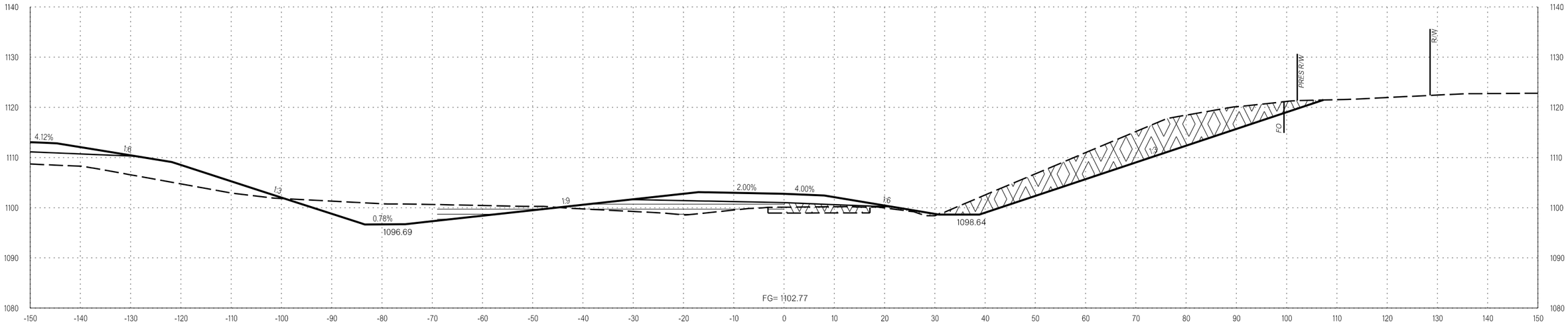
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

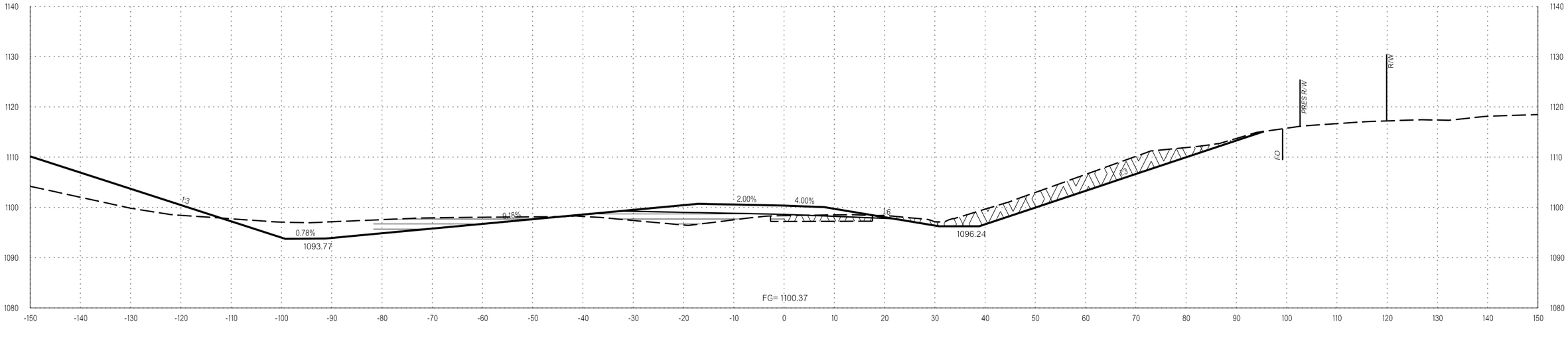
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



144+00.00



143+00.00

RAMP D

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X138

3/28/2025 9:36:57 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

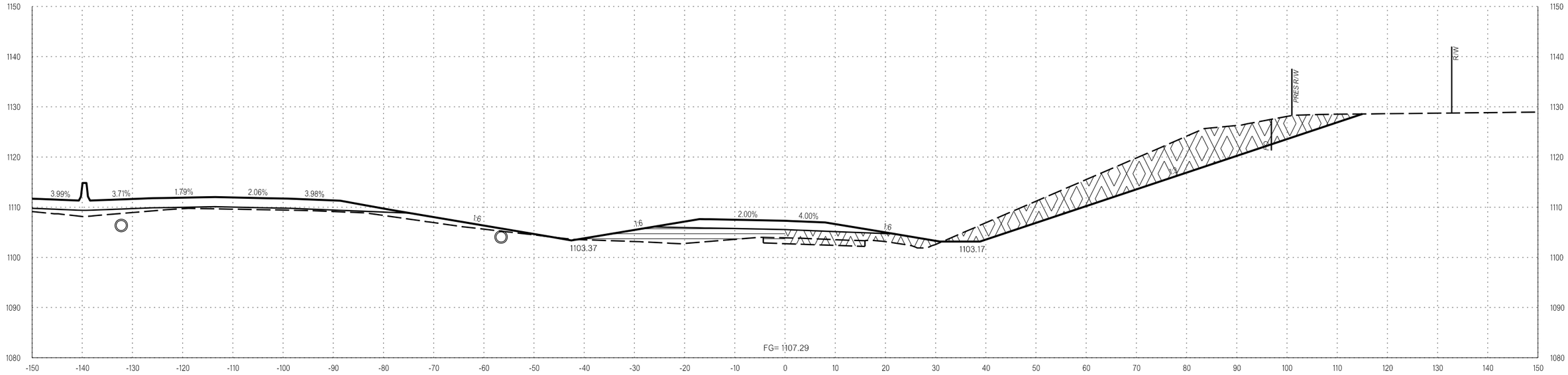
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

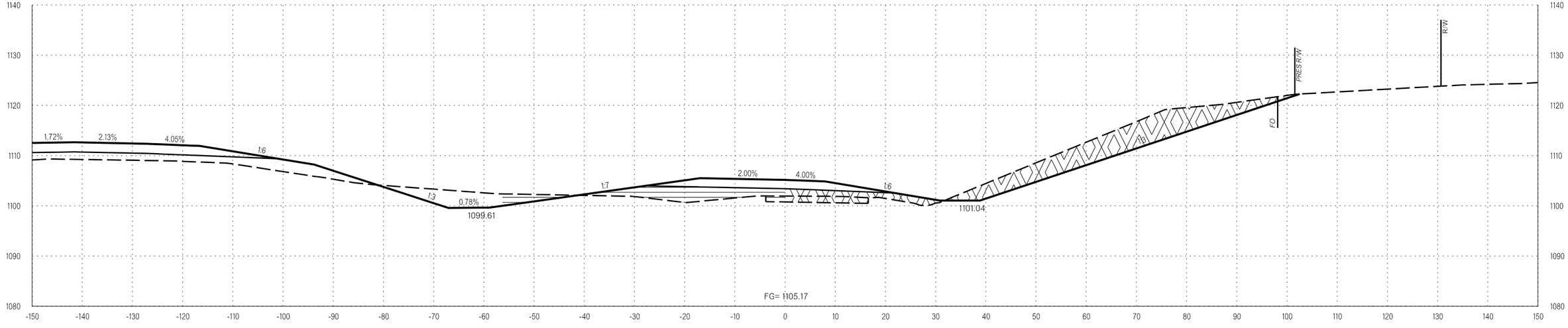
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



146+00.00



145+00.00

RAMP D

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X139

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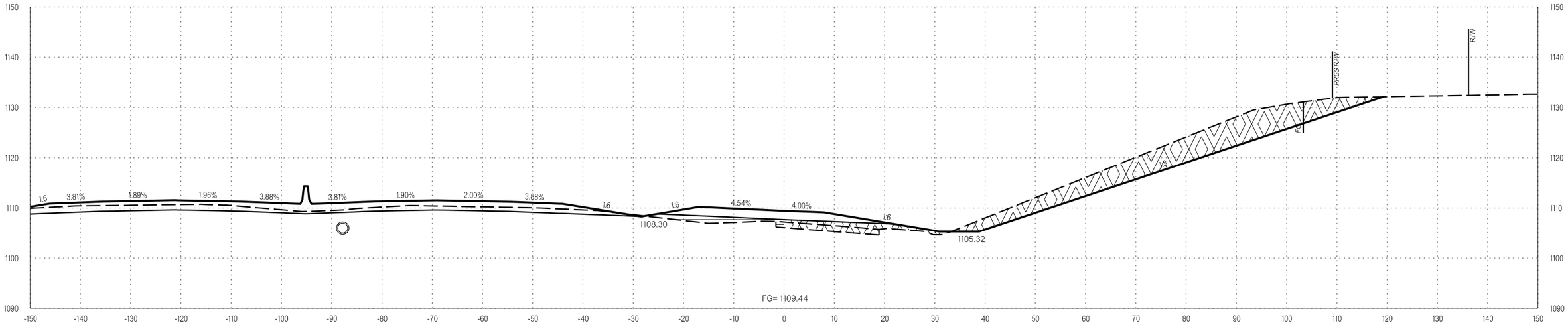
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

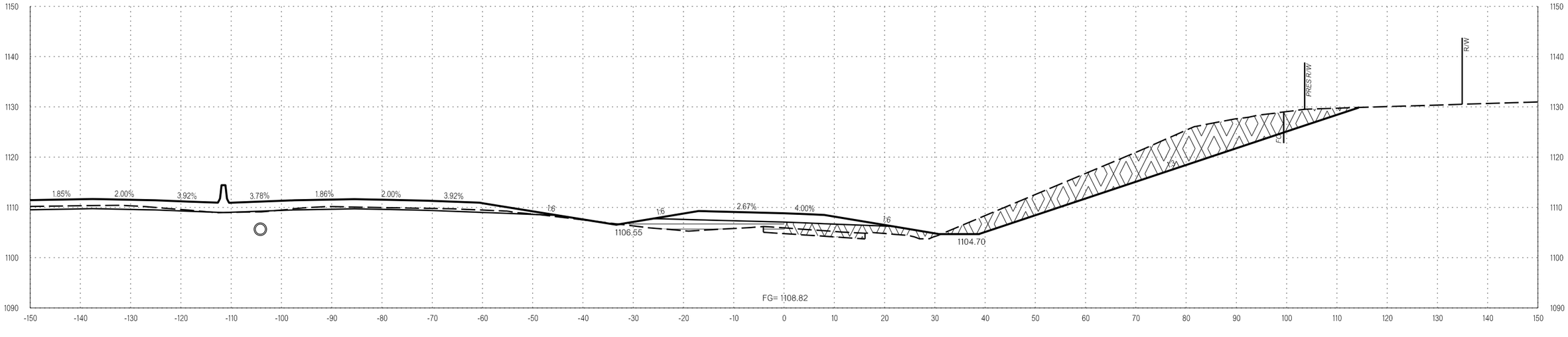
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



147+58.45



147+00.00

RAMP D

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X140

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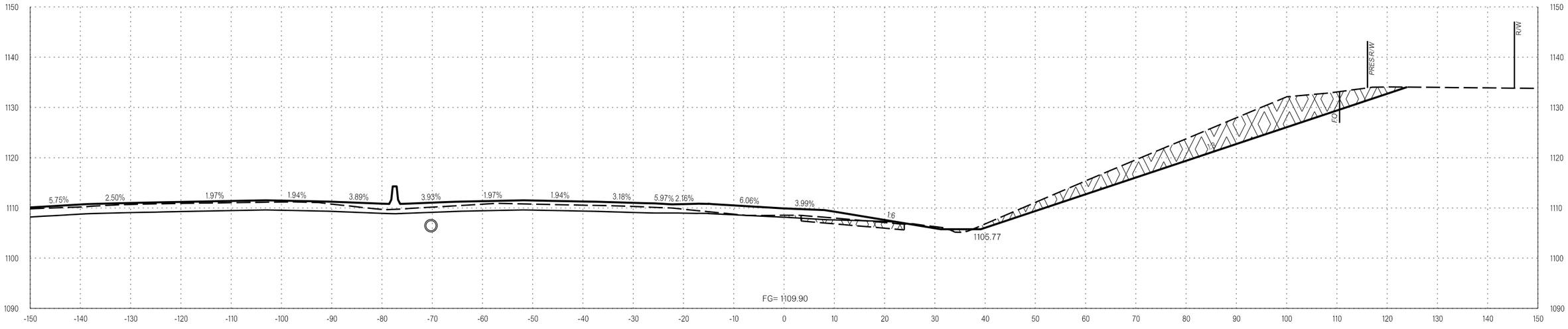
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

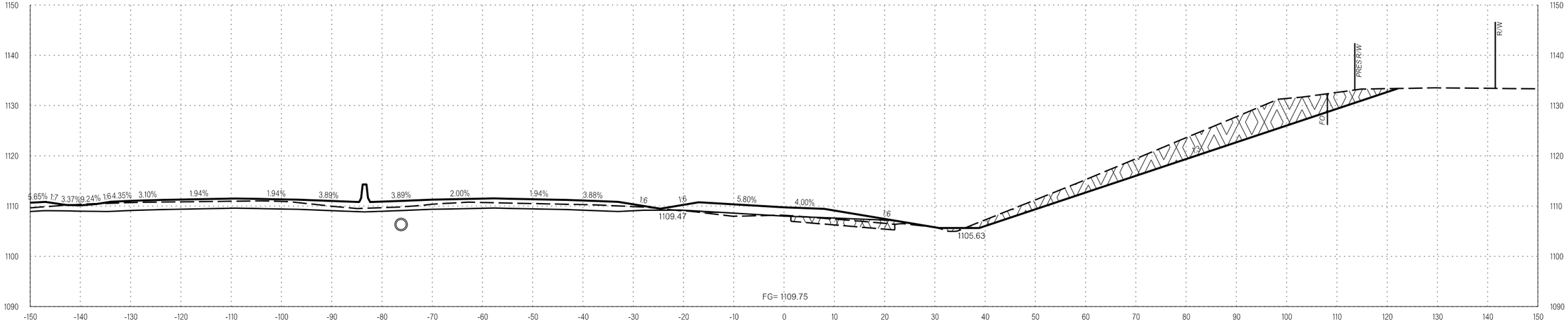
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



148+24.29



148+00.00

RAMP D

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X141

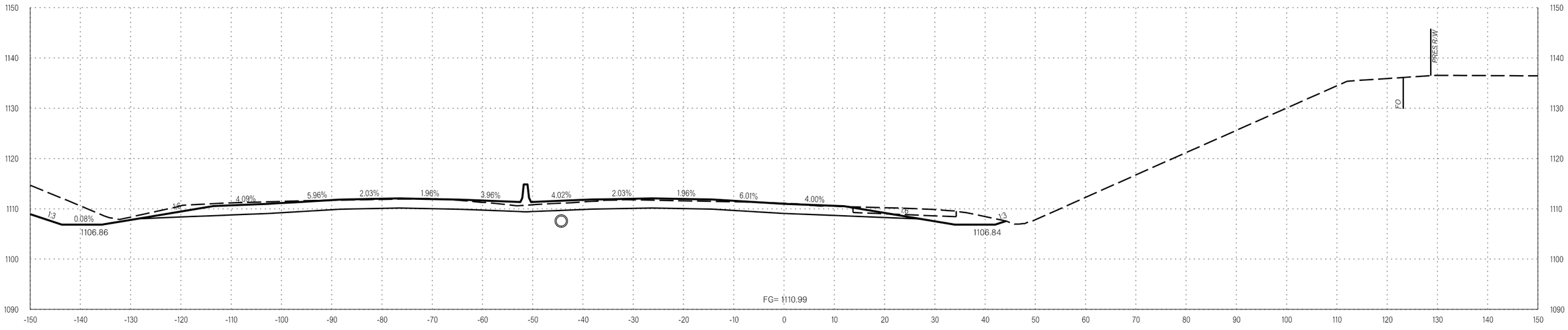
3/28/2025 9:37:01 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

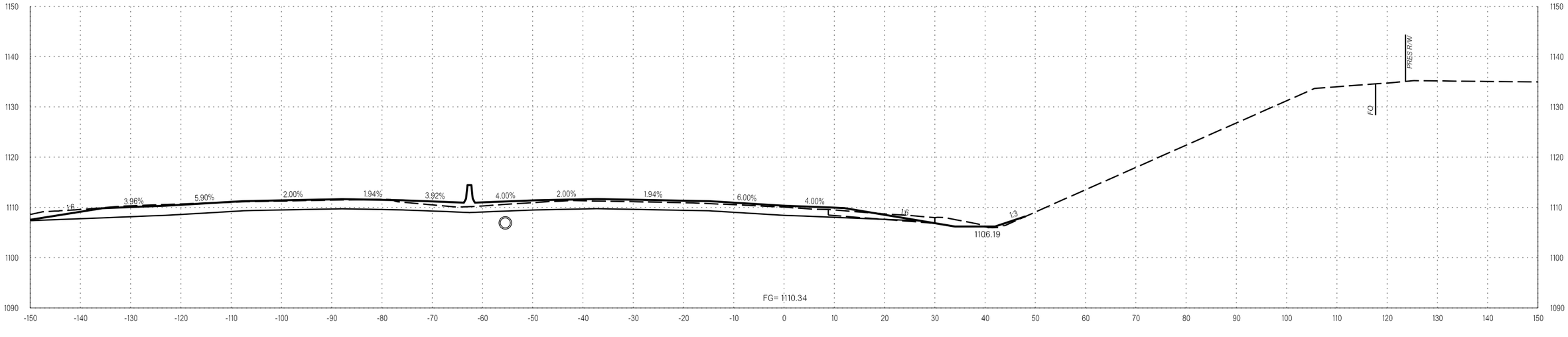
FINAL FIELD MEETING

3/28/2025

LEGEND		
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



150+00.00



149+00.00

RAMP D

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X142

3/28/2025 9:37:02 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

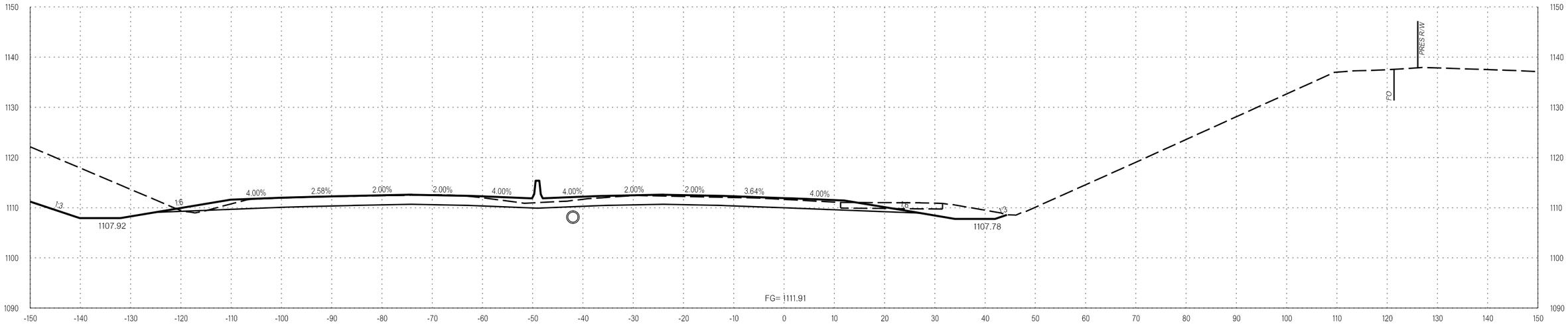
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

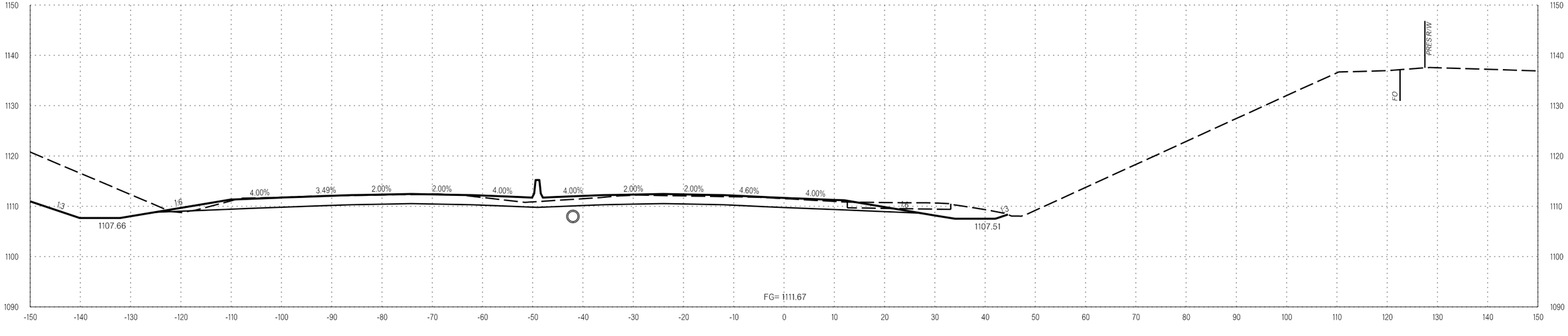
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



151+00.00



150+71.70

RAMP D

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X143

3/28/2025 9:37:04 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

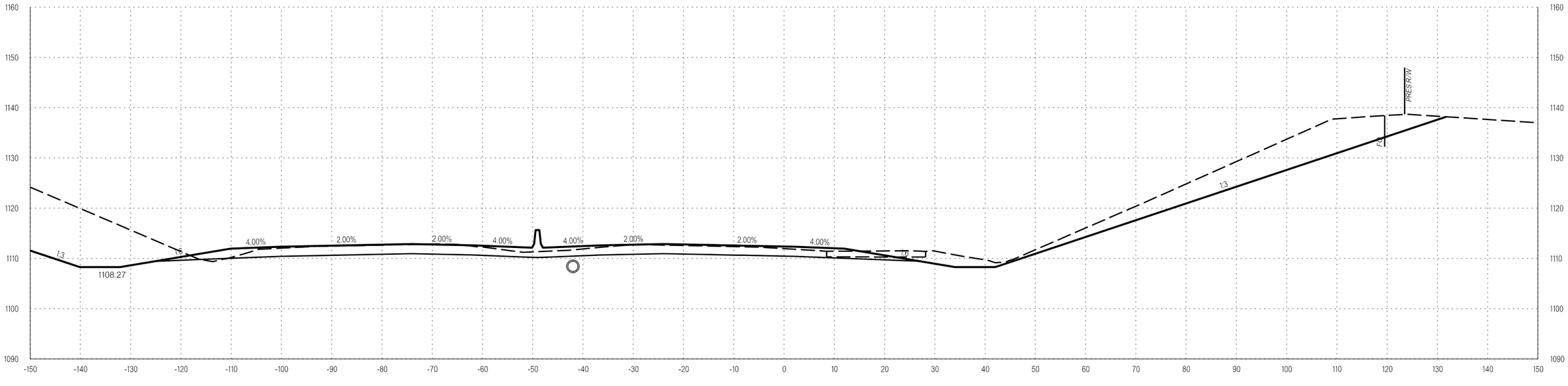
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



151+52.56

RAMP D

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X144

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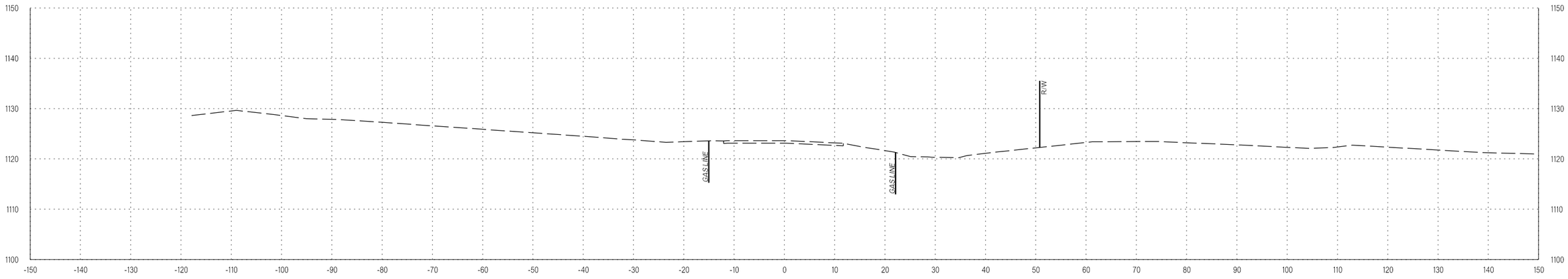
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

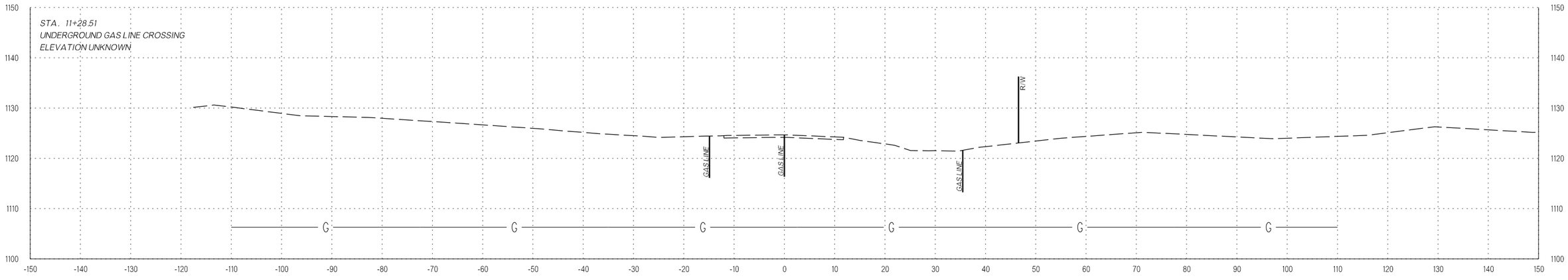
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



11+50.00



11+28.51

3/28/2025 9:37:06 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

BOUCHER

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X145

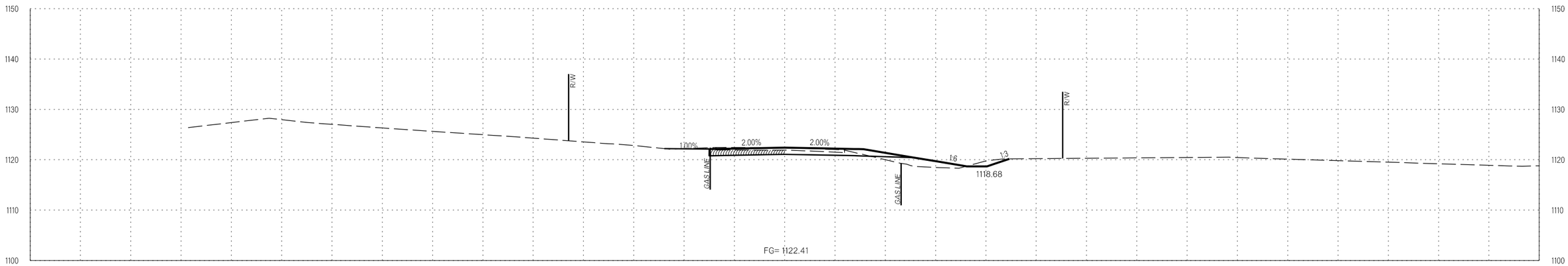
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

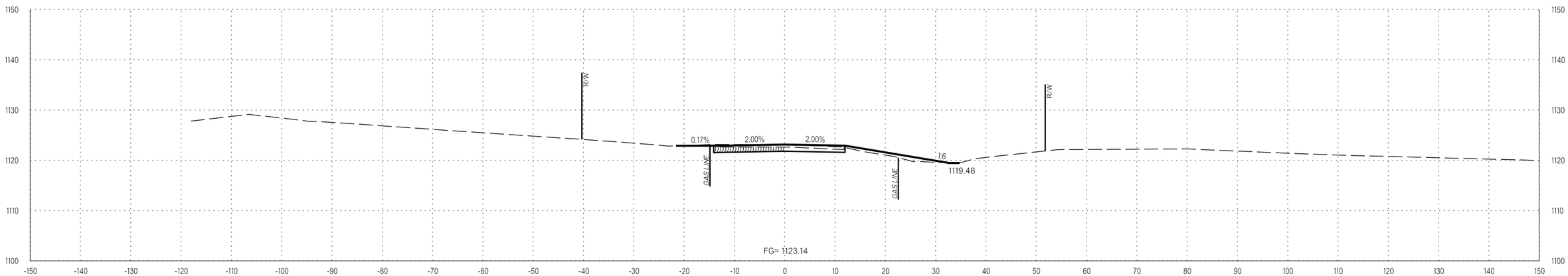
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



11+80.00



11+61.65

BOUCHER

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X146

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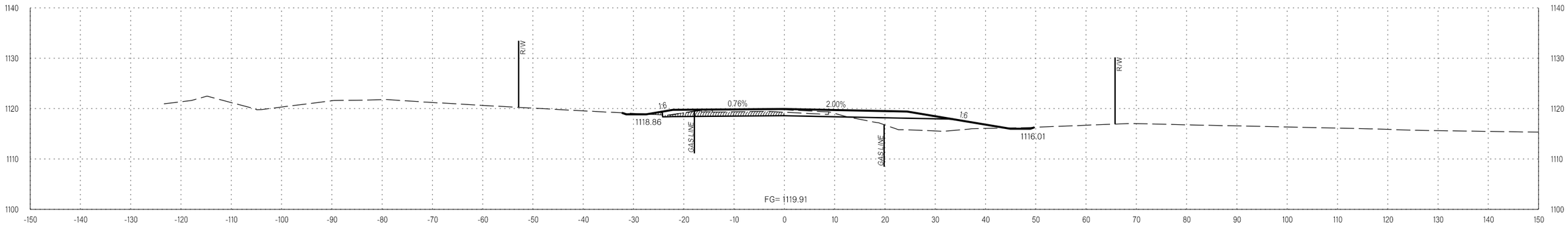
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

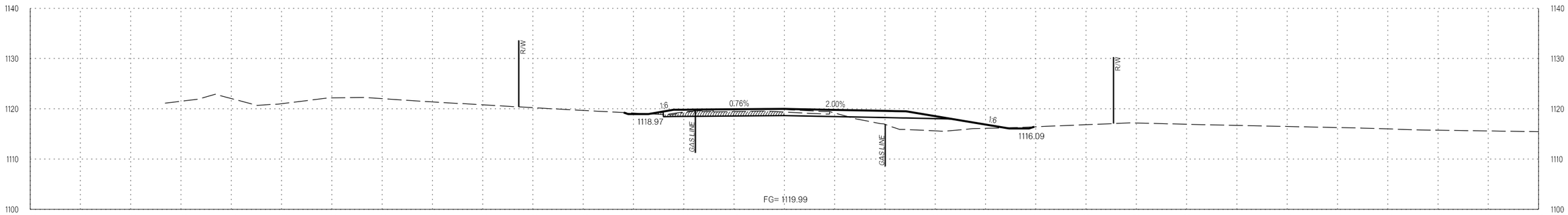
3/28/2025

LEGEND

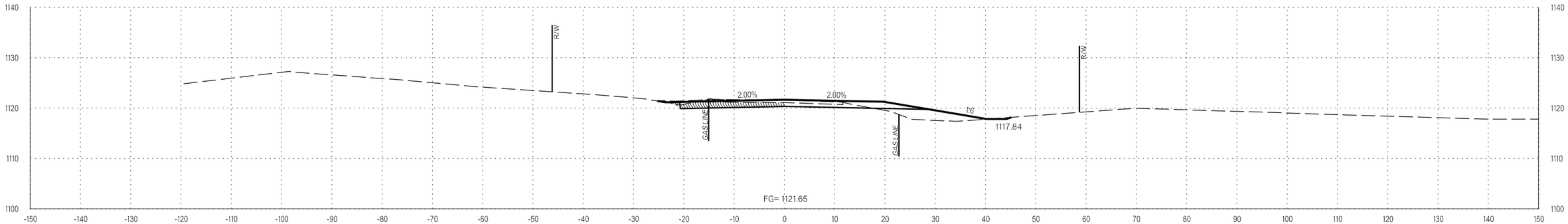
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



12+50.00



12+47.60



12+00.00

BOUCHER

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X147

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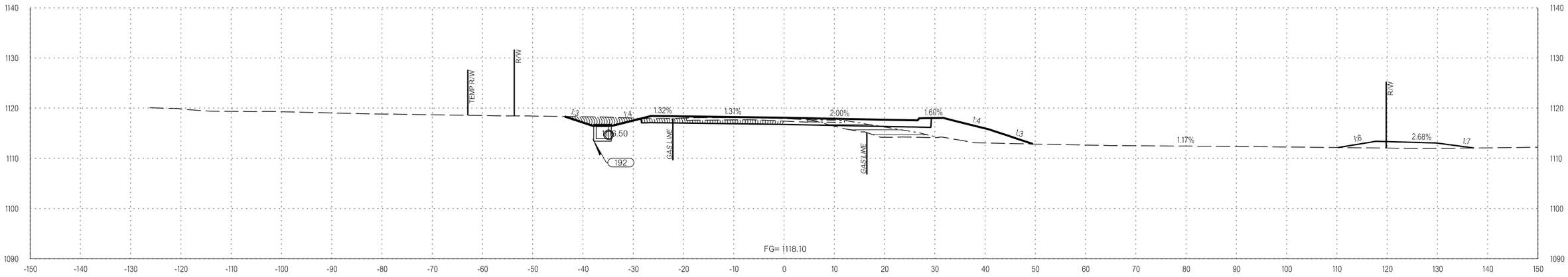
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

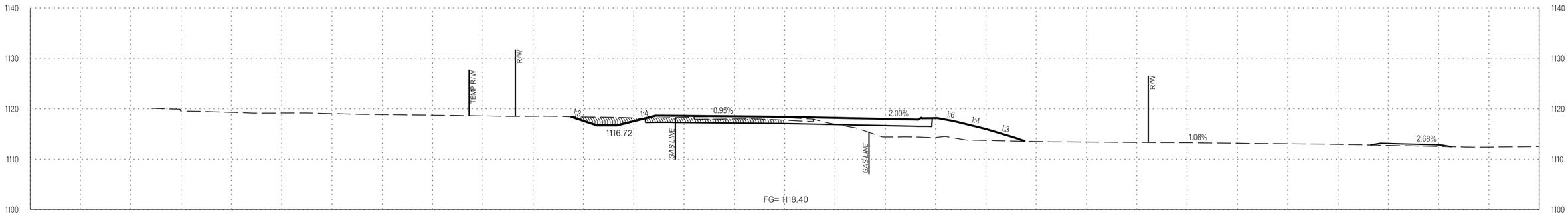
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



13+10.41



13+00.00

3/28/2025 9:37:11 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

BOUCHER

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X148

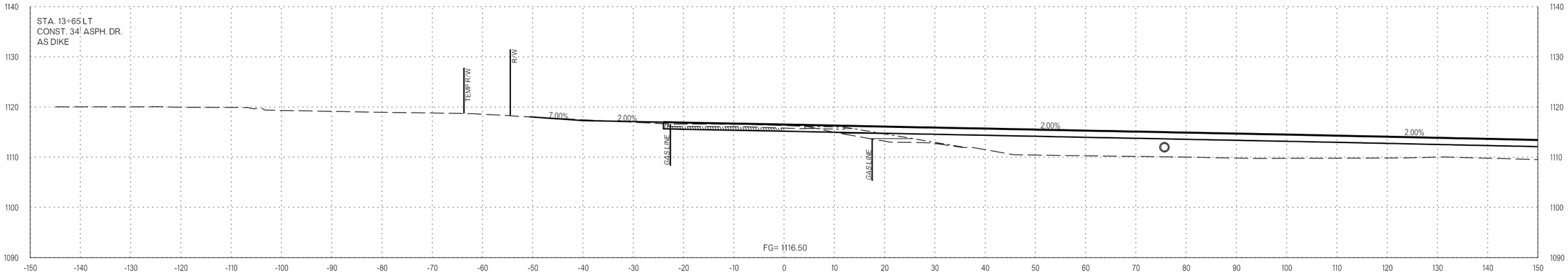
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

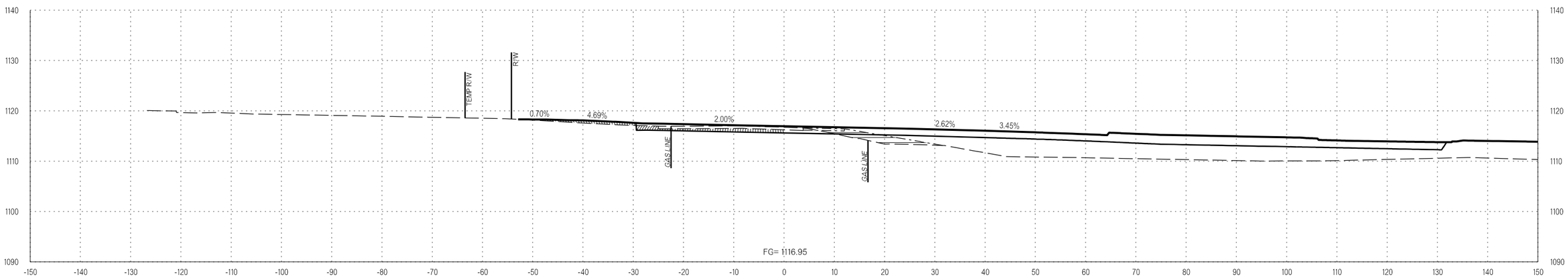
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



13+65.00



13+50.00

3/28/2025 9:37:12 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

BOUCHER

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X149

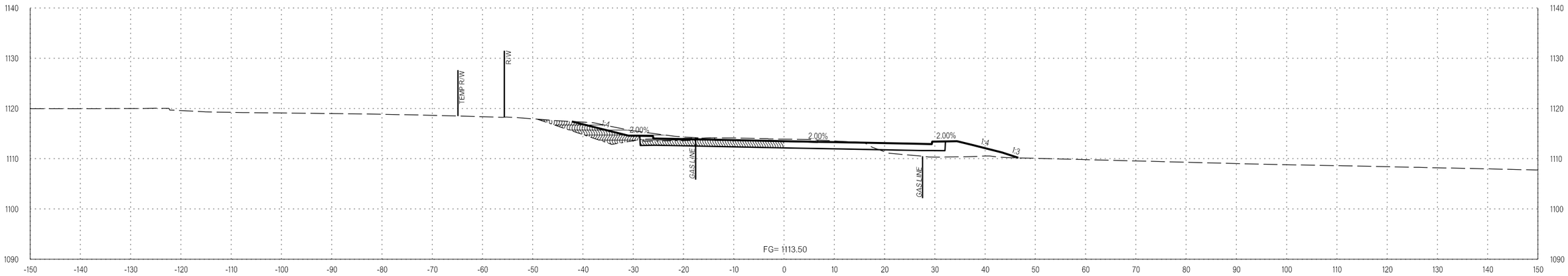
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

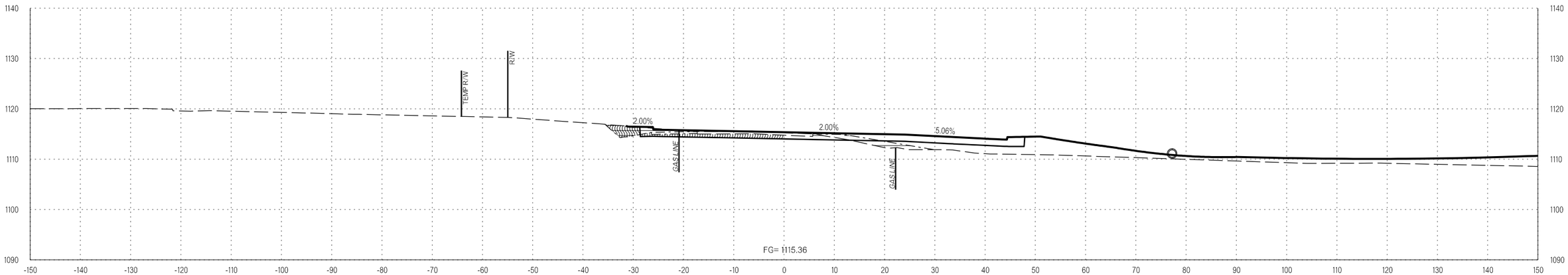
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



14+50.00



14+00.00

3/28/2025 9:37:13 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

BOUCHER

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X150

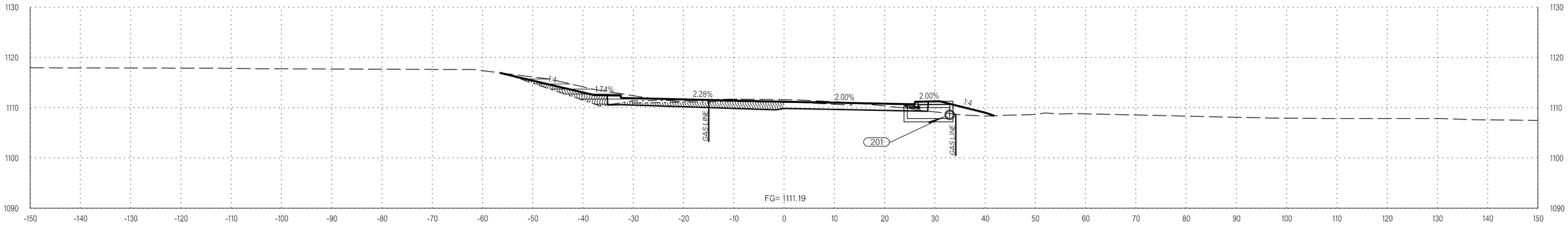
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

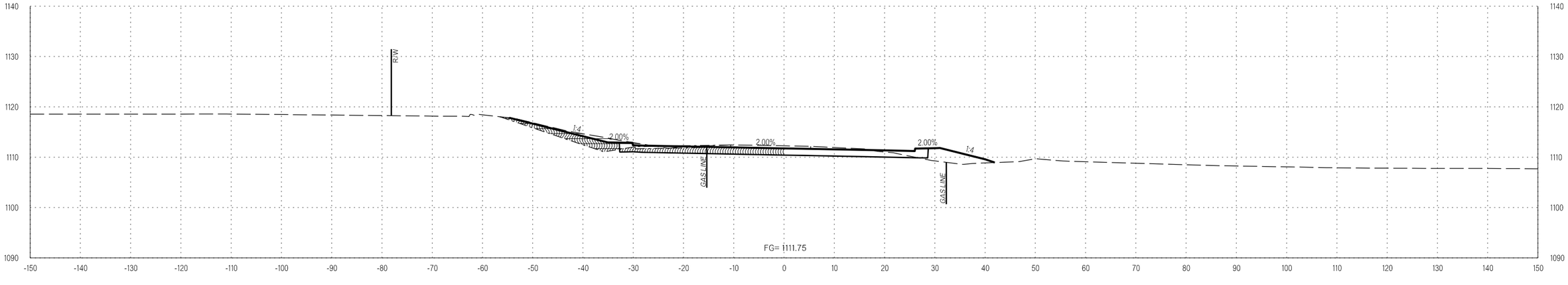
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



15+20.00



15+00.00

3/28/2025 9:37:15 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

BOUCHER

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X151

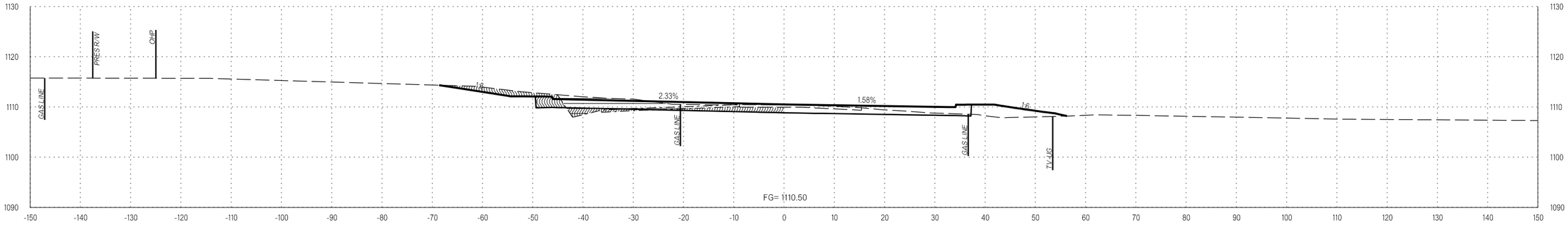
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

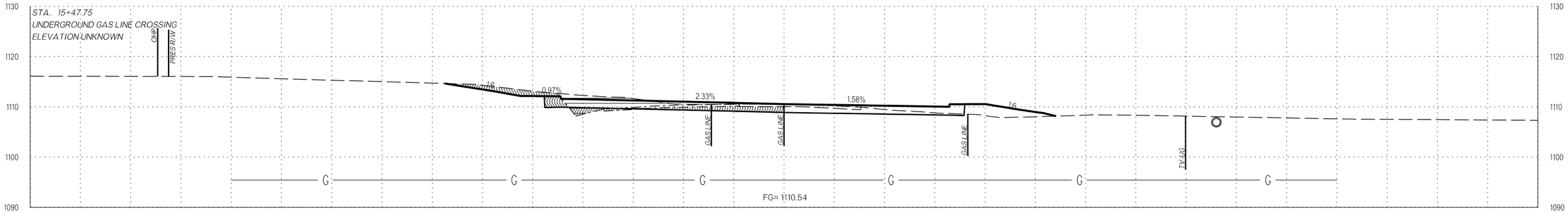
3/28/2025

LEGEND

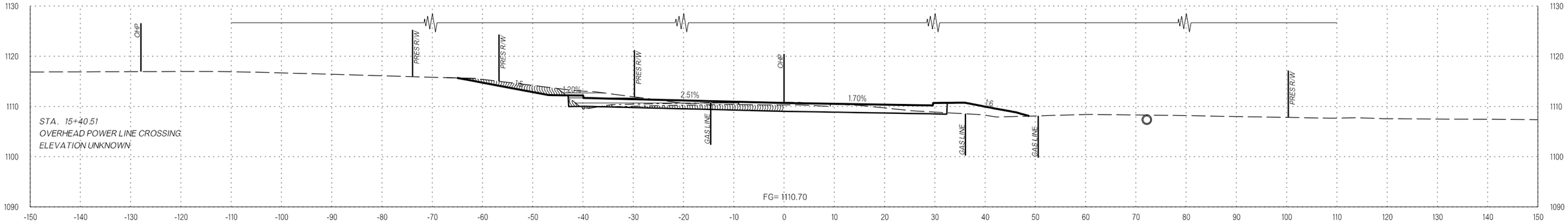
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



15+50.00



15+47.75



15+40.51

3/28/2025 9:37:16 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

BOUCHER

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X152

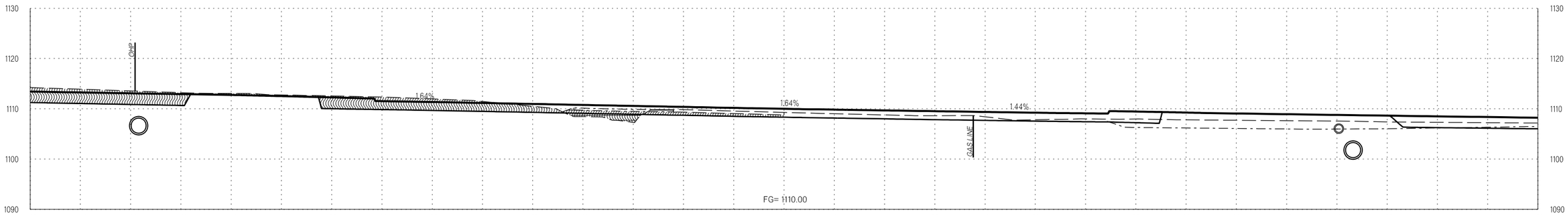
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

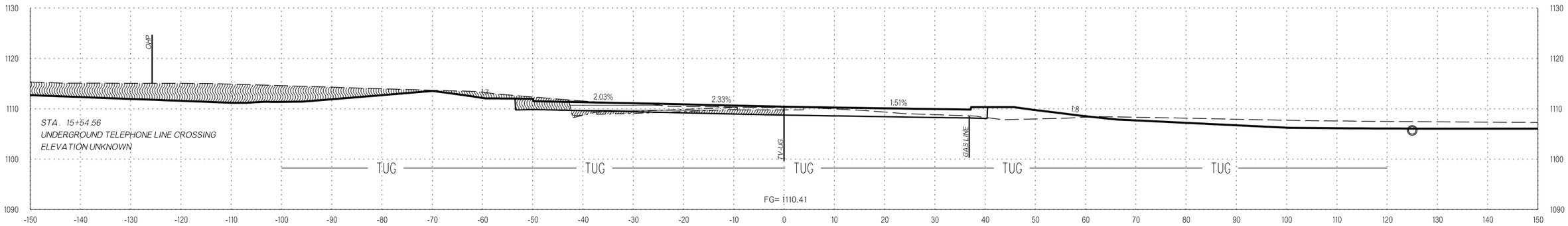
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



15+75.00



15+54.56

3/28/2025 9:37:18 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

BOUCHER

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X153

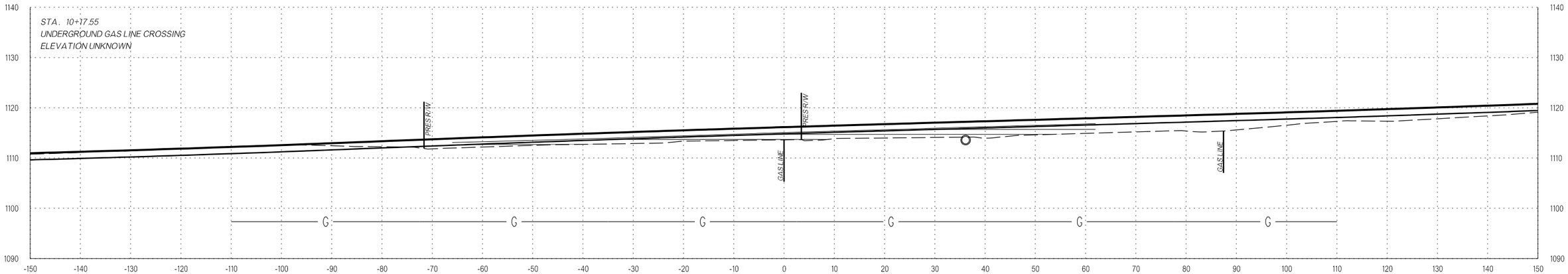
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

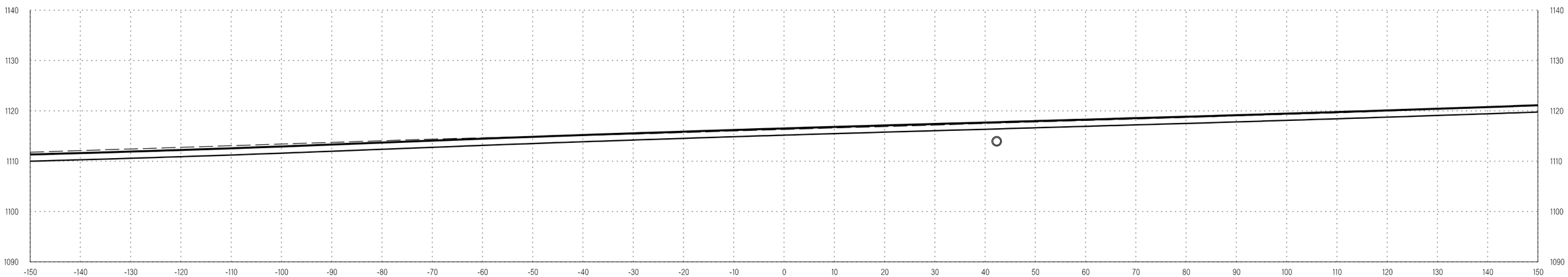
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



10+17.55



10+00.00

FRONTAGE

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X154

3/28/2025 9:37:19 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

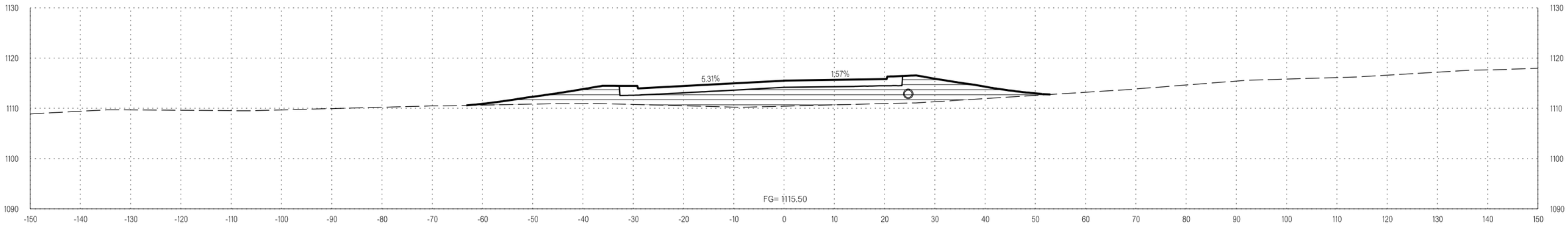
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

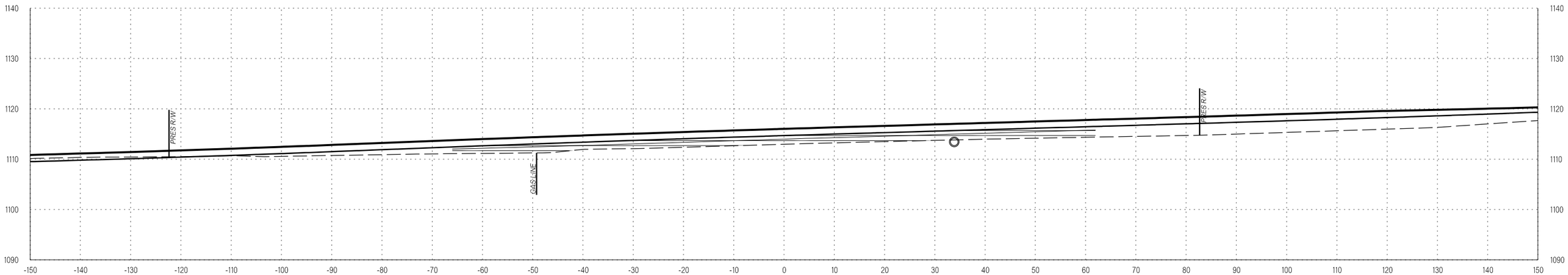
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



10+50.00



10+24.00

FRONTAGE

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X155

3/28/2025 9:37:20 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

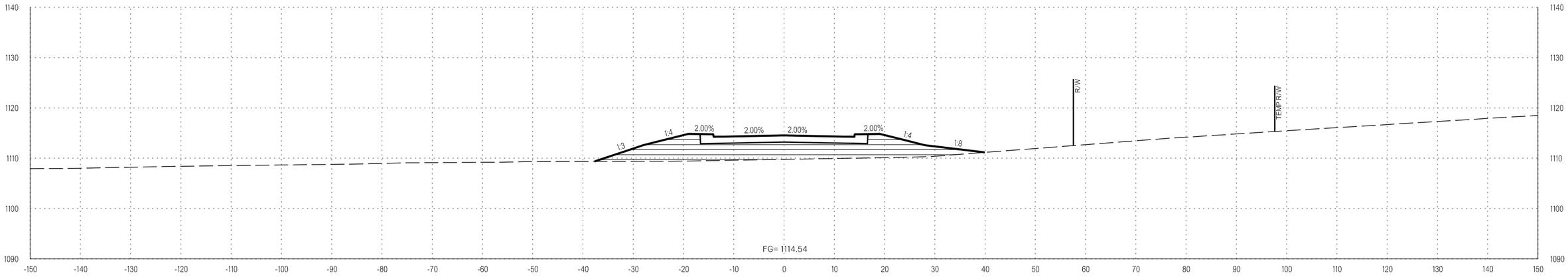
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

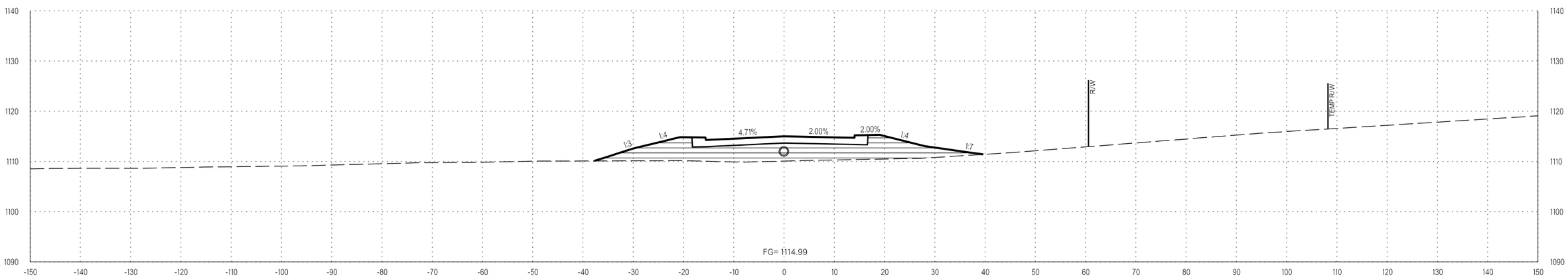
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



10+97.81



10+75.69

FRONTAGE

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X156

3/28/2025 9:37:22 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

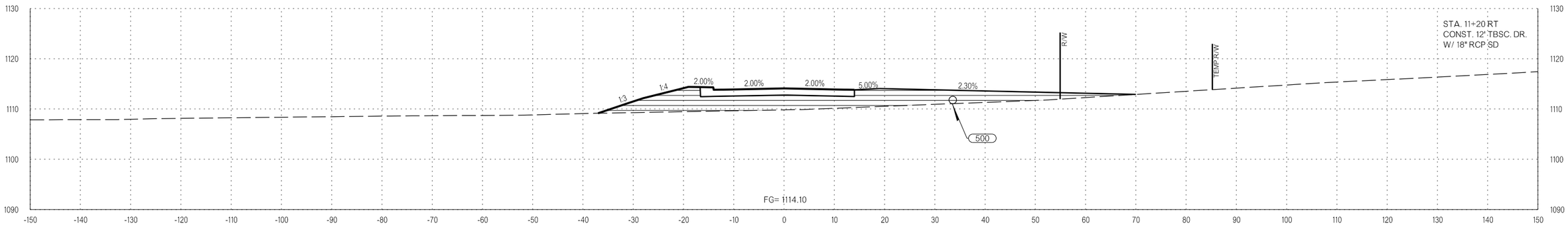
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

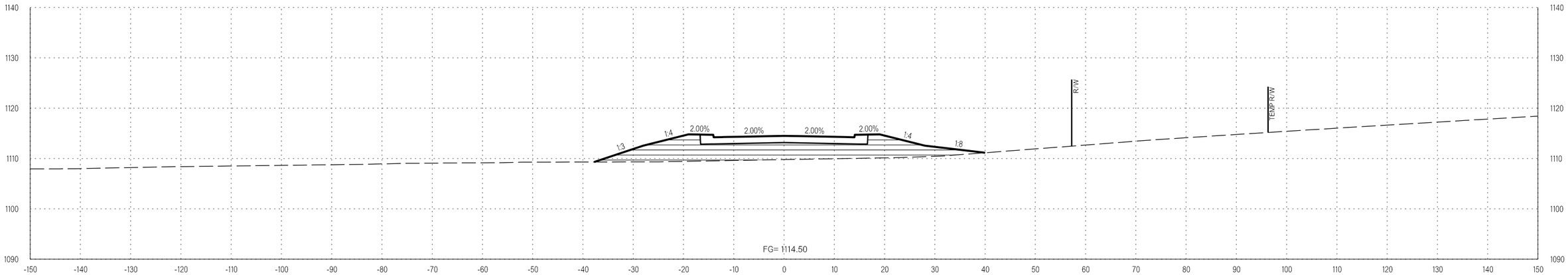
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



11+20.00



11+00.00

3/28/2025 9:37:23 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

FRONTAGE

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X157

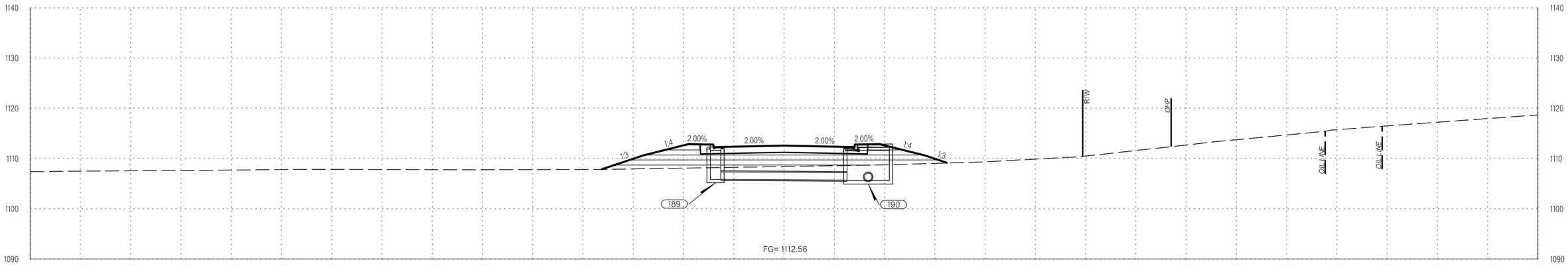
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

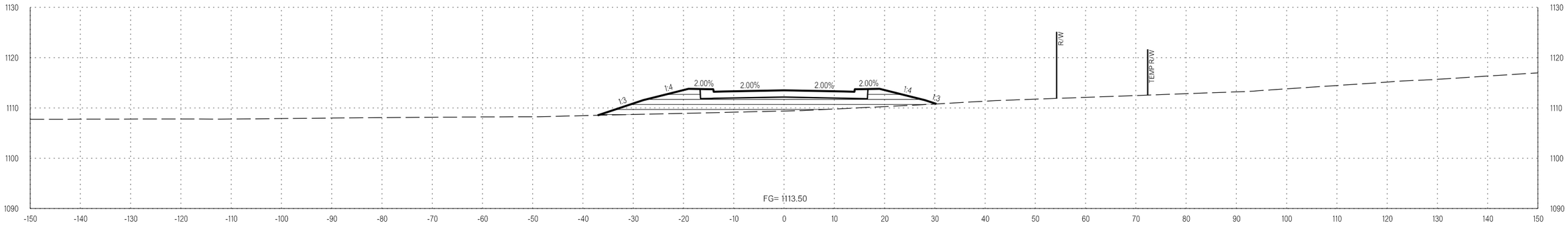
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



12+00.00



11+50.00

FRONTAGE

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X158

3/28/2025 9:37:25 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

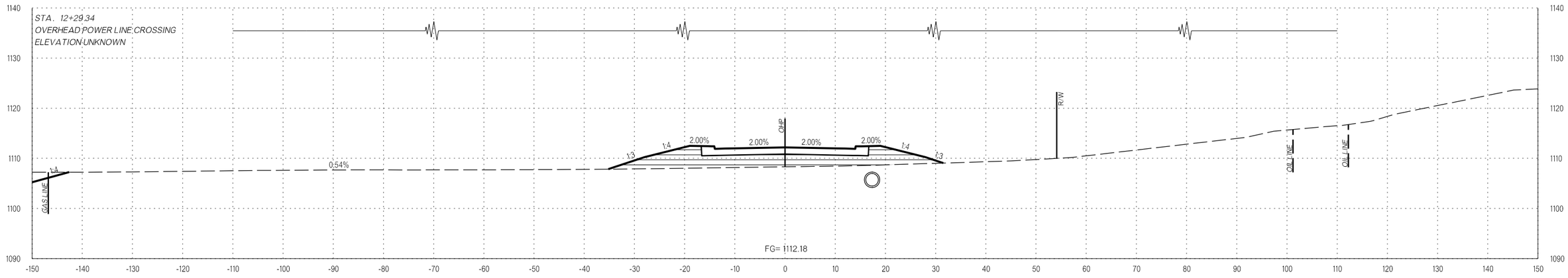
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

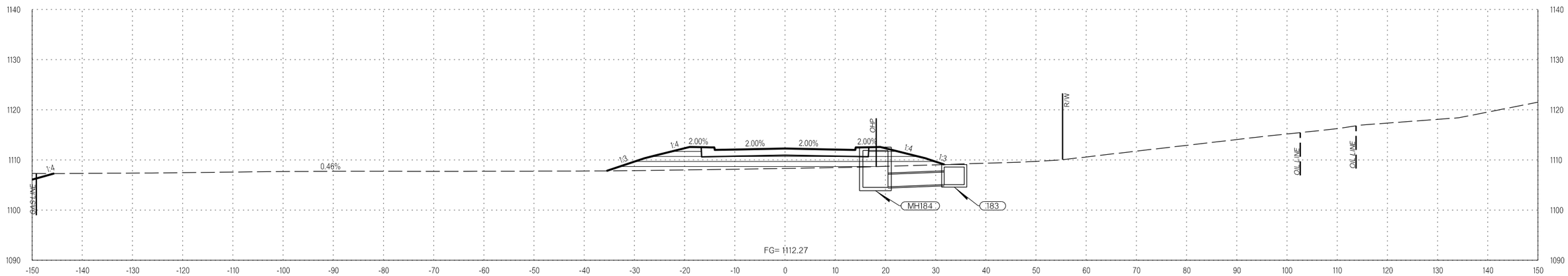
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



12+29.34



12+21.11

FRONTAGE

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X159

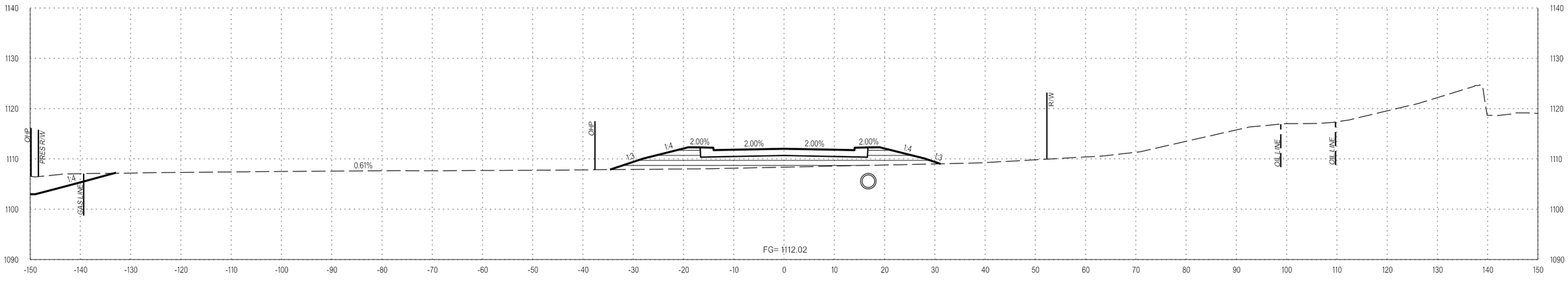
3/28/2025 9:37:26 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

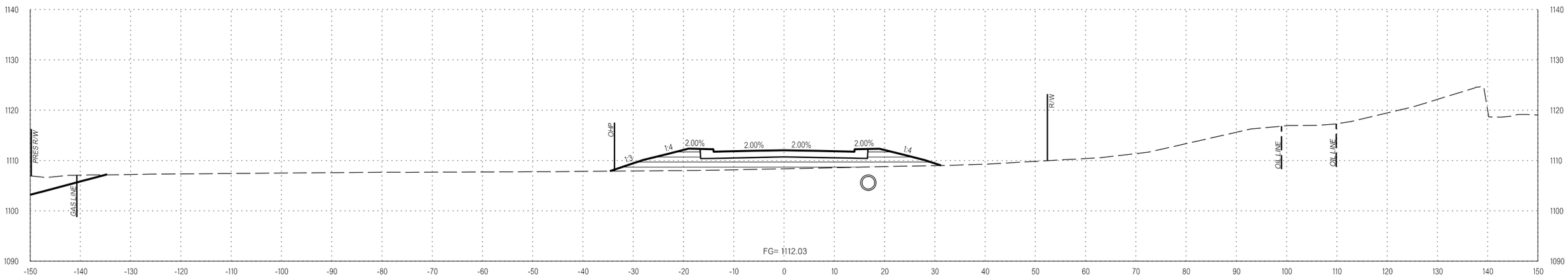
FINAL FIELD MEETING

3/28/2025

LEGEND		
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



12+50.00



12+47.81

FRONTAGE

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X160

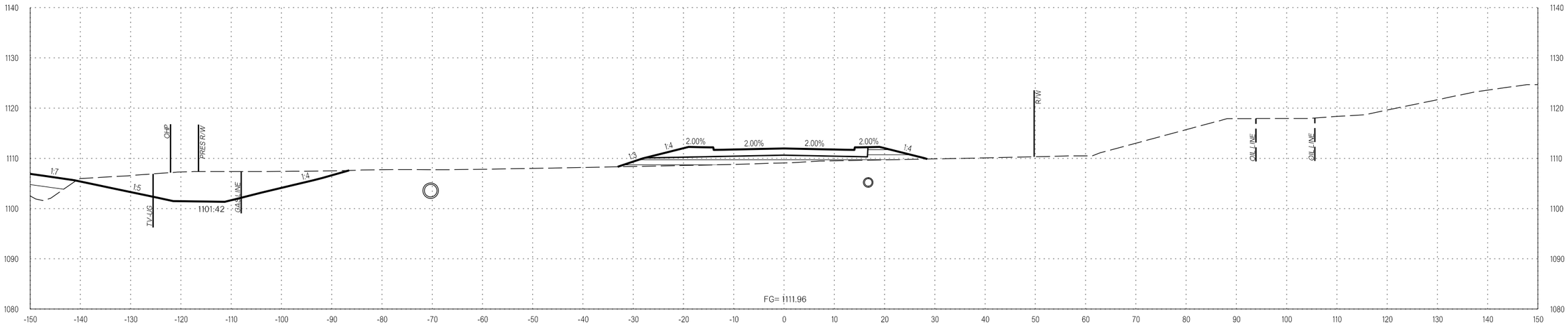
3/28/2025 9:37:27 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

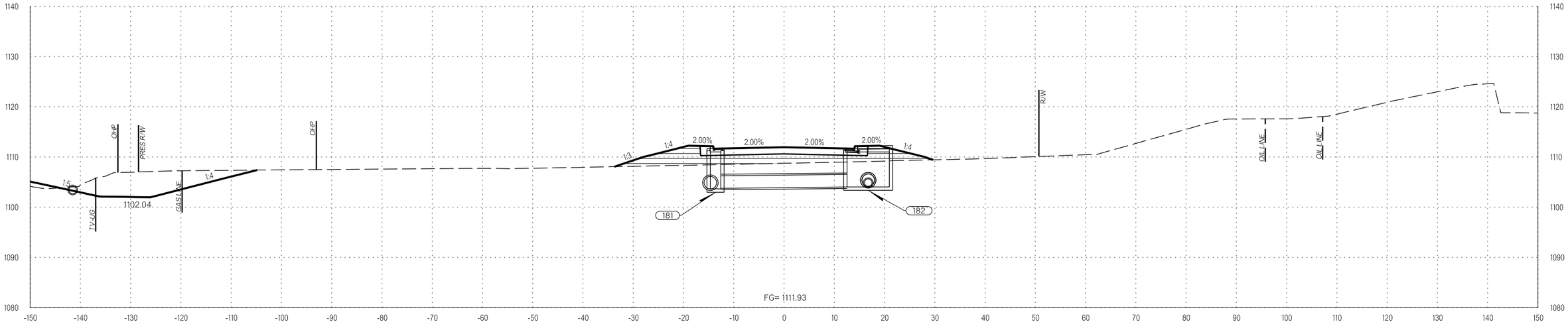
FINAL FIELD MEETING

3/28/2025

LEGEND		
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



13+00.00



12+81.26

FRONTAGE

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X161

3/28/2025 9:37:29 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

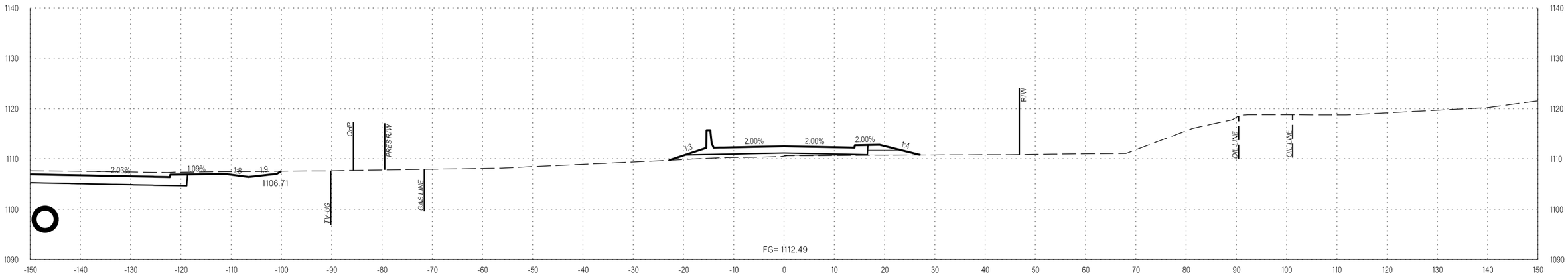
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

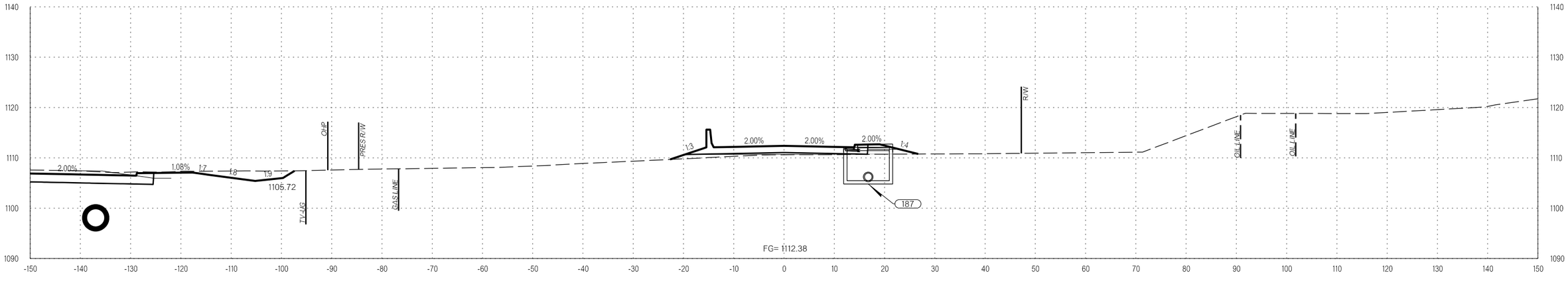
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



13+58.15



13+50.00

FRONTAGE

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X162

3/28/2025 9:37:30 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

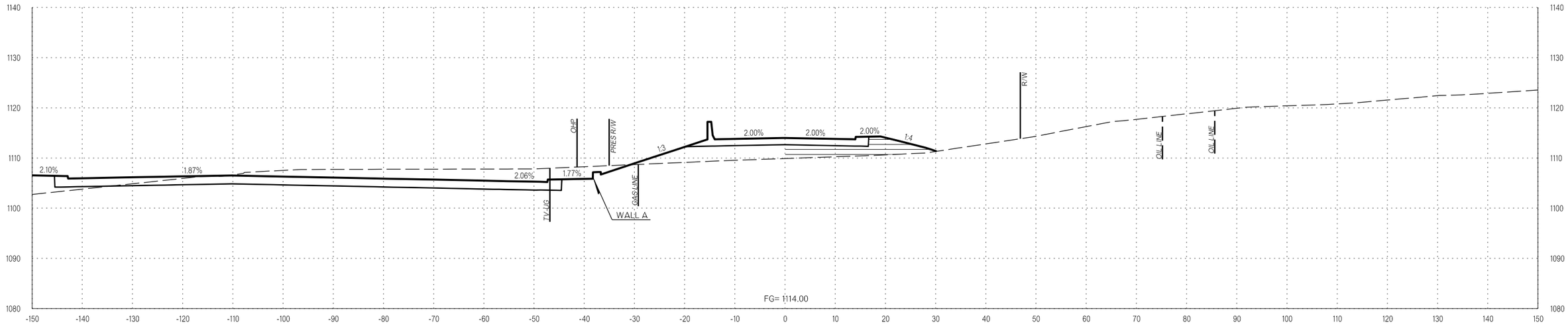
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

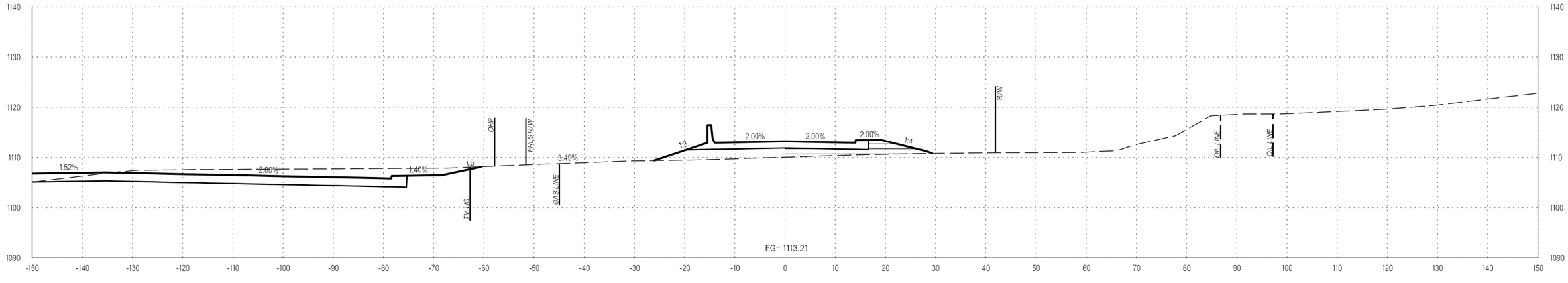
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



14+50.00



14+00.00

FRONTAGE

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X163

3/28/2025 9:37:32 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

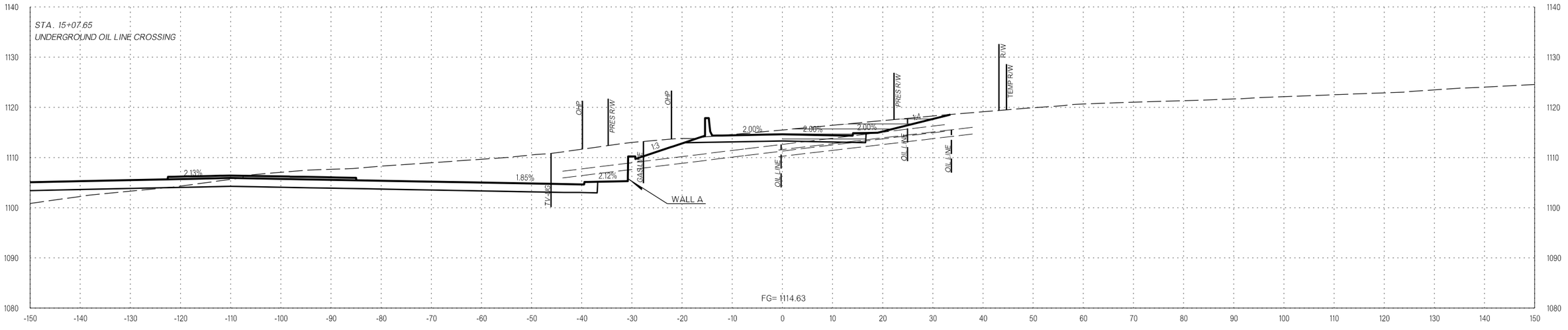
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

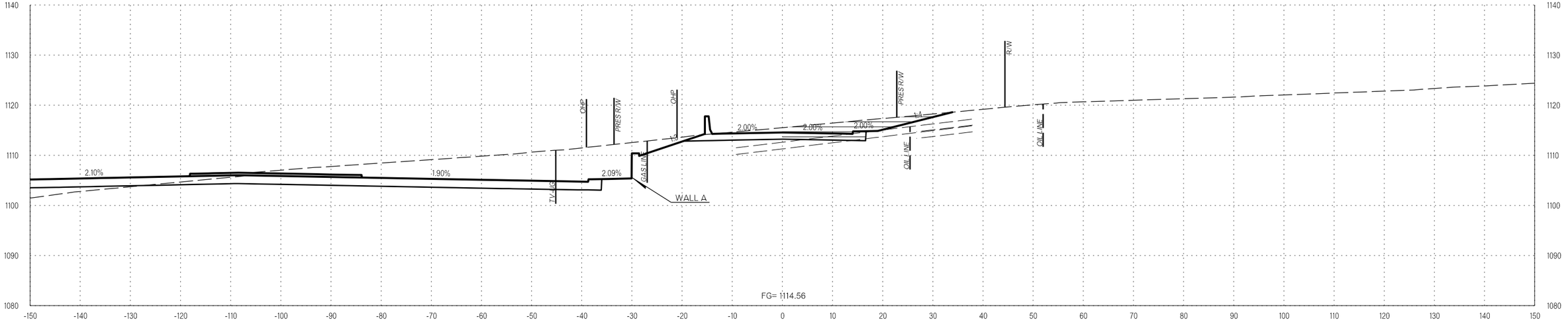
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



15+07.65



15+00.00

3/28/2025 9:37:33 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

FRONTAGE

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X164

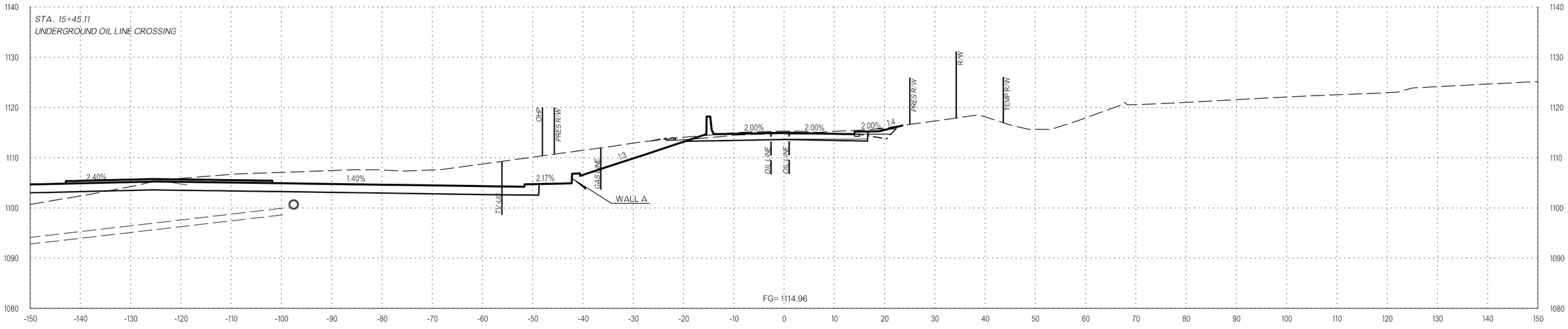
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

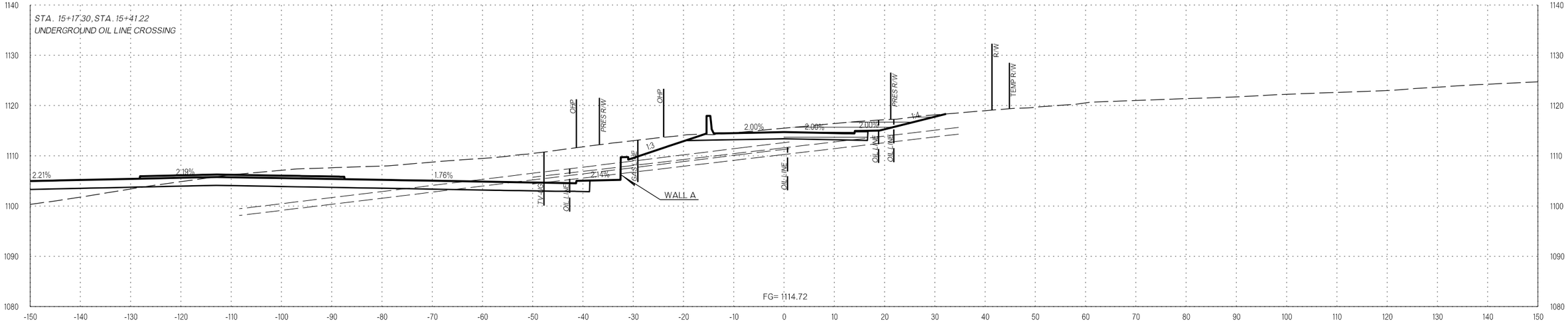
3/28/2025

LEGEND

- PROPOSED
- TEMPORARY
- EXISTING GROUND
- PHASE 1
- PHASE 2A
- PHASE 2B
- PHASE 3
- PHASE 4A
- PHASE 5
- PHASE 6
- PHASE 7



15+44.00



15+17.30

FRONTAGE

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X165

3/28/2025 9:37:34 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

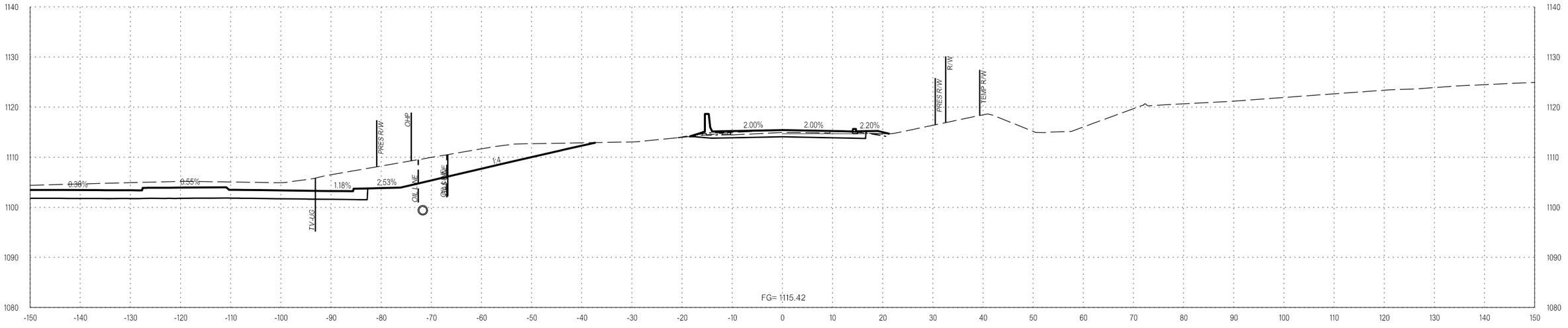
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

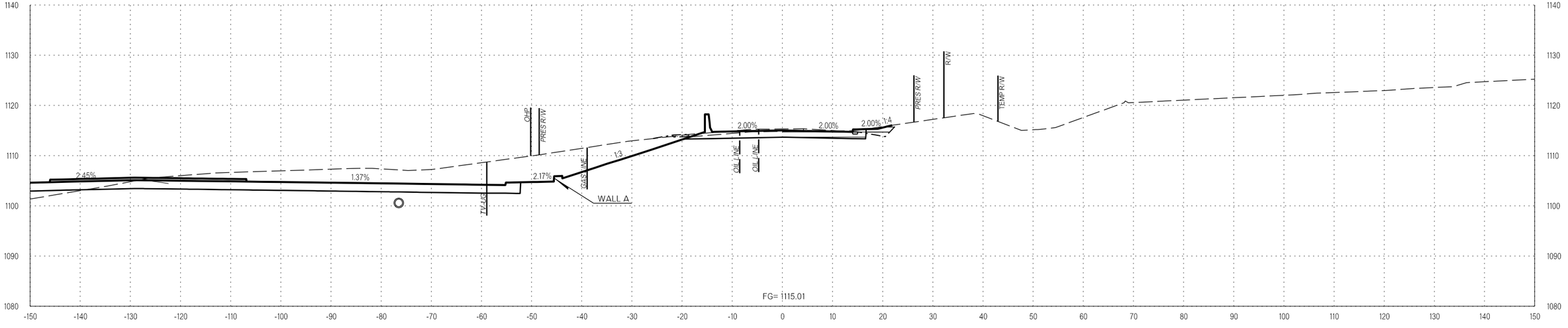
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



15+94.85



15+50.00

FRONTAGE

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X166

3/28/2025 9:37:36 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

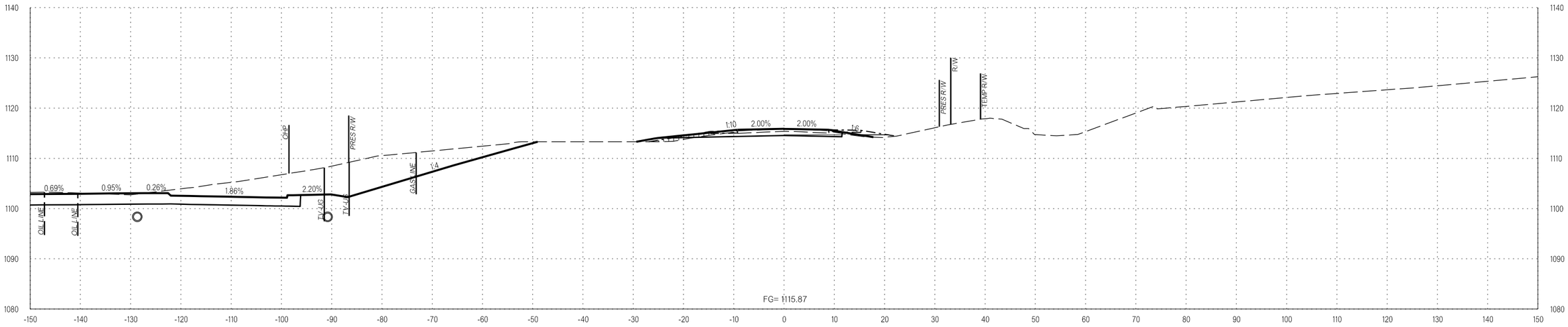
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

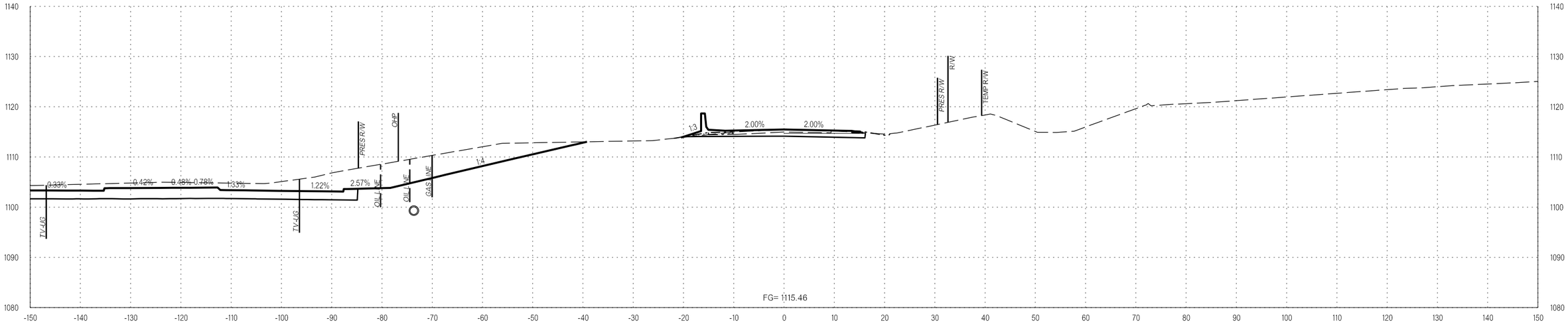
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



16+45.00



16+00.00

FRONTAGE

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X167

3/28/2025 9:37:37 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

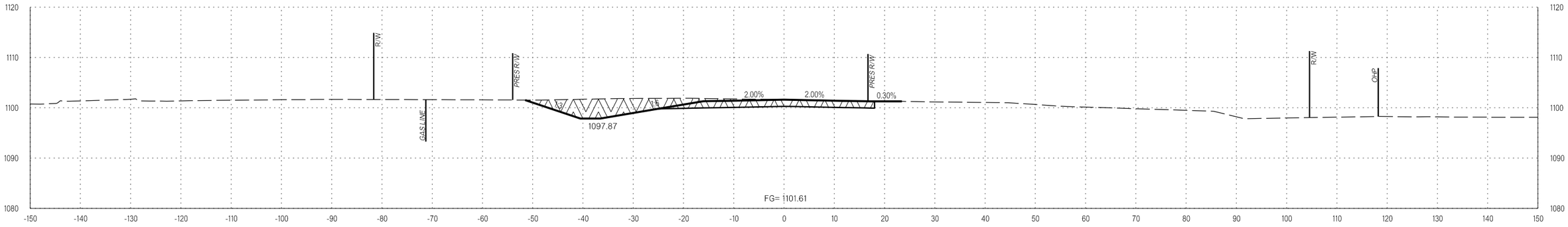
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

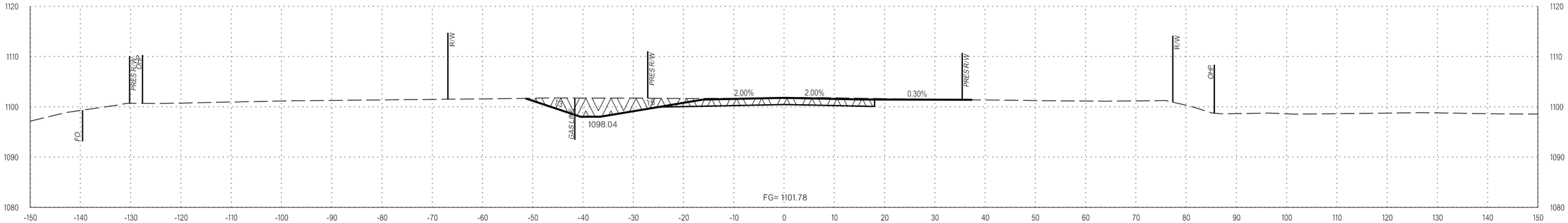
3/28/2025

LEGEND

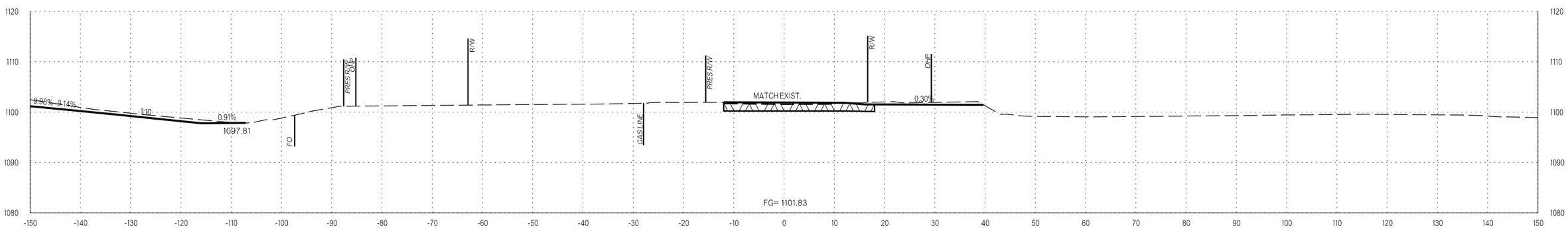
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



11+00.00



10+50.00



10+00.00

INDUSTRIAL

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X168

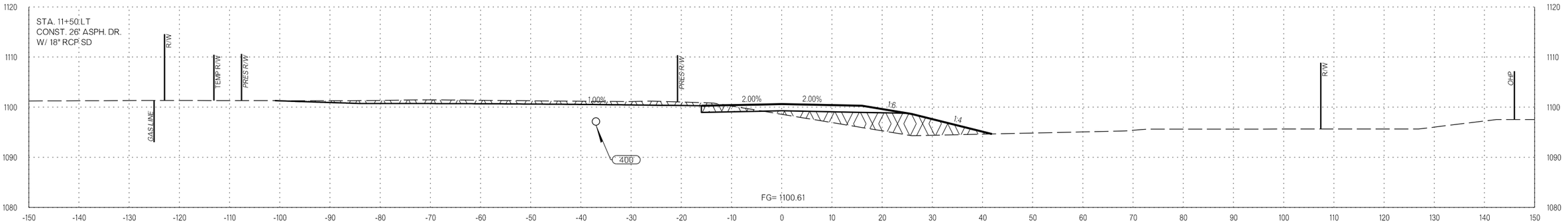
3/28/2025 9:37:39 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

OKLAHOMA DEPARTMENT OF TRANSPORTATION

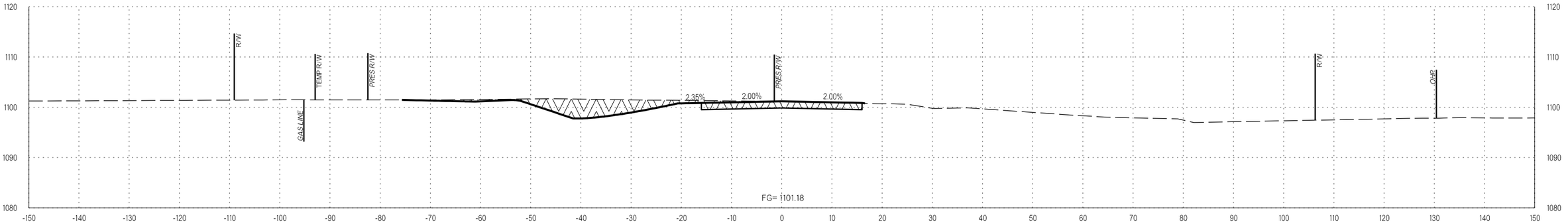
FINAL FIELD MEETING

3/28/2025

LEGEND		
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



11+50.00



11+27.47

INDUSTRIAL

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X169

3/28/2025 9:37:40 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

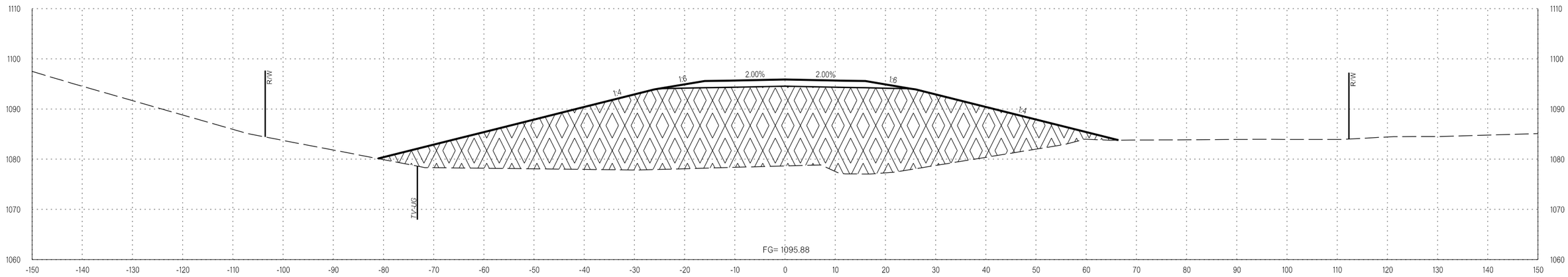
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

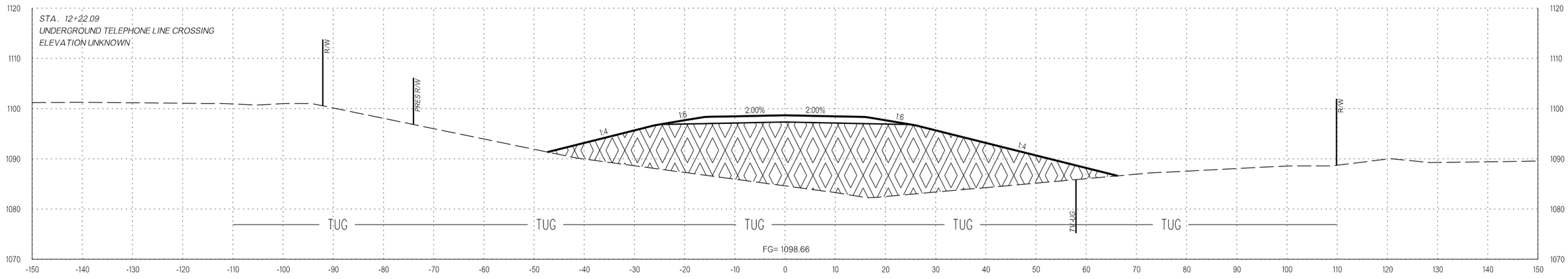
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



12+50.00



12+00.00

INDUSTRIAL

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X170

3/28/2025 9:37:42 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

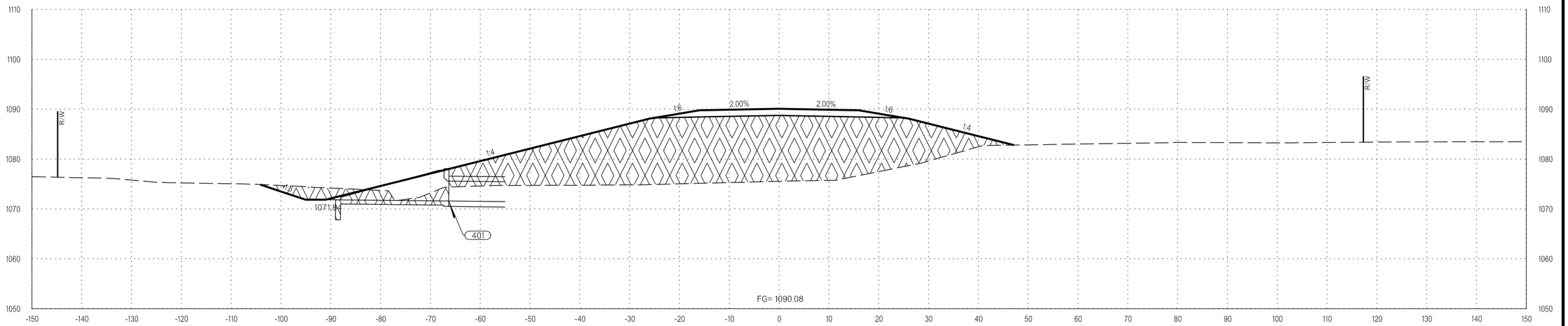
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

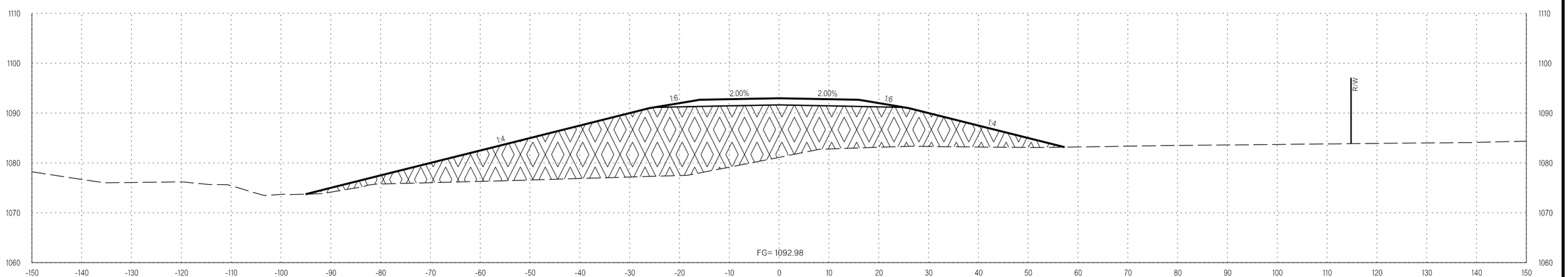
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



13+50.00



13+00.00

INDUSTRIAL

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X171

3/28/2025 9:37:43 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

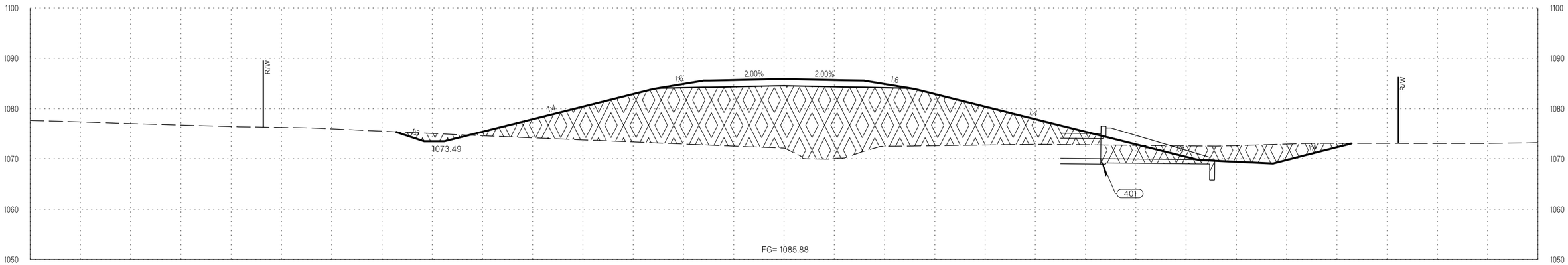
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

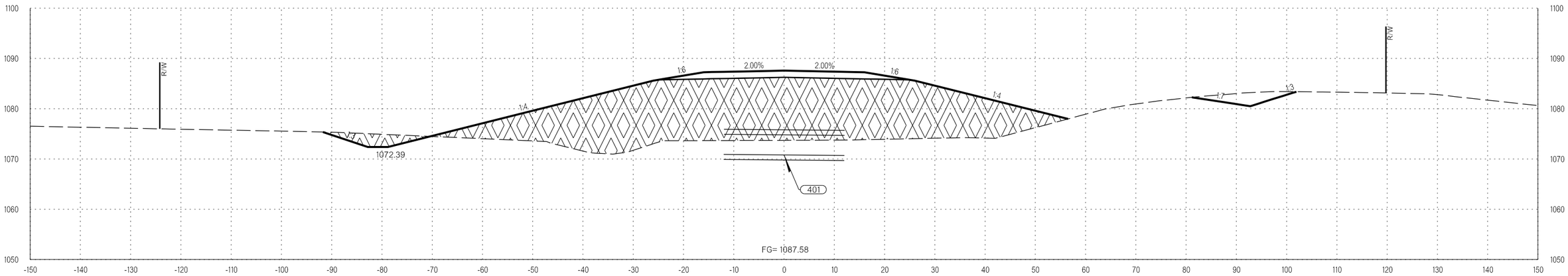
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



14+50.00



14+00.00

INDUSTRIAL

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X172

3/28/2025 9:37:45 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

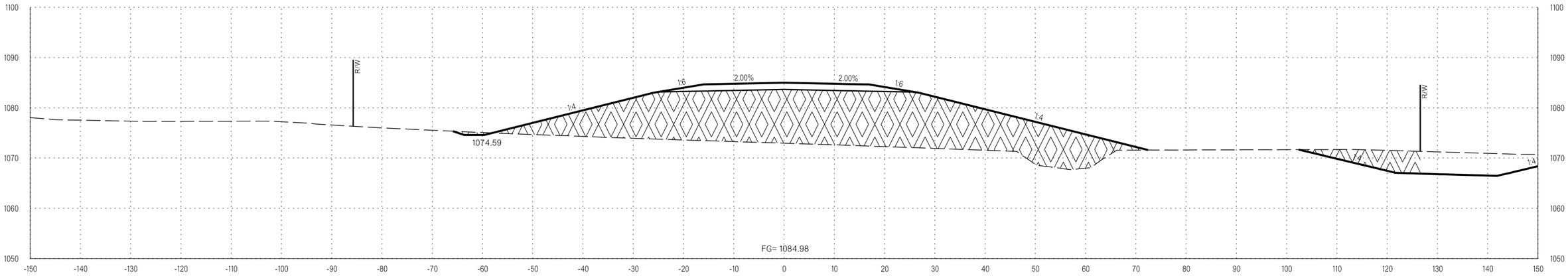
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

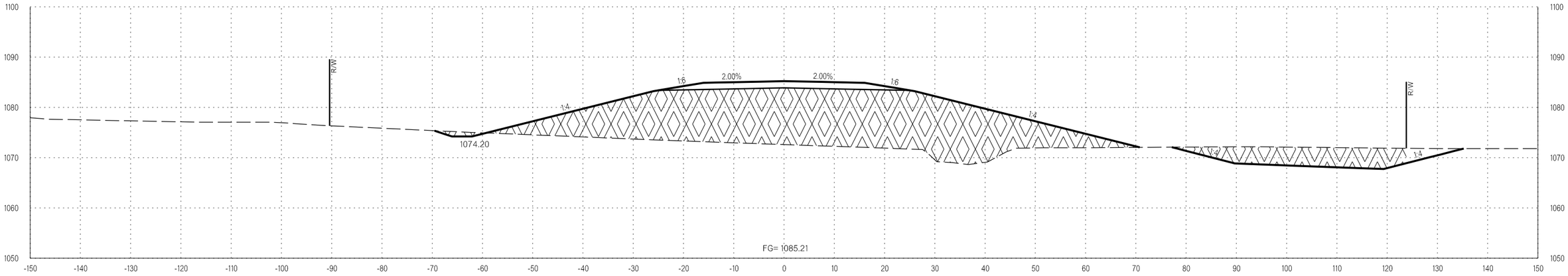
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



15+00.00



14+81.97

INDUSTRIAL

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X173

3/28/2025 9:37:46 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

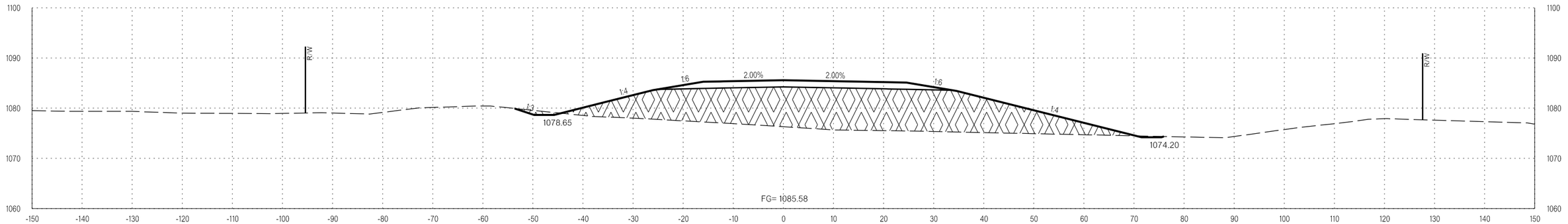
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

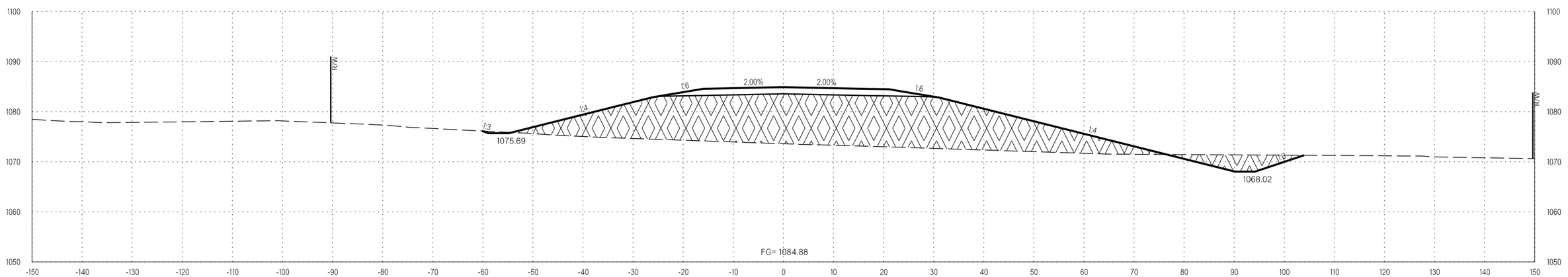
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



16+00.00



15+50.00

INDUSTRIAL

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X174

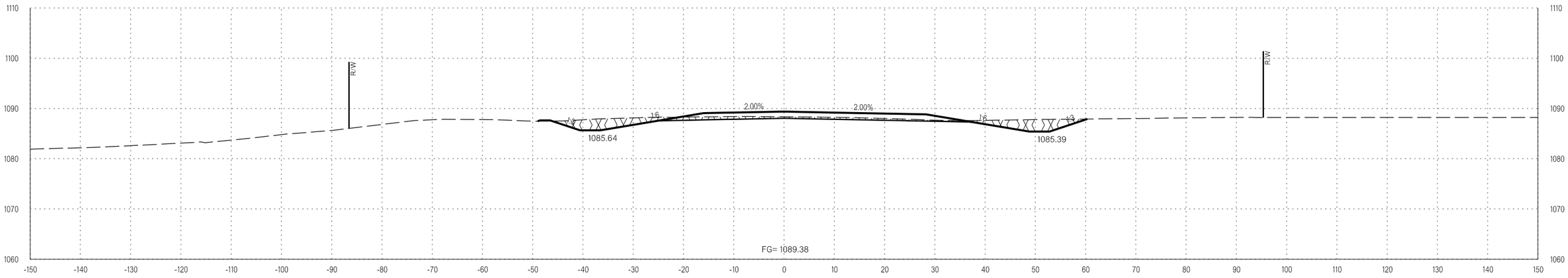
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OKLAHOMA DEPARTMENT OF TRANSPORTATION

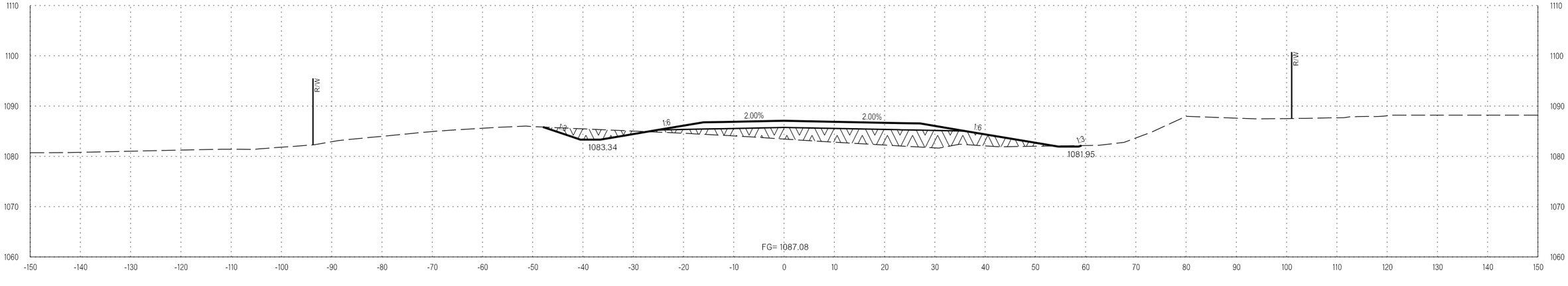
FINAL FIELD MEETING

3/28/2025

LEGEND		
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



17+00.00



16+50.00

INDUSTRIAL

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X175

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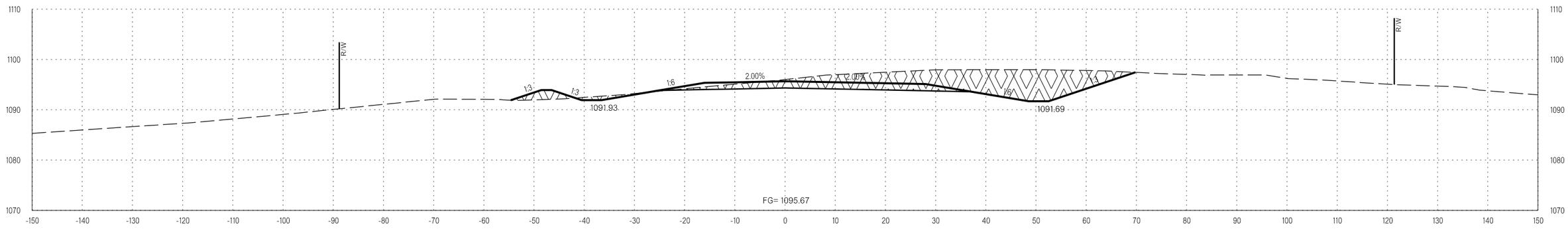
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

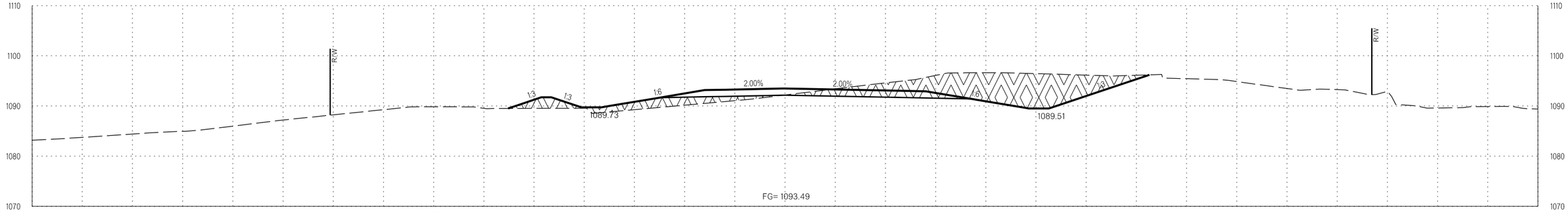
3/28/2025

LEGEND

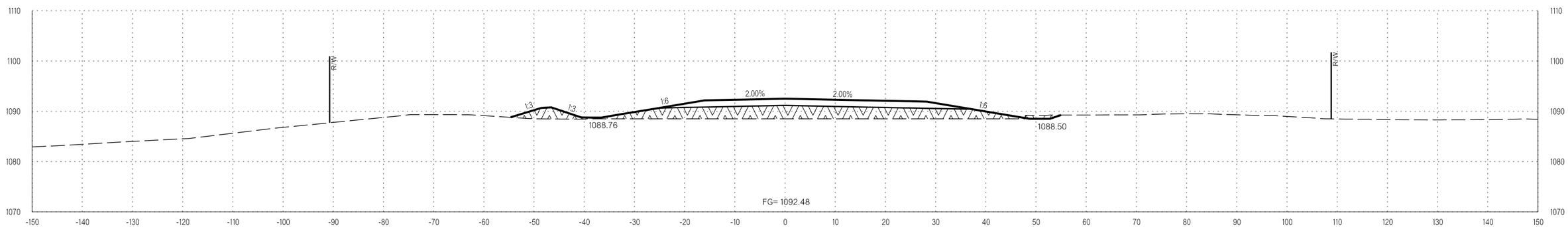
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



18+00.00



17+64.76



17+50.00

3/28/2025 9:37:50 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

INDUSTRIAL

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X176

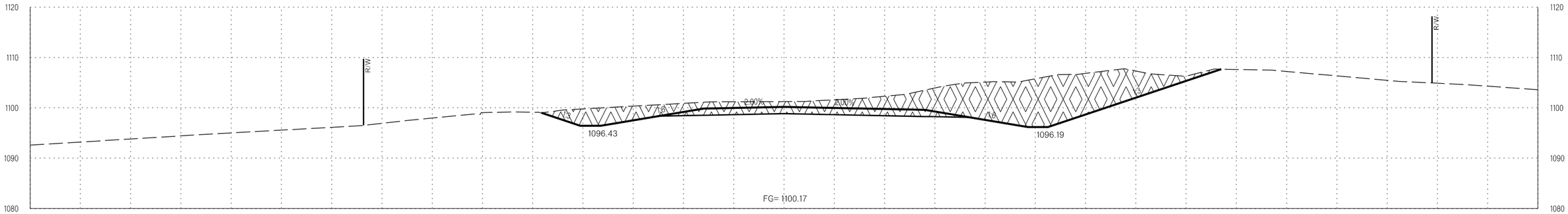
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

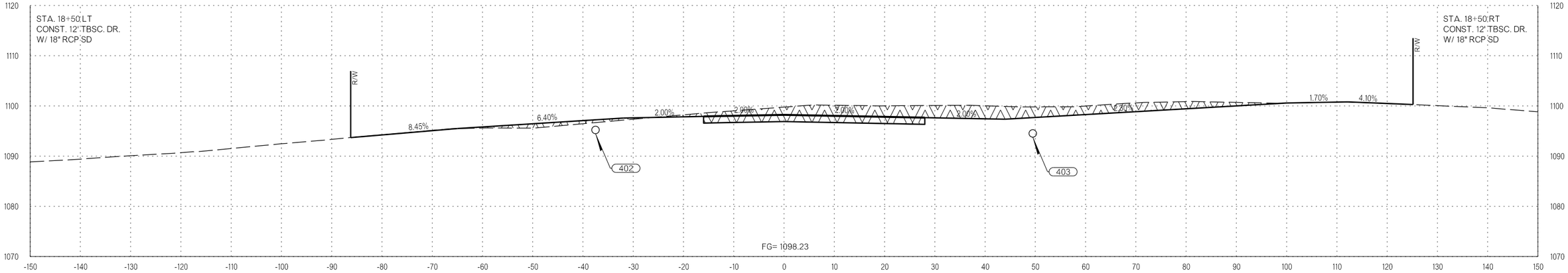
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



19+00.00



18+50.00

INDUSTRIAL

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X177

3/28/2025 9:37:52 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

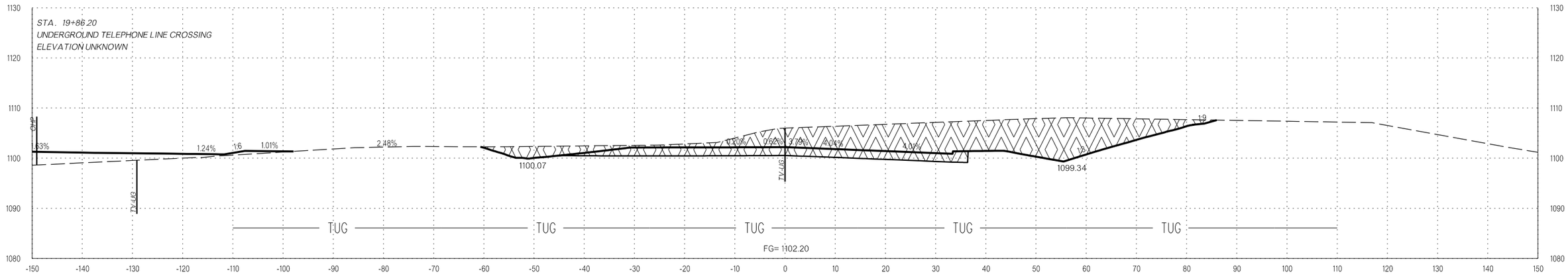
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

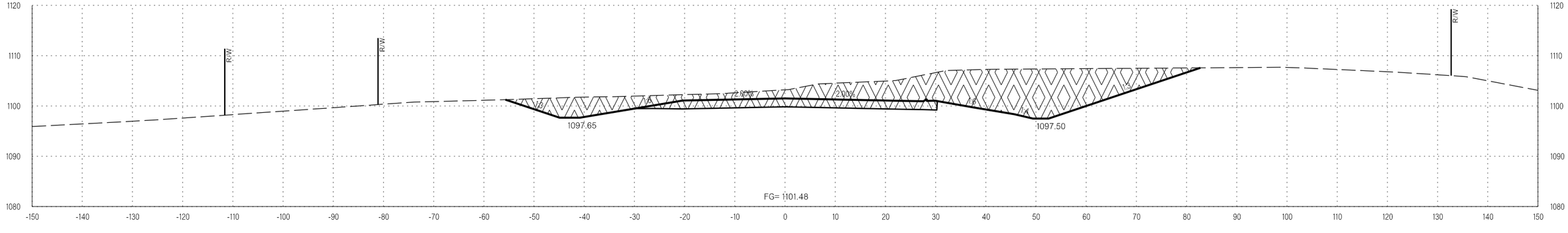
3/28/2025

LEGEND

PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



19+86.20



19+50.00

INDUSTRIAL

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X178

3/28/2025 9:37:53 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn

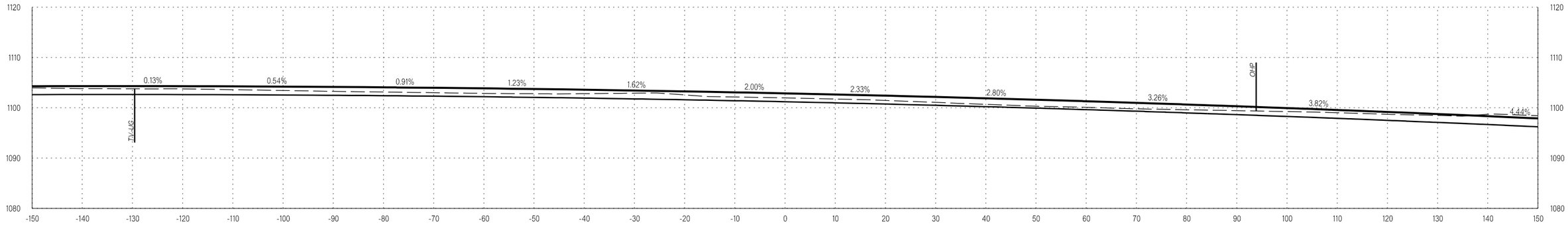
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

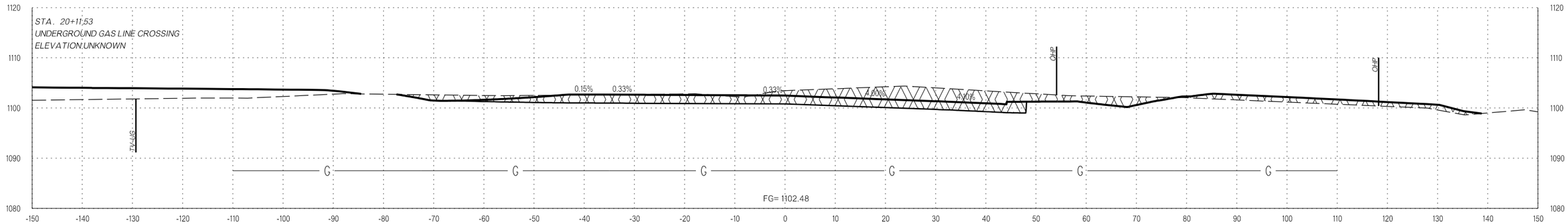
3/28/2025

LEGEND

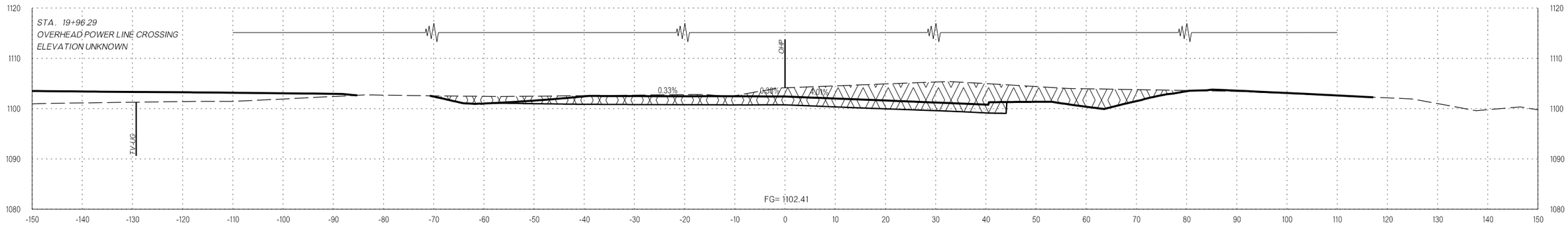
PROPOSED	PHASE 1	PHASE 4A
TEMPORARY	PHASE 2A	PHASE 5
EXISTING GROUND	PHASE 2B	PHASE 6
	PHASE 3	PHASE 7



20+19.19



20+00.00



19+96.29

INDUSTRIAL

COUNTY OKLAHOMA/LOGAN HIGHWAY I-35 STATE JOB NO. 29843(04) SHEET NO. X179

3/28/2025 9:37:55 AM L:\2014\14037270 - ODOT EC-1500N I-35 over Waterloo Rd\Drawings\29843_XSEC_001.dgn