OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
10/4/23

BRIDGE "B"

BEGIN BRIDGE STA. 18+99.83
BRIDGE LENGTH = 200.33'
END BRIDGE STA. 21+00.17
OLD NBI NO. 12806
NEW NBI NO. _____
LOCATION 5156 1470X

BRIDGE "A"

BEGIN BRIDGE STA 624+76.54
BRIDGE LENGTH = 42.33'
END BRIDGE STA 625+18.87
NBI NO. 12788
LOCATION 5156 1418X

STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED
U.S. HIGHWAY
FEDERAL AID PROJECT NO. J2-7108(004)
GRADE, DRAIN, SURFACE, AND BRIDGE PLANS
U.S. HIGHWAY NO. 69
MUSKOGEE COUNTY
STATE JOB NO. 27108(04)
CONTROL SECTION NO. 69-51-56

DESIGN DATA		US-69
ADT 2015	=	23,710
ADT 2040	=	33,870
K (DHV/ADT)	=	9%
D	=	54%
T(%DHV)	=	22%
T(%ADT)	=	25%
T3(%ADT)	=	20%
V	=	35 MPH & 55 MPH
FLEX ESALS (20 YR.)	=	82.1 M

FOR ADDITIONAL TRAFFIC INFORMATION SEE DESIGN TRAFFIC SHEETS.

CRL STA. 21+13.00 BEGIN
CONSTRUCTION
W. HANCOCK RD.

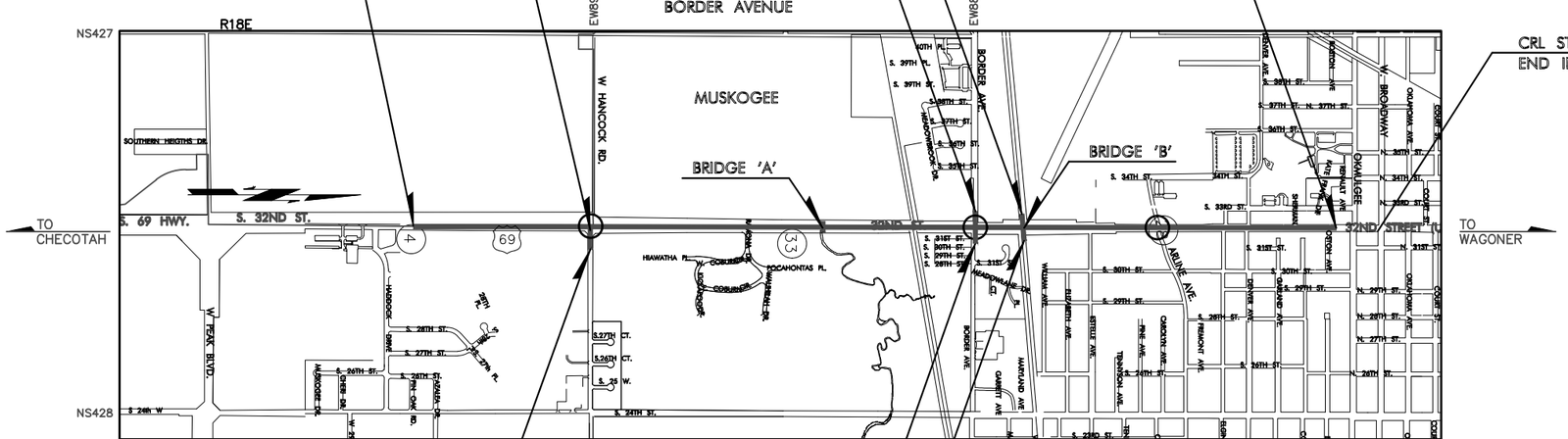
CRL STA. 566+00.00 BEGIN PROJECT
END INCIDENTAL CONST.
SUB-SECTION NO. 13.07

CRL STA. 18+00.00 BEGIN
CONSTRUCTION
TRAIL OVERPASS

CRL STA. 15+25.00 BEGIN
CONSTRUCTION
BORDER AVENUE

CRL STA. 695+95.00 NORTHBOUND
CRL STA. 696+20.00 SOUTHBOUND
END PROJECT &
BEGIN INCIDENTAL CONST.

CRL STA. 701+20.00
END INCIDENTAL CONST.



CRL STA. 24+95.00 END
CONSTRUCTION
W. HANCOCK RD.

CRL STA. 24+50.00 END
CONSTRUCTION
BORDER AVENUE

CRL STA. 22+50.00 END
CONSTRUCTION
TRAIL OVERPASS

INTERSECTIONS TO BE SIGNALIZED ON PROJECT

THE ENTIRE PROJECT IS LOCATED WITHIN THE CORPORATE LIMITS OF THE CITY OF MUSKOGEE

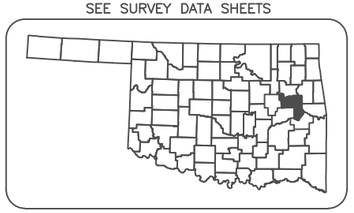
OKLAHOMA Transportation

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
- OILWELL
- DRAINAGE STRUCTURES – IN PLACE
- DRAINAGE STRUCTURES – NEW
- RIGHT-OF-WAY LINES – EXISTING
- RIGHT-OF-WAY LINES – NEW
- CONTROLLED ACCESS
- RIGHT-OF-WAY FENCE

SURVEY CONTROL DATA

SEE SURVEY DATA SHEETS



LOCATION MAP

2009 OKLAHOMA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION GOVERN, APPROVED BY THE U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION, JANUARY 4, 2010.

PROJECT LENGTH BASED ON C.R.L. STATIONING
STATE JOB NO. 27108(04)

NORTHBOUND ROADWAY LENGTH	12995.00 FT.	2.461	MILES
SOUTHBOUND ROADWAY LENGTH	13020.00 FT.	2.465	MILES
BRIDGE LENGTH	42.33 FT.	0.008	MILES
PROJECT LENGTH		2.463	MILES

EQUATIONS : NONE
EXCEPTIONS : NONE

W. HANCOCK RD.
INCIDENTAL CONSTRUCTION

ROADWAY LENGTH	382.00 FT.	0.072	MILES
BRIDGE LENGTH	0.00 FT.	0.000	MILES
PROJECT LENGTH		0.072	MILES

EQUATIONS : NONE
EXCEPTIONS : NONE

BORDER AVE.
INCIDENTAL CONSTRUCTION

ROADWAY LENGTH	925.00 FT.	0.175	MILES
BRIDGE LENGTH	0.00 FT.	0.000	MILES
PROJECT LENGTH		0.175	MILES

EQUATIONS : NONE
EXCEPTIONS : NONE

CENTENNIAL TRAIL
INCIDENTAL CONSTRUCTION

TRAIL LENGTH	249.67 FT.	0.047	MILES
BRIDGE LENGTH	200.33 FT.	0.038	MILES
PROJECT LENGTH		0.085	MILES

EQUATIONS : NONE
EXCEPTIONS : NONE

SCALES 1"

PLAN 1" = 20' & 1" = 50'
PROFILE HOR. 1" = 20' & 1" = 50'
VER. 1" = 5'

P.E. NO. 27108(01)

PREPARED AND SUBMITTED BY

HOLLOWAY, UPDIKE & BELLEN, Inc.
818 East Side Boulevard
Post Office Box 1543
Muskogee, Oklahoma 74402
(918) 682-7811
NO. CA 219
EXPIRES 06/23
SHEET NOS.: 0001-0005, AE01, AR01, AR02, R001-R053, R056-R062, S001-S017, X001-X081

DATE WESLEY M. STEWART
P.E. NO. 24031

REGISTERED PROFESSIONAL ENGINEER WESLEY M. STEWART 24031 OKLAHOMA

CEC
SHEET NOS.: AB01, B001-B013, R054, R055

DATE AUGUSTINE F. WUERTZ
P.E. NO. 29197

REGISTERED PROFESSIONAL ENGINEER AUGUSTINE F. WUERTZ 29197 OKLAHOMA

TEC
SHEET NOS.: T001-T073

DATE MICHAEL S. HOFENER
P.E. NO. 23310

REGISTERED PROFESSIONAL ENGINEER MICHAEL S. HOFENER 23310 OKLAHOMA

OKLAHOMA DEPARTMENT OF TRANSPORTATION
DATE APPROVED
BY
CHIEF ENGINEER

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
DATE APPROVED
BY
DIVISION ADMINISTRATOR

SWO 4933(1) PROJECT NO. J2-7108(004) SHEET NO. 1

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
October 2023

THE FOLLOWING STANDARD DRAWINGS WILL BE REQUIRED TO CONSTRUCT THIS JOB

2019 ROADWAY	2009 TRAFFIC CONTROL	2009 TRAFFIC SIGNING & STRIPING	2009 TRAFFIC SIGNALS	2009 TRAFFIC LIGHTING	2009 BRIDGE
BMPR-0	TCS1-1-01	PM1-1-03	PMAP1-2-01	CCD1-1-00	HP1-2-01E
TESCA-0	TCS2-1-00	PM2-1-01	SPBP1-1-01	PBD1-1-00	RCB-C1-3&4&5(2-20)-01E
IPD-0	TCS3-1-01	PM3-1-02	SA1-1-02	GMF1-2-01	RCB-C1-8(2-14)-01E
RSF-0	TCS4-1-01	PM4-1-02	ID1-1-00	HLBP1-1-01	RCB-C2-6(12-20)-01E
TSD-0	TCS5-1-00	PM6-1-00	SNS1-1-02	HLGN1-1-01	RCB-CW1-D4-30-01E
SSS-2-1	TCS6-1-02	RSD1-1-00	TSSS1-1-00	HLPD1-1-00	RCB-CW1-D4-0-01E
ASCD-6-1	TCS7-1-02	RSD2-1-00	PWD1-2-00	PPD1-2-00	RCB-CW2-D4-0-01E
CSCD-6-2	TCS8-1-00	WSD1-1-00	CFD1-2-01	HLD1-2-01	RCB-E1-H2-30-1-01E
LECS-5-2	TCS9-1-01	WSD2-1-00	CC1-1-00	HLD2-2-01	RCB-E1-H2-30-2-01E
LTU-5-1	TCS10-1-00	MSD1-1-00	TSSP1-1-00	HLMA2-1-01	RCB-E1-H2-30-3-01E
PED-4-1	TCS11-1-01	MSD2-1-00	MAD1-1-01	HLMA3-1-01	RCB-E1-H2-0-1-01E
WCR-4-2	TCS13-1-00	MSD3-1-01	RPMAD1-1-01	SPD1-1-00	
TWD-2-2	TCS14-1-00	MSD4-1-00	MPMAD1-1-01	SCD1-1-00	
PSMD-2-2	TCS15-1-00	MSD5-1-00	MDL1-1-00	TEWD1-2-00	
SMD-4-2	TCS17-1-00	SBS1-1-00	MDL2-1-00		
CET4S-4-2	TCS18-1-01	SBS2-1-00			
PCES-5-1	TCS19-1-01	SBS3-1-00			
CDIP30-2-2	TCS20-1-00	SBS4-1-00			
SSCD-4-1	TCS21-1-02	SBS5-1-00			
SSIF-5-1	TCS22-1-00	GMS1-1-00			
CIG-4-1	TCS24-1-02	SSP1-1-02			
MFC-5-1	TCS25-1-00	SSA1-1-00			
MJB-4-2	SWD2-1-00	FGS2-1-01			
PRM-1-2					
PMD-1-1					
SPI-5-2					
PBB-1-2					
FHTMPP-2-1					
FHTCP-4-1					
SBI-5-2					
PUD-4-1					
MI-4-2					
RDI-4-1					
DC-4-1					
PDT-2-2					
RWF1-3-1					
RWF2-3-1					
RWF3-3-2					

THE FOLLOWING SHEETS WILL BE REQUIRED TO COMPLETE THIS JOB

INDEX OF SHEETS

U.S. HIGHWAY 69

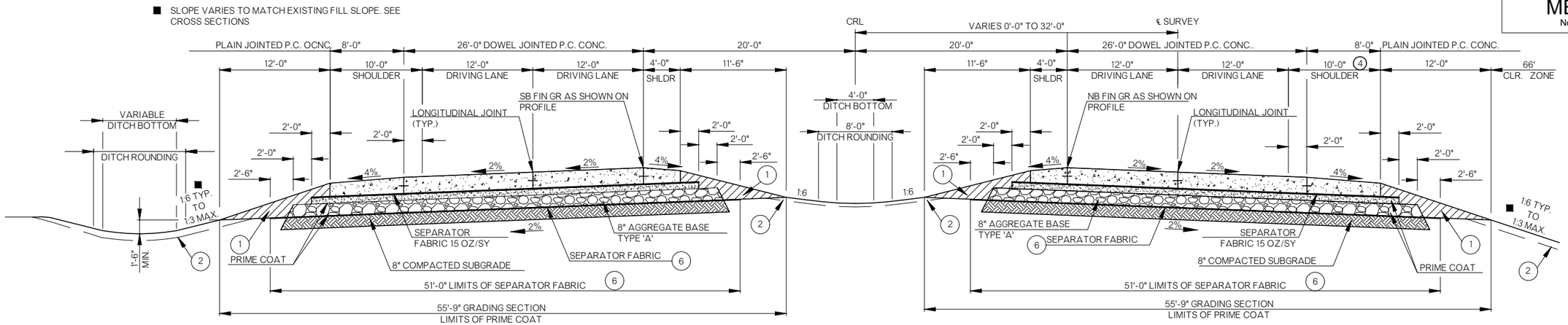
INDEX OF SHEETS

MUSKOGEE COUNTY PROJECT NO. 27108(04) SHEET NO. 0002

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

November 2023



TYPICAL SECTION NO. 1
U.S. 69 SOUTHBOUND
NOT TO SCALE
CRL STA. 566+00 TO CRL STA. 646+06.85

TYPICAL SECTION NO. 2
U.S. 69 NORTHBOUND
NOT TO SCALE
CRL STA. 566+00 TO CRL STA. 646+06.85

PAVEMENT REQUIREMENTS			
MAINLINE			
16.5" PAVT. STRUCTURE	4' INSIDE SHOULDER	12' DRIVING LANES	10' OUTSIDE SHOULDER
SURFACE COURSE	12.5" TO 9.5" PLAIN JOINTED P.C. CONC.	12.5" DOWEL JOINTED P.C. CONC.	12.5" TO 10.5" PLAIN JOINTED P.C. CONC.
BASE COURSE	4" CEMENT TREATED BASE	4" CEMENT TREATED BASE	4" CEMENT TREATED BASE

(1) TO BE BACKFILLED WITH T.B.S.C. AND COMPACTED AS PART OF THE FINISHING OPERATIONS.

(2) THE CONTRACTOR SHALL STRIP ALL OF THE AVAILABLE TOPSOIL WITHIN THE LIMITS OF CONSTRUCTION, APPROXIAMATELY 5" DEEP, STOCKPILE THE MATERIAL AND REPLACE THE TOPSOIL ON THE FINISHED SLOPES OF THE GRADING SECTION. ALL ADDITIONAL COSTS NOT COVERED IN OTHER ITEMS SHALL BE INCLUDED IN THE LUMP SUM TOPSOIL ITEM AS FOLLOWS:

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 MASSLINE BALANCE.

(3) THE FOLLOWING LOCATIONS SHALL RECEIVE A COLONIAL RED BRICK RUNNING BOND PATTERN SURFACE FINISH:
1. SIDEWALKS AND ROADSIDE DIVIDING STRIPS. 2' WIDE PATTERN ADJACENT TO CURB
2. DIVIDING STRIPS AND MEDIANS IN ROADWAY. DECORATIVE PATTERN THE ENTIRE SURFACE.

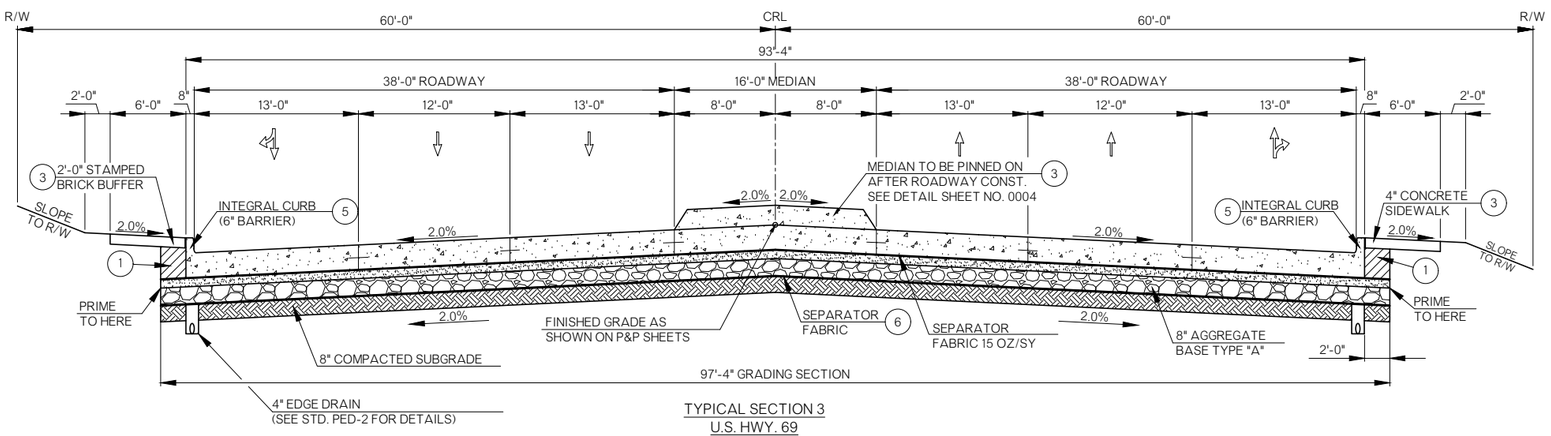
SEE MISCELLANEOUS DETAILS SHEET NO. 0004 FOR DECORATIVE PATTERN.

(4) VARIES AT HANCOCK STREET FOR RIGHT TURN LANE.

(5) 1/2" EXPANSION JOINT FILLER SHALL BE PLACED BETWEEN BACK OF CURB AND SIDEWALKS/DIVIDING STRIPS AND SEALED WITH SILICONE JOINT SEALER. COST OF SILICONE JOINT SEALANT AND EXPANSION JOINT FILLER TO BE INCLUDED IN COST OF SIDEWALK.

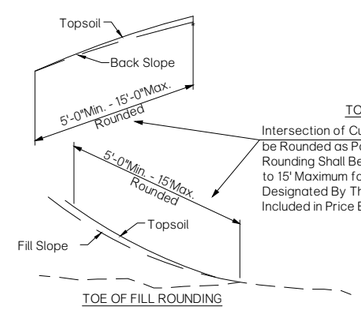
(6) SEPARATOR FABRIC ON SUBGRADE TO BE RS580i OR APPROVED EQUAL.

(7) BASED ON THE FINDINGS OF THE PAVEMENT AND SUBGRADE GEOTECHNICAL REPORT PROVIDED BY TERRACON, THERE ARE SOFT SOLIDS WITHIN THE PROJECT AREA (SOILS WITH SPT N-VALUES OF 5 BLOWS OR LESS). THESE SOILS MAY REQUIRE EITHER PROOF ROLLING, UNDERCUT, OR GEOGRID REINFORCEMENT IN ORDER TO MITIGATE THESE ISSUES PRIOR TO PAVEMENT CONSTRUCTION. SPECIAL CARE SHOULD BE CONSIDERED IN THESE AREAS. FOR MORE SPECIFIC INFORMATION ON THE LOCATIONS OF THE SOFT SOILS DISCOVERED DURING THE INVESTIGATION, PLEASE REFER TO THE PAVEMENT AND SUBGRADE REPORT PROVIDED BY TERRACON.



TYPICAL SECTION 3
U.S. HWY. 69
STA. 646+06.85 TO STA. 696+07.50

PAVEMENT REQUIREMENTS			
MAINLINE			
16.5" PAVT. STRUCTURE	13' INSIDE DRIVING LANE	12' DRIVING LANES	13' OUTSIDE DRIVING LANE
SURFACE COURSE	12.5" DOWEL JOINTED P.C. CONC.	12.5" DOWEL JOINTED P.C. CONC.	12.5" DOWEL JOINTED P.C. CONC.
BASE COURSE	4" CEMENT TREATED BASE	4" CEMENT TREATED BASE	4" CEMENT TREATED BASE



TOP OF CUT ROUNDING

Intersection of Cut and/or Fill Slopes with Ground Line to be Rounded as Part of the 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.

ROUNDING DETAIL

PRINTED: November 29, 2023

U.S. HIGHWAY 69

TYPICAL SECTION

MUSKOGEE COUNTY PROJECT NO. 27108(04) SHEET NO. 0003

HWB E n g i n e e r s
Time of Plot: 11/29/2023 2:46 PM Plot Style: ODOT2020.CTB
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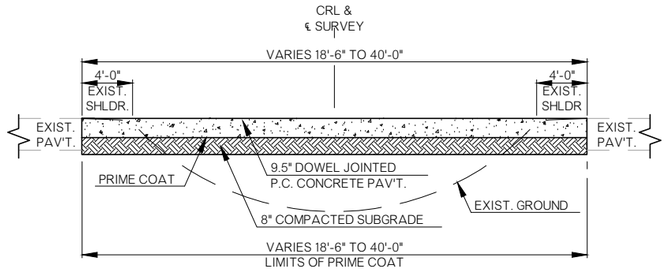
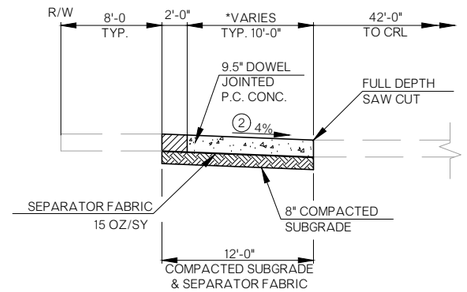
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

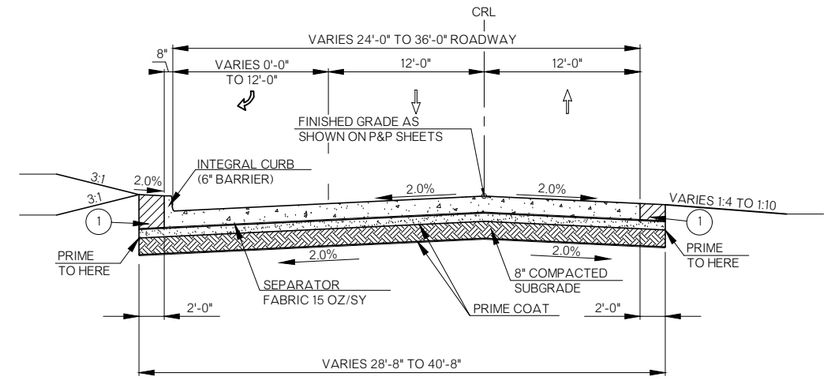
November 2023



TYPICAL SECTION NO. 4
MEDIAN CROSSOVER 'A'
NOT TO SCALE
CRL STA. 562+00 TO CRL STA. 566+50

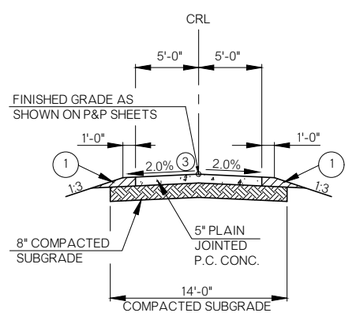


TYPICAL SECTION NO. 5
DETOUR
NOT TO SCALE
*CRL STA. 656+00 TO CRL STA. 691+57.18 WIDTH=10'-0"
*CRL STA. 691+57.18 TO CRL STA. 696+.31 WIDTH VARIES 1'-8" TO 10'-0"

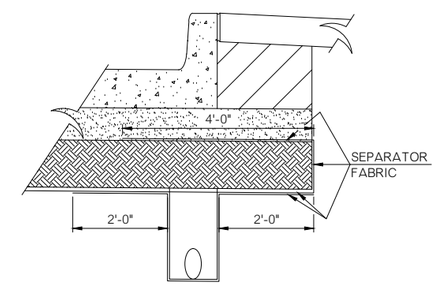


TYPICAL SECTION 6
HANCOCK RD. & BORDER AVE. & STREET RETURNS
STA. 21+13 TO STA. 24+95 (HANCOCK RD.)
STA. 15+25 TO STA. 24+50 (BORDER AVE.)
EXCEPT U.S. 69

PAVEMENT REQUIREMENTS		
HANCOCK & BORDER		
12" PAVT. STRUCTURE	0' TO 12' TURN LANE	12' DRIVING LANES
SURFACE COURSE	8" PLAIN JOINTED P.C. CONC.	8" PLAIN JOINTED P.C. CONC.
BASE COURSE	4" CEMENT TREATED BASE	4" CEMENT TREATED BASE



CENTENNIAL TRAIL TYPICAL SECTION
NOT TO SCALE
STA. 18+00 TO STA. 22+50
EXCEPT BRIDGE "B"



DETAIL OF SEPARATOR FABRIC
AND EDGE DRAIN

1. TO BE BACKFILLED AND COMPACTED AS PART OF THE FINISHING OPERATIONS. COST TO BE INCLUDED IN PRICE BID FOR UNCLASSIFIED BORROW.
2. SLOPE VARIES AS REQUIRED TO MATCH EXISTING GROUND LINE.
3. TRANSITION TO MATCH BRIDGE "B" CROSS SLOPE.

U.S. HIGHWAY 69

TYPICAL SECTION

PRINTED: November 29, 2023

MUSKOGEE COUNTY PROJECT NO. 27108(04) SHEET NO. 0004

HWB E n g i n e e r s
Time of Plot: 11/29/2023 2:47 PM Plot Style: ODOT2020.CTB
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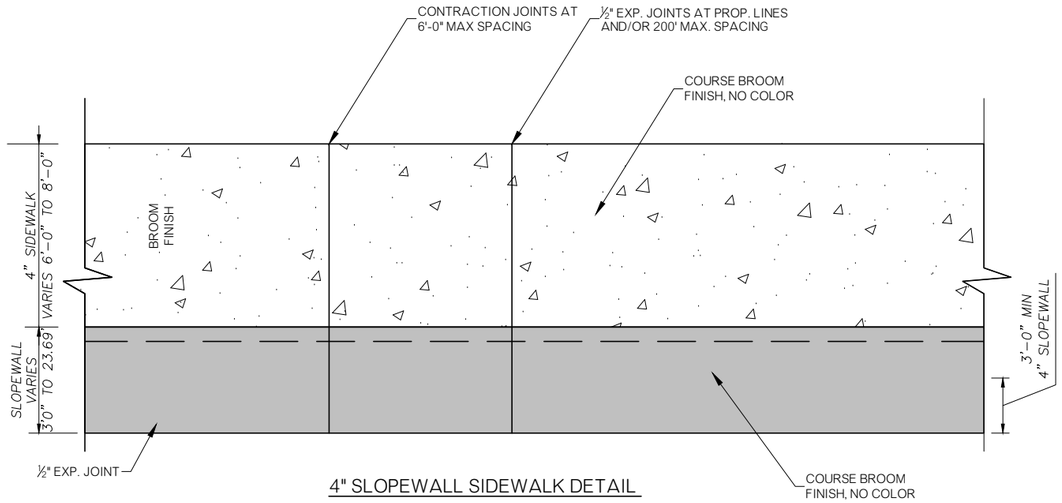
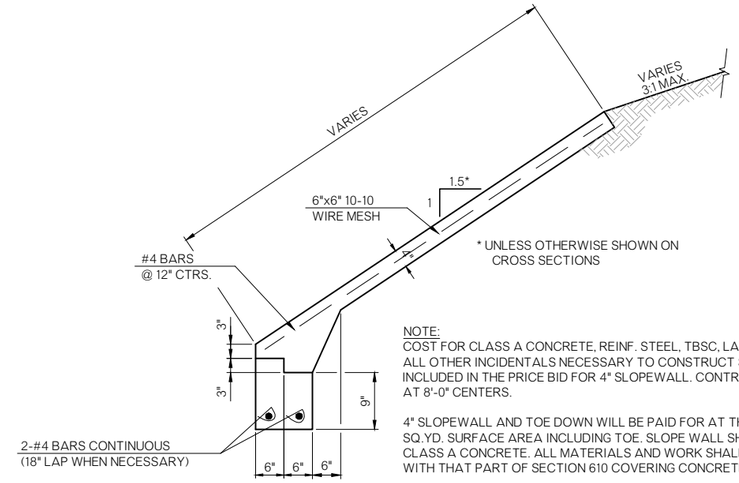
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
November 2023



4" SLOPEWALL SIDEWALK DETAIL

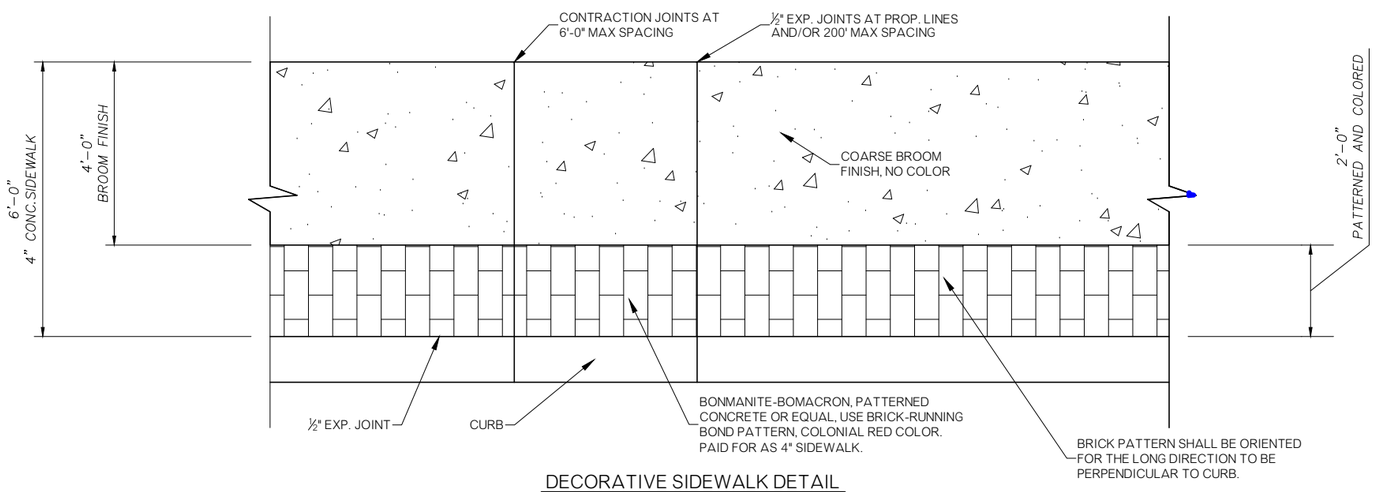


NOTE:
COST FOR CLASS A CONCRETE, REINF. STEEL, TBSC, LABOR, JOINT FILLER AND ALL OTHER INCIDENTALS NECESSARY TO CONSTRUCT SLOPEWALL SHALL BE INCLUDED IN THE PRICE BID FOR 4" SLOPEWALL. CONTRACTION JOINTS SHALL BE AT 8'-0" CENTERS.

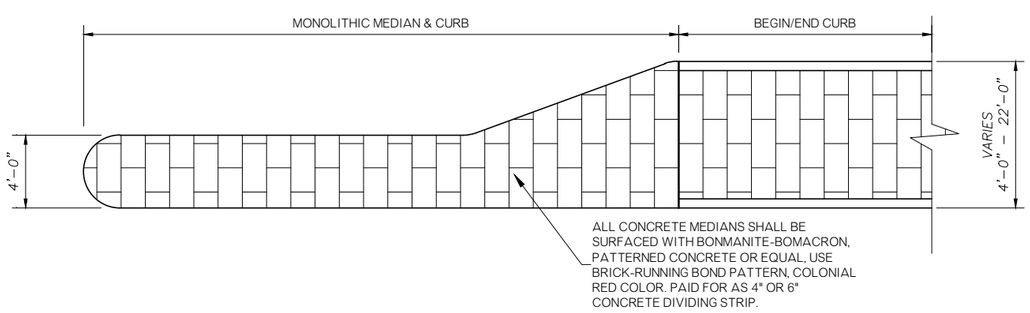
4" SLOPEWALL AND TOE DOWN WILL BE PAID FOR AT THE UNIT PRICE BID PER SQ.YD. SURFACE AREA INCLUDING TOE. SLOPE WALL SHALL BE CONSTRUCTED OF CLASS A CONCRETE. ALL MATERIALS AND WORK SHALL BE IN ACCORDANCE WITH THAT PART OF SECTION 610 COVERING CONCRETE SIDEWALKS.

SLOPE WALL SECTION VIEW

STA. 593+00 RT.
STA. 672+36 RT.
STA. 672+78 TO 674+12 RT.
STA. 690+90 TO 691+70 RT.
STA. 696+50 TO 698+06.5 RT.
STA. 698+24 RT.
STA. 698+45 RT.



DECORATIVE SIDEWALK DETAIL



DECORATIVE MEDIAN DETAIL

SIDEWALK NOTES:

1. EXCAVATION, BACKFILL, EXPANSION JOINT MATERIAL, SEALERS, TEXTURES, PATTERNS, COLORS AND OTHER RELATED MISCELLANEOUS ITEMS WILL NOT BE PAID FOR SEPARATELY BUT THE COST SHALL BE INCLUDED IN THE PRICE FOR 4 INCH CONCRETE SIDEWALK.

2. JOINT SEALER SHALL MEET THE REQUIREMENTS OF SECTIONS 701.08b AND 701.08e.

3. WHEREVER PRACTICABLE, TRANSVERSE SIDEWALK JOINTS SHALL BE ALIGNED WITH PAVING JOINTS AND/OR BRICK PATTERN.

U.S. HIGHWAY 69

MISCELLANEOUS DETAILS

PRINTED: November 29, 2023

MUSKOGEE COUNTY PROJECT NO. 27108(04) SHEET NO. 0005

HWB Engineers
Time of Plot: 11/29/2023 2:52 PM Plot Style: 0007202UTB
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FINAL REVIEW PLANS
OCTOBER 2023

GENERAL NOTES

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

VERIFICATION OF EXISTING CONDITIONS -
THE CONTRACTOR IS RESPONSIBLE FOR FULLY UNDERSTANDING THE NATURE OF THE WORK AND CONDITIONS UNDER WHICH THE WORK WILL BE PERFORMED.
ALL DIMENSIONS OF THE EXISTING BRIDGE COMPONENTS SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS NECESSARY TO CONNECT THE NEW MATERIAL AND SHALL BE SOLELY RESPONSIBLE FOR THE ACCURACY THEREOF.
USE METHODS CONSISTENT WITH GOOD CONSTRUCTION PRACTICE AND TAKE ALL NECESSARY PRECAUTIONS TO PREVENT DAMAGE TO THE EXISTING BRIDGE AND ATTACHMENTS. ANY DAMAGE TO THE EXISTING BRIDGE STRUCTURE OR ROADWAY DUE TO THE CONTRACTOR'S NEGLIGENCE SHALL BE REPAIRED, AT THE CONTRACTOR'S EXPENSE, TO THE SATISFACTION OF THE ENGINEER.

EXISTING 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/about/contact-us/divisions/office-services-division/plans-library.html
FOR QUESTIONS AND CONCERNS REGARDING AS-BUILT PLANS, PLEASE EMAIL: ODOT-PlansLibary@odot.org
THE EXISTING STRUCTURE WAS ORIGINALLY CONSTRUCTED AS PART OF FEDERAL AID PROJECT NOS. U-593(13) & FAGH-593(14).

PILE DRIVING -
USE A PILE DRIVING HAMMER OF THE SIZE AND TYPE CAPABLE OF CONSISTENTLY DELIVERING THE EFFECTIVE DYNAMIC ENERGY TO DRIVE THE PILES TO THE REQUIRED TIP ELEVATION AND TO ACHIEVE AN AXIAL LOAD RESISTANCE EQUAL TO OR GREATER THAN THE FACTORED PILE REACTION WITHOUT EXCEEDING THE LIMITATIONS SET ON THE ALLOWABLE DRIVING STRESSES IN ACCORDANCE WITH SUBSECTION 514.03.A.(2) OF THE SPECIFICATIONS.

PILE CAPACITY -
THE REQUIRED PILE SIZE AND THE FACTORED PILE REACTION ARE SHOWN IN THE PLANS WITH THE FOUNDATION DATA. THE FOLLOWING FORMULA (GATES EQUATION) WILL BE USED TO DETERMINE THE AXIAL LOAD RESISTANCE OF THE DRIVEN FOUNDATION PILES:
AXIAL LOAD RESISTANCE = PHI * [SQRT (E) * 0.875 * LG (10 * N) - 50] (TONS)
WHERE: PHI = 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.
SQRT = SQUARE ROOT
LG = LOGARITHM TO THE BASE 10
THE ABOVE FORMULA IS ONLY APPLICABLE WHEN CERTAIN CONDITIONS APPLY: THE PILE DRIVING HAMMER HAS A FREE FALL (GRAVITY & SINGLE ACTING HAMMERS ONLY); THE HEAD OF THE PILE IS NOT BROOMED, CRUSHED OR OTHERWISE DAMAGED; THE PENETRATION IS QUICK AND UNIFORM; THERE IS NO APPRECIABLE REBOUND OF THE HAMMER; AND 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 ONLY AFTER THE JETS HAVE BEEN WITHDRAWN.

CONCRETE -
PROVIDE ALL PEDESTAL CONCRETE EDGES WITH A 3/4" CHAMFER. PROVIDE ALL OTHER EXPOSED CONCRETE EDGES OF THE SUBSTRUCTURE WITH A 1 1/2" CHAMFER UNLESS OTHERWISE SHOWN OR NOTED. PROVIDE ALL EXPOSED CONCRETE EDGES OF THE SUPERSTRUCTURE WITH A 3/4" CHAMFER UNLESS OTHERWISE SHOWN OR NOTED. USE SIZED LUMBER FOR ALL CHAMFER STRIPS.

PEDESTRIAN BRIDGE SUPERSTRUCTURE -
PROVIDE AND INSTALL PEDESTRIAN BRIDGE SUPERSTRUCTURE IN ACCORDANCE WITH CONTRACT DOCUMENTS TO FURNISH A FUNCTIONALLY COMPLETE BRIDGE UPON COMPLETION. SELECT A SUPERSTRUCTURE SYSTEM AND SUPPLIER APPROVED BY THE BRIDGE ENGINEER. PROVIDE ALL CONTACT AND COORDINATION WITH THE SELECTED SUPPLIER ON THE DEPARTMENT'S BEHALF.
FURNISH SUPERSTRUCTURE DESIGN IN ACCORDANCE WITH THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 8TH EDITION, AND THE 2009 LRFD GUIDE SPECIFICATIONS FOR THE DESIGN OF PEDESTRIAN BRIDGES PREPARED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF OKLAHOMA. SUBMIT DESIGN CALCULATIONS AND WORKING DRAWINGS TO THE BRIDGE ENGINEER FOR APPROVAL. DO NOT BEGIN FABRICATION UNTIL APPROVAL BY THE ENGINEER IS RECEIVED. ADDITIONAL WEIGHT OF ATTACHED SIGNAGE TO BE ACCOUNTED FOR IN DESIGN OF SUPERSTRUCTURE.
ENSURE THE SUBSTRUCTURE DETAILED IN THE PLANS CONFORMS AND CONNECTS TO THE SELECTED SUPERSTRUCTURE, INCLUDING ANY FIELD VERIFICATION AND/OR SURVEYING/STAKING. PROVIDE A WRITTEN SUMMARY TO THE ENGINEER OF ALL PROPOSED ADJUSTMENTS NECESSARY TO PROVIDE FOR PROPER FIT BETWEEN THE SELECTED SUPERSTRUCTURE AND SUBSTRUCTURE. DO NOT BEGIN SUBSTRUCTURE CONSTRUCTION UNTIL APPROVAL BY THE ENGINEER IS RECEIVED. PERFORM ALL MODIFICATIONS TO THE SUPERSTRUCTURE AND SUBSTRUCTURE AT NO ADDITIONAL COST TO THE DEPARTMENT, INCLUDING ANY NECESSARY CHANGES RESULTING FROM AS-BUILT CONDITIONS FOLLOWING SUBSTRUCTURE CONSTRUCTION.
SUBMIT ERECTION AND FALSEWORK DRAWINGS IN ACCORDANCE WITH SUBSECTION 502.04 OF THE SPECIFICATIONS TO THE ENGINEER FOR APPROVAL. DO NOT BEGIN ANY LIFTING AND ERECTION OPERATIONS UNTIL APPROVAL BY THE ENGINEER IS RECEIVED. PROVIDE LIFTING WEIGHTS, ATTACHMENT POINTS AND ALL OTHER NECESSARY INFORMATION AS PRESCRIBED BY THE SUPPLIER ON THE DRAWINGS. EXERCISE CARE TO ENSURE THAT NO DAMAGE IS CAUSED TO TRAFFIC DURING ERECTION.

DECK SLAB -
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 FEET 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.

STAY-IN-PLACE DECK FORMS -
THE CONTRACTOR MAY USE STAY-IN-PLACE STEEL DECK FORMS. THE DEPARTMENT CONSIDERS ALL COSTS OF STAY-IN-PLACE STEEL DECK FORMS TO BE INCLUDED IN THE CONTRACT UNIT PRICE OF (PL) INSTALLATION OF BRIDGE ITEMS. STAY-IN-PLACE PRESTRESSED CONCRETE DECK FORMS WILL NOT BE ALLOWED.

SOFTWARE -
THE FOLLOWING COMPUTER SOFTWARE WAS USED IN THE ANALYSIS AND DESIGN OF THE STRUCTURE(S) DETAILED IN THE PLANS:
(1) SMART BRIDGE TECH CULVERT BRIDGE SUITE (VERSION 1.1, BUILD: 1960, 2017)
(2) WHITE ENGINEERING ASSOCIATES, INC. ABUTMENT/RETAINING WALL DESIGN (VERSION 2.00, 10-19-07)

PAY ITEM NOTES

(BR-1) PAYMENT TO THE CONTRACTOR WILL BE BASED ON PLAN QUANTITIES.

(BR-2) PLACE CLSM BACKFILL BETWEEN NEW R.C.B. BARREL AND WINGS OF EXISTING R.C.B. IN LIFTS NOT EXCEEDING 4'-0" IN DEPTH. QUANTITY SHOWN IS FOR BIDDING PURPOSES ONLY. ACTUAL QUANTITY TO BE DETERMINED IN THE FIELD.

(BR-3) THE CONTRACTOR MAY PLACE CONCRETE AGAINST THE LIMITS OF EXCAVATION IF THE MATERIAL IS EXCAVATED TO THE NEAT LINES OF THE SUBSTRUCTURE AND APPROVED BY THE ENGINEER. IF NECESSARY, USE FORMS AT VERTICAL FACES AND REMOVE THE FORMS AFTER CONCRETE HARDENS. IF THE CONTRACTOR CHOOSES TO PLACE CONCRETE AGAINST THE SOIL, THE DEPARTMENT WILL PAY FOR SUBSTRUCTURE EXCAVATION COMMON IN ACCORDANCE WITH THE DIAGRAMS SHOWN IN THE PLANS.

(BR-4) PAYMENT TO THE CONTRACTOR WILL BE BASED ON PLAN QUANTITIES UNLESS ADDITIONAL PILING LENGTH IS REQUIRED. ADDITIONAL PILES, FURNISHED, AS AUTHORIZED BY THE ENGINEER, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE.

(BR-5) ITEM "(PL) INSTALLATION OF BRIDGE ITEMS" CONSISTS OF PROVIDING AND INSTALLING PEDESTRIAN BRIDGE SUPERSTRUCTURE IN GENERAL ACCORDANCE WITH THE PLANS AND IN A MANNER APPROVED BY THE ENGINEER. SELECT THE SUPERSTRUCTURE SUPPLIER AND SYSTEM FOR USE. PAINT ALL EXPOSED SURFACES OF THE STEEL TRUSS MEMBERS IN ACCORDANCE WITH SECTION 512 OF THE SPECIFICATIONS USING A CATEGORY "N" APPLICATION. BLAST-CLEAN SURFACES TO BE PAINTED TO THE REQUIREMENTS OF SSPC-SP6. PROVIDE XXXXX TOPCOAT, FEDERAL STANDARD 595B, COLOR #XXXXX. INCLUDE ALL COSTS OF FABRICATION, PAINTING, DELIVERY, ERECTION, FALSEWORK, ENGINEERING SERVICES, CONCRETE DECK, AND FENCING IN THE CONTRACT UNIT PRICE OF "(PL) INSTALLATION OF BRIDGE ITEMS".

(BR-6) INCLUDE THE COST OF PIPE UNDERDRAIN COVER MATERIAL (BOTH FILTER SAND AND COARSE) AND FILTER FABRIC IN THE CONTRACT UNIT PRICE OF "6" PERFORATED PIPE UNDERDRAIN ROUND". INSTALL AS SHOWN IN THE PLANS AND ON STD. PUD-4.

(BR-7) THE ENGINEER MAY ADJUST THE EXTENT, LOCATION AND DEPTH OF NON-PERFORATED PIPE UNDERDRAIN DURING CONSTRUCTION. INCLUDE THE COST OF TRENCH EXCAVATION AND STANDARD BEDDING MATERIAL IN THE CONTRACT UNIT PRICE OF "6" NON-PERF. PIPE UNDERDRAIN RND". INSTALL AS SHOWN IN THE PLANS AND ON STD. PUD-4.

(BR-8) ITEM "REMOVAL OF EXISTING BRIDGE STRUCTURE" CONSISTS OF REMOVING AND DISPOSING OF THE SUPERSTRUCTURE AND SUBSTRUCTURE OF THE EXISTING BRIDGE IN ACCORDANCE WITH SUBSECTION 619.04.B OF THE SPECIFICATIONS AND APPROVED BY THE ENGINEER. ALL REMOVED MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR. THE EXISTING BRIDGE IS ARE DESCRIBED AS 46'-46' CONCRETE SLAB SPANS WITH 15' CLEAR ROADWAY.

(BR-9) ITEM "SPECIAL SIGNS" CONSISTS OF PROVIDING AND INSTALLING LETTERING SIGN PANELS TO THE PEDESTRIAN BRIDGE SUPERSTRUCTURE AS SHOWN IN THE PLANS. INCLUDE ALL COST FOR MOUNTING HARDWARE IN THE CONTRACT UNIT PRICE FOR "SPECIAL SIGNS".

J.P. NO. 27108(04)
0200 BRIDGE "A"
N.B.I. NO. 12788

PAY QUANTITIES

U.S.69 OVER COODY CREEK
12'-14'-12' x 14' x 137' R.C.B.
℄ STA. 624+97.71, 0° SKEW

ITEM NO.	ITEM		UNIT	TOTAL
202(A) 2210	UNCLASSIFIED EXCAVATION	(BR-1)	C.Y.	1,160
501(A) 1210	STRUCTURAL EXCAVATION UNCLASSIFIED	(BR-1)	C.Y.	255
501(G) 1800	CLSM BACKFILL	(BR-2)	C.Y.	235.7
509(A) 0210	CLASS AA CONCRETE	(BR-1)	C.Y.	622.9
511(A) 2210	REINFORCING STEEL	(BR-1)	LB.	88,860

J.P. NO. 27108(04)
0201 BRIDGE "B"
N.B.I. NO. XXXXX

PAY QUANTITIES

CENTENNIAL TRAIL OVER U.S.69
200' LONG x 12' WIDE STEEL THRU-TRUSS SPAN
℄ STA. 652+78.34, 5° TURN RT. RWD.

ITEM NO.	ITEM		UNIT	TOTAL
501(B) 1300	SUBSTRUCTURE EXCAVATION COMMON	(BR-1, 3)	C.Y.	80
501(F) 1700	GRANULAR BACKFILL	(BR-1)	C.Y.	82
509(B) 0320	CLASS A CONCRETE	(BR-1)	C.Y.	32.4
510(C) 1450	SLOPE WALL (5")	(BR-1)	S.Y.	404
511(A) 2210	REINFORCING STEEL	(BR-1)	LB.	3,800
514(A) 5210	PILES, FURNISHED (HP 10x42)	(BR-4)	L.F.	371
514(B) 5310	PILES, DRIVEN (HP 10x42)		L.F.	371
514(L) 6300	PILE SPLICE, H-PILE (NON-BIDDABLE)		EA.	1
542 9100	(PL)INSTALLATION OF BRIDGE ITEMS	(BR-5)	L.SUM	1
613(H) 6205	6" PERFORATED PIPE UNDERDRAIN ROUND	(BR-1, 6)	L.F.	68
613(I) 6310	6" NON-PERF. PIPE UNDERDRAIN RND.	(BR-7)	L.F.	36
619(D) 6700	REMOVAL OF EXISTING BRIDGE STRUCTURE	(BR-8)	L.SUM	1

J.P. NO. 27108(04)
0900 NON-PARTICIPATING ITEMS

PAY QUANTITIES

ITEM NO.	ITEM		UNIT	TOTAL
850(D) 1510	SPECIAL SIGNS	(BR-9)	EA.	16

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U.S.69 OVER COODY CREEK - BR. "A" MUSKOGEE COUNTY
CENTENNIAL TRAIL OVER U.S.69 - BR. "B"

SUMMARY OF PAY QUANTITIES AND GENERAL NOTES (BRIDGE)

Design	CEG
Detail	DRB
Check	AFW

CEC

STATE OF OKLAHOMA | DEPARTMENT OF TRANSPORTATION
JOB PIECE NO. 27108(04) | SHEET NO. AB01

OKLAHOMA DEPARTMENT OF TRANSPORTATION

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

$$$$DATE$$$

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

$$$$DATE$$$

ENVIRONMENTAL MITIGATION NOTES

SWALLOW PLAN NOTE FOR BRIDGE REPLACEMENT PROJECTS:

ENVIRONMENTAL MITIGATION NOTES

DESIGN	WS	12/19
DRAWN	RR	12/19
CHECKED	WS	12/19
APPROVED		
SQUAD	HUB	ENGINEERS

OKLAHOMA DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN DIVISION

ENVIRONMENTAL NOTES

COUNTY MUSKOGEE HIGHWAY U.S.-69 STATE JOB NO. 27108(04) SHEET NO. AE01

HUB Engineers
Time of Plot: 11/21/2023 4:00 PM Plot Style: --HUB--HALF.CTB
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$$$$DATE$$$

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

November 2023

JP27108(04) 0100	SUMMARY OF PAY QUANTITIES (ROADWAY)			
ITEM NUMBER	DESCRIPTION		UNIT	QUANTITY
201(A)1200	CLEARING AND GRUBBING	(R-1)(R-2)	LSUM	1.00
202(A)2200	UNCLASSIFIED EXCAVATION	(R-1)(2)	CY	64230.00
205(A)6200	TYPE A-SALVAGED TOPSOIL	(R-4) (R-6)	LSUM	1.00
221(B)2300	TEMPORARY SILT FENCE	(R-8)	LF	5970.00
221(C)2410	REINFORCED SILT FENCE	(R-8)	LF	2880.00
221(E)2600	TEMPORARY SILT DIKE	(R-8)	LF	1175.00
221(H)2900	(PL)TEMPORARY INLET SEDIMENT FILTER	(R-8)	EA	35.00
230(A)7200	SOLID SLAB SODDING	(R-6)(R-7)	SY	24096.00
233(A)0200	VEGETATIVE MULCHING	(R-11)	AC	30.00
241 3100	MOWING	(R-15)	AC	30.00
303(A)1200	AGGREGATE BASE TYPE A	(R-16)(1)	CY	33483.00
317 7100	CEMENT TREATED BASE		SY	141679.00
325 0100	SEPARATOR FABRIC		SY	173391.00
402(E)2600	TRAFFIC BOUND SURFACE COURSE TYPE E	(R-20)	TON	25528.00
408 8100	PRIME COAT	(R-23)	GAL	93730.00
414(A)5200	P.C.CONCRETE PAVEMENT(PLACEMENT)		SY	32060.00
414(B)5300	DOWEL JOINTED P.C.C. PAVT., (PLACEMENT)		SY	105987.00
414(G)5800	P.C.CONCRETE FOR PAVEMENT		CY	46515.90
501(A)1200	STRUCTURAL EXCAVATION UNCLASSIFIED		CY	12.00
509(A)0200	CLASS AA CONCRETE		CY	223.00
509(D)0500	CLASS C CONCRETE	(R-33)	CY	39.00
510(C)1420	SLOPE WALL (4")		SY	300.00
510(D)1510	MSE RETAINING WALL		SY	604.50
511(B)2300	EPOXY COATED REINFORCING STEEL		LB	26488.00
601(B) 1220	TYPE 1-A PLAIN RIPRAP		TON	80.00
601(C) 1300	TYPE 1-A FILTER BLANKET		TON	20.00
609(A)4230	CONC. CURB(6" BARRIER-INTEGRAL)		LF	7722.00
610(A)5200	4" CONCRETE SIDEWALK		SY	5207.00
610(B)5300	6" CONC. DRIVE (H.E.S.)		SY	11962.00
610(B)5320	8" CONC. DRIVE		SY	1180.00
610(C)5430	DECORATIVE MEDIAN CONCRETE		SY	2347.00
611(A)7210	MANHOLE (4' DIA.)	(R-35)	EA	1.00
611(A)7215	MANHOLE (5' DIA.)	(R-35)	EA	2.00
611(A)7230	MANHOLE (8' DIA.)	(R-35)	EA	3.00
611(B)7320	ADD'L DEPTH IN MANHOLE (8' DIA.)	(R-35)	VF	7.00
611(G)0354	INLET (SMD-TYPE 2)	(R-35)	EA	12.00
611(G)0358	INLET (SMD-TYPE 2A)	(R-35)	EA	4.00
611(G)0610	PRECAST INLET PJB 6' WIDE (DES. 2 STD)	(R-34)	EA	5.00
611(G)0614	PRECAST INLET PJB 6' WIDE (DES. 2 B)	(R-34)	EA	14.00
611(G)0622	PRECAST INLET PJB 6' WIDE (DES. 2 D)	(R-34)	EA	1.00
611(G)0630	PRECAST INLET PJB 6' WIDE (DES. 2 2C)	(R-34)	EA	1.00
611(G)0638	PRECAST INLET PJB 6' WIDE (DES. 2 2D)	(R-34)	EA	1.00
611(G)0650	PRECAST INLET PJB 6' WIDE (DES. 3 D)	(R-34)	EA	1.00
611(G)7700	SPECIAL INLET DESIGN	(R-34)	EA	7.00
611(G)7864	PRECAST INLET CI DES. 2 (STD)	(R-34)	EA	2.00
611(G)7868	PRECAST INLET CI DES. 2 (B)	(R-34)	EA	6.00
611(G)7888	PRECAST INLET CI DES. 2 (2C)	(R-34)	EA	2.00
611(G)7892	PRECAST INLET CI DES. 2 (2D)	(R-34)	EA	1.00
611(G)7900	PRECAST INLET CI DES. 3 (B)	(R-34)	EA	1.00
611(G)9020	INLET CDI RCP (DES. 6)		EA	1.00
611(H)0414	ADD'L DEPTH IN INLET CI DES. 2		VF	19.00
611(H)0458	ADD'L DEPTH IN PRECAST INLET PJB 6' WIDE		VF	66.00
611(L)1610	SPECIAL JUNCTION BOXES	(R-35)	EA	4.00
613(A)5204	15" R.C.PIPE CLASS III	(3)	LF	288.00
613(A)5208	18" R.C.PIPE CLASS III	(3)	LF	1791.00
613(A)5216	24" R.C.PIPE CLASS III	(3)	LF	450.00
613(A)5220	30" R.C.PIPE CLASS III	(3)	LF	132.00
613(A)5224	36" R.C.PIPE CLASS III	(3)	LF	1129.00
613(A)5228	42" R.C.PIPE CLASS III	(3)	LF	1082.00
613(A)5232	48" R.C.PIPE CLASS III	(3)	LF	1290.00
613(A)5400	14" X 23" R.C.PIPE ELL. CLASS HE-III	(3)	LF	90.00
613(B)5600	17" X 13" CORR. GALV. STEEL PIPE ARCH	(3)	LF	144.00
613(B)5604	21" X 15" CORR. GALV. STEEL PIPE ARCH	(3)	LF	160.00
613(B)5612	28" X 20" CORR. GALV. STEEL PIPE ARCH	(3)	LF	214.00
613(B)5616	35" X 24" CORR. GALV. STEEL PIPE ARCH	(3)	LF	58.00
613(B)5620	42" X 29" CORR. GALV. STEEL PIPE ARCH	(3)	LF	56.00
613(B)5624	49" X 33" CORR. GALV. STEEL PIPE ARCH	(3)	LF	66.00
613(J)6400	EDGE DRAIN CONDUIT-PERFORATED	(4)	LF	7570.00
613(K)6500	EDGE DRAIN OUTLET LATERAL-NONPERFORATED	(4)	LF	720.00
613(L)6608	21" X 15" PREFAB. CULVERT END SEC., ARCH	(3)	EA	6.00
613(L)6624	28" X 20" PREFAB. CULVERT END SEC., ARCH	(3)	EA	8.00
613(L)6632	35" X 24" PREFAB. CULVERT END SEC., ARCH	(3)	EA	2.00
613(L)6644	42" X 29" PREFAB. CULVERT END SEC., ARCH	(3)	EA	2.00
613(L)6652	49" X 33" PREFAB. CULVERT END SEC., ARCH	(3)	EA	2.00
613(L)6708	18" PREFAB. CULVERT END SEC., ROUND	(3)	EA	24.00
613(L)6716	24" PREFAB. CULVERT END SEC., ROUND	(3)	EA	2.00
613(L)6724	30" PREFAB. CULVERT END SEC., ROUND	(3)	EA	2.00
613(L)6728	36" PREFAB. CULVERT END SEC., ROUND	(3)	EA	2.00
613(M)6960	TYPE A4 CULVERT END TREATMENT		EA	18.00
613(V)8000	TRENCH EXCAVATION UNCLASSIFIED		CY	3840.00
619(A)6200	REMOVAL OF STRUCTURES & OBSTRUCTIONS	(R-39),(R-40)(R-41)	LSUM	1.00
619(B)6300	REMOVAL OF HEADWALL		EA	10.00
619(B)6360	REMOVAL OF CONCRETE PAVEMENT	(R-39),(R-40)(R-41)	SY	25528.00
619(B)6376	REMOVAL OF CONC.PAV. W/ASPH. OVERLAY	(R-39),(R-40)(R-41)	SY	70485.00

JP27108(04) 0100	SUMMARY OF PAY QUANTITIES (ROADWAY CONT.)			
ITEM NUMBER	DESCRIPTION		UNIT	QUANTITY
619(B)6380	REMOVAL OF CONCRETE DRIVEWAY	(R-39),(R-40)(R-41)	SY	10869.00
619(B)6384	REMOVAL OF ASPHALT DRIVEWAY	(R-39),(R-40)(R-41)	SY	2251.00
619(B)6386	REMOVAL OF GRAVEL DRIVEWAY	(R-39),(R-40)(R-41)	SY	1079.00
619(C)6600	SAWING PAVEMENT		LF	13195.00
624 3100	(PL) ORNAMENTAL FENCE	(R-43)	LF	913.00
624 3110	(PL) WOOD PRIVACY FENCE	(R-43)	LF	298.00
624(A)3200	FENCE-STYLE WWF	(R-43)	LF	1004.00
624(C)3400	FENCE-STYLE SWF (4 BARBED WIRE)	(R-43)	LF	600.00
624(C)3405	FENCE-STYLE SWF (5 BARBED WIRE)	(R-43)	LF	1108.00
624(C)3410	FENCE-STYLE SWF (6 BARBED WIRE)	(R-43)	LF	298.00
624(E)3600	FENCE-STYLE CLF (4'HIGH, CLASS A	(R-43)	LF	935.00
624(E)3610	FENCE-STYLE CLF (5'HIGH, CLASS A)	(R-43)	LF	1014.00
624(E)3620	FENCE-STYLE CLF (6'HIGH, CLASS A)	(R-43)	LF	455.00
626(A)5210	REMOVE AND RESET MONUMENT	(6)	EA	1.00
629(A)7200	MAILBOX INSTALLATION-SINGLE		EA	10.00

JP27108(04) 600	SUMMARY OF PAY QUANTITIES (STAKING)			
ITEM NUMBER	DESCRIPTION	ITEM NOTES	UNIT	QUANTITY
642(B)3300	CONSTRUCTION STAKING LEVEL II	(5)	LSUM	1.00

JP27108(04) 0640	SUMMARY OF PAY QUANTITIES (CONSTRUCTION)			
ITEM NUMBER	DESCRIPTION	ITEM NOTES	UNIT	QUANTITY
220 1100	SWPPP DOCUMENTATION AND MANAGEMENT		LSUM	1.00
640(A)1210	FIELD OFFICE		EA	1.00
641 2110	MOBILIZATION		LSUM	1.00

HUB Engineers
Time of Plot: 11/30/2023 1:27 PM Plot Style: MONOCHROME.STB
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DESIGN	WS	12/19	OKLAHOMA DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION
DRAWN	RR	12/19	
CHECKED	WS	12/19	SUMMARY OF PAY QUANTITIES (ROADWAY)
APPROVED			
SQUAD	HUB ENGINEERS		

COUNTY MUSKOGEE HIGHWAY U.S.-69 STATE JOB NO. 27108(04) SHEET NO. AR01

OKLAHOMA DEPARTMENT OF TRANSPORTATION

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November 2023

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

November 2023

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.

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

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, AND OTHER DEBRIS THAT MIGHT INTERFERE WITH THE FLOW OF WATER SHALL BE CLEANED OUT 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 UNCLASSIFIED EXCAVATION 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.

VEGETATIVE MULCHING: THE VEGETATIVE MULCH SHALL BE ANCHORED IN ACCORDANCE WITH THE "ADHESIVE SPRAY METHOD", AS SPECIFIED IN 233.04B(1) OF THE STANDARD SPECIFICATIONS.

THE PLANTING OF MULCH SOD SHALL BE RESTRICTED TO THE PERIOD FROM MARCH TO OCTOBER.

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.

AGGREGATE BASE ON DETOUR ROADS, REMOVED AND RELAID FOR SHOULDERS, DRIVEWAYS AND/OR RETURNS ON MAIN ROADWAY, SHALL MEET THE SPECIFICATIONS FOR "AGGREGATE BASE" WHEN RELAID. NO PLANT MIXING WILL BE REQUIRED FOR THIS MATERIAL.

BITUMINOUS SURFACING ON AGGREGATE BASE WHICH IS TO BE RELAID SHALL BE SCARIFIED AND INCORPORATED INTO THE AGGREGATE BASE MATERIAL. IN ALL OTHER RESPECTS, THE MATERIAL TO BE RELAID SHALL MEET THE SPECIFICATIONS FOR "AGGREGATE BASE".

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).

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

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 JULY 26, 2011. 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 DESIGN STANDARD DRAWING 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 WITHIN THE "PEDESTRIAN ACCESS ROUTE" AS DEFINED BY PROWAG.

PAY ITEM NOTES

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

(R-4) AN ESTIMATED QUANTITY OF 3500 C.Y. TOPSOIL TO BE RESERVED FOR REPLACEMENT OF APPROXIMATELY 5" ON COMPLETED FORESLOPES, DITCHES, AND BACKSLOPES. THIS QUANTITY IS INCLUDED IN THE EARTHWORK BALANCE. 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 ITEM 205(A) AND 230(A) PRICE BID TO INCLUDE COST OF 10-20-10 FERTILIZER, ESTIMATED AT 200 POUNDS PER 1000 SY.

(R-7) FOR ITEM 205(A) AND 230(A) PRICE BID TO INCLUDE COST OF WATERING, ESTIMATED AT 60 GALLONS PER SY.

(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 15 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-20) ESTIMATED AT 165 LBS. PER CU. FT.

(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-33) QUANTITY INCLUDES AN ESTIMATED 20.6 C.Y. TO BE USED AS DIRECTED BY THE ENGINEER.

(R-34) PRICE BID TO INCLUDE COST OF 42 - 6" BARRIER CURB HOODS.

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

(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.

(1) EXISTING P.C. PAVEMENT MAY BE RECYCLED. PROCESSED CONCRETE AS AGGREGATE BASE SHALL MEET REQUIREMENTS AS DEFINED IN SECTION 703.01 OF THE STANDARD SPECIFICATIONS. COST INCLUDED IN OTHER ITEMS OF WORK.

(2) QUANTITY INCLUDES 10,000 CY. ESTIMATED FOR UNDERCUTTING PURPOSES, AND 1502 CY FOR DRAINAGE STRUCTURES.

(3) INCLUDES COST OF STANDARD BEDDING MATERIAL.

(4) INCLUDES COST OF TRENCH EXCAVATION & STANDARD BEDDING MATERIAL.

(5) PRICE BID SHALL INCLUDE ALL STAKING FOR ROADWAY & SIGNS.

(6) INCLUDES REMOVAL AND RESETTING OF "STATES EARLIEST OIL REFINERY" SIGN LOCATED AT STA. 601+60.

DESIGN	WS	12/19
DRAWN	RR	12/19
CHECKED	WS	12/19
APPROVED		
SQUAD	HUB	ENGINEERS

OKLAHOMA DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN DIVISION

SUMMARY OF PAY QUANTITIES (ROADWAY)

COUNTY MUSKOGEE HIGHWAY U.S.-69 STATE JOB NO. 27108(04) SHEET NO. AR02

REVISIONS		
NO.	DESCRIPTION	DATE

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 CITY OF MUSKOGEE AT (918) 684-6330.

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.

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 (405)522-6543 OR WWW.CALLOKIE.COM OR THE LOCAL COUNTY CLERK'S OFFICE.

CONCRETE WASH OUT FROM THE CONCRETE TRUCK AND CLEAN UP OF CONCRETE EQUIPMENT MUST BE CAPTURED IN A PIT OR A VESSEL AND NOT ALLOWED TO BE DISCHARGED TO THE STORM SEWER.

PAINTS AND OTHER CHEMICAL MUST BE USED AND STORED IN SUCH A MANNER AS NOT TO ALLOW CHEMICALS TO BE DISCHARGED TO THE STORM SEWER, THIS INCLUDES ANY CLEAN UP WATER OR SOLVENTS.

BEST MANAGEMENT PRACTICES MUST BE USED WHERE APPROPRIATE TO PREVENT DIRT OR OTHER SEDIMENTS FROM ENTERING THE SANITARY SEWER.

PAY QUANTITY NOTES

(TP-1) PAYMENT FOR THIS ITEM WILL BE BASED ON PLAN QUANTITY. SEE THE 2019 SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

(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-35) FOR ADDITIONAL INFORMATION CONCERNING THE SERVICE POLE, CONTACT THE FOLLOWING PRIOR TO INSTALLATION:
WITH THE COMPANY OF.....OG&E.
COMPANY'S/CITY'S TELEPHONE NO.....800-272-9741.

(1) POLYMER CONCRETE PULL BOXES SHALL BE USED.

(2) THE HAND HOLES AT THE BASE OF THE POLES SHALL BE PLACED AT 135 DEGREES CLOCKWISE FROM THE MAST ARMS IN ORDER TO AVOID CONFLICTS WITH THE PEDESTRIAN PUSH BUTTONS AND SIGNS BEING INSTALLED ON THIS PROJECT.

(3) THIS PAY ITEM IS TO BRING POWER TO THE CONTROLLER CABINET FROM THE SERVICE POLE.

(4) THE CONTROLLER(S) TO BE FURNISHED ON THIS PROJECT SHALL BE VEHICLE ACTUATED SOLID STATE DIGITAL ECONOLITE CONTROLLERS AND HAVE A NATURAL ALUMINUM FINISH CABINET WITH VOLUME DENSITY FEATURES. THE CONTRACTOR SHALL FURNISH THE CONTROLLER(S) AND MOUNTING FRAMES AT THE INTERSECTIONS OF S. 32ND STREET WITH HANCOCK ST., BORDER AVE. AND ARLINE STREETS. THESE CONTROLLERS SHALL BE 8 PHASE WITH ALL RED CONFLICT AND USER FLASH.

THE CONTROLLER(S) WITH 2P - 4P CAPABILITY SHALL BE FURNISHED WITH 8 LOAD RECEPTACLE BAYS. CONTROLLER(S) WITH 5P - 8P CAPABILITY SHALL BE FURNISHED WITH 16 LOAD SWITCH RECEPTACLE BAYS. ALL CORRESPONDING RECEPTACLE WIRING IN THE CABINET AND FIELD WIRING SHALL BE INSTALLED FOR THE CONTROLLER AS REQUIRED EXCEPT FOR ADDITIONAL DETECTOR CONNECTING CABLES WHEN THE CONTROLLER IS EXPANDED. THE CONTROLLER(S) SHALL BE CAPABLE OF PERFORMING AS SHOWN ON PHASE & SEQUENCE DIAGRAMS. PEDESTRIAN ISOLATION SHALL BE PROVIDED IN THE CONTROLLER CABINET. ALL N.E.M.A. FUNCTIONS SHALL TERMINATE IN THE CONTROLLER CABINET.

CABINET SHALL HAVE A 120V RECEPTACLE INSTALLED INSIDE OF THE CABINET IN ADDITION TO OR IN LIEU OF A RECEPTACLE INSTALLED ON THE DOOR. ALSO, ALL CABINETS THAT ARE TO BE INSTALLED IN A SIGNAL INTERCONNECT SYSTEM SHALL HAVE A PULL- OUT COMPUTER SHELF AND DRAWER INSTALLED FOR LAPTOP USE AT THE CONTROLLER CABINET.

(5) CONTROLLERS SHALL BE EQUIPPED WITH TESCO CONTROLS, INC. CONTINUOUS POWER UNIT. THIS UNIT SHALL PROVIDE 400 WATTS OF CONTINUOUS POWER FOR A MINIMUM OF 8 HOURS. THIS UNIT SHALL ALSO INCLUDE BATTERIES, CABINET, WIRING AND PAD IF NECESSARY. THIS POWER UNIT SHALL INCLUDE AN INTERCHANGEABLE HARD DISK THAT IS CAPABLE OF STORING AND RETRIEVING ALL ACTIVITY DATA, SUCH AS TIME, DATE, AND DURATION OF EVENTS. ALSO THE SURGE PROTECTORS TO BE SUPPLIED ON THIS PROJECT FOR THE TRAFFIC SIGNALS SHALL BE INNOVATIVE TECHNOLOGY, INC. SURGE PROTECTORS, MODEL NO. HS-P-SP-120A-60A-RJ, OR APPROVED EQUAL.

(6) THIS PROJECT INVOLVES THE INSTALLATION OF A VIDEO VEHICLE DETECTION SYSTEM FOR THREE (3) INTERSECTIONS. THE CONTRACTOR SHALL FURNISH AND INSTALL THE FOLLOWING EQUIPMENT AT EACH INTERSECTION:

A. AN ECONOLITE AUTOSCOPE SOLO TERRA 8 CHANNEL PROCESSOR (OR APPROVED EQUAL) VEHICLE DETECTION SYSTEM UNIT INCLUDING A LAPTOP COMPUTER WITH ALL NECESSARY CABLES, HARNESSES, MATERIALS, FITTINGS AND MISCELLANEOUS COMPONENTS NECESSARY TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM AT THREE (3) INTERSECTIONS ON THIS PROJECT. THE MINIMUM SPECIFICATIONS FOR THE COMPUTER SYSTEM – INTEL 4TH GENERATION CORE i7 2.3 GHz PROCESSOR, 16 GB RAM, 1 TB HARD DRIVE, DIGITAL MEDIA READER AND USB 2.0 PORTS.

B. FOUR (4) CAMERA(S) AT EACH INTERSECTION WITH ZOOM LENSE CAPABILITY AND CAN DETECT THE AREAS SHOWN ON THE PLANS AT EACH APPROACH.

C. HARNESSES TO CONNECT AND OPERATE THE NEW SYSTEM IN THE LOCAL MAINTAINING AGENCY OFFICE.

PAY QUANTITIES

JP#27108(04)
0300 TRAFFIC SIGNAL

ITEM	DESCRIPTION		UNIT	HANCOCK	BORDER	ARLINE	TOTAL
802(B) 8342	2" PVC SCH. 40 PLASTIC CONDUIT TRENCHED	(TP-1)	LF	260.00	200.00	200.00	660.00
802(B) 8344	3" PVC SCH. 40 PLASTIC CONDUIT BORED	(TP-1)	LF	370.00	375.00	290.00	1035.00
802(B) 8346	3" PVC SCH. 40 PLASTIC CONDUIT TRENCHED	(TP-1)	LF	60.00	60.00	60.00	180.00
803(A) 8065	PULL BOX (SIZE I)	(1)	EA	3.00	3.00	3.00	9.00
803(A) 8066	PULL BOX (SIZE II)	(1)	EA	1.00	1.00	1.00	3.00
804(A) 2915	STRUCTURAL CONCRETE	(TP-1)	CY	19.80	21.40	24.80	66.00
804(B) 2916	REINFORCING STEEL	(TP-1)	LB	2855.20	3121.80	3562.00	9539.00
805(A) 8726	(PL) REMOVAL OF TRAFFIC SIGNAL EQUIPMENT	(TR-24)	LSUM	1.00	1.00	1.00	1.00
806(A) 8311	32' MH POLE 35' TS & 10' LMA (G.STL.)	(2,13)	EA	1.00	1.00		2.00
806(A) 8312	32' MH POLE 40' TS & 10' LMA (G.STL.)	(2,13)	EA		1.00		1.00
806(A) 8313	32' MH POLE 45' TS & 10' LMA (G.STL.)	(2,13)	EA	2.00	1.00		3.00
806(A) 8314	32' MH POLE 50' TS & 10' LMA (G.STL.)	(2,13)	EA			1.00	1.00
806(A) 8350	32' MH POLE, 30' TS & 10' LMA (G.STL.)	(2,13)	EA			1.00	1.00
806(A) 8353	32' MH POLE, 55' TS & 10' LMA (G.STL.)	(2,13)	EA			1.00	1.00
806(A) 8728	POLE & 30' TS MST. ARM (G.STL.)	(2,13)	EA	1.00	1.00	1.00	3.00
806(B) 8894	10' MTG. HT. TS PED. POLE (G.STL.)		EA		2.00	4.00	6.00
809(A) 8090	ROADWAY LUMINAIRE		EA	3.00	3.00	3.00	9.00
810(A) 3118	SERVICE POLE	(TL-35)	EA	1.00	1.00	1.00	3.00
811 8040	1/C NO. 6 ELECTRICAL CONDUCTOR	(TP-1)(3)	LF	200.00	200.00	200.00	600.00
811 8044	1/C NO. 10 ELECTRICAL CONDUCTOR	(TP-1)	LF	2200.00	2080.00	1895.00	6175.00
825 8550	TRAFFIC SIGNAL CONTROLLER ASSEMBLY	(4,5)	EA	1.00	1.00	1.00	3.00
828 0100	(PL)DETECTION SYSTEM (VIDEO)	(6)	LSUM	1.00	1.00	1.00	1.00
830 8000	PEDESTRIAN PUSH BUTTON	(7)	EA		2.00	8.00	10.00
831 8231	1WAY 3SEC. ADJ. SIG. HD. S-6	(8)	EA	8.00	8.00	10.00	26.00
831 8252	1WAY 3SEC. ADJ. SIG. HD. S-9	(8)	EA	2.00			2.00
831 8280	1WAY 3SEC. ADJ. SIG. HD. S-13	(8)	EA	1.00	4.00	4.00	9.00
831 8295	1WAY 2SEC. ADJ. PED. SIG. HD. S-20	(9)	EA		2.00	8.00	10.00
833 3030	BACKPLATE	(10)	EA	11.00	13.00	14.00	38.00
834(A) 8207	5/C TRAFFIC SIGNAL ELECTRICAL CABLE	(TP-1)	LF	450.00	380.00	535.00	1365.00
834(A) 8208	7/C TRAFFIC SIGNAL ELECTRICAL CABLE	(TP-1)	LF	120.00	240.00	260.00	620.00
834(A) 8213	21/C TRAFFIC SIGNAL ELECTRICAL CABLE	(TP-1)	LF	945.00	905.00	825.00	2675.00
834(B) 6300	2/C SHIELDED LOOP DETECTOR LEAD-IN CABLE	(TP-1)(11)	LF		20.00	80.00	100.00
840(B) 8593	E.P.S. OPTICAL DETECTOR	(12)	EA	4.00	4.00	4.00	12.00
840(C) 8594	E.P.S. OPTICAL DETECTOR CABLE	(TP-1)(12)	LF	1175.00	1145.00	1085.00	3405.00
840(D) 0510	E.P.S. 4 CHANNEL PHASE SELECTOR	(12)	EA	1.00	1.00	1.00	3.00
850(C) 8118	MAST ARM MOUNTED SIGNS (ALUMINUM)	(TP-1)	SF	61.50	84.00	82.00	227.50

D. VIDEO POWER CABLE SHALL BE AS PER THE MANUFACTURER SPECIFICATIONS.

E. VIDEO COAXIAL CABLE SHALL BE LOW LOSS PRECISION CABLE SUITED FOR OUTDOOR APPLICATION. VIDEO CABLE SHALL BE BELDON 8281, WEST PENN P 806, OR APPROVED EQUAL.

F. THE VIDEO FEEDBACK TO THE LOCAL MAINTAINING AGENCY OFFICE SHALL OCCUR OVER LOCAL TELEPHONE LINES.

G. ONE DAY OF TRAINING FOR CITY PERSONNEL IN THE USE AND MAINTENANCE OF THE SYSTEM SHALL BE PROVIDED BY A MANUFACTURERS REPRESENTATIVE. DOCUMENTATION OF THE TRAINING PROVIDED SHALL BE PROVIDED FOR THE ENGINEER.

(7) CONTRACTOR SHALL PROVIDE POLARA 2-WIRE NAVIGATOR ACCESSIBLE PEDESTRIAN SIGNAL PUSH BUTTON OR APPROVED EQUAL. R10-3E PEDESTRIAN PUSH BUTTON SIGNS SHALL BE USED.

(8) RED, YELLOW AND GREEN LED TRAFFIC SIGNAL HEADS SHALL BE FURNISHED AND INSTALLED ON THIS PROJECT. THE LED TRAFFIC MODULES, LENSES, AND ALL ASSOCIATED MATERIAL AND EQUIPMENT SHALL CONFORM TO I.T.E. VEHICLE TRAFFIC CONTROL SIGNAL HEAD (VTCSH) STANDARDS IN EFFECT AT THE TIME THAT THE ORDER IS PLACED. LED HEADS SHALL BE CAPABLE OF OPERATING WITHOUT A REFLECTOR.

(9) LED INTERNATIONAL HEADS DISPLAYING INCANDESCENT LOOKING FULLY-ILLUMINATED SYMBOLS (WALKING PERSON AND UPRAISED HAND) SHALL BE REQUIRED ON THIS PROJECT.

THESE PEDESTRIAN HEADS SHALL ALSO BE COUNTDOWN TYPE HEADS.

(10) REFLECTORIZED BACKPLATES SHALL BE SUPPLIED ON THIS PROJECT FOR ALL SIGNAL HEADS.

(11) PAY ITEM IS TO RUN FROM THE PEDESTRIAN PUSH BUTTONS TO THE TERMINAL STRIP AT THE BASE OF THE POLES.

(12) THE PREEMPTION CONTROL SYSTEM SHALL INTERFACE WITH THE TRAFFIC CONTROLLER TO GIVE EMERGENCY VEHICLES APPROACHING THE INTERSECTION A GREEN WITH ALL OTHER INDICATIONS BEING RED. THE SYSTEM SHALL BE CAPABLE OF TWO PRIORITY LEVELS AND LOG THE LAST 100 EVENTS WITH TIME DATE STAMP. EMITTER SHALL BE SELECTABLE TO TRANSMIT UP TO 9999 VEHICLE CODES. ALL EQUIPMENT IN THE SYSTEM SHALL MEET NEMA ENVIRONMENTAL STANDARDS.

THE MANUFACTURER OR MANUFACTURER'S REPRESENTATIVES SHALL PROVIDE ASSISTANCE TO THE CONTRACTOR OR AGENCY INSTALLING THE EQUIPMENT AS TO THE BEST LOCATION FOR THE DETECTOR PLACEMENT AT EACH INTERSECTION INVOLVED WITH THE PROJECT. ALL EQUIPMENT MUST BE PLAINLY MARKED AS TO THE MANUFACTURER OF THE EQUIPMENT TO PROVIDE CLEAR IDENTIFICATION AS TO THE MANUFACTURER'S MODEL AND SERIAL NUMBER OF EACH UNIT. NEMA CERTIFICATION, TEST REPORTS SHALL BE PROVIDED UPON REQUEST BY THE ENGINEER.

Design	RWR	08-14-23
Drawn	SB	08-14-23

TEC A CLEAR DIRECTION

SIGNAL
PAY QUANTITIES & NOTES

State Job No. 27108(04) Sheet No. AT01

MUSKOGEE COUNTY

08-14-23 G:\OIProjects\T-2385A - SD,SS,LT - EC-1576 US 69 Muskogee Plan Update\CAD\AT01-270804-SIGNAL PAY QUANTITIES & NOTES.dgn

REVISIONS		
NO.	DESCRIPTION	DATE

GENERAL CONSTRUCTION NOTES

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 (405) 522-6543 OR WWW.CALLOKIE.COM OR THE LOCAL COUNTY CLERK'S OFFICE.

ANY SIGNS AND/OR DELINEATORS WHICH ARE TO BE REMOVED DURING THIS PROJECT WILL BE STORED IN A PROTECTED AREA DESIGNATED BY THE RESIDENT ENGINEER UNTIL SUCH TIME THAT THEY ARE TO BE RESET BY THE CONTRACTOR. COST OF THIS WORK TO BE INCLUDED IN OTHER ITEMS OF WORK.

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.

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

THIS PROJECT SHALL BE CONSTRUCTED WITHOUT CLOSING TRAFFIC ON CROSS STREETS. A MINIMUM OF ONE LANE IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES. SEE O.D.O.T. STANDARDS AND DETAIL DRAWINGS FOR MAINTENANCE OF LOCAL AND THROUGH TRAFFIC.

ALL REMOVED SIGNS, SIGN POSTS, BOLTS, MISCELLANEOUS HARDWARE, AND DELINEATORS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE LIMITS OF THE PROJECT AS APPROVED BY THE ENGINEER.

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

PAY QUANTITY NOTES

(1) REMOVAL AND RESETTING OF EXISTING SIGNS ARE SHOWN IN THE PLANS AND INCLUDED IN THE SIGN SUMMARY AND SHALL INCLUDE THE REMOVAL OF EXISTING SIGNS, FOOTINGS, AND ANY FOOTINGS ADJACENT TO THE SIGNS AND THE REINSTALLATION OF THE SIGN WITH POSTS IN KIND AND IN ACCORDANCE WITH ODOT STANDARD DRAWINGS. WHEN APPROVED BY THE ENGINEER, FOOTINGS MAY BE OBLITERATED TO A POINT BELOW GROUND LEVEL IN LIEU OF BEING COMPLETELY REMOVED. SEE GENERAL CONSTRUCTION NOTES FOR DISPOSAL OF OLD CONCRETE FOOTING MATERIAL.

(TP-1) PAYMENT FOR THIS ITEM WILL BE BASED ON PLAN QUANTITY. SEE THE 2019 SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

(TS-24) QUANTITY SHOWN INCLUDES 1,855 L.F. TRAFFIC STRIPE (MULTI-POLYMER) (WHITE), 6,050 L.F. TRAFFIC STRIPE (MULTI-POLYMER) (YELLOW) AND 4,100 L.F. TRAFFIC STRIPE (MULTI-POLYMER) (BLACK) AND WILL BE MEASURED BY THE LINEAR FOOT OF FOUR INCH (4") WIDE TRAFFIC STRIPE.

(TS-25) QUANTITY SHOWN INCLUDES 27,385 L.F. TRAFFIC STRIPE (MULTI-POLYMER) (WHITE), 16,505 L.F. TRAFFIC STRIPE (MULTI-POLYMER) (YELLOW) AND 7,660 L.F. TRAFFIC STRIPE (MULTI-POLYMER) (BLACK) AND WILL BE MEASURED BY THE LINEAR FOOT OF SIX INCH (6") WIDE TRAFFIC STRIPE.

(TS-26) QUANTITY SHOWN INCLUDES 855 L.F. TRAFFIC STRIPE (MULTI-POLYMER) (WHITE) AND 0 L.F. TRAFFIC STRIPE (MULTI-POLYMER) (YELLOW) AND 0 L.F. TRAFFIC STRIPE (MULTI-POLYMER) (BLACK) AND WILL BE MEASURED BY THE LINEAR FOOT OF EIGHT INCH (8") WIDE TRAFFIC STRIPE.

(TS-28) QUANTITY SHOWN INCLUDES 1,550 L.F. TRAFFIC STRIPE (MULTI-POLYMER) (WHITE) AND WILL BE MEASURED BY THE LINEAR FOOT OF TWENTY-FOUR INCH (24") WIDE TRAFFIC STRIPE.

(TS-32) THE 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 (TRAFFIC STRIPE) SHALL INCLUDE COST OF REMOVAL OF ARROWS, WORDS, AND SYMBOLS. THE PAVEMENT MARKING TO BE REMOVED SHALL BE CONSIDERED THERMOPLASTIC AND BID ACCORDINGLY.

DURING REMOVAL OF EXISTING STRIPING AND REPLACEMENT WITH NEW STRIPING, PERMANENT STRIPING SHALL BE REPLACED WITHIN 48 HOURS AFTER OLD STRIPING IS REMOVED.

(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).

PAY QUANTITIES

JP 27108(04)
0301 TRAFFIC SIGNING.& STRIPING

ITEM	DESCRIPTION		UNIT	TOTAL
804(A) 2200	STRUCTURAL CONCRETE	(TP-1)	CY	1.20
804(B) 2300	REINFORCING STEEL	(TP-1)	LB	168.00
805(D) 3528	(PL)REMOVE & RESET EXISTING SIGNS	(1)	EA	3.00
850(A) 1200	SHEET ALUMINUM SIGNS		SF	739.40
851(B) 2325	4"@10.79 GALV. STEEL PIPE POST		LF	80.00
851(C) 2415	2" SQUARE TUBE POST	(TS-33)	LF	1352.00
856(A) 8200	TRAFFIC STRIPE (MULTI-POLY.)(4" WIDE)	(TS-24)	LF	12005.00
856(A) 8204	TRAFFIC STRIPE (MULTI-POLY.)(6" WIDE)	(TS-25)	LF	51550.00
856(A) 8208	TRAFFIC STRIPE (MULTI-POLY.)(8" WIDE)	(TS-26)	LF	855.00
856(A) 8216	TRAFFIC STRIPE (MULTI-POLY.)(24" WIDE)	(TS-28)	LF	1550.00
856(B) 8304	TRAFFIC STRIPE (MULTI-POLY.)(ARROWS)		EA	68.00
857(F) 9700	PAVEMENT MRKNG.REMOVAL(TRAF.STRP)	(TS-32)	LF	10000.00

Design	RWR	08-14-23
Drawn	SB	08-14-23

TEC A CLEAR DIRECTION

SIGNING & STRIPING
PAY QUANTITIES & NOTES

State Job No. 27108(04) Sheet No. AT02

MUSKOGEE COUNTY

08-14-23 G:\OProjects\T-2385A - SD,SS,LT - EC-1576 US 69 Muskogee Plan Update\CAD\AT02-270804-SIGNING & STRIPING PAY QUANTITIES & NOTES.dgn

REVISIONS		
NO.	DESCRIPTION	DATE

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 ENGINEERING 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 (405)522-6543 OR WWW.CALLOKIE.COM OR THE LOCAL COUNTY CLERK'S OFFICE.

(TL-35) SEE SERVICE POLE SCHEDULE. FOR ADDITIONAL INFORMATION CONCERNING THE SERVICE POLE, CONTACT THE FOLLOWING PRIOR TO INSTALLATION:
PERSON'S NAME.....JACQUE HANNA
WITH THE COMPANY/CITY OF.....OG&E IN MUSKOGEE
COMPANY'S/CITY'S TELEPHONE NO... (918) 688-0234.

(TP-1) PAYMENT FOR THIS ITEM WILL BE BASED ON PLAN QUANTITY. SEE THE 2019 SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

(1) POLYMER CONCRETE PULL BOXES SHALL BE USED.

(2) THE ROADWAY LIGHT FIXTURES TO BE USED ON THIS PROJECT SHALL BE HOLOPHANE ATBM P30 MVOLT R3 4B P7 PCLL FIXTURES OR AN APPROVED EQUAL.

(3) THIS WIRE SHALL BE ALUMINUM WIRE ONLY. ALL ASSOCIATED HARDWARE (CONNECTORS, SPLICES, BREAKERS, ETC.) NECESSARY TO ASSURE PROPER INSTALLATION AND PERFORMANCE OF THIS ALUMINUM WIRE IN ACCORDANCE WITH CURRENT SPECIFICATIONS, STANDARDS AND PRACTICE SHALL BE INCLUDED IN THE PRICE BID FOR THIS ITEM.

PAY QUANTITY INCLUDES SUFFICIENT QUANTITY TO RUN TWO (2) NO. 4 ELECTRICAL ALUMINUM WIRES FOR THESE CIRCUITS. ONE (1) NO. 4 BLACK WIRE FOR THE LOAD AND ONE (1) NO. 4 WHITE WIRE FOR NEUTRAL TO ALL LIGHT POLES ON THIS PROJECT, IN ACCORDANCE WITH CURRENT STANDARDS AND PRACTICE. COLORED TAPE OR PAINT WILL NOT BE ACCEPTABLE FOR COLORING THESE ELECTRICAL WIRES.

PAY QUANTITIES

JP#27108(04)
0302 TRAFFIC LIGHTING

ITEM	DESCRIPTION		UNIT	TOTAL
802(B) 0320	2" PVC SCH. 40 PLASTIC CONDUIT BORED	(TP-1)	LF	3785.00
802(B) 0324	2" PVC SCH. 40 PLASTIC CONDUIT TRENCHED	(TP-1)	LF	8540.00
803(A) 1210	PULL BOX (SIZE I)	(1)	EA	5.00
804(A) 2200	STRUCTURAL CONCRETE	(TP-1)	CY	82.00
804(B) 2300	REINFORCING STEEL	(TP-1)	LB	14200.00
806(C) 4512	40' MTG & 10' HLMA (G.STL.)		EA	40.00
806(C) 4524	40' MHP & TWIN H.L. MST. ARM (G.STL.)		EA	10.00
807 5120	BREAKAWAY BASE (DES. B)		EA	12.00
809(A) 7200	ROADWAY LUMINAIRE	(2)	EA	60.00
810(A) 8200	SERVICE POLE	(TL-35)	EA	1.00
811 9115	1/C NO.4 ELECT.COND.	(TP-1)(3)	LF	25885.00
811 9135	1/C NO.12 ELECT.COND.	(TP-1)	LF	6000.00

Design	RWR	08-14-23
Drawn	SB	08-14-23

TEC A CLEAR DIRECTION

LIGHTING
PAY QUANTITIES & NOTES

State Job No. 27108(04) Sheet No. AT03

MUSKOGEE COUNTY

08-14-23 G:\OProjects\T-2385A - SD,SS,LT - EC-1576 US 69 Muskogee Plan Update\CAD\AT03-2710804-LIGHTING PAY QUANTITIES & NOTES.dgn

REVISIONS		
NO.	DESCRIPTION	DATE

GENERAL CONSTRUCTION NOTES

ANY SIGNS AND/OR DELINEATORS WHICH ARE TO BE REMOVED DURING THIS PROJECT WILL BE STORED IN A PROTECTED AREA DESIGNATED BY THE RESIDENT ENGINEER UNTIL SUCH A TIME THAT THEY ARE TO BE RESET BY THE CONTRACTOR. COST OF THIS WORK TO BE INCLUDED IN OTHER ITEMS OF WORK.

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 10 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.

FIVE (5) WORKING DAYS PRIOR TO DETOURING WIDE LOAD VEHICLES, FOR THE CONSTRUCTION OF THE 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 10 FT. SHOULD BE ADVISED AND RESTRICTED (SEE PLANS FOR PROPOSED WIDE LOAD DETOUR ROUTE). UPON COMPLETION OF THE PROJECT THE RESIDENT ENGINEER SHALL CONTACT THE OKLAHOMA HIGHWAY PATROL AND ADVISE THE OFFICE THAT THE WIDE LOAD DETOUR IS NO LONGER IN EFFECT.

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 (405) 522-6543 OR WWW.CALLOKIE.COM OR THE LOCAL COUNTY CLERK'S OFFICE.

PAY QUANTITY NOTES

(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 CONTRACTORS EXPENSE AND SHALL BE ACCOMPLISHED IN A TIMELY MANNER UPON NOTIFICATION BY THE ENGINEER OF SUCH FAILURE.

(TC-17) INCLUDES AN ESTIMATED 126,580 L.F. (PAINT) (4" WIDE) WHITE 194,960 L.F. (PAINT) (4" WIDE) YELLOW STRIPE.

(TC-19) THIS ITEM INCLUDES AN ESTIMATED 156,700 L.F. (4" WIDE) WHITE AND 127,300 L.F. (4" 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.

(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 USE ONE OF THE FOLLOWING METHODS:
- REMOVABLE PAVEMENT MARKING TAPE
- CLASS A PAVEMENT MARKERS

(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-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 VI 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 'B' 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 SIGNS, TRUCK MOUNTED ATTENUATORS OR CONSTRUCTION ZONE IMPACT ATTENUATORS 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-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 CONTRACTORS 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-73) QUANTITY SHOWN INCLUDES 15,000 EA. (WHITE) AND 20,000 EA. (YELLOW) CONSTRUCTION ZONE PAVEMENT MARKERS (FLEX TABS). THESE CONSTRUCTION ZONE PAVEMENT MARKERS SHALL BE EITHER "DAVIDSON PLASTICS: MODEL TOM", OR AN APPROVED EQUAL. PRICE BID FOR THIS ITEM SHALL INCLUDE THE INITIAL PLACEMENT, SUBSEQUENT REPLACEMENT, AND REMOVAL. THE CONSTRUCTION ZONE PAVEMENT MARKERS (FLEX TABS) SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND AS SHOWN ON STANDARD DRAWING TCS21-1-(LATEST REVISION).

(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) 675 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.

(1) THE QUANTITY PROVIDES FOR TWO (2) MESSAGE BOARDS FOR THE DURATION OF THE PROJECT TO BE USED AT THE DISCRETION OF THE ENGINEER.

(2) PAY QUANTITY REFLECTS THE AMOUNT OF 4" TAPE OR THE EQUIVALENT AMOUNT OF 4" TAPE FOR STRIPING THAT IS WIDER THAN 4 INCHES.

(4) TYPE "D" WARNING LIGHTS SHALL BE USED ON ALL DRUMS USED ON THIS PROJECT.

(5) REMOVABLE PAVE. MARKING TAPE SHALL BE USED AS TEMPORARY STRIPE WHENEVER TRAFFIC IS PLACED ON FINAL SURFACE AND SHALL BE PLACED IN THE SAME LAYOUT AS FINAL STRIPING BETWEEN FINAL SURFACING AND FINAL STRIPING.

(6) THE CONTRACTOR SHALL MAINTAIN ALL TEMPORARY STRIPE AND RAISED PAVE. MARKERS. IF THE CONTRACTOR DOES NOT ADEQUATELY MAINTAIN THE TEMPORARY STRIPE AND RAISED PAVE. MARKERS THEN ODOT TRAFFIC DIVISION, ODOT ROADWAY DIVISION, AND ODOT FIELD DISTRICT SHALL ALL HAVE THE AUTHORITY TO REQUIRE THE CONTRACTOR TO REPLACE ALL OR PORTIONS OF THE TEMPORARY STRIPE AND RAISED PAVE. MARKERS.

PAY QUANTITIES

JP#27108(04)
0303 TRAFFIC CONTROL

ITEM	DESCRIPTION		UNIT	TOTAL
857(A) 9200	CONSTRUCTION TRAFFIC STR.(PAINT)(4" WIDE)	(TC-16,17,26,75)(6)	LF	190,000.00
857(C) 9400	REMOVABLE PAVEMENT MARKING TAPE (4" WIDE)	(TC-19,20,26,75)(2,5,6)	LF	321,540.00
857(C) 9420	REMOVABLE PAVEMENT MARKING TAPE (ARROWS)	(TC-70,75)	EA	50.00
857(E) 9620	(PL)CONST.ZONE PAV.MKRS(FLEX TAB)TYP.2-1	(TC-61,70,73,75)	EA	35,000.00
857(F) 9700	PAVEMENT MRKNG.REMOVAL(TRAF.STRP)	(TC-22,70)	LF	80,400.00
880(B) 6300	CONSTRUCTION SIGNS 0 TO 6.25 SF	(TC-26,28,33,84)	SD	9,357.00
880(B) 6310	CONSTRUCTION SIGNS 6.26 SF TO 15.99 SF	(TC-26,29,33,84)	SD	23,182.00
880(B) 6320	CONSTRUCTION SIGNS 16.0 SF TO 32.99 SF	(TC-26,30,33,84)	SD	7,997.00
880(C) 6410	CONSTRUCTION BARRICADES (TYPE III)	(TC-26,84)	SD	16,760.00
880(D) 6500	VERTICAL PANELS	(TC-26,84)	SD	33,750.00
880(E) 6607	WARNING LIGHTS (TYPE B)	(TC-26,84)	SD	108,262.00
880(E) 6616	WARNING LIGHTS (TYPE D)	(TC-26,84)	SD	54,297.00
880(F) 6700	DRUMS	(TC-26,84)(4)	SD	54,297.00
880(G) 6800	TUBE CHANNELIZERS	(TC-26,84)	SD	66,070.00
880(G) 6805	CHANNELIZER CONES	(TC-26,84)	SD	25,616.00
882(A) 8210	PORT. CHANGEABLE MESSAGE SIGN	(TC-52,70,84,85)(1)	SD	1,350.00

Design	RWR	08-14-23
Drawn	SB	08-14-23

TEC A CLEAR DIRECTION

TRAFFIC CONTROL
PAY QUANTITIES & NOTES

State Job No. 27108(04) Sheet No. AT04

MUSKOGEE COUNTY

08-14-23 G:\OlProjects\1-2385A - SD,SS,LT - EC-1576 US 69 Muskogee Plan Update\CAD\AT04-27108(04)-TRAFFIC CONTROL PAY QUANTITIES & NOTES.dgn

SUMMARY OF SURFACING AND RELATED QUANTITIES

LOCATION: SHEET NUMBER	LOCATION: C.R.L STATION TO C.R.L STATION (CTR. LINE OR REF. LINE)	303(A) 1200 8" AGG. BASE TYPE A	317 7100 CEMENT TREATED BASE	325 0100 SEPARATOR FABRIC (SPECIAL)	402(E) T.B.S.C. TYPE E	408 5774 PRIME COAT	414(B)5300 DOWEL JOINTED P.C.C. PAVT.,(PLACEMNET)	414(A)5200 P.C.CONCRETE PAVEMENT(PLACEMENT)	414(G)5800 P.C.CONCRETE FOR PAVEMENT	609(A)4230 CONC. CURB (6" BARRIER-INTEGRAL)	610(A)5200 4" CONCRETE SIDEWALK	610(A)5410 6" DECORATIVE MEDIAN CONCRETE	613(J)6400 EDGE DRAIN CONDUIT-PERFORATED	619(B)6360 REMOVAL OF CONCRETE PAVEMENT	619(B)6376 REMOVAL OF CONC.PAV. W/ASPH.OVERLAY	619 (C) 0924 SAWING PAVEMENT
		CY	SY	SY	TON	GAL	SY	SY	CY	LF	SY	SY	SY	SY	SY	LF
R001	CRL STA. 561+00 TO STA.568+00	530	2,234	2,549	1,441	1,430	1,485	574	697.10					819	1,247	
R002	CRL STA. 568+00 TO STA. 583+00	3,610	14,962	17,860	3,088	9,746	9,038	4,607	3,208.40					4,756	7,592	
R003	CRL STA. 583+00 TO STA. 598+00	3,700	15,372	18,235	3,088	9,988	9,359	4,729	3,320.90					3,507	6,062	
R004	CRL STA. 598+00 TO STA. 613+00	3,667	15,195	18,123	3,088	9,899	8,910	4,979	3,133.30					7,139	6,212	
R005	CRL STA. 613+00 TO STA.628+00	3,529	14,575	17,505	3,088	9,528	8,645	4,623	4,455.60						11,451	
R006	CRL STA. 628+00 TO STA.643+00	3,406	13,996	16,998	3,088	9,194	8,001	4,653	3,310.20	34					10,181	
R007	CRL STA. 643+00 TO STA.658+00	3,511	15,979	17,174	3,088	9,478	14,521	678	5,574.20	2,482		1,267		201	8,091	
R008	CRL STA.658+00 TO STA.664+00	1,446	6,505	6,505	248	3,903	6,187		2,537.80	729	1,475		1,200	595	3,453	
R009	CRL STA.664+00 TO STA.670+00	1,443	6,490	6,490	248	3,894	6,196		3,644.60	701	719	119	1,200	1,095	3,064	
R010	CRL STA.670+00 TO STA.676+00	1,443	6,490	6,490	248	3,894	6,199		2,684.80	469	623	262	1,200	1,450	2,774	
R011	CRL STA.676+00 TO STA.682+00	1,443	6,490	6,490	248	3,894	6,217		2,740.90	384	683	220	1,200	1,410	3,388	
R012	CRL STA.682+00 TO STA.688+00	1,445	6,500	6,500	248	3,900	6,202		2,531.90	456	529	273	1,200	1,380	3,680	
R013	CRL STA.688+00 TO STA.694+00	1,467	6,602	6,602	248	3,961	6,316		3,765.30	503	654	32	1,200	1,359	3,290	
R014	CRL STA.694+00 TO STA.695+95	492	2,210	2,210	80	1,326	2,113		1,266.10	121	524	174	370	1,817		
	SUB TOTALS	31,132	133,600	149,731	21,532	84,035	99,389	24,843	42,871.1	5,879	5,207	2,347	7,570	25,528	70,485	
	STREETS															
	CRL STA. 566+68.86 HADDOCK DR.		233	466	46	280		221	58.4	151						
	CRL STA. 593+31.89 W HANCOCOK ST.		2291	4581	143	2749		2035	537.0	474						
	CRL STA 615+23.69 RAMONA DR.		218	435	30	261		188	49.5							
	CRL STA 646+06.85 BORDER AVE.		4075	8149	118	4890		3678	970.5	390						
	CRL STA 662+53.97 ESTELLE AVE.		125	250	22	150		104	27.5	74						
	CRL STA 671+71.94 ARLINE ST.		451	901	64	541		405	106.8	212						
	CRL STA 680+85.74 ELGIN ST.		379	757	59	455		330	86.9	196						
	CRL STA 684+08.84 DENVER ST.		240	479	45	288		205	53.9	150						
	CRL STA 690+13.80 KATE FRANK DR.		67	134	59	81		51	13.4	196						
	SUB TOTALS		8079	16152	588	9695		7217	1903.9	1843						
	TEMPORARY PAVEMENT - DETOURS															
	CRL STA 563+00 TO 566+50 CROSSOVER DETOUR			1426			1426		376.10							
	CRL STA 656+00 TO 696+95 - DETOUR			6082			5172		1,364.80							13,195
	TOTALS	31,132	141,679	173,391	22,119	93,730	105,987	32,060	46,516	7,722	5,207	2,347	7,570	25,528	70,485	13,195

SUMMARY OF EARTHWORK

LOCATION: STATION (CTR. LINE OR REF. LINE)	202(A) UNCLASSIFIED EXCAVATION	EMBANKMENT (+20%)	EXCESS EXCAVATION	WASTE
	CY	CY	CY	CY
PHASE - 1				
CRL STA. 642+00 TO STA.643+00	113	188		
CRL STA. 643+00 TO STA.656+00	6,495	5,034		
Bridge "B" Pedestrian Bridge & Trail	60	660		
SUB-TOTAL	*6,668*	*5,882*	786	
PHASE - 2				
CRL STA. 566+00 TO STA.568+00	549	38		
CRL STA. 568+00 TO STA. 583+00	2,444	630		
CRL STA. 583+00 TO STA. 598+00	1,070	2,161		
CRL STA. 598+00 TO STA. 613+00	1,665	1,836		
CRL STA. 613+00 TO STA.628+00	1,388	3,345		
CRL STA. 628+00 TO STA.642+00	3,148	1,287		
SUB-TOTAL	*10,264*	*9,297*	967	
PHASE - 3				
CRL STA. 566+00 TO STA.568+00	477	20		
CRL STA. 568+00 TO STA. 583+00	2,611	617		
CRL STA. 583+00 TO STA. 598+00	4,764	1,116		
CRL STA. 598+00 TO STA. 613+00	1,602	2,885		
CRL STA. 613+00 TO STA.628+00	2,189	3,301		
CRL STA. 628+00 TO STA.642+00	1,940	2,492		
SUB-TOTAL	*13,583*	*10,431*	3,152	
PHASE - 4 DETOUR WIDENING				
CRL STA. 656+00 TO 696+95.31	1,214		1,214	
PHASE - 5				
CRL STA. 656+00 TO STA.658+00	292			
CRL STA.658+00 TO STA.664+00	883			
CRL STA.664+00 TO STA.670+00	752			
CRL STA.670+00 TO STA.676+00	559			
CRL STA.676+00 TO STA.682+00	692			
CRL STA.682+00 TO STA.688+00	549			
CRL STA.688+00 TO STA.694+00	805			
CRL STA.694+00 TO STA.695+62	220			
SUB-TOTAL	*4,752*		4,752	
PHASE - 6				
CRL STA. 656+00 TO STA.658+00	444	5		
CRL STA.658+00 TO STA.664+00	1,508	30		
CRL STA.664+00 TO STA.670+00	1,187	2		
CRL STA.670+00 TO STA.676+00	1,194	9		
CRL STA.676+00 TO STA.682+00	1,203	14		
CRL STA.682+00 TO STA.688+00	883	20		
CRL STA.688+00 TO STA.694+00	930	22		
CRL STA.694+00 TO STA.695+62	249	4		
SUB-TOTAL	*7,598*	*106*	7,492	
PHASE - 7				
CRL STA. 656+00 TO STA.658+00	691			
CRL STA.658+00 TO STA.664+00	1,305	60		
CRL STA.664+00 TO STA.670+00	1,014	1		
CRL STA.670+00 TO STA.676+00	897	54		
CRL STA.676+00 TO STA.682+00	888	99		
CRL STA.682+00 TO STA.688+00	672	67		
CRL STA.688+00 TO STA.694+00	682	59		
CRL STA.694+00 TO STA.695+62	152	26		
SUB-TOTAL	*6,301*	*366*	5,935	
Border Avenue	2,823	27	2,796	
Hancock Street	739		739	
SUB-TOTALS	*52,728*	*26,109*	*27,833*	
TOTALS	52,728	26,109	-	27,833

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
October 2023

U.S. HIGHWAY 69

SUMMARY SHEET (1 OF 6)

MUSKOGEE COUNTY PROJECT NO. 27108(04) SHEET NO. AX01

SUMMARY OF DRIVEWAYS-MAINLINE

C.R.L. STATION	LOCATION	DRIVE TYPE	SURFACE TYPE	LENGTH	WIDTH	BACK RADIUS	AHEAD RADIUS	303(A)1200 AGG. BASE TYPE "A"	610(B)5300 6" CONC. DRIVE (H.E.S.)	610(B)5320 8" CONC. DRIVE	402(E)2600 6" TRAFFIC BOUND SURFACE COURSE TYPE "E"	619(B)6380 REMOVAL OF CONCRETE DRIVEWAY	619(B)6384 REMOVAL OF ASPHALT DRIVEWAY	619(B)6386 REMOVAL OF GRAVEL DRIVEWAY	REMARKS
				FT	FT	FT	FT	CY	SY	SY	TON	SY	SY	SY	
566+73.00	LT	1 PVT.	TBSC	63	12	10	15	15.33			34.06			92.00	FIELD ENTRANCE
567+04.00	LT	1PVT.	TBSC	62	12	10	15	15.17			33.57			91.00	FIELD ENTRANCE
567+32.00	RT	COMM.	CONC.	62	22	15	15	27.17	163			163.00			-
569+07.00	RT	COMM.	CONC.	59	22	15	15	25.83	155			155.00			-
572+27.00	RT	COMM.	CONC.	59	34	40	40	50.00	300			300.00			-
573+81.00	LT	COMM.	CONC.	58	22	25	25	28.67	172			172.00			-
575+49.00	RT	1 PVT.	TBSC	59	12	15	15	15.00			33.19			90.00	FIELD ENTRANCE
576+77.00	LT	COMM	TBSC	58	24	15	15	27.67			61.40			166.00	FIELD ENTRANCE
578+63.00	LT	COMM	CONC.	58	26	25	15	31.33	188			188.00			SPECIAL
580+22.00	LT	COMM	CONC.	58	12	15	25	16.33	98			98.00			SPECIAL
580+39.00	RT	1 PVT.	CONC.	59	24	25	25	31.33	188			188.00			-
582+00.00	LT	1 PVT.	CONC.	58	12	25	25	18.00	108			108.00			SPECIAL
582+75.00	LT	1 PVT.	CONC.	58	22	15	15	25.50	153				153.00		SPECIAL
584+17.00	RT	COMM	CONC.	59	28	15	15	32.50	195				195.00		SPECIAL
584+73.00	LT	COMM	CONC.	58	20	25	25	26.50	159			159.00			-
585+65.00	RT	COMM	CONC.	58	28	15	15	32.00	192			192.00			SPECIAL
591+25.00	RT	COMM	CONC.	69	34	50	50	0.00		380		380.00			SPECIAL
597+33.00	RT	COMM	CONC.	59	35	25	25	43.33	260			260.00			-
603+95.00	RT	COMM	CONC.	59	30	25	25	37.83	227			227.00			-
607+65.00	RT	1 PVT.	CONC.	69	19	5	5	24.50	147				147.00		CIRCLE DRIVE REM.
610+04.00	RT	1 PVT.	CONC.	65	16	15	15	21.17	127				127.00		-
611+14.00	RT	1 PVT.	CONC.	62	20	15	15	24.83	149			149.00			-
612+74.00	LT	1 PVT.	CONC.	73	12	25	25	21.33			47.20			128.00	FIELD ENTRANCE
620+00.00	LT	1 PVT.	CONC.	46	16	15	15	15.50			34.34			93.00	FIELD ENTRANCE
620+00.00	RT	1 PVT.	CONC.	46	16	15	15	15.50			34.34			93.00	FIELD ENTRANCE
622+00.00	LT	1 PVT.	CONC.	46	16	15	15	15.50			34.34			93.00	FIELD ENTRANCE
632+73.00	LT	1 PVT.	CONC.	46	12	15	15	12.17			26.75			73.00	FIELD ENTRANCE
637+65.00	LT	1 PVT.	CONC.	40	12	15	15	10.83			23.78			65.00	FIELD ENTRANCE
637+91.00	RT	1 PVT.	CONC.	46	12	15	15	12.17			26.75			73.00	FIELD ENTRANCE
641+37.00	LT	COMM.	CONC.	48	26	25	25	28.17	169		-		169		
642+58.00	LT	COMM.	CONC.	48	35	15	15	33.00	198				198		-
643+19.00	LT	COMM.	CONC.	48	35	15	15	33.00	198				198		SPECIAL
656+92.00	RT	COMM.	CONC.	80	20	15	15	31.50	189				189		-
658+56.00	RT	TYPE 2, COMM.	CONC.	31	20	25	15	15.00	90				90.00		-
660+46.00	LT	TYPE 2, COMM.	CONC.	25	31	25	25	19.33	116			116.00			-
662+50.00	LT	TYPE 2, COMM.	CONC.	30	35	25	25	24.50	147			147.00			SPECIAL
663+19.00	RT	TYPE 2A, COMM.	CONC.	38	36	15	5	26.33	158			158.00			COMM.
663+95.00	RT	TYPE 2A, COMM.	CONC.	39	36	5	15	27.00	162			162.00			COMM.
664+14.00	LT	TYPE 2, COMM.	CONC.	39	36	15	15	27.83	167			167.00			SPECIAL
664+56.00	RT	TYPE 2, COMM.	CONC.	39	38	15	5	28.50	171				171.00		SPECIAL
666+71.00	LT	TYPE 2, COMM.	CONC.	29	30	15	15	18.00	108			108.00			-
666+78.00	RT	TYPE 2, COMM.	CONC.	34	24	15	15	17.00	102				102.00		-
668+81.00	RT	TYPE 2, COMM.	CONC.	34	30	15	15	20.83	125				125.00		-
669+10.00	LT	TYPE 2A, COMM.	CONC.	29	24	15	15	14.83	89			89.00			SPECIAL
669+80.00	RT	TYPE 2, COMM.	CONC.	34	24	15	15	17.00	102			102.00			SPECIAL
670+11.00	LT	TYPE 2A, COMM.	CONC.	29	31	15	15	18.50	111			111.00			SPECIAL
670+52.00	RT	TYPE 2A, COMM.	CONC.	34	36	15	5	23.67	142			142.00			
671+58.00	LT	STREET RETURN	CONC.	26	34	15	15	18.17	109			109.00			SPECIAL
671+90.00	RT	STREET RETURN	CONC.	36	36	25	35	31.50	189			189.00			-
672+03.00	RT	TYPE 2A, COMM.	CONC.	42	36	50	25	40.50	243			243.00			-
672+66.00	RT	TYPE 2, COMM.	CONC.	49	28	5	15	26.50	159			159.00			COMM.

SUMMARY OF DRIVEWAYS-MAINLINE (CONT.)

C.R.L. STATION	LOCATION	DRIVE TYPE	SURFACE TYPE	LENGTH	WIDTH	BACK RADIUS	AHEAD RADIUS	303(A)1200 AGG. BASE TYPE "A"	610(B)5300 6" CONC. DRIVE (H.E.S.)	610(B)5320 8" CONC. DRIVE	402(E)2600 6" TRAFFIC BOUND SURFACE COURSE TYPE "E"	619(B)6380 REMOVAL OF CONCRETE DRIVEWAY	619(B)6384 REMOVAL OF ASPHALT DRIVEWAY	619(B)6386 REMOVAL OF GRAVEL DRIVEWAY	REMARKS
				FT	FT	FT	FT	CY	SY	SY	TON	SY	SY	SY	
673+10.00	LT	TYPE 2A, COMM.	CONC.	25	30	15	15	15.83	95			95.00			SPECIAL
673+83.00	LT	TYPE 2A, COMM.	CONC.	25	30	15	15	15.83	95			95.00			-
674+28.00	RT	TYPE 2A, COMM.	CONC.	25	28	15	15	14.83	89			89.00			-
674+60.00	LT	TYPE 2A, COMM.	CONC.	25	30	15	15	15.83	95			95.00			-
675+24.00	RT	TYPE 2, COMM.	CONC.	28	50	15	15	27.83	167			167.00			DBL. DRIVE
677+09.00	LT	TYPE 2, COMM.	CONC.	38	32	15	15	24.33	146			146.00			-
677+50.00	RT	TYPE 2A, COMM.	CONC.	29	36	15	15	21.17	127			127.00			-
678+00.00	LT	TYPE 2A, COMM.	CONC.	15	28	15	5	8.83	53			53.00			-
678+18.00	RT	TYPE 2A, COMM.	CONC.	30	35	15	5	20.50	123			123.00			-
678+82.00	RT	TYPE 2A, COMM.	CONC.	30	36	5	15	21.00	126			126.00			-
678+81.00	LT	TYPE 2, COMM.	CONC.	25	25	5	15	12.67	76			76.00			-
679+25.00	LT	TYPE 2, COMM.	CONC.	27	18	15	5	10.00	60			60.00			-
679+71.00	RT	TYPE 2A, COMM.	CONC.	78	29	15	15	43.83	263			263.00			DBL. DRIVE
680+18.00	LT	COMM.	CONC.	27	30	15	5	16.00	96			96.00			-
681+48.00	RT	COMM.	CONC.	29	20	15	15	12.67	76			76.00			SPECIAL
681+55.00	LT	COMM.	CONC.	27	30	15	15	16.83	101			101.00			SPECIAL
682+13.00	RT	COMM.	CONC.	29	18	15	15	11.50	69			69.00			-
682+93.00	LT	TYPE 2A, COMM.	CONC.	27	31	15	5	16.50	99			99.00			COMM.
683+13.00	RT	COMM.	CONC.	14	30	15	15	9.67	58			58.00			-
683+11.00	RT	COMM.	CONC.	29	30	15	15	18.00	108			108.00			-
683+50.00	LT	TYPE 2A, COMM.	CONC.	27	66	5	3	33.17	199			199.00			DBL. DRIVE
684+07.00	RT	STREET RETURN	CONC.	14	28	25	25	12.33	74			74.00			-
684+07.00	LT	STREET RETURN	CONC.	25	28	25	25	18.00	108			108.00			-
684+73.00	RT	TYPE 2A, COMM.	CONC.	29	35	15	15	20.67	124			124.00			COMM.
685+27.00	LT	COMM.	CONC.	14	28	15	15	9.17	55			55.00			-
685+47.00	RT	TYPE 2A, COMM.	CONC.	29	35	5	15	19.83	119			119.00			COMM.
685+95.00	LT	COMM.	CONC.	29	29	15	5	16.67	100			100.00			SPECIAL
686+10.00	RT	COMM.	CONC.	27	29	15	15	16.33	98			98.00			-
687+04.00	RT	COMM.	CONC.	27	21	15	15	12.33	74			74.00			-
687+68.00	LT	TYPE 2A, COMM.	CONC.	14	20	15	5	6.33	38			38.00			-
688+73.00	LT	TYPE 2A, COMM.	CONC.	14	32	5	15	9.33	56			56.00			COMM.
688+77.00	RT	COMM.	CONC.	27	26	15	15	14.83	89			89.00			-
689+29.00	LT	COMM.	CONC.	14	29	15	15	9.33	56			56.00			-
690+14.00	LT	COMM.	CONC.	14	30	15	15	9.67	58			58.00			-
690+23.00	RT	COMM.	CONC.	34	28	15	15	19.50	117			117.00			SPECIAL
690+78.00	RT	TYPE 2A, COMM.	CONC.	31	24	15	5	14.83	89			89.00			COMM.
691+00.00	LT	TYPE 2A, COMM.	CONC.	16	24	15	5	8.17	49				49.00		COMM.
691+85.00	LT	TYPE 2A, COMM.	CONC.	16	29	5	15	9.67	58				58.00		COMM.
691+90.00	RT	TYPE 2A, COMM.	CONC.	41	31	5	15	24.67	148			148.00			SPECIAL
692+40.00	RT	TYPE 2A, COMM.	CONC.	25	35	15	5	17.33	104			104.00			COMM.
693+18.00	LT	COMM.	CONC.	14	31	15	15	9.83	59			59.00			-
693+30.00	RT	TYPE 2A, COMM.	CONC.	25	35	5	15	17.33	104			104.00			-
694+18.00	LT	COMM.	CONC.	14	36	15	15	11.17	67			67.00			-
694+35.00	RT	COMM.	CONC.	25	38	25	25	22.67	136			136.00			-
695+08.00	LT	TYPE 2A, COMM.	CONC.	15	26	15	5	8.33	50			50.00			COMM.
695+58.00	LT	COMM.	CONC.	14	22	15	5	6.83	41			41.00			SPECIAL
696+15.00	RT	COMM.	CONC.	33	51	5	5	31.50	189			189.00			-
697+20.00	LT	COMM.	CONC.	18	31	15	5	11.33	68			68.00			-
697+78.00	LT	COMM.	CONC.	18	46	5	5	15.67	94			94.00			-
						TOTAL		2004.17	10968.00	380.00	389.74	9377.00	1971.00	1057.00	

SUMMARY OF DRIVEWAYS-BORDER AVE.

C.R.L. STATION	LOCATION	DRIVE TYPE	SURFACE TYPE	LENGTH	WIDTH	BACK RADIUS	AHEAD RADIUS	303(A)1200 AGG. BASE TYPE "A"	610(B)5300 6" CONC. DRIVE (H.E.S.)	610(B)5320 8" CONC. DRIVE	402(E)2600 6" TRAFFIC BOUND SURFACE COURSE TYPE "E"	619(B)6380 REMOVAL OF CONCRETE DRIVEWAY	619(B)6384 REMOVAL OF ASPHALT DRIVEWAY	619(B)6386 REMOVAL OF GRAVEL DRIVEWAY	REMARKS
				FT	FT	FT	FT	CY	SY	SY	TON	SY			
16+75.00	LT	1 PVT.	CONC.	20	20	15	15	9.33	56				56.00		-
17+10.00	RT	1 PVT.	CONC.	5	20	15	15	3.67	22					22.00	-
18+75.00	RT	1 PVT.	CONC.	5	30	15	15	4.67	28				28.00		SPECIAL
18+75.00	LT	1 PVT.	CONC.	18	30	15	15	11.83	71				71.00		-
21+10.00	RT	ST. RET.	CONC.	5	24	15	15	5.56	25				25.00		ST. RET.
21+20.00	LT	1 PVT.	CONC.	20	16	15	15	7.83	47			47.00			-
21+95.00	LT	1 PVT.	CONC.	20	16	10	15	7.33	44			44.00			-
22+40.00	RT	ST. RET.	CONC.	6	30	25	25	11.12		50			50.00		ST. RET.
23+19.00	RT	1 PVT.	CONC.	15	328	25	25	128.29		577		577.00			SPECIAL
23+50.00	RT	ST. RET.	CONC.	6	30	25	25	11.12		50			50.00		ST. RET.
23+60.00	LT	1 PVT.	CONC.	6	18	15	15	3.83	23			23.00			SPECIAL
						TOTAL		205.00	316.00	677.00	0.00	691.00	280.00	22.00	

SUMMARY OF DRIVEWAYS-HANCOCK ST.

C.R.L. STATION	LOCATION	DRIVE TYPE	SURFACE TYPE	LENGTH	WIDTH	BACK RADIUS	AHEAD RADIUS	303(A)1200 AGG. BASE TYPE "A"	610(B)5300 6" CONC. DRIVE (H.E.S.)	610(B)5320 8" CONC. DRIVE	402(E)2600 6" TRAFFIC BOUND SURFACE COURSE TYPE "E"	619(B)6380 REMOVAL OF CONCRETE DRIVEWAY	619(B)6384 REMOVAL OF ASPHALT DRIVEWAY	619(B)6386 REMOVAL OF GRAVEL DRIVEWAY	REMARKS
				FT	FT	FT	FT	CY	SY	SY	TON	SY	SY	SY	
21+97	LT	ST. RET.	CONC.	32	26	25	25	27.35		123		123			ST. RET.
23+19	RT	ST. RET.	CONC.	15	328	25	25	96.17	577			577			SPECIAL
23+89	LT	TYPE 2A, COMM.	CONC.	27	30	15	15	16.83	101			101			-
						TOTAL		141.00	678.00	123.00	0.00	801.00	0.00	0.00	

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
October 2023

U.S. HIGHWAY 69

SUMMARY SHEET (2 OF 6)

MUSKOGEE COUNTY PROJECT NO. 27108(04) SHEET NO. AX02

SUMMARY OF SIDE AND MEDIAN DRAINAGE STRUCTURES

STR. NO.	CRL STATION	DESCRIPTION	STRUCT. TYPE	DESIGN STANDARD	FILL HT.	202(A)2200 UNCLASSIFIED EXCAVATION	611(G)0354 PRECAST INLET (SMD TYPE 2)	611(G)0358 PRECAST INLET (SMD TYPE 2A)	613(A)5204 15" R.C.PIPE CLASS III	613(A)5208 18" R.C.PIPE CLASS III	613(A)5216 24" R.C.PIPE CLASS III	613(A)5224 36" R.C.PIPE CLASS III	613(B)5600 17" X 15" CORR. GALV. STEEL PIPE ARCH	613(B)5604 21" X 15" CORR. GALV. STEEL PIPE ARCH	613(B)5612 28" X 20" CORR. GALV. STEEL PIPE ARCH	613(B)5616 35" X 24" CORR. GALV. STEEL PIPE ARCH	613(B)5620 42" X 29" CORR. GALV. STEEL PIPE ARCH	613(B)5624 49" X 33" CORR. GALV. STEEL PIPE ARCH	613(L)6608 21" X 15" PREFAB. CULVERT END SEC., ARCH	613(L)6624 28" X 20" PREFAB. CULVERT END SEC., ARCH	613(L)6632 35" X 24" PREFAB. CULVERT END SEC., ARCH	613(L)6644 42" X 29" PREFAB. CULVERT END SEC., ARCH	613(L)6652 49" X 33" PREFAB. CULVERT END SEC., ARCH	613(L)6708 18" PREFAB. CULVERT END SEC., ROUND	613(L)6716 24" PREFAB. CULVERT END SEC., ROUND	613(L)6728 36" PREFAB. CULVERT END SEC., ROUND	613(M)6960 15" TYPE A4 CULVERT END TREATMENT (ROUND)	613(M)6960 18" TYPE A4 CULVERT END TREATMENT (ROUND)	613(M)6960 17"x15" TYPE A4 CULVERT END TREATMENT (ARCH)	CLASS B STD. BEDDING MATL.	613(V)8000 TRENCH EXCAVATION UNCLASSIFIED
					LF	CY	EA	EA	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	CY	CY
S1	566+68 RT	CONST. 28"x20"x52' LG CGSPA W/PCES	AS	SPI-5-2, FHTMP-2-1,PCES-5-1 & PBB-1-2	4.8	37.21									52					2										38.00	38.00
S2	566+88 LT	CONST INLET SMD TYPE 2 W/ 49"x33"x66.06' LG CGSPA W/PCES	AREA INLET	PSMD2-2, FHTMP-2-1,& PBB-1-2	6.5	79.52	1											66.06					2							80.00	80.00
S3	567+33 RT	CONST. 28"x20"x52' LG CGSPA W/PCES	AS	SPI-5-2, FHTMP-2-1,PCES-5-1 & PBB-1-2	4.8	37.21									52					2										38.00	38.00
S4	569+00 RT	CONST. 28"x20"x52' LG CGSPA W/PCES	AS	SPI-5-2, FHTMP-2-1,PCES-5-1 & PBB-1-2	4.8	37.21									52					2										38.00	38.00
M1	570+00 LT	CONST. SMD TYPE 2 w/18"x74' LG RCP w/CET LT	MEDIAN INLET	PSMD2-2, FHTMP-2-1,CET4S-4-2 & PBB-1-2	3.1	26.93	1			74																		1		27.00	27.00
S5	572+27 RT	CONST. 18"x76' LG RCP W/PCES	AS	SPI-5-2, FHTMP-2-1,PCES-5-1 & PBB-1-2	2.5	22.52				76														2						23.00	23.00
S6	573+82 LT	CONST. 42"x29"x56' LG CGSPA w/PCES	AS	SPI-5-2, FHTMP-2-1,PCES-5-1 & PBB-1-2	5.5	62.74											56					2								63.00	63.00
M2	575+00 LT	CONST. SMD TYPE 2 W/15"x74' LG RCP w/CET LT	MEDIAN INLET	PSMD2-2, FHTMP-2-1,CET4S-4-2 & PBB-1-2	2.8	22.69	1		74																		1			23.00	23.00
S7	575+58 RT	CONST. 18"x42' LG RCP w/ PCES	RS	SPI-5-2, FHTCP-4-1,PCES-5-1 & PBB-1-2	2.5	12.44				42														2			2			13.00	13.00
S8	576+77 LT	CONST. 35"x24"x58' LG CGSPA w/ PCES	AS	SPI-5-2, FHTMP-2-1,PCES-5-1 & PBB-1-2	4	27.50										58					2									28.00	28.00
S9	578+67 LT	CONST. 28"x20"x58' LG CGSPA w/ PCES	AS	SPI-5-2,FHTMP-2-1,PCES-5-1 & PBB-1-2	3.3	34.34									58					2										35.00	35.00
S10	582+00 LT	CONST. 18"x46' LG RCP w/ PCES	RS	SPI-5-2, FHTCP-4-1,PCES-5-1 & PBB-1-2	2.5	13.63				46														2						14.00	14.00
S11	582+75 LT	CONST. 18"x52' LG RCP w/ PCES	RS	SPI-5-2, FHTCP-4-1,PCES-5-1 & PBB-1-2	2.5	15.41				52														2						16.00	16.00
S12	584+15 RT	CONST. 18"x58' LG RCP w/ PCES	RS	SPI-5-2, FHTCP-4-1,PCES-5-1 & PBB-1-2	2.5	17.19				58														2						18.00	18.00
S13	584+75 LT	CONST. 18"x56' LG RCP w/ PCES	RS	SPI-5-2, FHTCP-4-1,PCES-5-1 & PBB-1-2	2.5	16.59				56														2						17.00	17.00
S14	585+65 RT	CONST. 18"x58' LG RCP w/ PCES	RS	SPI-5-2, FHTCP-4-1,PCES-5-1 & PBB-1-2	2.5	17.19				58														2						18.00	18.00
M3	586+00 LT	CONST. SMD TYPE 2 w/15"x74' LG RCP w/CET LT	MEDIAN INLET	PSMD2-2, FHTMP-2-1,CET4S-4-2 & PBB-1-2	3.8	31.57	1		74																		1			32.00	32.00
S15	591+20 RT	CONST. 18"x72' LG RCP w/ PCES	RS	SPI-5-2, FHTCP-4-1,PCES-5-1 & PBB-1-2	2.5	21.33				72														2						22.00	22.00
M4	592+00 LT	CONST. SMD TYPE 2 w/15"x68' LG RCP w/CET LT	MEDIAN INLET	PSMD2-2, FHTMP-2-1,CET4S-4-2 & PBB-1-2	3.6	27.12	1		68																		1			28.00	28.00
S16	597+32 RT	CONST. 18"x68' LG RCP w/ PCES	RS	SPI-5-2, FHTCP-4-1,PCES-5-1 & PBB-1-2	2.5	20.15				68														2						21.00	21.00
M5	597+62	CONST. SMD TYPE 2 OVER EXIST 8'x3' RCB	MEDIAN INLET	PSMD2-2, FHTMP-2-1,CET4S-4-2 & PBB-1-2	2	23.07	1																							24.00	24.00
S17	604+00 RT	CONST. 21"x15"x62' LG CGSPA w/PCES	AS	SPI-5- FHTMP-2-1,PCES-5-1 & PBB-1-2	3.5	25.72								62					2											26.00	26.00
M6	605+00 LT	CONST. SMD TYPE 2 w/15"x72' LG RCP w/CET LT	MEDIAN INLET	PSMD2-2, FHTMP-2-1,CET4S-4-2 & PBB-1-2	2.6	20.48	1		72																		1			21.00	21.00
S18	610+00 RT	CONST. 21"x15"x46' LG CGSPA w/PCES	AS	SPI-5-2, FHTMP-2-1,PCES-5-1 & PBB-1-2	3.5	18.87								46					2											19.00	19.00
S19	611+13 RT	CONST. 21"x15"x52' LG CGSPA w/PCES	AS	SPI-5-2, FHTMP-2-1,PCES-5-1 & PBB-1-2	3.5	21.78								52					2											22.00	22.00
S20	612+72 LT	CONST. 18"x48' LG RCP w/PCES	RS	SPI-5-2, FHTCP-4-1,PCES-5-1 & PBB-1-2	2.5	14.22				48														2						15.00	15.00
M7	614+50 LT	CONST. SMD TYPE 2 w/18"x76' LG RCP w/CET LT	MEDIAN INLET	PSMD2-2, FHTMP-2-1,CET4S-4-2 & PBB-1-2	3.2	27.56	1			76																		1		28.00	28.00
S21	615+24 RT	CONST. 18"x56' LG RCP w/PCES	RS	SPI-5-2, FHTCP-4-1,PCES-5-1 & PBB-1-2	2.5	16.59				56														2						17.00	17.00
S22	620+00 LT	CONST. 18"x50' LG RCP w/PCES	RS	SPI-5-2, FHTCP-4-1,PCES-5-1 & PBB-1-2	2.5	14.81				50														2						15.00	15.00
S23	622+00 LT	CONST. 24"x50' LG RCP w/PCES	RS	SPI-5-2, FHTCP-4-1,PCES-5-1 & PBB-1-2	3	22.22					50														2					23.00	23.00
M8	623+00 LT	CONST. SMD TYPE 2 w/18"x80' LG RCP w/CET LT	MEDIAN INLET	PSMD2-2, FHTMP-2-1,CET4S-4-2 & PBB-1-2	4	37.55	1			80																		1		38.00	38.00
M9	632+90 LT	CONST. SMD TYPE 2 w/18"x76' LG RCP w/CET LT	MEDIAN INLET	PSMD2-2, FHTMP-2-1,CET4S-4-2 & PBB-1-2	5	44.68	1			76																		1		45.00	45.00
S24	642+00 LT	CONST. SMD TYPE 2 w/18"x65' LG RCP SOUTH	RS	SPI-5-2, FHTMP-2-1 & PBB-1-2	3.2	24.73	1			65																				25.00	25.00
S25	643+50 LT	CONST. SMD TYPE 2A w/18"x50' LG RCP INTO S24	RS	SPI-5-2, FHTMP-2-1 & PBB-1-2	3.9	30.04	1			50																				31.00	31.00
BORDER AVENUE DRAINAGE																															
S26	16+75 LT	CONST. 17"x15"x30' LG CGSPA w/CET	AS	SPI-5-2, FHTMP-2-1,CET4S-4-2 & PBB-1-2	3.1	18.37							30																2	19.00	19.00
S26A	16+75 RT	CONST. SMD TYPE 2A . W/ 17"X15"X30' LG CGSP 18' RT. w/CET	AS	SPI-5-2, FHTMP-2-1,CET4S-4-2 & PBB-1-2	3.1	11.02		1					30																2	12.00	12.00
S27	18+75 LT	CONST. SMD TYPE 2A W/ 17"x15"x 32' LG CGSPA 30' RT w/CET	AS	SPI-5-2, FHTMP-2-1,CET4S-4-2 & PBB-1-2	3.1	11.76		1					50																2	12.00	12.00
S26B	19+28 RT	CONST. SMD TYPE 2A 17"x15" LG CGSPA 32' LT w/CET	AS	SPI-5-2, FHTMP-2-1,CET4S-4-2 & PBB-1-2	3.1	11.76		1					32																2	12.00	12.00
HANCOCK ROAD DRAINAGE																															
S26B	19+28 RT	CONST. 36" X 328' LG CGSPA 32' RT w/CET	AS	SPI-5-2, FHTMP-2-1,CET4S-4-2 & PBB-1-2	3.5	170.07						328														2				171.00	171.00
				TOTAL		1145.79	12.00	3.00	288.00	1103.00	50.00	328.00	142.00	160.00	214.00	58.00	56.00	66.06	6.00	8.00	2.00	2.00	2.00	24.00	2.00	2.00	6.00	4.00	8.00	1167.00	1167.00

*INFORMATION PURPOSES ONLY

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
October 2023

U.S. HIGHWAY 69

SUMMARY SHEET (3 OF 6)

MUSKOGEE COUNTY PROJECT NO. 27108(04) SHEET NO. AX03

HUB Engineers
Time of Plot: 11/29/2023 3:42 PM Plot Style: MONOCHROME.STB
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SUMMARY OF REINFORCED CROSS DRAINAGE CONCRETE STRUCTURES

STR. NO.	CRL STATION	DESCRIPTION	STRUCT. TYPE	DESIGN STANDARD	RCB SPAN	RCB HEIGHT	202(A)2200 UNCLASSIFIED EXCAVATION	501(A)1200 STRUCTURAL EXCAVATION UNCLASSIFIED	509(A) 0200 CLASS AA CONC.	511(B)2300 EPOXY COATED REINFING STEEL	619(B)6300 REMOVAL OF 3'X2' HEADWALL*	619(B)6300 REMOVAL OF 4'X2' HEADWALL*	619(B)6300 REMOVAL OF 6'X3' HEADWALL*	619(B)6300 REMOVAL OF 8'X3' HEADWALL*	611(G)0384 PRECAST INLET (SMD TYPE 2A)	613(A)5220 30" R.C.PIPE CLASS III (ROUND)	613(A)6724 30" PREFAB. CULVERT END SECTION, ROUND
					LF	LF	CY	CY	CY	LBS	EA	EA	EA	EA	EA	LF	EA
CD1	592+97	EXT. EX.2- 4'x2'x138.6' LG RCB, SK 0 °RF, 22.5' LT SK 30 °32' RT	RCB	SBI-5-2, RCB-C1-3&4&5(2-20)-01E, RCB-CW1-D4--30-01E & RCB-E1-H2-30-(1-3)-01E	4	3	85.00	3.00	46.20	4184.00	-	2	-	-	-	-	-
CD2	597+32	EXT. EX. 8'x3'x126.9' LG RCB. SK 0 °RF. 14' LT & 16' RT SK 0 °	RCB	SBI-5-2, RCB-C1-8(2-14)-01E,RCB-CW1-D4-0-01E & RCB-E1-H2-0-1-01E	8	4	80.00	3.00	63.00	6204.00	-	-	-	2	-	-	-
CD3	606+34	EXT. EX. 3'x2'x109.5' LG RCB, SK 0 ° 9' LT & 17' RT	RCB	SBI-5-2, RCB-C1-3&4&5(2-20)-01E, RCB-CW1-D4-0-01E & RCB-E1-H2-0-1-01E	3	3	38.00	1.00	23.20	2280.00	2	-	-	-	-	-	-
CD4	638+25	CONST. SMD TYPE 2A w/ 30"x64' LG RCP LT w/ PCES & 3O"x68' LG RCP RT w/PCES	CD MEDIAN INLET	PSMD-2-2, PCES-5-1, FHTCP-4-1, PBB-1-2, FHTCP-4-1	0	3	-	-	-	-	-	-	-	-	1	132	2
CD5	659+66	EXT. EX. 2--- 6'x3'x108.5' LG RCB, SK O ° 10' LT & 8' RT w/WINGWALLS	RCB	SBI-5-2, RCB-C2-6(12-20)-01E,RCB-CW2-D4-0-01E & RCB-E1-H2-0-1-01E	6	4	42.00	2.00	42.80	5662.00	-	2	2	-	-	-	-
10A	664+69 RT	CONST. 5'x5'x42' LG RCB. CONNECT TO STR. 10 & EXIST. 6'X6"X247' LG RCB SK 30 °RT	RCB	SBI-5-2, RCB-C1-3&4&5(2-20)-01E, RCB-CW1-D4--30-01E & RCB-E1-H2-0-1-01E	5	5	112.00	3.00	45.50	4079.00	-	-	-		-	-	-
* FOR INFORMATION PURPOSES ONLY. COST INCLUDED IN OTHER ITEMS OF W			TOTAL				357	12	221	22409	2	4	2	2	1	132	2

SUMMARY OF STORM SEWERS AND DRAINAGE STRUCTURES

STR. NO.	STATION LOCATION		DESCRIPTION	PROPOSED PIPES ROUND 18"	24"	36"	42"	48"	ELLIP. 14"X23"	613(V) 8000 TRECNH EXCAV. UNCL.
				LF	LF	LF	LF	LF	LF	CY
1	651+00	LT	CICI W/ 90 LF OF 18" RCP INTO STR. 2	90						107.67
2	651+00	RT	CICI W/ PJB INTO EXIST. 30" RCP							
3	652+80	LT	CICI W/ 90 LF OF 14"x23" RCPE INTO STR 4						90	32.30
4	652+80	RT	CICI W/ PJB W/ 54 LF OF 36" RCP INTO STR 5			54				28.00
5	652+50	RT	6'x6' JCT BOX W/ 412 LF OF 36" RCP W/ PCES RT			412				792.26
6	661+00	LT	CICI W/ 90 LF OF 18" RCP INTO STR J2	90						32.25
7	661+00	RT	CICI W/ PJB W/ 130 LF OF 24" RCP NTO STR CD5		130					59.66
8	663+54	RT	CICI W/ PJB W/ 252 LF OF 24" RCP INTO STR 7		252					88.76
9	664+93	RT	CICI W/ 4 LF OF 18" RCP INTO STR 10	4						0.99
10	664+93	RT	CICI W/ PJB CONNECT TO STR 10A							
11	664+93	LT	CICI W/ 90 LF OF 18" RCP INTO STR. 10	90						30.58
12	667+10	RT	CICI W/ PJB W/ 212 LF OF 48" RCP INTO STR 10					212		259.50
13	668+05	RT	CICI W/ 4 LF OF 18" RCP INTO STR 14	4						0.99
14	668+05	RT	CICI W/ PJB W/ 90 LF OF 48" RCP INTO STR. 12					90		104.33
15	668+05	LT	CICI W/90 LF OF 18" RCP INTO STR J3	90						26.42
16	669+48	LT	CICI W/90 LF OF 18" RCP INTO STR J3-A	90						26.42
17	669+48	RT	CICI W PJB W/ 138 LF OF 48" RCP INTO STR 14					138		146.18
18	669+72	RT	SPC. INLET W/ 18 LF OF 48" RCP INTO STR 17					18		18.67
19	670+11	RT	CICI W/ PJB W/ 34 LF OF 48" RCP INTO STR 18					34		34.50
20	671+25	RT	CICI W/ PJB W/ 108 LF OF 48" INTO STR 19					108		103.60
21	671+85	RT	SPC. INLET W/ 32 LF 18" RCP INTO STR 23	32						9.01
22	672+30	RT	CICI W/ PJB W/ 14 LF OF 18" RCP INTO STR J23	14						6.52
23	672+22	RT	CICI W/ 18 LF OF 48" RCP INTO STR J23					18		16.93
24	672+30	LT	CICI W/ 92 LF OF 18" RCP INTO STR J4	92						28.71
25	673+88	RT	CICI W/ PJB W/ ACC MH W/ 150 LF OF 48" RCP INTO STR 22					150		143.61
26	675+04	RT	SPC. INLET W/ 110 LF OF 48" RCP INTO STR 25					110		112.04
27	677+09	RT	CICI W/ PJB W/ 195 LF OF 48" RCP INTO STR 26					195		211.97
28	677+65	RT	SPC. INLET W/ 50 LF OF 48" RCP INTO STR 27					50		52.97
29	679+12	RT	CICI w/ PJB W/ 141 LF OF 48" RCP INTO STR 28					141		135.26
30	680+78	RT	SPC. INLET W/ 18 LF OF 24" RCP INTO STR J30		18					8.20
32	681+17.5	RT	CICI W/ PJB W/ 26 LF OF 48" RCP INTO STR J30					26		24.89
33	681+27	LT	CICI W/ 92 LF OF 18" RCP INTO STR J5	92						29.39
34	683+46	RT	CICI W/ PJB W/ 100 LF OF 42" RCP INTO STR J38 & STR 32				220			
36	684+08	RT	SPC. INLET W/ 20 LF OF 36" RCP INTO STR J35			20				
37	684+20	RT	CICI W/ 44 LF OF 36" RCP INTO STR J6			44				
38	684+55	LT	CICI W/ PJB W/ 104 LF OF 42" RCP INTO STR J35				104			
39	686+67	RT	CICI W/ PBJ W/ 251 LF OF 42" RCP INTO 38				251			
40	688+38	RT	CICI W/ PJB W/161 LF OF 42" RCP INTO STR 39				161			
41	689+84	RT	SPC. CICI W/141 LF OF 42" RCP INTO STR 40				141			
42	691+95	RT	CICI W/ PJB W/ 205 LF OF 42" RCP INTO STR 41				205			
43	692+76	RT	CICI W/ PJB W/74 LF OF 36" RCP INTO STR 42			74				
44	693+80	RT	CICI W/ PJB W/ 96 LF OF 36" RCP INTO STR 43			96				
45	694+84	RT	CICI W/ACC MH W/101 LF OF 36" RCP INTO STR 44			101				
			TOTALS	688	400	801	1082	1290	90	2672.57

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
October 2023

U.S. HIGHWAY 69

SUMMARY SHEET (4 OF 6)

MUSKOGEE COUNTY PROJECT NO. 27108(04) SHEET NO. AX04

SUMMARY OF STORM SEWERS AND DRAINAGE STRUCTURES

STR. NO.	STATION LOCATION		DESCRIPTION	PROPOSED STRUCTURE	FILL HEIGHT	ADDITONAL DEPTH	PROPOSED INLET STRUCTURES																												
							PROPOSED INLETS														ADD'L DEPTH														
							DES. 2(STD)	W/ PJB DES. 2(STD)	DES. 2(B)	W/ PJB DES. 2(B)	DES. 2(2B)	DES. 2 (2C)	W/ PJB DES. 2 (2C)	W/ PJB DES. 2(D)	DES. 2 (2D)	W/ PJB DES. 2 (2D)	W/ PJB DES. 4(D)	CONC. W/2 GRATES	CONC. W/10 GRATES	SMD TYPE 2A	DES. 2(STD)	W/ PJB DES. 2(STD)	DES. 2(B)	W/ PJB DES. 2(B)	DES. 2(2B)	DES. 2 (2C)	W/ PJB DES. 2 (2C)	W/ PJB DES. 2(D)	DES. 2 (2D)	W/ PJB DES. 2 (2D)	W/ PJB DES. 4(D)	CONC. W/2 GRATES	CONC. W/10 GRATES	SMD TYPE 2A
				TYPE	FT.	VF	EA	EA	EA	EA	EA	EA	EA	EA	EA		EA	EA	EA	EA	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
1	651+00	LT	CICI W/ 90 LF OF 18" RCP INTO STR. 2	DES. 2 (STD)	6.46	3.79	1														4														
2	651+00	RT	CICI W/ PJB INTO EXIST. 30" RCP	DES. 2 (STD)	6.82	4.15		1														4.15													
3	652+80	LT	CICI W/ 90 LF OF 14"x23" RCPE INTO STR 4	DES. 2 (2C)	3.23	0.56						1														0.56									
4	652+80	RT	CICI W/ PJB W/ 54 LF OF 36" RCP INTO STR 5	DES. 2 (2C)	3.50	0.83							1														0.83								
5	652+50	RT	6'x6' JCT BOX W/ 412 LF OF 36" RCP W/ PCES RT	SMD TYPE 2A	12.98	10.31														1															10.31
6	661+00	LT	CICI W/ 90 LF OF 18" RCP INTO STR J2	DES. 2 (2D)	3.87	1.20									1														1.20						
7	661+00	RT	CICI W/ PJB W/ 130 LF OF 24" RCP NTO STR CD5	DES. 2 (2D)	4.13	1.46										1														1.46					
8	663+54	RT	CICI W/ PJB W/ 252 LF OF 24" RCP INTO STR 7	DES. 2 (STD)	3.17	0.50		1														0.50													
9	664+93	RT	CICI W/ 4 LF OF 18" RCP INTO STR 10	DES. 2 (B)	2.67	0.00			1																										
10	664+93	RT	CICI W/ PJB CONNECT TO STR 10A	DES. 2 (B)	7.43	4.76				1														4.76											
11	664+93	LT	CICI W/ 90 LF OF 18" RCP INTO STR. 10	DES. 2 (B)	3.67	1.00			1														1.00												
12	667+10	RT	CICI W/ PJB W/ 212 LF OF 48" RCP INTO STR 10	DES. 2 (STD)	6.61	3.94		1														3.94													
13	668+05	RT	CICI W/ 4 LF OF 18" RCP INTO STR 14	DES. 2 (B)	2.67	0.00			1																										
14	668+05	RT	CICI W/ PJB W/ 90 LF OF 48" RCP INTO STR. 12	DES. 2 (B)	6.26	3.59				1														3.59											
15	668+05	LT	CICI W/90 LF OF 18" RCP INTO STR J3	DES. 2 (B)	3.17	0.50			1														0.50												
16	669+48	LT	CICI W/90 LF OF 18" RCP INTO STR J3-A	DES. 2 (STD)	3.17	0.50	1														0.50														
17	669+48	RT	CICI W PJB W/ 138 LF OF 48" RCP INTO STR 14	DES. 2 (STD)	5.72	3.05		1														3.05													
18	669+72	RT	SPC. INLET W/ 18 LF OF 48" RCP INTO STR 17	SPECIAL CONC. W/ GRATES	5.60	2.93												1																2.93	
19	670+11	RT	CICI W/ PJB W/ 34 LF OF 48" RCP INTO STR 18	DES. 2 (B)	5.48	2.81				1													2.93												
20	671+25	RT	CICI W/ PJB W/ 108 LF OF 48" INTO STR 19	DES. 2 (B)	5.18	2.51				1													2.81												
21	671+85	RT	SPC. INLET W/ 32 LF 18" RCP INTO STR 23	SPECIAL CONC. W/ GRATES	3.04	0.37												1																0.37	
22	672+30	RT	CICI W/ PJB W/ 14 LF OF 18" RCP INTO STR J23	DES. 2 (B)	5.03	2.36				1														2.36											
23	672+22	RT	CICI W/ 18 LF OF 48" RCP INTO STR J23	DES. 2 (2C)	5.08	2.41						1														2.41									
24	672+30	LT	CICI W/ 92 LF OF 18" RCP INTO STR J4	DES. 2 (B)	3.37	0.70			1														0.70												
25	673+88	RT	CICI W/ PJB W/ ACC MH W/ 150 LF OF 48" RCP INTO STR 22	DES. 2 (B)	5.17	2.50				1														2.50											
26	675+04	RT	SPC. INLET W/ 110 LF OF 48" RCP INTO STR 25	SPECIAL CONC. W/ GRATES	5.50	2.83												1																2.83	
27	677+09	RT	CICI W/ PJB W/ 195 LF OF 48" RCP INTO STR 26	DES. 2 (B)	5.87	3.20				1														3.20											
28	677+65	RT	SPC. INLET W/ 50 LF OF 48" RCP INTO STR 27	SPECIAL CONC. W/ GRATES	5.72	3.05												1																3.05	
29	679+12	RT	CICI w/ PJB W/ 141 LF OF 48" RCP INTO STR 28	DES. 2 (D)	5.18	2.51								1														2.51							
30	680+78	RT	SPC. INLET W/ 18 LF OF 24" RCP INTO STR J30	SPECIAL CONC. W/10 GRATES	4.10	1.43													1																1.43
32	681+17.5	RT	CICI W/ PJB W/ 26 LF OF 48" RCP INTO STR J30	DES. 2 (B)	5.17	2.50				1														2.50											
33	681+27	LT	CICI W/ 92 LF OF 18" RCP INTO STR J5	DES. 2 (B)	3.45	0.78			1														0.78												
34	683+46	RT	CICI W/ PJB W/ 100 LF OF 42" RCP INTO STR J38 & STR 32	DES. 2 (B)	4.75	2.08				1														2.08											
36	684+08	RT	SPC. INLET W/ 20 LF OF 36" RCP INTO STR J35	SPECIAL CONC. W/10 GRATES	4.30	1.63													1																1.63
37	684+20	RT	CICI W/ 44 LF OF 36" RCP INTO STR J6	DES. 2 (2B)	3.53	0.86					1														0.86										
38	684+55	LT	CICI W/ PJB W/ 104 LF OF 42" RCP INTO STR J35	DES. 2 (B)	6.06	3.39				1														3.39											
39	686+67	RT	CICI W/ PBJ W/ 251 LF OF 42" RCP INTO 38	DES. 2 (B)	7.64	4.97				1														4.97											
40	688+38	RT	CICI W/ PJB W/161 LF OF 42" RCP INTO STR 39	DES. 2 (B)	8.43	5.76				1														5.76											
41	689+84	RT	SPC. CICI W/141 LF OF 42" RCP INTO STR 40	SPECIAL CONC. W/ GRATES	7.49	4.82												1																4.82	
42	691+95	RT	CICI W/ PJB W/ 205 LF OF 42" RCP INTO STR 41	DES. 2 (B)	6.79	4.12				1														4.12											
43	692+76	RT	CICI W/ PJB W/74 LF OF 36" RCP INTO STR 42	DES. 2 (B)	5.95	3.28				1														3.28											
44	693+80	RT	CICI W/ PJB W/ 96 LF OF 36" RCP INTO STR 43	DES. 2 (STD)	5.32	2.65		1														2.65													
45	694+84	RT	CICI W/ACC MH W/101 LF OF 36" RCP INTO STR 44	DES. 4(D)	4.37	1.70											1														1.70				
*Inlets W/ PJB shall have Acces MH						TOTAL	2	5	6	14	1	2	1	1	1	1	1	5	2	1	4	15	9	43	1	3	1	3	2	2	2	15	4	11

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
October 2023

U.S. HIGHWAY 69

SUMMARY SHEET (5 OF 6)

MUSKOGEE COUNTY PROJECT NO. 27108(04) SHEET NO. AX05

HUB Engineers
Time of Plot: 11/29/2023 3:42 PM Plot Style: MONOCHROME.STB
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SUMMARY OF MANHOLE AND JUNCTION BOX DRAINAGE STRUCTURES

STRUCTURE NUMBER	C.R.L. STATION	DESCRIPTION	DESIGN STANDARD	STRUCTURE TYPE	T.G/RIM ELEV.	FLOW LINE ELEV.	FILL HEIGHT	509(A)0200 CLASS "AA" CONCRETE	511(B)2300 EPOXY COATED REINFORCING STEEL	611(A)7210 MANHOLE (4' DIA.)	611(A)7215 MANHOLE (6' DIA.)	611(A)7230 MANHOLE (8' DIA.)	611(B)7320 ADD'L DEPTH IN MANHOLE (8' DIA.)	611(L)1610 SPECIAL JUNCTION BOXES
							LF	CY	LBS	EA	EA	EA	VF	EA
J1	661+00	CONST. 4' DIA. MH W/ 40 LF OF 18" RCP INTO STR 7	PRM-1-2, MFC-5-1,PMD-1-1	MH	584.85	579.89	4.96			1				
10A	664+69 RT	CONST. 5'x5'X42' LG RCB CONNECT INTO EXIST. 6'X6'X247' LG RCB SK 30 ∘STR	RCB-C1-3&4&5(2-20)-01E	RCB	583.6	578.6	5	2.604	4078.2					
J2	668+05	CONST. 8' DIA. MH W/ 40 LF OF 18" RCP INTO STR 14 CONNECT EXIST. 48" RCP N.	PRM-1-2, MFC-5-1,PMD-1-1	MH	589.05	582.89	6.16					1	0.16	
J3	669+58	CONST. 8' DIA. MH W/ 40 LF OF 18" RCP INTO STR 17 CONNECT EXIST. 48" RCP N-S	PRM-1-2, MFC-5-1,PMD-1-2	MH	589.96	583.32	6.64					1	0.64	
J4	672+10	CONST. 8' DIA. MH W/ 44 LF OF 18" RCP INTO STR J23 CONNECT EXIST. 48" RCP N-S	PRM-1-2, MFC-5-1,PMD-1-1	MH	592.34	587.84	4.5					1	1.5	
J23	672+10	CONST. 6'x5'x12' SKW 30° JCT BOX INTO STR. 20 (S), CONN. STR 22 (N), STR 23 (SE) & STR J4	MFC-5-1	JNCT BX	591.04	586.25	4.79							1
J30	680+78	CONST. 6'x5'x6' JCT BOX W/ACCES MH, W/48" RCP N-S AND 24" RCP E	MFC-5-1	JNCT BX	598.17	593.13	5.04							1
J5	681+27	CONST. 5' DIA. MH w/ 44 FT OF 18" RCP INTO STR 32 CONNECT 36" RCP S-N	PRM-1-2, MFC-5-1,PMD-1-1	MH	599.77	594.86	4.91				1			
J38	682+20	CONST. 6'x5'x6' JCT BOX W/ACCES MH, W/42" RCP N-S	MFC-5-1	JNCT BX	602.43	597.68	4.75							1
J35	683+48	CONST.6'x5'x10' JCT BOX W/ACCES MH, W/42" RCP N-S 18" RCP (NE) & 24" RCP €	MFC-5-1	JNCT BX	604.09	599.51	4.58							1
J6	684+26	CONST. 5' DIA. MH W/ 52 LF OF 18" RCP INTO STR J35 (SW) CONNECT EXIST 36" RCP (N-S)	PRM-1-2, MFC-5-1,PMD-1-1	MH	605.57	600.92	4.65				1			
J45	695+87	CONST. 5'X6' JCT BOX W/ 50 LF OF 24" RCP INTO STR 45 CONNECT EXIST 30" RCP	PRM-1-2, MFC-5-1,PMD-1-1	JNCT BX	609.13	605.01	4.12							
TOTAL								3	4079	1	2	3	3	5

SUMMARY OF SLOPEWALL

C.R. L. STA. TO C.R.L. STA.	SIDE	PLAN AREA (SF)	PLAN AREA (SY)
593+00.00	RT	1363.93	151.55
672+36.00	RT	46.92	5.21
672+78.00 TO 64+12.00	RT	434.02	48.22
690+90.00 TO 691+70.00	RT	327.60	36.40
696+50.00 TO 698+06.5	RT	422.96	47.00
698+24.00	RT	30.19	3.35
698+45.00	RT	66.69	7.41
TOTAL		2693.00	300.00

SUMMARY OF FENCE INSTALLATION

C.R.L. STA. TO C.R.L. STA.	LOCATION LEFT	LOCATION RIGHT	624 3100 (PL) ORNAMENTAL FENCE	624 3110 (PL) WOOD PRIVACY FENCE	624(A) 3200 FENCE-STYLE WWF	624(C) 3400 FENCE-STYLE SWF (4 BARBED WIRE)	624(C) 3405 FENCE-STYLE SWF (5 BARBED WIRE)	624(C) 3410 FENCE-STYLE SWF (6 BARBED WIRE)	624(E) 3600 FENCE-STYLE CLF (4'HIGH, CLASS A)	624(E) 3610 FENCE-STYLE CLF (5'HIGH, CLASS A)	624(E) 3620 FENCE-STYLE CLF (6'HIGH, CLASS A)	REMARKS
	LEFT	RIGHT	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	
567+12.62 TO 573+35.72	X						623					BASED ON PROP. ROW
580+08.42 TO 580+23.12		X			15							BASED ON PROP. ROW
580+57.60 TO 584+1.76		X			345							BASED ON PROP. ROW
583+36.10 TO 584+58.31	X										122	BASED ON PROP. ROW
584+43.00 TO 585+38.46		X			96							BASED ON PROP. ROW
584+88 TO 588+21	X										333	BASED ON PROP. ROW
585+82 TO 586+67.89		X			86							BASED ON PROP. ROW
586+70.53 TO 587+12.48		X					42					BASED ON PROP. ROW
588+39.50 TO 593+01	X				462							BASED ON PROP. ROW
593+59.36 TO 596+42.45	X		283									BASED ON PROP. ROW
607+96 TO 609+98		X								202		BASED ON PROP. ROW
610+10 TO 610+75		X		65								BASED ON PROP. ROW
615+65 TO 619+73		X	411									BASED ON PROP. ROW
619+71 TO 621+56	X						183					BASED ON PROP. ROW
619+79 TO 638+51		X				600	260	298	502			BASED ON PROP. ROW
649+40 TO 652+50		X							433			BASED ON PROP. ROW & INCLUDES SIDE FENCE
655+44 TO 660+02	X									517		BASED ON PROP. ROW & INCLUDES SIDE FENCE
656+07 TO 656+53		X		70								BASED ON PROP. ROW
659+01 TO 659+73		X		163								BASED ON PROP. ROW & INCLUDES SIDE FENCE
659+73 TO 662+04		X								295		BASED ON PROP. ROW
679+11 TO 680+62		X	219									BASED ON PROP. ROW
TOTAL			913	298	1004	600	1108	298	935	1014	455	

SUMMARY OF PERMANENT EROSION CONTROL

C.R.L. STA. TO C.R.L. STA.	205(A)6210 SALVAGED TOP SOIL TYPE A	230(A)7200 SOLID SLAB SODDING	233(A)0200 VEGETATIVE MULCHING
	CY	SY	AC
566+00 TO 568+00	33.74	241	0.22
568+00 TO 583+00	174.3	1245	2.61
583+00 TO 598+00	142.24	1016	2.52
598+00 TO 613+00	161.84	1156	2.18
613+00 TO 628+00	150.92	1078	1.93
628+00 TO 643+00	168.84	1206	2.33
643+00 TO 658+00	170.66	1219	1.79
658+00 TO 664+00	61.6	440	0.23
664+00 TO 670+00	56	400	0.13
670+00 TO 676+00	42.14	301	0.08
676+00 TO 682+00	41.3	295	0.08
682+00 TO 688+00	42.28	302	0.00
688+00 TO 694+00	39.76	284	0.00
694+00 TO 698+86	10.92	78	0.00
BORDER	67.62	483	0.00
HANCOCK	38.92	278	0.00
PED. BRIDGE	667.52	4768	0.00
SUB-TOTAL	2071	14790	15
MISCELLANEOUS	1429	9306	0.00
TOTAL	3500	14790	15.00

SUMMARY OF TEMPORARY EROSION CONTROL

STA. TO STA.	LOCATION AND PLACEMENT DESCRIPTION	221(B)2300 TEMPORARY SILT FENCE	221(C)2410 REINFORCED SILT FENCE	221(E)2600 TEMPORARY SILT DIKE	221(H)2900 TEMPORARY INLET SEDIMENT FILTER
		LF	LF	LF	EA
533+00 TO 568+00	LT. & RT DITCH BOTTOM & ALONG FORESLOPE	217		96	
568+00 TO 583+00	LT. & RT DITCH BOTTOM & ALONG FORESLOPE	509		132	
583+00 TO 598+00	LT. & RT DITCH BOTTOM & ALONG FORESLOPE	1255		193	
598+00 TO 613+00	LT. & RT DITCH BOTTOM & ALONG FORESLOPE	185		227	
613+00 TO 628+00	LT. & RT DITCH BOTTOM & ALONG FORESLOPE	1189		311	
628+00 TO 643+00	LT. & RT DITCH BOTTOM & ALONG FORESLOPE	725		96	
643+00 TO 658+00	LT. & RT DITCH BOTTOM & ALONG SLOPES & INLETS	130	160	84	2
658+00 TO 664+00	LT. & RT DITCH BOTTOM & ALONG SLOPES & INLETS	213	80	36	2
664+00 TO 670+00	TEMP.PROTECTION LT/RT PROP. STRUCT. & INLETS	288	500		7
670+00 TO 676+00	TEMP.PROTECTION LT/RT PROP. STRUCT. & INLETS	252	800		8
676+00 TO 682+00	TEMP.PROTECTION LT/RT PROP. STRUCT. & INLETS	465	620		5
682+00 TO 688+00	TEMP.PROTECTION LT/RT PROP. STRUCT. & INLETS	271	400		3
688+00 TO 694+00	TEMP.PROTECTION LT/RT PROP. STRUCT. & INLETS	179	200		5
694+00 TO 698+86	TEMP.PROTECTION LT/RT PROP. STRUCT. & INLETS	92	120		3
	TOTAL	5970	2880	1175	35

OKLAHOMA DEPARTMENT OF TRANSPORTATION

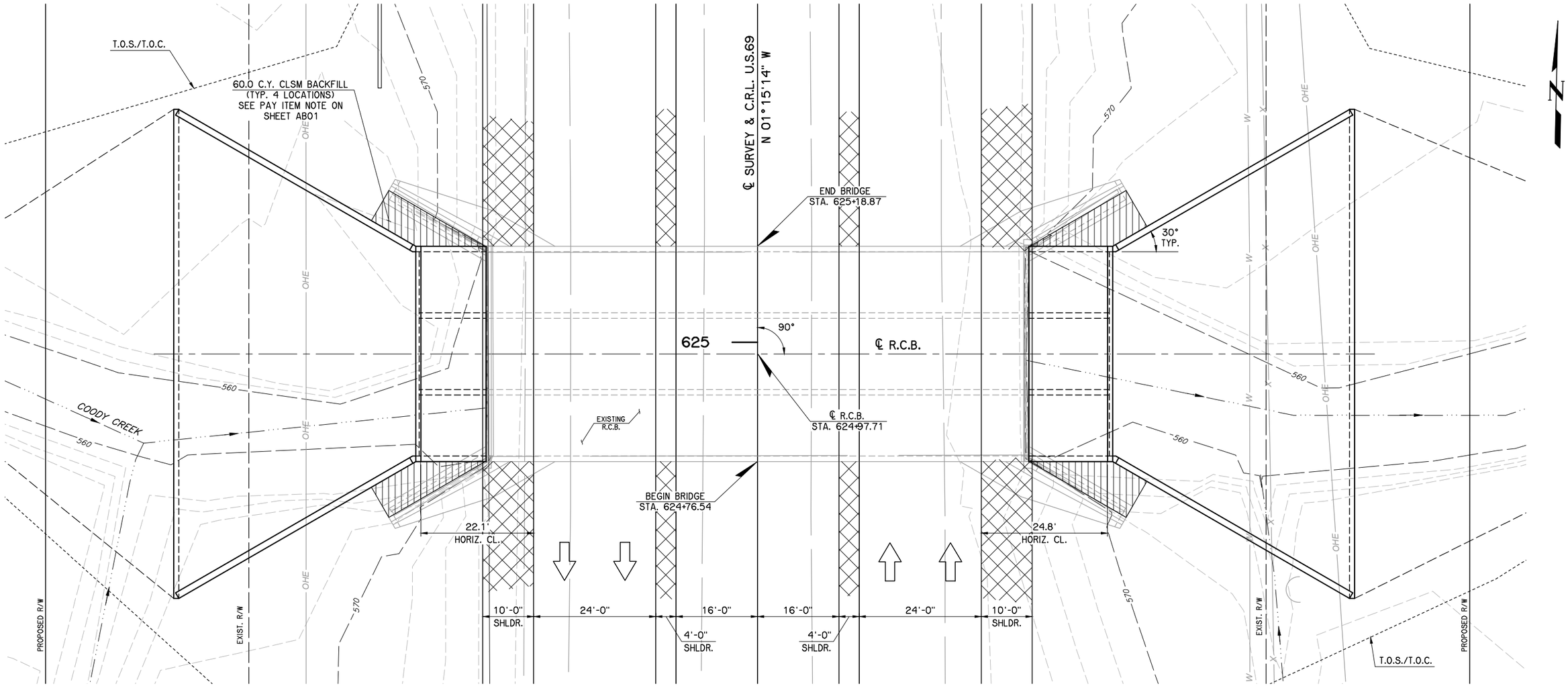
FINAL FIELD MEETING
October 2023

U.S. HIGHWAY 69

SUMMARY SHEET (6 OF 6)

MUSKOGEE COUNTY PROJECT NO. 27108(04) SHEET NO. AX06

FINAL REVIEW PLANS
OCTOBER 2023



PLAN
1"=10'

BM #10
CL. SURVEY STA. 625+18.3, 52.6' LT.
CHISELED "X" WEST HDWL.
ELEV. 576.07

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

U.S.69 OVER COODY CREEK
BRIDGE "A"
MUSKOGEE COUNTY

GENERAL PLAN AND ELEVATION (1 OF 2)
12'-14'-12' x 14' x 137' R.C.B.
℄ STA. 624+97.71, 0° SKEW

Design	CEG	
Detail	DRB	
Check	AFW	

CEC

STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION
JOB PIECE NO. 27108(04)
SHEET NO. B001

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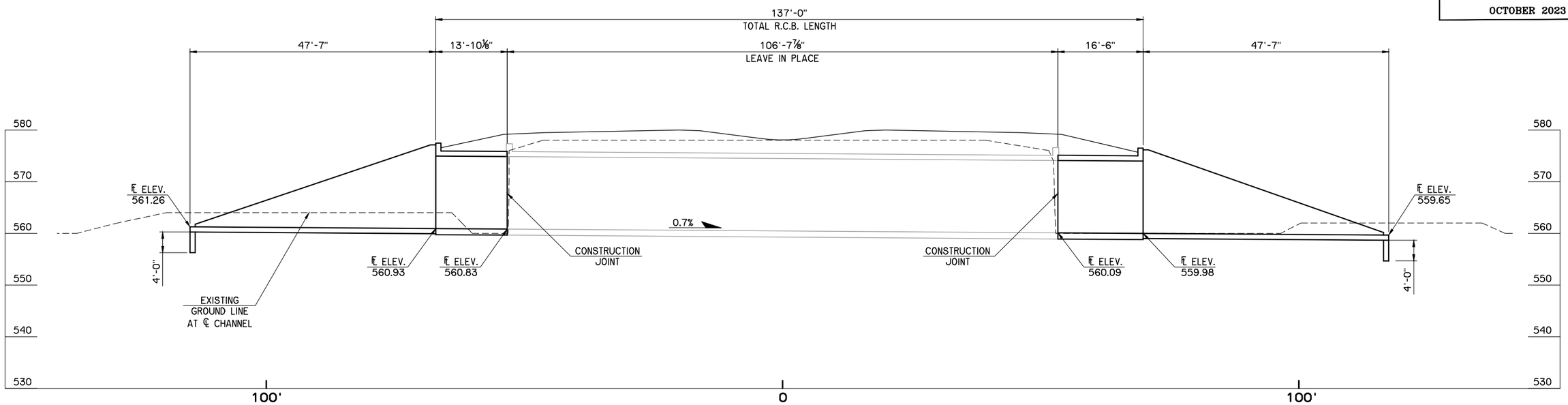
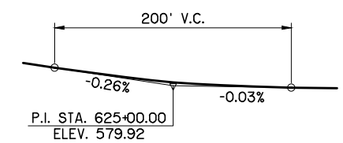
FINAL REVIEW PLANS
OCTOBER 2023



ELEVATION
1"=20'



VERTICAL CURVE DATA
U.S.69

DESIGN DATA

CONCRETE CLASS AA f'c = 4 K.S.I.
REINFORCING STEEL (GRADE 60) fy = 60 K.S.I.

LOADING:
HL-93 OR OKLAHOMA OVERLOAD TRUCK

DESIGN:
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 7TH EDITION

HL-93 INVENTORY RATING FACTOR: 1.36
HL-93 OPERATING RATING FACTOR: 1.81

INDEX OF SHEETS

STANDARDS

SBI-5-1

HYDRAULIC DATA

TOTAL DRAINAGE AREA	=	5.86 SQ. MILES
CONTROLLED DRAINAGE AREA	=	0.00 SQ. MILES
EFFECTIVE DRAINAGE AREA	=	5.86 SQ. MILES
Q2	=	882 C.F.S.
V2	=	2.56 F.P.S.
Q2 COMPUTED HIGHWATER ELEVATION	=	567.74 FT.
Q5	=	1700 C.F.S.
V5	=	4.10 F.P.S.
Q5 COMPUTED HIGHWATER ELEVATION	=	569.27 FT.
Q10	=	2470 C.F.S.
V10	=	5.41 F.P.S.
Q10 COMPUTED HIGHWATER ELEVATION	=	570.40 FT.
Q25	=	3750 C.F.S.
V25	=	7.39 F.P.S.
Q25 COMPUTED HIGHWATER ELEVATION	=	572.20 FT.
Q50	=	4580 C.F.S.
V50	=	8.59 F.P.S.
Q50 COMPUTED HIGHWATER ELEVATION	=	573.50 FT.
Q100	=	5600 C.F.S.
V100	=	10.03 F.P.S.
Q100 COMPUTED HIGHWATER ELEVATION	=	575.30 FT.
Q500	=	8320 C.F.S.
V500	=	13.67 F.P.S.
Q500 COMPUTED HIGHWATER ELEVATION	=	580.01 FT.
Q0T = Q400		
Q400	=	7645 C.F.S.
V400	=	12.77 F.P.S.
Q400 COMPUTED HIGHWATER ELEVATION	=	579.56 FT.

SUMMARY OF QUANTITIES - BRIDGE "A"

ITEM	UNIT	TOTAL
UNCLASSIFIED EXCAVATION	C.Y.	1,160
STRUCTURAL EXCAVATION UNCLASSIFIED	C.Y.	255
CLSM BACKFILL	C.Y.	235.7
CLASS AA CONCRETE	C.Y.	622.9
REINFORCING STEEL	LB.	88,860

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U.S.69 OVER COODY CREEK MUSKOGEE COUNTY
BRIDGE "A"

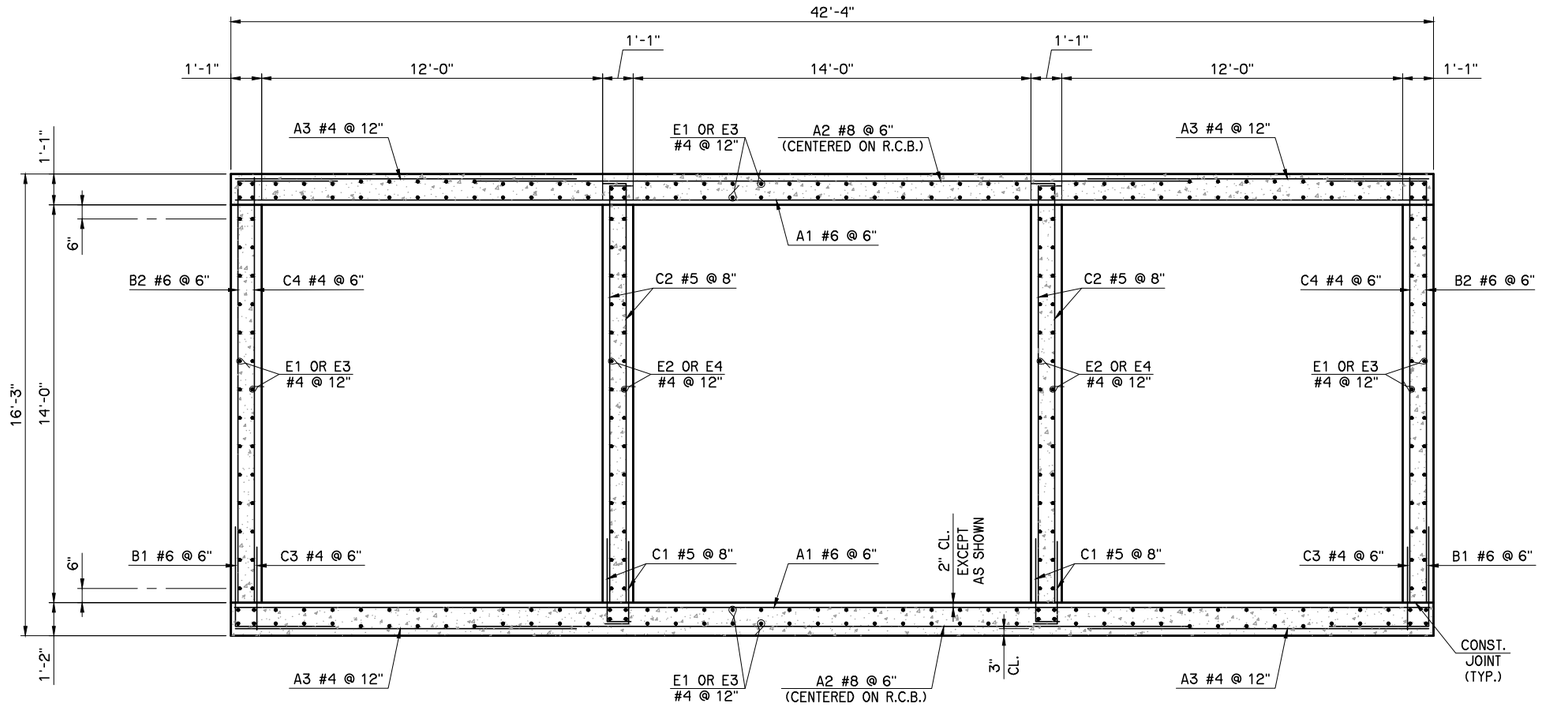
GENERAL PLAN AND ELEVATION (2 OF 2)
12'-14'-12' x 14' x 137' R.C.B.
℄ STA. 624+97.71, 0° SKEW

Design	CEG
Detail	DRB
Check	AFW

CEC

STATE OF OKLAHOMA DEPARTMENT OF TRANSPORTATION
JOB PIECE NO. 27108(04) SHEET NO. B002

FINAL REVIEW PLANS
OCTOBER 2023



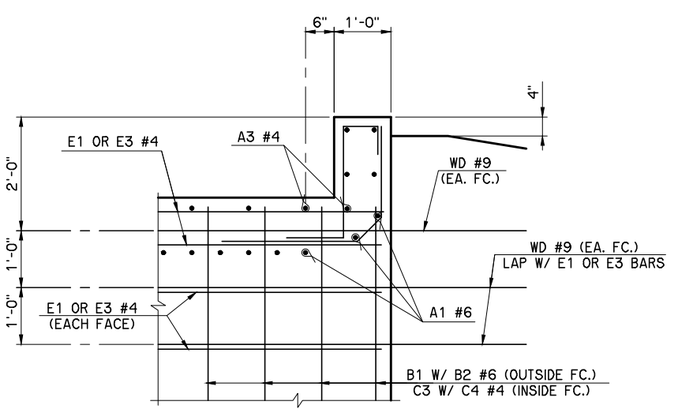
TYPICAL CROSS SECTION

PLACE WD, AD1, AND AL1 BARS FROM APRON AND WINGS TIED TO BARREL REINFORCING BEFORE PLACING BARREL CONCRETE. SEE APRON AND WING DETAILS ON SHEET B005-B006.

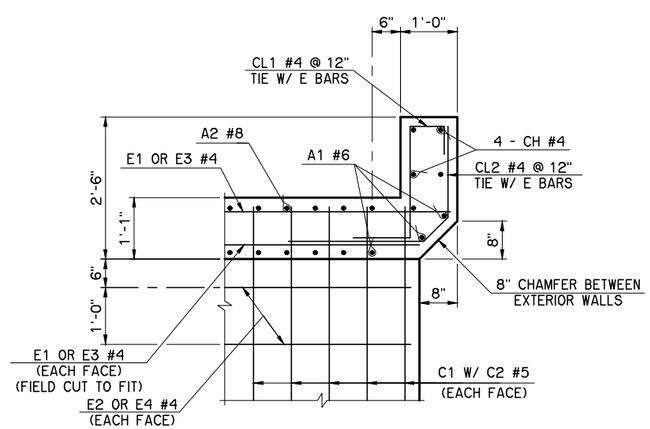
NOTE:
SEE SHEET B004 FOR ADDITIONAL SLAB REINFORCING DETAIL, BARREL CONNECTION DETAIL, AND BARREL TRANSITION DETAILS.

WEST BARREL AND HEADWALL BAR LIST				
MARK	SIZE	NO.	FORM	LENGTH
PLAIN REINFORCING				
A1	#6	42	STR.	42'-0"
A2	#8	40	STR.	25'-0"
A3	#4	40	STR.	12'-0"
A4	#9	14	STR.	42'-0"
A5	#6	8	STR.	12'-0"
A6	#9	22	STR.	25'-0"
B1	#6	56	BNT.	7'-0"
B2	#6	56	BNT.	18'-5"
C1	#5	84	BNT.	3'-9"
C2	#5	84	BNT.	15'-9"
C3	#4	56	STR.	2'-11"
C4	#4	56	STR.	14'-11"
CH	#4	4	STR.	42'-0"
CL1	#4	43	BNT.	4'-4"
CL2	#4	43	BNT.	4'-3"
D	#4	296	STR.	2'-9"
E1	#4	240	STR.	13'-6"
E2	#4	56	STR.	12'-10"
WD	#9	60	STR.	8'-4"

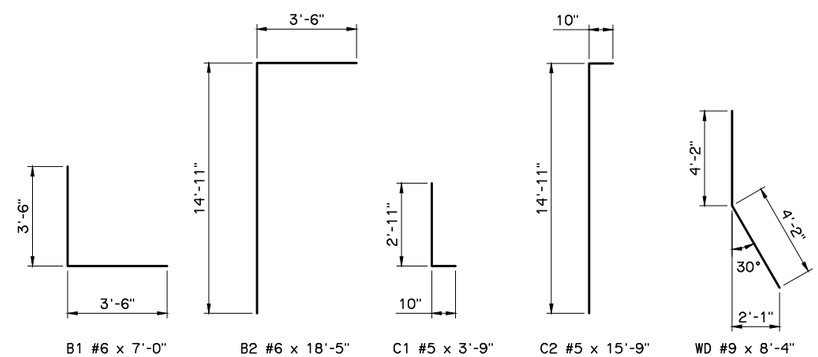
EAST BARREL AND HEADWALL BAR LIST				
MARK	SIZE	NO.	FORM	LENGTH
PLAIN REINFORCING				
A1	#6	54	STR.	42'-0"
A2	#8	50	STR.	25'-0"
A3	#4	52	STR.	12'-0"
A4	#9	14	STR.	42'-0"
A5	#6	8	STR.	12'-0"
A6	#9	22	STR.	25'-0"
B1	#6	68	BNT.	7'-0"
B2	#6	68	BNT.	18'-5"
C1	#5	100	BNT.	3'-9"
C2	#5	100	BNT.	15'-9"
C3	#4	68	STR.	2'-11"
C4	#4	68	STR.	14'-11"
CH	#4	4	STR.	42'-0"
CL1	#4	43	BNT.	4'-4"
CL2	#4	43	BNT.	4'-3"
D	#4	296	STR.	2'-9"
E3	#4	240	STR.	16'-2"
E4	#4	56	STR.	15'-6"
WD	#9	60	STR.	8'-4"

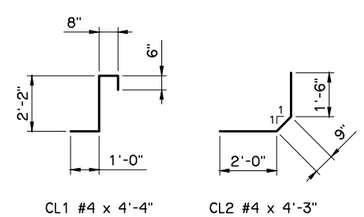


HEADWALL DETAIL AT EXTERIOR WALL



HEADWALL DETAIL AT INTERIOR WALL





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U.S.69 OVER COODY CREEK
BRIDGE "A"
MUSKOGEE COUNTY

BARREL DETAILS
SHEET 1 OF 2

Design	AFW
Detail	DRB
Check	AFW

CEC

STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION
JOB PIECE NO. 27108(04)
SHEET NO. B003

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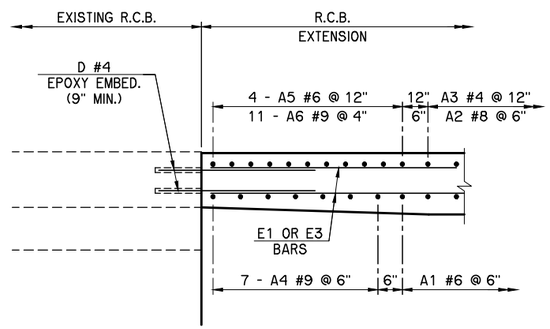
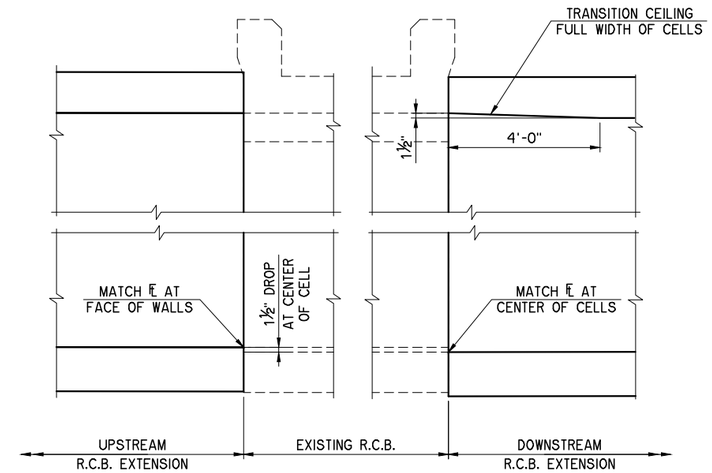
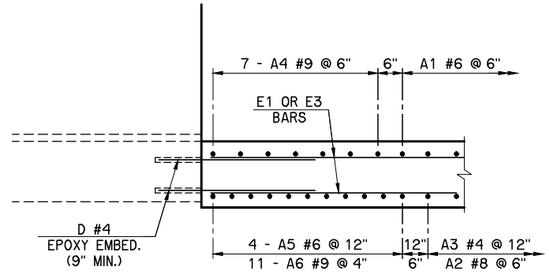
FINAL REVIEW PLANS
OCTOBER 2023



TOP SLAB

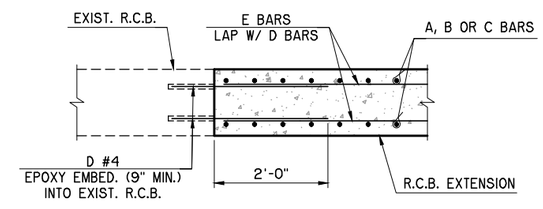


BARREL TRANSITION DETAILS



BOTTOM SLAB

ADDITIONAL SLAB REINFORCING DETAIL



BARREL CONNECTION DETAIL

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U.S.69 OVER COODY CREEK
BRIDGE "A"
MUSKOGEE COUNTY

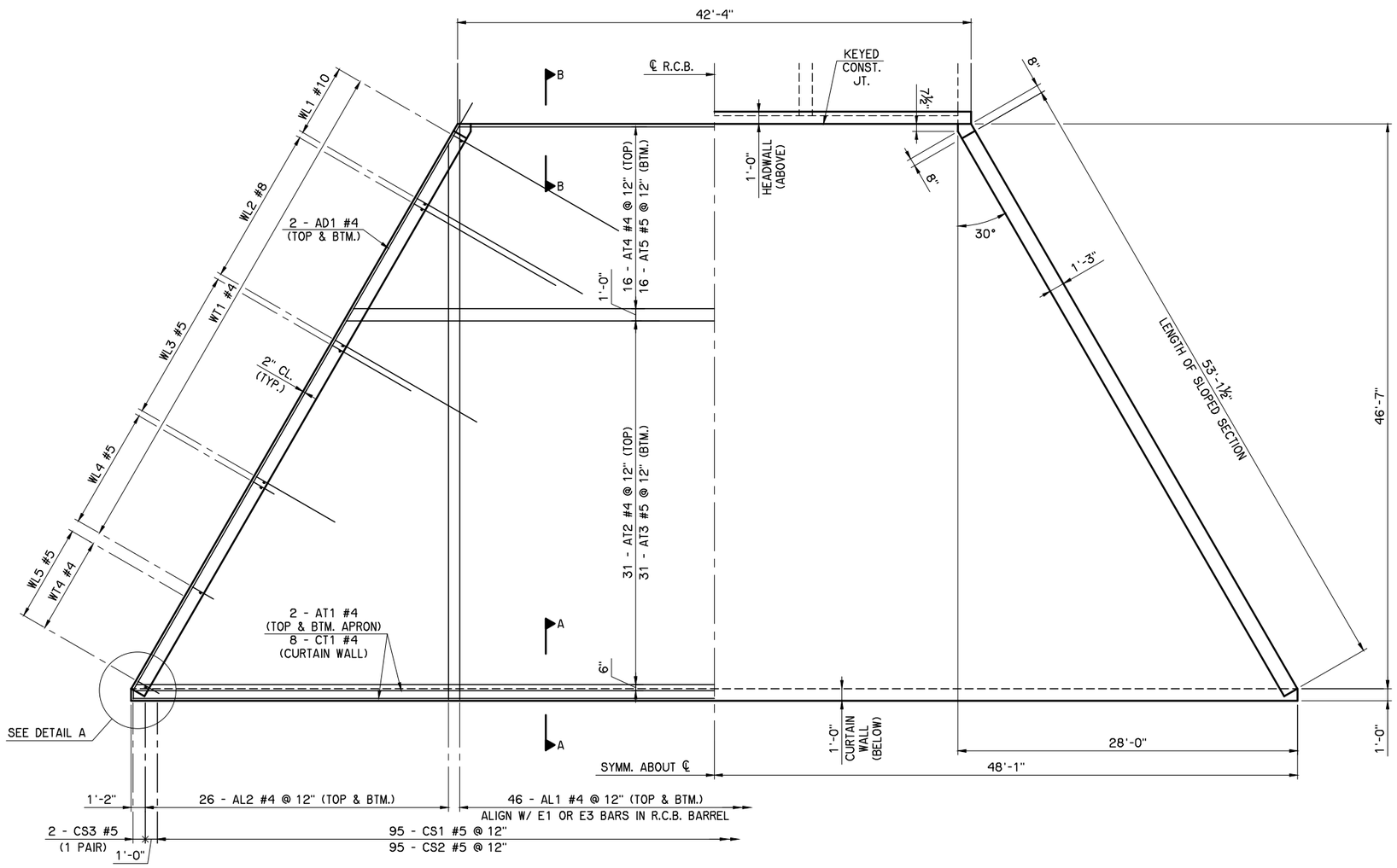
BARREL DETAILS
SHEET 2 OF 2

Design	AFW	
Detail	DRB	
Check	AFW	

CEC

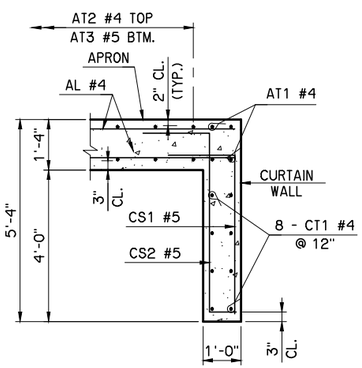
STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION
JOB PIECE NO. 27108(04)
SHEET NO.B004

FINAL REVIEW PLANS
OCTOBER 2023

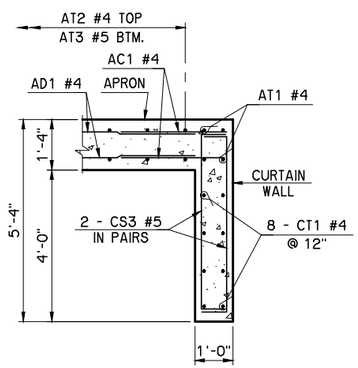


APRON & CURTAIN WALL PLAN

NOTE:
SEE SHEET B006 FOR WINGWALL REINFORCING AND DETAILS, BAR LIST AND BAR BENDS.

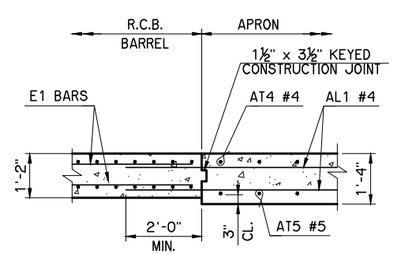


TYPICAL

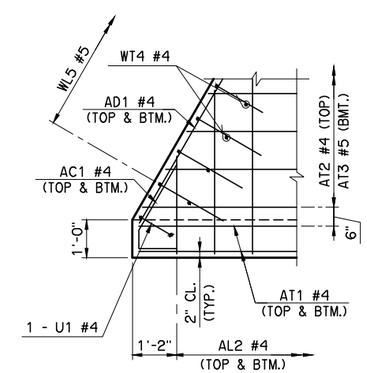


AT END

SECTION A-A



SECTION B-B



DETAIL A

NOTE:
CURTAIN WALL REINFORCING NOT SHOWN FOR CLARITY.

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U.S.69 OVER COODY CREEK — MUSKOGEE COUNTY
BRIDGE "A"

END SECTION DETAILS
SHEET 1 OF 2
APRON & CURTAIN WALL DETAILS

Design	AFW	
Detail	DRB	
Check	AFW	

CEC

STATE OF OKLAHOMA — DEPARTMENT OF TRANSPORTATION
JOB PIECE NO. 27108(04) — SHEET NO. B005

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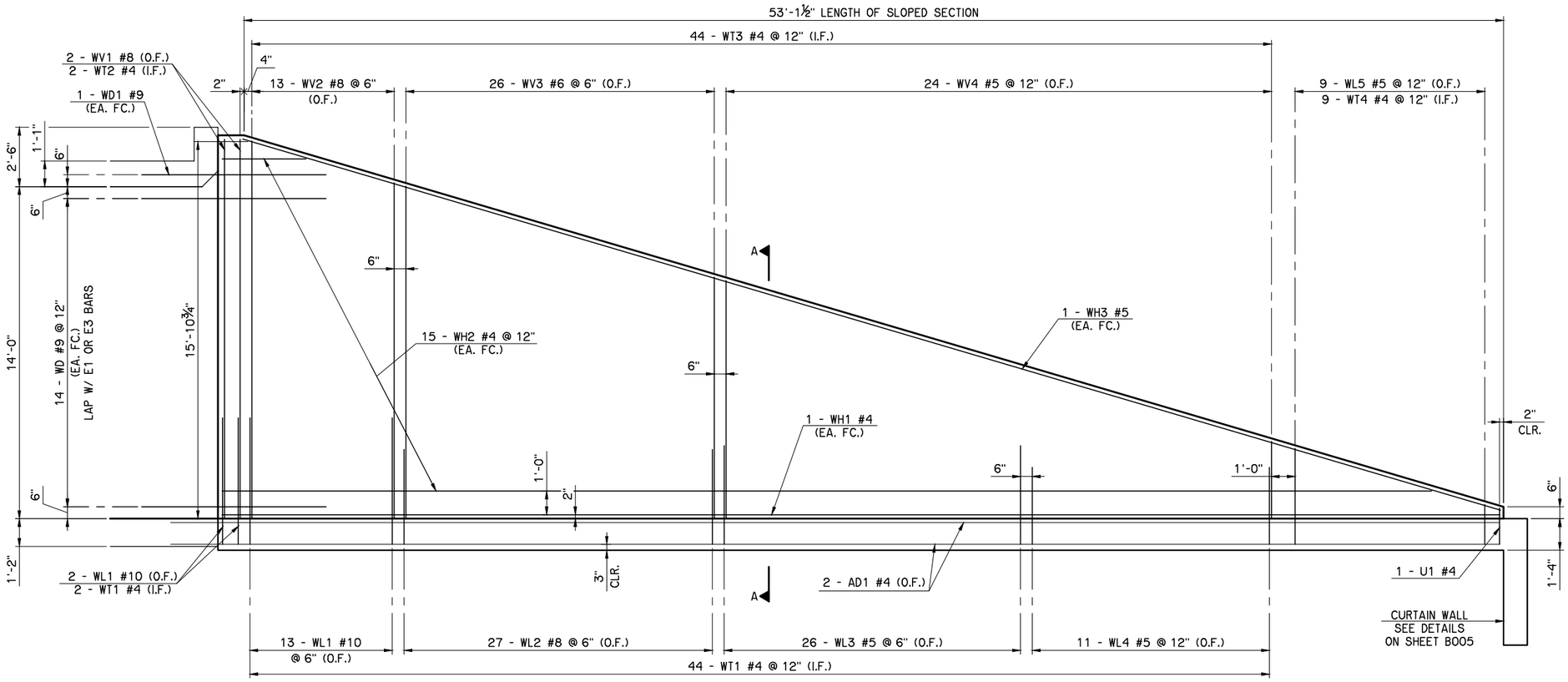
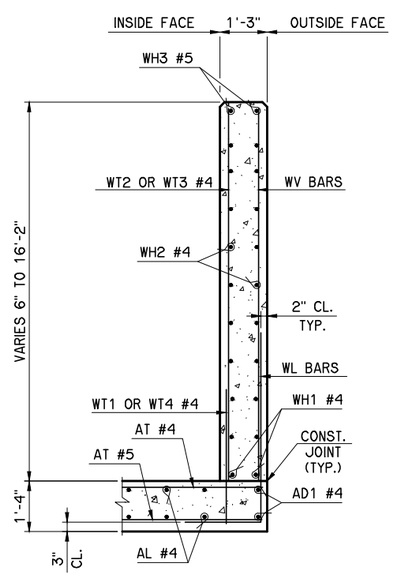
FINAL REVIEW PLANS
OCTOBER 2023

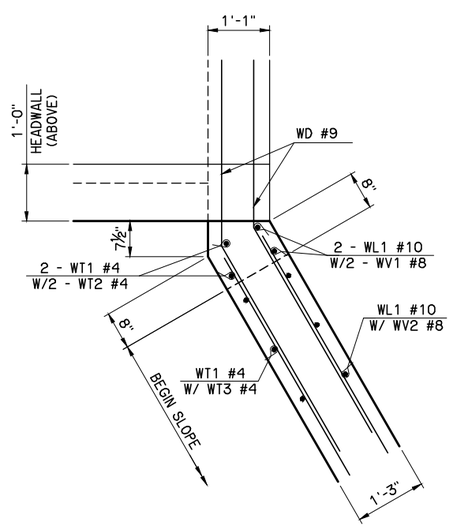


NOTE:
I.F. INDICATES INSIDE FACE OF WING.
O.F. INDICATES OUTSIDE FACE OF WING.

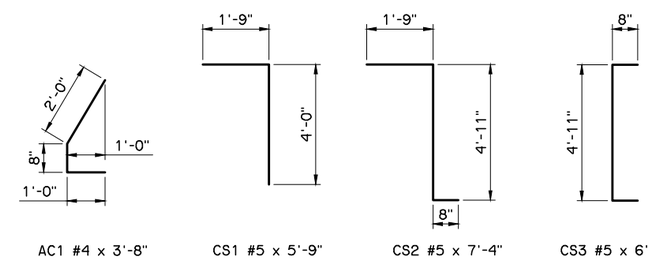
WING ELEVATION

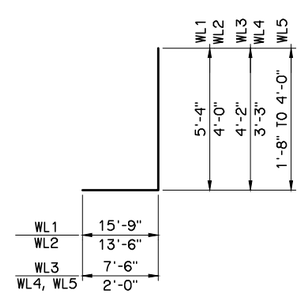


SECTION A-A

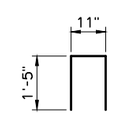


PLAN OF WING AT BARREL





WL1 #10 x 21'-1"
WL2 #8 x 17'-6"
WL3 #5 x 11'-8"
WL4 #5 x 5'-3"
WL5 #5 x 4'-10" AVG.



U1 #4 x 3'-9"

END SECTION BAR LIST
ONE SHOWN, TWO REQUIRED

	MARK	SIZE	NO.	FORM	LENGTH	LENGTH VARIATION
	PLAIN REINFORCING					
	AC1	#4	4	BNT.	3'-8"	
	AD1	#4	4	STR.	55'-10"	
	AL1	#4	92	STR.	49'-5"	
1	AL2	#4	104	STR.	24'-1" AVG.	2'-5" TO 45'-9"
2	AT1	#4	4	STR.	98'-4"	
2	AT2	#4	31	STR.	80'-6" AVG.	63'-2" TO 97'-10"
2	AT3	#5	31	STR.	80'-6" AVG.	63'-2" TO 97'-10"
	AT4	#4	16	STR.	50'-10" AVG.	42'-2" TO 59'-6"
	AT5	#5	16	STR.	50'-10" AVG.	42'-2" TO 59'-6"
	CS1	#5	95	BNT.	5'-9"	
	CS2	#5	95	BNT.	7'-4"	
	CS3	#5	4	BNT.	6'-3"	
2	CT1	#4	8	STR.	98'-4"	
	U1	#4	2	BNT.	3'-9"	
	WH1	#4	4	STR.	53'-6"	
3	WH2	#4	60	STR.	26'-11" AVG.	3'-2" TO 50'-8"
	WH3	#5	4	STR.	55'-3"	
	WL1	#10	30	BNT.	21'-1"	
	WL2	#8	54	BNT.	17'-6"	
	WL3	#5	52	BNT.	11'-8"	
	WL4	#5	22	BNT.	5'-3"	
4	WL5	#5	18	BNT.	4'-10" AVG.	3'-8" TO 6'-0"
	WT1	#4	92	STR.	3'-6"	
	WT2	#4	4	STR.	16'-0"	
5	WT3	#4	88	STR.	9'-6" AVG.	3'-2" TO 15'-10"
4	WT4	#4	18	STR.	2'-10" AVG.	1'-8" TO 4'-0"
	WV1	#8	4	STR.	16'-0"	
6	WV2	#8	26	STR.	15'-0" AVG.	14'-2" TO 15'-10"
7	WV3	#6	52	STR.	12'-1" AVG.	10'-2" TO 14'-0"
8	WV4	#5	48	STR.	6'-8" AVG.	3'-2" TO 10'-2"

1. 4 SETS OF 26 BARS
2. INCLUDES 1 - 2'-6" LAP
3. 4 SETS OF 15 BARS
4. 2 SETS OF 9 BARS
5. 2 SETS OF 44 BARS
6. 2 SETS OF 13 BARS
7. 2 SETS OF 26 BARS
8. 2 SETS OF 24 BARS

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U.S.69 OVER COODY CREEK
BRIDGE "A"
MUSKOGEE COUNTY

END SECTION DETAILS

SHEET 2 OF 2
WINGWALL DETAILS

Design	AFW
Detail	DRB
Check	AFW

CEC

STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION
JOB PIECE NO. 27108(04)
SHEET NO. B006

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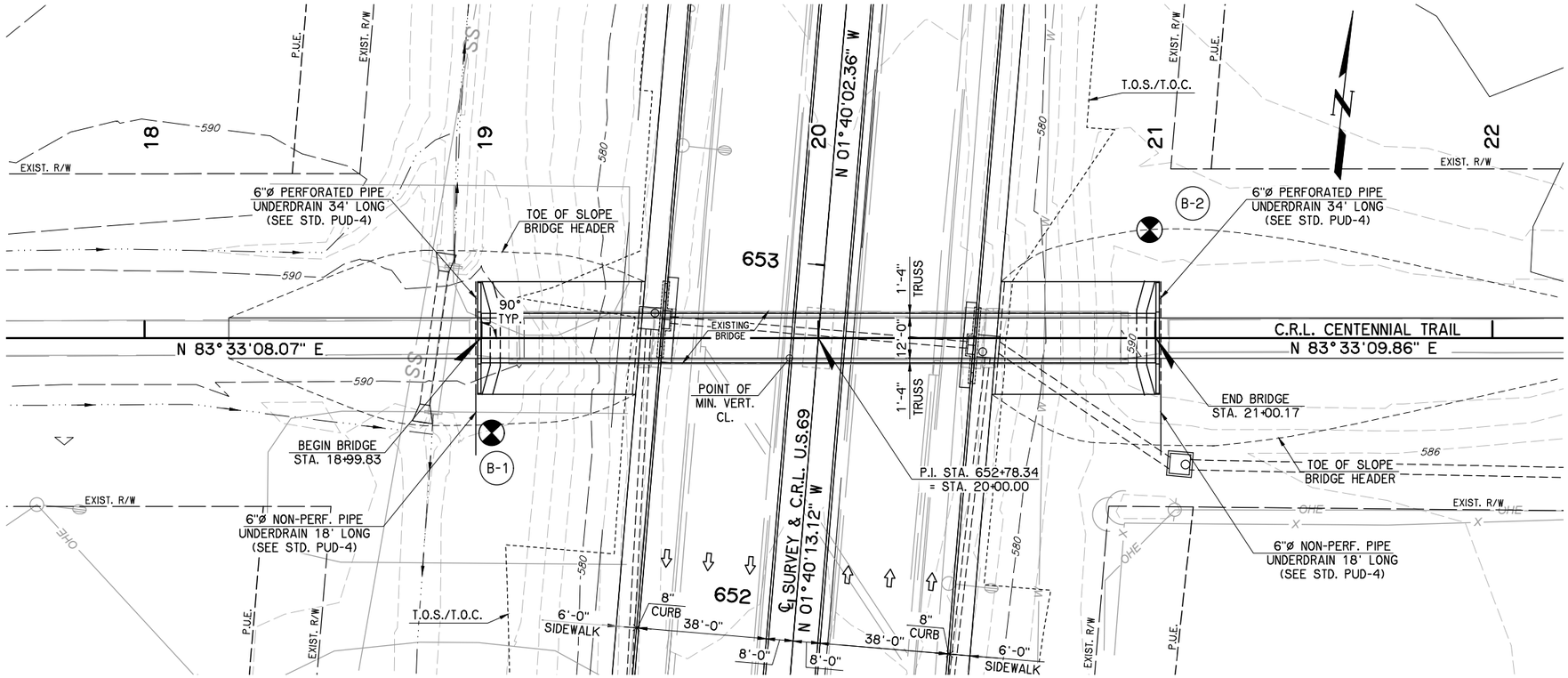
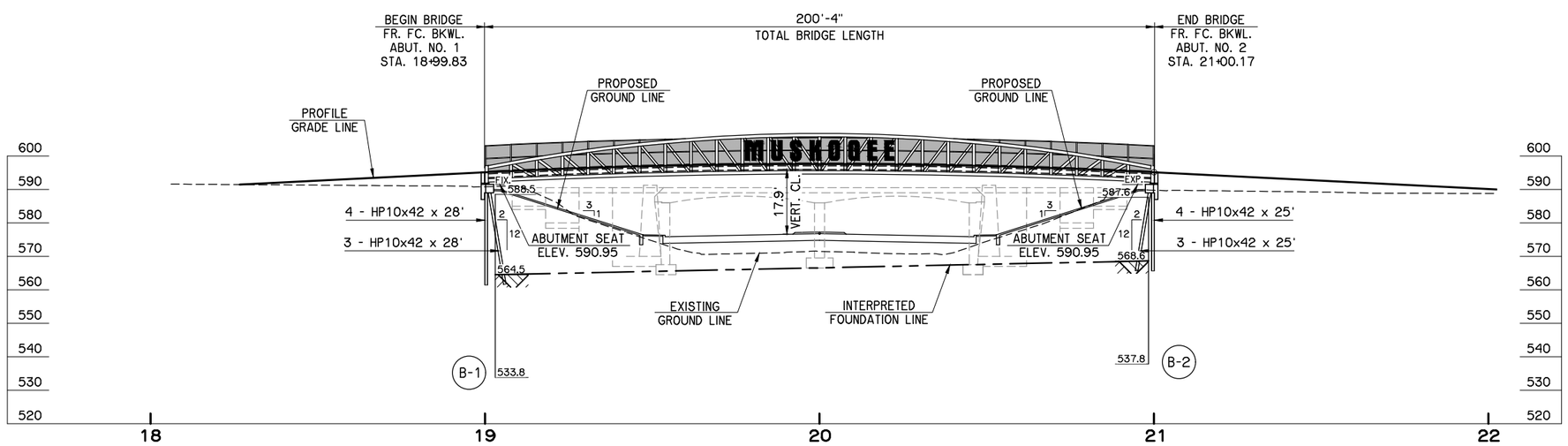
FINAL REVIEW PLANS
OCTOBER 2023



BM #10
CL. SURVEY STA. 646+25, 134.4' LT.
3" BRASS MON.–CITY OF MUSKOGEE NETWORK STA. V–19
ELEV. 590.88

BM #13
CL. SURVEY STA. 656+67.8, 116.4' RT.
CHISELED "X" SW COR. SIDEWALK
ELEV. 583.06

PLAN
1"=20'



ELEVATION
1"=20'

USE INTERPRETED FOUNDATION LINE FOR ESTIMATING PURPOSES ONLY.

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CENTENNIAL TRAIL OVER U.S.69 — MUSKOGEE COUNTY
BRIDGE "B"

GENERAL PLAN AND ELEVATION (1 OF 2)
200' LONG x 12' WIDE STEEL THRU-TRUSS SPAN
℄ STA. 652+78.34, 5° TURN RT. RWD.

Design	CEG
Detail	DRB
Check	AFW

CEC

STATE OF OKLAHOMA — DEPARTMENT OF TRANSPORTATION
JOB PIECE NO. 27108(04) — SHEET NO. B007

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FINAL REVIEW PLANS
OCTOBER 2023

SUMMARY OF BRIDGE QUANTITIES

ITEM DESCRIPTION	UNIT	ABUTMENTS	SLOPE WALL	TOTAL
SUBSTRUCTURE EXCAVATION COMMON	C.Y.	80		80
GRANULAR BACKFILL	C.Y.	82		82
CLASS A CONCRETE	C.Y.	32.4		32.4
SLOPE WALL (5")	S.Y.		404	404
REINFORCING STEEL	LB.	3,800		3,800
PILES, FURNISHED (HP 10x42)	L.F.	371		371
PILES, DRIVEN (HP 10x42)	L.F.	371		371
PILE SPLICE, H-PILE (NON-BIDDABLE)	EA.	1		1
(PL)INSTALLATION OF BRIDGE ITEMS	L.SUM			1
6" PERFORATED PIPE UNDERDRAIN ROUND	L.F.	68		68
6" NON-PERF. PIPE UNDERDRAIN RND.	L.F.	36		36
REMOVAL OF EXISTING BRIDGE STRUCTURE	L.SUM			1

DESIGN DATA

CONCRETE CLASS A — f'c = 3 K.S.I.
REINFORCING STEEL (GRADE 60) — fy = 60 K.S.I.

DESIGN:
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 7TH EDITION, 2014
AASHTO LRFD GUIDE SPECIFICATIONS FOR THE DESIGN OF PEDESTRIAN BRIDGES, 2009
ANSI/AASHTO/AWS D1.5 BRIDGE WELDING CODE

INDEX OF SHEETS

STANDARDS

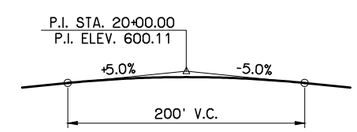
HP1-2-01E
PUD-4-0

FOUNDATION DATA

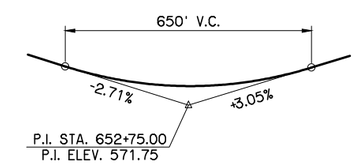
ABUTMENTS (HP 10Xx42 PILING)

FACTORED PILE REACTION = 49.4 TON / PILE

FACTORED PILE RESISTANCE:
DRIVE PILING THROUGH THE COMPACTED FILL AND TO A POINT BEARING ON SOLID FOUNDATION MATERIAL AT THE APPROXIMATE ELEVATION SHOWN ON THE PLANS. IF A FACTORED AXIAL LOAD RESISTANCE EQUAL TO OR GREATER THAN THE FACTORED PILE REACTION IS NOT OBTAINED AT THIS ELEVATION, CONTINUE DRIVING UNTIL SUCH IS OBTAINED. THE LENGTH OF STEEL PILING SHOWN ON THE PLANS IS FOR ESTIMATING PURPOSES ONLY.



VERTICAL CURVE DATA
CENTENNIAL TRAIL



VERTICAL CURVE DATA
U.S.69

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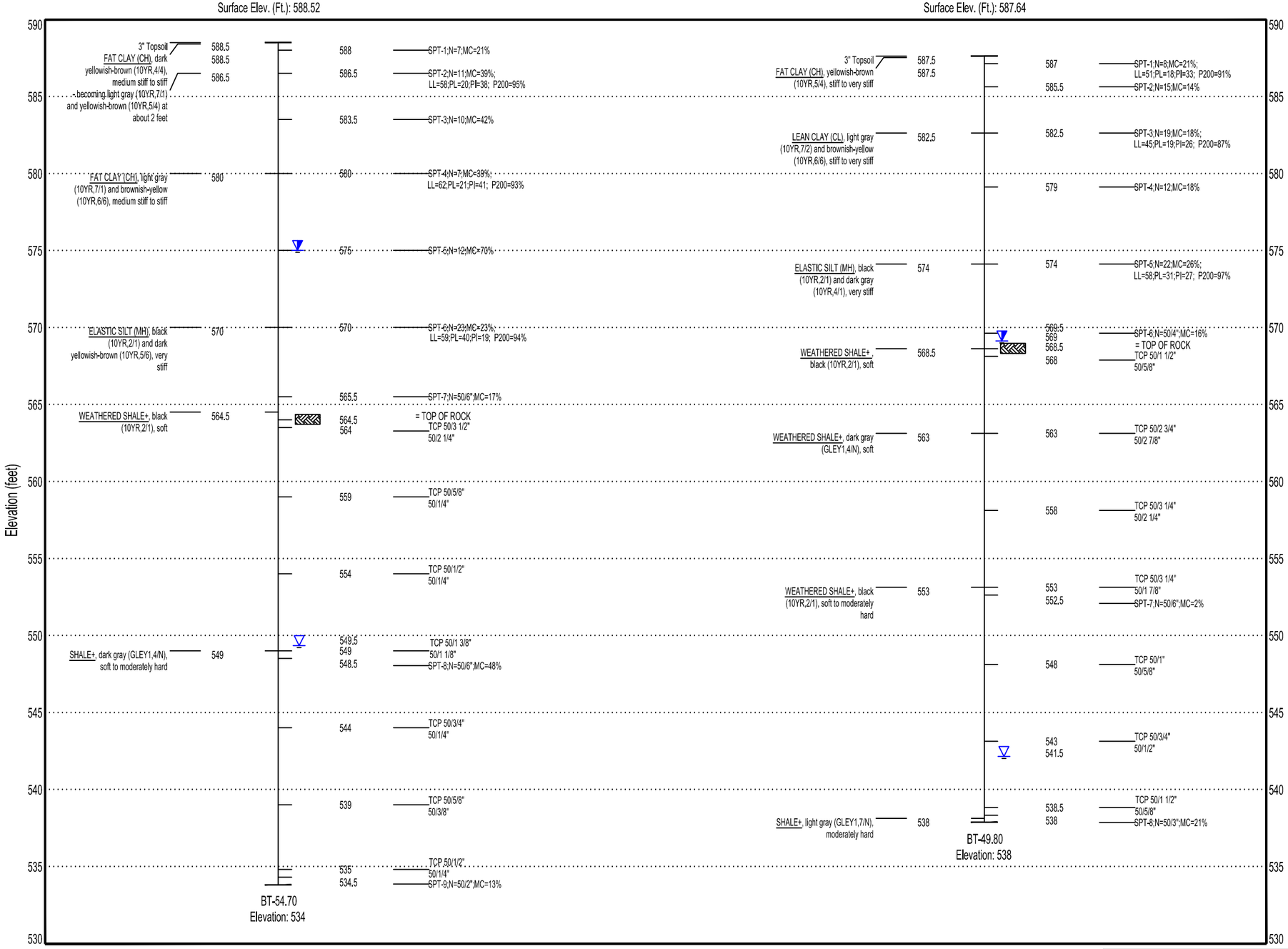
CENTENNIAL TRAIL OVER U.S.69 — MUSKOGEE COUNTY
BRIDGE "B"

GENERAL PLAN AND ELEVATION (2 OF 2)
200' LONG x 12' WIDE STEEL THRU-TRUSS SPAN
℄ STA. 652+78.34, 5° TURN RT. RWD.

Design	CEG
Detail	DRB
Check	AFW

CEC

STATE OF OKLAHOMA — DEPARTMENT OF TRANSPORTATION
JOB PIECE NO. 27108(04) — SHEET NO. B008



REVISIONS		
REV. NO.	DESCRIPTION	DATE
		2/3/2017

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 (psi)
TCP = TEXAS CONE PENTROMETER
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 THROUGHTOUT THE YEAR.

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

* NOTE: TOP OF ROCK LINE SHOWN FOR ESTIMATING PURPOSED 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 DISTURBED SAMPLES. CORE SAMPLES AND PETROGRAPHIC ANALYSIS MAY REVEAL OTHER ROCK TYPES.

SITE GEOLOGY

Based on information published in the Oklahoma Department of Transportation manual, *"Engineering Classification of Geologic Materials: Division 1"*, the project is located within the Boggy Unit. This unit consists of shale, sandstone, siltstone, and a minor amount of limestone. The sandstone ranges from soft to hard, tan to gray in color, and in beds with thicknesses of a few inches up to 40 feet. Shales are mostly fissile ranging to clay shale, generally dark colored, and occur in zones up to 350 feet. Generally these shale zones have occasional thin stringers of sandstone, siltstone, and minor amounts of limestone.

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
Consulting Engineers and Scientists
9522 EAST 47TH PLACE, UNIT D TULSA, OKLAHOMA 74146
PH. (918) 250-0461 FAX. (918) 250-4570

US-69 Widening - Pedestrian Bridge Muskogee County

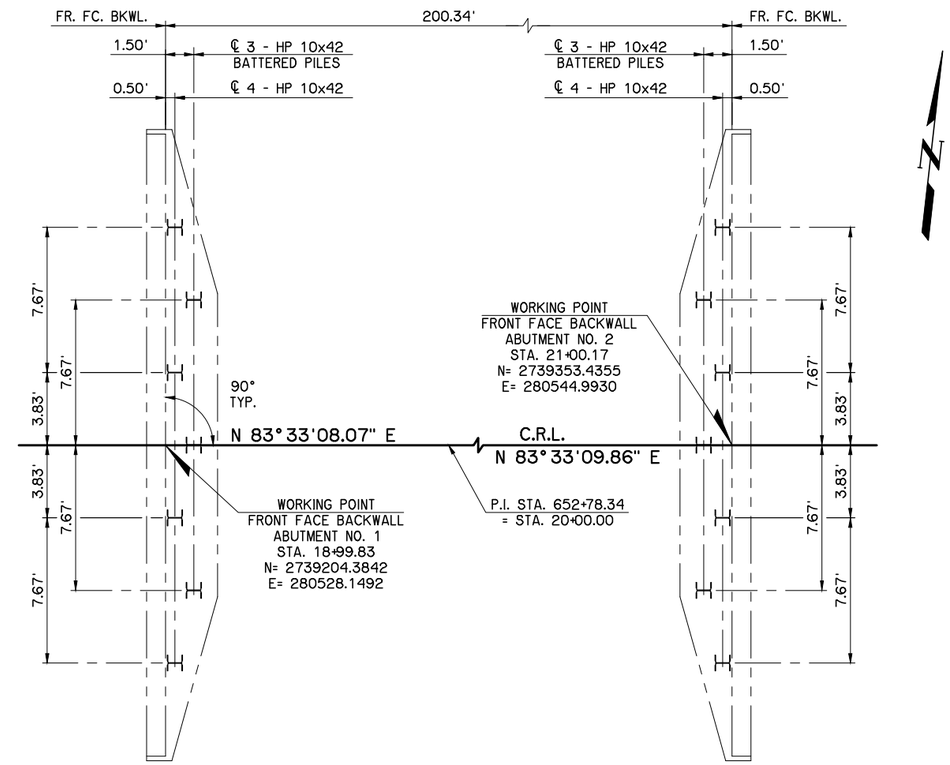
SUBSURFACE PROFILE

Design	N/A	N/A
Detail	N/A	N/A
Check	N/A	N/A
Squad:		
Engr.		

STATE OF OKLAHOMA | DEPARTMENT OF TRANSPORTATION
Job Piece No. | SHEET NO.

FINAL REVIEW PLANS

OCTOBER 2023



SUBSTRUCTURE LAYOUT

NOTE:
PLACE WEB FACE OF ALL SEAT PILES PERPENDICULAR TO FACE OF BRIDGE SEAT. DRIVE ALL PILES VERTICAL EXCEPT AS NOTED.

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CENTENNIAL TRAIL OVER U.S.69 — MUSKOGEE COUNTY
BRIDGE "B"

SUBSTRUCTURE LAYOUT

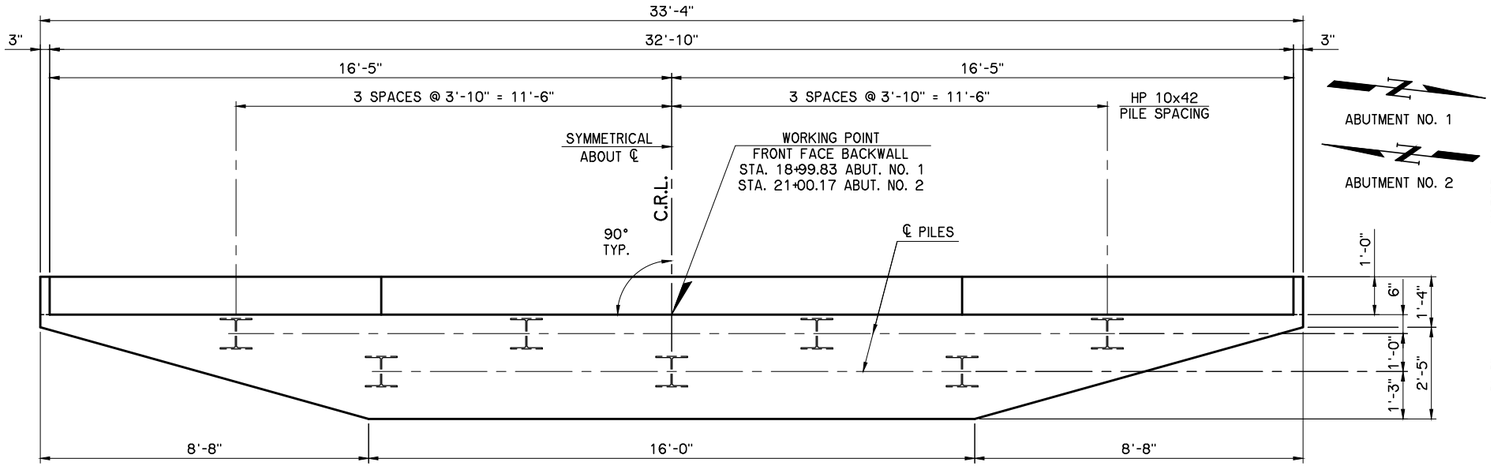
Design	AFW	
Detail	DRB	
Check	AFW	

CEC

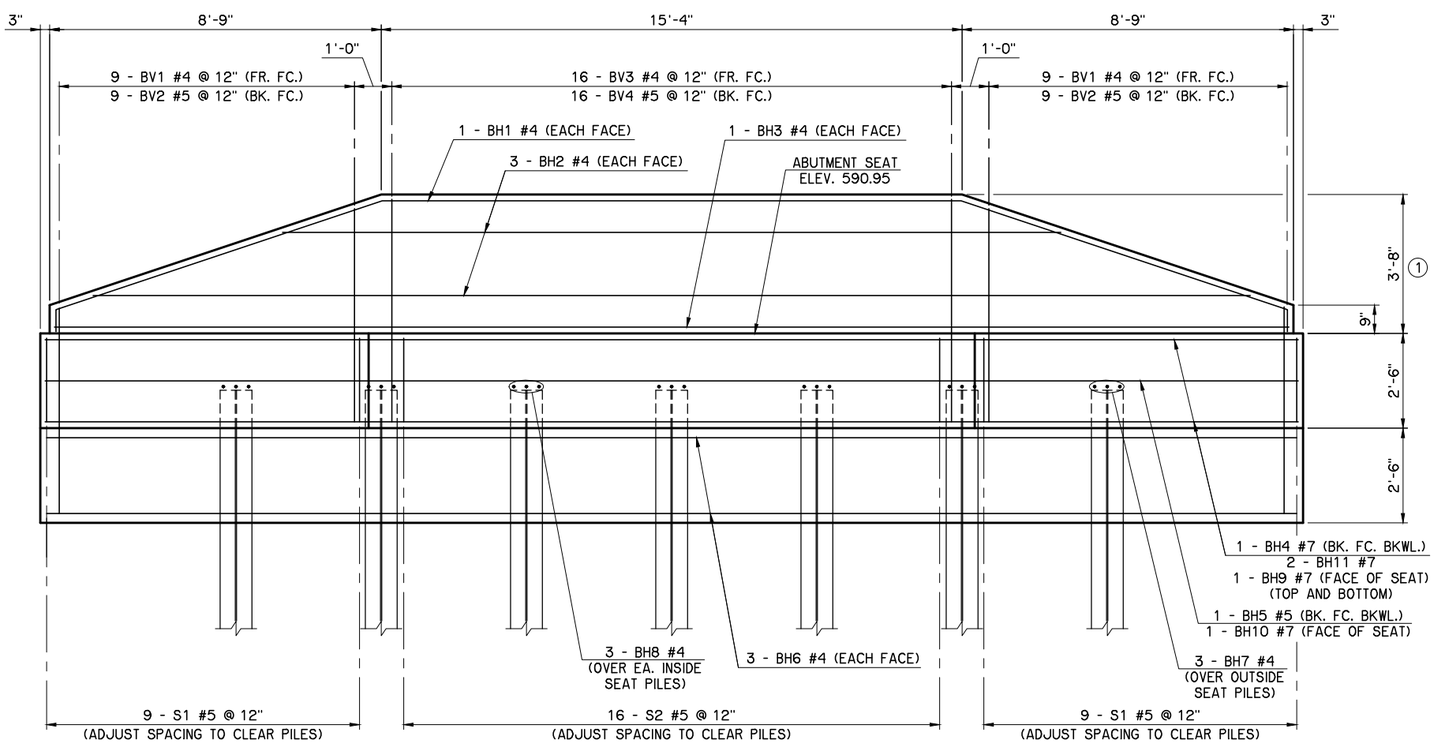
STATE OF OKLAHOMA — DEPARTMENT OF TRANSPORTATION

JOB PIECE NO. 27108(04) — SHEET NO. B010

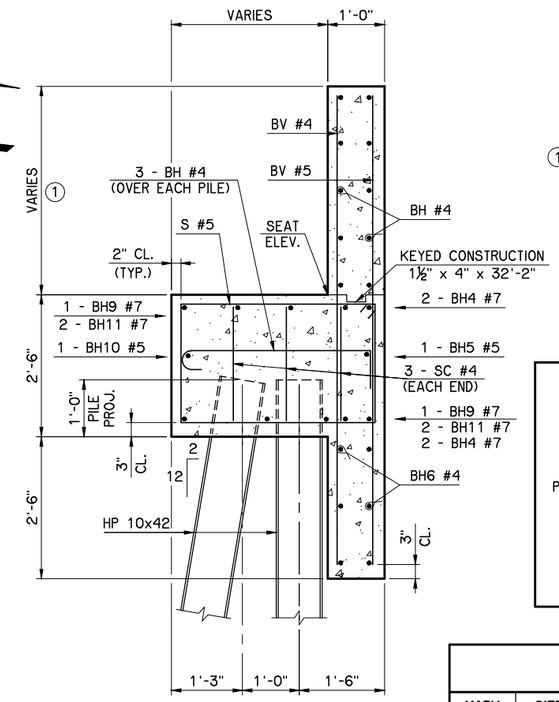
FINAL REVIEW PLANS
OCTOBER 2023



PLAN



ELEVATION



SECTION THRU SEAT

① VERIFY DIMENSIONS MATCH THE REQUIREMENTS OF THE PROVIDED SUPERSTRUCTURE.

PROVIDE ANCHOR BOLTS MEETING THE REQUIREMENTS OF THE SUPERSTRUCTURE FABRICATOR AND AT LOCATIONS CONSISTENT WITH THE CHOSEN SYSTEM. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE PROPER INSTALLATION OF ANCHOR BOLTS, INCLUDING THE SIZE, LENGTH, AND LOCATION. INCLUDE ALL COSTS FOR ANCHOR BOLTS IN THE CONTRACT UNIT COST OF "(PL) INSTALLATION OF BRIDGE ITEMS."

ABUTMENTS ARE DESIGNED USING THE FOLLOWING SUPERSTRUCTURE REACTIONS. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE ABUTMENTS ARE SUFFICIENT. SEE GENERAL NOTES ON SHEET AB01 FOR MORE INFORMATION.

PEDESTRIAN BRIDGE REACTIONS:

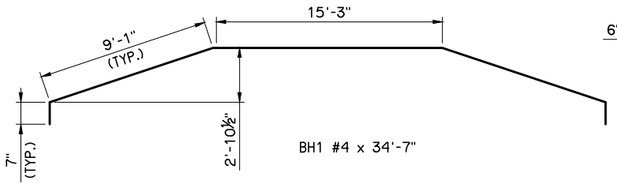
DEAD LOAD:	81,600 LBS. (2 PER ABUTMENT)
UNIFORM LIVE LOAD:	54,765 LBS. (2 PER ABUTMENT)
VEHICLE LOAD:	5,000 LBS. (2 PER ABUTMENT)
WIND (VERTICAL):	9,400 LBS. (2 PER ABUTMENT)
WIND (LATERAL):	44,200 LBS. (1 PER ABUTMENT)
THERMAL:	13,150 LBS. (2 PER ABUTMENT)

ABUTMENT BAR LIST

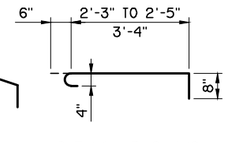
ONE SHOWN, TWO REQUIRED

	MARK	SIZE	NO.	FORM	LENGTH	LENGTH VARIATION
	PLAIN REINFORCING					
	BH1	#4	2	BNT.	34'-7"	
②	BH2	#4	6	STR.	25'-3" AVG.	20'-3" TO 30'-3"
	BH3	#4	2	STR.	32'-6"	
	BH4	#7	4	STR.	33'-0"	
	BH5	#5	1	STR.	33'-0"	
	BH6	#4	6	STR.	33'-0"	
②	BH7	#4	6	BNT.	3'-6" AVG.	3'-5" TO 3'-7"
	BH8	#4	15	BNT.	4'-6"	
	BH9	#7	2	BNT.	35'-7"	
	BH10	#5	1	BNT.	35'-7"	
③	BH11	#7	4	STR.	25'-9" AVG.	22'-6" TO 29'-0"
④	BV1	#4	18	STR.	6'-8" AVG.	5'-4" TO 8'-0"
④	BV2	#5	18	STR.	6'-8" AVG.	5'-4" TO 8'-0"
	BV3	#4	16	STR.	8'-3"	
	BV4	#5	16	STR.	8'-3"	
	SC	#4	6	BNT.	3'-3"	
④	S1	#5	18	BNT.	9'-3" AVG.	7'-1" TO 11'-5"
	S2	#5	16	STR.	11'-11"	

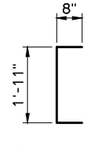
② 2 SETS OF 3
③ 2 SETS OF 2
④ 2 SETS OF 9



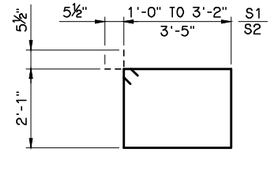
BH1 #4 x 34'-7"



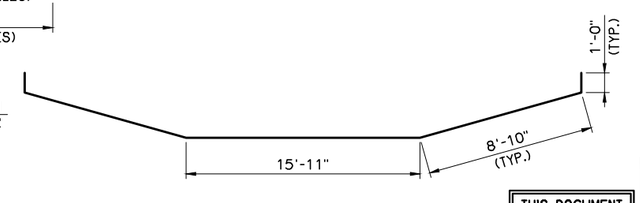
BH7 #4 x 3'-6" AVG.
BH8 #4 x 4'-6"



SC #4 x 3'-3"



S1 #5 x 9'-3" AVG.
S2 #5 x 11'-11"



BH9 #7 x 35'-7"
BH10 #5 x 35'-7"

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

CENTENNIAL TRAIL OVER U.S.69 — MUSKOGEE COUNTY
BRIDGE "B"

ABUTMENT DETAILS
SHEET 1 OF 2

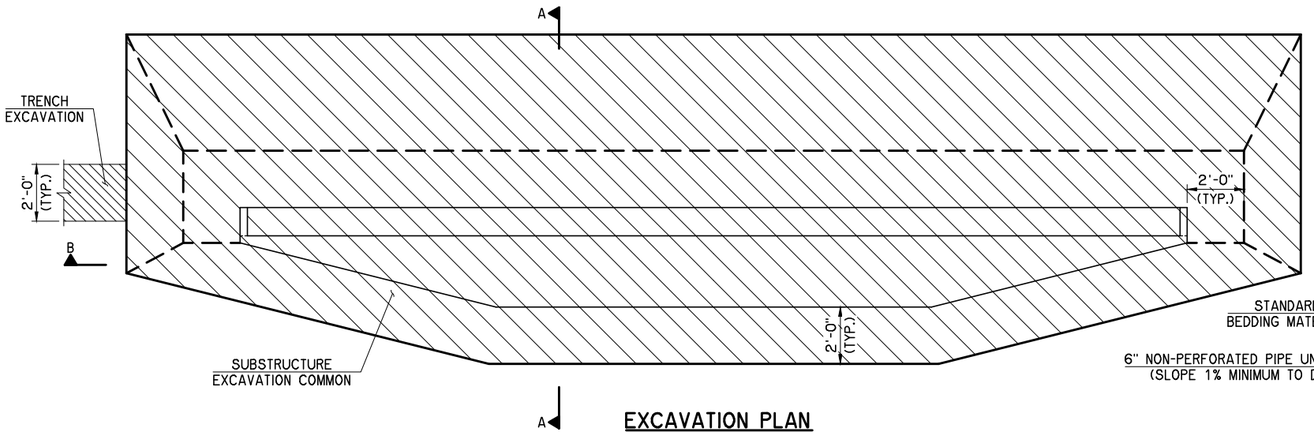
Design	AFW	
Detail	DRB	
Check	AFW	

CEC

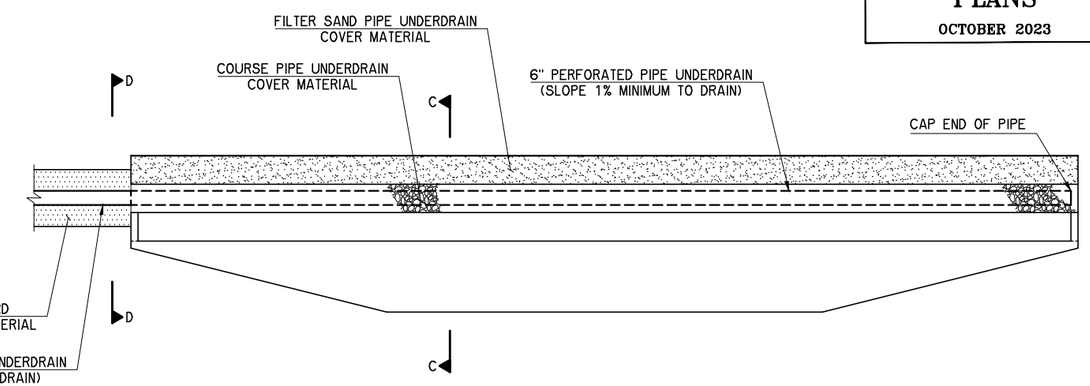
STATE OF OKLAHOMA — DEPARTMENT OF TRANSPORTATION
JOB PIECE NO. 27108(04) — SHEET NO. B011

L:\Active\1454\Drawings\Bridge\Bridge B\B011 Abutment.dwg, 10/10/2023 9:00:19 AM, Deanne Brittian

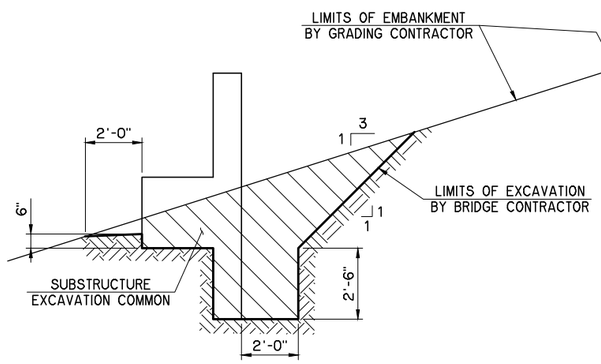
FINAL REVIEW PLANS
OCTOBER 2023



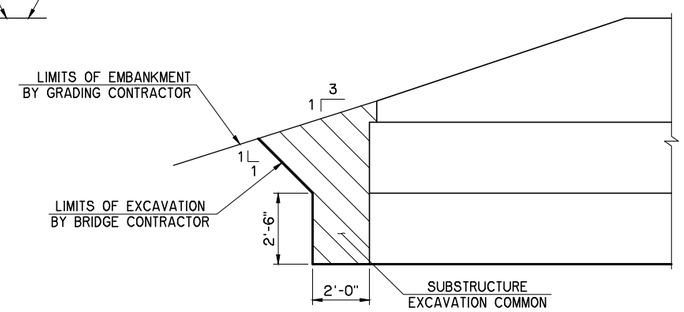
EXCAVATION PLAN



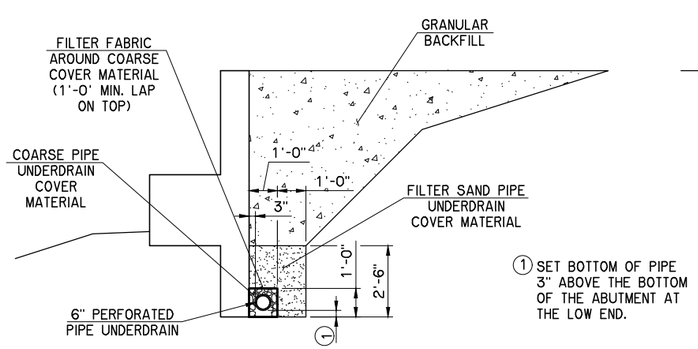
PIPE UNDERDRAIN PLAN



SECTION A-A

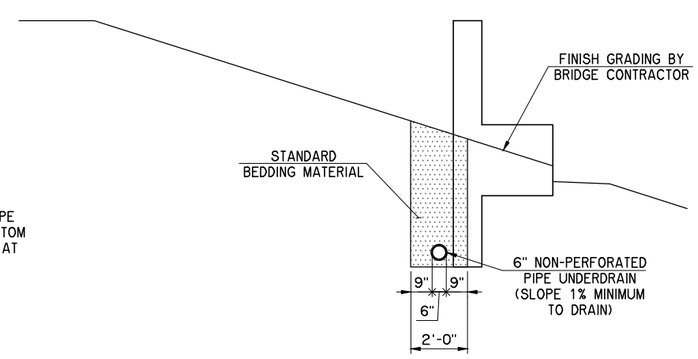


SECTION B



1 SET BOTTOM OF PIPE 3" ABOVE THE BOTTOM OF THE ABUTMENT AT THE LOW END.

SECTION C-C



SECTION D-D

ABUTMENT QUANTITIES

ITEM DESCRIPTION	UNIT	ABUT. NO. 1	ABUT. NO. 2	TOTAL
SUBSTRUCTURE EXCAVATION COMMON	C.Y.	40	40	80
GRANULAR BACKFILL	C.Y.	41	41	82
CLASS A CONCRETE	C.Y.	16.2	16.2	32.4
REINFORCING STEEL	LB.	1,900	1,900	3,800
PILES, FURNISHED (HP 10x42)	L.F.	196	175	371
PILES, DRIVEN (HP 10x42)	L.F.	196	175	371
PILE SPLICE, H-PILE (NON-BIDDABLE)	EA.			1
6" PERFORATED PIPE UNDERDRAIN ROUND	L.F.	34	34	68
6" NON-PERF. PIPE UNDERDRAIN RND.	L.F.	18	18	36

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

CENTENNIAL TRAIL OVER U.S.69 BRIDGE "B" — MUSKOGEE COUNTY

ABUTMENT DETAILS
SHEET 2 OF 2

Design	AFW	
Detail	DRB	
Check	AFW	

CEC

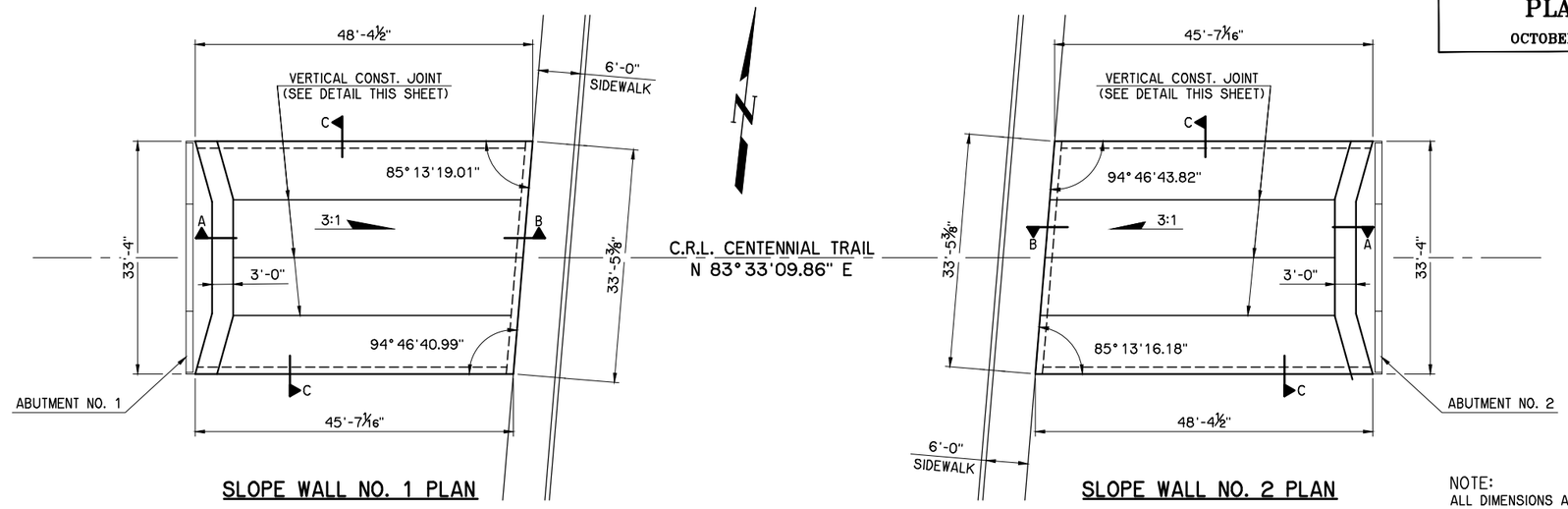
STATE OF OKLAHOMA — DEPARTMENT OF TRANSPORTATION
JOB PIECE NO. 27108(04) — SHEET NO. B012

FINAL REVIEW PLANS
OCTOBER 2023

PRELIM.

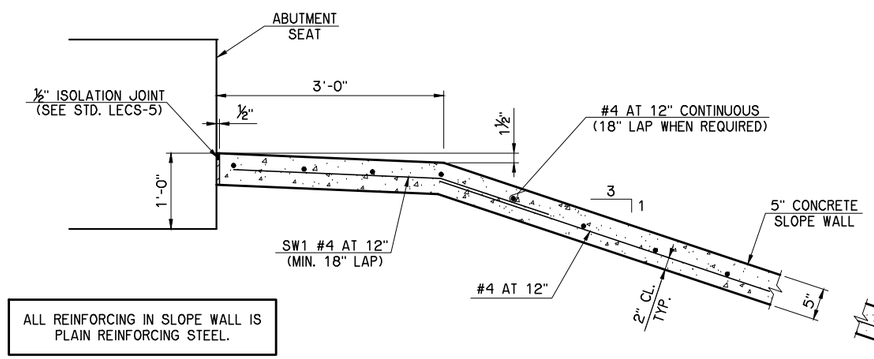
SLOPE WALL QUANTITIES				
ITEM	UNIT	SLOPE WALL NO. 1	SLOPE WALL NO. 2	TOTAL
SLOPE WALL (5")	S.Y.	202	202	404

SLOPE WALL NO. 1 PLAN



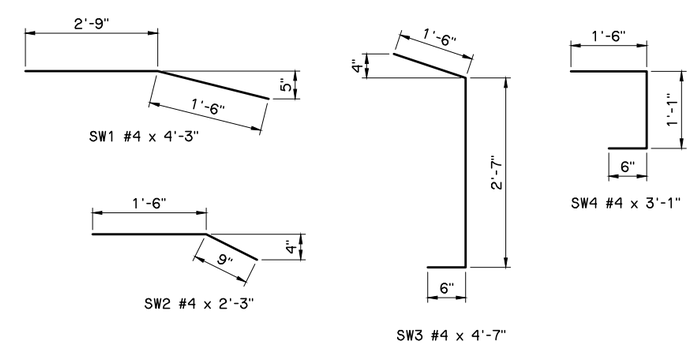
SLOPE WALL NO. 2 PLAN

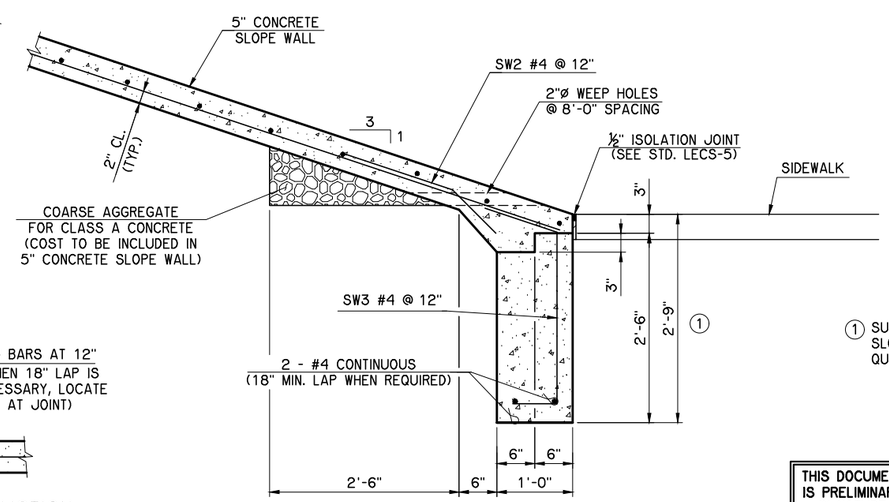
NOTE:
ALL DIMENSIONS ARE PLAN DIMENSIONS.



ALL REINFORCING IN SLOPE WALL IS PLAIN REINFORCING STEEL.

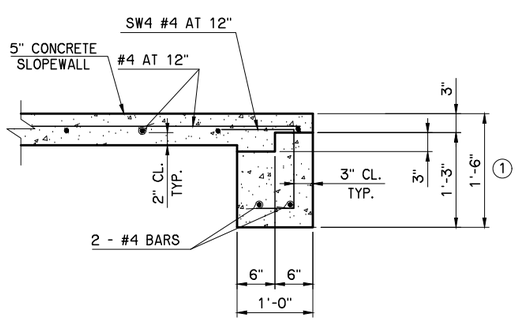
SECTION A



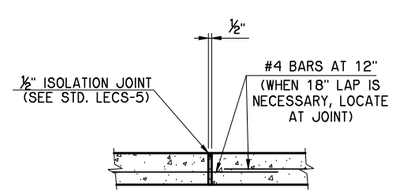


SECTION B

1 SURFACE AREA OF TOE OF SLOPE WALL INCLUDED IN QUANTITY OF "SLOPE WALL (5")".



SECTION C



VERTICAL CONSTRUCTION JOINT DETAIL

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

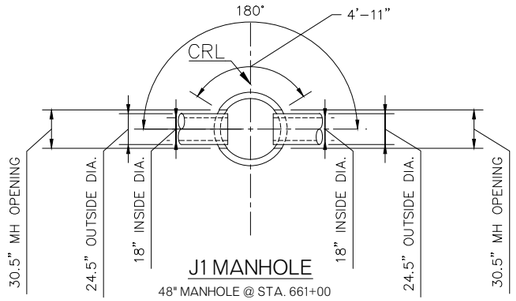
CENTENNIAL TRAIL OVER U.S.69 BRIDGE "B"	MUSKOGEE COUNTY	Design	AFW
SLOPEWALL DETAILS		Detail	DRB
		Check	AFW
		CEC	
STATE OF OKLAHOMA	DEPARTMENT OF TRANSPORTATION		
JOB PIECE NO. 27108(04)		SHEET NO. B013	

L:\Active\14454\Drawings\Bridge\Bridge B\B013 slopewall.dwg, 10/10/2023 9:01:08 AM, Deanne Brittian

OKLAHOMA DEPARTMENT OF TRANSPORTATION

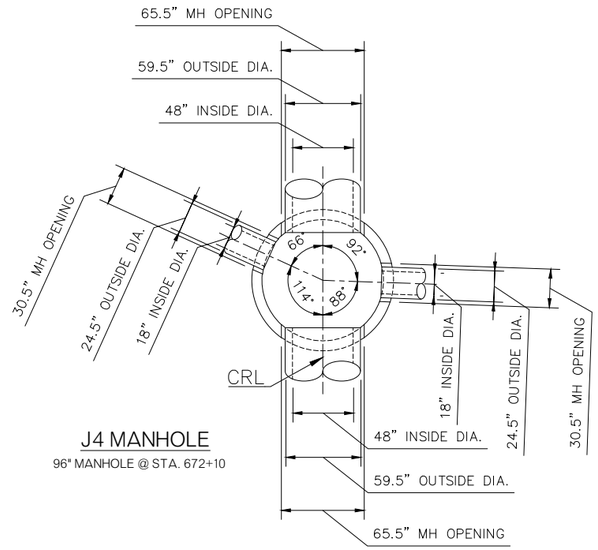
FINAL FIELD MEETING

October 2023



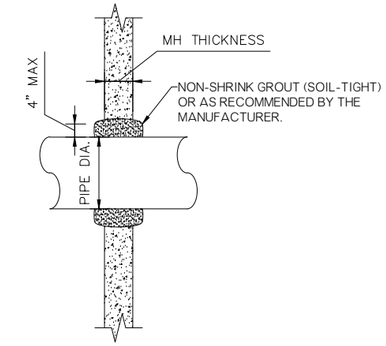
J1 MANHOLE

48" MANHOLE @ STA. 661+00



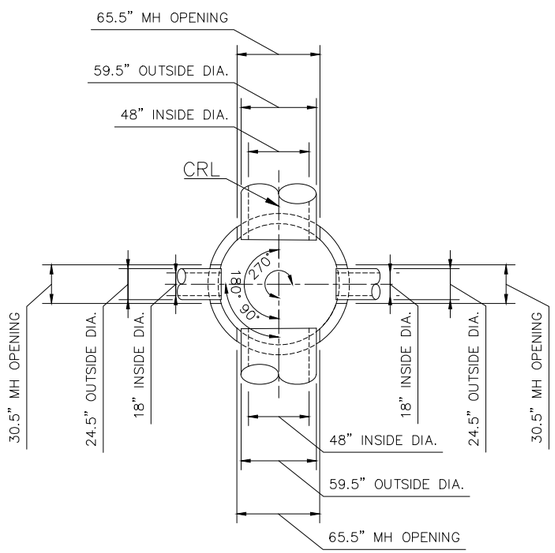
J4 MANHOLE

96" MANHOLE @ STA. 672+10



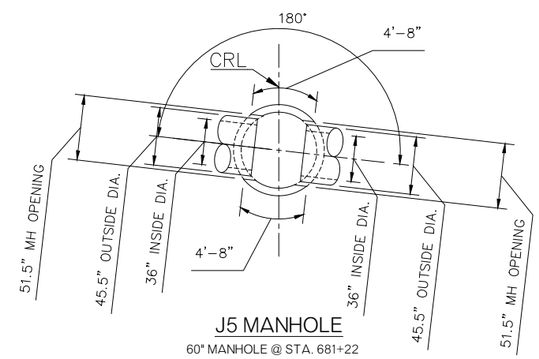
CONNECTION DETAIL

ALTERNATIVELY MANUFACTURER MAY
RECOMMEND OR PROVIDE BOOTS
MEETING ASTM FOR RCP CONNECTION



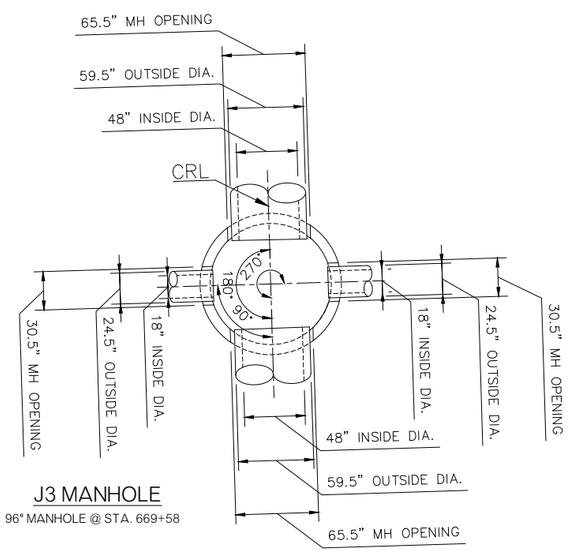
J2 MANHOLE

96" MANHOLE @ STA. 668+05



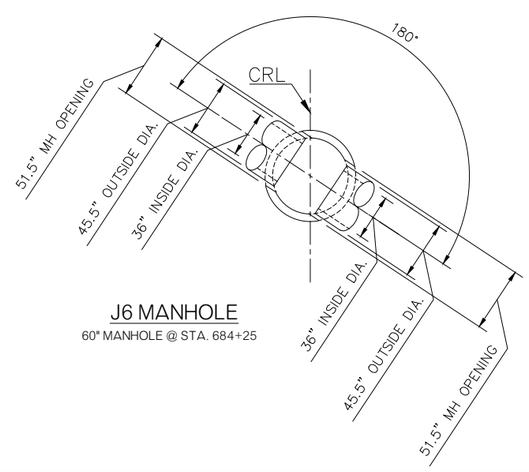
J5 MANHOLE

60" MANHOLE @ STA. 681+22



J3 MANHOLE

96" MANHOLE @ STA. 669+58



J6 MANHOLE

60" MANHOLE @ STA. 684+25

NOTE: SEE P&P SHEETS FOR FL AND TOP OF GRATE ELEVATIONS.

U.S. HIGHWAY 69

MANHOLE DETAILS

PRINTED: November 30, 2023

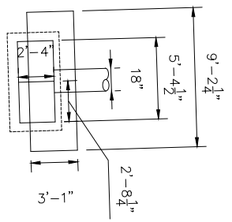
MUSKOGEE COUNTY PROJECT NO. 27108(04) SHEET NO. R001

HUB Engineers
Time of Plot: 11/30/2023 1:36 PM Plot Style: ODOT2021.CTB
G:\2014\14ODOTUS69\DESIGN\Production Plans\27108_DRAINAGE DETAILS.dwg

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

October 2023



STR. NO. 1

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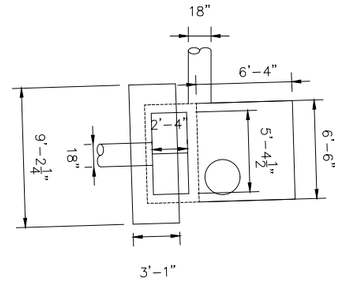

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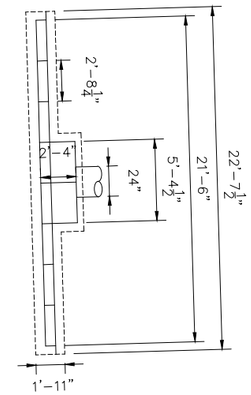

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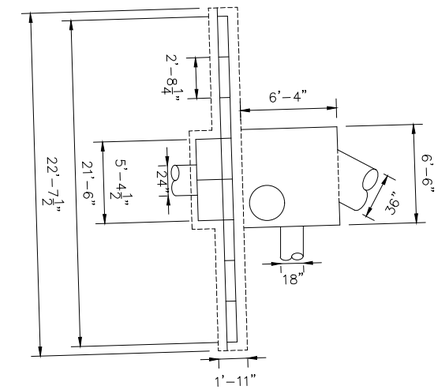

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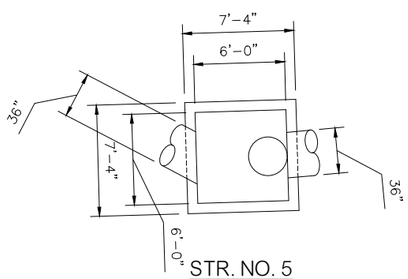

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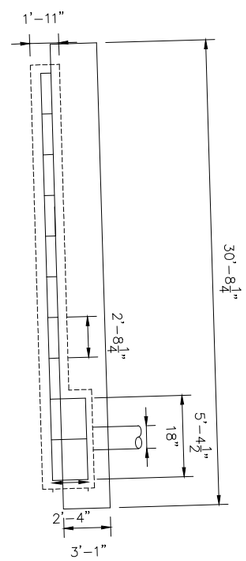

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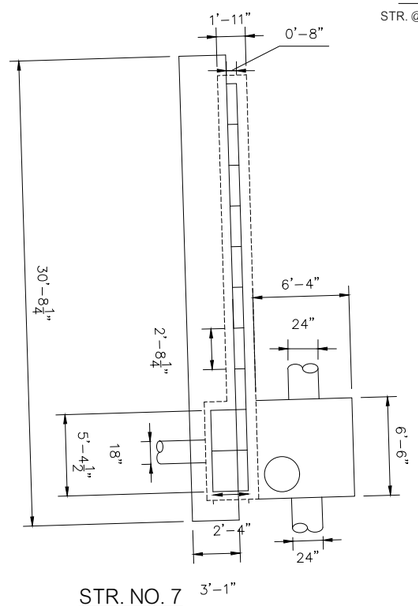

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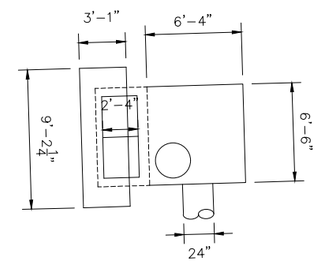

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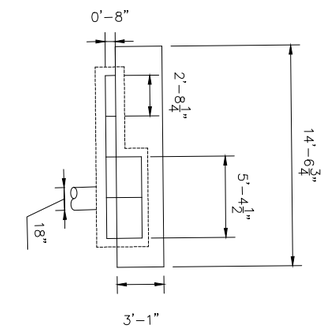

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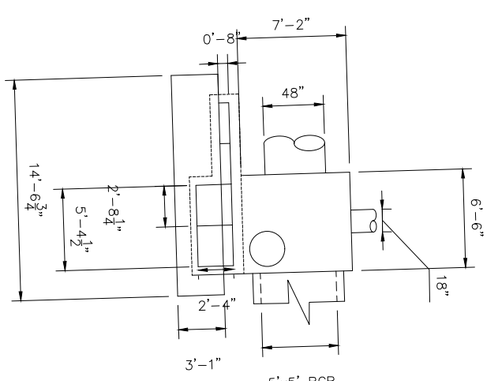

STR. NO. 10

STR. @ STA. 664+93 RT

NOTE: SEE P&P SHEETS FOR FL AND TOP OF GRATE ELEVATIONS.

U.S. HIGHWAY 69

DRAINAGE DETAILS (1 OF 6)

PRINTED: November 30, 2023

MUSKOGEE COUNTY PROJECT NO. 27108(04) SHEET NO. R002

HUB Engineers
Time of Plot: 11/30/2023 1:36 PM Plot Style: ODOT2021.CTB
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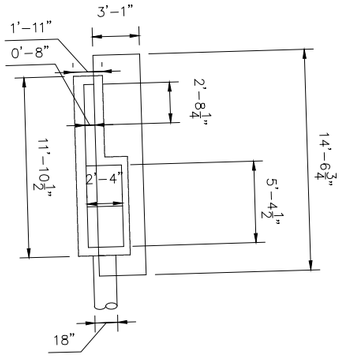
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

October 2023



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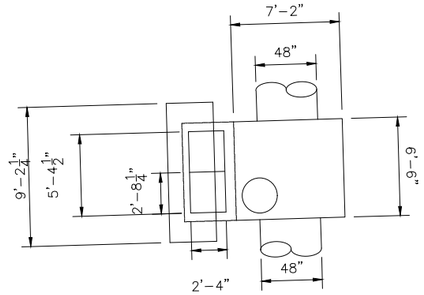

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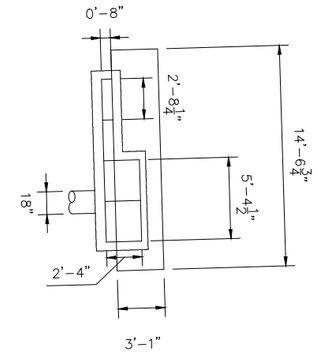

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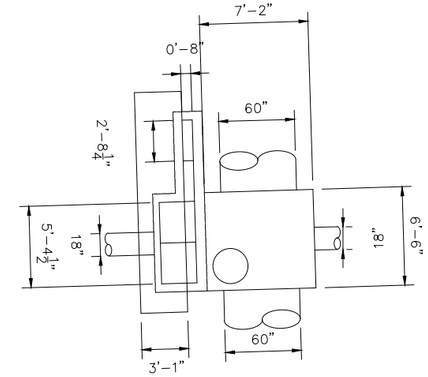

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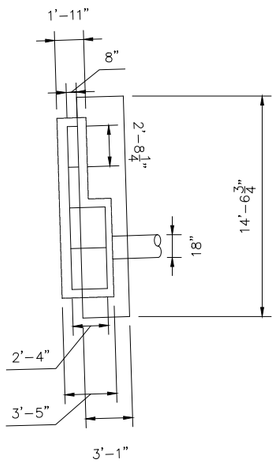

STR. NO. 15

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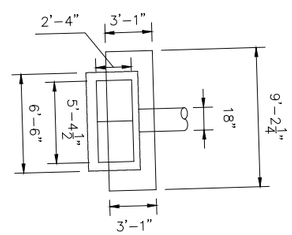

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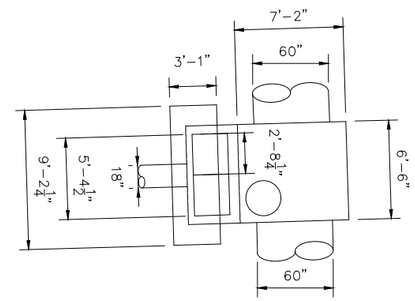
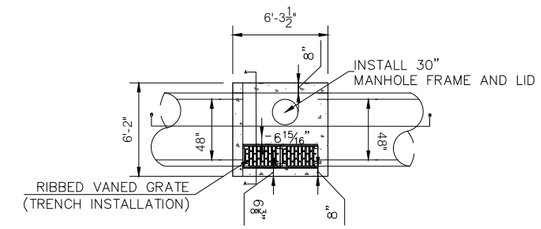
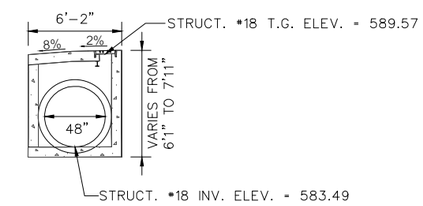


STR. NO. 17

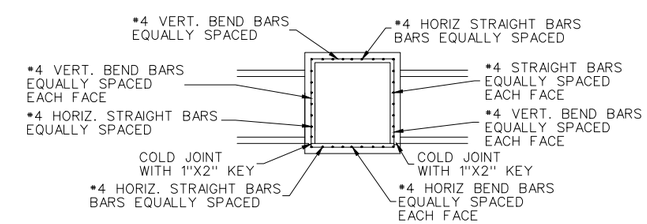
STR. @ STA. 669+48 RT



TOP VIEW



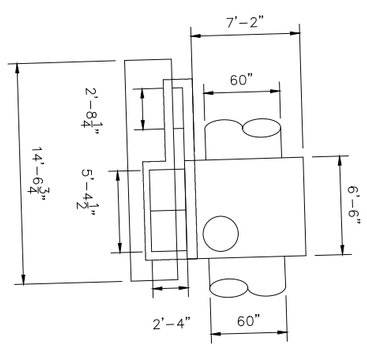
SECTION A-A



SECTION B-B

STR. NO. 18

STR. @ STA. 669+72 RT



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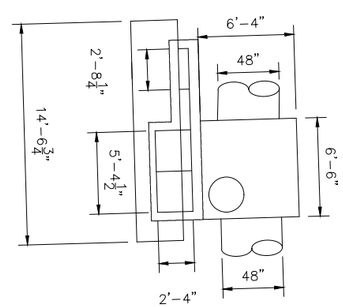

STR. NO. 20

STR. @ STA. 671+25 RT

NOTE: SEE P&P SHEETS FOR FL AND TOP OF GRATE ELEVATIONS.

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U.S. HIGHWAY 69

DRAINAGE DETAILS (2 OF 6)

MUSKOGEE COUNTY PROJECT NO. 27108(04) SHEET NO. R003

HUB Engineers
Time of Plot: 11/30/2023 3:15 PM Plot Style: ODOT2021.CTB
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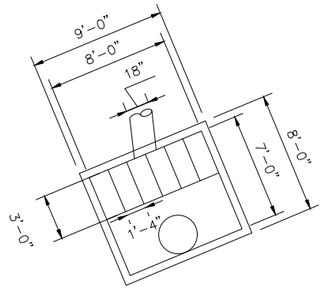
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

October 2023



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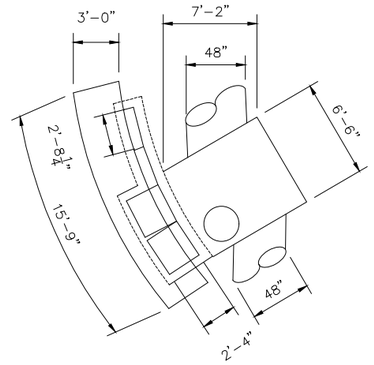
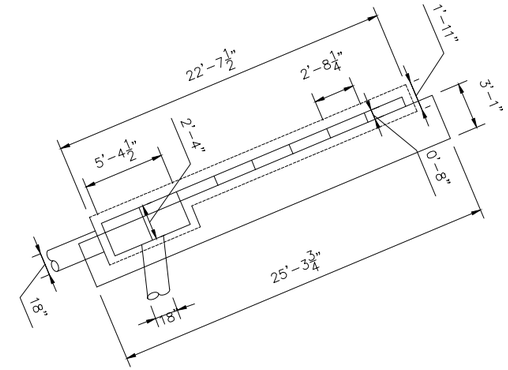


STR. NO. 22

STR. @ STA. 672+31 RT



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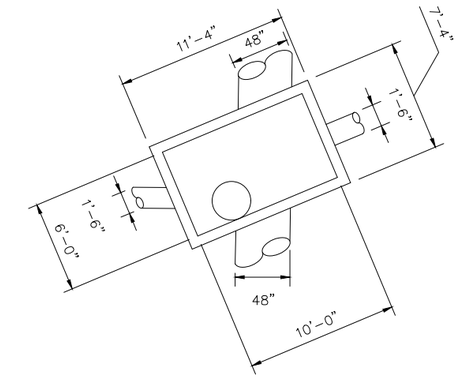
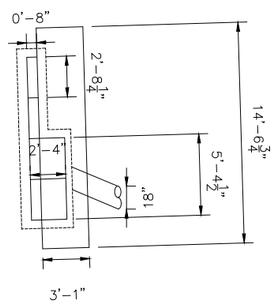
STR. @ STA. 672+21 RT



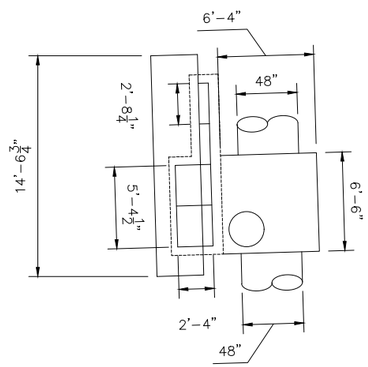
STR. NO. J23

STR. @ STA. 668+05 RT



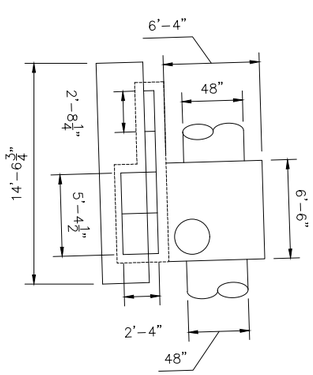
STR. NO. 24

STR. @ STA. 672+30 LT



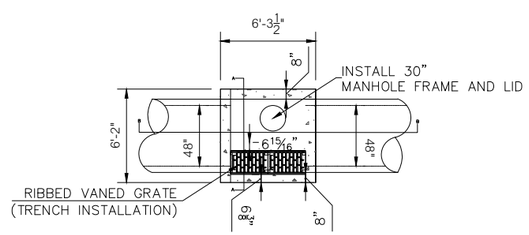
STR. NO. 25

STR. @ STA. 673+88 RT



STR. NO. 27

STR. @ STA. 677+09 RT



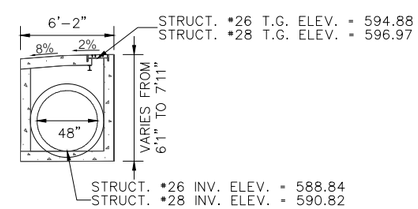
TOP VIEW

STR. NO. 26

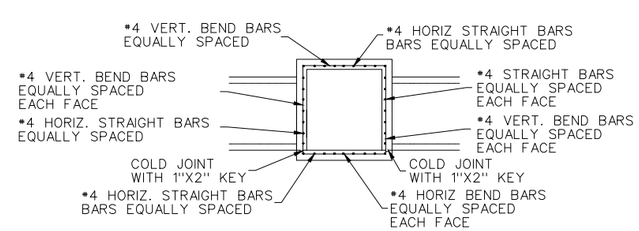
STR. @ STA. 675+04 RT

STR. NO. 28

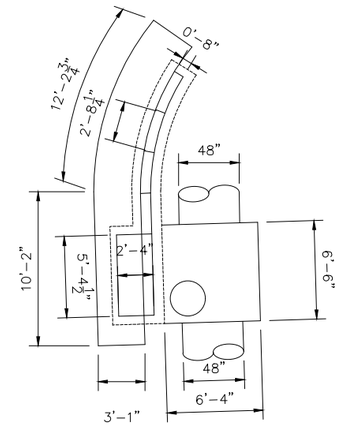
STR. @ STA. 677+65 RT



SECTION A-A



SECTION B-B



STR. NO. 29

STR. @ STA. 679+12 RT

NOTE: SEE P&P SHEETS FOR ℄ AND TOP OF GRATE ELEVATIONS.

HUB Engineers
Time of Plot: 11/30/2023 1:39 PM Plot Style: ODOT2021.CTB
G:\2014\14ODOTUS69\DESIGN\Production Plans\27108_DRAINAGE DETAILS.dwg

PRINTED: November 30, 2023

U.S. HIGHWAY 69

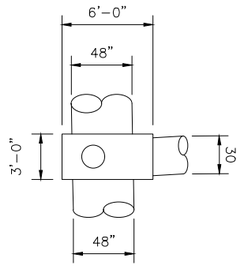
DRAINAGE DETAILS (3 OF 6)

MUSKOGEE COUNTY PROJECT NO. 27108(04) SHEET NO. R004

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

October 2023



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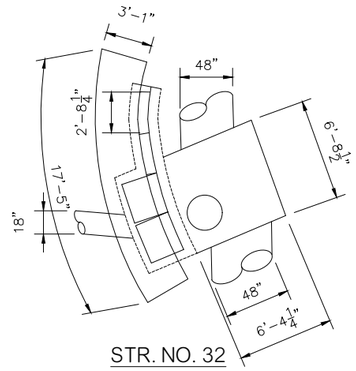
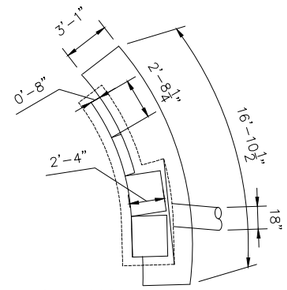
STR. @ STA. 680+74 RT



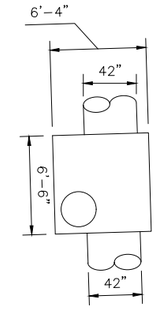
STR. NO. 32

STR. @ STA. 681+17 RT



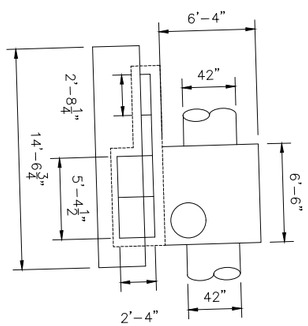
STR. NO. 33

STR. @ STA. 681+27 LT



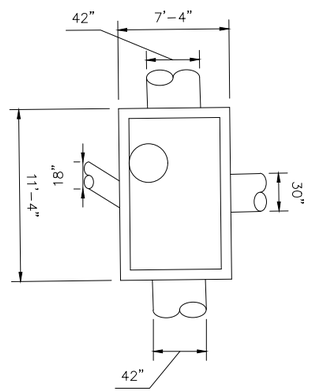
STR. NO. -

STR. @ STA. 682+40 RT



STR. NO. 34

STR. @ STA. 683+46 RT



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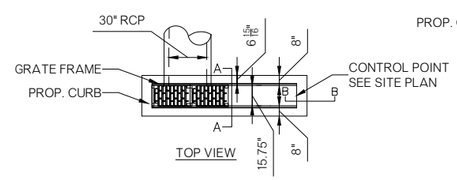
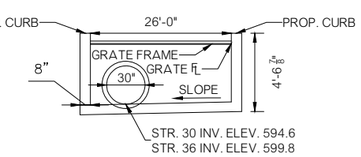
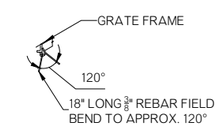
STR. @ STA. 683+95 RT



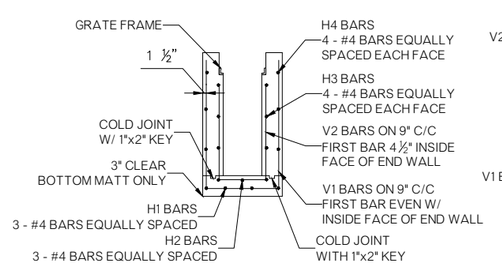


ELEVATION VIEW

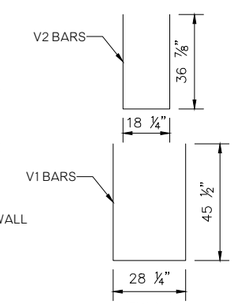
NOTE: BOTTOM SLAB SHALL BE CAST MONOLITHICALLY



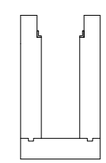
FRAME GRATE ANCHOR



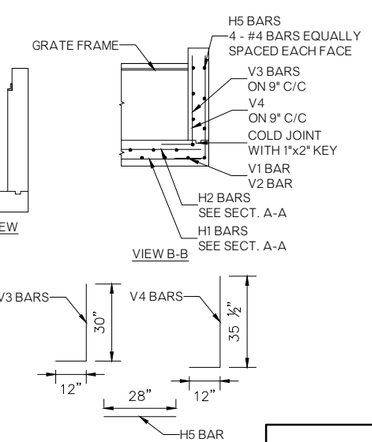
VIEW A-A



VIEW A-A
BAR DETAIL



END VIEW



VIEW B-B

VIEW B-B
BAR DETAIL

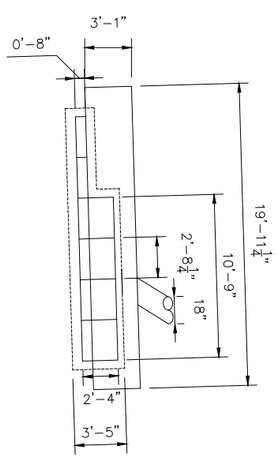
NOTE: SEE P&P SHEETS FOR FL AND TOP OF GRATE ELEVATIONS.

STR. NO. 30

STR. @ STA. 680+86 RT

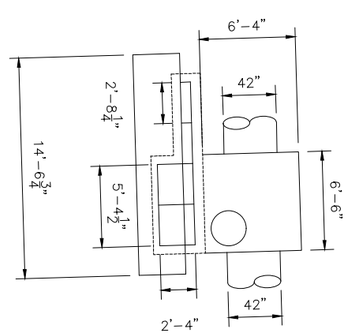
STR. NO. 36

STR. @ STA. 684+07 RT



STR. NO. 37

STR. @ STA. 670+11 RT



STR. NO. 38

STR. @ STA. 686+67 RT

HUB Engineers
Time of Plot: 11/30/2023 1:39 PM Plot Style: ODOT2021.CTB
G:\2014\140DOTU569\DESIGN\Production Plans\27108_DRAINAGE DETAILS.dwg

PRINTED: November 30, 2023

U.S. HIGHWAY 69

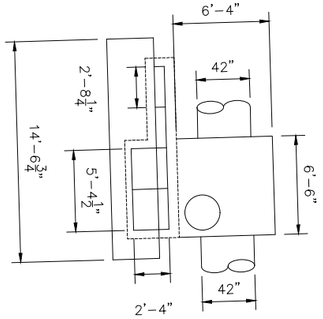
DRAINAGE DETAILS (4 OF 6)

MUSKOGEE COUNTY PROJECT NO. 27108(04) SHEET NO. R005

OKLAHOMA DEPARTMENT OF TRANSPORTATION

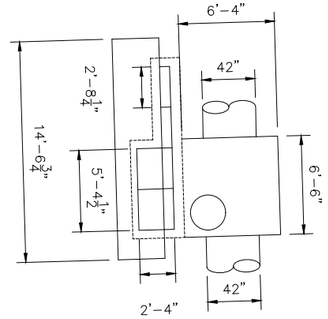
FINAL FIELD MEETING

October 2023



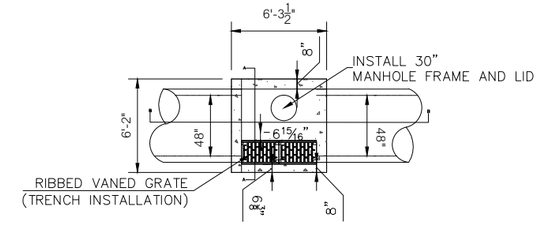
STR. NO. 39

STR. @ STA. 688+38 RT

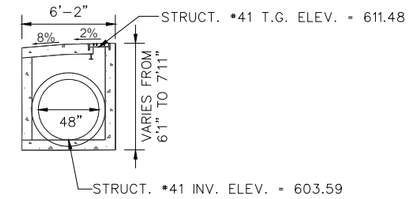


STR. NO. 40

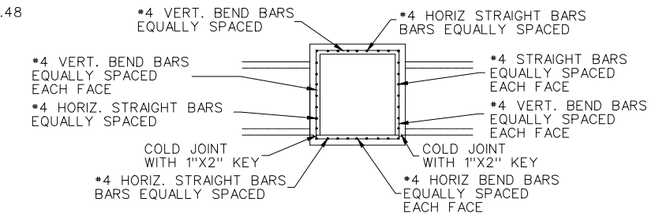
STR. @ STA. 689+84 RT



TOP VIEW



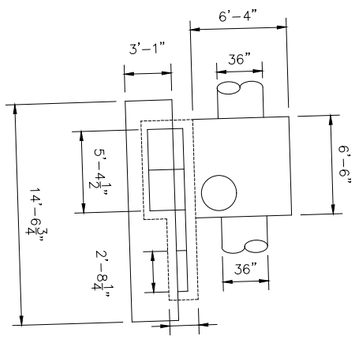
SECTION A-A



SECTION B-B

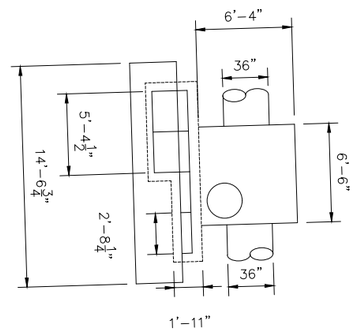
STR. NO. 41

STR. @ STA. 691+95 RT



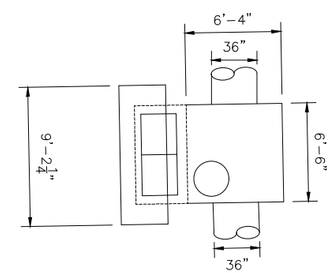
STR. NO. 42

STR. @ STA. 692+76 RT



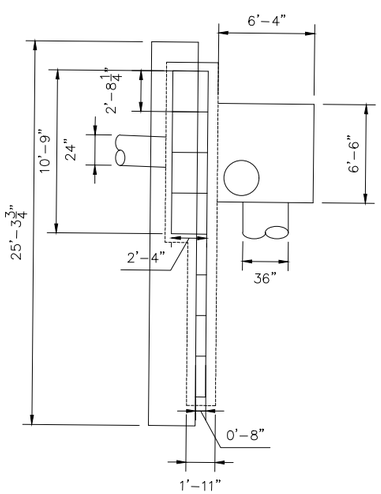
STR. NO. 43

STR. @ STA. 693+80 RT



STR. NO. 44

STR. @ STA. 694+84 RT



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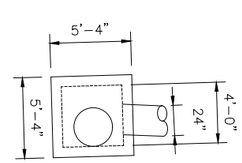
STR. @ STA. 695+83 RT



STR. NO. J45

STR. @ STA. 695+87 RT

NOTE: SEE P&P SHEETS FOR ℄ AND TOP OF GRATE ELEVATIONS.

U.S. HIGHWAY 69

DRAINAGE DETAILS (5 OF 6)

PRINTED: November 30, 2023

MUSKOGEE COUNTY PROJECT NO. 27108(04) SHEET NO. R006

HUB Engineers
Time of Plot: 11/30/2023 1:40 PM Plot Style: ODOT2021.CTB
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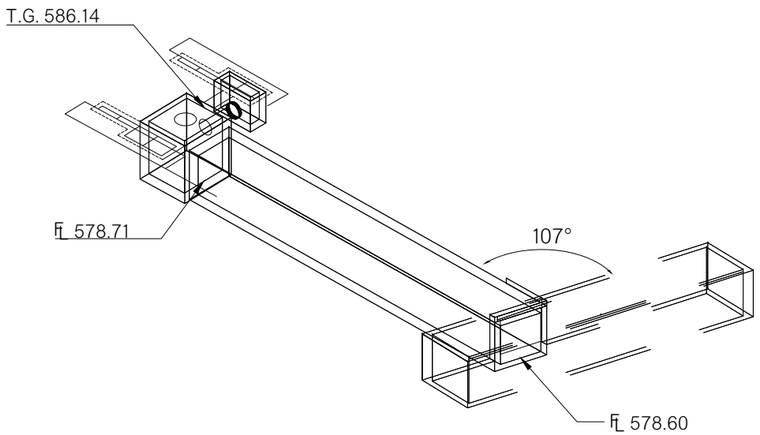
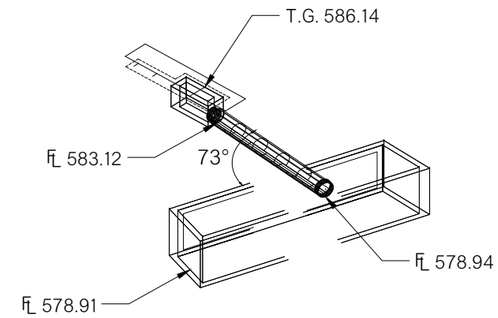
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

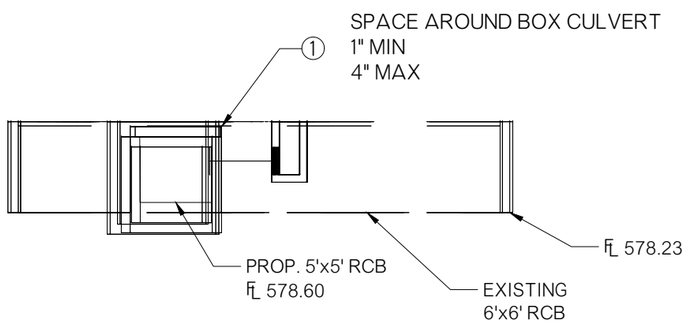
October 2023



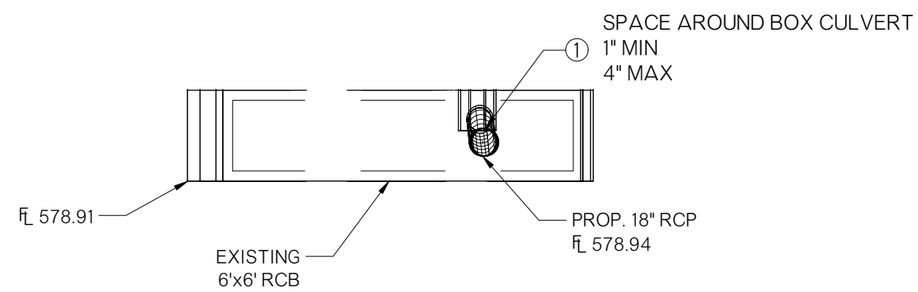
STR. NO. 10A ISO. VIEW



STR. NO. 11 ISO. VIEW



STR. NO. 10A FRONT VIEW



STR. NO. 11 FRONT VIEW

1 COMPLETELY FILL THE VOID BETWEEN THE PROPOSED STRUCTURE AND THE CONNECTING EXISTING STRUCTURE (PIPE/BOX) WITH CEMENTITIOUS GROUT AND MORTAR.

NOTE: SEE P&P SHEETS FOR FL AND TOP OF GRATE ELEVATIONS.

U.S. HIGHWAY 69

DRAINAGE DETAILS (6 OF 6)

PRINTED: November 30, 2023

MUSKOGEE COUNTY PROJECT NO. 27108(04) SHEET NO. R007

OKLAHOMA DEPARTMENT OF TRANSPORTATION

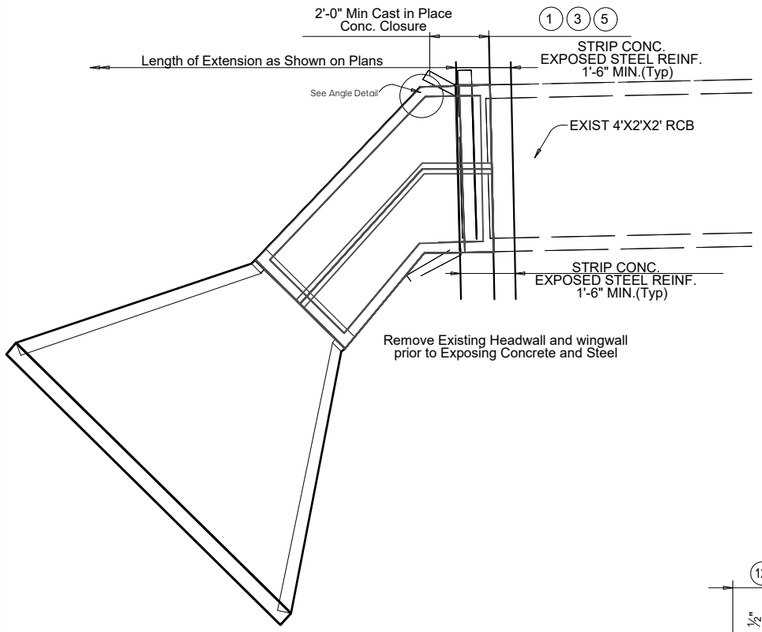
THIS DOCUMENT IS PRELIMINARY IN NATURE AND IS NOT A FINAL, SIGNED AND SEALED DOCUMENT.

8/29/23

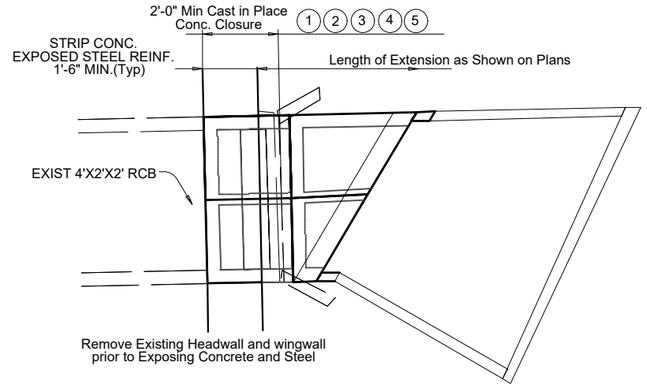
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

8/29/23



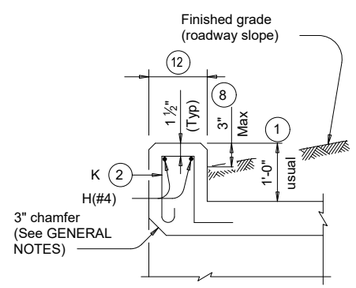
EXTENSION OF EXIST. RCB



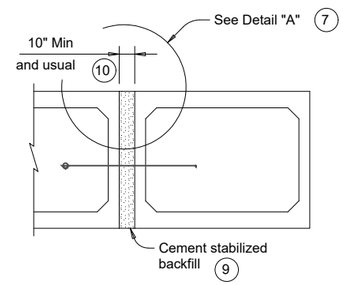
EXTENSION OF EXIST. RCB 30 DEG.

1. Extend curb, wingwall, or safety end treatment reinforcing into concrete closure. Bend or trim, as necessary, any reinforcing that does not fit into closure area.
2. Provide a 2'-0" Min cast-in-place concrete closure. Break back boxes in the field or cast boxes short. Provide bands of reinforcing in the closure that are the same size and spacing as in the exist. precast box section. Provide #4 longitudinal reinforcement spaced at 12 inches Max within the closure. Except where shown otherwise, construct the cast-in-place closure flush with the inside and outside faces of the precast box section.
3. For multiple unit placements, adjust the length of the closure for the interior walls as necessary. Provide a 2'-0" Min cast-in-place closure in the top slab, bottom slab, and exterior wall. See Section B-B detail when interior walls are cast full length.
4. Extend precast box reinforcing a minimum of 1'-0" into concrete closure (Typ).
5. Place bands of reinforcing matching the inside and outside face reinforcing in the gaps of the top and bottom slabs. Place a band matching the outside face reinforcing of the wall in the gaps of the walls (placed in the outside face only). Tack weld the bands to the exposed reinforcing at each point of contact.
6. For vehicle safety, the following requirements must be met:
   - For structures without bridge rail, construct curbs no more than 12" above finished grade.
   - For structures with bridge rail, construct curbs flush with finished grade.

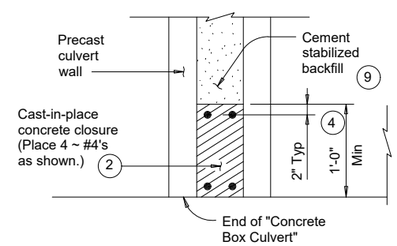
   Reduce curb heights, if necessary, to meet the above requirements. No changes will be made in quantities and no additional compensation will be allowed for this work.
7. Cement stabilized backfill between boxes is considered part of the box culvert for payment.
8. All curb concrete and reinforcing is considered part of the box culvert for payment.
9. Any additional concrete and reinforcing required for the closures will be considered subsidiary to the box culvert for payment. 1'-6" typical exposure of conc and steel. For multiple unit placement, provide wall closure as shown in Detail "A".
10. This dimension may be increased with approval of the Engineer to allow the precast boxes to be tunneled or jacked in accordance with Item 476, "Jacking, Boring, or Tunneling Pipe or Box." No payment will be made for any additional material in the gap between adjacent boxes.



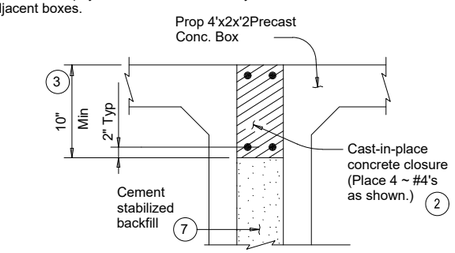
SECTION THRU CURB



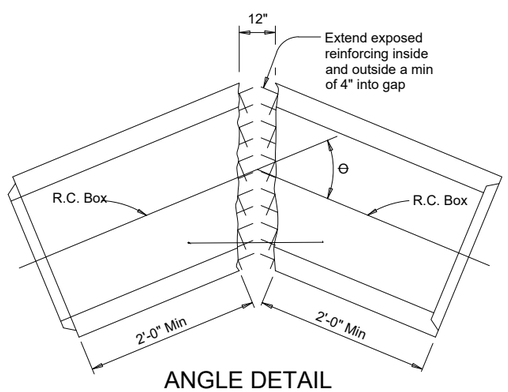
MULTIPLE UNIT PLACEMENT



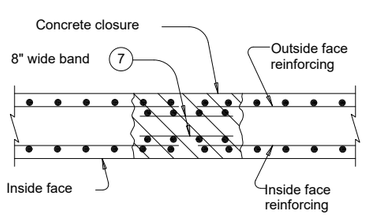
SECTION B-B



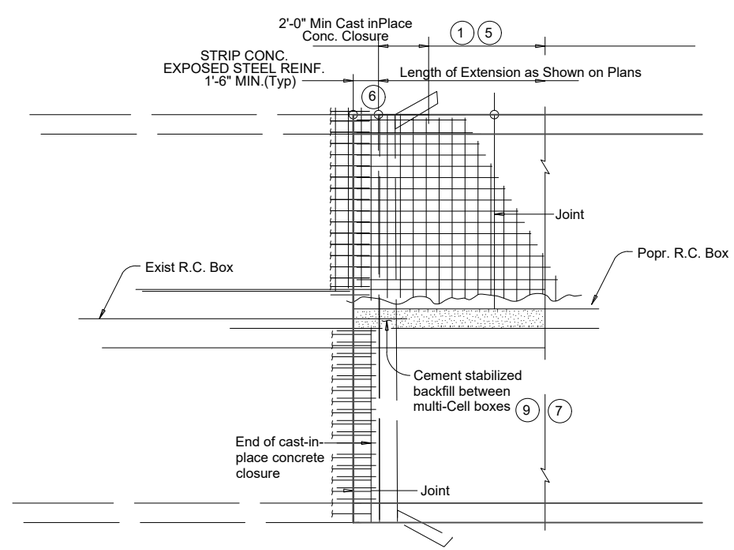
DETAIL "A" 9



ANGLE DETAIL



SECTION A-A



PLAN OF EXTENSION OF EXIST. RCB

QUANTITIES FOR 4'X2'X2' RCB EXTENSION 8	
Reinforcing Steel for Barrel Cell	132.3 lbs/ft
Concrete for Barrel Cell	0.96 cy/ft
Reinforcing Steel for end section	2890 Lb
Concrete for end section	18.00 CY
Reinforcing Steel for Curtain Wall	760.0 lbs
Concrete for Curtain Wall	5.90 cy

MATERIAL NOTES:

Provide Grade 60 reinforcing steel.
Provide ASTM A1064 welded wire reinforcement.
Provide Class "C" concrete (f'c = 3.65 ksi) for the closures.
Provide cement stabilized backfill meeting the requirements of "Excavation and Backfill for Structures."
Any additional concrete required for the closures will be considered subsidiary to the box culvert.

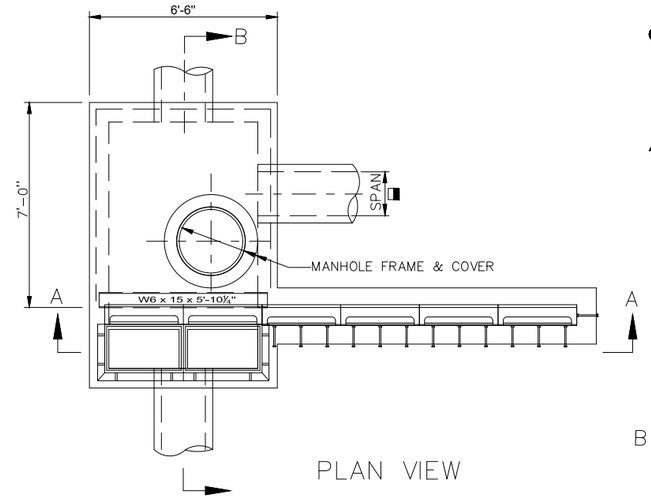
GENERAL NOTES:

Designed according to AASHTO LRFD Bridge Design Specifications.
Refer to the DOUBLE CELL RCB STANDARDS FOR Box Culverts Precast (SCP) standard sheets for details and notes not shown.
Chamfer the bottom edge of the top slab closure 3 inches at culvert closure ends.

DESIGN	WS	12/19	OKLAHOMA DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION
DRAWN	AJ	12/19	BOX EXTENSION DETAILS PRECAST OR CAST IN PLACE MISCELLANEOUS DETAILS
CHECKED	WS	12/19	
APPROVED			
SQUAD	hub ENGINEERS		

COUNTY MUSKOGEE HIGHWAY U.S.-69 STATE JOB NO. 27108(04) SHEET NO. R008

HUB Engineers
Time of Plot: 11/21/2023 4:01 PM Plot Style: --HUB--HALF.CTB
G:\2014\1400010\569\DESIGN\Production Plans\27108_4x2x2 RCB MiscDetails.dwg

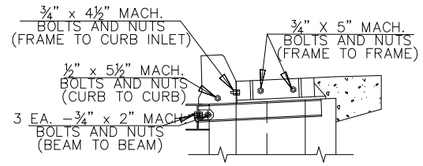


PLAN VIEW

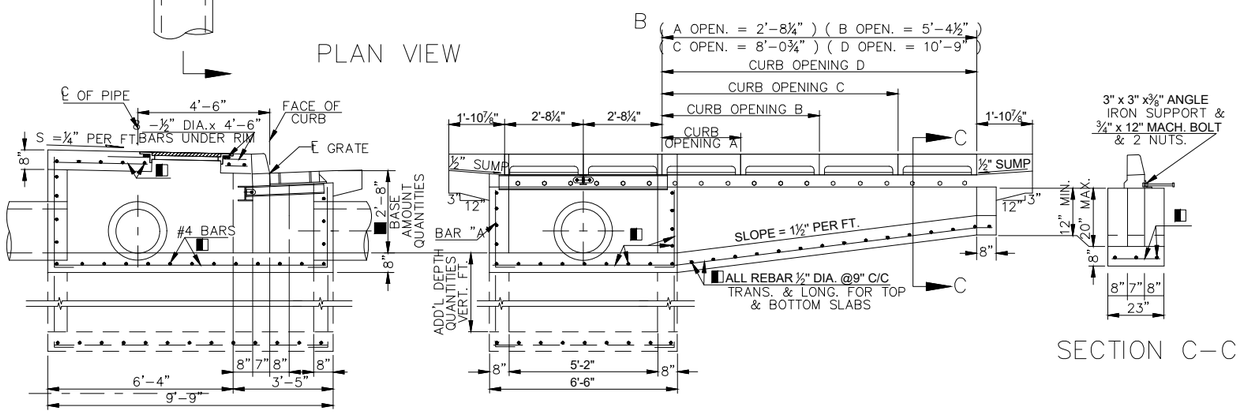
- QUANTITIES SHOWN INCLUDE QUANTITIES REQUIRED TO CONSTRUCT GRATED CURB INLET AND ADDITIONAL CURB OPENINGS. INLET QUANTITIES FOR DEPTHS GREATER THAN 2'-8" (FL GRATE TO FL INLET) WILL BE MULTIPLIED BE THE ADD'L CU. YD. PER VERT. FT. AMOUNT AND ADDED TO THE BASE AMOUNT. LEADS LARGER THAN 18" TO BE DEDUCTED FROM INLET QUANTITIES.

▲ QUANTITIES SHOWN ARE FOR 2 DOUBLE GRATE INLETS.

FOR DOUBLE GRATE INLET W/ JUNCTION BOX
ALL REBARS IN WALL SHALL BE #4 @ 12" C/C EACH WAY



DOUBLE GRATE BEAM SUPPORT DETAIL

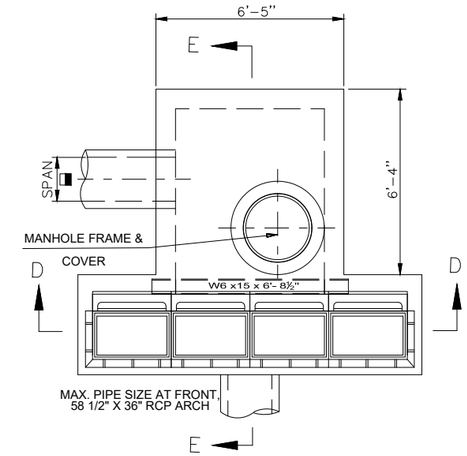


SECTION B–B

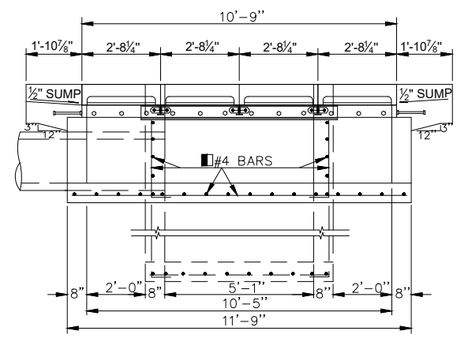
SECTION A–A

SECTION C–C

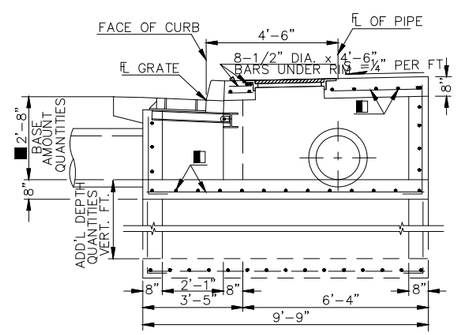
DESIGN 2 – DOUBLE GRATE



DESIGN 3 MULTI GRATE PLAN VIEW

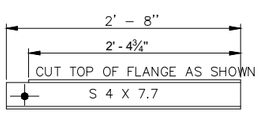


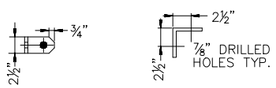
SECTION D–D



SECTION E–E

DESIGN 3 - MULTI GRATE SECTIONS

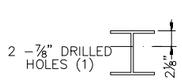




4" x 4" x ⅜" x 2 ½" CONNECTION CLIPS

1 – S 4 x 7.7 and 2 – 4" x 4" x ⅜" x 2½ CONNECTION CLIPS FOR AND DES. 2 CONFIGURATION

3 – S 4 x 7.7 and 6 – 4" x 4" x ⅜" x 2½ CONNECTION CLIPS FOR ANY DES. 3 CONFIGURATION



W6 x 15 x 5'-10 1/4" FOR ANY DES. 2 CONFIGURATION
W6 x 15 x 6'-8 1/2" FOR ANY DES. 3 CONFIGURATION

(1) LOWER DRILLED HOLES 3/8" WHEN STRUCTURE IS BUILT ON A CURVED CURB. FOR PLATE DETAILS, SEE ROADWAY STD. SSIF-2

ALL REBAR 1/2" DIA. @ 9" C/C TRANS. AND LONG. FOR TOP AND BOTTOM SLABS

STANDARD INLET DEPTH	
INLET W/ SMALL JUNCTION BOX	2'-8" FOR 18" R.C.P. & 28 1/2" x 18" REINF. CONC. ARCH PIPE 3'-2" FOR 24" R.C.P. & 36 1/4" x 22 1/2" REINF. CONC. ARCH PIPE 3'-8" FOR 30" R.C.P. & 43 3/4" x 26 5/8" REINF. CONC. ARCH PIPE 4'-2" FOR 36" R.C.P. & 58 1/2" x 36" REINF. CONC. ARCH PIPE
W/ LARGE JUNC. BOX	4'-8" FOR 42" R.C.P. 5'-2" FOR 48" R.C.P.
⬓ MAX. PIPE SIZE AT UPSTREAM SIDE OR WITH ADDITIONAL CURB OPENINGS, 58 1/2" X 36" R.C.P. ARCH	

QUANTITIES (FOR 18" RCP MIN. DEPTH)

INLET DESIGN	CURB OPEN DESIGNATION	CLASS "A" CONCRETE BASE AMOUNT C.Y.	CLASS "A" CONCRETE ADD'L CY PER VERT. FT. C.Y.	REINF. STEEL LBS.	STR. EXC. C.Y.	INLET FRAME & GRATE EACH	CAST IRON CURB INLET EACH	ANGLE IRON NO.	ANGLE IRON LENGTH	
2		4.45	0.73	213.60	2.32	2	2			
2	A	4.85	0.87	227.07	2.52	2	3	1	2'–5⅜"	
2	B	5.20	1.01	240.25	2.71	2	4	1	5'–1⅝"	
2	C	5.51	1.14	251.48	2.90	2	5	1	7'–9⅞"	
2	D	5.83	1.27	264.66	3.09	2	6	1	10'–6⅛"	
2	2A	5.26	1.00	240.54	2.72	2	4	2	2'–5⅜" 2'–5⅜"	2'–5⅜" 2'–5⅜"
2	A–B	5.61	1.14	253.72	2.91	2	5	2	5'–1⅝" 5'–1⅝"	5'–1⅝" 5'–1⅝"
2	A–C	5.92	1.27	264.95	3.10	2	6	2	7'–9⅞" 7'–9⅞"	7'–9⅞" 7'–9⅞"
2	2B	5.96	1.28	266.90	3.10	2	6	2	10'–6⅛" 10'–6⅛"	10'–6⅛" 10'–6⅛"
2	B–C	6.27	1.41	278.13	3.29	2	7	2		
2	B–D	6.59	1.54	291.31	3.48	2	8	2		
2	2D	7.22	1.80	315.72	3.86	2	10	2		
▲ 3		5.81	1.10	247.14	2.99	4	4		5'–1⅝"	
▲ 3	B	6.57	1.38	290.12	3.38	4	6	1	10'–6⅛"	
▲ 3	D	7.20	1.64	318.12	3.76	4	8	1	5'–1⅝"	
▲ 3	2–B	7.33	1.66	333.10	3.77	4	8	2	5'–1⅝" 10'–6⅛"	5'–1⅝" 10'–6⅛"
▲ 3	B–D	7.96	1.92	361.10	4.15	4	10	2		10'–6⅛"
▲ 3	2–D	8.59	2.18	389.10	4.53	4	12	2		

OKLAHOMA DEPARTMENT OF TRANSPORTATION

THIS DOCUMENT IS PRELIMINARY IN NATURE AND IS NOT A FINAL, SIGNED AND SEALED DOCUMENT.
8/29/23

OKLAHOMA DEPARTMENT OF TRANSPORTATION

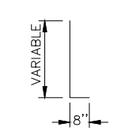
FINAL FIELD MEETING
8/29/23

GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 2019 ODOT STANDARD SPECIFICATIONS.
2. ROADWAY STANDARD SSIF-5 FRAMES AND STANDARD CIG-4 GRATES SHALL BE USED WITH THESE INLETS UNLESS OTHERWISE SPECIFIED. COST OF THE FRAMES, GRATES AND HOODS SHALL BE INCLUDED IN THE COST OF THE CURB INLET.
3. WHEN THE INLET IS BUil T IN NEW CONCRETE PAVEMENT, THE APRON AROUND THE INLET MAY BE BUILT INTEGRAL WITH PAVEMENT OR MAY BE SEPARATE AND OF THE SIZE AS SHOWN. THE THICKNESS SHALL BE THE SAME AS THE CONCRETE PAVEMENT OR CURB AND GUTTER. IF CONSTRUCTED IN ANY OTHER AREA OR IN EXISTING PAVEMENT, THE APRON AROUND THE INLET SHALL BE THE SIZE AS SHOWN AND BUil T OF P.C. CONCRETE TO A MINIMUM 8 INCH THICKNESS.
4. THERE WILL BE NO DEDUCTION OF PAYMENT FOR CONCRETE CURB AND GUTTER OR P.C. CONRETE THROUGH THE EXTENTS OF THE INLET HOODS. DEDUCTION WILL BE MADE FOR THE PAYMENT OF INTEGRAL CURB THROUGH THE EXTENTS OF THE INLET HOODS.
5. ALL LETTERING TO BE RECESSED) 1/16 INCH AND SHALL NOT EXCEED ONE (1) INCH IN HEIGHT. INFORMATION REQUIRED AS WELL AS ACCEPTABLE LOCATION SHALL BE AS STATED IN THE SPECIFICATIONS. LOCATION OF LETTERING TO BE AS SHOWN, WITH ADDITIONAL IDENTIFICATION LETTERING AT OTHER LOCATIONS PERMITTED.
6. CAST-IN-PLACE CONCRETE WALLS MEETING MIX REQUIREMENTS OF CLASS A CONCRETE MAY BE BUil T IN LIEU OF THE BRICK MASONRY TO THE SAME DIMENSIONS AS SHOWN. NO. 4 REINFORCING STEEL BARS SPACED 30" VERTICALLY AND 12" HORIZONTALLY WILL BE REQUIRED FOR ALL CAST-IN-PLACE INLET WALLS EXCEEDING 5 FEET IN DEPTH (GUTTER ELEVATION TO THE FLOWLINE ELEVATION). COST OF STEEL REINFORCING TO BE INCLUDED IN THE COST OF THE CURB INLET.
7. ALL CAST-IN-PLACE CLASS A CONCRETE INLET FLOORS SHALL HAVE NO. 4 REINFORCING STEEL PLACED AT 16" MAXIMUM C/C SPACING IN BOTH DIRECTIONS.
8. THE STANDARD DRAWING, DESIGN NUMBER.DESIGNATION NUMBER. AND NUMBER OF ADDITIONAL OPENINGS SHALL BE INDICATED ON THE PLANS: I.E. ROADWAY STANDARD CI-2, DES. 2 (A-B).
9. TYPE B AND C FRAMES TO BE USED FOR MULTIPLE DOUBLE GRATES. SEE ROADWAY STAND ARD SSIF-5 FOR DETAILS.
10. BOLT(S) WITH EXPANSION DEVICES OR EPOXY-TYPE PUTTY TO BE USED TO INSTALL CAST IRON HOODS INTO CONCRETE CURB. COST OF INSTALLATION TO BE INCLUDED IN PRICE BID FOR THE CURB INLET.
11. CASTINGS AS SHOWN HERE SHALL BE CAST STEEL, DUCTILE IRON OR GRAY IRON CONFORMING TO SECTION 725 OF THE 2019 ODOT SPECIFICATIONS. REFER TO STANDARD CI-2 FOR TYPE OF CAST IRON CURB INLETS. DETAIL OF CONNECTION ANGLE IRON AND CAST IRON HOOD AND DETAIL OF CONNECTION FRAME AND CAST IRON HOOD.
12. TWO INCH RADIUS MAY BE USED IF APPROVED BY THE ENGINEER.
13. CONSTRUCTION STATIONING OF THE CURB INLETS IS DETERMINED BY THE CENTERLINE (C) OF THE SURFACE GRATES.
14. REFER TO STANDARD SBI-4 FOR UNCLASSIFIED EXCAVATION AND STRUCTURAL REFER TO STANDARD MFC-5 FOR DETAILS OF FRAME AND COVER.

ANGLE IRON LENGTH

OPENING	LENGTH
"A"	2'- 5 3/8"
"B"	5'- 1 5/8"
"C"	7'- 9 7/8"
"D"	10'- 6 1/8"



BAR "A"⬓

⬓ QUANTITIES FOR BAR "A" ARE INCLUDED ON THE SUMMARY OF DRAINAGE STRUCTURES AS REINFORCING STEEL IF STEEL IS NOT INCLUDED WITH PAYMENT FOR THE INLET.

DESIGN	WS	12/19	OKLAHOMA DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION
DRAWN	AJ	12/19	CICI–JUNCTION BOX CICI DESIGNS 2 & 3 DETAIL SHEET
CHECKED	WS	12/19	
APPROVED			
SQUAD	HDR ENGINEERS		

COUNTY MUSKOGEE HIGHWAY U.S.-69 STATE JOB NO. 27108(04) SHEET NO R009

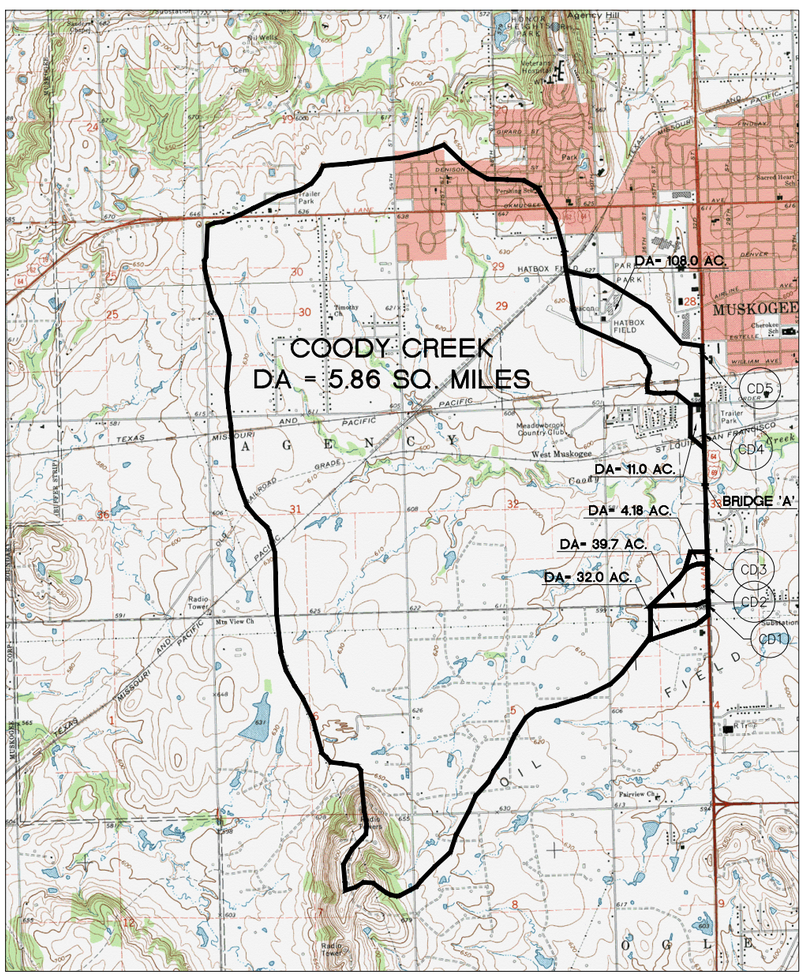
HDR Engineers
Time of Plot: 11/21/2023 4:02 PM Plot Style: --HUB--HALF.CTB
G:\2014\1400010589\DESIGN\Production Plans\27108_MULTI GRATE DETAIL SHEET.dwg

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
November 2023

DRAINAGE STRUCTURE DESIGN RECORD (CROSS DRAIN)

STR. NO.	DESIGN YEAR	C.R.L. STATION	STRUCTURE SIZE AND TYPE	DRAINAGE AREA BASIN ACRE	WEIGHTED "C" COEFFICIENT MIN.	"Tc" COEFF. TIME OF CONC. "Tc"	INTENSITY OF DESIGN YEAR RAINFALL I_{25} I/HR	I_{50}	DESIGN YEAR DISCHARGE Q_{25} CFS	Q_{50}	F.L. INLET ELEVATION FT.	F.L. OUTLET ELEVATION FT.	CONTROLLING HEADWATER Q_{25} CF./SEC.	Q_{50} ELEV.	FLOW VELOCITY V_{25} FT./SEC.	V_{50}	TYPE OF HYDRAULIC CONTROL
CD1	50	592+97	EXTEND EXIST. 4'x2'108.6' LG RCB, SK 0*, 22.5' LT. © SK 45' RF	32	0.53	65	2.9	3.3	49	56	590.10	589.24	594	594.1	6.0	6.1	OUTLET
CD2	50	597+32	EXTEND EXIST. 8'x3'x126.9' LG RCB, SK 30* RF, 14.0' LT © SK O' & 16.0' RT @ SK 0*	39.7	0.40	52	3.4	3.8	54	61	587.50	586.2	589.4	589.6	2.3	2.5	OUTLET
CD3	50	606+34	EXTEND EXIST. 3'x2'x109.5' LG RCB, SK O', 9.0' LT & 17.0' RT	4.1	0.40	30	4.6	5.1	8	9	588.00	587.5	588.5	588.6	1.3	1.5	INLET
CD4	50	638+25	SMD TYPE 2A w/30"x64' LF RCP LT & 3O"x68' LF RCP RT, BOTH w/ PCES	11	0.50	32	4.5	5	25	28	573.50	573	577	577.5	5.1	5.6	OUTLET
CD5	50	659+66	EXTEND EXIST. 6'x3'x108.5' LG RCB, SK O', 10.0' LT & 8.0' RT	108	0.40	57	3.2	3.6	1.38	156	579.50	578.4	583.5	584	11.9	12.3	INLET
				SQ. MI.													
BRIDGE 'A		624+97.71	EXTEND EXIST. 12'-14'-12'x14'x1 06.65' LG RCB, SK 0", 13.84' LT & 16.5' RT	5.86													



THE DRAINAGE AREA MAP IS TO BE USED IN CONJUNCTION WITH THE STORM WATER MANAGEMENT PLAN. THE DRAINAGE AREA MAP DISPLAYS THE DRAINAGE CHARACTERISTICS.

U.S. HIGHWAY 69

DRAINAGE MAP
(CROSS DRAIN STRUCTURES)
MUSKOGEE COUNTY PROJECT NO. 27108(04) SHEET NO. R010

HUB Engineers
Time of Plot: 11/29/2023 3:48 PM Plot Style: HPBISONLCTB
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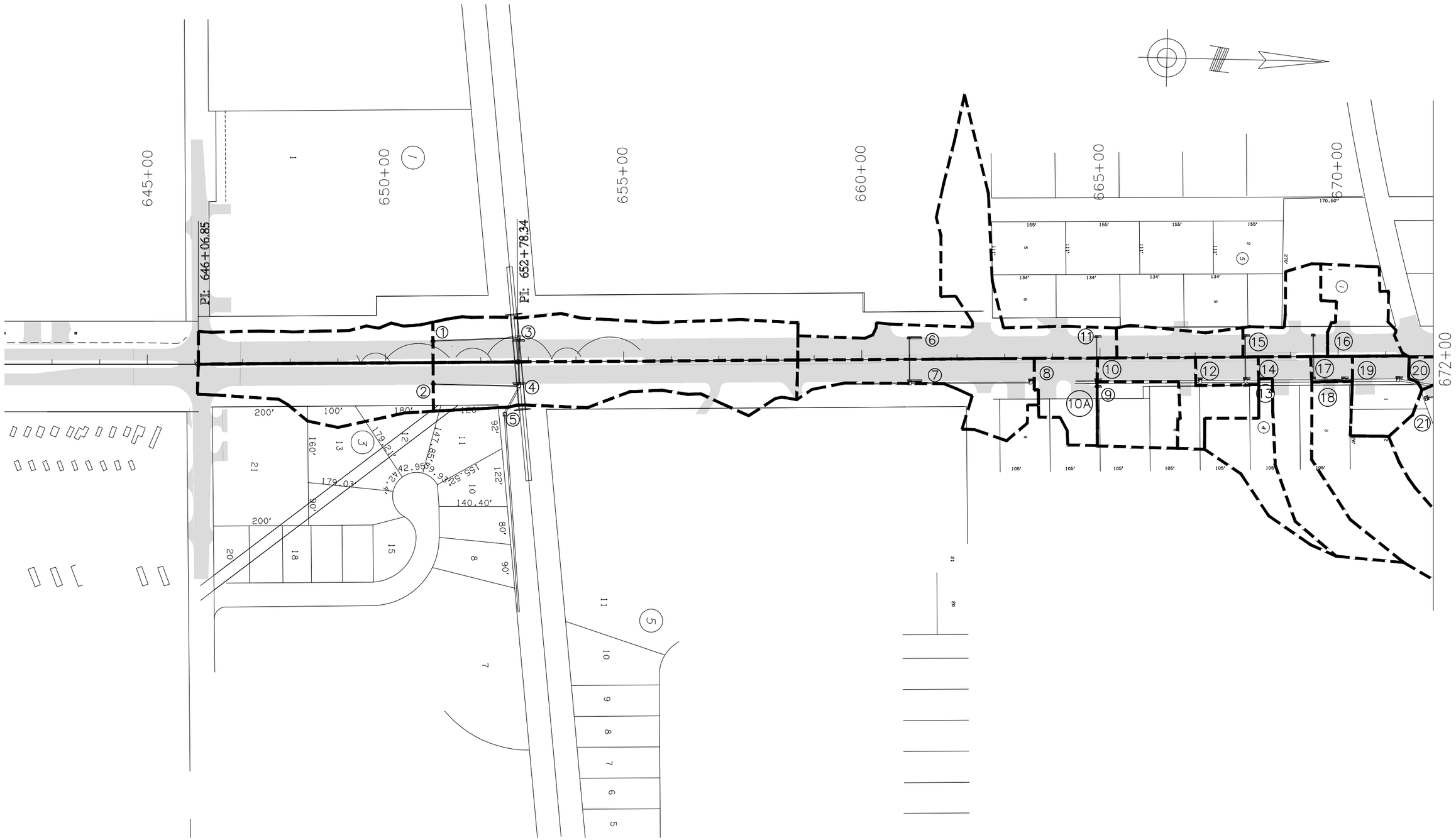

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
November 2023

PRINTED: November 29, 2023

U.S. HIGHWAY 69

DRAINAGE MAP
(STORM DRAIN STRUCTURES)(1 OF 2)

MUSKOGEE COUNTY PROJECT NO. 27108(04) SHEET NO. R010A

HUB Engineers
Time of Plot: 11/29/2023 3:54 PM Plot Style: HPB150NLCTB
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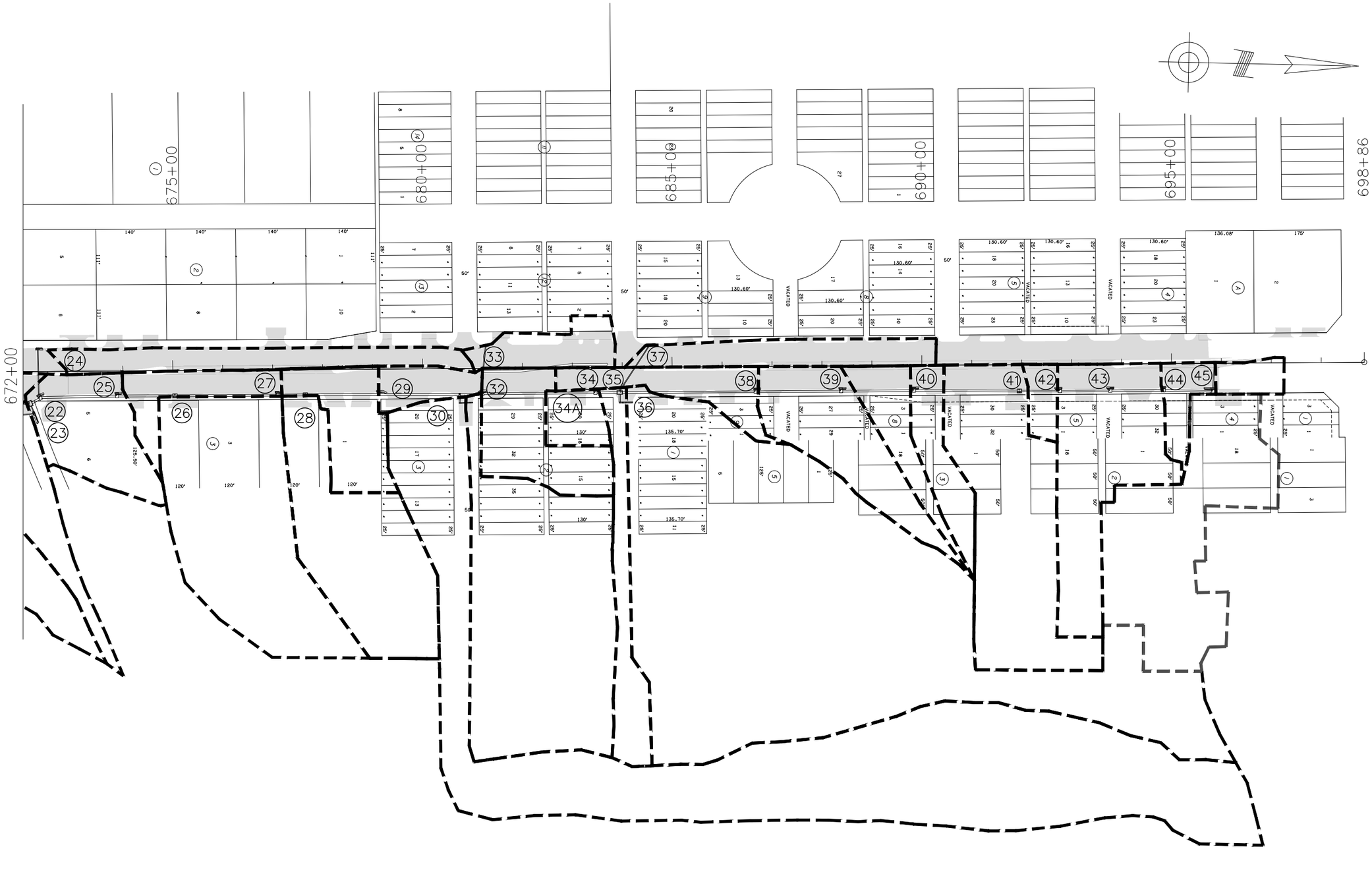

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
November 2023

PRINTED: November 29, 2023

U.S. HIGHWAY 69

DRAINAGE MAP
(STORM DRAIN STRUCTURES)(2 OF 2)

MUSKOGEE COUNTY PROJECT NO. 27108(04) SHEET NO. R010B

HNTB Engineers
Time of Plot: 11/29/2023 3:58 PM Plot Style: HPBISONLCTB
G:\20HA\ODOT\USG9\DESIGN\Production Plans\27108_STORM_DRN.dwg

DRAINAGE STRUCTURE DESIGN RECORD

STR. No.	SUBBASIN ID	C.R.L. STATION	LOCATION	STRUCTURE SIZE AND TYPE	D.A. NODE ID UPSTREAM INLET	DOWNSTREAM CONNECTING INLET	DRAINAGE AREA: BASIN AREA	DRAINAGE AREA: OVERLAND LENGTH	DRAINAGE AREA: CHAN. LENGTH	DRAINAGE AREA: OVERLND SLOPE	DRAINAGE AREA: CHAN. SLOPE	ANTICIPATED LAND USE	WEIGHTED "C" COEFFICIENT	COEFF. TIME OF CONC.	INTENSITY OF DESIGN YEAR RAINFALL: I_{10}	INTENSITY OF DESIGN YEAR RAINFALL: I_{50}	DESIGN YEAR DISCHARGE: Q_{10}	DESIGN YEAR DISCHARGE: Q_{50}	UPSTREAM STRUCTURE: T.G.	UPSTREAM STRUCTURE: FLOWLINE	REFERENCE STRUCTURE: T.G.	REFERENCE STRUCTURE: FLOWLINE	DOWNSTREAM STRUCTURE: T.G.	DOWNSTREAM STRUCTURE: FLOWLINE	OUTLET FLOW VELOCITY	CONTROLLING HEADWATER: Q_{10}	CONTROLLING HEADWATER: Q_{50}
							AC	LF	LF	%	%			"Tc"	INCHES/HR		C.F./SEC.		FT.	FT.	FT.	FT.	FT.	FT.	FT./SEC.	ELEV.	ELEV.
1	Sub-1	651+00	LT	CI DES 2 (STD) W/ 88 LF OF 18" RCP INTO STR .2	Inlet-1	Inlet-2	0.80	35	672	0.71%	3%	OVERLAND,ROAD DITCH & SURFACE	67%	1312%	5.676	7.229	3.04	3.88			576.96	570.50	576.96	570.14	2.03	577.62	577.64
2	Sub-2	651+00	RT	SPC CI DES 2 (STD) INTO EXIST 30" RCP	Inlet-2	Exist. 30" RCP	1.12	35	672	0.71%	3%	OVERLAND,ROAD DITCH & SURFACE	0.67	13.12	5.676	7.229	4.26	5.43	576.96	570.50	576.96	570.14	576.96	570.14	2.56	577.65	589.64
3	Sub-3	652+80	LT	CI DES 2 (2C) W/ 88 LF OF 48" RCP INTO STR 4	Inlet-3	Inlet- 4	1.55	40	590	0.71%	3%	OVERLAND,ROAD DITCH & SURFACE	0.56	13.06	5.692	7.249	4.94	6.29			575.82	572.59	575.82	572.32	2.51	576.02	597.37
4	Sub-4	652+80	RT	SPC CI DES 2 (2C) W/ 60 LF OF 36" RCP INTO STR 5 & 104 LF OF 18" RCP INTO STR 2	Inlet-4	Inlet-5 & Inlet 2	1.52	55	565	0.71%	3%	OVERLAND,ROAD DITCH & SURFACE	0.56	14.24	5.494	7.004	4.68	5.96	575.82	572.59	575.82	572.32	576.96/ 585.14	570.14/ 572.16	3.37	576.02	611.59
5	Sub-5	652+50	RT	6'x6' JCT BOX W/ 412 LF OF 36" RCP W/ PCES RT	Inlet-5	Exist. 36" RCP	1.12	35	672	0.71%	3%	OVERLAND,ROAD DITCH & SURFACE	0.67	13.12	5.676	7.229	4.26	5.43	575.82	572.59	585.14	572.16	576.09	571.09	2.56	577.65	591.64
6	Sub-6	661+00	LT	CI DES 2(2D) W/ 44 LF OF 18" RCP INTO STR J1		PMH J1	1.84	190	380	2.00%	1%	OVERLAND,ROAD DITCH & SURFACE	0.65	20.3	4.740	6.030	5.67	7.21			583.89	580.02	584.85	579.89	3.1	584.06	584.08
J1	Sub-6	661+00	CRT	4' DIA MH W/ 44 LF OF 18" RCP INTO STR 7	Inlet-6	Inlet-7	1.84	190	380	2.00%	1%	OVERLAND,ROAD DITCH & SURFACE	0.65	20.3	4.740	6.030	5.67	7.21	583.89	580.02	584.85	579.89	583.89	579.76	3.1	584.06	584.08
7	Sub-7	661+00	RT	SPC. CI DES 2(2D) W/ 130 LF OF 24" RCP INTO STR CD5	Inlet-8	CD5	0.94	100	150	0.64%	1%	OVERLAND,ROAD DITCH & SURFACE	0.91	7.42	6.762	8.536	5.78	7.30	585.27	582.10	583.89	579.76	585.33	578.40	3.83	584.07	584.10
8	Sub-8	663+54	RT	SPC. CI DES 2 (STD) W/ 250 LF OF 24" RCP INTO STR 7	Inlet-8	Inlet-7	0.45	160	70	0.66%	1%	OVERLAND,ROAD DITCH & SURFACE	0.90	9.12	6.444	8.167	2.61	3.31			585.27	582.10	583.89	579.76	2.13	585.63	585.67
9	Sub-9	664+93	RT	CI DES 2 (B) W/ 4 LF OF 18" RCP INTO STR 10	Inlet-9	Inlet-10	0.54	70	160	0.46%	1%	OVERLAND,ROAD DITCH & SURFACE	0.87	7.06	6.912	8.709	3.25	4.09			587.30	584.63	586.14	578.71	7.36	587.76	587.79
10A	Sub-14	664+69	RT	5'x5'x42' LONG RCB, CONNECT STR 10 INTO EX. 2-5'x6' RCB	Inlet-10	Exist 2-5'x6' RCB	0.95	36	86	2.00%	1%	OVERLAND,ROAD DITCH & SURFACE	0.58	15.18	5.366	7.508	2.96	3.77	586.14	578.71			584.6	578.6	6.5	588.33	588.35
10	Sub-10	664+93	RT	SPC. CI DES 2 (B) W/ 42 LF OF 5'X5' RCB INTO STR. 10A	Inlet-12	STR 10A	0.59	200	160	1.70%	1%	OVERLAND,ROAD DITCH & SURFACE	0.74	8.06	6.670	8.429	2.91	3.68	586.49	580.88	586.14	578.71	584.6	578.6	9.32	586.41	586.43
11	Sub-11	664+93	LT	CI DES 2 (B) W/ 12 LF OF 18" RCP INTO STR EXIST 2-5'X6' RCB	Inlet-11	Exist 2-5'x6' RCB	0.36	70	200	0.62%	1%	OVERLAND,ROAD DITCH & SURFACE	0.90	7.24	6.835	2.971	2.22	2.79			586.14	582.47	584.6	582.2	3.73	586.3	586.31
12	Sub-12	667+10	RT	SPC. CI DES 2 (STD) W/ 214 LF OF 48" RCP INTO STR 10	Inlet-14	Inlet-10	0.18	175	100	0.74%	1%	OVERLAND,ROAD DITCH & SURFACE	0.95	5.3	7.406	6.842	1.27	1.59	588.09	581.34	587.49	580.88	586.14	58.71	7.51	587.66	586.31
13	Sub-13	668+05	RT	CI DES 2 (B) W/ 4 LF OF 18" RCP INTO STR 14	Inlet-13	Inlet-14	0.59	195	145	0.60%	1%	OVERLAND,ROAD DITCH & SURFACE	0.76	14	5.552	8.102	2.49	3.17			588.16	586.50	588.09	581.34	8.13	589.26	589.29
14	Sub-14	668+05	RT	CI DES 2 (STD) W/ 92 LF OF 18" RCP INTO STR 12	Inlet-17	Inlet-12	0.59	195	145	0.60%	1%	OVERLAND,ROAD DITCH & SURFACE	0.76	14	5.552	8.102	2.49	3.17	588.98	583.26	588.09	581.34	587.49	580.88	4.76	589.17	589.20
15	Sub-15	668+05	LT	CI DES 2 (B) W/44 LF OF 18" RCP INTO STR. J2	Inlet-15	PMH J2	0.51	530	200	1.50%	1%	OVERLAND,ROAD DITCH & SURFACE	0.91	9.3	6.388	9.500	2.97	3.76			588.09	584.92	589.05	582.89	2.99	588.33	588.35
J2	Sub-15	668+05	CRT	8' DIA. MH W/ 44 LF OF 18" RCP INTO STR 14	Inlet-15	Inlet-14	0.59	195	145	0.60%	1%	PAVED SURFACE	0.76	9.3	6.388	9.500	2.97	3.76	588.09	584.92	589.05	582.89	588.09	581.34	2.99	588.33	588.35
16	Sub-16	669+58	LT	CI DES 2 (STD) W/ 44 LF OF 18" RCP INTO STR J3	Inlet-16	PMH J3	0.57	100	100	2.30%	1%	OVERLAND,ROAD DITCH & SURFACE	0.90	11.54	5.902	6.712	3.03	3.85			588.98	585.81	589.96	583.321	3.29	589.25	589.28
J3	Sub-16	669+58	CRT	8' DIA. MH W/ LF OF 18" RCP INTO STR 17	Inlet-16	Inlet-17	0.11	55	45	2.00%	1%	PAVED SURFACE	0.76	11.54	5.902	6.712	3.03	3.85	588.98	585.81	589.96	583.32	588.98	583.26	3.29	589.25	589.28
17	Sub-17	669+58	RT	SPC. CI DES 2 (STD) W/ 140 LF OF 48" RCP INTO STR 14	Inlet-18	Inlet-14	0.11	55	45	2.00%	1%	OVERLAND,ROAD DITCH & SURFACE	0.95	5	7.600	8.536	0.79	0.99	589.09	583.49	588.98	583.26	588.09	581.34	4.76	589.17	589.20
18	Sub-18	669+72	RT	SPC. INLET W/ TYPE A GRATES W/ 20 LF OF 48" RCP INTO STR 17	Inlet-19	Inlet-17	1.59	95	450	1.20%	2%	OVERLAND,ROAD DITCH & SURFACE	0.51	16	5.267	9.500	4.27	5.44	589.37	583.89	589.09	583.49	588.98	583.26	4.84	590.25	590.27
19	Sub-19	670+11	RT	SPC. CI DES 2 (B) W/ 36 LF OF 48" RCP INTO STR. 18	Inlet-20	Inlet-18	0.48	130	260	2.40%	1%	OVERLAND,ROAD DITCH & SURFACE	0.97	7.42	6.762	7.578	3.15	3.97	590.20	585.02	589.37	583.89	589.09	583.49	3.09	589.61	577.67
20	Sub-20	671+25	RT	SPC. CI DES 2 (B) W/ 110 LF OF 48" RCP INTO STR 19	Jct Box J23	Inlet-19	0.10	330	700	0.70%	1%	OVERLAND,ROAD DITCH & SURFACE	0.95	5	7.600	8.061	0.72	0.90	591.04	586.25	590.20	585.02	589.37	583.89	4.03	590.36	590.40
21	Sub-21	671+85	RT	SPC INLET W/ TYPE A GRATES W/ 32 LF OF18" RCP INTO STR 23	Inlet-21	Inlet-23	0.84	60	790	0.50%	1%	OVERLAND,ROAD DITCH & SURFACE	0.65	11.36	5.958	5.786	3.25	4.14			589.88	586.84	591.41	586.33	6.16	592.35	592.37
22	Sub-22	672+30	RT	SPC. CI DES 2 (B) W/ 12 LF OF 48" RCP INTO STR. J23	Inlet-25	Jct Box J23	1.04	100	92	2.50%	2%	OVERLAND,ROAD DITCH & SURFACE	0.62	9.42	6.352	7.701	4.1	5.20	593.14	587.97	591.34	586.31	591.04	586.25	7.12	591.61	591.64
J23	Sub-23	672+10	RT	10'X6'X6' JCT BOX W/ 80 LF OF 48" RCP INTO STR 20	PMH J4	Inlet-20	0.81	275	112	1.50%	0%	PAVED SURFACE	0.75	6.42	7.021	7.190	2.74	3.45	592.34	587.84	591.04	586.25	590.20	585.02	6.16		
23	Sub-23	672+22	RT	SPC CI DES 2 (2D) W/ 26 LF OF 48" RCP INTO STR J23	Inlet-21	Jct Box J23	4.28	482	245	1.25%	2%	OVERLAND,ROAD DITCH & SURFACE	0.52	22.24	4.529	8.835	10.08	12.88	589.88	586.84	591.41	586.33	591.04	586.25	4.09	594.27	594.31
J4	Sub-24	672+10	CRT	8' DIA. MH W/ 45 LF INTO STR J23	Inlet-24	Jct Box J23	0.10	330	700	0.70%	1%	PAVED SURFACE	0.75	11.06	6.058	6.086	4.66	5.93	591.33	587.96	592.34	587.84	591.04	586.25	7.12		
24	Sub-24	672+30	LT	CI DES 2 (B) W/ 44 LF OF 18" INTO STR J4	Inlet-24	PMH-J4	0.81	275	112	1.50%	0%	OVERLAND,ROAD DITCH & SURFACE	0.95	11.06	6.058	6.086	4.66	5.93			591.33	587.96	592.34	587.84	7.12	591.69	591.72
25	Sub-25	673+88	RT	SPC. CI DES 2 (B) W/ 152 LF 48" RCP INTO STR 22	Inlet-26	Inlet-22	0.52	402	200	1.67%	1%	OVERLAND,ROAD DITCH & SURFACE	0.75	6.42	7.021	7.190	2.74	3.45	594.45	588.85	593.14	587.97	591.34	586.31	2.24	593.39	593.41
26	Sub-26	675+04	RT	SPC. INLET W/TYPE A GRATES -112 LF OF 48" RCP INTO STR 25	Inlet-27	Inlet-25	2.94	115	87	0.89%	0%	OVERLAND,ROAD DITCH & SURFACE	0.59	20.06	4.788	7.039	8.31	10.56	596.27	590.40	594.45	588.85	593.14	587.97	4.96	595.81	595.83
27	Sub-27	677+09	RT	SPC. CI DES 2 (B) W/ 202 LF OF 48" RCP INTO STR 20	Inlet-28	Inlet-26	0.77	290	660	1.30%	1%	OVERLAND,ROAD DITCH & SURFACE	0.74	13.24	5.644	8.403	3.22	4.10	596.80	590.82	596.27	590.40	594.45	588.85	7.24	596.57	596.61
28	Sub-28	677+65	RT	SPC. INLET W/TYPE A GRATES W/ 52 LF OF 48" RCP INTO STR 27	Inlet-29	Inlet-27	2.07	235	260	1.29%	1%	OVERLAND,ROAD DITCH & SURFACE	0.74	14.12	5.523	5.963	8.46	10.78	597.11	591.93	596.80	590.82	596.27	590.40	4.8	597.1	597.12
29	Sub-29	679+12	RT	SPC. CI DES 2 (D) W/ 144 LF OF 48" RCP INTO STR 28	Jct Box J30	Inlet-28	0.33	312	180	1.34%	1%	OVERLAND,ROAD DITCH & SURFACE	0.91	8.11	6.648	6.951	2	2.52	598.17	593.13	597.11	591.93	596.80	590.82	6.76	597.34	597.37
J30	Sub-30	680+75	RT	6'X5'X3' JCT BOX W/ ACCESS MH 158 LF OF 48" RCP INTO STR 29	Inlet-32	Inlet-29	0.98	235	1600	0.90%	2%	PAVED SURFACE	0.91	12.48	5.742	8.189	5.12	6.52	598.61	593.44	598.17	593.13	597.11	591.93	6.58	598.92	597.37
30	Sub-30	680+78	RT	SPC INLET W/ TYPE A GRATES W/ 12 LF OF 30" RCP INTO STR J30	Inlet-30	Jct Box J30	7.77	110	130	1.50%	2%	OVERLAND,ROAD DITCH & SURFACE	0.65	21	4.682	7.311	23.64	30.12			598.70	594.60	598.17	593.13	3.52	598.95	599.00
32	Sub-32	681+17.5	RT	SPC. CI DES 2 (B) W/ 40 LF OF 48" RCP INTO STR J30	Jct Box J38	Jct Box J32	0.98	235	1600	0.90%	2%	OVERLAND,ROAD DITCH & SURFACE	0.91	12.48	5.742	8.189	5.12	6.52	602.43	597.68	598.61	593.44	598.17	593.13	6.58	598.92	603.81
J5	Sub-33	681+27	CRT	5' DIA MH W/ 44 LF OF 18" RCP INTO STR 32	Inlet-33	Inlet-32	0.50	200	520	1.00%	1%	OVERLAND,ROAD DITCH & SURFACE	0.95	6.06	7.202	7.210	3.42	4.30	598.80	595.35	599.77	594.86	598.61	593.44	3.57	599.26	604.30
33	Sub-33	681+27	LT	CI DES 2 (B) W/ 44 LF OF 18" RCP INTO STR J5	Inlet-33	PMH-J5	0.50	200	520	1.00%	1%	OVERLAND,ROAD DITCH & SURFACE	0.95	6.06	7.202	7.210	3.42	4.30			598.80	595.35	598.17	593.13	3.57	599.26	604.30
J38	Sub-34	682+40	RT	6'X5'X6' JCT BOX W/ ACCESS MH 120 LF OF 42" RCP INTO STR 32	Inlet-34	Inlet-32	0.63	218	445	0.30%	1%	PAVED SURFACE	0.92	9.06	6.463	6.293	3.75	4.75	603.48	598.73	602.43	597.68	598.61	593.44	9.87	603.79	610.39
34	Sub-34	683+46	RT	SPC CIDES 2 (B) W/ 102 LF OF 42" RCP INTO STR J34	Jct Box J35	Jct Box J38	0.63	218	445	0.30%	1%	OVERLAND,ROAD DITCH & SURFACE	0.92	9.06	6.463	6.293	3.75	4.75	604.09	599.51	603.48	598.73	602.43	597.68	9.87	603.79	610.39
J35	Sub-36	683+48	CRT	6'X4.5'X10' JCT BOX W/ ACCESS MH 46 LF OF 42" RCP INTO STR 34	Inlet-38	Inlet-34	1.20	600	150	1.67%	1%	OVERLAND,ROAD DITCH & SURFACE	0.72	12.3	5.793	7.971	5.01	6.37	607.98	602.00	604.09	599.51	603.48	598.73	5.17	608.3	604.30
36	Sub-36	684+08	RT	SPC INLET W/ TYPE A GRATES W/ 16 LF OF 30" RCP INTO STR J35	Inlet-36	Jct Box J35	9.86	465	82	2.16%	2%	OVERLAND,ROAD DITCH & SURFACE	0.63	18.36	5.660	7.170	3.18	39.09			604.10	599.80	604.09	599.51	4.61	604.72	611.59

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
October 2023

PRINTED: November 29, 2023

U.S. HIGHWAY 69

DRAINAGE DESIGN RECORD
(1 OF 2)

MUSKOGEE COUNTY PROJECT NO. 27108(04) SHEET NO. R010C

SUMMARY OF DRAINAGE DESIGN RECORD - INLET STRUCTURES

STRUCTURE NO.	STRUCTURE ID	ROADWAY STANDARD CI-2 INLETS									Roadway			Gutter				Peak Flow															
		PROFILE GRADE/SUMP	NO. OF GRATES	NO. OF CAST IRON CURBS	TOTAL NO. OF HOODS	DESIGN DESIGNATION	Max T.G. Elev.	Invert Elev.	Inlet Height	Grate Clogging Factor	Slope Long.	Slope Cross	Manning's Roughness	Cross Slope	Width	Depression	Flow (10 yr)	Flow (50 yr)	Inlet intercepted (10Yr)	Inlet intercepted (50Yr)	Inlet Bypassing (10yr)	Inlet Bypassing (50yr)	Inlet Efficiency (10yr)	Inlet Efficiency (50yr)	Allowable Spread	Max Gutter Spread (10yr)	Max Gutter Spread (50yr)	Max Gutter Water Depth (10yr)	Max Gutter Water Depth (50yr)	Time of Max. Depth(10yr)	Time of Max. Depth(50yr)	Hydraulic Gradeline Elev. (10yr)	Hydraulic Gradeline Elev. (50yr)
							(ft)	(ft)	(ft)	(%)	(ft/ft)	(ft/ft)	"n"	(ft/ft)	(ft)	(inches)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)	(%)	(%)	(ft)	(ft)	(ft)		(ft)		(min.)	(ft)	(ft)
1	Inlet-1	Grade	2	0	2	DES. 2 (STD)	576.96	570.50	6.46	0.00	0.02	0.02	0.0160	0.0340	3.00	0.0000	3.04	3.87	1.84	2.21	1.20	1.67	60.59	56.99	13.00	9.12	10.10	0.22	0.24	13	15.00	577.62	577.64
2	Inlet-2	Grade	2	0	2	DES. 2 (STD) W/JB	576.96	570.14	6.82	0.00	0.02	0.02	0.0160	0.0340	3.00	0.0000	4.26	5.42	2.37	2.82	1.89	2.60	55.59	52.05	13.00	10.49	11.57	0.25	0.27	13	94.00	577.65	577.67
3	Inlet-3	Sump	2	6	8	DES. 2 (2C)	575.86	570.86	5.00	0.00	N/A	0.02	0.0160	0.0340	3.00	0.0000	6.12	7.94	N/A	N/A	N/A	N/A	N/A	N/A	13.00	8.26	9.74	0.16	0.19	14	94.00	576.02	576.04
4	Inlet-4	Sump	2	6	8	DES. 2 (2C) W/JB	575.86	570.50	5.36	0.00	N/A	0.02	0.0160	0.0340	3.00	0.0000	6.36	8.28	N/A	N/A	N/A	N/A	N/A	N/A	13.00	8.46	10.00	0.16	0.19	15	93.00	576.02	576.05
6	Inlet-6	Sump	2	8	10	DES. 2 (2D)	583.93	580.20	3.73	0.00	N/A	0.02	0.016	0.03	3.00	0.00	5.67	7.21	N/A	N/A	N/A	N/A	N/A	N/A	13.00	6.95	8.08	0.13	0.15	9	14.00	584.06	584.08
7	Inlet-7	Sump	2	8	10	DES. 2 (2D)	583.93	579.93	4.00	0.00	N/A	0.02	0.016	0.03	3.00	0.00	6.47	8.32	N/A	N/A	N/A	N/A	N/A	N/A	13.00	7.55	8.85	0.14	0.17	9	12.00	584.07	584.10
8	Inlet-8	Grade	2	0	2	DES. 2 (STD)	585.35	583.00	2.35	0.00	0.01	0.02	0.016	0.03	3.00	0.00	3.36	4.47	2.26	2.85	1.09	1.62	67.50	63.76	13.00	12.03	13.46	0.28	0.32	9	10.00	585.63	585.67
9	Inlet-9	Grade	2	2	4	DES. 2 (B)	587.50	583.50	4.00	0.00	0.01	0.02	0.016	0.03	3.00	0.00	3.24	4.09	0.00	0.00	3.24	4.09	0.00	0.00	13.00	11.01	12.17	0.26	0.29	7	12.00	587.76	587.79
10	Inlet-10	Grade	2	2	4	DES. 2 (B) W/JB	586.14	579.93	6.21	0.00	0.01	0.02	0.016	0.03	3.00	0.00	2.91	3.68	0.00	0.00	2.91	3.68	0.00	0.00	13.00	11.35	12.43	0.27	0.29	86	12.00	586.41	586.43
11	Inlet-11	Grade	2	2	4	DES. 2 (B)	586.04	583.12	2.92	0.00	0.01	0.02	0.016	0.03	3.00	0.00	2.55	3.30	0.00	0.00	2.55	3.30	0.00	0.00	13.00	10.74	11.91	0.26	0.27	7	16.00	586.30	586.31
12	Inlet-12	Grade	2	0	2	DES. 2 (STD) W/JB	587.49	582.10	5.39	0.00	0.01	0.02	0.016	0.02	2.00	0.00	1.27	1.61	0.00	0.00	1.27	1.61	0.00	0.00	13.00	8.67	9.41	0.17	0.19	87	10.00	587.66	587.68
13	Inlet-13	Sump	2	2	4	DES. 2 (B)	589.10	587.80	1.30	0.00	N/A	0.02	0.016	0.02	2.00	0.00	2.49	3.17	N/A	N/A	N/A	N/A	N/A	N/A	13.00	8.98	10.43	0.16	0.19	14	15.00	589.26	589.29
14	Inlet-14	Grade	2	2	4	DES. 2 (B) W/JB	588.09	583.05	5.04	0.00	0.01	0.02	0.016	0.02	2.00	0.00	3.01	3.85	0.00	0.00	3.01	3.85	0.00	0.00	13.00	11.90	13.12	0.24	0.26	12	11.00	588.33	588.35
15	Inlet-15	Grade	2	2	4	DES. 2 (B)	588.08	585.59	2.49	0.00	0.01	0.02	0.016	0.02	2.00	0.00	3.27	4.24	0.00	0.00	3.27	4.24	0.00	0.00	13.00	12.34	13.55	0.25	0.27	10	11.00	588.33	588.35
16	Inlet-16	Grade	2	0	2	DES. 2 (STD)	588.98	586.48	2.50	0.00	0.01	0.02	0.016	0.03	3.00	0.00	3.03	3.85	0.00	0.00	3.03	3.85	0.00	0.00	13.00	11.48	12.73	0.27	0.30	12	6.00	589.25	589.28
17	Inlet-17	Grade	2	0	2	DES. 2 (STD) W/JB	588.98	584.24	4.74	0.00	0.01	0.02	0.016	0.03	3.00	0.00	1.08	1.53	0.88	1.18	0.21	0.35	80.91	77.13	13.00	7.50	8.74	0.19	0.22	12	5.00	589.17	589.20
18	Inlet-18	Grade	2	0	2	SPECIAL CONC. INLET W/2 GRATES	589.57	583.49	6.08	0.00	0.02	0.02	0.016	0.03	3.00	0.00	4.27	5.44	3.85	4.83	0.42	0.61	90.26	88.76	13.00	10.47	11.49	0.25	0.27	16	5.00	590.25	590.27
19	Inlet-19	Grade	2	2	4	DES. 2 (B)	589.37	584.87	4.50	0.00	0.01	0.02	0.015	0.02	2.00	0.00	3.20	4.10	0.00	0.00	3.20	4.10	0.00	0.00	13.00	11.89	13.12	0.24	0.27	10	6.00	589.61	589.64
20	Inlet-20	Grade	2	2	4	DES. 2 (B) W/JB	590.20	585.70	4.50	0.00	0.01	0.02	0.016	0.02	2.00	0.00	1.30	1.91	0.00	0.00	1.30	1.91	0.00	0.00	13.00	7.82	9.01	0.16	0.20	12	6.00	590.36	590.40
21	Inlet-21	Grade	2	0	2	SPECIAL CONC. INLET W/2 GRATES	592.13	588.13	4.00	0.00	0.01	0.02	0.016	0.02	2.00	0.00	3.25	4.14	3.05	3.84	0.20	0.29	93.78	92.90	13.00	11.00	12.04	0.22	0.24	11	10.00	592.35	592.37
22	Inlet-22	Grade	2	2	4	DES. 2 (B) W/JB	591.34	586.84	4.50	0.00	0.02	0.02	0.016	0.03	3.00	0.00	4.68	6.19	0.00	0.00	4.68	6.19	0.00	0.00	13.00	11.47	12.86	0.27	0.30	7	13.00	591.61	591.64
23	Inlet-23	Grade	2	6	8	DES. 2 (2C)	593.91	589.91	4.00	0.00	0.02	0.03	0.016	0.03	3.00	0.00	10.08	12.88	0.00	0.00	10.08	12.88	0.00	0.00	13.00	11.72	12.87	0.36	0.40	6	9.00	594.27	594.31
24	Inlet-24	Grade	2	2	4	DES. 2 (B)	591.41	588.71	2.70	0.00	0.01	0.02	0.016	0.03	3.00	0.00	4.66	5.92	0.00	0.00	4.66	5.92	0.00	0.00	13.00	11.96	13.26	0.28	0.31	5	14.00	591.69	591.72
25	Inlet-25	Grade	2	2	4	DES. 2 (B) W/JB	593.14	588.64	4.50	0.00	0.01	0.02	0.016	0.03	3.00	0.00	3.01	3.85	0.00	0.00	3.01	3.85	0.00	0.00	13.00	10.18	11.30	0.25	0.27	6	9.00	593.39	593.41
26	Inlet-26	Grade	2	0	2	SPECIAL CONC. INLET W/2 GRATES	594.88	588.84	6.04	0.00	0.05	0.02	0.016	0.06	2.00	2.00	8.30	10.55	6.65	8.22	1.65	2.33	80.10	77.91	13.00	11.14	12.39	0.31	0.33	6	14.00	595.81	595.83
27	Inlet-27	Grade	2	2	4	DES. 2 (B)	596.27	591.59	4.68	0.00	0.00	0.02	0.013	0.03	3.00	0.00	4.14	5.52	0.00	0.00	4.14	5.52	0.00	0.00	13.00	13.13	14.70	0.30	0.34	12	9.00	596.57	596.61
28	Inlet-28	Grade	2	0	2	SPECIAL CONC. INLET W/2 GRATES	596.97	590.82	6.15	0.00	0.03	0.02	0.016	0.03	3.00	0.00	8.46	10.78	7.56	9.49	0.89	1.30	89.42	87.98	13.00	12.73	13.99	0.30	0.32	14	14.00	597.10	597.12
29	Inlet-29	Grade	2	4	6	DES. 2 (D) W/JB	597.11	592.61	4.50	0.00	0.00	0.02	0.016	0.03	3.00	0.00	2.10	2.97	0.00	0.00	2.10	2.97	0.00	0.00	13.00	11.33	12.90	0.23	0.26	11	12.00	597.34	597.37
30	Inlet-30	Sump	10	0	10	SPECIAL CONC. INLET W/10 GRATES	598.70	594.60	4.10	0.00	N/A	0.02	0.016	0.03	3.00	0.00	23.64	30.11	N/A	N/A	N/A	N/A	N/A	N/A	13.00	13.09	15.31	0.25	0.30	11	11.00	598.95	599.00
31	Inlet-31	Grade	2	2	4	DES. 2 (B)	598.90	594.50	4.40	0.00	N/A	0.02	0.016	0.06	2.00	2.00	13.53	17.25	N/A	N/A	N/A	N/A	N/A	N/A	13.00	0.08	1.29	0.11	0.34	11	13.00	599.01	598.95
32	Inlet-32	Grade	2	2	4	DES. 2 (B) W/JB	598.61	594.11	4.50	0.00	0.02	0.02	0.016	0.06	2.00	2.00	5.31	6.84	0.00	0.00	5.31	6.84	0.00	0.00	13.00	11.53	12.83	0.31	0.32	11	13.00	598.92	599.28
33	Inlet-33	Grade	2	2	4	DES. 2 (B)	598.96	595.90	3.06	0.00	0.01	0.02	0.016	0.03	3.00	2.00	3.51	4.45	0.00	0.00	3.51	4.45	0.00	0.00	13.00	10.95	12.04	0.30	0.33	12	13.00	599.26	603.81
34	Inlet-34	Grade	2	2	4	DES. 2 (B)	603.48	599.98	3.50	0.00	0.01	0.02	0.016	0.06	3.00	2.00	3.75	4.75	0.00	0.00	3.75	4.75	0.00	0.00	13.00	11.23	12.41	0.31	0.33	15	4.00	603.79	603.81
36	Inlet-36	Sump	10	0	10	SPCIAL CONC. INLET W/10 GRATES	604.10	599.80	4.30	0.00	N/A	0.02	0.016	0.06	2.00	2.00	32.64	41.51	N/A	N/A	N/A	N/A	N/A	N/A	13.00	25.70	30.51	0.62	0.20	16	13.00	604.72	604.30
37	Inlet-37	Grade	4	2	6	DES. 2 (2B)	604.55	601.86	2.69	0.00	0.01	0.02	0.016	0.06	2.00	4.00	3.90	4.97	0.00	0.00	3.90	4.97	0.00	0.00	13.00	11.27	12.36	0.23	0.31	13	13.00	604.78	610.39
38	Inlet-38	Grade	2	2	4	DES. 2 (B) W/JB	607.98	602.01	5.97	0.00	0.01	0.02	0.016	0.06	2.00	2.00	5.00	6.39	0.00	0.00	5.00	6.39	0.00	0.00	13.00	11.82	13.04	0.32	0.31	14	13.00	608.30	611.59
39	Inlet-39	Grade	6		6	DES. 2 (B) W/JB	610.08	602.37	7.71	0.00	0.01	0.02	0.016	0.03	3.00	0.00	2.26	3.02	0.00	0.00	2.26	3.02	0.00	0.00	13.00	9.73	10.99	0.28	0.31	13	12.00	610.36	611.38
40	Inlet-40	Grade	2	2	4	DES. 2 (B) W/JB	611.28	602.46	8.82	0.00	0.01	0.02	0.016	0.03	3.00	0.00	2.57	3.27	0.00	0.00	2.57	3.27	0.00	0.00	13.00	10.24	11.39	0.29	0.25	13	10.00	611.57	610.91
41	Inlet-41	Grade	2	0	2	SPECIAL CONC. INLET W/2 GRATES	611.48	603.59	7.89	0.00	0.01	0.02	0.016	0.03	3.00	0.00	10.23	13.04	4.41	5.18	5.82	7.86	43.13	39.70	13.00	16.91	18.52	0.42	0.32	13	10.00	611.50	610.46
42	Inlet-42	Grade	2	2	4	DES. 2 (B) W/JB	610.66	603.87	6.79	0.00	0.01	0.02	0.016	0.03	3.00	0.00	1.40	1.75	0.00	0.00	1.40	1.75	0.00	0.00	13.00	8.73	9.52	0.22	0.32	12	7.00	610.88	610.07
43	Inlet-43	Sump	2	2	4	DES. 2 (B) W/JB	610.12	604.17	5.95	0.00	0.01	0.02	0.016	0.03	3.00	0.00	3.40	4.34	0.00	0.00	3.40	4.34	0.00	0.00	13.00	12.47	13.77	0.29	0.09	11	7.00	610.41	609.31
44	Inlet-44	Sump	2	0	2	DES. 2 (STD)	609.79	604.47	5.32	0.00	0.00	0.02	0.016	0.06	2.00	2.00	2.88	3.63	2.17	2.65	0.71	0.99	75.32	72.79	13.00	12.89	14.12	0.30	0.77	11	7.00	610.09	610.92
45	Inlet-45	Sump	4	4	8	DES. 2 (B)	609.13	604.76	4.37	0.00	N/A	0.02	0.016	0.06	2.00	2.00	3.64	4.68	N/A	N/A	N/A	N/A	N/A	N/A	13.00	4.08	4.74	0.07	0.77	10	9.00	609.20	610.92

HUB Engineers
Time of Plot: 11/29/2023 4:23 PM Plot Style: MONOCHROME.STB
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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
October 2023

PRINTED: November 29, 2023

U.S. HIGHWAY 69

DRAINAGE DESIGN RECORD
(2 OF 2)

MUSKOGEE COUNTY PROJECT NO. 27108(04) SHEET NO. R010D

STORM WATER MANAGEMENT PLAN

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
October 2023

SITE DESCRIPTION

PROJECT LIMITS: FROM US 64 (PEAK BLVD) NORTH 3 MILES TO US 69 (OKMULGEE AVE.) IN MUSKOGEE, OKLAHOMA. BEGINNING @ STA. 540+72.83 & ENDING @ STA. 696+86.36

PROJECT DESCRIPTION: WIDENING, SURFACING, GRADING, TRAFFIC CONTROL, SIGNALS, AND NEW BRIDGE STRUCTURE INSTALLATIONS.

SUGGESTED SEQUENCE OF EROSION CONTROL ACTIVITIES:

CONTRACTOR SHALL OBTAIN AN NOI PRIOR TO NOTICE TO PROCEED.

1. INSTALL TEMPORARY EROSION CONTROL SYSTEMS AT LEAST 48 HRS PRIOR TO ANY CONSTRUCTION ACTIVITIES.
2. INSPECT EROSION CONTROL 24 HRS PRIOR TO A STORM EVENT AND 24 HRS AFTER A STORM EVENT.
3. REMOVE SILT ACCUMULATION.
4. INSTALL PERMANENT EROSION CONTROL MEASURES.
5. ENSURE ALL PERMANENT VEGETATION HAS BEEN ESTABLISHED PRIOR TO REMOVAL OF TEMPORARY EROSION CONTROL MEASURES.
6. FILL THE NOT AFTER ALL PROJECT TASKS HAVE BEEN COMPLETED AND APPROVED.

SOIL TYPE: TALOKA/VERDIGRIS SILT LOAM

TOTAL AREA OF THE CONSTRUCTION SITE: 65.95 ACRES

ESTIMATED AREA TO BE DISTURBED: 46.45 ACRES

OFFSITE AREA TO BE DISTURBED: (FOR CONTRACTOR USE)

TOTAL IMPERVIOUS AREA PRE-CONSTRUCTION: 18.1 ACRES

TOTAL IMPERVIOUS AREA POST-CONSTRUCTION: 22.94 ACRES

POST-CONSTRUCTION RUNOFF COEFFICIENT OF THE SITE: 0.65

LATITUDE & LONGITUDE OF CENTER OF PROJECT: 35°44'4.93" N, 95°24'9.7" W

PROJECT WILL DISCHARGE TO:

NAME OF RECEIVING WATERS: COODY CREEK

SENSITIVE WATERS OR WATERSHEDS: YES [ ] NO [X]

303(d) IMPAIRED WATERS: YES [X] NO [ ]

IF YES, LIST IMPAIRMENT: ENTEROCOCCUS, ESCHERICHIA COLI

LOCATED IN A TMDL: YES [X] NO [ ]

LAKE THUNDERBIRD TMDL: YES [ ] NO [X]

MS4 ENTITY YES [X] NO [ ]

IF YES, LOCATION: OK120400010400_00

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.

EROSION AND SEDIMENT CONTROLS

SOIL STABILIZATION PRACTICES:

- ____ 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
- ____ ROCK FILTER DAMS
- ____ TEMPORARY SLOPE DRAIN
- X PAVED DITCH W/ DITCH LINER PROTECTION
- ____ TEMPORARY DIVERSION CHANNELS
- ____ TEMPORARY SEDIMENT BASINS
- ____ TEMPORARY SEDIMENT TRAPS
- X TEMPORARY SEDIMENT FILTERS
- X TEMPORARY SEDIMENT REMOVAL
- X RIP RAP
- X 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:

CONTRACTOR SHALL KEEP AND MAINTAIN AN APPROVED SWPPP REPORT ON SITE AT ALL TIMES. NO TRASH SHALL BE ALLOWED ON CONSTRUCTION SITE. TRASH SHALL BE PROPERLY AND REMOVE FROM SITE ON A DAILY BASIS. NO SEDIMENT ACCUMULATION. SEDIMENT SHALL NOT BE ALLOWED TO REACH MORE THAN 6" PER STORM EVENT. INSPECTIONS SHALL BE DONE PERIODICALLY TO ENSURE NON POINT POLLUTANTS ENTER THE WATER STREAM.

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 2019 ODOT 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
- 221 TEMPORARY SEDIMENT CONTROL

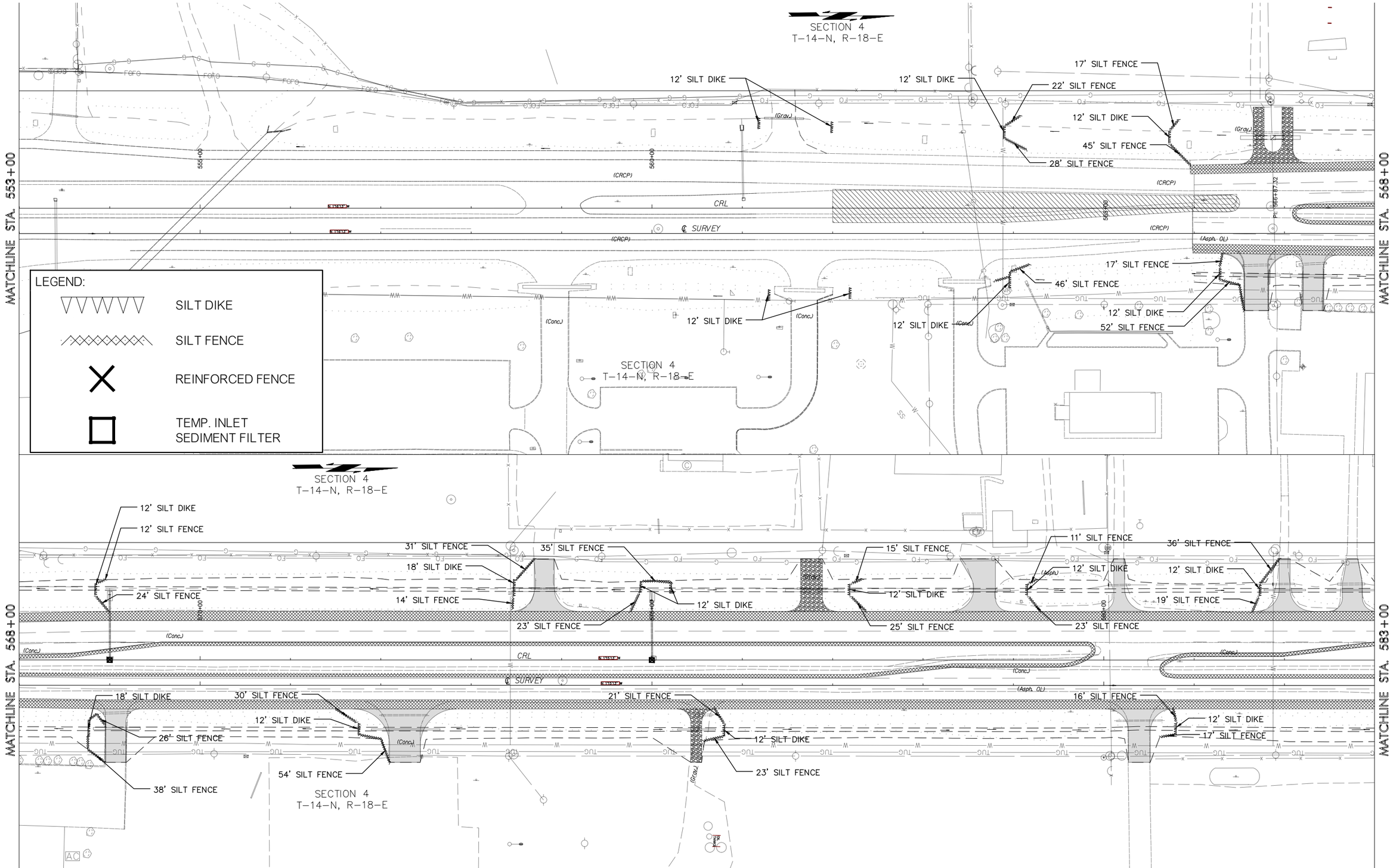
IN ADDITION:

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

U.S. HIGHWAY 69

STORMWATER MANAGEMENT PLAN

MUSKOGEE COUNTY PROJECT NO. 27108(04) SHEET NO. R011



OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
October 2023

U.S. HIGHWAY 69

Erosion Control (1 of 7)

MUSKOGEE COUNTY PROJECT NO. 27108(04) SHEET NO. R012

HUB Engineers
Time of Plot: 11/21/2023 4:03 PM Plot Style: HUB-HALF.CTB
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SECTION 4
T-14-N, R-18-E

SECTION 33
T-15-N, R-18-E

MATCHLINE STA. 563+00

MATCHLINE STA. 598+00

39' SILT FENCE
12' SILT DIKE
20' SILT FENCE
12' SILT DIKE
53' SILT FENCE
16' SILT FENCE
13' SILT FENCE
12' SILT DIKE
222' SILT FENCE
89' SILT FENCE
12' SILT DIKE
24' SILT FENCE
12' SILT DIKE
40' SILT FENCE
27' SILT FENCE
12' SILT DIKE
7' SILT FENCE
12' SILT DIKE
214' SILT FENCE
25' SILT DIKE
12' SILT DIKE
430' SILT FENCE
12' SILT DIKE
16' SILT FENCE

U.S.69 U.S. 62 & S.H. 16

PI. 19+86.89

CRL

℄ SURVEY

(Conc.)

(Asph.)

N 88°20'56.38" E

(*)NOTE:
SIDE STREET STATIONING IS BASED OFF OF THE SIDE STEET ℄.

LEGEND:

SILT DIKE

SILT FENCE

REINFORCED FENCE

TEMP. INLET SEDIMENT FILTER

MATCHLINE STA. 598+00

MATCHLINE STA. 613+00

PI. 605+00.00

12' SILT DIKE
12' SILT DIKE
12' SILT DIKE
12' SILT DIKE
12' SILT DIKE
12' SILT DIKE
28' SILT FENCE
28' SILT FENCE
30' SILT FENCE
12' SILT DIKE
43' SILT DIKE
37' SILT DIKE
12' SILT DIKE
12' SILT DIKE
12' SILT DIKE
25' SILT FENCE
22' SILT DIKE
27' SILT FENCE
12' SILT DIKE
12' SILT DIKE

(Asph. OL)

(Conc.)

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
October 2023

U.S. HIGHWAY 69

Erosion Control (2 of 7)

MUSKOGEE COUNTY PROJECT NO. 27108(04) SHEET NO. R013

HUB Engineers
Time of Plot: 11/20/2023 4:03 PM Plot Style: HUB-HALF.CTB
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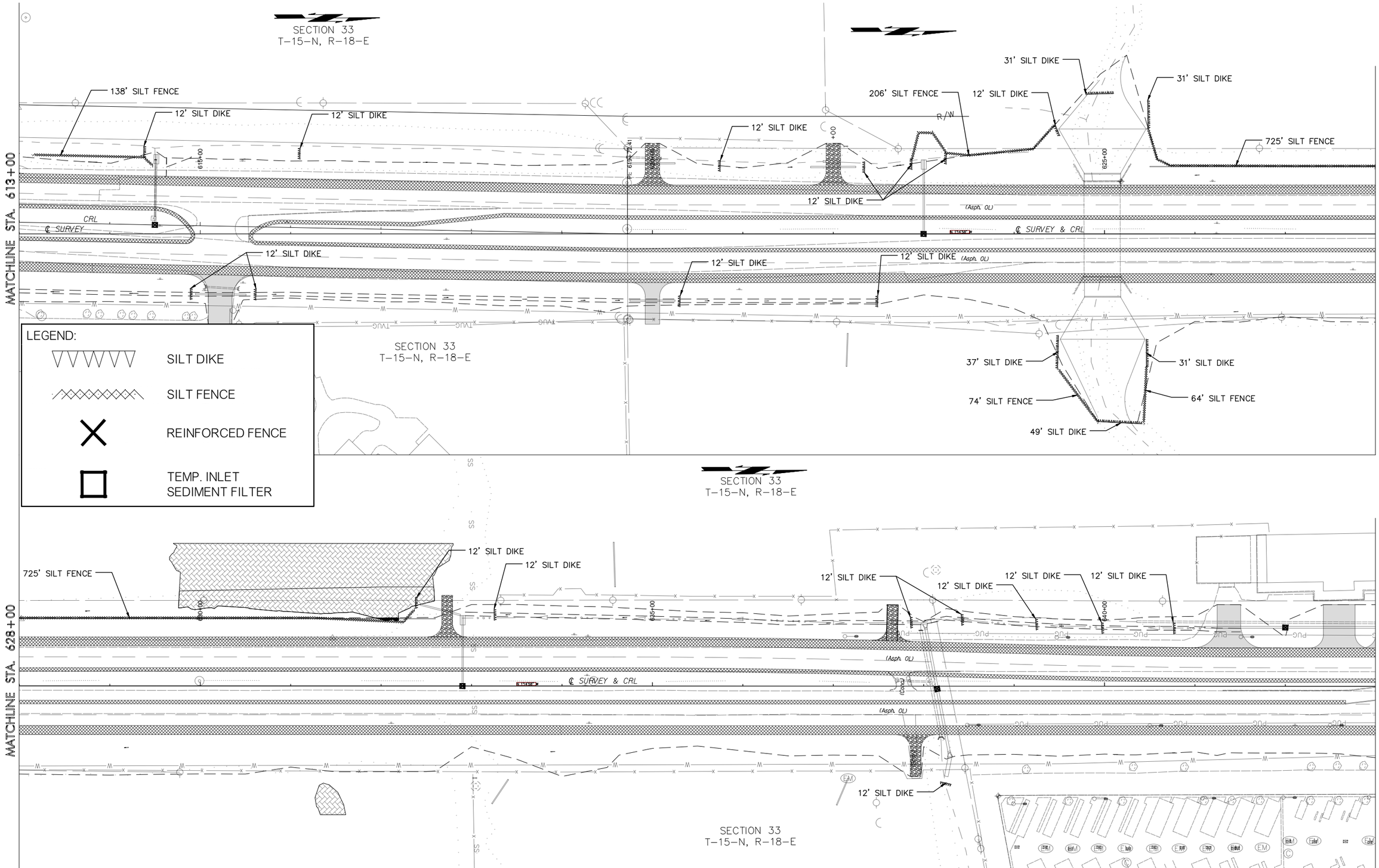


OKLAHOMA DEPARTMENT OF TRANSPORTATION

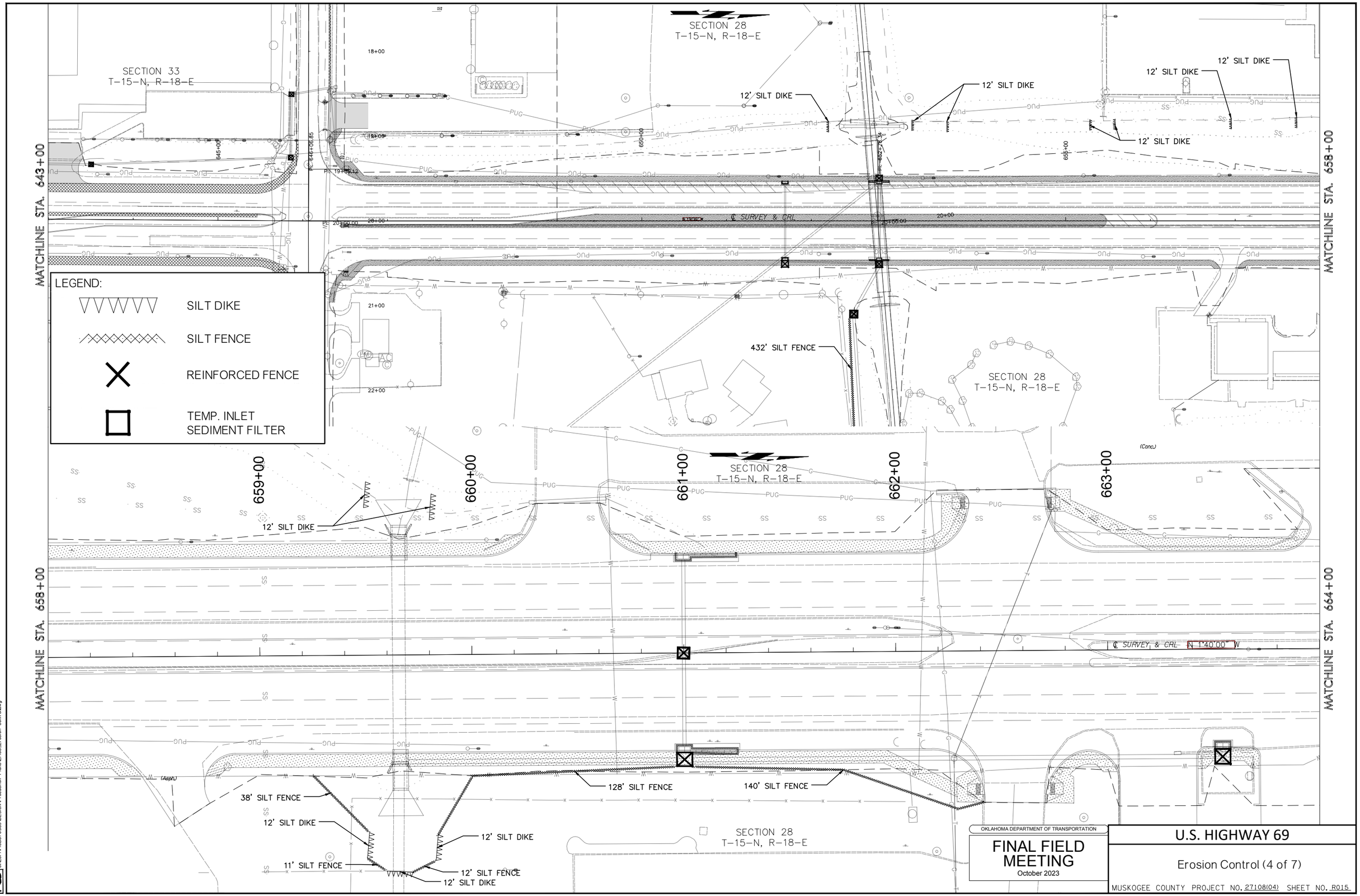
FINAL FIELD MEETING
October 2023

U.S. HIGHWAY 69

Erosion Control (3 of 7)

MUSKOGEE COUNTY PROJECT NO. 27108(04) SHEET NO. R014

HUB Engineers
Time of Plot: 11/21/2023 4:04 PM Plot Style: -HUB-HALF.CTB
G:\2014\4400\T\USE\NDE\SIGN\Production Plans\27108_Erosion Control.dwg



OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
October 2023

U.S. HIGHWAY 69

Erosion Control (4 of 7)

MUSKOGEE COUNTY PROJECT NO. 27108(04) SHEET NO. R015

HUB Engineers
Time of Plot: 11:30/2023 (52) PM Plot Style: ODOT2020.CTB
G:\20\AV\0001\0569\DESIGN\Production Plans\27108_Erosion Control.dwg

LEGEND:

- SILT DIKE
- SILT FENCE
- REINFORCED FENCE
- TEMP. INLET SEDIMENT FILTER

MATCHLINE STA. 664+00

666+00

667+00

SECTION 28
T-15-N, R-18-E

668+00

669+00

MATCHLINE STA. 670+00

N 1°40'00" W

℄ SURVEY & CRL

81' SILT FENCE

207' SILT FENCE

(Conc.)

(Asph.)

SECTION 28
T-15-N, R-18-E

671+00

672+00

+64.36
95' L

PI: 19+23.88

+90
62.09' L

673+00

(Asph.)

674+00

SECTION 28
T-15-N, R-18-E

675+00

PRES. R/W

MATCHLINE STA. 670+00

(Asph. OL)

PI: 20+00.00

N 1°40'00" W

N 1°40'00" W

℄ SURVEY & CRL

MATCHLINE STA. 676+00

(Conc.)

120' SILT FENCE

69' SILT FENCE

(Asph. OL)

63' SILT FENCE

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
October 2023

U.S. HIGHWAY 69

Erosion Control (5 of 7)

MUSKOGEE COUNTY PROJECT NO. 27108(04) SHEET NO. R016

HUB Engineers
Time of Plot: 11:30/2023 12:03 PM Plot Style: ODOT2012.CTB
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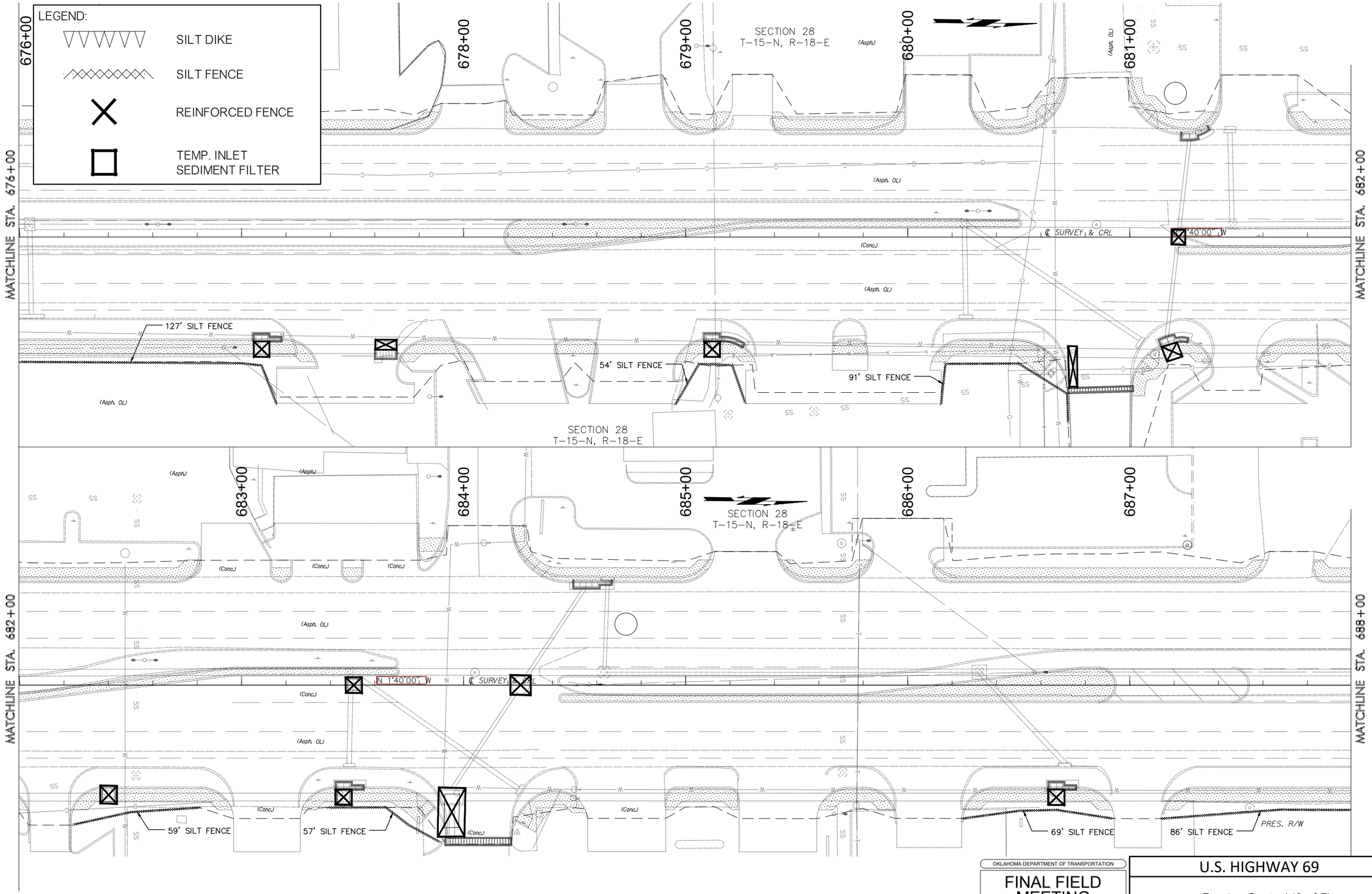

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
October 2023

U.S. HIGHWAY 69

Erosion Control (6 of 7)

MUSKOGEE COUNTY PROJECT NO. 27108(04) SHEET NO. R017

HUB Engineers
Time of Plot: 11/20/2023 4:04 PM Plot Style: HUB-HALF-CTB
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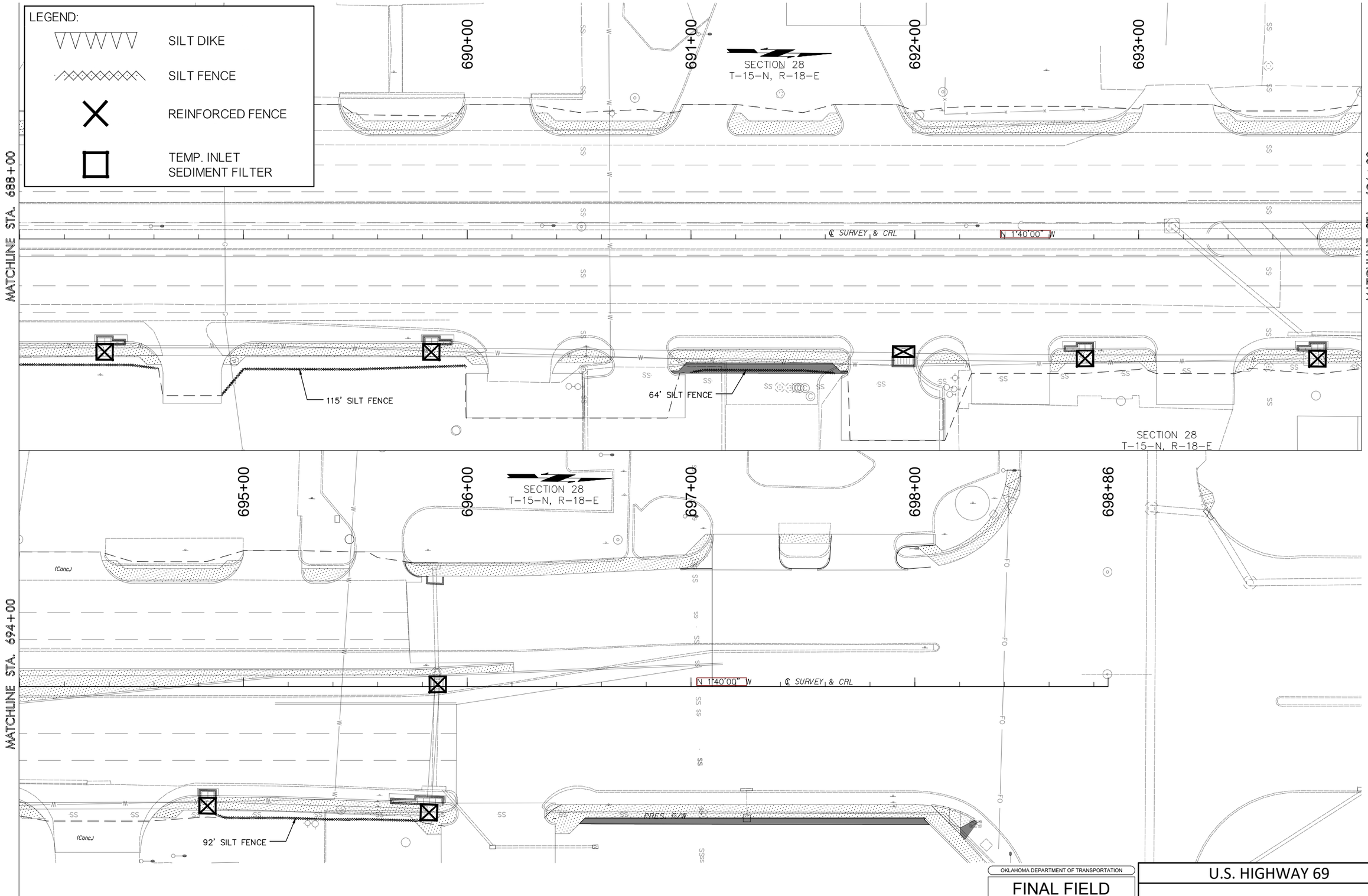

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
October 2023

U.S. HIGHWAY 69

Erosion Control (7 of 7)

MUSKOGEE COUNTY PROJECT NO. 27108(04) SHEET NO. R018

HUB Engineers
Time of Plot: 11/21/2023 4:05 PM Plot Style: HUB-HALF.CTB
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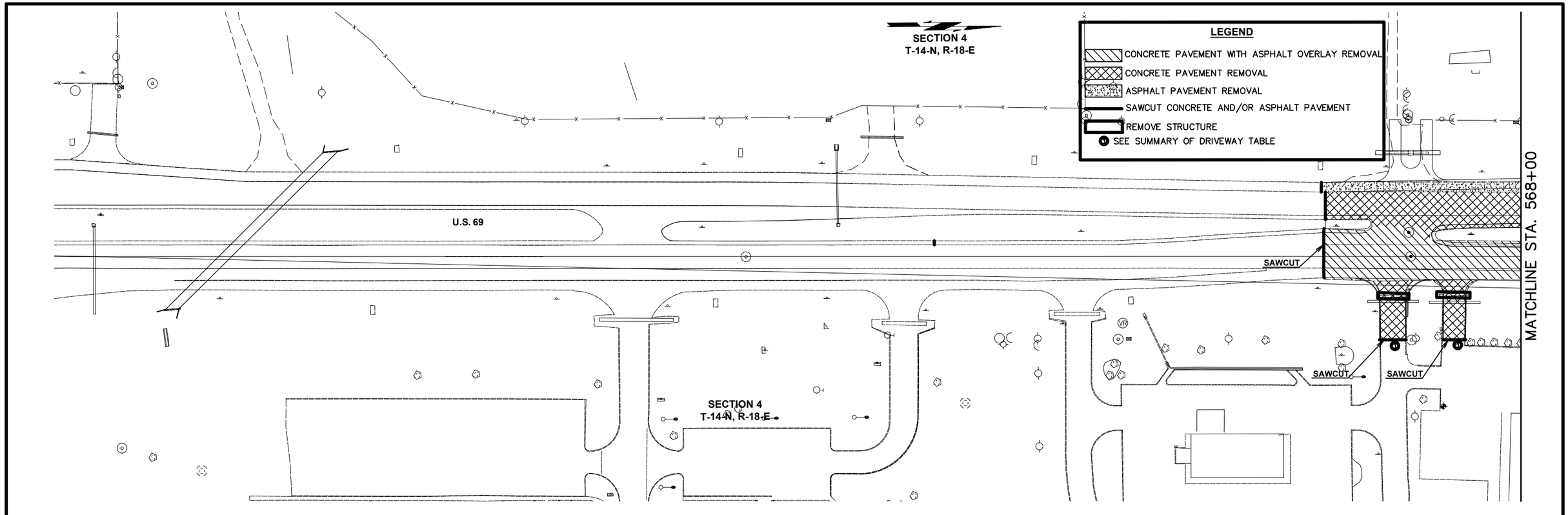

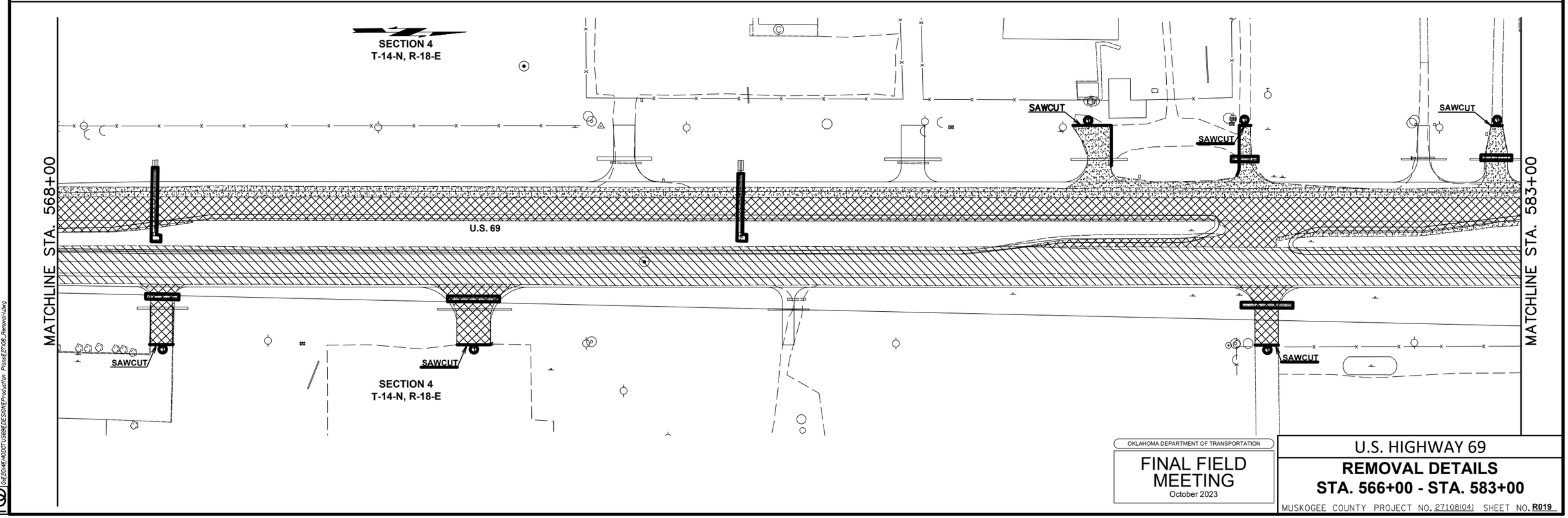

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
October 2023

U.S. HIGHWAY 69

REMOVAL DETAILS
STA. 566+00 - STA. 583+00

MUSKOGEE COUNTY PROJECT NO. 27108(04) SHEET NO. **R019**

HNB Engineers
Time of Plot: 11/21/2023 Plot Style: HPBISONLCTB
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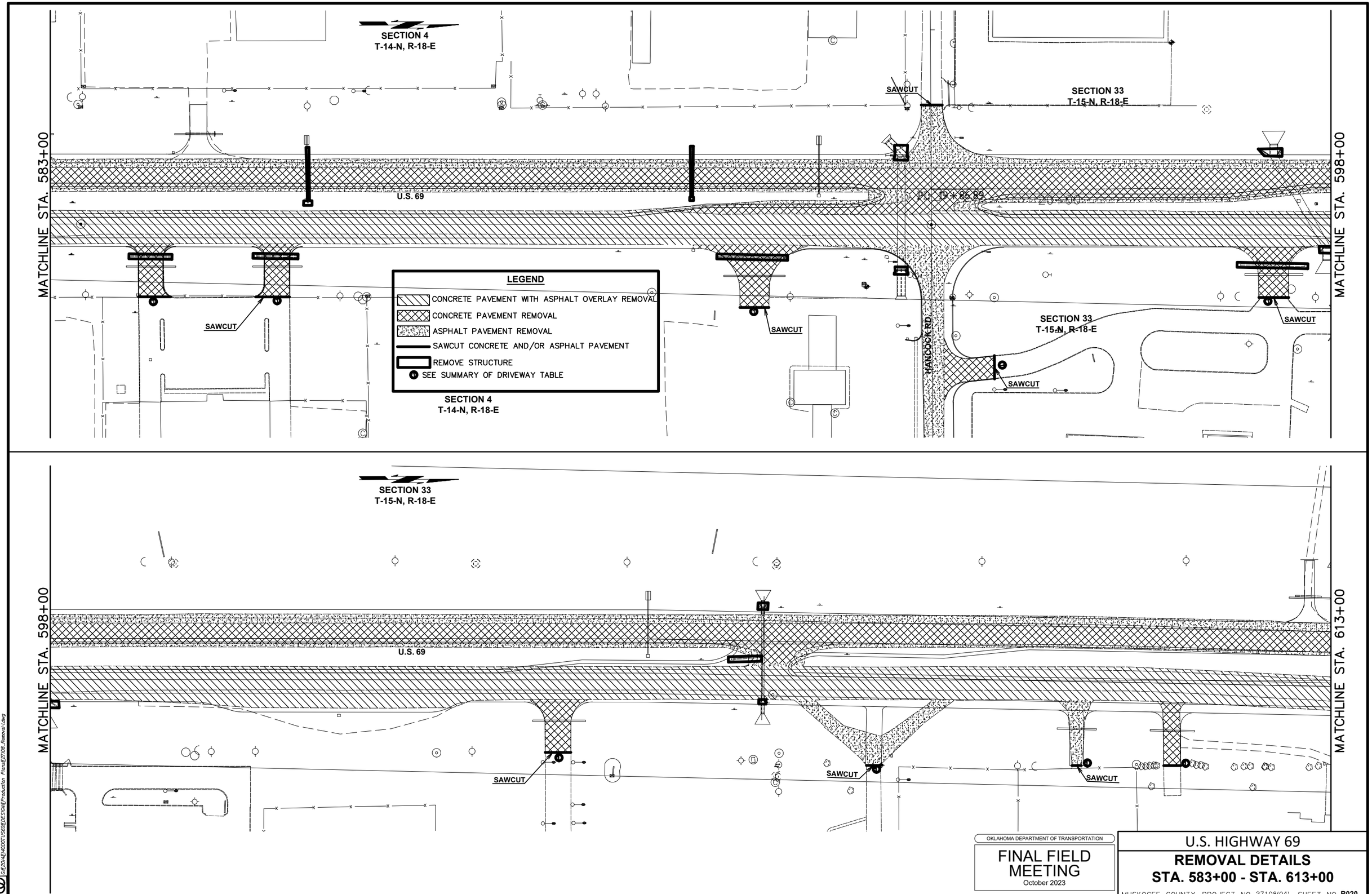

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
October 2023

U.S. HIGHWAY 69

REMOVAL DETAILS
STA. 583+00 - STA. 613+00

MUSKOGEE COUNTY PROJECT NO. 27108(04) SHEET NO. R020

HUB Engineers
Time of Plot: 11/21/2023 Plot Style: HRBISON.CTB
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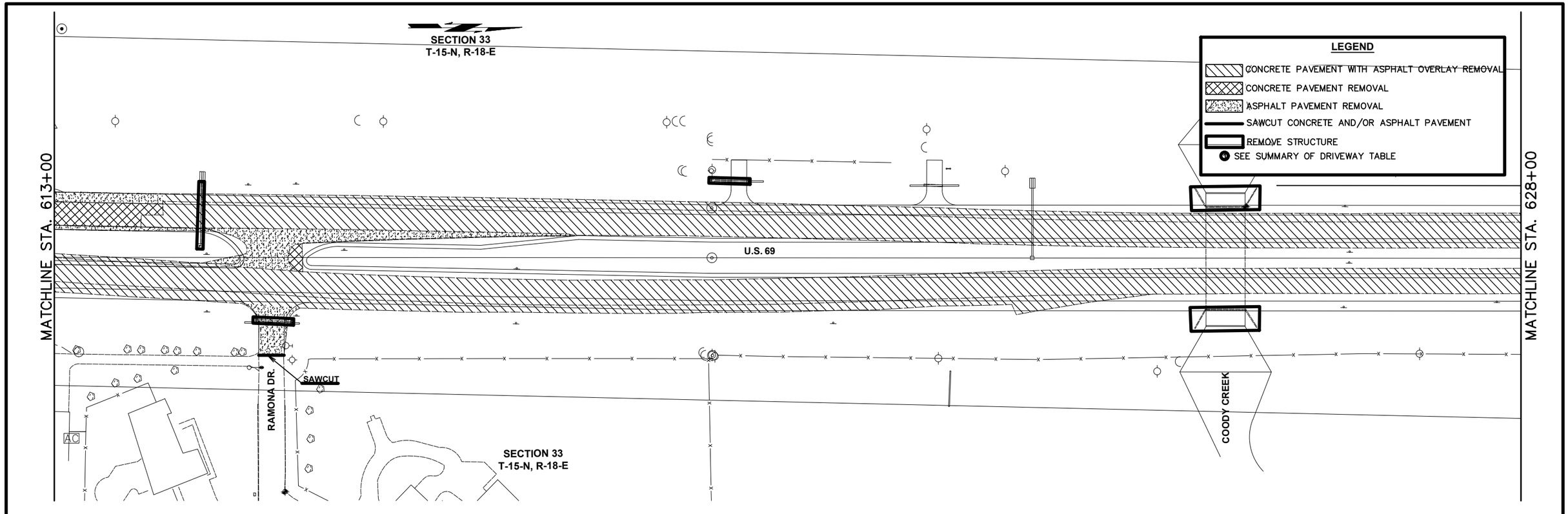
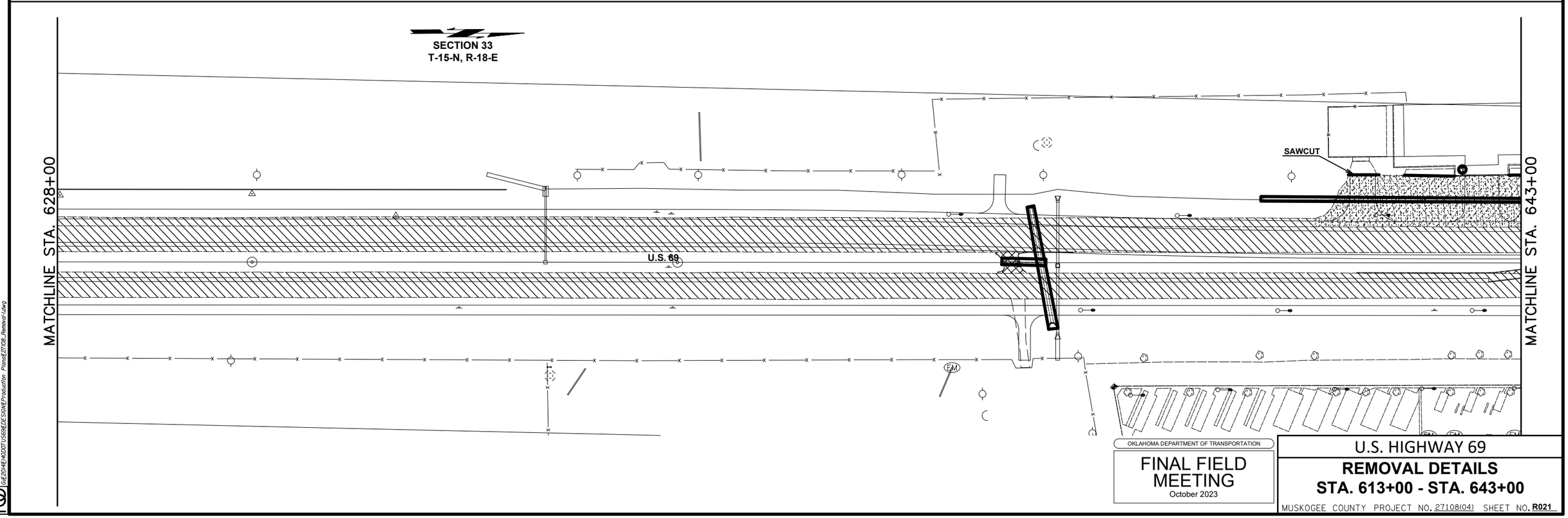




OKLAHOMA DEPARTMENT OF TRANSPORTATION

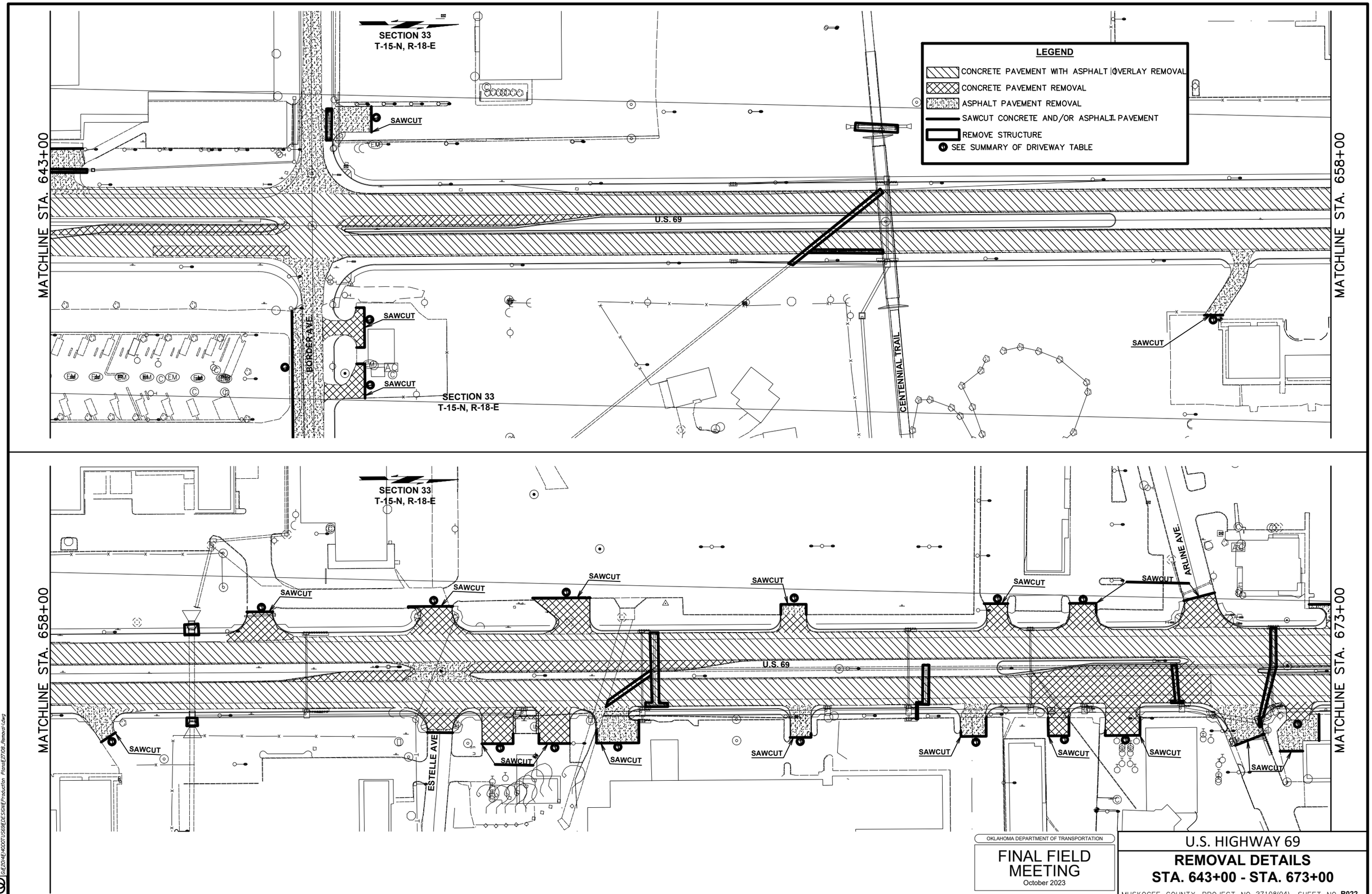
FINAL FIELD MEETING
October 2023

U.S. HIGHWAY 69

REMOVAL DETAILS
STA. 613+00 - STA. 643+00

MUSKOGEE COUNTY PROJECT NO. 27108(04) SHEET NO. **R021**

HUB Engineers
Time of Plot: 11/21/2023 Plot Style: HRBISON.CTB
cd:\2041E\40\OOTI\USGS\DESIGN\Production Plans\27108_Removal-1.dwg



OKLAHOMA DEPARTMENT OF TRANSPORTATION

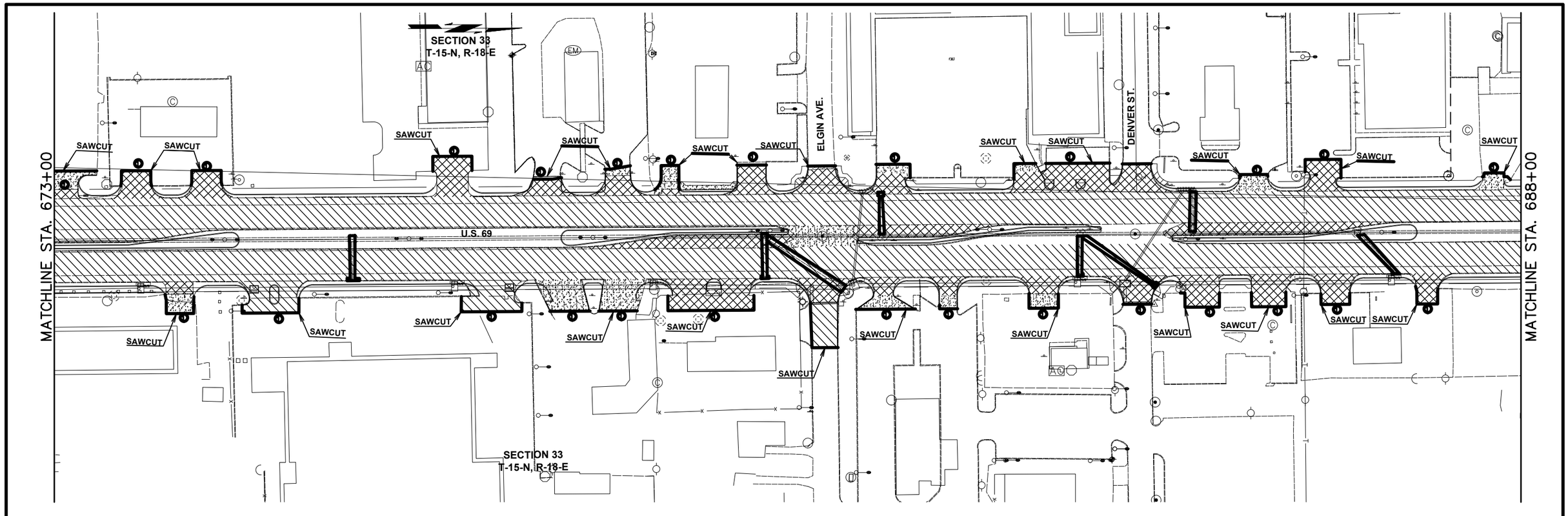
FINAL FIELD MEETING
October 2023

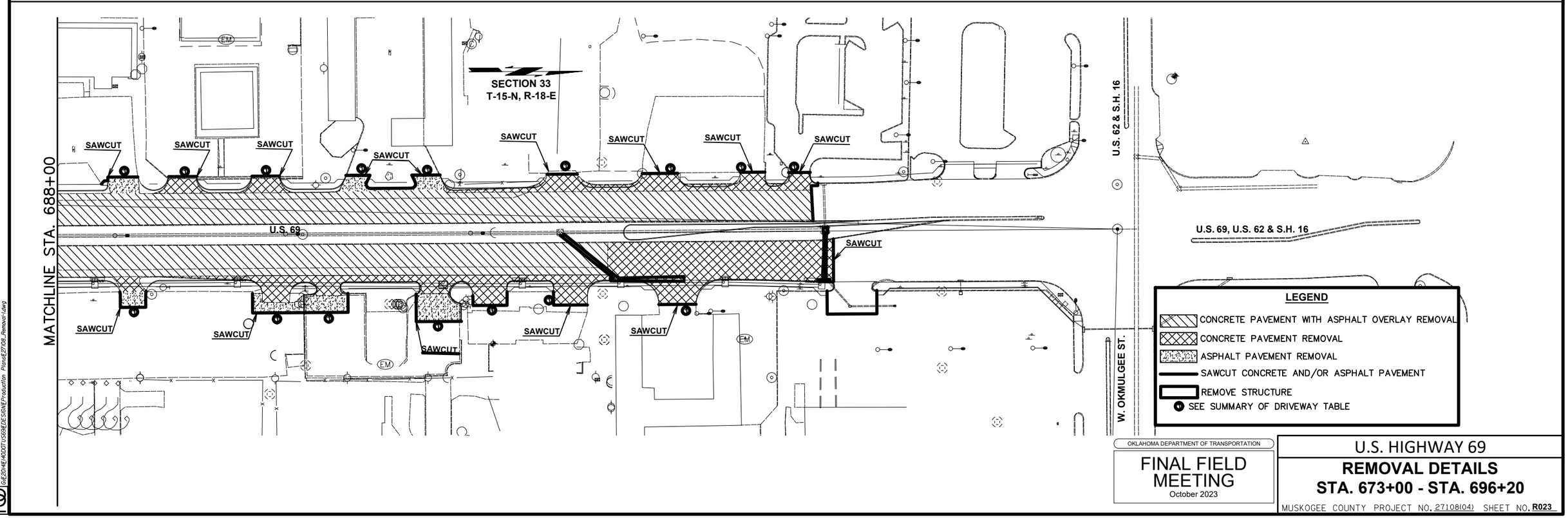
U.S. HIGHWAY 69

REMOVAL DETAILS
STA. 643+00 - STA. 673+00

MUSKOGEE COUNTY PROJECT NO. 27108(04) SHEET NO. **R022**

HDB Engineers
Time of Plot: 11/21/2023 Plot Style: HRBISON.CTB
cd:\2041E\40\OOTI\USGM\DESIGN\Production Plans\27108_Removal-1.dwg





OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
October 2023

U.S. HIGHWAY 69

REMOVAL DETAILS
STA. 673+00 - STA. 696+20

MUSKOGEE COUNTY PROJECT NO. 27108(04) SHEET NO. R023

HNTB Engineers
Time of Plot: 11/21/2023 Plot Style: HFBISONLCTB
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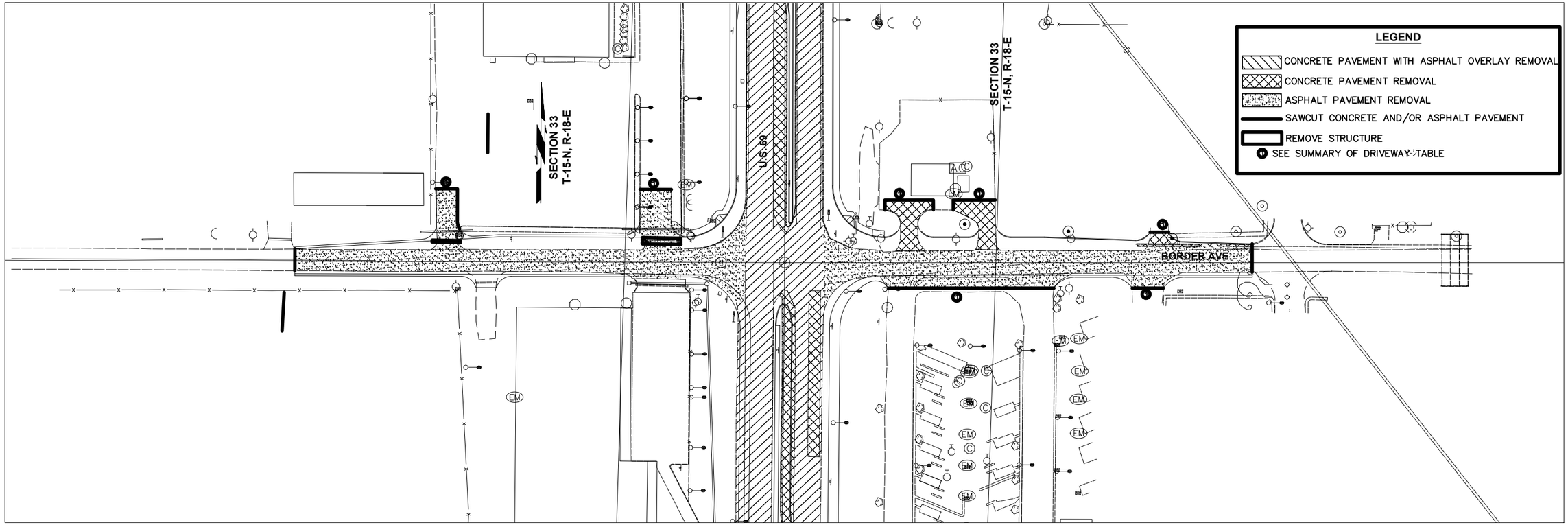
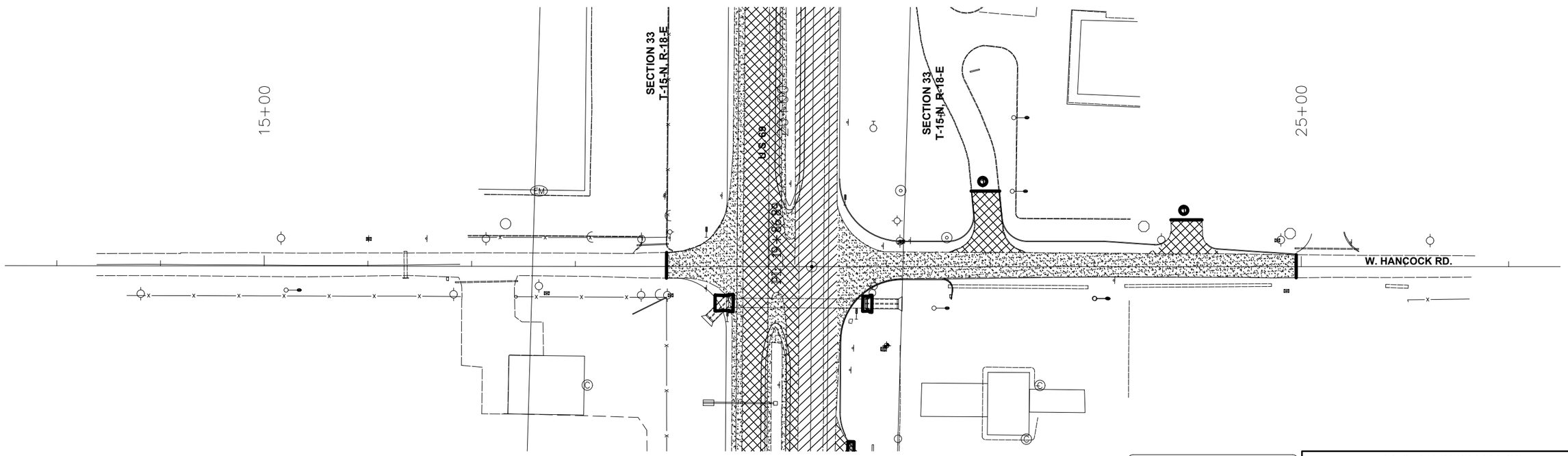




OKLAHOMA DEPARTMENT OF TRANSPORTATION

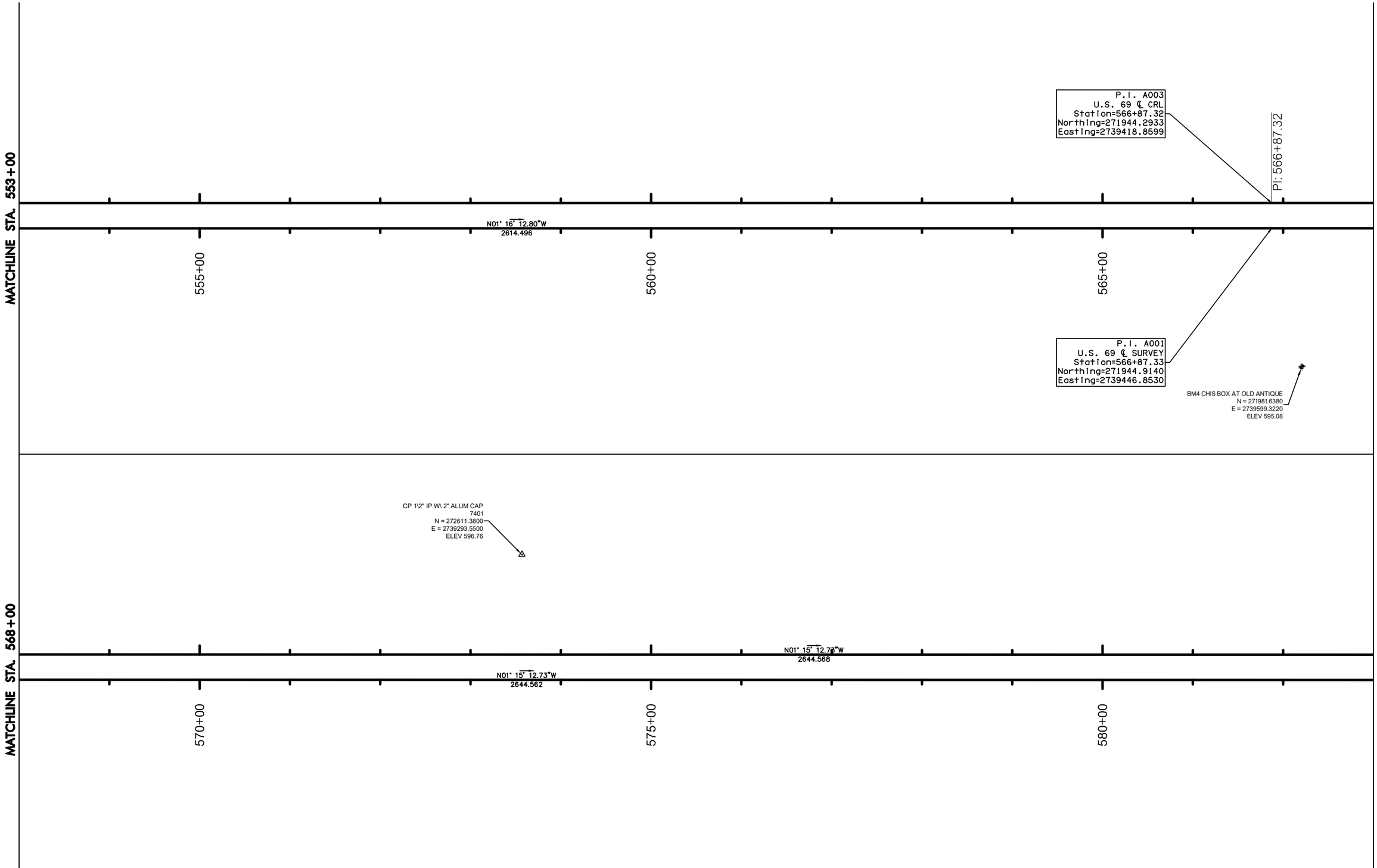
FINAL FIELD MEETING
October 2023

U.S. HIGHWAY 69

REMOVAL DETAILS
HANCOCK RD., BORDER AVE.

MUSKOGEE COUNTY PROJECT NO. 27108(04) SHEET NO. R024

HNB Engineers Plot Style: HPBISON.CTB
Time of Plot: 11/21/2023 Plot: G:\E20\ME\4ODOT\USSR\DESIGN\Production Plans\27108_Removal-1.dwg



OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

$$$$DATE$$$

U.S. HIGHWAY 69

GEOMETRIC LAYOUT (1 OF 7)

MUSKOGEE COUNTY PROJECT NO. 27108(04) SHEET NO. R025

HUB Engineers
Time of Plot: 11/21/2023 4:07 PM Plot Style: HUB-HALF.CTB
G:\2014\4400TUSSG\DESIGN\Production Plans\07\06_GEOMETRIC LAYOUT.dwg

MATCHLINE STA. 583+00

MATCHLINE STA. 598+00

N01° 15' 12.73"W
2644.568

N01° 15' 12.73"W
2644.562

585+00

590+00

595+00

P.I. A008
W. HANCOCK ST.℄ CRL
Station=19+86.89
Northing=274587.6860
Easting=2739347.9010

PI: 593+31.89

PI: 19+86.89

20+00

BM7 CHIS BOX NW COR PARKING LOT
7
N = 274865.2140
E = 2739169.4630
ELEV 593.28

BM6 CITY OF MUSKOGEE H-24
N = 274514.9000
E = 2739463.3310
ELEV 594.02

P.I A001
U.S. 69 ℄ SURVEY
Station=593+31.89
Northing=274588.8430
Easting=2739388.9990

CP 1\2" IP W\2"ALUM CAP
7402
N = 274740.1120
E = 2739509.7690
ELEV 593.52

(*)NOTE:
SIDE STREET STATIONING
IS BASED OFF OF THE
SIDE STEET ℄.

MATCHLINE STA. 598+00

MATCHLINE STA. 613+00

CP 1\2" IP W\ 2"ALUM CAP
7403
N = 276552.8120
E = 2739211.8320
ELEV 591.90

P.I. A003
U.S. 69 ℄ CRL
Station=605+00.00
Northing=275756.0609
Easting=2739335.4057

PI: 605+00.00

N01° 15' 20.81"W
1168.113

N01° 15' 20.81"W
2640.521

N00° 09' 58.86"W
1472.675

N01° 15' 20.81"W
2640.521

600+00

605+00

610+00

BM8 CHISX NW COR CONC DRV
8
N = 276031.7190
E = 2739457.5240
ELEV 589.83

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD
MEETING
$$$$DATE$$$$

U.S. HIGHWAY 69

GEOMETRIC LAYOUT (2 OF 7)

MUSKOGEE COUNTY PROJECT NO. 27108(04) SHEET NO. R026

HUB Engineers
Time of Plot: 11/21/2023 4:07 PM Plot Style: HUB-HALF.CTB
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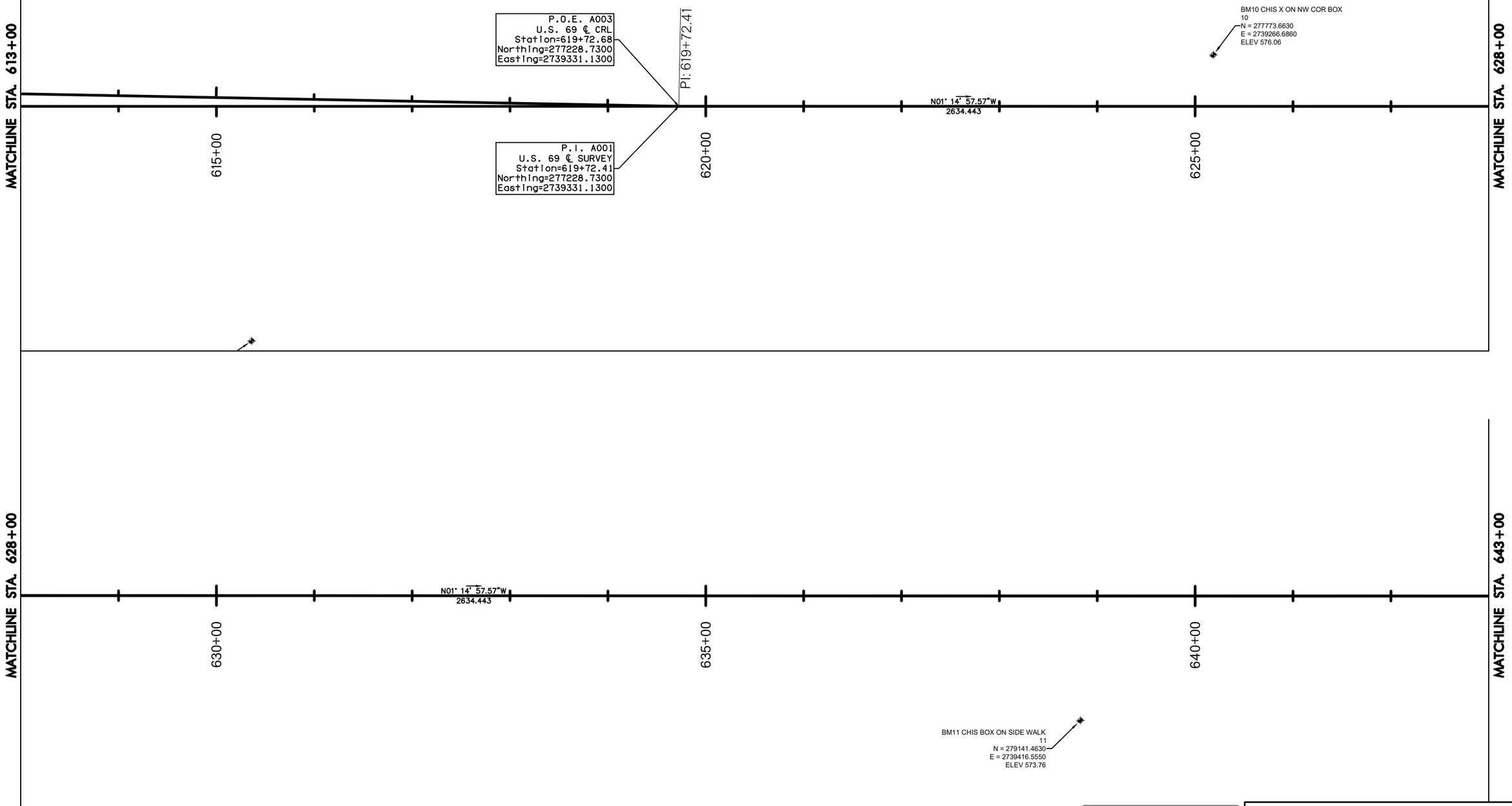
OKLAHOMA DEPARTMENT OF TRANSPORTATION

REVISED PROPOSED R/W

SEPTEMBER, 2022



OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

$$$$DATE$$$

U.S. HIGHWAY 69

GEOMETRIC LAYOUT (3 OF 7)

MUSKOGEE COUNTY PROJECT NO. 27108(04) SHEET NO. R027

HUB Engineers
Time of Plot: 11/21/2023 4:07 PM Plot Style: HUB-HALF.CTB
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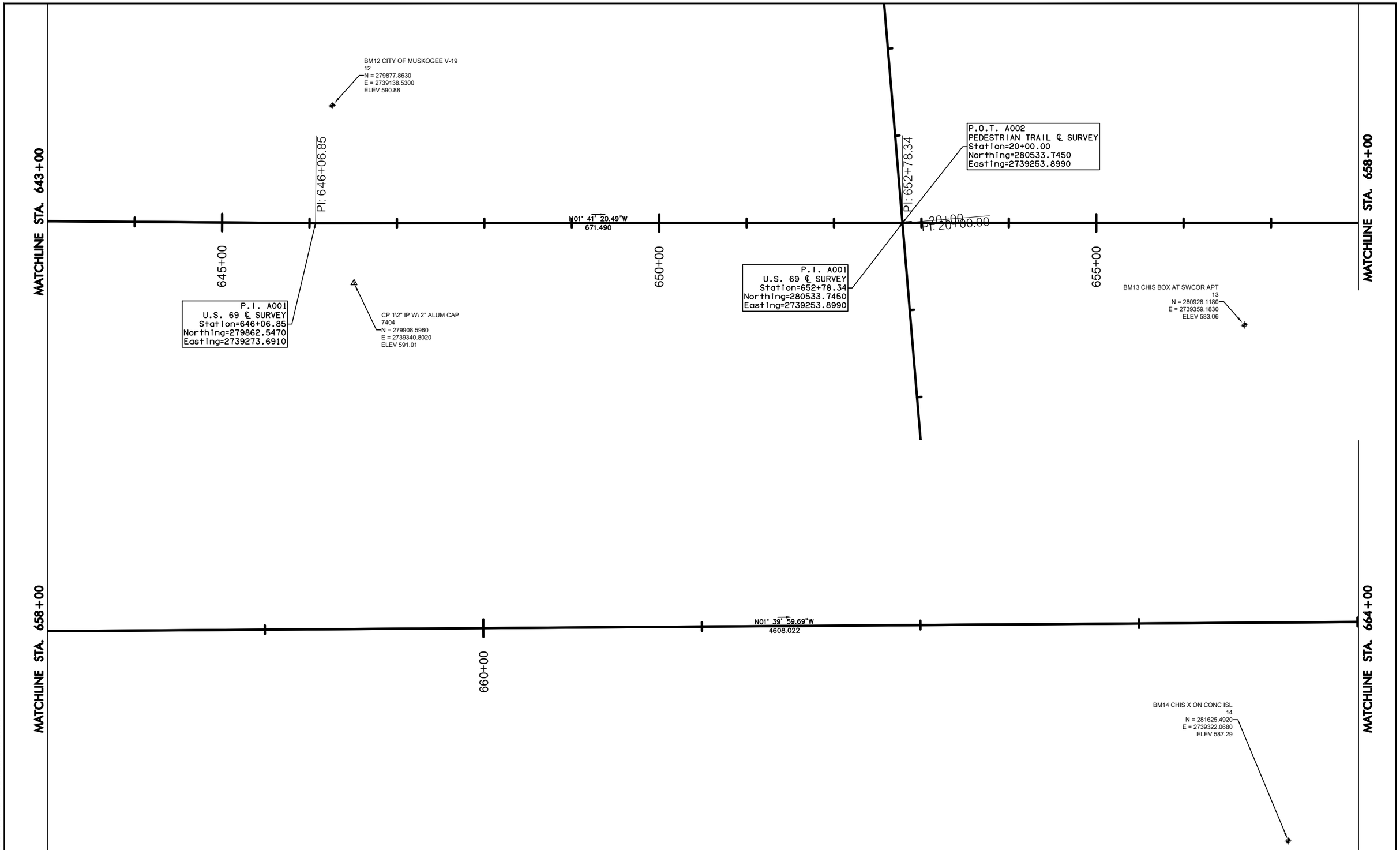

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

$$$$DATE$$$

U.S. HIGHWAY 69

GEOMETRIC LAYOUT (4 OF 7)

MUSKOGEE COUNTY PROJECT NO. 27108(04) SHEET NO. R028

HUB Engineers
Time of Plot: 11/21/2023 4:07 PM Plot Style: -HUB-HALF.CTB
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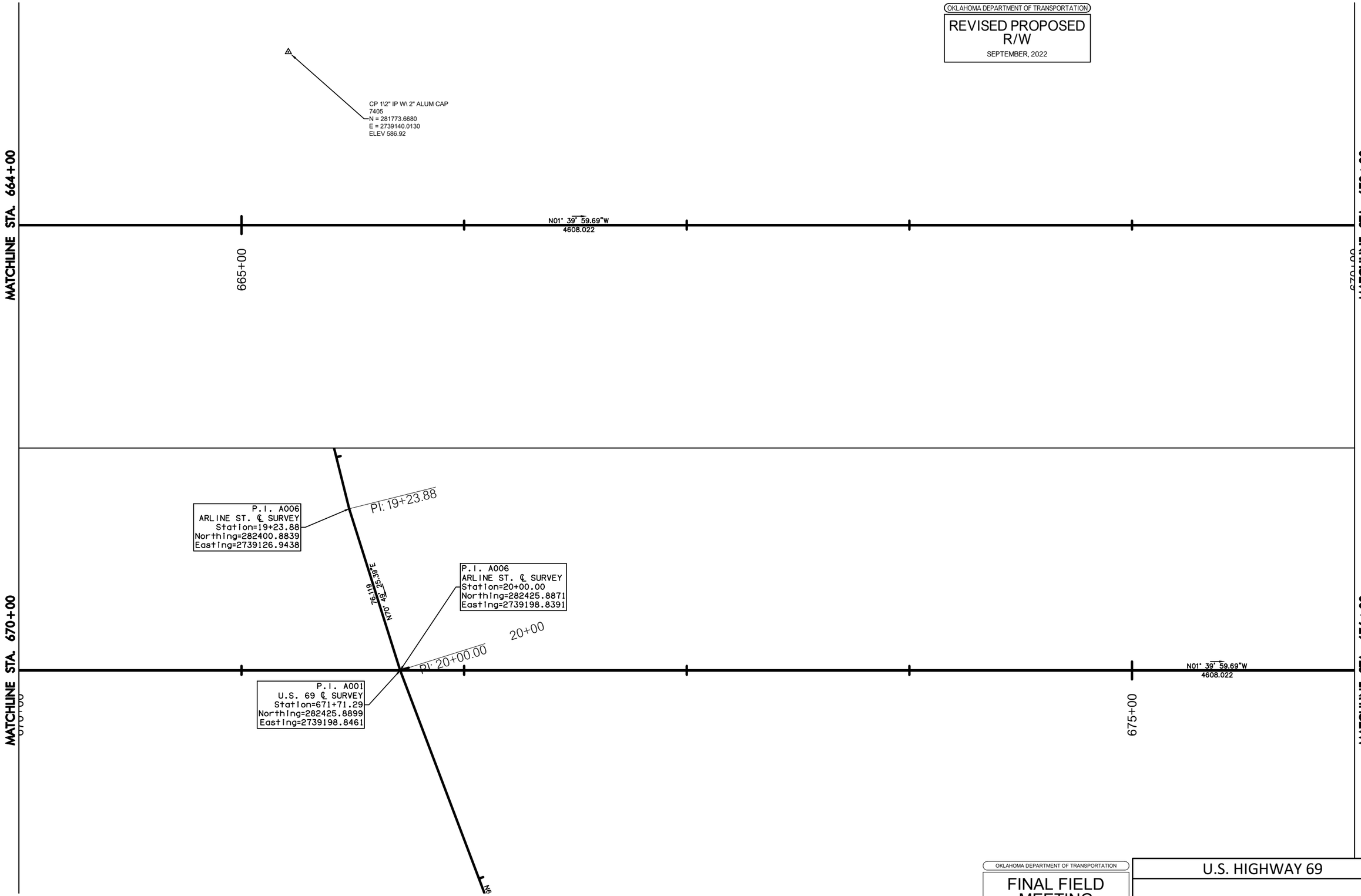
OKLAHOMA DEPARTMENT OF TRANSPORTATION

REVISED PROPOSED
R/W
SEPTEMBER, 2022



HUB Engineers
Time & Date: 11/21/2023 4:07 PM Plot Style: HUB-HALF.CTB
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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD
MEETING
$$$$DATE$$$

U.S. HIGHWAY 69

GEOMETRIC LAYOUT (5 OF 7)

MUSKOGEE COUNTY PROJECT NO. 27108(04) SHEET NO. R029

MATCHLINE STA. 676+00

N01° 39' 59.69"W
4608.022

680+00

MATCHLINE STA. 682+00

MATCHLINE STA. 682+00

N01° 39' 59.69"W
4608.022

685+00

MATCHLINE STA. 688+00

CP 1\2" IP W\ 2" ALUM CAP
7406
N = 283680.5360
E = 2739234.2030
ELEV 604.85

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
$$$$DATE$$$

U.S. HIGHWAY 69

GEOMETRIC LAYOUT (6 OF 7)

MUSKOGEE COUNTY PROJECT NO. 27108(04) SHEET NO. R030

HUB Engineers
Time of Plot: 11/21/2023 4:07 PM Plot Style: HUB-HALF.CTB
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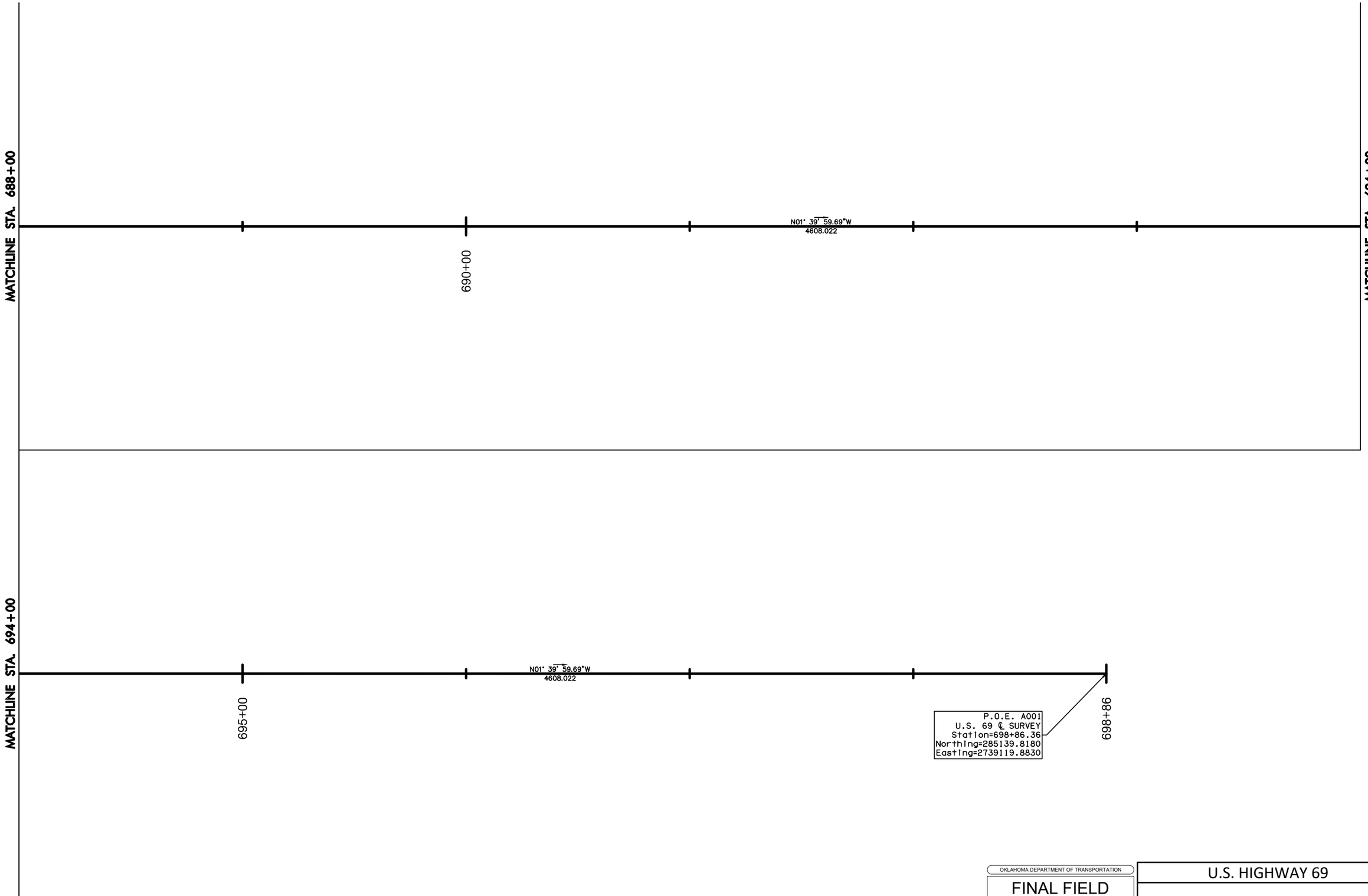

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

$$$$DATE$$$

U.S. HIGHWAY 69

GEOMETRIC LAYOUT (7 OF 7)

MUSKOGEE COUNTY PROJECT NO. 27108(04) SHEET NO. R031

HUB Engineers
Time of Plot: 11/21/2023 4:07 PM Plot Style: HUB-HALF.CTB
G:\2041-ODOT\USSG\DESIGN\Production Plans\27108_GEOMETRIC LAYOUT.dwg

OKLAHOMA DEPARTMENT OF TRANSPORTATION

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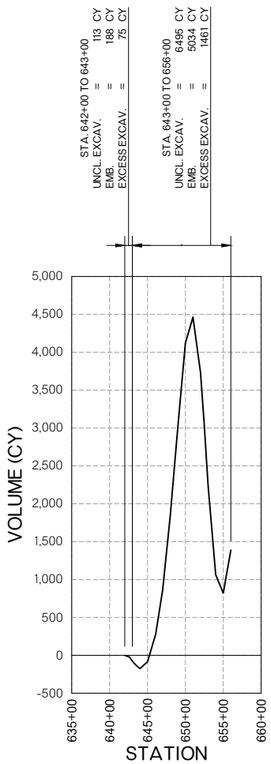
8/29/23

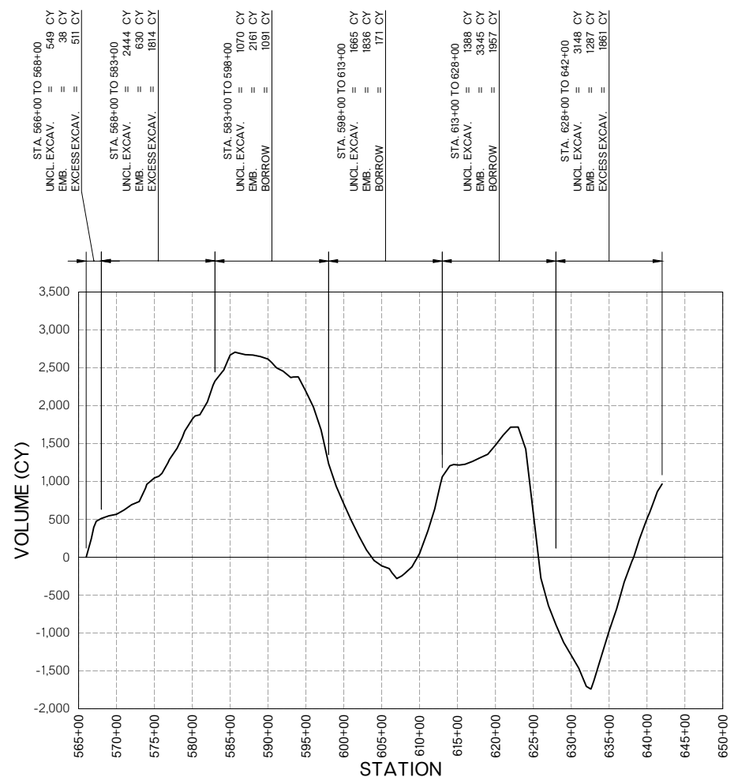
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

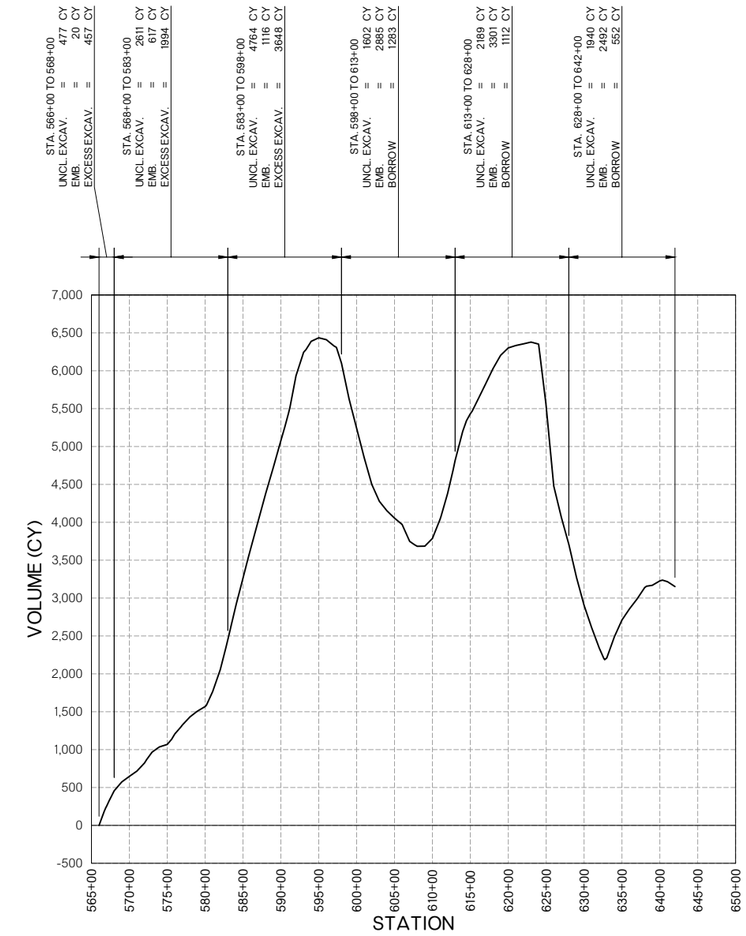
8/29/23



PHASE - 1



PHASE - 2



PHASE - 3

MASS LINE DIRECTION

EXCAVATION CUT

EMBANKMENT FILL

THE CONTRACTOR SHALL NOT WASTE ANY EXCESS EXCAVATION UNTIL ALL PLANNED EMBANKMENTS ARE COMPLETED. IF CONTRACTOR OPERATIONS REQUIRE HIM TO STOCKPILE THE EXCESS EXCAVATION, THE COST OF THE SECOND HAULING SHALL BE INCLUDED IN OTHER ITEMS OF WORK.

MASS HAUL DIAGRAM PROVIDES FOR BIDDING PURPOSES ONLY. ACTUAL BALANCE POINTS TO BE DETERMINED BY CHARACTER OF MATERIAL ENCOUNTERED DURING CONSTRUCTION. WHENEVER POSSIBLE, THE CONTRACTOR SHALL SEQUENCE EARTHWORK OPERATIONS IN ORDER TO OBTAIN THE MATERIAL FROM THE CUT SECTION FOR USE AS FILL RATHER THAN OBTAINING UNCLASSIFIED BORROW. MATERIAL DEPICTED AS WASTE SHALL ONLY BE CONSIDERED WASTE ONCE ALL EARTHWORK OPERATIONS HAVE BEEN COMPLETED. THIS MATERIAL SHALL BE USED TO REDUCE THE NEED FOR UNCLASSIFIED BORROW AT ANY LOCATION AND TIME THROUGH THE DURATION OF THE PROJECT.

DESIGN	WS	12/19
DRAWN	AJ	12/19
CHECKED	WS	12/19
APPROVED		
SQUAD	HBE	ENGINEERS

OKLAHOMA DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN DIVISION

MASS HAUL (1 OF 2)

COUNTY MUSKOGEE HIGHWAY U.S.-69 STATE JOB NO. 27108(04) SHEET NO. R032

HUB Engineers
Time of Plot: 11/21/2023 4:07 PM Plot Style: --HUB--HALF.CTB
G:\2014\140001\969\DESIGN\Production Plans\27108_MASS DIAGRAM.dwg

OKLAHOMA DEPARTMENT OF TRANSPORTATION

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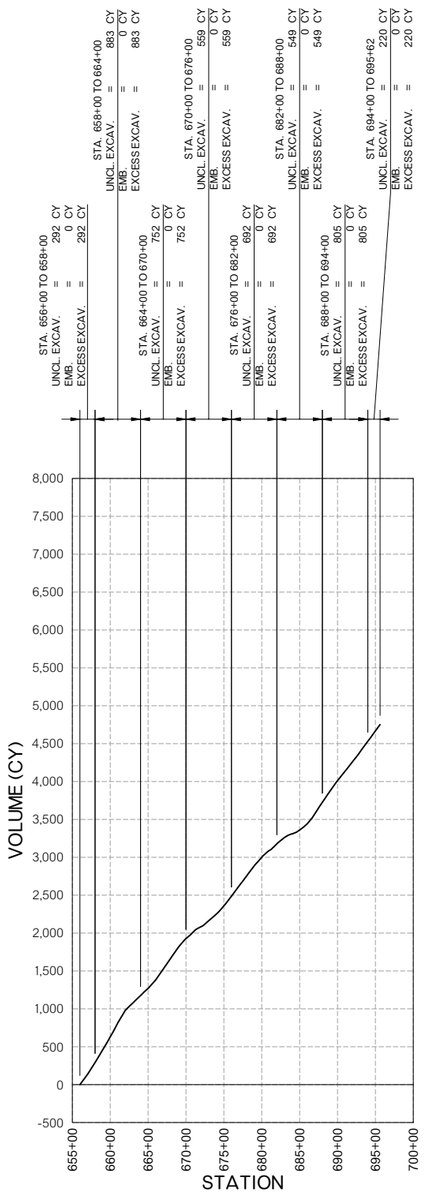
8/29/23

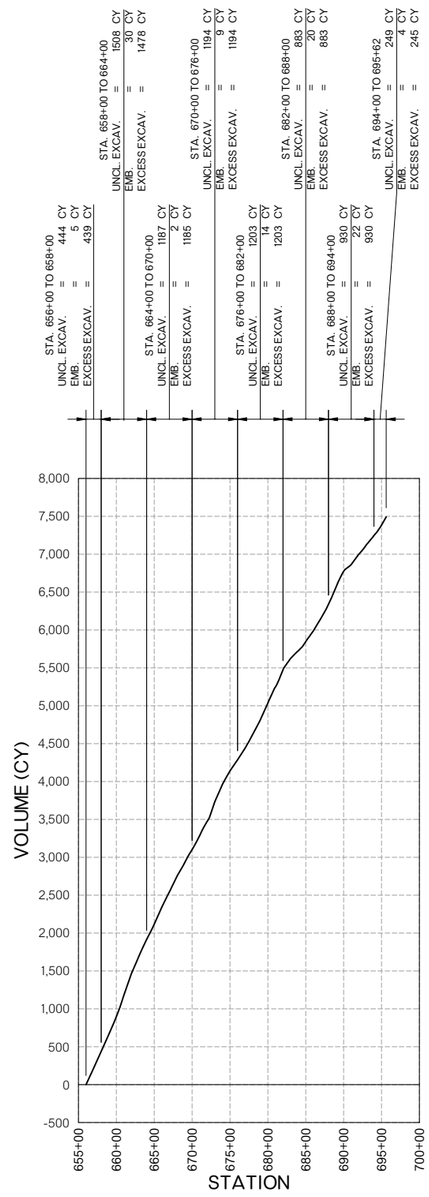
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

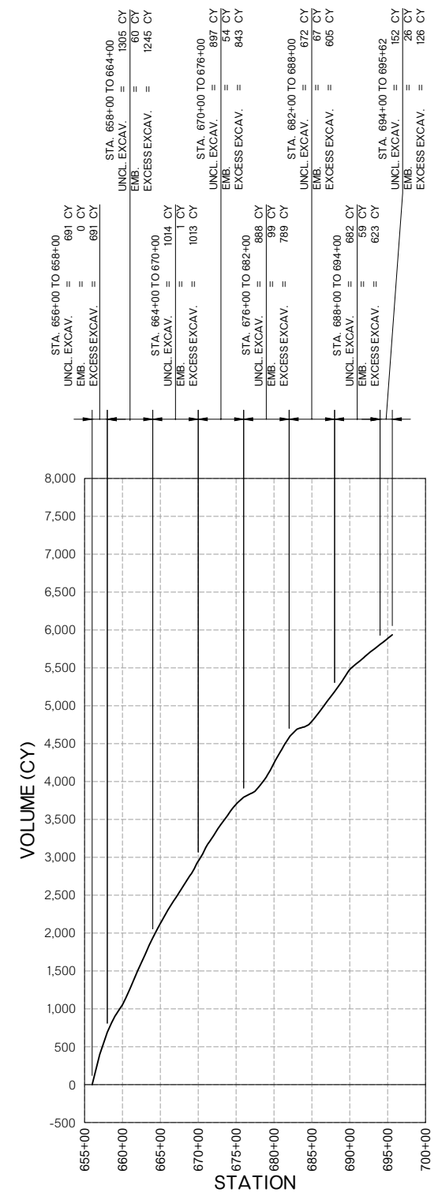
8/29/23



PHASE - 5



PHASE - 6



PHASE - 7

THE CONTRACTOR SHALL NOT WASTE ANY EXCESS EXCAVATION UNTIL ALL PLANNED EMBANKMENTS ARE COMPLETED. IF CONTRACTOR OPERATIONS REQUIRE HIM TO STOCKPILE THE EXCESS EXCAVATION, THE COST OF THE SECOND HAULING SHALL BE INCLUDED IN OTHER ITEMS OF WORK.

MASS HAUL DIAGRAM PROVIDES FOR BIDDING PURPOSES ONLY. ACTUAL BALANCE POINTS TO BE DETERMINED BY CHARACTER OF MATERIAL ENCOUNTERED DURING CONSTRUCTION. WHENEVER POSSIBLE, THE CONTRACTOR SHALL SEQUENCE EARTHWORK OPERATIONS IN ORDER TO OBTAIN THE MATERIAL FROM THE CUT SECTION FOR USE AS FILL RATHER THAN OBTAINING UNCLASSIFIED BORROW. MATERIAL DEPICTED AS WASTE SHALL ONLY BE CONSIDERED WASTE ONCE ALL EARTHWORK OPERATIONS HAVE BEEN COMPLETED. THIS MATERIAL SHALL BE USED TO REDUCE THE NEED FOR UNCLASSIFIED BORROW AT ANY LOCATION AND TIME THROUGH THE DURATION OF THE PROJECT.

MASS LINE DIRECTION

EXCAVATION CUT

EMBANKMENT FILL

DESIGN	WS	12/19
DRAWN	AJ	12/19
CHECKED	WS	12/19
APPROVED		
SQUAD	hub ENGINEERS	

OKLAHOMA DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN DIVISION

MASS HAUL (2 OF 2)

COUNTY MUSKOGEE HIGHWAY U.S.-69 STATE JOB NO. 27108(04) SHEET NO. R033

HUB Engineers
Time of Plot: 11/21/2023 4:07 PM Plot Style: --HUB--HALF.CTB
Q:\2014\140201\569\DESIGN\Production Plans\27108_MASS DIAGRAM.dwg

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

November 2023

MATCHLINE STA. 553+00

MATCHLINE STA. 568+00

555+00

560+00

565+00

SECTION 4
T-14-N, R-18-E

STA. 562+00 TO
STA. 566+48 CONST.
CROSSOVER NO. 1

ABANDON

S2

TOS OR
TOC

STA. 566+73 LT
CONST. TYP 1 PVT. DRIVE

STA. 567+03 LT
CONST. TYP 1
PVT. DRIVE

PRES. R/W

N 1°16'13" W

U.S. 69 U.S. 62 & S.H. 16

CRL

℄ SURVEY

28'-0"

(CRCP)

(Asph. OL)

(Conc.)

(Grav.)

S1

STA. 566+69 RT
CONST. COMM. DRV.

S3

HADDOCK DR.

P.O.T STA 566+85.61
ON EW 895

STA. 567+32 RT
CONST. COMM. DRIVE

+90.0
160.2'

+62.4
181.5'

+57.3
181.3'

+41 24"x30' RCP CD
FL 589.32 LT
FL 582.36 RT

+42 CONC. ST. RET.
w/40"x76' CMP R

+70 CONC. ST. RET.
w/25'35'x45' CMPA R

+45 CONC. ST. RET.
w/25'35'x47' CMPA R

+45 CONC. ST. RET.
w/24"x29' CMP R

+32 CONC. DR w/24"x30' CMP R

BM2, CL SURVEY
STA. 553+72.4, 260.3' RT
OSHD MON M-51-4
EL. 588.08

BM3, CL SURVEY
STA. 560+42.5, 261.8' RT
CHISELED 'X' ON TOP CONCRETE AT
FLAG POLE
EL. 595.34

BM4, CL SURVEY
STA. 567+20.7, 153' RT
CHISELED BOX SW COR SIDEWALK AT
ANTIQUE MALL
EL. 595.08

UTILITIES

FIBER OPTIC &
TELEPHONE (UNDERGROUND)
AT&T
(405) 250-7645
ATTEN: GREG GILLY

WATER & SANITARY SEWER
CITY OF MUSKOGEE
P.O. BOX 1927
MUSKOGEE, OK 74402-1927
(918) 682-6602

ELECTRIC
OKLAHOMA GAS & ELECTRIC
321 NORTH HARVEY AVENUE
OKLAHOMA CITY, OK 73102-3405
(405) 553-3000

GAS
OKLAHOMA NATURAL GAS
401 N. HARVEY
OKLAHOMA CITY, OK 73101
(800) 664-5463

E.G. ALONG
CL SURVEY

INV. 592.16
FL PIPE 590.04

EXIST. GAS LINE

EXIST. WATER LINE

STA. 566+68 STR. NO. S1
CONST. 28'x20'x52' LG CGSPA
SD ', RT, w/PCES

STA. 567+33 STR. NO. S3
CONST. 28'x20'x52' LG CGSPA
SD ', RT, w/PCES

L=200.00'
K=594.06
V=70mph

PVC 567+00.00
ELEV=597.21

PVI 568+00.00
ELEV=597.67

TG 595.98
FL 591.75

0.46%

EG S.B.

EG N.B.

SP. DITCH RT.

SP.
DITCH LT.

CRL STA. 561+00
BEGIN INCIDENTAL CONST.

CRL STA. 566+00
END INCIDENTAL CONST.
BEGIN PROJECT

CRL STA. 566+88
STR. NO. S2
CONST. INLET
SMD TYPE 2
w/ 49"x33"x66.06' LG CGSPA
SD ', LT, w/PCES

EX.FL 583.13 LT
581.92 RT

590.1 E.G. CL SURVEY

590.4 590.2 590.4 590.8 591.5 591.9 592.4 592.9 593.6 594.1 594.6 595.0 595.6 595.7 596.0 596.0 596.4 596.2 596.4 596.2 596.4 596.4 596.4 596.3 596.5 N.B. 596.7 596.67 596.6 596.94 596.7 597.21 596.9 597.42 596.9 597.59

615 610 605 600 595 590 585 580 575

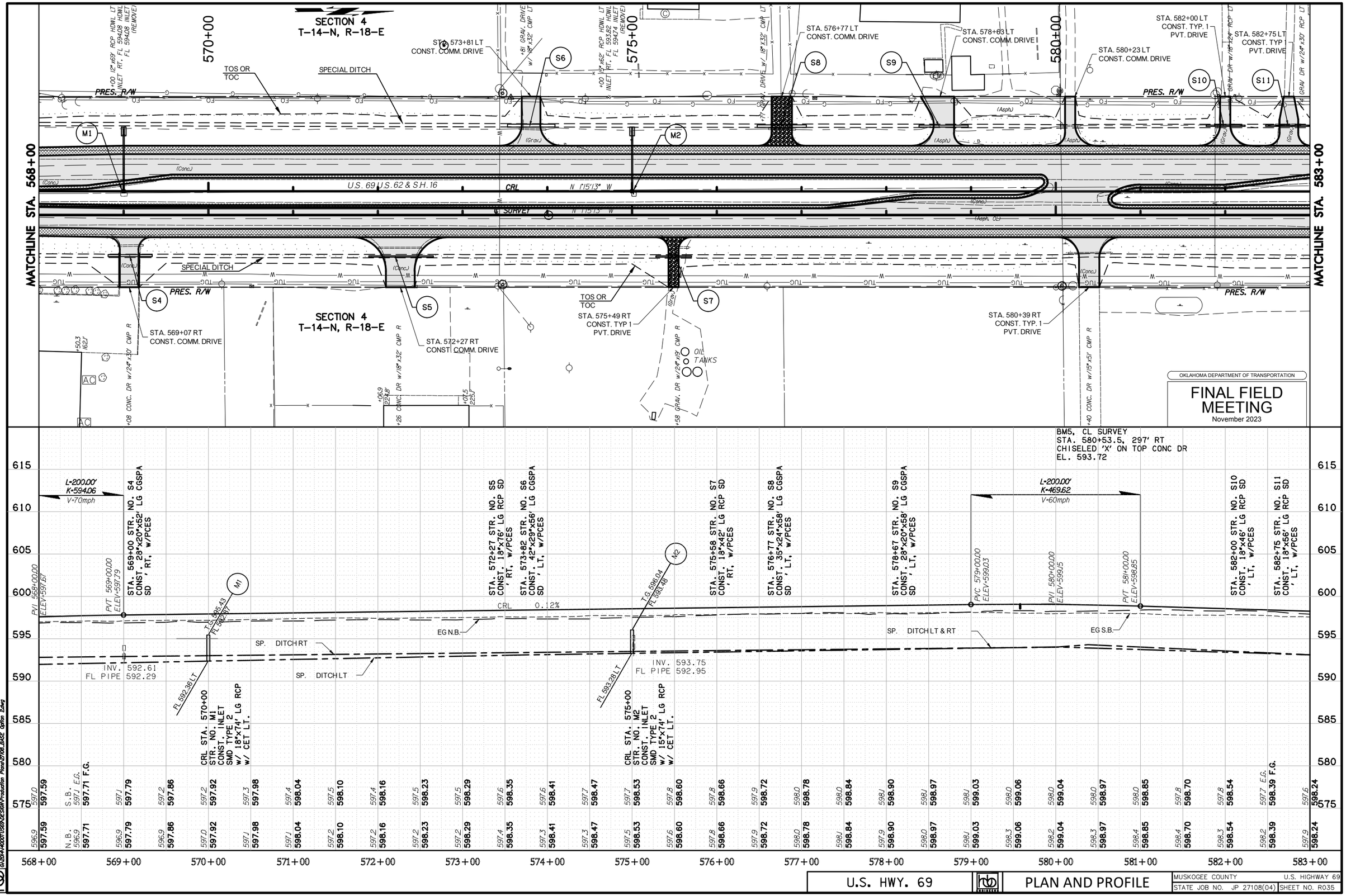
553+00 554+00 555+00 556+00 557+00 558+00 559+00 560+00 561+00 562+00 563+00 564+00 565+00 566+00 567+00 568+00

U.S. HWY. 69

PLAN AND PROFILE

MUSKOGEE COUNTY	U.S. HIGHWAY 69
STATE JOB NO. JP 27108(04)	SHEET NO. R034

HUB Engineers
Time of Plot: 11/30/2023 1:51 PM Plot Style: MONOCHROME.CTB
G:\2014\40011058\DESIGN\Production Plans\07106_BASE Option 1.dwg



U.S. HWY. 69

PLAN AND PROFILE

MUSKOGEE COUNTY	U.S. HIGHWAY 69
STATE JOB NO. JP 27108(04)	SHEET NO. R035

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

November 2023

SECTION 4
T-14-N, R-18-E

SECTION 33
T-15-N, R-18-E

MATCHLINE STA. 583+00

MATCHLINE STA. 598+00

585+00

590+00

595+00

STA. 584+73 LT
CONST. TYP. 1
PVT. DRIVE

+74 GRAV DR w/24"x34' CMP LT

+02 63' RCP HDWL LT INLET RT (REMOVE)

+22.5 214.8

+81.4 189.0

+102.4 188.7

+51 12"x62' CMP HDWL LT INLET RT, FL 590.72 HDWL (REMOVE)

+87.5 218.9

+44.2 218.5'

+96 2-4'x2'x148' RCB FL 589.98 LT FL 589.24 RT FL 589.24 RT (EXTEND)

STA. 593+31.89
CONST. ST. RETURN
SEE HANCOCK ST. P&P

+03.6 219.4'

+04.0 218.7'

+80 8'x3'x126' RCB, SK 30° RF FL 587.34 LT FL 586.38 RT (EXTEND)

PI: 593+31.89

PRES. R/W

SPECIAL DITCH

TOS OR TOC

S13

S12

S14

S15

S16

M3

M4

M5

CD1

CD2

(Conc.)

(Asph. OL)

N 71°57'13" W

CRL

U.S. 69 U.S. 62 & S.H. 16

N 71°51'13" W

℄ SURVEY

STA. 584+17 RT
CONST. COMM. DRIVE

+17 CONC. DR w/15"x22"x48' CMPA R

+29.0 207.9'

STA. 585+65 RT
CONST. COMM. DRIVE

+57.3 205.6'

+66 CONC. DR w/15"x22"x48' CMPA R

+70.43

STA. 587+00
BEGIN TAPER
54' RT

+00

12' PUE

STA. 589+00
END TAPER
60' RT

STA. 589+00 TO
STA. 592+70 RT
CONST. 6' WIDENING

STA. 591+25 RT
CONST. COMM. DRIVE

+22 CONC. DR w/15"x80' CMP R

+69.84

CONST. 8" BAR. CURB
TAPER 8" TO 2" HIGH
IN 10'

STA. 593+00 RT
CONST. CONC.
SLOPE WALL

HANCOCK RD.
ON EW 890

STA. 593+25.89

(*)NOTE:
SIDE STREET STATIONING IS
BASED OFF OF THE SIDE
STEET C.

+55.4 246.2'

+02.3 246.3'

+32 CONC. DR w/24"x76' CMP R

STA. 597+33 RT
CONST. COMM. DRIVE

BM6, CL SURVEY
STA. 592+51.6, 76.2' RT
3" BRASS MON-CITY OF MUSKOGEE
NETWORK STA H-24 FLUSH w/ GROUND
EL. 594.02

BM7, CL SURVEY
STA. 596+13, 213.4' LT
CHISELED BOX IN CONC PARKING
LOT ANTIQUE MALL
EL. 593.28

STA. 584+15 STR. NO. S12
CONST. 18"x58' LG RCP SD
' RT, w/PCES

STA. 584+75 STR. NO. S13
CONST. 18"x56' LG RCP SD
' LT, w/PCES

STA. 585+65 STR. NO. S14
CONST. 18"x58' LG RCP SD
' RT, w/PCES

STA. 591+20 STR. NO. S15
CONST. 18"x72' LG RCP SD
' RT, w/PCES

STA. 592+97 STR. NO. CD1
EXTEND EX. 2-4'x2'x138.6' LG RCB
SK 0°, 22.5' LT & 10.5' RT

L-200.00'
K-1236.27
V=70mph

PVC 592+00.00
ELEV=595.52

PVI 593+00.00
ELEV=595.22

PVT 594+00.00
ELEV=595.08

STA. 597+32 STR. NO. S16
CONST. 18"x68' LG RCP SD
' RT, w/PCES

STA. 597+32 STR. NO. CD2
EXTEND EX. 8'x3'x126.9' LG RCB
SK 30° RF, 14' LT & 16' RT

TG 594.84
FL 592.38
-0.30%

TG 593.68
FL 590.43

TG 592.07
FL 590.69

EG N.B.

EG S.B.

SP. DITCH LT & RT

INV. 593.17
FL PIPE 592.48

INV. 590.65
FL PIPE 590.40

FL 592.00 LT

FL 590.40 LT

CRL STA. 586+00
STR. NO. M3
CONST. INLET
SMD TYPE 2
w/ 15"x74' LG RCP
w/ CET LT.

CRL STA. 592+00
STR. NO. M4
CONST. INLET
SMD TYPE 2, 6' LT
w/ 15"x68' LG RCP
w/ CET LT.

EX.FL 589.98 LT
589.24 RT
NEW FL 590.10 LT

SP. DITCH LT

CRL STA. 597+62
STR. NO. M5
CONST. INLET
SMD TYPE 2
OVER EXIST.
8'x3' RCB

SP. DITCH RT

EX.FL 587.34 LT
586.38 RT
NEW FL 587.50 LT
FL 586.00 RT

Station	Elevation
583+00	598.24
584+00	597.94
585+00	597.79
586+00	597.64
587+00	597.49
588+00	597.33
589+00	597.18
590+00	597.03
591+00	596.88
592+00	596.73
593+00	596.58
594+00	596.43
595+00	596.28
596+00	596.12
597+00	595.97
598+00	595.82

Station	Elevation
583+00	597.6
584+00	597.5
585+00	597.4
586+00	597.2
587+00	597.0
588+00	596.8
589+00	596.6
590+00	596.5
591+00	596.3
592+00	596.1
593+00	595.9
594+00	595.8
595+00	595.6
596+00	595.4
597+00	595.2
598+00	595.0

Station	Elevation
583+00	597.9
584+00	597.7
585+00	597.5
586+00	597.4
587+00	597.2
588+00	597.0
589+00	596.8
590+00	596.6
591+00	596.5
592+00	596.3
593+00	596.1
594+00	595.9
595+00	595.8
596+00	595.6
597+00	595.6
598+00	595.5

Station	Elevation
583+00	598.24
584+00	597.94
585+00	597.79
586+00	597.64
587+00	597.49
588+00	597.33
589+00	597.18
590+00	597.03
591+00	596.88
592+00	596.73
593+00	596.58
594+00	596.43
595+00	596.28
596+00	596.12
597+00	595.97
598+00	595.82

Station	Elevation
583+00	597.9
584+00	597.7
585+00	597.5
586+00	597.4
587+00	597.2
588+00	597.0
589+00	596.8
590+00	596.6
591+00	596.5
592+00	596.3
593+00	596.1
594+00	595.9
595+00	595.8
596+00	595.6
597+00	595.6
598+00	595.5

Station	Elevation
583+00	597.6
584+00	597.5
585+00	597.4
586+00	597.2
587+00	597.0
588+00	596.8
589+00	596.6
590+00	596.5
591+00	596.3
592+00	596.1
593+00	595.9
594+00	595.8
595+00	595.6
596+00	595.4
597+00	595.2
598+00	595.0

Station	Elevation
583+00	598.24
584+00	597.94
585+00	597.79
586+00	597.64
587+00	597.49
588+00	597.33
589+00	597.18
590+00	597.03
591+00	596.88
592+00	596.73
593+00	596.58
594+00	596.43
595+00	596.28
596+00	596.12
597+00	595.97
598+00	595.82

Station	Elevation
583+00	597.9
584+00	597.7
585+00	597.5
586+00	597.4
587+00	597.2
588+00	597.0
589+00	596.8
590+00	596.6
591+00	596.5
592+00	596.3
593+00	596.1
594+00	595.9
595+00	595.8
596+00	595.6
597+00	595.6
598+00	595.5

Station	Elevation
583+00	597.6
584+00	597.5
585+00	597.4
586+00	597.2
587+00	597.0
588+00	596.8
589+00	596.6
590+00	596.5
591+00	596.3
592+00	596.1
593+00	595.9
594+00	595.8
595+00	595.6
596+00	595.4
597+00	595.2
598+00	595.0

HUB Engineers
Time of Plot: 11/30/2023 1:05 PM Plot Style: MONOCHROME.CTB
G:\2014\40201\1589\QESIGN\Production Plans\07100.BASE Option 1.dwg

U.S. HWY. 69

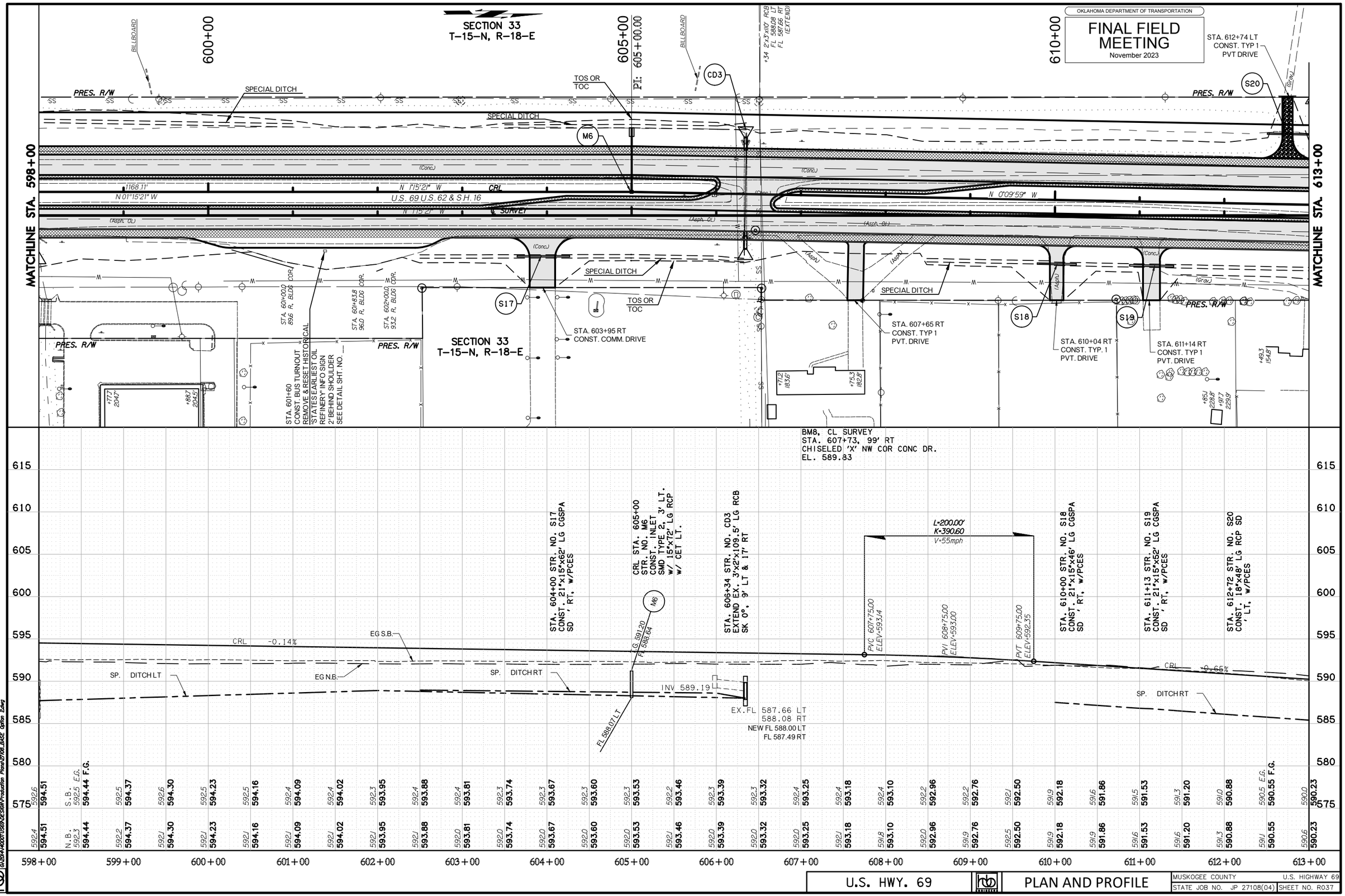
PLAN AND PROFILE

MUSKOGEE COUNTY	U.S. HIGHWAY 69
STATE JOB NO. JP 27108(04)	SHEET NO. R036

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

November 2023



U.S. HWY. 69

PLAN AND PROFILE

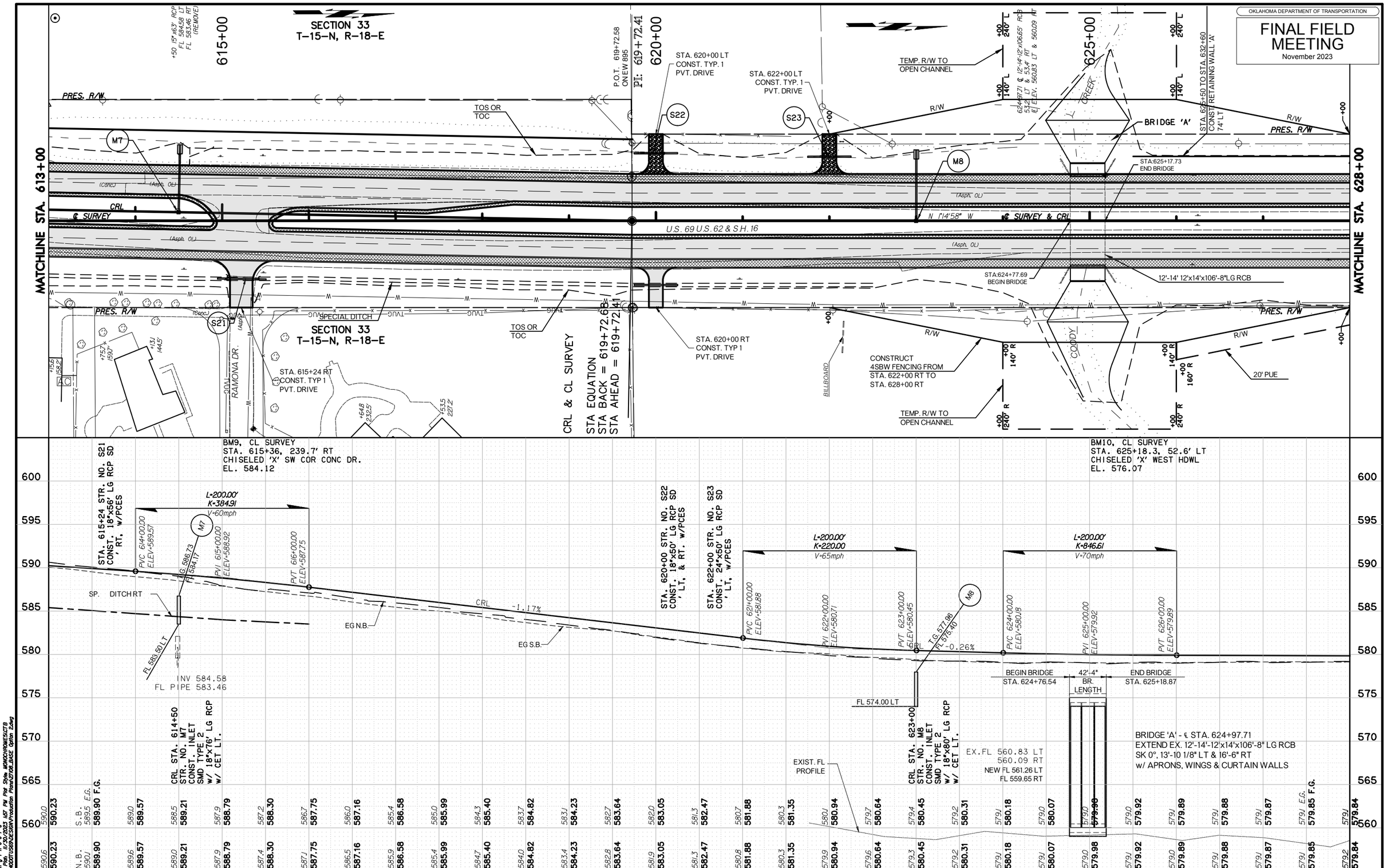
MUSKOGEE COUNTY	U.S. HIGHWAY 69
STATE JOB NO. JP 27108(04)	SHEET NO. R037

HNTB Engineers
Time of Plot: 11/30/2023 1:57 PM Plot Style: MONOCHROME.CTB
G:\2024\40201058\DESIGN\Production Plans\07R01_BASE Option 1.dwg

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

November 2023



U.S. HWY. 69

PLAN AND PROFILE

MUSKOGEE COUNTY	U.S. HIGHWAY 69
STATE JOB NO. JP 27108(04)	SHEET NO. R038

HUB Engineers
Time of Plot: 11/30/2023 1:57 PM Plot Style: MONOCHROME.CTB
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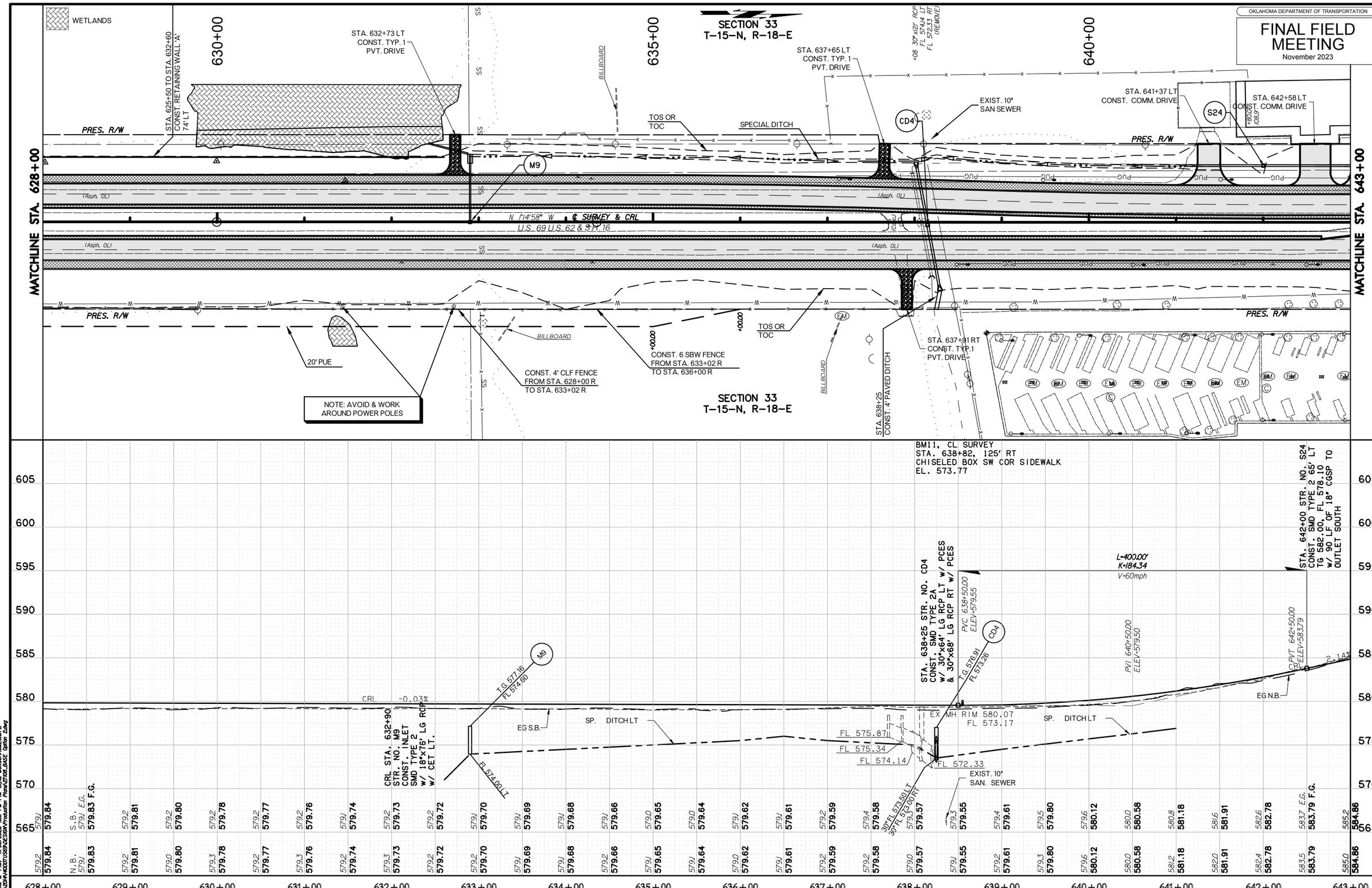
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

November 2023



U.S. HWY. 69

PLAN AND PROFILE

MUSKOGEE COUNTY | U.S. HIGHWAY 69

STATE JOB NO. JP 27108(04) | SHEET NO. R039

HNB Engineers
Time of Plot: 11/30/2023 1:58 PM Plot Style: MONOCHROME.CTB
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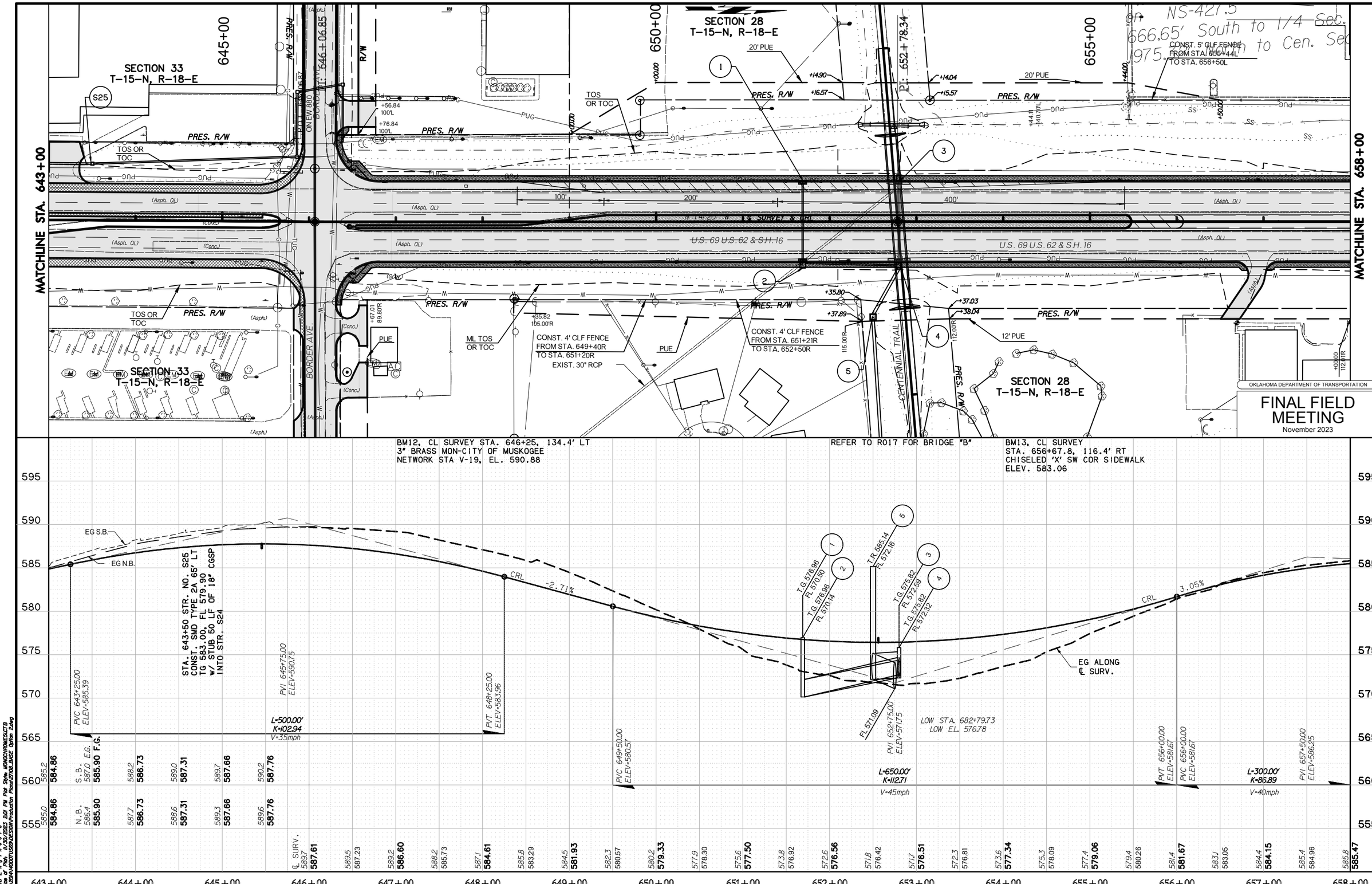
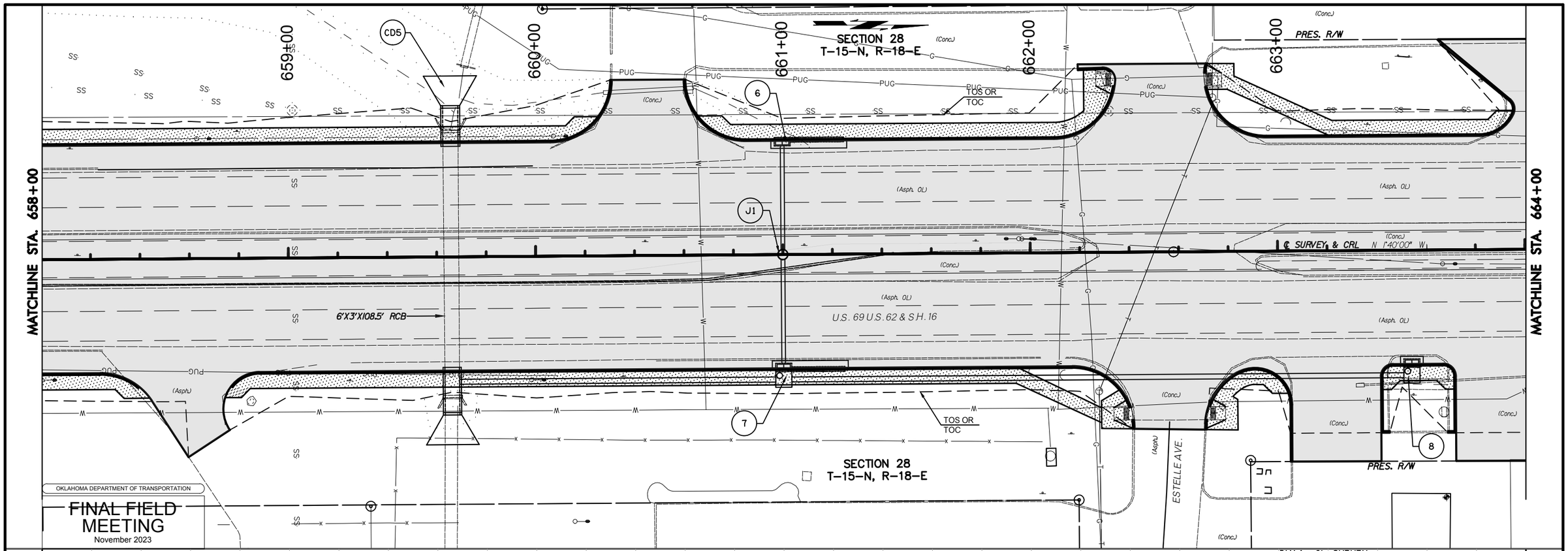
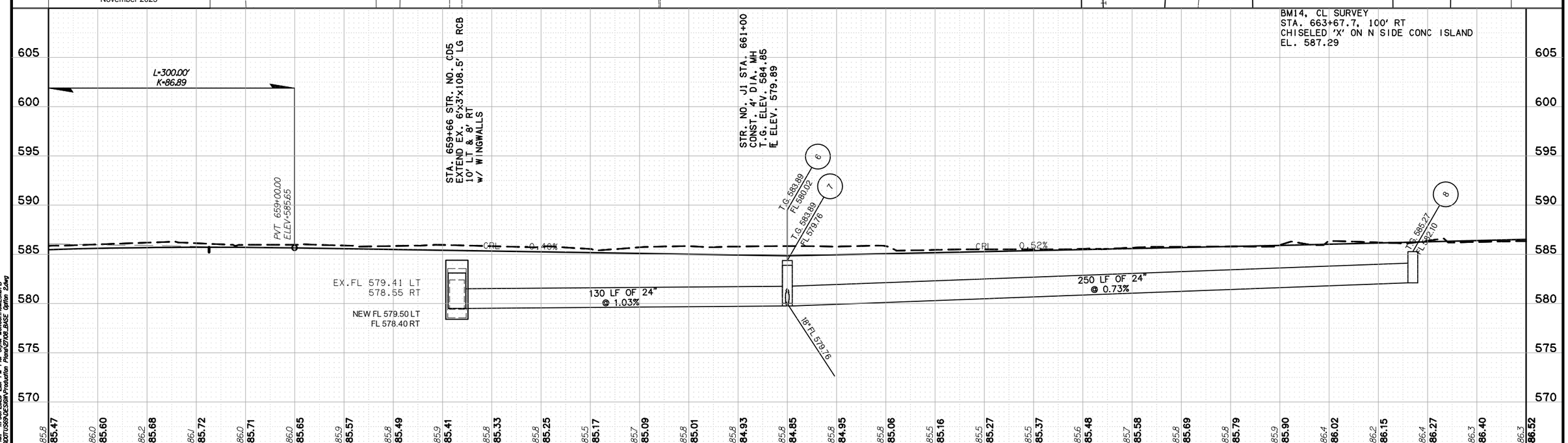

MATCHLINE STA. 643+00
MATCHLINE STA. 658+00
SECTION 33
T-15-N, R-18-E
SECTION 28
T-15-N, R-18-E
645+00
650+00
655+00
PRES. R/W
TOS OR TOC
ML TOS OR TOC
CONST. 4' CLF FENCE FROM STA. 649+40R TO STA. 651+20R
EXIST. 30" RCP
PUE
20' PUE
12' PUE
CONST. 4' CLF FENCE FROM STA. 651+21R TO STA. 652+50R
CONST. 5' CLF FENCE FROM STA. 655+44L TO STA. 656+50L
BORDER AVE.
CENTENNIAL TRAIL
U.S. 69 U.S. 62 & S.H. 16
BM12, CL SURVEY STA. 646+25, 134.4' LT
3" BRASS MON-CITY OF MUSKOGEE
NETWORK STA V-19, EL. 590.88
REFER TO R017 FOR BRIDGE "B"
BM13, CL SURVEY
STA. 656+67.8, 116.4' RT
CHISELED 'X' SW COR SIDEWALK
ELEV. 583.06
EG S.B.
EG N.B.
STA. 643+50 STR. NO. S25
CONST. SMD TYPE 2A 66" LT
TG 583.00, FL 579.90
W/ STUB 50 LF OF 18" CGSP
INTO STR. S24
PVC 643+25.00 ELEV=585.39
PVI 645+75.00 ELEV=590.75
PVT 648+25.00 ELEV=583.96
L=500.00' K=102.94 V=35mph
-2.71%
CRL
PVC 649+50.00 ELEV=580.57
PVI 652+75.00 ELEV=571.75
L=650.00' K=112.71 V=45mph
LOW STA. 682+79.73
LOW EL. 576.78
3.05%
PVT 656+00.00 ELEV=581.67
PVC 656+00.00 ELEV=581.67
PVI 657+50.00 ELEV=586.25
L=300.00' K=86.89 V=40mph
EG ALONG ℄ SURV.
℄ SURV.
OKLAHOMA DEPARTMENT OF TRANSPORTATION
FINAL FIELD MEETING
November 2023
U.S. HWY. 69
PLAN AND PROFILE
MUSKOGEE COUNTY
U.S. HIGHWAY 69
STATE JOB NO. JP 27108(04)
SHEET NO. R040





HUB Engineers
Time of Plot: 11/30/2023 3:00 PM Plot Style: MONOCHROMES.CTB
G:\2014\4400T0369\DESIGN\Production Plans\27108_BASE Option 2.dwg

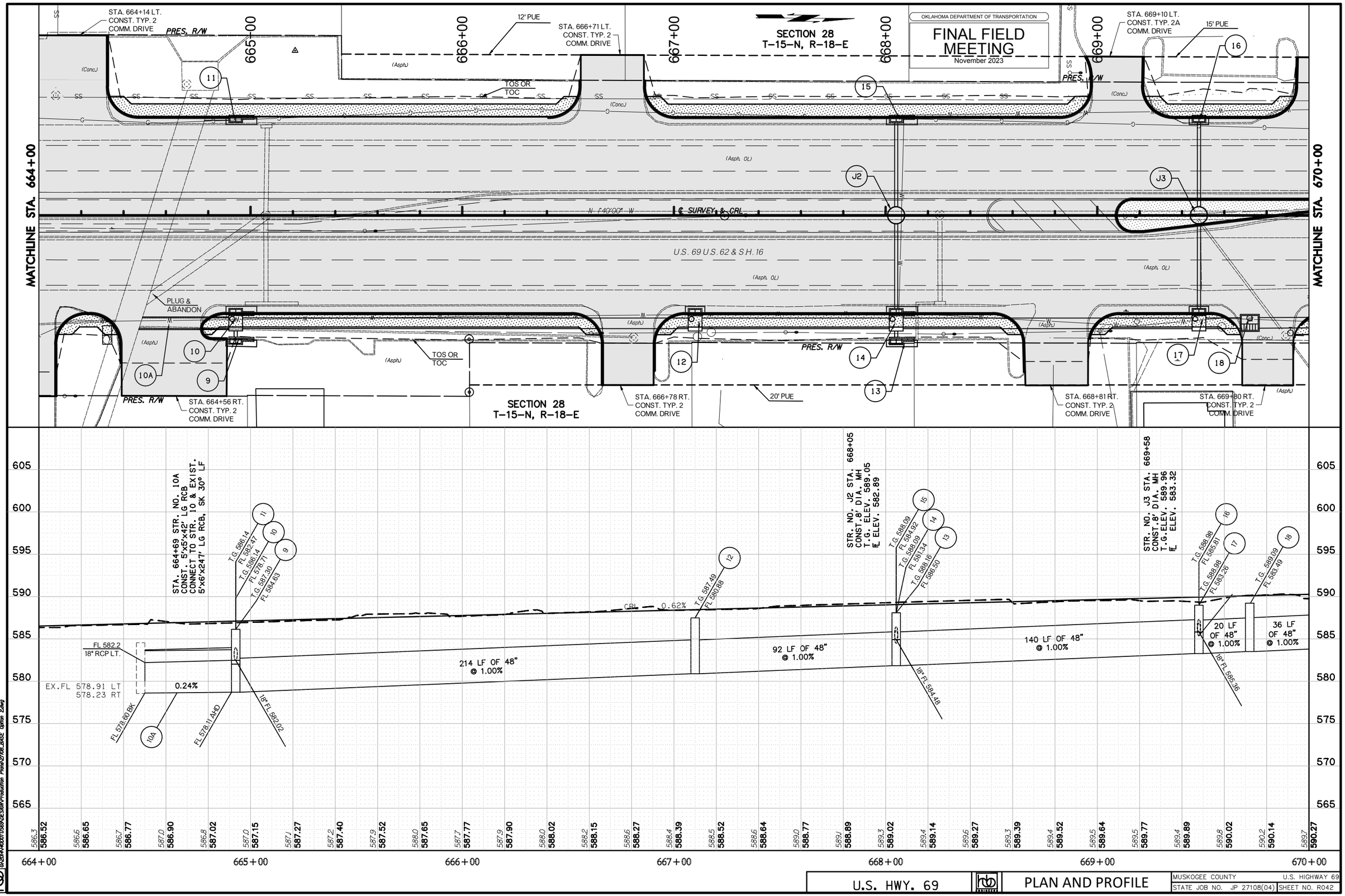
U.S. HWY. 69 | PLAN AND PROFILE

MUSKOGEE COUNTY	U.S. HIGHWAY 69
STATE JOB NO. JP 27108(04)	SHEET NO. R041

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

November 2023



U.S. HWY. 69

PLAN AND PROFILE

MUSKOGEE COUNTY	U.S. HIGHWAY 69
STATE JOB NO. JP 27108(04)	SHEET NO. R042

HNTB Engineers
Time of Plot: 11/30/2023 2:02 PM Plot Style: MONOCHROME.CTB
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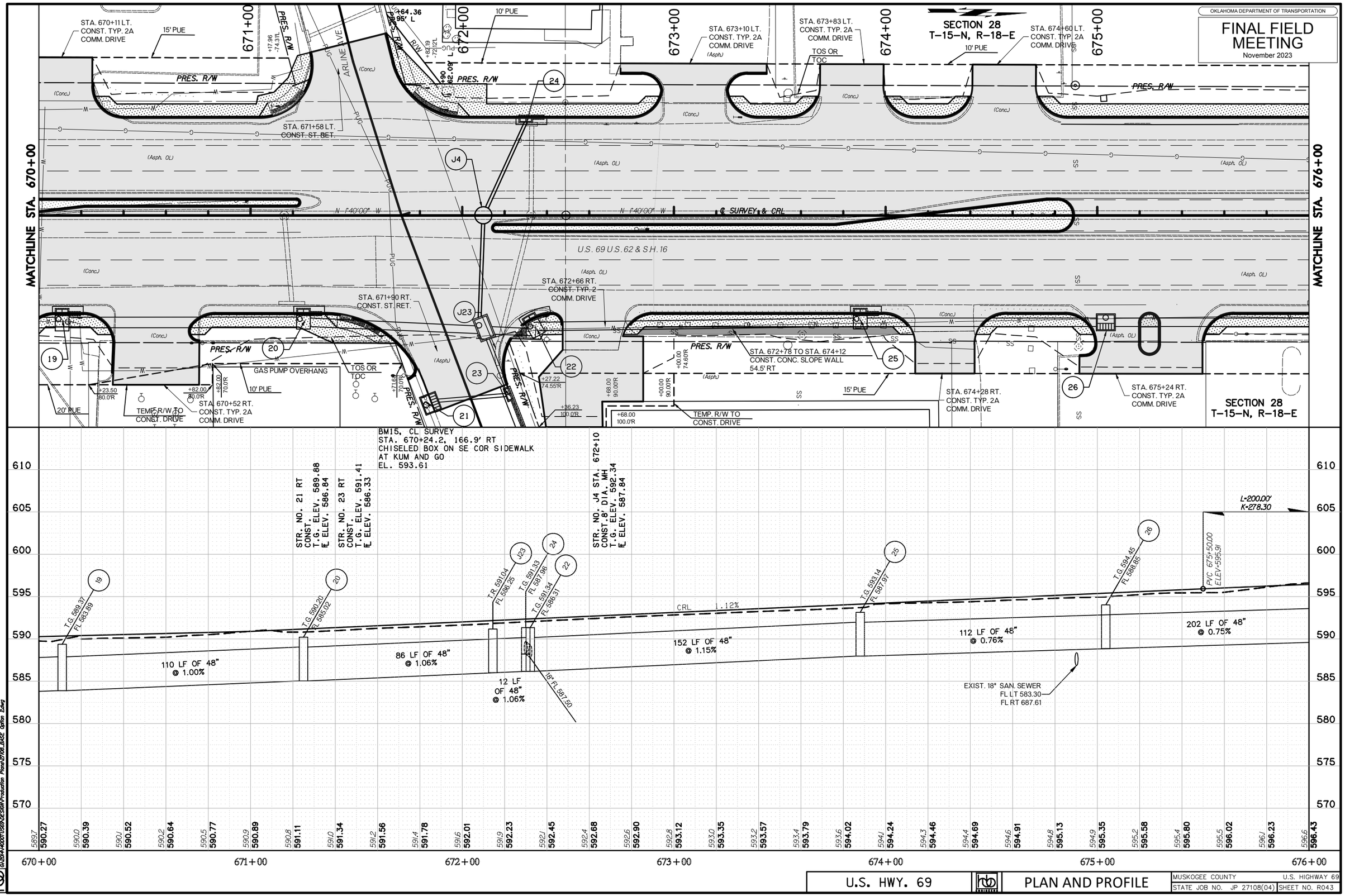
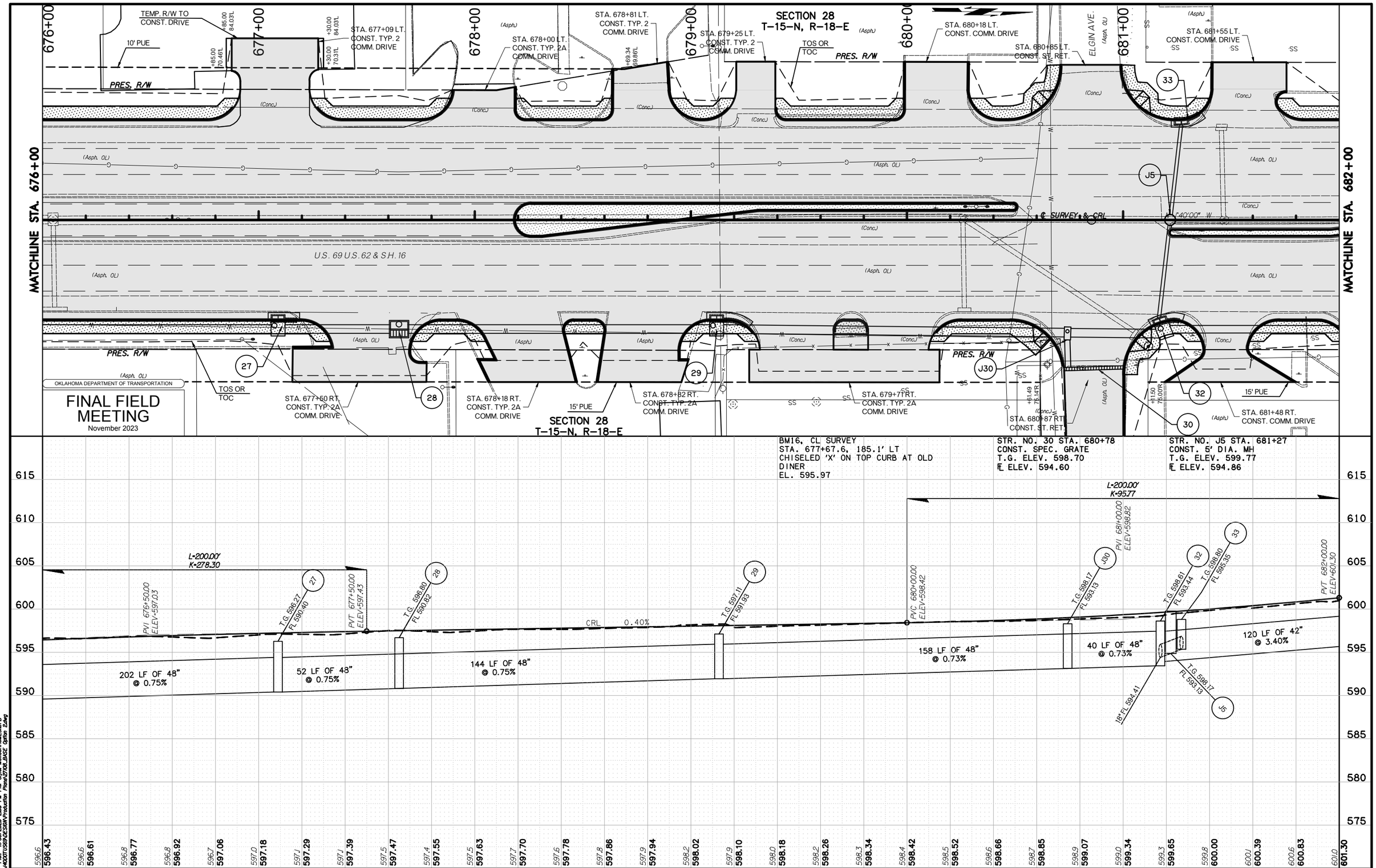
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

November 2023



U.S. HWY. 69 | PLAN AND PROFILE | MUSKOGEE COUNTY | U.S. HIGHWAY 69 | STATE JOB NO. JP 27108(04) | SHEET NO. R043



U.S. HWY. 69

PLAN AND PROFILE

MUSKOGEE COUNTY	U.S. HIGHWAY 69
STATE JOB NO. JP 27108(04)	SHEET NO. R044

HUB Engineers
Time of Plot: 11/30/2023 2:03 PM Plot Style: MONOCHROME.CTB
G:\2024\40201058\DESIGN\Production Plans\07100_BASE Option 1.dwg

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

November 2023

MATCHLINE STA. 682+00

MATCHLINE STA. 688+00

683+00 684+00 685+00 686+00 687+00

DENVER ST.

NOTE: AVOID & WORK AROUND POWER POLES

SECTION 28
T-15-N, R-18-E

STA. 682+93 LT.
CONST. TYP. 2A
COMM. DRIVE

STA. 683+50 LT.
CONST. TYP. 2A
COMM. DRIVE

STA. 684+07 LT.
CONST. ST. RET.

STA. 685+27 LT.
CONST. COMM. DRIVE

STA. 685+95 LT.
CONST. COMM.
DRIVE

TEMP. R/W TO
CONST. DRIVE

TOS OR
TOC

STA. 687+68 LT.
CONST. TYP. 2A
COMM. DRIVE

PRES. R/W

(Asph.) (Conc.) (Asph. OL)

37 J6 J38 34 J35 36 38

℄ SURVEY & CRL

N 7°40'00" W

U.S. 69 U.S. 62 & S.H. 16

EXIST. STRUCTURE TO
REMAIN CONNECTED
TO STR. 38

STA. 682+13 RT.
CONST. COMM. DRIVE

15' PUE

STA. 683+11 RT.
CONST. COMM. DRIVE

STA. 684+07 RT.
CONST. ST. RET.

STA. 684+73 RT.
CONST. TYP. 2A
COMM. DRIVE

15' PUE

SECTION 28
T-15-N, R-18-E

STA. 685+47 RT.
CONST. TYP. 2A
COMM. DRIVE

STA. 686+10 RT.
CONST. COMM. DRIVE

PUE ON LOT LINE

STA. 687+04 RT.
CONST. COMM. DRIVE

+41.50 75.03'R
+51.47 75.03'R
+81.47 75.08'R
+91.48 74.92'R
+67.20 75.10'R
+72.20 73.12'R
+75.00 75.05'L
+80.00 74.05'L

BM17, CL SURVEY
STA. 683+79.85, 229.7' RT
CHISELED 'X' ON TOP CURB AT THE
CLINIC
EL. 607.08

L-100.00'
K-93.84

STR. NO. J6 STA. 684+26
CONST.5' DIA. MH
T.G. ELEV. 605.57
FL ELEV. 600.92

STR. NO. 36 STA. 684+08
CONST. SPEC. GRATE
T.G. ELEV. 604.10
FL ELEV. 599.80

PVT 683+50.00
ELEV=604.50

J38 T.G. 602.43 FL 597.68

PVC 682+50.00
ELEV=602.55

PVI 683+00.00
ELEV=603.79

34 T.G. 603.48 FL 598.73

J35 T.G. 604.09 FL 599.51 18" FL 601.30

J6 T.G. 605.57 FL 600.92

37 T.G. 606.03 FL 601.50

38 T.G. 607.98 FL 602.00

CRL 3.49%

CRL 1.42%

CRL 1.30%

120 LF OF 42"
@ 3.40%

102 LF OF 42"
@ 1.00%

46 LF OF 42"
@ 1.80%

270 LF OF 42"
@ 0.90%

168 LF OF 42"
@ 0.30%

EXIST. 8" SAN. SEWER
FL LT 595.93
FL RT 597.08

EXIST. SAN. SEWER
FL LT 593.08
FL RT 602.48

625 620 615 610 605 600 595 590 585

601.0 601.30 601.9 601.80 602.3 602.30 602.7 602.79 602.7 603.24 602.9 603.66 603.2 604.03 603.5 604.35 603.8 604.64 604.0 604.93 604.4 605.21 604.7 605.49 605.0 605.78 605.4 606.06 605.7 606.35 606.0 606.63 606.4 606.91 606.8 607.20 607.1 607.48 607.3 607.77 608.1 608.05 608.5 608.32 608.9 608.58 608.8 608.85 609.5 609.11 609.8 609.38 610.0 609.64 610.2 609.91 610.3 610.17 610.4 610.44 610.7 610.70

682+00 683+00 684+00 685+00 686+00 687+00 688+00

HUB Engineers
Time of Plot: 11/30/2023 2:04 PM PM Sylva MONOCHROMESLCTB
G:\2024\40207\DESIGN\Production Plans\07100_BASE Option 2.dwg

U.S. HWY. 69 | PLAN AND PROFILE | MUSKOGEE COUNTY | U.S. HIGHWAY 69 | STATE JOB NO. JP 27108(04) | SHEET NO. R045

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

November 2023

MATCHLINE STA. 688+00

MATCHLINE STA. 694+00

689+00 690+00 691+00 692+00 693+00

STA. 688+73 LT. CONST. TYP. 2A COMM. DRIVE

STA. 689+29 LT. CONST. COMM. DRIVE

STA. 690+17 LT. CONST. COMM. DRIVE

STA. 691+00 LT. CONST. TYP. 2A COMM. DRIVE

SECTION 28 T-15-N, R-18-E

TOS OR TOC

STA. 691+85 LT. CONST. TYP. 2A COMM. DRIVE

STA. 693+18 LT. CONST. COMM. DRIVE

PRES. R/W

(Asph.) (Conc.) (Asph. OL)

℄ SURVEY & CRL N 1°46'00" W

U.S. 69 U.S. 62 & S.H. 16

39 40 41 42 43

TOS OR TOC

PUE ON LOT LINE

STA. 688+77 RT. CONST. COMM. DRIVE

+88.00 73.95 +80.00 80.00RT +49.78 73.82RT

STA. 690+23 RT. CONST. COMM. DRIVE

TEMP. R/W TO CONST. DRIVES

STA. 690+78 RT. CONST. TYP. 2A COMM. DRIVE

+00.00 73.73RT +00.00 80.00RT

EXISTING PUE

STA. 690+90 TO STA. 691+70 CONST. CONC. SLOPE WALL 57' RT

+60.00 73.00RT +60.00 90.00RT

TEMP. R/W TO CONST. DRIVE

STA.691+90 RT. CONST. TYP. 2A COMM. DRIVE

+06.8 90.00RT

STA.692+40 RT. CONST. TYP. 2A COMM. DRIVE

STA.693+30 RT. CONST. TYP. 2A COMM. DRIVE

SECTION 28 T-15-N, R-18-E

BM18, CL SURVEY
STA. 692+45.8, 113.3' RT
CHISELED 'X' ON SW COR SIDEWALK AT
SW COR BUILDING
EL. 614.49

630 625 620 615 610 605 600 595 590

T.G.610.06 FL 602.51

T.G.611.28 FL 602.98

T.G. 611.08 FL 603.59

T.G.610.66 FL 603.87

T.G.610.12 FL 604.17

CRL 0.84%

CRL -0.52%

EXIST. SAN. SEWER
FL LT 604.42
FL RT 608.98

168 LF OF 42" @ 0.30%

142 LF OF 42" @ 0.30%

208 LF OF 42" @ 0.30%

78 LF OF 36" @ 0.30%

100 LF OF 36" @ 0.30%

100 LF OF 36" @ 0.30%

6/0.7 610.70 6/0.9 610.87 6/1.2 611.04 6/1.2 611.20 6/1.2 611.37 6/1.4 611.54 6/1.5 611.71 6/1.8 611.88 6/1.9 612.04 6/2.0 612.21 6/2.2 612.38 6/2.3 612.55 6/2.4 612.72 6/2.4 612.75 6/2.2 612.65 6/2.2 612.54 6/2.3 612.44 6/2.2 612.34 6/2.0 612.23 6/1.9 612.13 6/1.8 612.03 6/1.8 611.92 6/1.5 611.82 6/1.6 611.72 6/1.6 611.62 6/1.6 611.51 6/1.6 611.41 6/1.2 611.31 6/1.1 611.20 6/1.0 611.10 6/1.0 611.04

688+00 689+00 690+00 691+00 692+00 693+00 694+00

HUB Engineers
Time of Plot: 11/30/2023 2:04 PM PM Style: MONOCHROMESLCTB
G:\2024\40201058\DESIGN\Production Plans\07100_BASE Option 2.dwg

U.S. HWY. 69 | PLAN AND PROFILE | MUSKOGEE COUNTY | U.S. HIGHWAY 69 | STATE JOB NO. JP 27108(04) | SHEET NO. R046

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

November 2023

MATCHLINE STA. 694+00

695+00 | 696+00 | 697+00 | 698+00 | 698+86

SECTION 28
T-15-N, R-18-E

STA. 694+18 LT.
CONST. COMM. DRIVE

TOS OR
TOC

STA. 695+08 LT.
CONST. TYP. 2A
COMM. DRIVE

STA. 695+58 LT.
CONST. COMM. DRIVE

STA. 697+20 LT.
CONST. COMM. DRIVE

STA. 697+78 LT.
CONST. COMM. DRIVE

+66.16
68.00L

+17.88
68.00L

PRES. R/W

(Conc.)

(Asph. OL)

J45

℄ SURVEY & CRL
U.S. 69 U.S. 62 & S.H. 16

N 1°40'00" W

NOTE: DRIVEWAY MUST BE POURED ON A FRIDAY AFTER 11:00AM. MUST BE OPERATIONAL BY THE FOLLOWING MONDAY MORNING, SO THAT THE DELIVERY DOCK WILL REMAIN ACCESSIBLE FOR ALL TRUCK DELIVERIES WITH THE EXCEPTION FOR THE TIME AND DATES PROVIDED. PLEASE GIVE TENANT TWO WEEKS' NOTICE VIA PHONE CALL TO TENANT, DARRIN STOGSDILL @ 918-859-8843.

44

45

STA.694+35 RT.
CONST. COMM. DRIVE

TOS OR
TOC

STA.696+15 RT.
CONST. COMM. DRIVE

STA.696+14 RT.
CONST.

+42.09
85.00R

+97.69
85.19R

EXISTING PUE

(Asph.)

STA. 698+50 TO 698+06.5
CONST. CONC. SLOPE WALL
60' RT.

BM19. CL SURVEY
STA. 699+42, 158' LT
CHISELED 'X' ON STEP AT SE COR
SMALL BUILDING
EL. 612.46

635 | 630 | 625 | 620 | 615 | 610 | 605 | 600 | 595

T.R. 610.72
FL 604.92
T.G. 609.13
FL 605.10

T.G. 609.79
FL 604.47

CRL -0.32%

100 LF OF 36"
@ 0.30%

96 LF OF 36"
@ 0.30%

24"FL 604.76

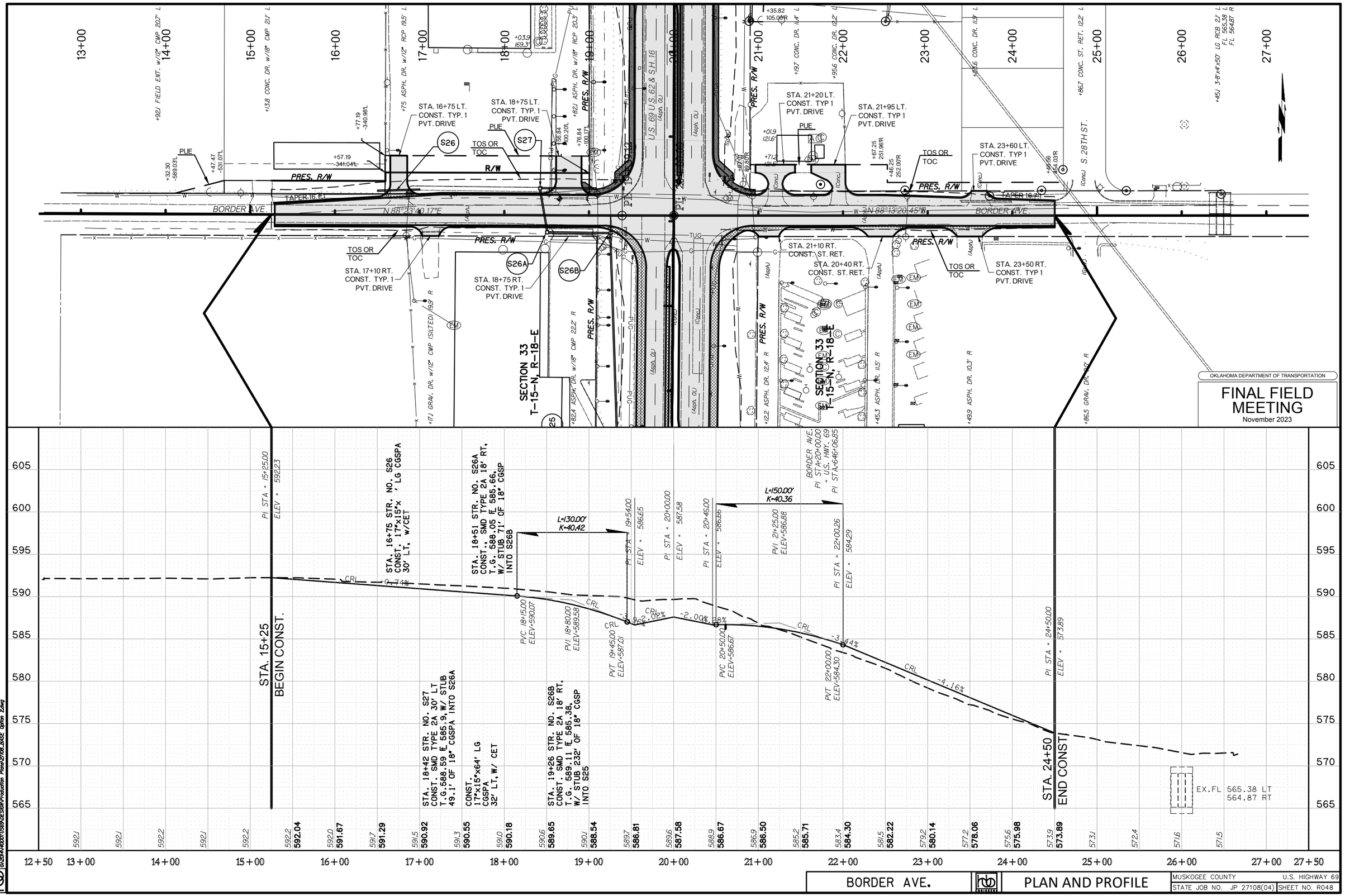
STA. 695+95 END CONST. NORTHBOUND
STA. 696+20 END CONST. SOUTHBOUND

6/1.0 611.04 | 6/0.9 610.97 | 6/0.9 610.91 | 6/0.9 610.84 | 6/0.8 610.78 | 6/0.8 610.72 | 6/0.6 610.65 | 6/0.5 610.59 | 6/0.3 610.53 | 6/0.5 610.46 | 6/0.5 | 6/0.7 | 6/0.8 | 6/0.5 | 6/0.5 | 6/0.5 | 6/0.6 | 6/0.7 | 6/0.7 | 6/0.8 | 6/0.9 | 6/0.9 | 6/1.1 | 6/1.3 | 6/1.5

694+00 | 695+00 | 696+00 | 697+00 | 698+00 | 699+00 | 700+00

HUB Engineers
Time of Plot: 11/30/2023 2:05 PM PM Style: MONOCHROMESLCTB
G:\2014\40201\DESIGN\Production Plans\07100_BASE Option 2.dwg

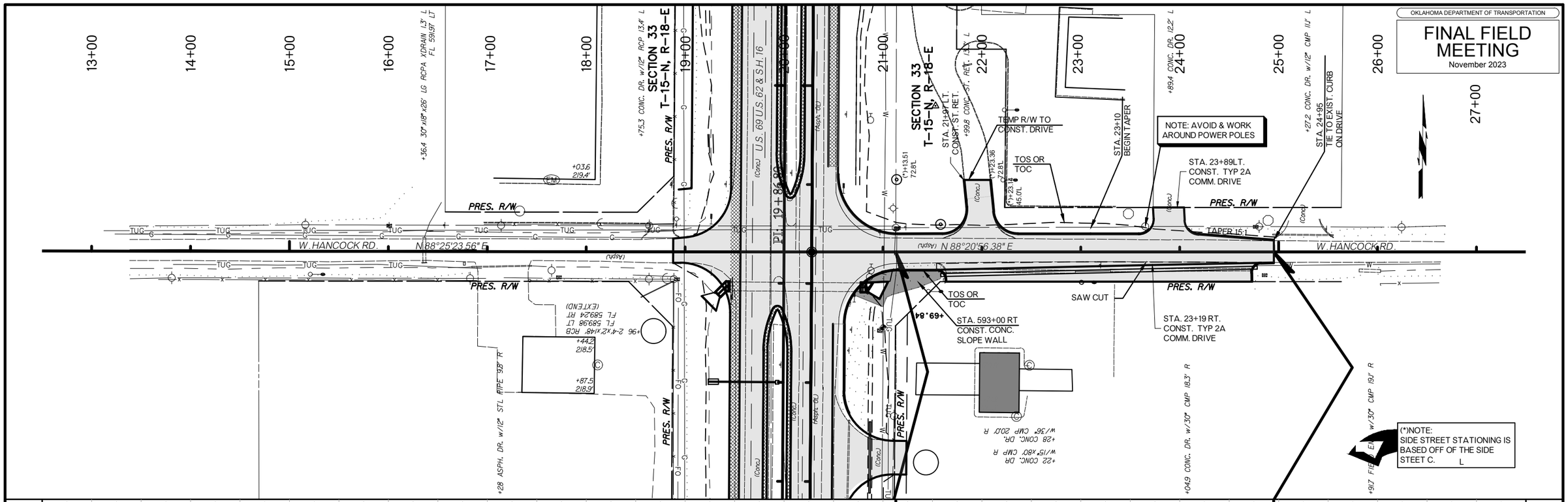
U.S. HWY. 69	PLAN AND PROFILE	MUSKOGEE COUNTY	U.S. HIGHWAY 69
		STATE JOB NO. JP 27108(04)	SHEET NO. R047

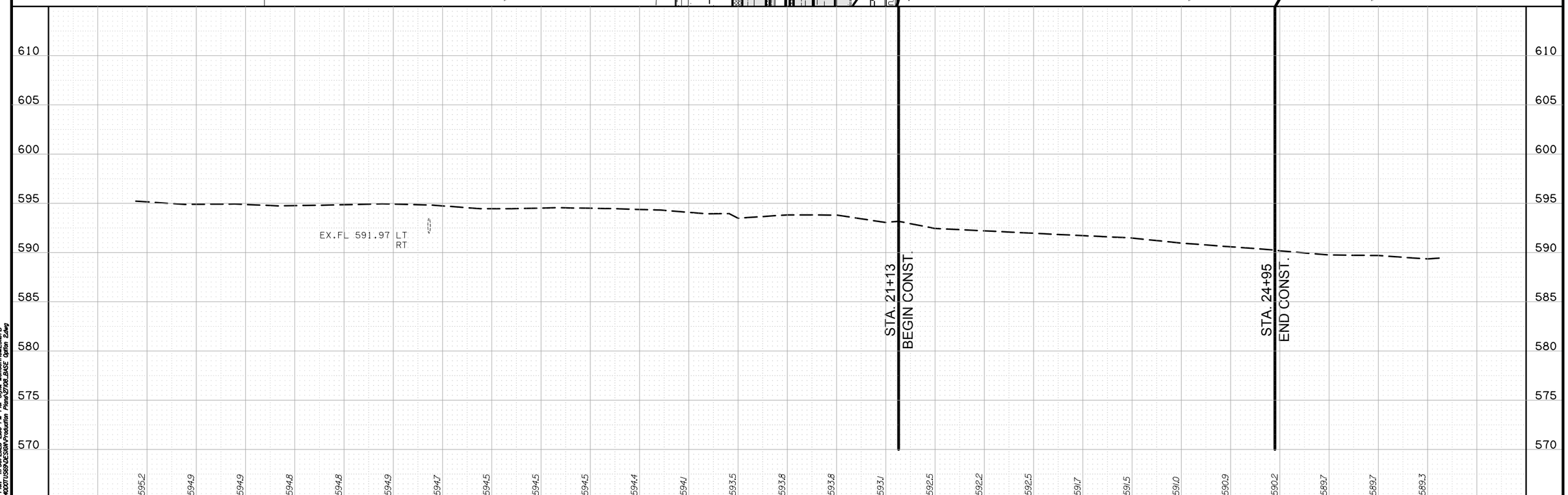

OKLAHOMA DEPARTMENT OF TRANSPORTATION
FINAL FIELD MEETING
November 2023
BORDER AVE.
PLAN AND PROFILE
MUSKOGEE COUNTY
U.S. HIGHWAY 69
STATE JOB NO. JP 27108(04)
SHEET NO. R048
STA. 15+25 BEGIN CONST.
STA. 24+50 END CONST.
US. 69 US. 62 & SH. 16
S. 28TH ST.
SECTION 33 T-15-N, R-18-E
STA. 16+75 LT. CONST. TYP. 1 PVT. DRIVE
STA. 18+75 LT. CONST. TYP. 1 PVT. DRIVE
STA. 21+20 LT. CONST. TYP 1 PVT. DRIVE
STA. 21+95 LT. CONST. TYP 1 PVT. DRIVE
STA. 23+60 LT. CONST. TYP 1 PVT. DRIVE
STA. 17+10 RT. CONST. TYP. 1 PVT. DRIVE
STA. 18+75 RT. CONST. TYP. 1 PVT. DRIVE
STA. 21+10 RT. CONST. ST. RET.
STA. 20+40 RT. CONST. ST. RET.
STA. 23+50 RT. CONST. TYP 1 PVT. DRIVE
TOS OR TOC
PUE
PRES. R/W
R/W
TAPER 16.7'
N 88°23'40.17"E
N 88°13'20.45"W
S26
S27
S26A
S26B
STA. 16+75 STR. NO. S26 CONST. 17"x15"x ' LG CGSPA 30' LT. W/CET
STA. 18+51 STR. NO. S26A CONST., SMD TYPE 2A 18' RT, T.G. 588.05 ft. 585.66, W/ STUB 71' OF 18" CGSP INTO S26B
STA. 18+42 STR. NO. S27 CONST. SMD TYPE 2A 30' LT T.G.588.59 ft. 585.19, W/ STUB 49.1' OF 18" CGSPA INTO S26A
CONST. 17"x15"x64' LG CGSPA 32' LT. W/ CET
STA. 19+26 STR. NO. S26B CONST. SMD TYPE 2A 18' RT, T.G. 589.11 ft. 585.38, W/ STUB 232' OF 18" CGSP INTO S25
L=130.00' K=40.42
L=150.00' K=40.36
-0.74%
-2.06%
-2.00%
-4.16%
EX.FL 565.38 LT 564.87 RT
592.04 591.67 591.29 590.92 590.55 590.18 589.65 588.54 586.81 587.58 586.67 586.50 585.71 584.30 582.22 580.14 578.06 575.98 573.89

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

November 2023





W. HANCOCK RD. | PLAN AND PROFILE

MUSKOGEE COUNTY | U.S. HIGHWAY 69

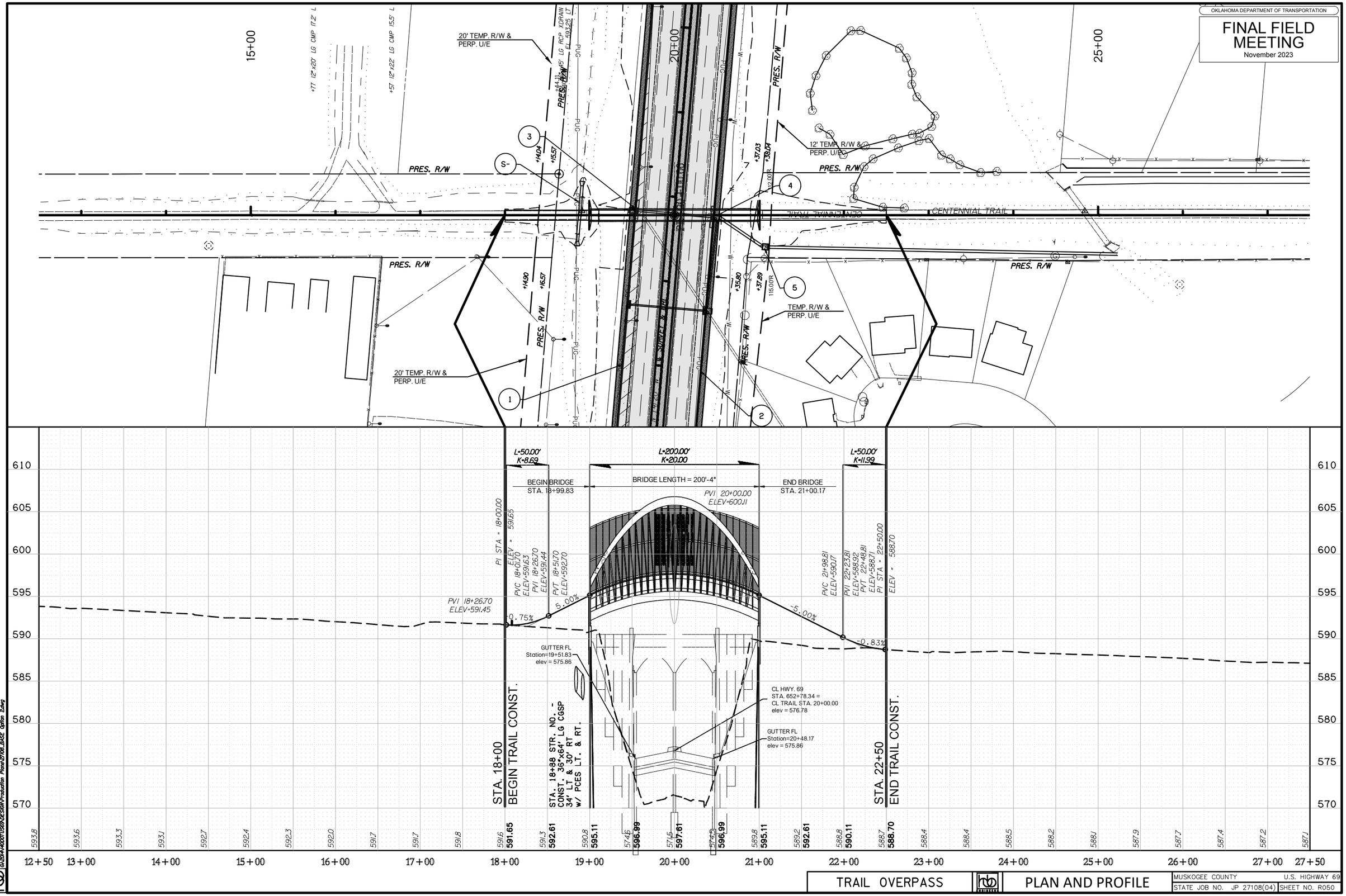
STATE JOB NO. JP 27108(04) | SHEET NO. R049

HNB Engineers
Time of Plot: 11/30/2023 2:06 PM PM Style: MONOCHROMESLCTB
G:\ODOT\400\DESIGN\Production Plans\07106_BASE Option 2.dwg

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

November 2023



TRAIL OVERPASS

PLAN AND PROFILE

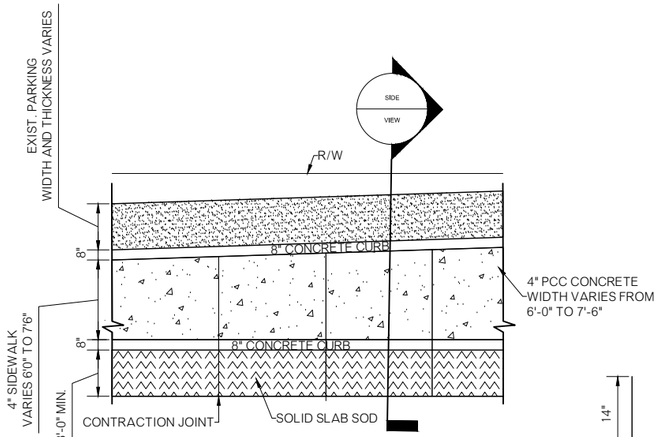
MUSKOGEE COUNTY	U.S. HIGHWAY 69
STATE JOB NO. JP 27108(04)	SHEET NO. R050

HUB Engineers
Time of Plot: 11/30/2023 2:07 PM PM Style: MONOCHROMESLCTB
G:\2024\40201058\DESIGN\Production Plans\07100_BASE Option 2.dwg

OKLAHOMA DEPARTMENT OF TRANSPORTATION

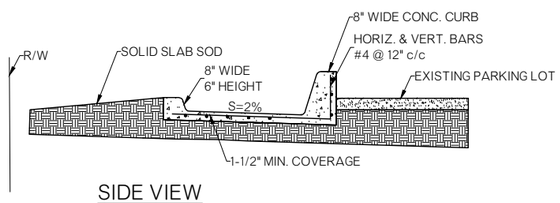
FINAL FIELD MEETING

OCTOBER 2023

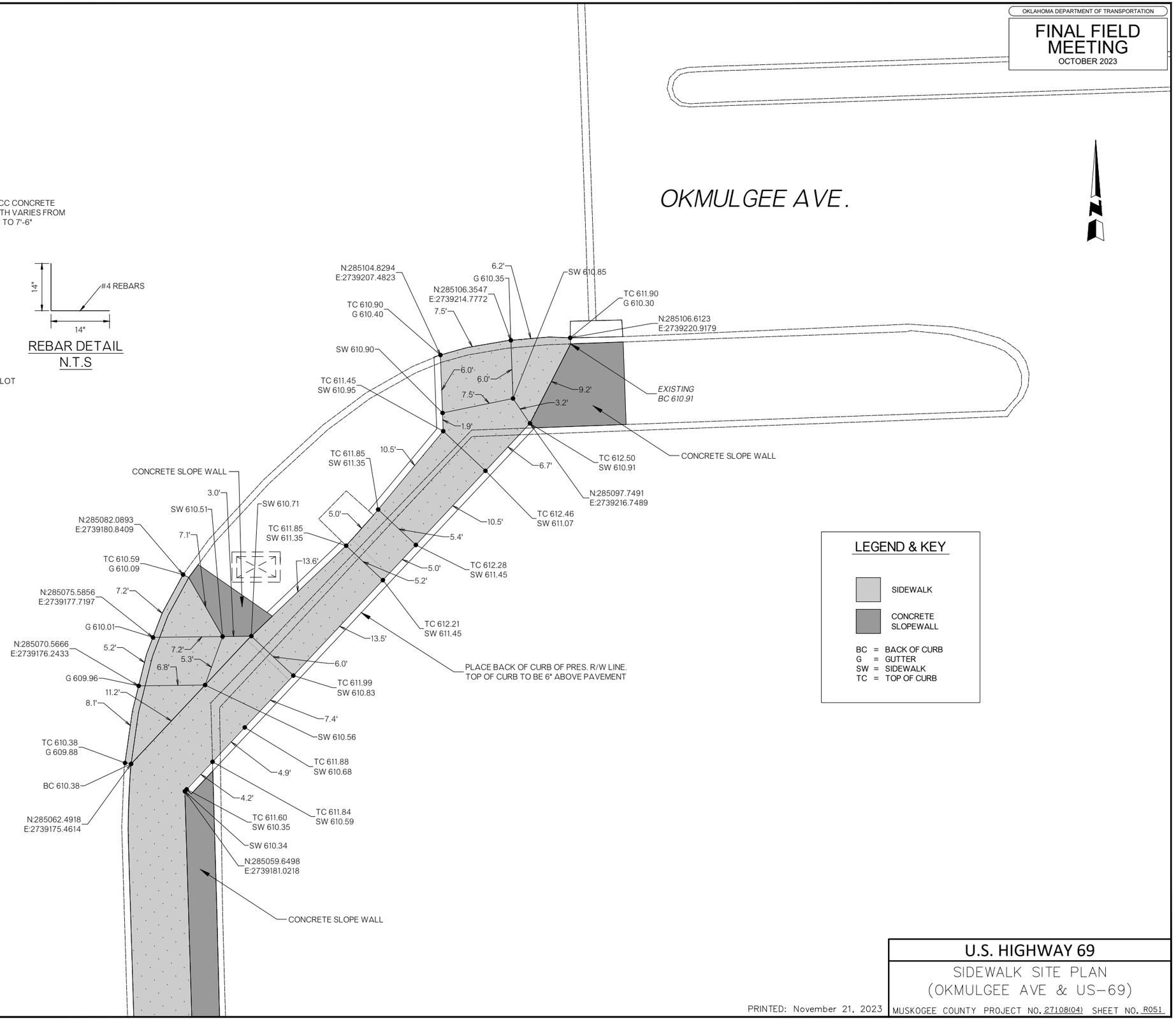


VARIABLE CURB 4" SIDEWALK DETAIL

REBAR DETAIL
N.T.S



SIDE VIEW
N.T.S



LEGEND & KEY

SIDEWALK

CONCRETE SLOPEWALL

BC = BACK OF CURB
G = GUTTER
SW = SIDEWALK
TC = TOP OF CURB

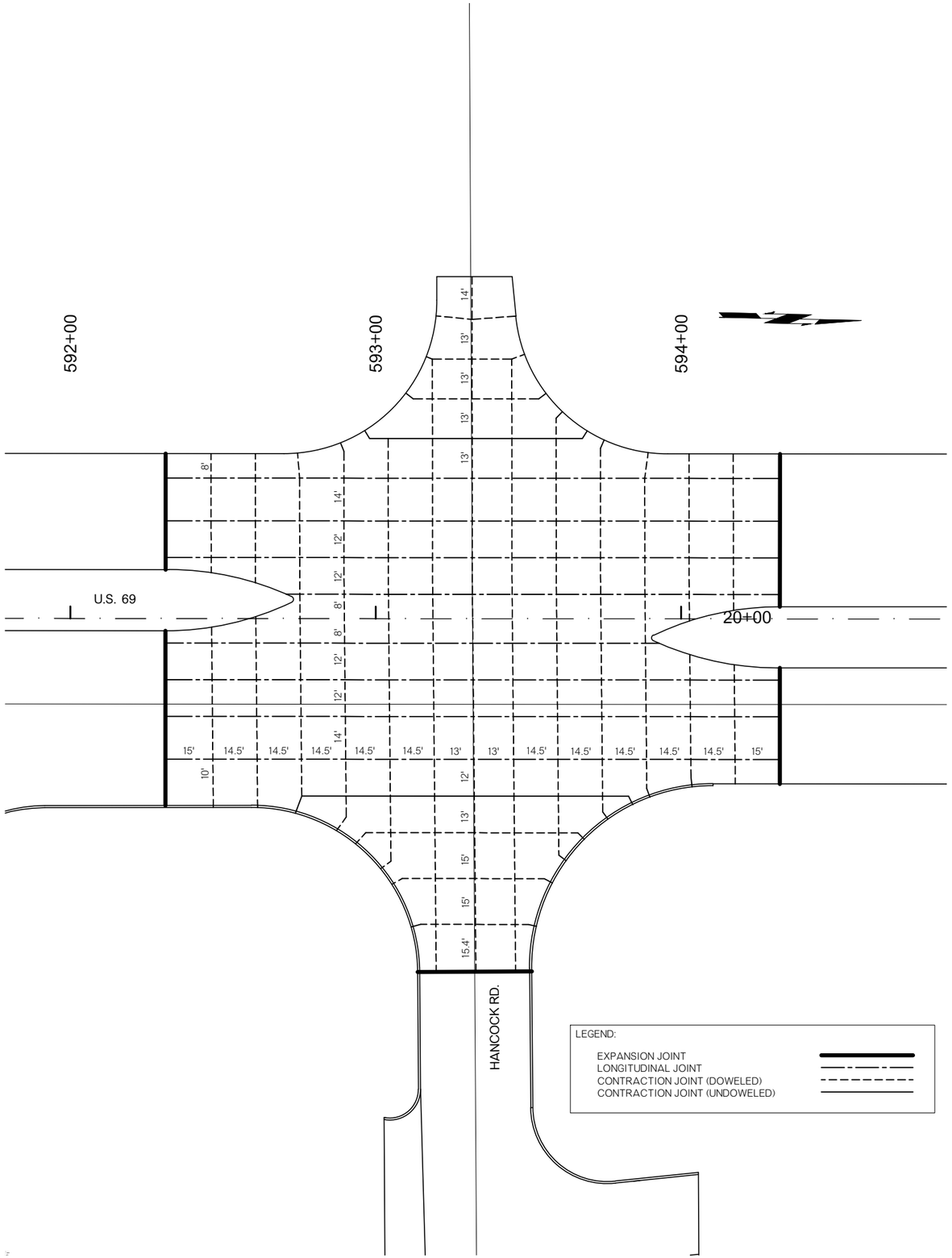
HUB Engineers
Time of Plot: 11/21/2023 4:12 PM Plot Style: --HUB-HALF.CTB
c:\2014\140DOTU569\DESIGN\Production Plans\27108_Sidewalk Siteplan.dwg

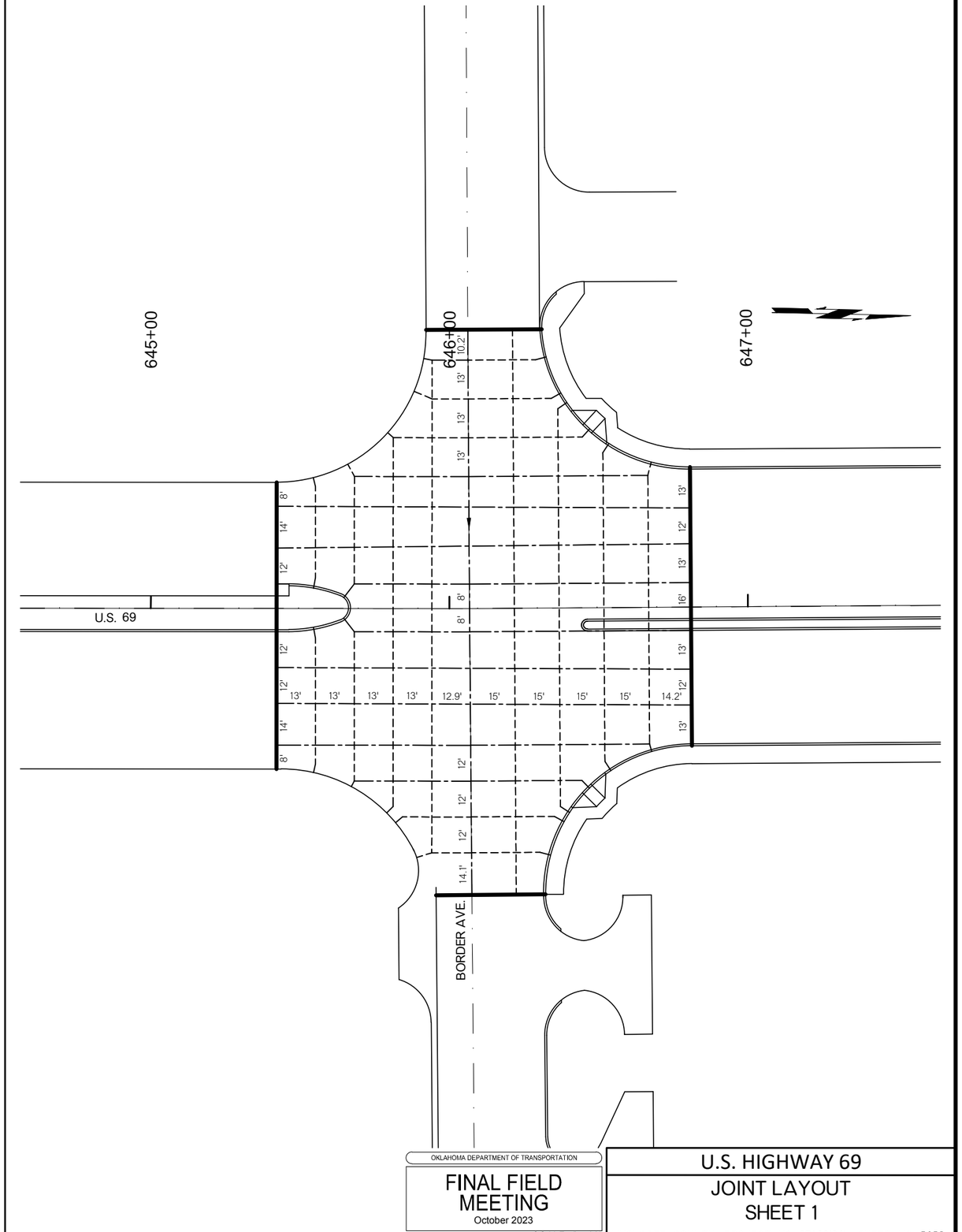
PRINTED: November 21, 2023

U.S. HIGHWAY 69

SIDEWALK SITE PLAN
(OKMULGEE AVE & US-69)

MUSKOGEE COUNTY PROJECT NO. 27108(04) SHEET NO. R051





OKLAHOMA DEPARTMENT OF TRANSPORTATION

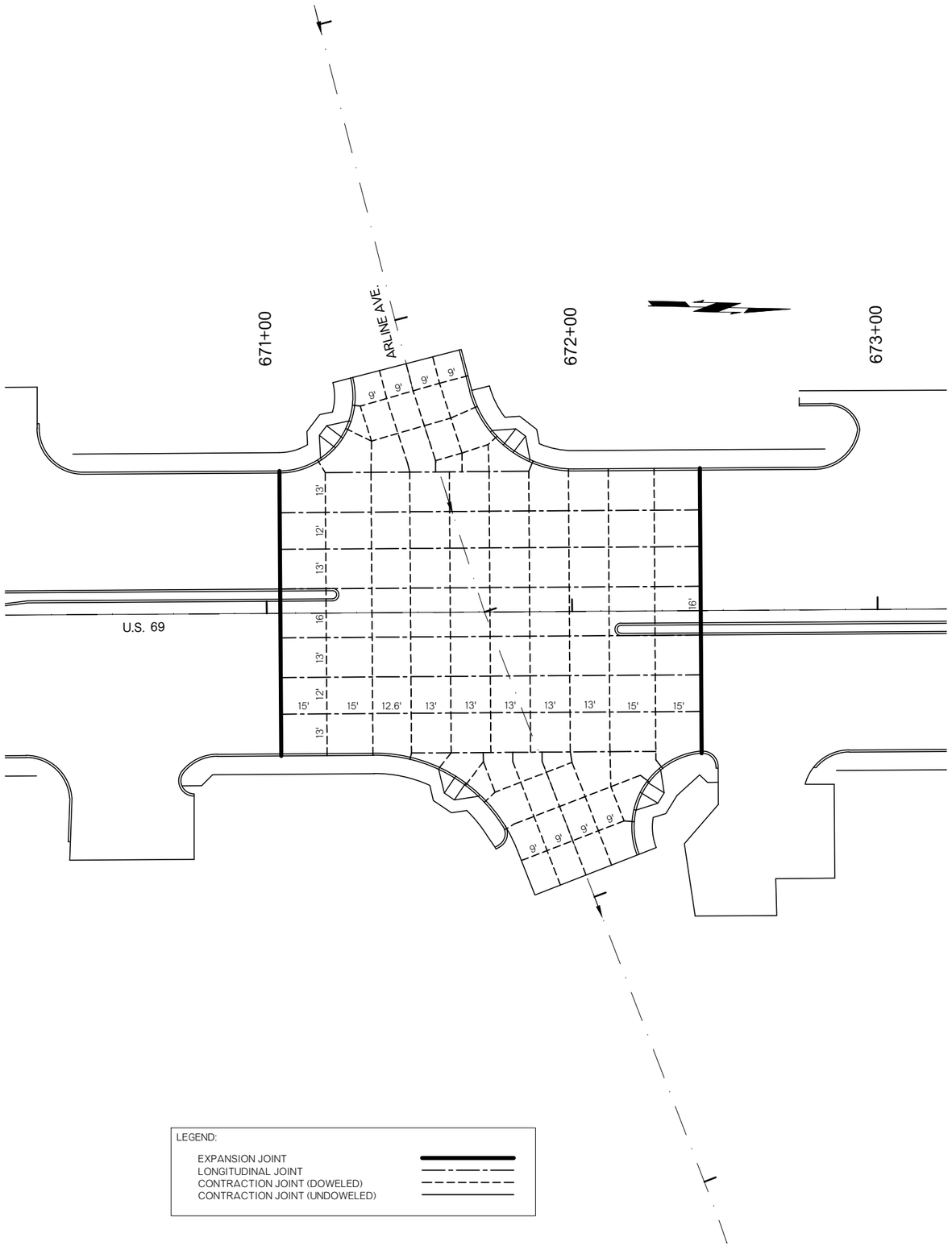
FINAL FIELD MEETING
October 2023

SCALE: 1" = 20'

U.S. HIGHWAY 69
JOINT LAYOUT
SHEET 1

MUSKOGEE COUNTY PROJECT NO. 27108(04) SHEET NO. R052

HUB Engineers
Thursday, November 02, 2023 2:30 PM Plot Style: HPBISONCTB
G:\2014\4000TUSSP\DESIGN\Production Plans\27108_Joint_Layout.dwg



HNB Engineers
Time of Plot: 11/09/2023 3:31 PM Plot Style: HRBISONCTB
G:\2014\4000TUSSR\DESIGN\Production Plans\27108_Joint Layout.dwg

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
October 2023

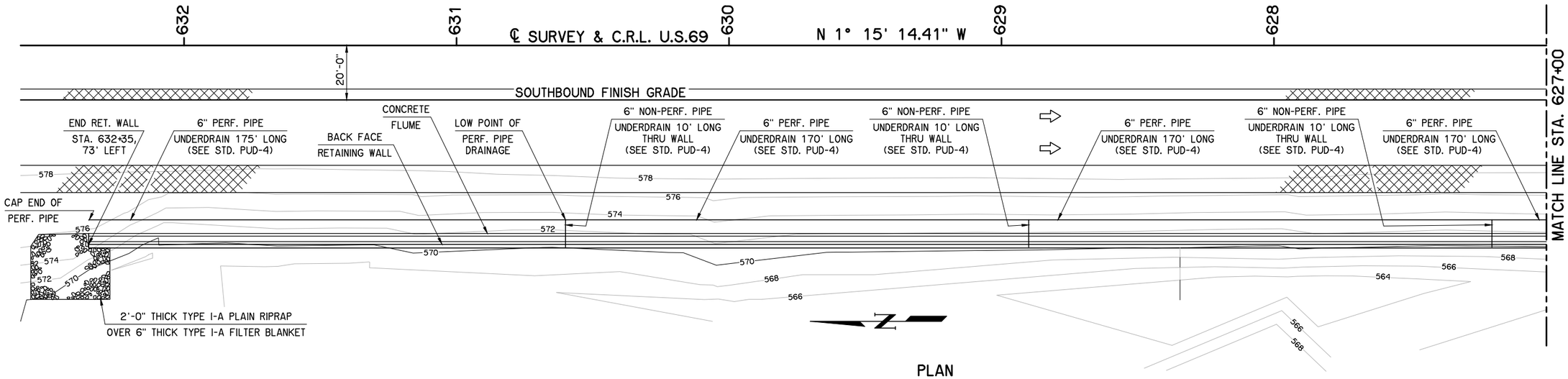
SCALE: 1" = 20'

U.S. HIGHWAY 69

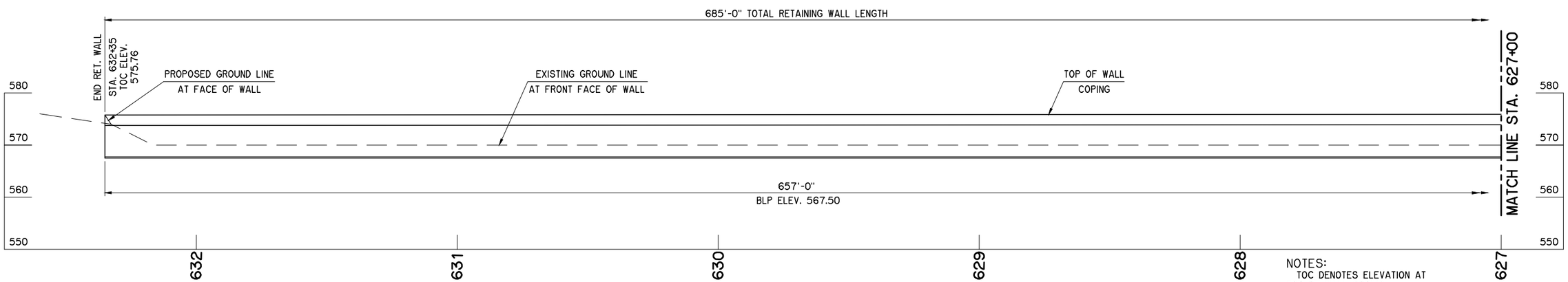
JOINT LAYOUT
SHEET 2

MUSKOGEE COUNTY PROJECT NO. 27108(04) SHEET NO. R053

FINAL REVIEW PLANS
OCTOBER 2023



PLAN
1" = 20'



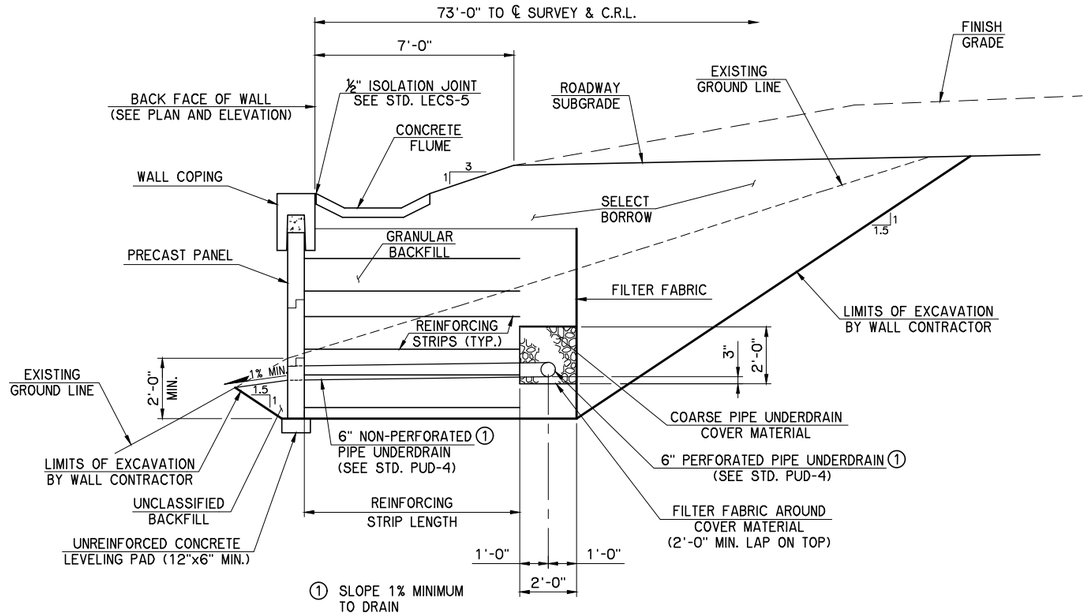
NOTES:
TOC DENOTES ELEVATION AT TOP OF WALL COPING
BLP DENOTES BOTTOM OF 6" CONCRETE LEVELING PAD

ELEVATION
1" = 20' HORIZ.
1" = 10' VERT.

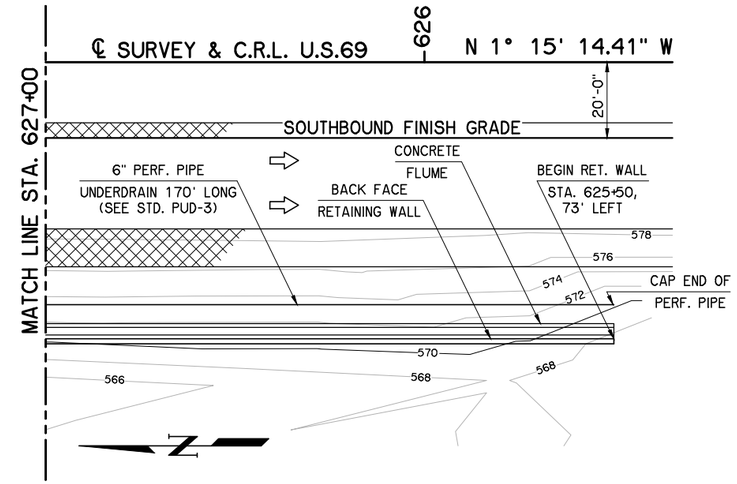
U.S.69 OVER COODY CREEK RETAINING WALL	MUSKOGEE COUNTY	Design	KGL
PLAN AND ELEVATION RETAINING WALL SHEET 1 OF 2		Detail	KGL
		Check	AFW
		CEC	
STATE OF OKLAHOMA	DEPARTMENT OF TRANSPORTATION		
	JOB PIECE NO. 27108(04)		SHEET NO. R054

L:\Active\1454\Drawings\RetainingWall\Plan.dwg, 10/10/2023 8:57:04 AM, Deanne Brittian

FINAL REVIEW PLANS
OCTOBER 2023



TYPICAL SECTION



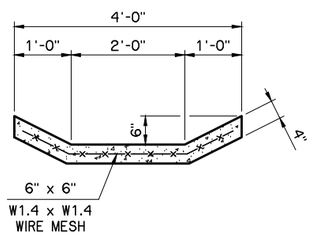
PLAN

1" = 20'

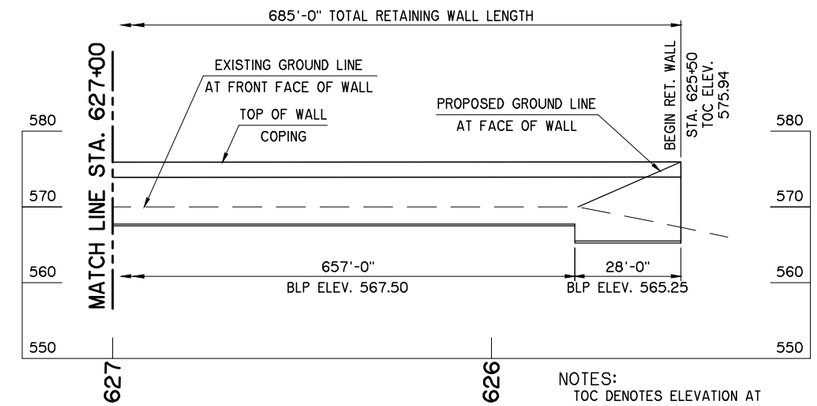
NOTES:

INCLUDE ALL COSTS OF WALL COPING, CONCRETE FILLER, PRECAST PANELS, REINFORCING STRIPS, FILTER FABRIC, JOINT FILLERS, JOINT SEALANT, AND LEVELING PAD IN THE CONTRACT UNIT PRICE OF MSE RETAINING WALLS. FURNISH MSE RETAINING WALL DESIGN FOR SELECTED WALL SYSTEM PERFORMED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF OKLAHOMA IN ACCORDANCE WITH SUBSECTION 510.04.B OF THE SPECIFICATIONS. SUBMIT DESIGN CALCULATIONS AND DRAWINGS TO THE ENGINEER FOR APPROVAL. DO NOT BEGIN INSTALLATION UNTIL APPROVAL BY THE ENGINEER IS RECEIVED.

ALL COST OF ADDITIONAL BORROW OR EXCAVATION, REQUIRED FOR INSTALLING PAVED DITCH, SHALL BE INCLUDED IN PRICE BID FOR CLASS C CONCRETE. THE DITCH SHALL BE WATERED, AND COMPACTED, BEFORE PLACING CLASS C CONCRETE. FOR CURTAIN WALL DETAILS, SEE STD. DC-4.



CONCRETE FLUME DETAIL



ELEVATION

1" = 20' HORIZ.
1" = 10' VERT.

NOTES:

TOC DENOTES ELEVATION AT TOP OF WALL COPING

BLP DENOTES BOTTOM OF 6" CONCRETE LEVELING PAD

RETAINING WALL QUANTITIES		
ITEM DESCRIPTION	UNIT	TOTAL
PAY ITEMS		
CLASS C CONCRETE	C.Y.	18.4
MSE RETAINING WALL	S.Y.	604.5
TYPE I-A PLAIN RIPRAP	TON	80
TYPE I-A FILTER BLANKET	TON	20
NON-PAY ITEMS		
SUBSTRUCTURE EXCAVATION COMMON	C.Y.	1,995
6" PERFORATED PIPE UNDERDRAIN ROUND	L.F.	685
6" NON-PERF. PIPE UNDERDRAIN ROUND	L.F.	30

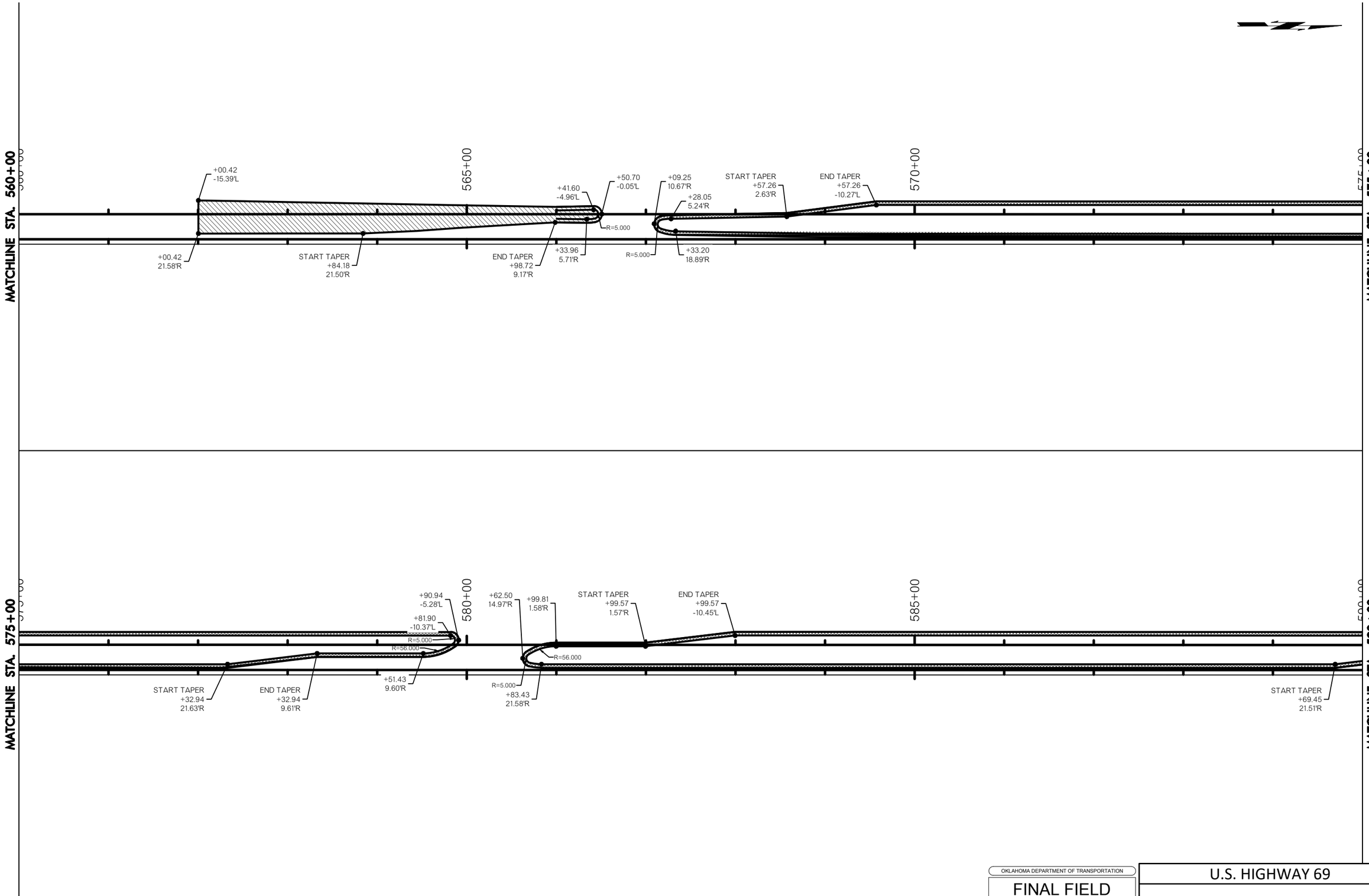
U.S.69 OVER COODY CREEK RETAINING WALL — MUSKOGEE COUNTY

PLAN, ELEVATION AND DETAILS
RETAINING WALL
SHEET 2 OF 2

Design	KGL
Detail	KGL
Check	AFW

CEC

STATE OF OKLAHOMA — DEPARTMENT OF TRANSPORTATION
JOB PIECE NO. 27108(04) — SHEET NO. R055



HUB Engineers
Time of Plot: 11/22/2023 8:32 AM Plot Style: MONOCHROME.CTB
G:\2014\4400TUSSO\DESIGN\Production Plans\27108_MEDIAN LAYOUT.dwg

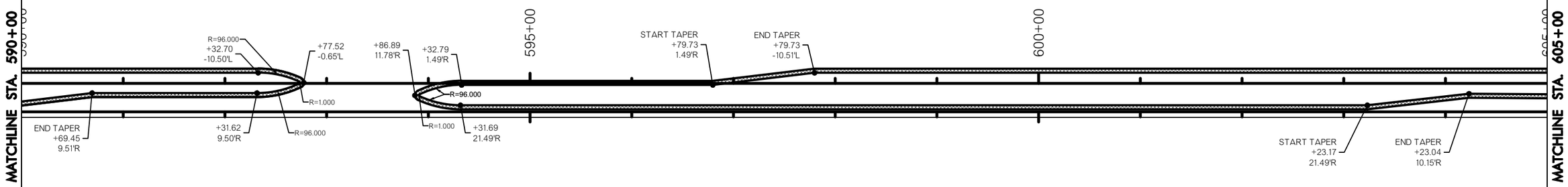
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
November 2023

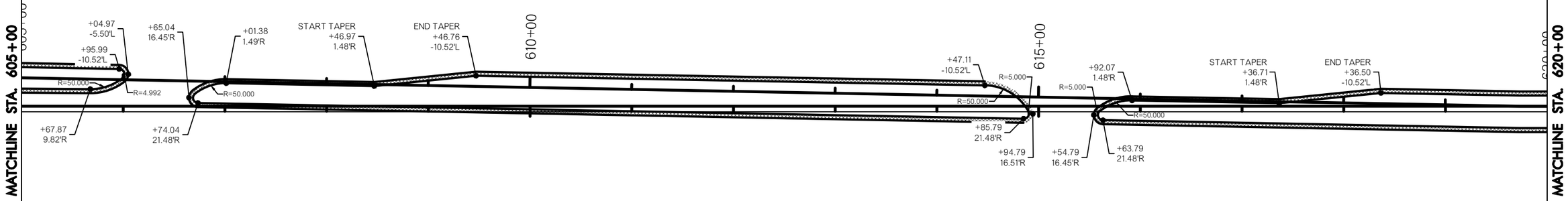
U.S. HIGHWAY 69

MEDIAN LAYOUT (1 OF 7)

MUSKOGEE COUNTY PROJECT NO. 27108(04) SHEET NO. R056



(*)NOTE:
SIDE STREET STATIONING IS BASED OFF OF THE SIDE STEET ℄.



OKLAHOMA DEPARTMENT OF TRANSPORTATION

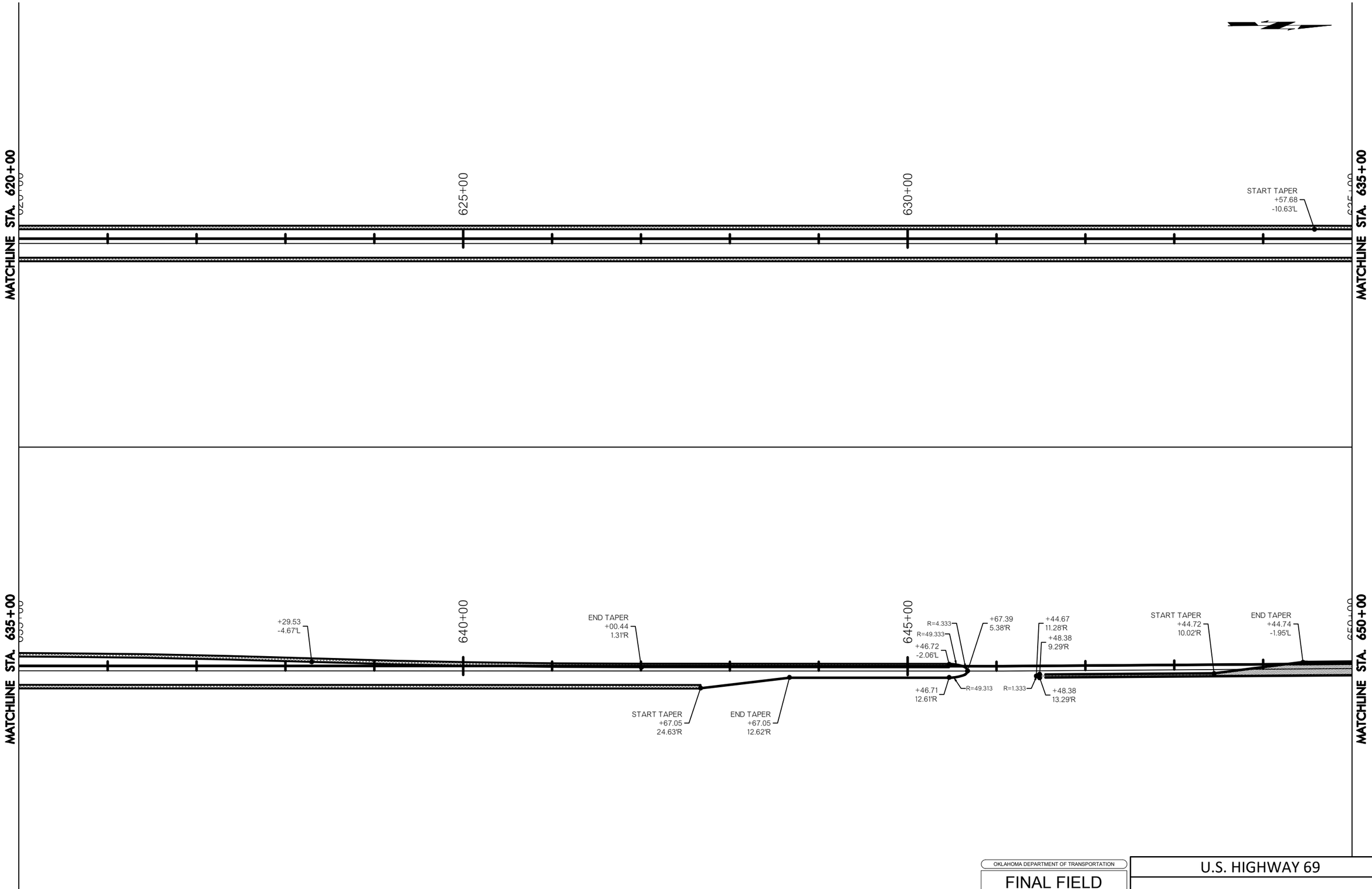
FINAL FIELD MEETING
November 2023

U.S. HIGHWAY 69

MEDIAN LAYOUT (2 OF 7)

MUSKOGEE COUNTY PROJECT NO. 27108(04) SHEET NO. R057

HUB Engineers
Time of Plot: 11/22/2023 8:33 AM Plot Style: MONOCHROME.CTB
G:\2014\4400TUSSO\DESIGN\Production Plans\27108_MEDIAN LAYOUT.dwg



HUB Engineers
Time of Plot: 11/30/2023 3:22 PM Plot Style: MONOCHROMESUCT8
G:\2014\ADOT\USSG\DESIGN\Production Plans\27108_MEDIAN LAYOUT.dwg

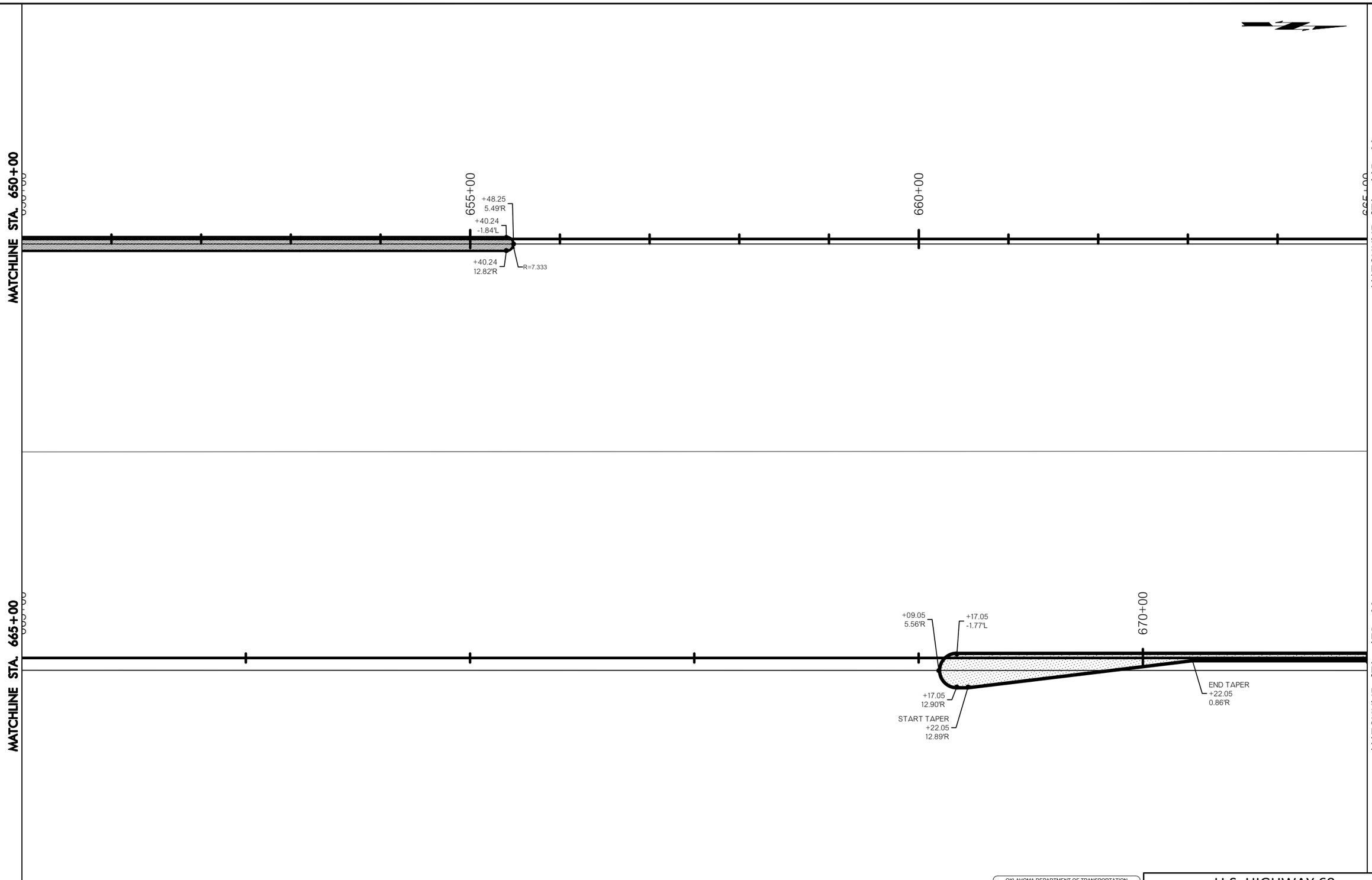
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
November 2023

U.S. HIGHWAY 69

MEDIAN LAYOUT (3 OF 7)

MUSKOGEE COUNTY PROJECT NO. 27108(04) SHEET NO. R058



OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
November 2023

U.S. HIGHWAY 69

MEDIAN LAYOUT (4 OF 7)

MUSKOGEE COUNTY PROJECT NO. 27108(04) SHEET NO. R059

HUB Engineers
Time of Plot: 11/22/2023 8:49 AM Plot Style: MONOCHROMESLCTB
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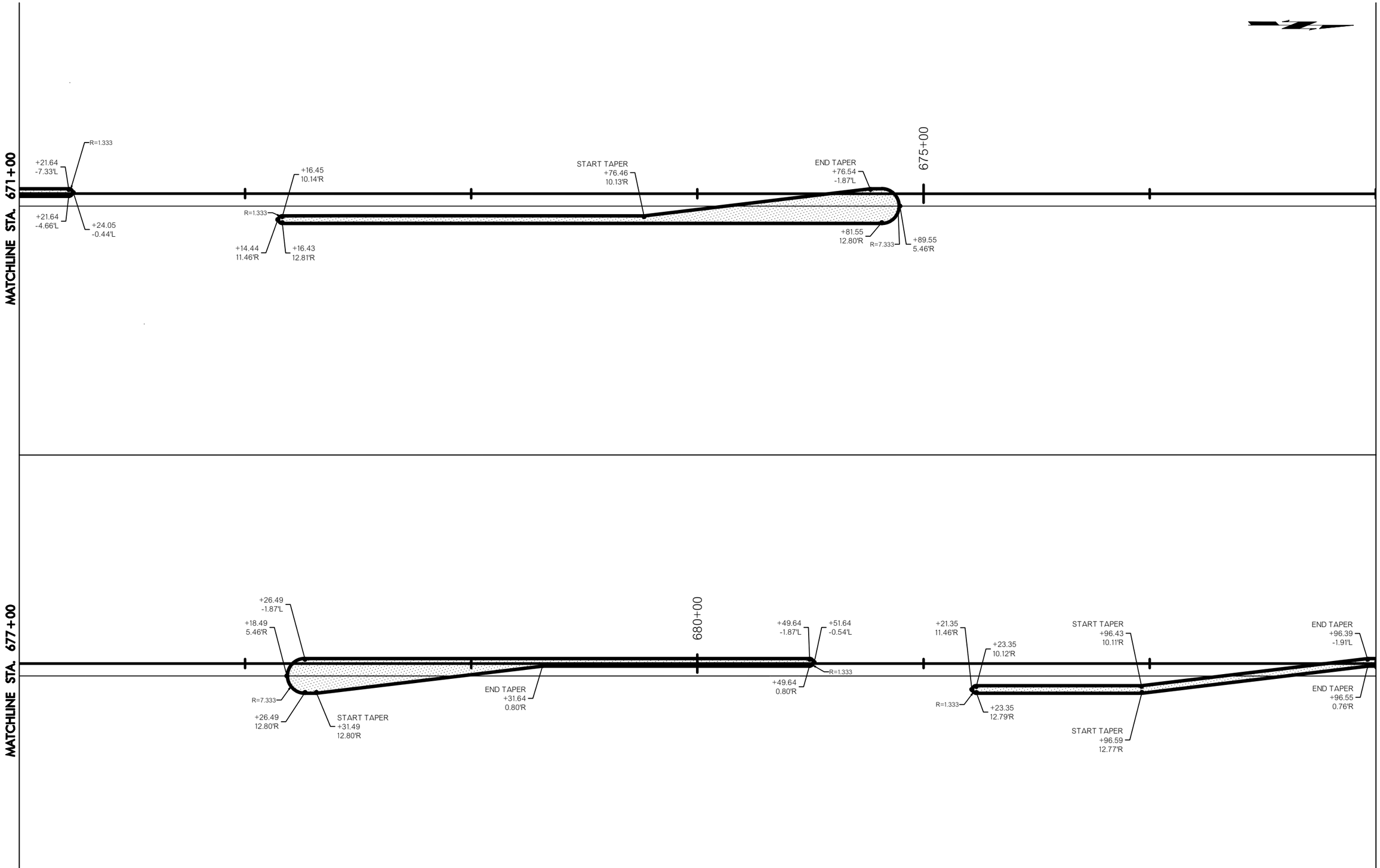

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
November 2023

U.S. HIGHWAY 69

MEDIAN LAYOUT (5 OF 7)

MUSKOGEE COUNTY PROJECT NO. 27108(04) SHEET NO. R060

HUB Engineers
Time of Plot: 11/30/2023 3:59 PM Plot Style: MONOCHROME.CTB
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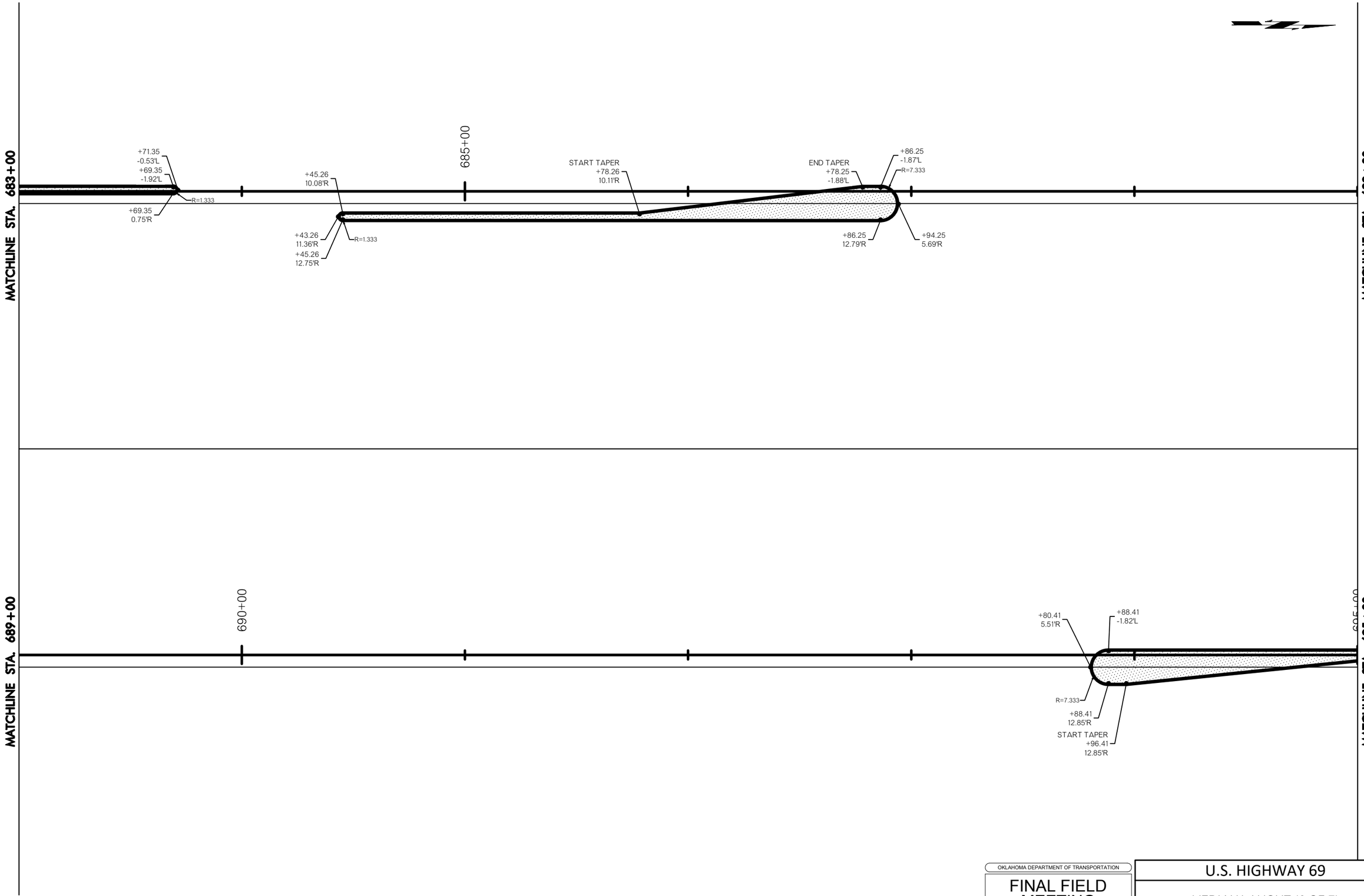


OKLAHOMA DEPARTMENT OF TRANSPORTATION

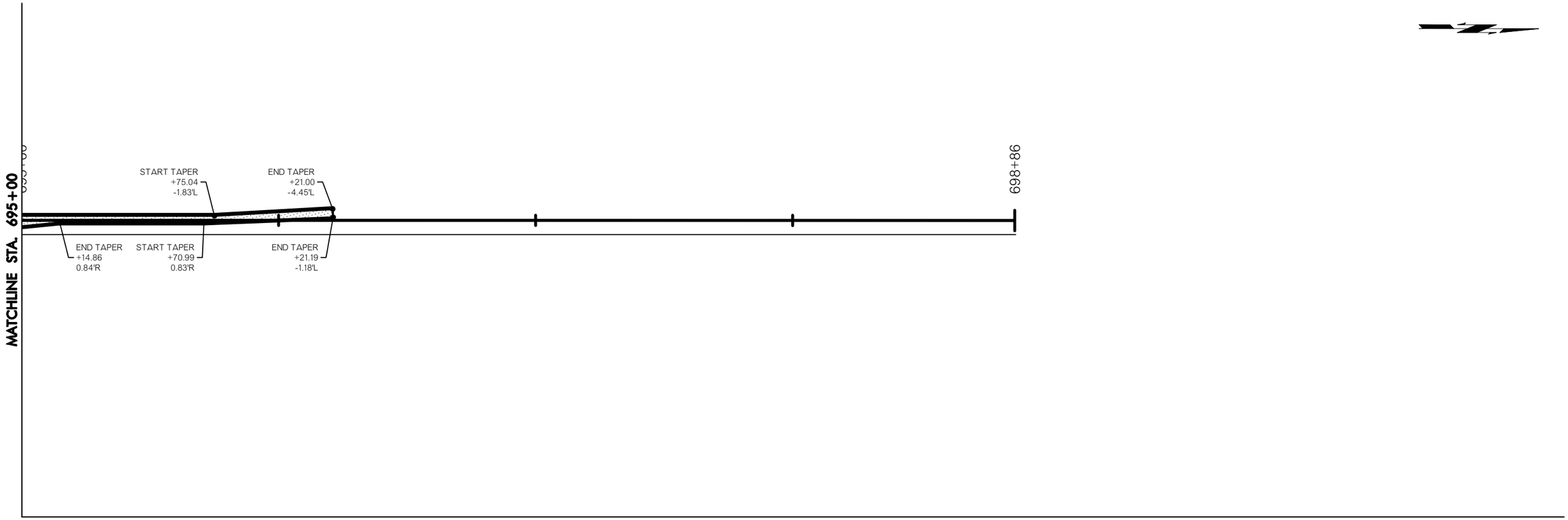
FINAL FIELD MEETING
November 2023

U.S. HIGHWAY 69

MEDIAN LAYOUT (6 OF 7)

MUSKOGEE COUNTY PROJECT NO. 27108(04) SHEET NO. R061

HUB Engineers
Time of Plot: 11/22/2023 8:50 AM Plot Style: MONOCHROME.CTB
G:\DEA\MODOT\DESIGN\Production Plans\27108_MEDIAN LAYOUT.dwg



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OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING
November 2023

U.S. HIGHWAY 69

MEDIAN LAYOUT (7 OF 7)

MUSKOGEE COUNTY PROJECT NO. 27108(04) SHEET NO. R062

STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SWO 4933 (1) J/P 27108(04) ; MUSKOGEE 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 STATE PLANE COORDINATE SYSTEM NAD83(93)

1. Primary Control adjusted to NAD 83(93) OK-NORTH 1 Order
Stations LUX, MUSKPORT
A) Closure before adjustment X ; Y Angles
Trav. Length No. Angles ; 1:
B) ; is ( ) Order before adjustment.
C) Method of Distance Measurement:
( ) Electronic (X) GPS ( ) Triangulation ( ) Chained
D) Instrument used for angles SOKKIA GRX1,GRX2
2. Secondary Control adjusted to Primary Control 3 Order
Stations M-51-980-M-51-985 LUX; MUSKPORT
A) Closure before adjustment X ; Y Angles
B) ; is 3RD Order; Tied to
C) Method of Distance Measurement:
(X) Electronic ( ) GPS ( ) Triangulation ( ) Chained
D) Instrument used for angles SOKKIA SET 3 SERIES

VERTICAL CONTROL 3 order. Level Line taken from O-56-431
3 order and tied ODOT STA M51-4 2 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

Charles W. Chastain
Professional Land Surveyor

5-May-16
Date

(FORM SD #20)
Rev. 11/03

UTILITIES

FIBER OPTIC (UNDERGROUND:
AT&T
(405) 250-7645
ATTEN: GREG GILLY

WATER:
CITY OF MUSKOGEE
P.O. BOX 1927
MUSKOGEE OK 74402-1927
(918) 682-6602

ELECTRIC:
OKLAHOMA GAS & ELECTRIC
321 NORTH HARVEY AVENUE
OKLAHOMA CITY, OK 73102-3405
(405) 553-3000

GAS:
OKLAHOMA NATURAL GAS
401 N. HARVEY
OKLAHOMA CITY, OK 73101
(800) 664-5463

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 S1 OF S12

STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION

SURVEY OF

U.S. HIGHWAY 69

SWO 4933(1)

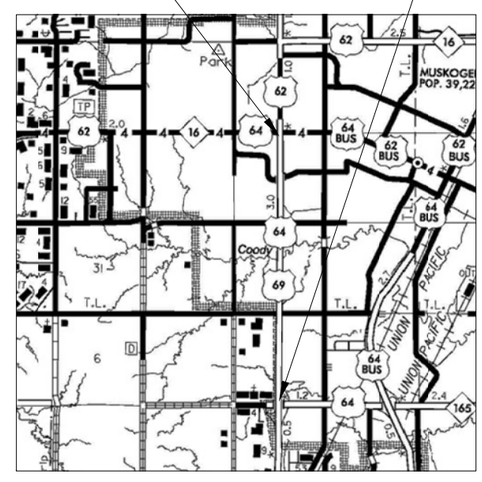
J/P NO. 27108(04)

OKLAHOMA

FROM U.S. 64 (PEAK BLVD) NORTH 3 MILES
TO U.S. 64-B (OKMULGEE AVE.) IN MUSKOGEE

SURVEY EXTENTS

R-18-E



T 15 N

T 14 N

PROJECT LENGTH 15,813.53 FT. 3.000 MI.

BEGINNING STATION :540+72.83
ENDING STATION :698+86.36

ELECTRONIC FILE TRANSFER DISCLAIMER:

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

REVISIONS	
DESCRIPTION	DATE

INDEX OF SURVEY SHEETS

STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION

SWO No. 4933(1) **Job/Piece 27108(04)**

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 MAY 6, 2016

Land Surveyor _____
Signature

CHARLES W. CHASTAIN
Printed Name

REGISTERED LAND SURVEYOR
CHARLES W CHASTAIN
L.S. 1352
OKLAHOMA

Oklahoma Licensed Land Surveyor No. 1352

Certificate of Authorization No. 219

PLS	CWC	
DRAWN	-	
CHECKED	CWC	
APPROVED		
CREW		

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

SWO 4968(1) PROJECT NO. 24761(04) SHEET NO. S1

8-87

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

REVISIONS	
DESCRIPTION	DATE

OKLAHOMA DEPARTMENT OF TRANSPORTATION MAY 8, 2016

To: Mr. W. Leroy Tacket, Chief of Surveys

From: Charles W. Chastain, Professional Land Surveyor

Subject: SWO 4933(1)) J/P No. 27108(04)– U.S. 69– Muskogee county
Us 69 from us 64 (Peak Blvd). North 3 miles to Us64-B (Okmulgee Ave. in Muskogee

Historical Letter & Written Report

1. General

Survey Began: February 18, 2016
Survey Completed: November 15, 2015

Personnel on this survey:
Charles W. Chastain, PLS

Josh Rowan	Party Chief
Sean Johnsey	Survey Tech
Byron Rogers	Survey Tech
Earnest Faulconer	Survey Tech

2. Assignment
This survey was assigned to me by the Transportation Survey Manager via a Survey Scope and Special Provision letter dated November 3, 2013 . The Survey Crew, under the direct supervision of Mr. Charles W. Chastain, PLS, began work on the project on February 18, 2015 .

3. Purpose
The purpose of this survey is to obtain adequate information for the design and reconstruction of the Roadway.

4. Limit- 300 feet left and 300 feet right of the center line of US 69

This survey began on POT station 540+72.83 to P.O.T. Station 698+86.37 U.S Highway 69 as shown on FAP No. U-593(29) plans and at Assigned POT 10+00 to 30+00 of the Pedestrian Trail,(Formerly Midland Valley Railroad connection

5 Alignment

The centerline of survey is along the Identical centerline of US. Highway 69 established by recovered reference iron pins as shown in SWO 2725(1) survey and FAP No. U-593(29) plans. The alignment consist of a Tangent from P0T Station 540+72.83 to POT Station 566+87.33 to POT SAT 593+31.89 to POT STA 619+72.41 to POT STA 646+06.85 to POT STA 652+78.34 to POT STA 698+86.37
The centerline of the Trail survey was set from a intersecting point of the Us 69 centerline being 20+00 And extending 1000 feet each way along the center of the trail creating a beginning station of 10+00 and an ending station of 30+00

Stationing (A001) was established along US Highway 62by setting the P.O.T. station 540+72.83 from ties shown on the FAP No U-593(29) plans then continuing ahead along the center line of U.S. Highway 69 to station 698+86.37. Existing iron pins were found on reference lines along the center line of US Hwy 69.
Field measurements reveal the following information.
My survey comparison to the plans stated above measurements revealed a difference of 0.22 feet overall from the measurements as recorded along us highway 69, being a minimal amount of measurement difference.
Stationing (A002) was established along the centerline of the Pedestrian Trail as mentioned earlier in this letter.

7 Horizontal Control:
Horizontal Control for this survey is NGS Oklahoma State Plane Coordinate System, Lambert Projection, North Zone, derived by static GPS Methods at 2 control points at each end of the Survey at ODOT Stations M-51-980 and M-51-986. NGS stations Muskport and "LUX" was utilized is establishing and to verify project coordinates.

a) Static GPS methods were used to establish the following Secondary Control point No. M-51-981 through M-51-985 all of which are rebars with surv- caps set at the project location.

b) A ground measurement was taken between the 7 secondary control points to verify static GPS method distances.

c) All data contained in this survey is Grid Data, No Transformation was made to correct to the surface. Coordinates on the state plane grid do not reflect actual ground distances.

8. Vertical Control:
a) Vertical Control for this survey is NAVD88.

b) Vertical Control Points:
Derived from differential levels utilizing Odot Station M-51-4 also used as BM No. 2 In this Survey
c) Differential leveling method was utilized to verify difference between all control points established by GPS methods and to set vertical Benchmark elevations for this Project.

SDS _____ DF_____

PLS		
DRAWN		
CHECKED		
APPROVED		
CREW		

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

SWO 4933(1) PROJECT NO. 27108(04) SHEET NO. S2

8-87

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

REVISIONS	
DESCRIPTION	DATE

d) All leveling was conducted with a Sokkia BC20. The project level control began on primary control station M-51-4 as shown on survey data sheet S5 of SWO 3822 (1) , then run through the project corridor to BM 1 thru BM 19 and through secondary control points 7400-7407 then back thru BM 19 to Station M-51-4

A benchmark list depicting newly established benchmarks, as well as results of the control leveling has been placed in the archived Microstation Design File. (See: SUBMITTED DATA BELOW).

9. Measurement Units:

The distances, coordinates, and elevations shown on this survey are in US SURVEY FEET. All angles and bearings shown are in degrees, minutes, and seconds.

10. Photo Controls:

There are no photo control points on this project.

11. Topography:

All topography information was obtained during the course of this survey by GPS RTK along with field conventional methods as directed by the ODOT Survey Specifications for primary and secondary highways.

12. Cross Section/DTM:

All surface feature information was obtained during the course of this survey by field conventional methods. (See: SUBMITTED DATA BELOW).

13. Underground Storage Tanks/Hazardous Waste Sites:

There were no Underground storage tanks/ Hazardous Waste Sites encountered during this survey.

14. Utilities:

All utility companies servicing the project extents were contacted after first contacting OKIE, during the course of this survey. Survey Crew Personnel were provided a set of flags on the ground by utility companies or their specified agents to field locate all underground utilities. There were no depths on any line or pipe measured.

15. Land Ties:

Section 4 Township 14 North, Range 18 East of the IM, and sections 28 and 33, Township 15 North, Range 18 East IM were surveyed within this survey by first checking the recorded corner records and field locating and verifying the position of existing corners and checking accuracies by applying The Oklahoma minimum standards for land surveys
.

16. Data Submitted:

A. Reports:
1) Transmittal Letter.
2) ODOT Form SD-7, Public and Privately Owned Utility List.
3) ODOT Form SD-11, Control Point Form, for Control points M-51-980-m-51986
4) ODOT Form SD-20, Survey Control.
5) ODOT Form SD-41, Surveyor's Certification.
6) COGO Data (Coordinate List With Alignments).
7) Benchmark and Check Level List.

B. Computer Files:= 1 DGN file of entire survey

Respectfully Submitted,

Charles W. Chastain, PLS Date 05/08/2016

SDS _____ OF_____

PLS	CWC	
DRAWN	-	
CHECKED	CWC	
APPROVED		
CREW		

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

SWO 4933(1) PROJECT NO. 27108(04) SHEET NO. S3

8-87

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

REVISIONS	
DESCRIPTION	DATE

BENCH MARK DESCRIPTION LIST NAVD88 DATUM

BM 1	590.84	CHISELED X IN CONC. HDWLL 591' LT 539+50.4 US 69
BM 2	588.08	OSHD MON M-51-4 260.3 RT 553+72.4 US 69
BM 3	595.34	CHISELED X ON TOP CONCRETE AT FLAG POLE. 261.8 RT 560+42.5 US 69
BM 4	595.08	CHISELED BOX SW COR SIDE WALK @ ANTIQUE MALL 153 RT 567+20.7
BM 5	593.72	CHISELED X ON TOP CONC DRIVEWAY 297 RT 580+53.5 SH 69
BM 6	594.02	3" BRASS MON- CITY OF MUSKOGEE NETWORK STA H-24 FLUSH W/ GROUND 76.2 RT. 592+51.6
BM 7	593.28	CHISELED BOX IN CONCRETE PARKING LOT ANTIQUE MALL 213.4 LT 596+13 US 69
BM 8	589.83	CHISELED X IN NW COR CONC DRIVE 99 RT 607+73 US 69
BM 9	584.12	CHISELED X IN SW COR CONC DR. 239.7 RT. STA 615+36 US 69
BM 10	576.07	CHISELED X IN WEST HDWL 521 LT STA 625+18.3 US 69
BM 11	573.77	CHISELED BOX IN SW COR SIDEWALK 125 RT STA 638+82 US 69
BM 12	590.88	3" BRASS MON-CITY OF MUSKOGEE NETWORK STA V-19 134+4 RT. STA 646+25
BM 13	583.06	CHISELED X IN SW COR SIDEWALK 116.4 RT STA 656+67.8 US 69
BM 14	587.29	CHISELED X ON N. SIDE CONC ISLAND 100' RT STA 663+67.7 US 69
BM 15	593.61	CHISELED BOX ON SE COR SIDEWALK AT KUM AND GO 166.9' RT STA 670+24.2 US 69
BM 16	595.97	CHISELED X ON TOP CURB AT OLD DINER 185.1 LT STA 677+67.6 US 69
BM 17	607.08	CHISELED X ON TOP CURB AT THE CLINIC 229.7' RT 683+79.85
BM 18	614.49	CHISELED X ON SW COR SIDEWALK AT SW COR BUILDING 113.3 RT STA 692+45.8 US 69
BM 19	612.46	CHISELED X ON STEP AT SE COR SMALL BLDG 158' LT STA 699+42 US 69

EXISTING ALIGNMENT REPORT

Project Name: SWO 4933(1) MUSKOGEE COUNTY.

Horizontal Alignment Name: A001
Description: CL Survey PRESENT HIGHWAY US-69 from FAP No. U-593(29), Style: Centerline
Element: Linear

	STATION		EASTING	NORTHING
300	P.O.T 540+72.83		2739504.8104	269331.0604
		TANGENT DIRECTION N0°16'12.80"W TANGENT DISTANCE 2614.50		
302	PI 566+87.33		2739446.8530	271944.9140'
		TANGENT DIRECTION N0°15'12.73"W TANGENT DISTANCE 2644.56		
305	PI 593+31.89		2739388.9990'	274588.8430'
		TANGENT DIRECTION N0°15'20.81"W TANGENT DIRECT. 2640.52		
306	PI 619+72.41		2739331.1300'	277228.7300'
		TANGENT DIRECTION N0° 14' 57.57"W TANGENT DIRECT 2634.44		
308	PI 646+06.85		2739273.6910'	279862.5470'
		TANGENT DIRECTION N0° 41' 20.49"W TANGENT DIRECT. 671.49		
310	PI 652+78.34		2739253.8990'	280533.7450'
		TANGENT DIRECTION N0° 39' 59.69"W TANGENT DIRECT. 4608.02		
330	POT 698+86.37		2739119.8940'	285139.8290'

SDS _____ OF_____

PLS	CWC	
DRAWN		
CHECKED	CWC	
APPROVED		
CREW		

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

SWO 4933(1) PROJECT NO. 27108(04) SHEET NO. S4

8-87

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

REVISIONS	
DESCRIPTION	DATE

1	273891.5.7140	269195.6330	590.8400
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3	273972.3.2840	271306.4140	595.3350
4	273959.9.3220	271981.6380	595.0800
5	273971.3.3700	273317.2820	593.7150
6	273946.3.3310	274514.9000	594.0200
7	273916.9.4630	274865.2140	593.2750
8	273945.7.5240	276031.7190	589.8300
9	273958.0.3510	276797.6890	584.1200
10	273966.6.8860	277777.6630	576.0650
11	273941.6.5550	279141.4630	573.7650
12	273913.8.5300	279877.8630	590.8850
13	273935.9.1830	280928.1180	583.0550
14	273932.2.0680	281625.4920	587.2900
15	273937.0.0040	282284.1440	593.6100
16	273899.4.5580	283018.3490	595.9700
17	273939.3.5280	283640.9950	607.0800
18	273925.1.5760	284502.7850	614.4900
19	273896.1.8120	285195.1460	612.4550
20	273823.0.7150	280390.0850	596.5900
21	274025.8.9410	280596.0690	583.6950
22	274128.3.7170	280808.9390	594.8250
23	273931.9.0760	280536.0540	590.4150
300	273950.4.8104	269331.0604	
302	273946.6.8530	271944.9140	
305	273938.8.9990	274588.8430	
306	273933.1.2460	272228.7890	
308	273927.3.6910	279862.5470	
310	273925.3.8990	280533.7450	
330	273911.9.9400	285139.8290	
7400	273977.0.0680	268083.7810	667.7900
7401	273929.3.5500	272611.3800	596.7600
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7403	273921.1.8320	276552.8120	591.9050
7404	273934.0.8020	279908.5960	591.0100
7405	273940.0.1130	281773.6680	586.9250
7406	273923.4.2030	283680.5360	604.8500
7407	273902.6.1570	285330.2860	614.0000
7605	273948.8.4000	273929.5680	
7608	273945.4.3520	275511.0020	
7611	273943.1.0690	277231.6130	
7614	273932.6.5150	281476.9740	
7627	273911.3.1780	280566.8980	
7655	273907.3.8742	284651.6674	
7657	273923.1.0508	277226.0503	
7701	273924.7.3514	282807.3954	
7702	273924.7.4113	282807.4078	
7703	273925.0.6213	282687.4387	
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7705	273925.6.7531	282478.3335	
7706	273925.9.3181	282424.7693	
7707	273891.6.1409	282365.7656	
7709	273943.1.4819	282551.8767	
7710	273943.1.6613	282497.3718	
7711	273926.3.1581	282279.8519	
7712	273926.3.4979	282279.8627	
7713	273926.6.2434	282174.8969	
7714	273926.6.5932	282174.9080	
7715	273926.9.3288	282069.9419	
7716	273926.9.6786	282069.9531	
7718	273927.2.3432	281964.9847	
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7720	273927.5.4709	281860.0311	
7721	273930.0.8098	281860.8378	
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7723	273930.3.7863	281755.8793	
7724	273930.6.5027	281650.9126	
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7726	273930.9.5988	281545.9580	
7729	273935.2.1492	280595.3146	
7730	273900.5.5275	280634.8102	
7731	273972.8.7254	280537.3664	
7732	273934.5.0999	280493.8748	
7733	273936.2.5889	279894.1308	
7734	273991.8.8023	279911.9389	
7735	274053.6.1628	279876.9271	
7736	273937.3.9700	279840.9158	
7737	273946.0.0248	279911.6953	
7738	273944.5.0306	279911.2631	
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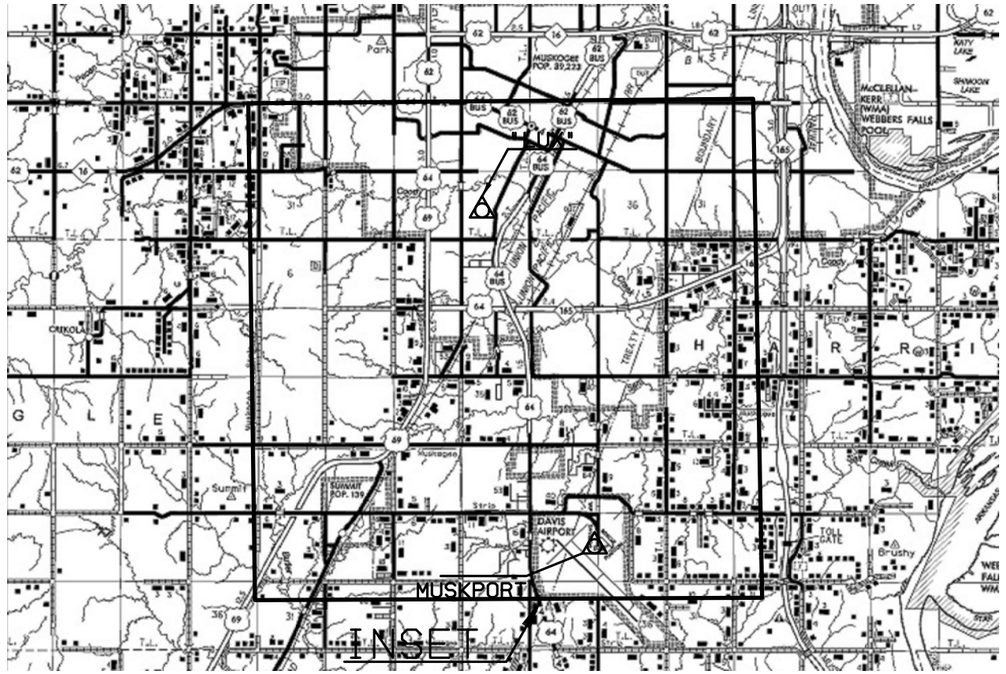
SDS _____ OF_____

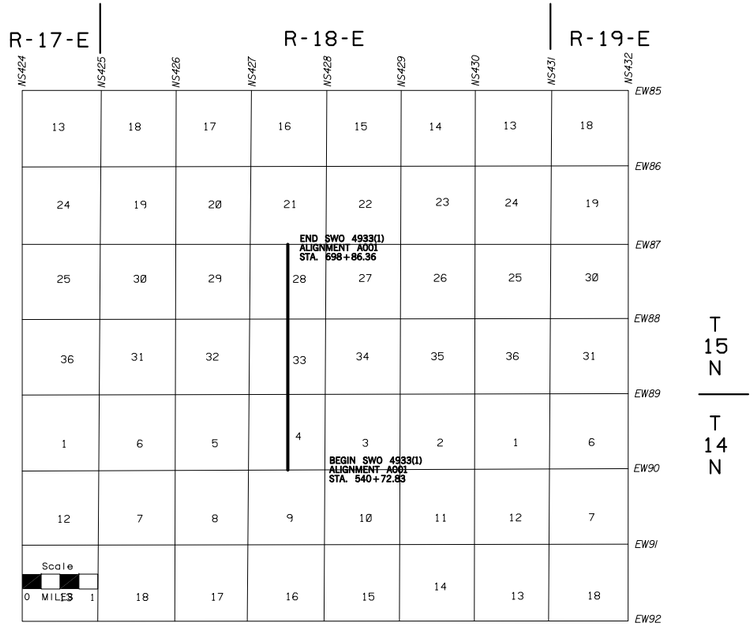
PLS			OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION
DRAWN			
CHECKED	CWC		SURVEY DATA SHEET
APPROVED			
CREW			SWO 4933(1) PROJECT NO. 27108(04) SHEET NO. S5

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

REVISIONS	
DESCRIPTION	DATE



INSET



T 15 N

T 14 N

SDS _____ OF _____

PROJECT GPS DATA

SWO 4933(1) MUSKOGEE COUNTY OKLAHOMA

Project Summary

Project name: US 69 REDO.ttp
Surveyor:
Comment:
Linear unit: USFeet
Projection: SPC83-Oklahoma (North)
Geoid: g2012au6
Adjustment Summary

Adjustment type: Plane + Height, Minimal constraint
Confidence level: 95 %
Number of adjusted points: 3
Number of plane control points: 1
Number of used GPS vectors: 2
A posteriori plane UWE: 1 , Bounds: (1 , 1)
Number of height control points: 1
A posteriori height UWE: 1 , Bounds: (1 , 1)

Used GPS Observations**Name dN (USft) dE (USft) dHt (USft) Horizontal Precision (USft) Vertical Precision (USft)** 7400-3-5-15_ZAXC−muskport3-5-15_6IOI -16819.604 12631.233 -77.780 0.008 0.013 7407-3-5-15_ZAXC−muskport3-5-15_6IOI -34066.167 13382.194 -25.443 0.014 0.023

GPS Observation Residuals**Name dN (USft) dE (USft) dHt (USft) Horizontal Precision (USft) Vertical Precision (USft)** 7400-3-5-15_ZAXC−muskport3-5-15_6IOI -16819.604 12631.233 -77.780 0.008 0.013 7407-3-5-15_ZAXC−muskport3-5-15_6IOI -34066.167 13382.194 -25.443 0.014 0.023

Control Points**Name Grid Northing (USft) Grid Easting (USft) Elevation (USft) Code** muskport3−5−15_6IOI 251264.177 2752408.301 590.620

Adjusted Points**Name Grid Northing (USft) Grid Easting (USft) Elevation (USft) Code** 7400−3−5−15_ZAXC 268083.781 2739777.068 571.391 7407−3−5−15_ZAXC 285330.344 2739026.107 519.054

SOKKIA SPECTRUM STATIC GPS POST PROCESS DATA

7400−3−5−15_ZAXC 35°42'29.18161"N 95°24'06.65589"W 571.391
7407−3−5−15_ZAXC 35°45'19.88389"N 95°24'10.16489"W 519.054
muskport3−5−15_6IOI 35°39'39.53083"N 95°21'39.09398"W 590.620

PLS	CWC	
DRAWN		
CHECKED	CWC	
APPROVED		
CREW		

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

SWO 4933(1) PROJECT NO. 27108(04) SHEET NO. S6

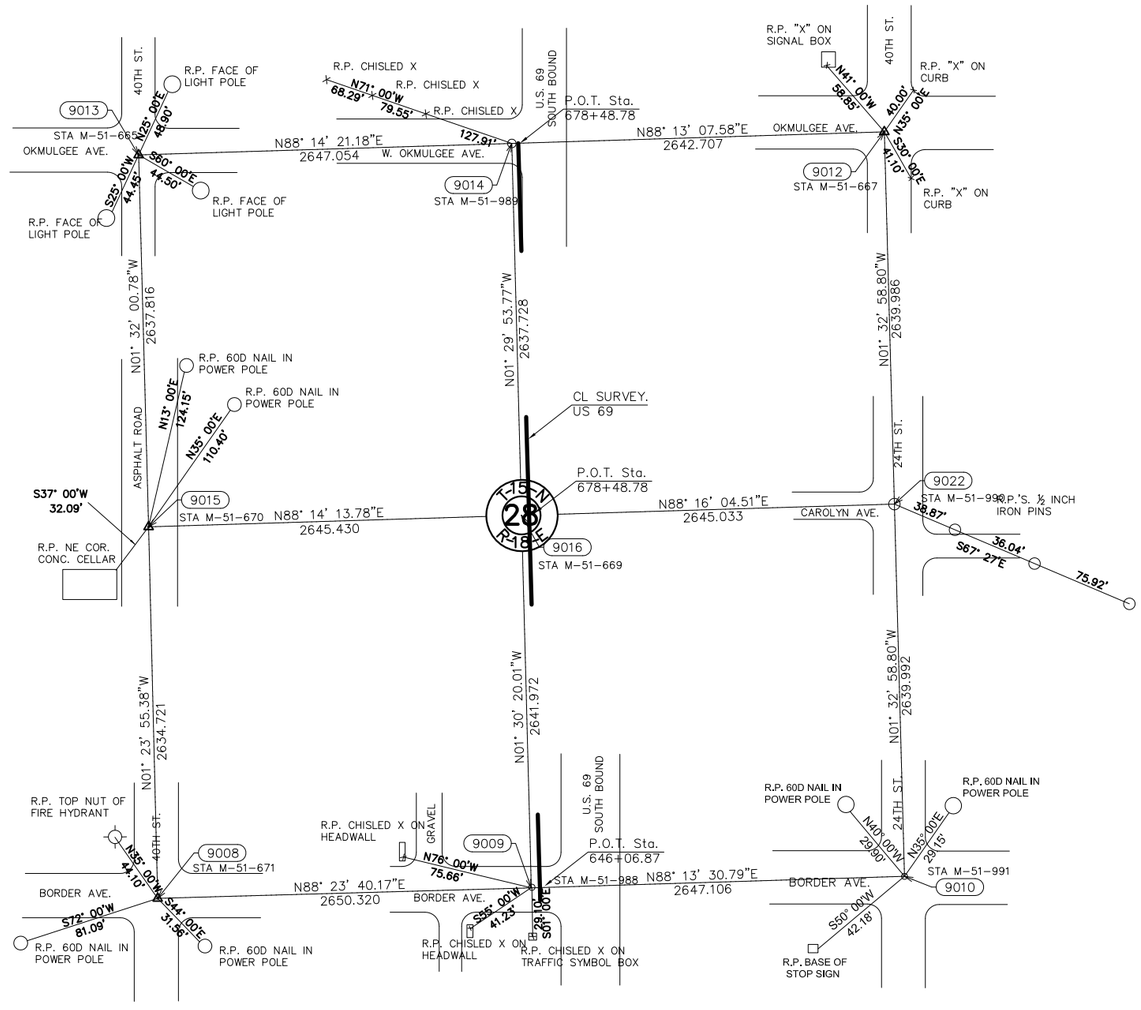
8-87

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

REVISIONS

DESCRIPTION	DATE



NOTE: REFERENCE'S SHOWN ARE NOT TO SCALE.

PLS	CWC	
DRAWN	DC	
APPROVED		
CREW		

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

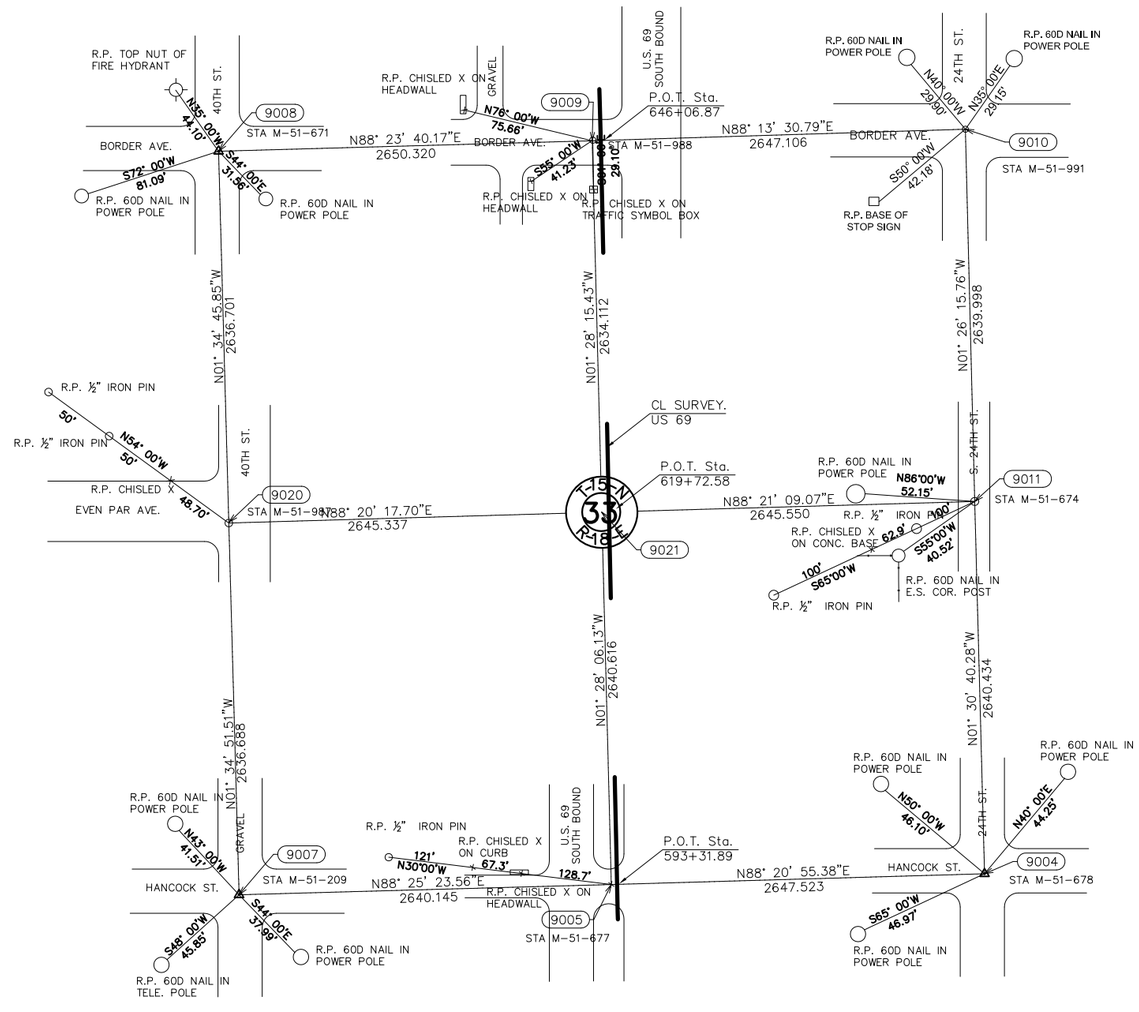
SWO 4933(1) PROJECT NO. 27108(04) SHEET NO. S7

SDS S5 OF S8

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

REVISIONS	
DESCRIPTION	DATE



NOTE: REFERENCE'S SHOWN ARE NOT TO SCALE.

PLS	CWC	
DRAWN	DC	
APPROVED		
CREW		

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

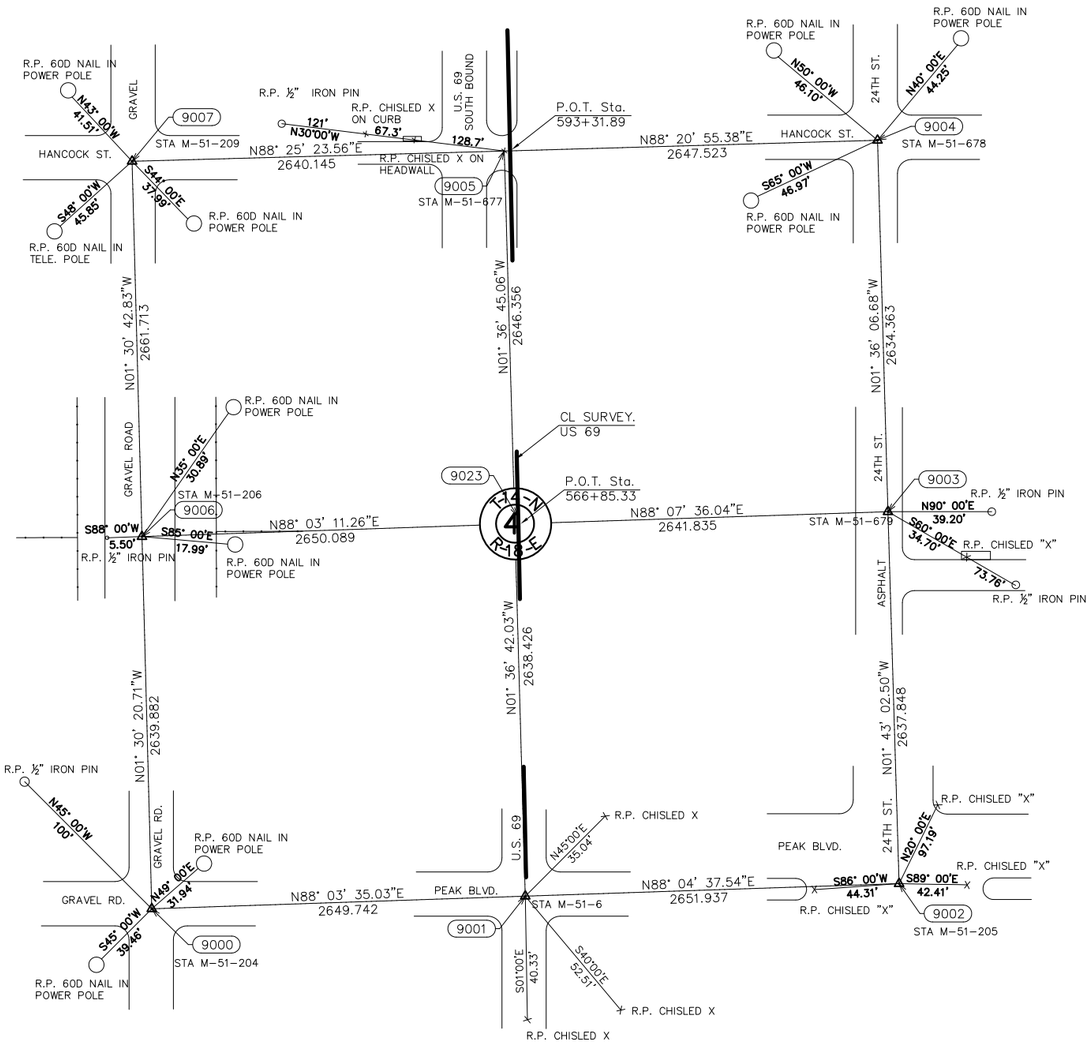
SWO 4933(1) PROJECT NO. 27108(04) SHEET NO. S8

SDS S5 OF S8

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				

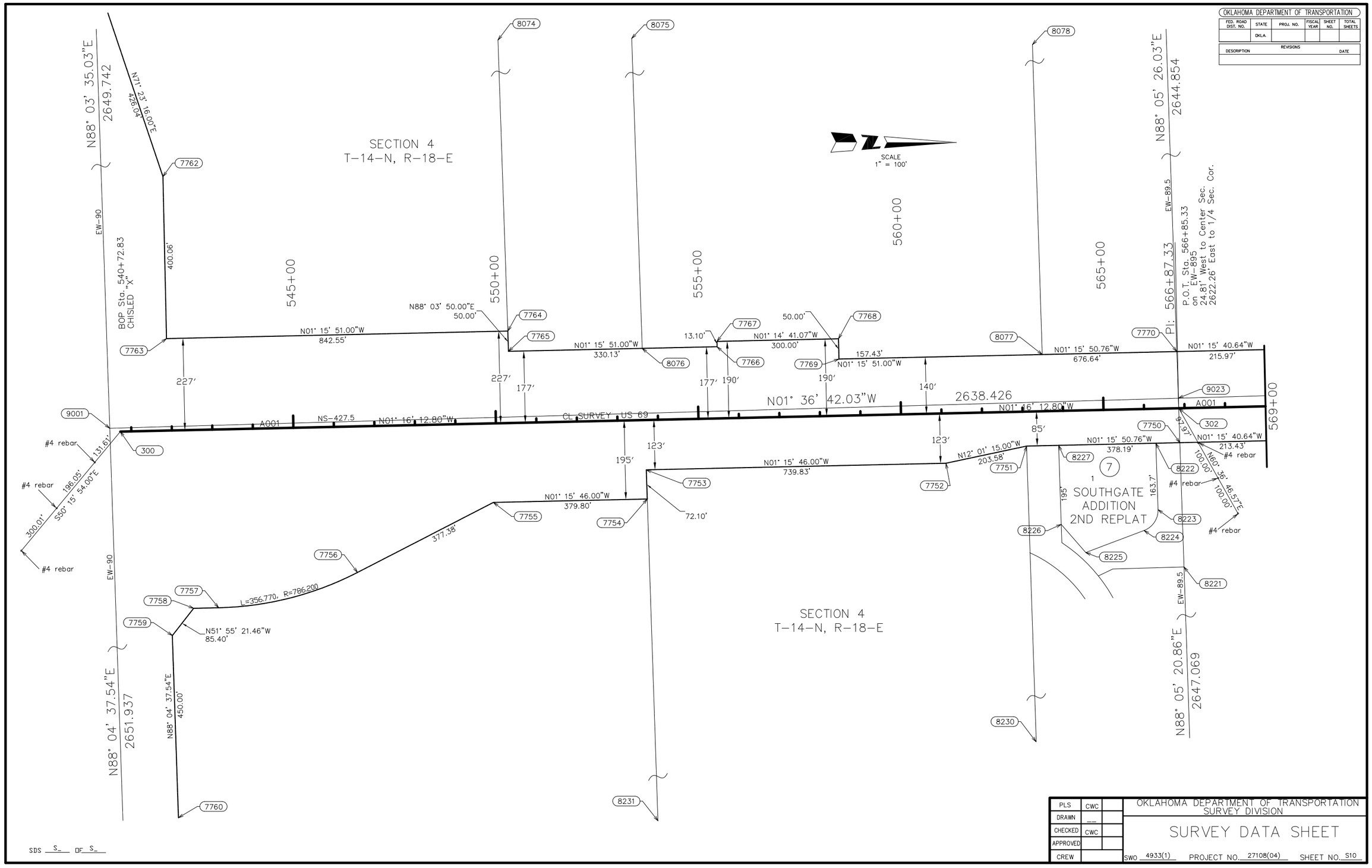
REVISIONS	
DESCRIPTION	DATE



NOTE: REFERENCE'S SHOWN ARE NOT TO SCALE.

PLS	CWC	OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION
DRAWN	DC	
APPROVED		SURVEY DATA SHEET
CREW		SWO 4933(1) PROJECT NO. 27108(04) SHEET NO. S9

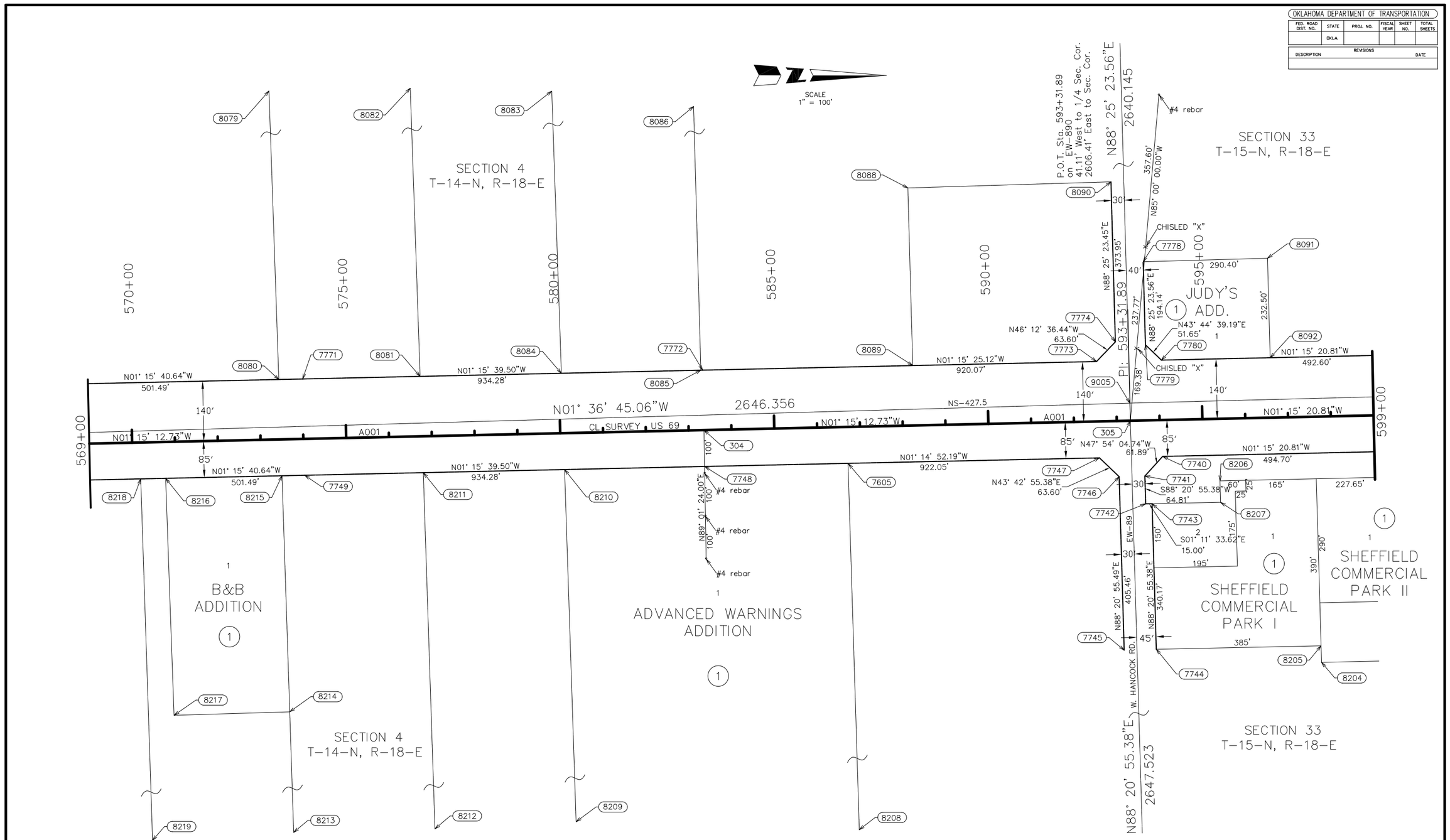
SDS S5 OF S8


OKLAHOMA DEPARTMENT OF TRANSPORTATION
FED. ROAD DIST. NO.
STATE
PROJ. NO.
FISCAL YEAR
SHEET NO.
TOTAL SHEETS
OKLA.
REVISIONS
DESCRIPTION
DATE
SCALE 1" = 100'
SECTION 4
T-14-N, R-18-E
N88° 03' 35.03"E
2649.742
N71° 23' 16.00"E
426.04'
N88° 05' 26.03"E
2644.854
EW-90
EW-89.5
BOP Sta. 540+72.83
CHISLED "X"
400.06'
545+00
550+00
555+00
560+00
565+00
569+00
P.O.T. Sta. 566+85.33
on EW-895
24.81' West to Center Sec.
2622.26' East to 1/4 Sec. Cor.
PI: 566+87.33
N01° 15' 51.00"W
842.55'
N88° 03' 50.00"E
50.00'
N01° 15' 51.00"W
330.13'
13.10'
N01° 14' 41.07"W
300.00'
50.00'
157.43'
N01° 15' 51.00"W
N01° 15' 50.76"W
676.64'
N01° 15' 40.64"W
215.97'
227'
227'
177'
177'
190'
190'
140'
N01° 36' 42.03"W
2638.426
N01° 16' 12.80"W
A001
NS-427.5
N01° 16' 12.80"W
CL SURVEY US 69
123'
123'
195'
123'
85'
N01° 15' 50.76"W
378.19'
N01° 15' 40.64"W
213.43'
N12° 01' 15.00"W
203.58'
N01° 15' 46.00"W
739.83'
N01° 15' 46.00"W
379.80'
72.10'
377.38'
L=356.770, R=786.200
N51° 55' 21.46"W
85.40'
N88° 04' 37.54"E
450.00'
N88° 04' 37.54"E
2651.937
N88° 05' 20.86"E
2647.069
#4 rebar
131.61'
196.05'
S50° 15' 54.00"E
300.01'
100.00'
N60° 36' 46.57"E
100.00'
163.7'
195'
7
1
SOUTHGATE
ADDITION
2ND REPLAT
8075
8074
8078
7762
7763
7764
7765
7766
7767
7768
7769
7770
8077
8076
9023
9001
300
302
7750
7751
7752
7753
7754
7755
7756
7757
7758
7759
7760
8227
8222
8223
8224
8225
8226
8221
8230
8231
SDS S_ OF S_
PLS CWC
DRAWN
CHECKED CWC
APPROVED
CREW
OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION
SURVEY DATA SHEET
SWO 4933(1)
PROJECT NO. 27108(04)
SHEET NO. S10

8-87

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

REVISIONS	
DESCRIPTION	DATE



PLS	CWC	
DRAWN	—	
CHECKED	CWC	
APPROVED		
CREW		

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

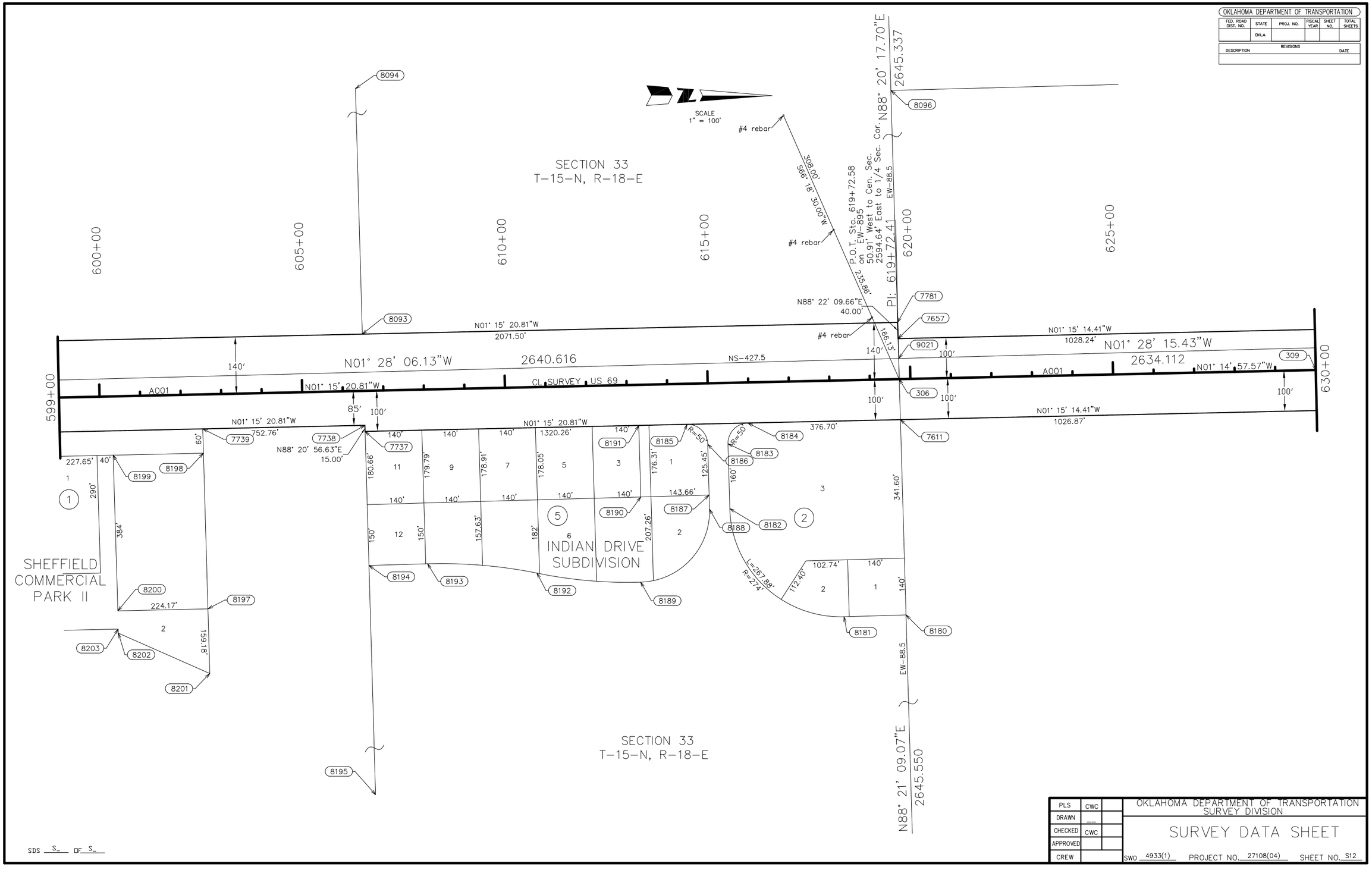
SURVEY DATA SHEET

SWO 4933(1) PROJECT NO. 27108(04) SHEET NO. S11

8-87

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

REVISIONS	
DESCRIPTION	DATE



PLS	CWC	
DRAWN	__	
CHECKED	CWC	
APPROVED		
CREW		

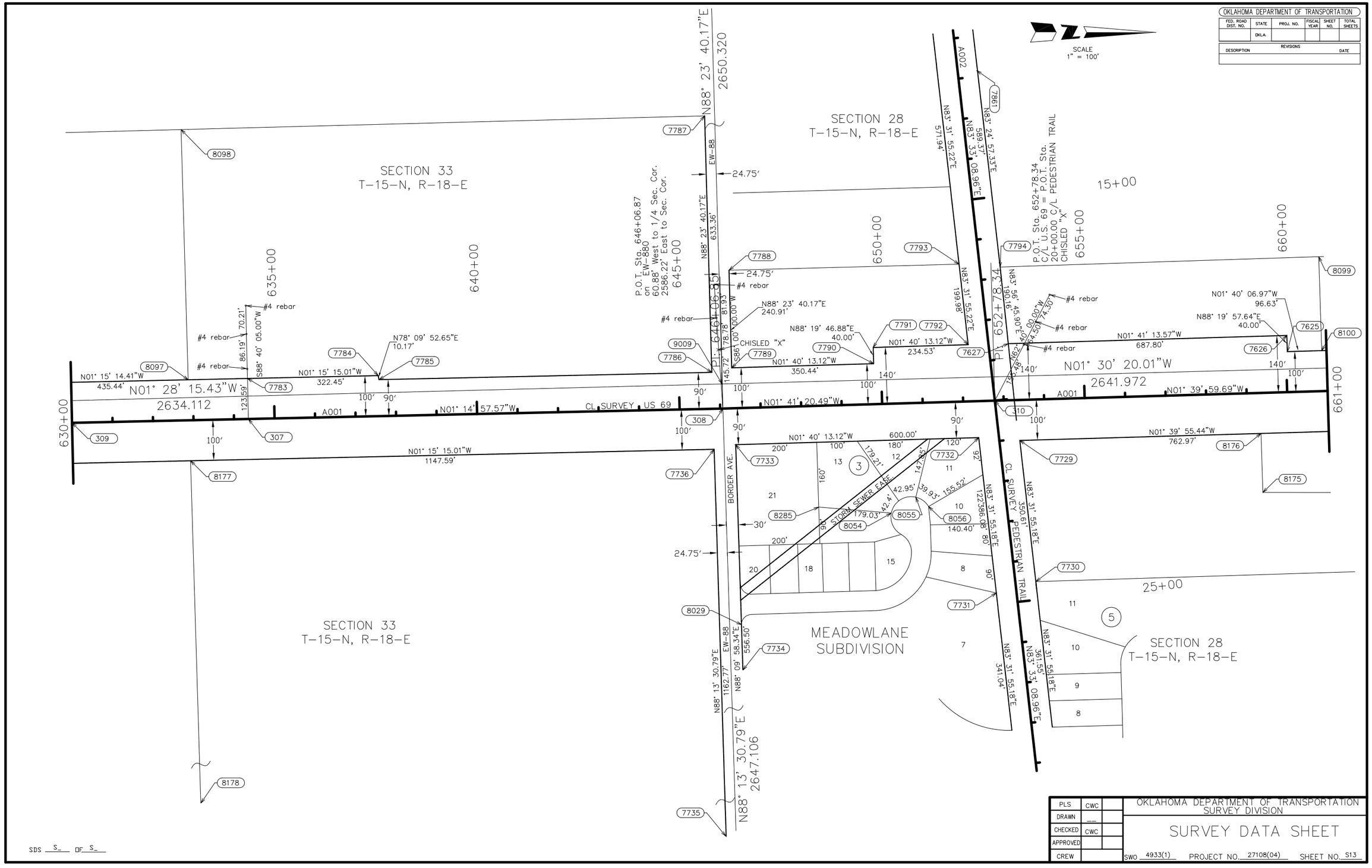
OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

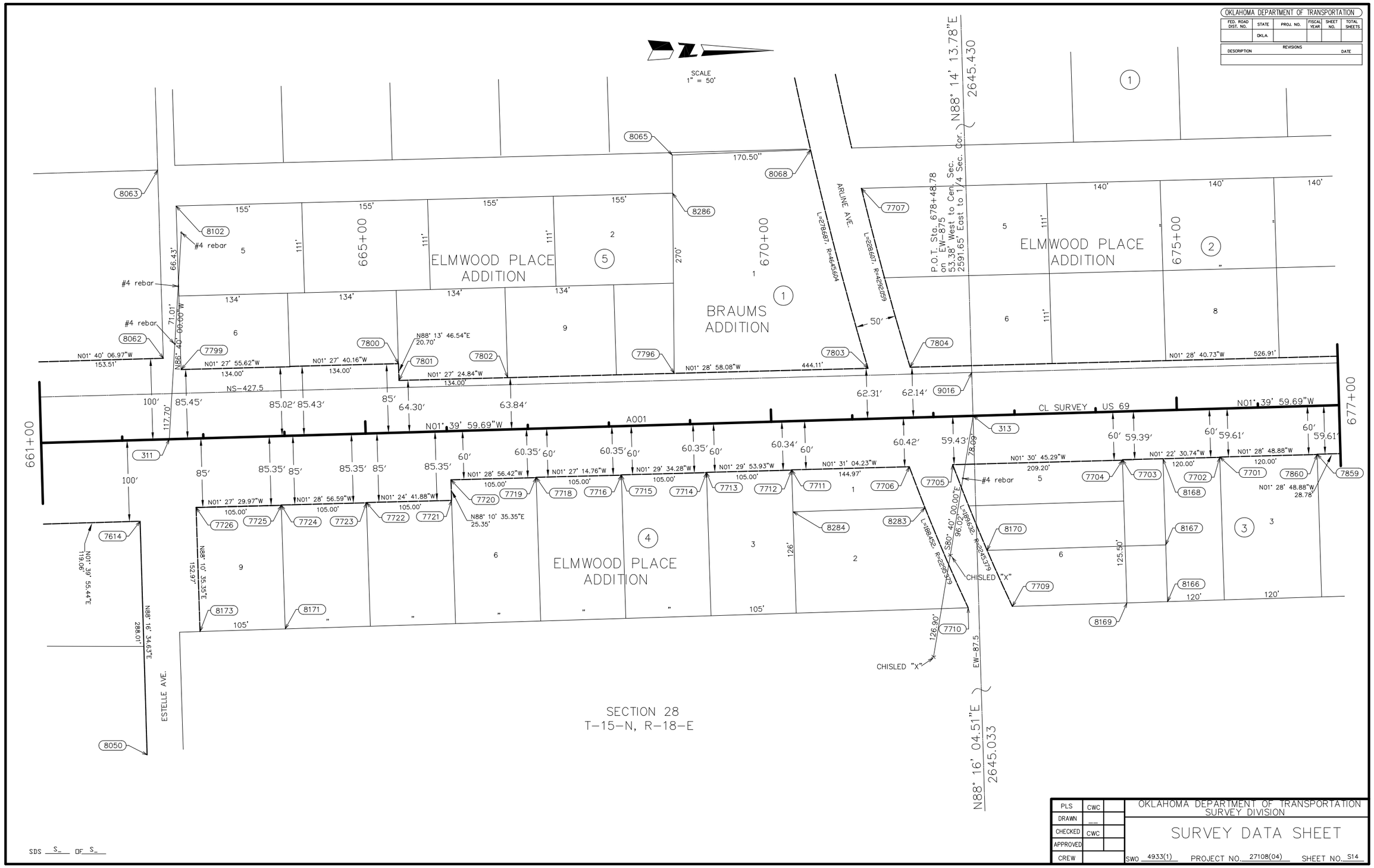
SWO 4933(1) PROJECT NO. 27108(04) SHEET NO. S12

SDS S OF S

8-87


OKLAHOMA DEPARTMENT OF TRANSPORTATION
FED. ROAD DIST. NO.
STATE
PROJ. NO.
FISCAL YEAR
SHEET NO.
TOTAL SHEETS
OKLA.
REVISIONS
DESCRIPTION
DATE
SCALE 1" = 100'
SECTION 33
T-15-N, R-18-E
SECTION 28
T-15-N, R-18-E
MEADOWLANE SUBDIVISION
N88° 23' 40.17"E 2650.320
N88° 13' 30.79"E 2647.106
N01° 28' 15.43"W
2634.112
N01° 30' 20.01"W
2641.972
N01° 15' 15.01"W
1147.59'
N01° 41' 20.49"W
N01° 14' 57.57"W
N01° 39' 59.69"W
N01° 39' 55.44"W
762.97'
N01° 41' 13.57"W
687.80'
N01° 40' 13.12"W
350.44'
N01° 40' 13.12"W
600.00'
N88° 23' 40.17"E
240.91'
N88° 19' 46.88"E
40.00'
N88° 19' 57.64"E
40.00'
N01° 40' 06.97"W
96.63'
N78° 09' 52.65"E
10.17'
N01° 15' 15.01"W
322.45'
N01° 15' 14.41"W
435.44'
S88° 40' 05.00"W
N83° 31' 55.22"E
571.94'
N83° 33' 08.96"E
589.37'
N83° 24' 57.33"E
N83° 31' 55.22"E
199.98'
N83° 56' 45.90"E
1910.16'
N83° 31' 55.18"E
350.61'
N83° 31' 55.18"E
361.55'
N83° 31' 55.18"E
341.04'
N83° 31' 55.18"E
122386.08'
CL SURVEY US 69
CL SURVEY PEDESTRIAN TRAIL
P.O.T. Sta. 646+06.87 on EW-880 60.88' West to 1/4 Sec. Cor. 2586.22' East to Sec. Cor.
P.O.T. Sta. 652+78.34 C/L U.S. 69 = P.O.T. Sta. 20+00.00 C/L PEDESTRIAN TRAIL CHISLED "X"
PI 646+06.85
PI 652+78.34
CHISLED "X"
#4 rebar
BORDER AVE.
EW-88
9' STORM SEWER EASE.
24.75'
30'
90'
100'
140'
A001
A002
630+00
635+00
640+00
645+00
650+00
655+00
660+00
661+00
15+00
25+00
8098
8097
7783
7784
7785
7786
9009
7787
7788
7789
7790
7791
7792
7793
7794
7627
7861
8099
8100
7625
7626
309
307
308
310
8177
7736
7733
7732
7731
7730
7729
8176
8175
8285
8054
8055
8056
8029
7734
7735
8178
3
5
SDS S_ DF S_
PLS CWC
DRAWN
CHECKED CWC
APPROVED
CREW
OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION
SURVEY DATA SHEET
SWO 4933(1) PROJECT NO. 27108(04) SHEET NO. S13

8-87



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

REVISIONS	
DESCRIPTION	DATE

PLS	CWC	
DRAWN	__	
CHECKED	CWC	
APPROVED		
CREW		

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

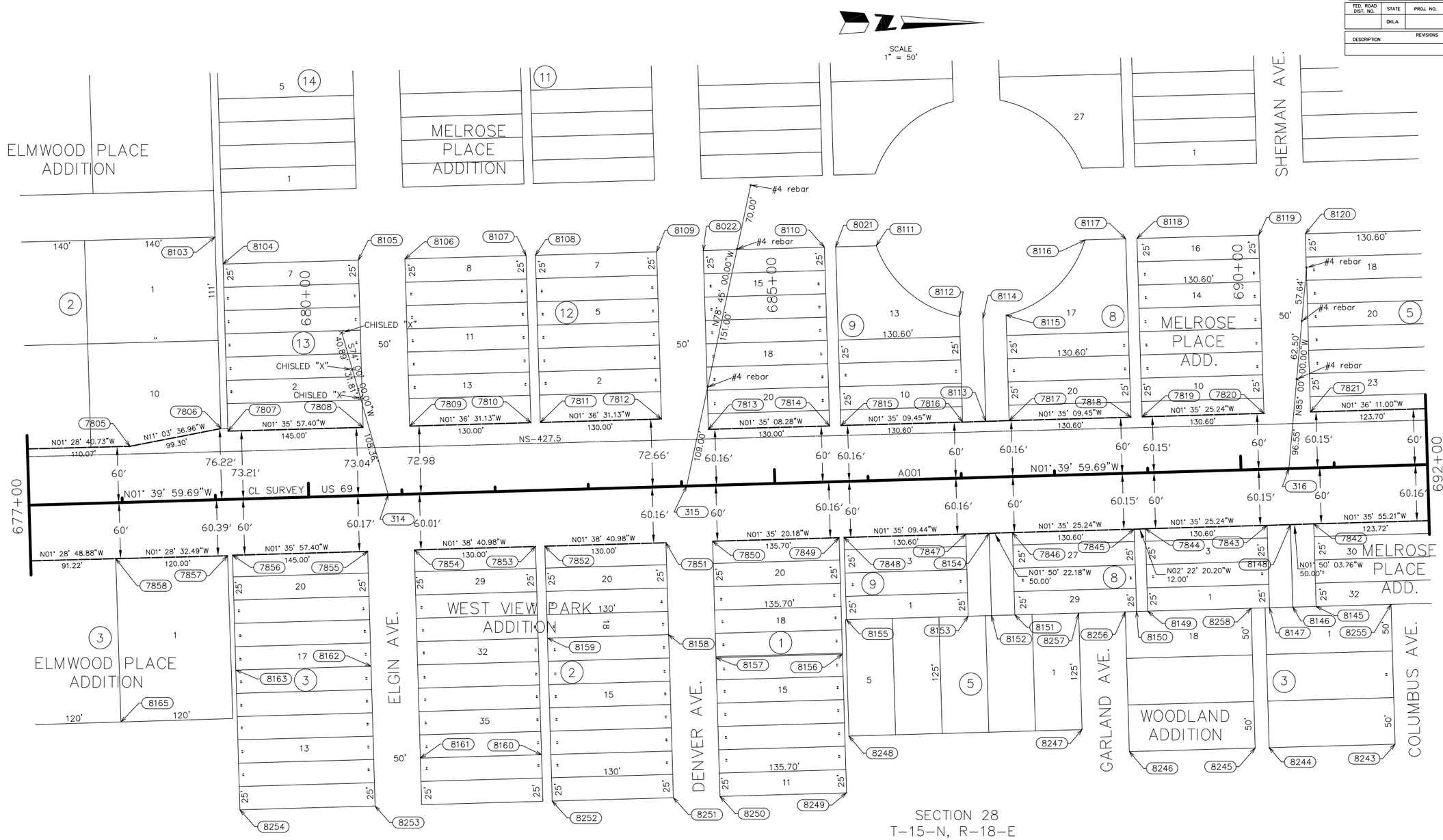
SURVEY DATA SHEET

SWO 4933(1) PROJECT NO. 27108(04) SHEET NO. S14

8-87

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

REVISIONS	
DESCRIPTION	DATE



PLS	CWC	
DRAWN	__	
CHECKED	CWC	
APPROVED		
CREW		

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

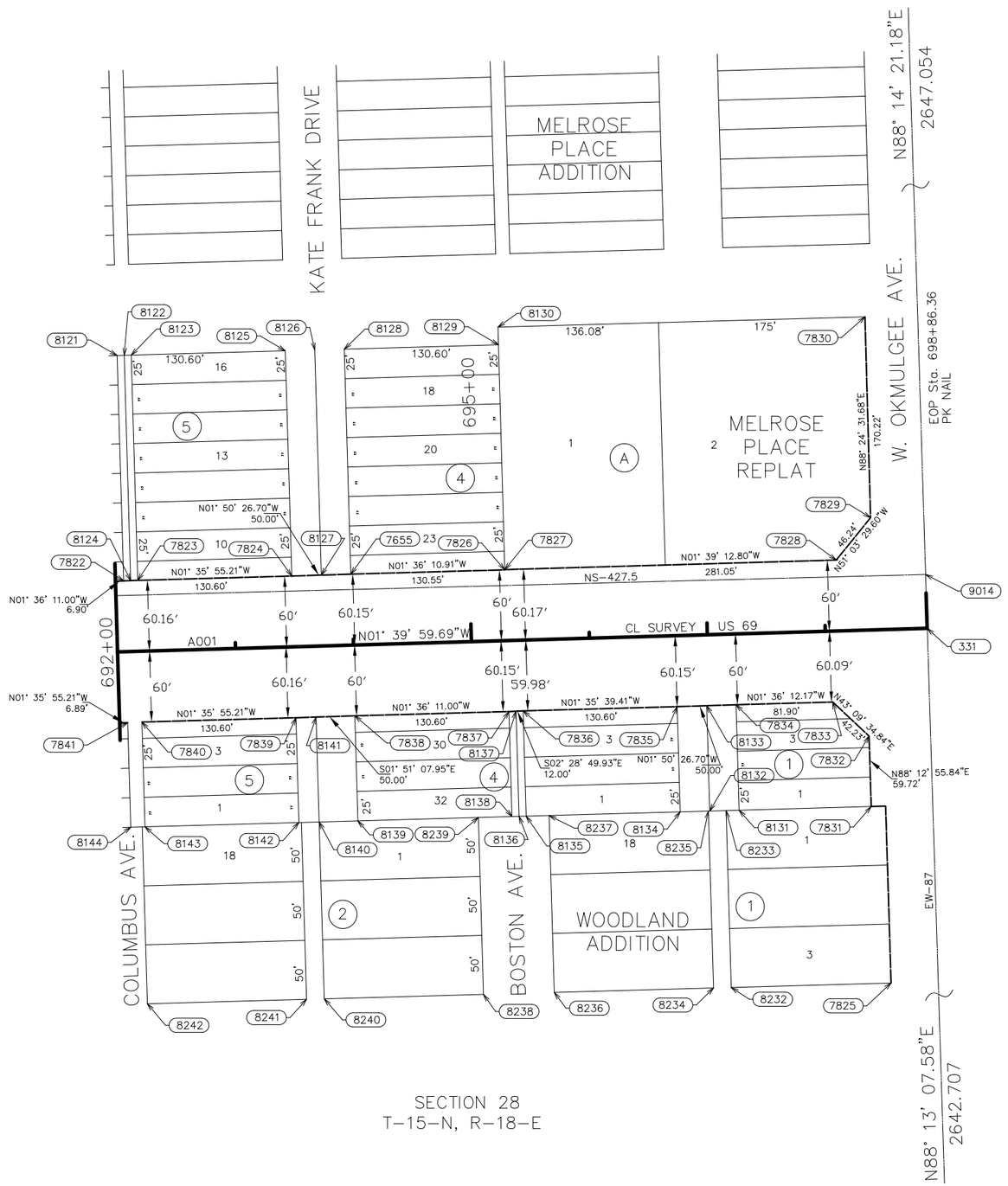
SWO 4933(1) PROJECT NO. 27108(04) SHEET NO. S15

SDS S_ OF S_

8-87

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

REVISIONS	
DESCRIPTION	DATE



SCALE
1" = 50'

SECTION 28
T-15-N, R-18-E

SDS S_ OF S_

PLS	CWC	
DRAWN	__	
CHECKED	CWC	
APPROVED		
CREW		

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

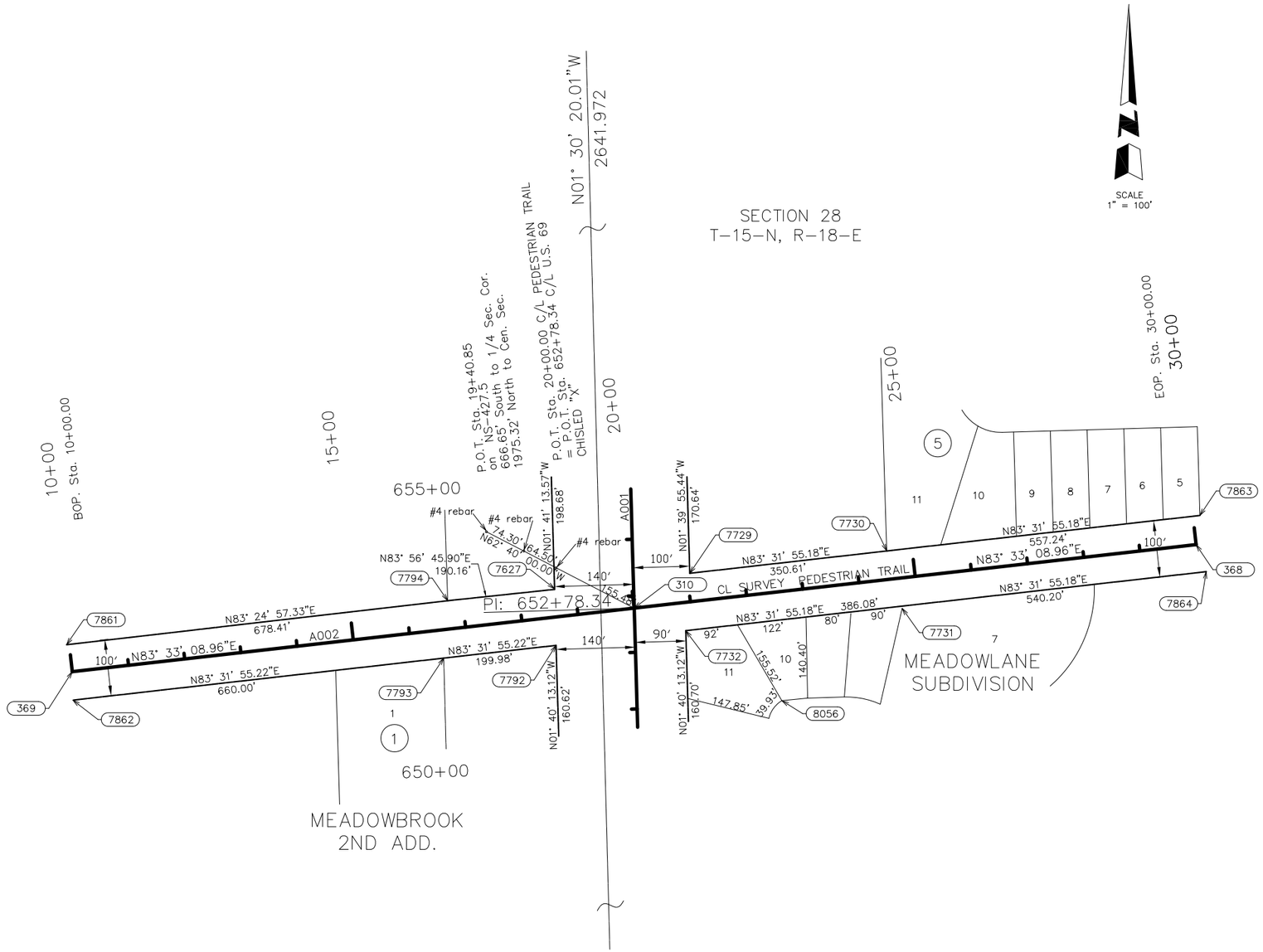
SURVEY DATA SHEET

SWO 4933(1) PROJECT NO. 27108(04) SHEET NO. S16

8-87

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

REVISIONS	
DESCRIPTION	DATE



SDS S_ OF S_

PLS	CWC	
DRAWN	__	
CHECKED	CWC	
APPROVED		
CREW		

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

SWO 4933(1) PROJECT NO. 27108(04) SHEET NO. S17

8-87

REVISIONS		
NO.	DESCRIPTION	DATE

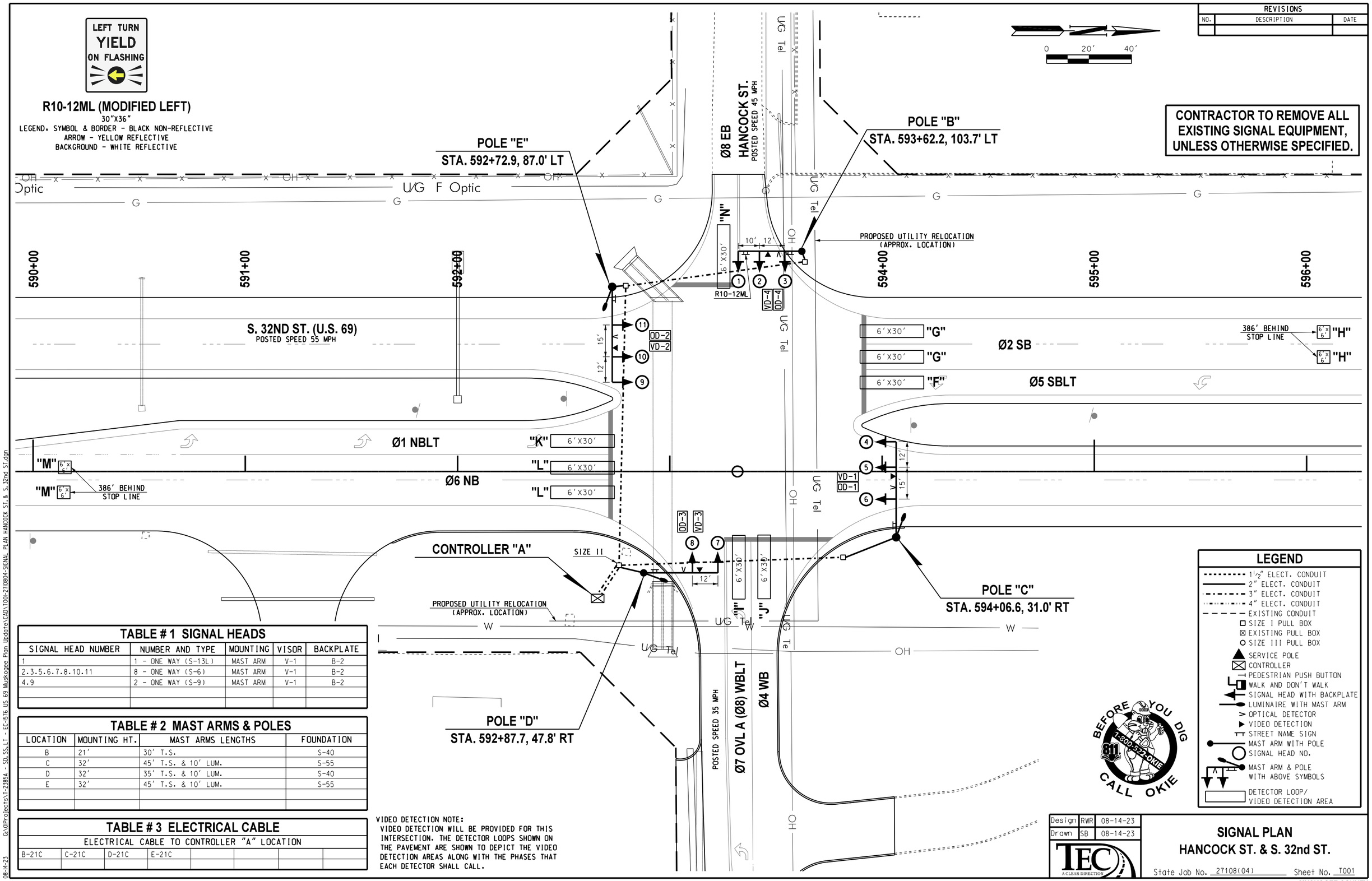


TABLE # 1 SIGNAL HEADS

SIGNAL HEAD NUMBER	NUMBER AND TYPE	MOUNTING	VISOR	BACKPLATE
1	1 - ONE WAY (S-13L)	MAST ARM	V-1	B-2
2.3.5.6.7.8.10.11	8 - ONE WAY (S-6)	MAST ARM	V-1	B-2
4.9	2 - ONE WAY (S-9)	MAST ARM	V-1	B-2

TABLE # 2 MAST ARMS & POLES

LOCATION	MOUNTING HT.	MAST ARMS LENGTHS	FOUNDATION
B	21'	30' T.S.	S-40
C	32'	45' T.S. & 10' LUM.	S-55
D	32'	35' T.S. & 10' LUM.	S-40
E	32'	45' T.S. & 10' LUM.	S-55

TABLE # 3 ELECTRICAL CABLE

ELECTRICAL CABLE TO CONTROLLER "A" LOCATION

B-21C	C-21C	D-21C	E-21C				

VIDEO DETECTION NOTE:
VIDEO DETECTION WILL BE PROVIDED FOR THIS INTERSECTION. THE DETECTOR LOOPS SHOWN ON THE PAVEMENT ARE SHOWN TO DEPICT THE VIDEO DETECTION AREAS ALONG WITH THE PHASES THAT EACH DETECTOR SHALL CALL.

Design	RWR	08-14-23
Drawn	SB	08-14-23

TEC
A CLEAR DIRECTION

SIGNAL PLAN
HANCOCK ST. & S. 32nd ST.

State Job No. 27108(04) Sheet No. T001

MUSKOGEE COUNTY

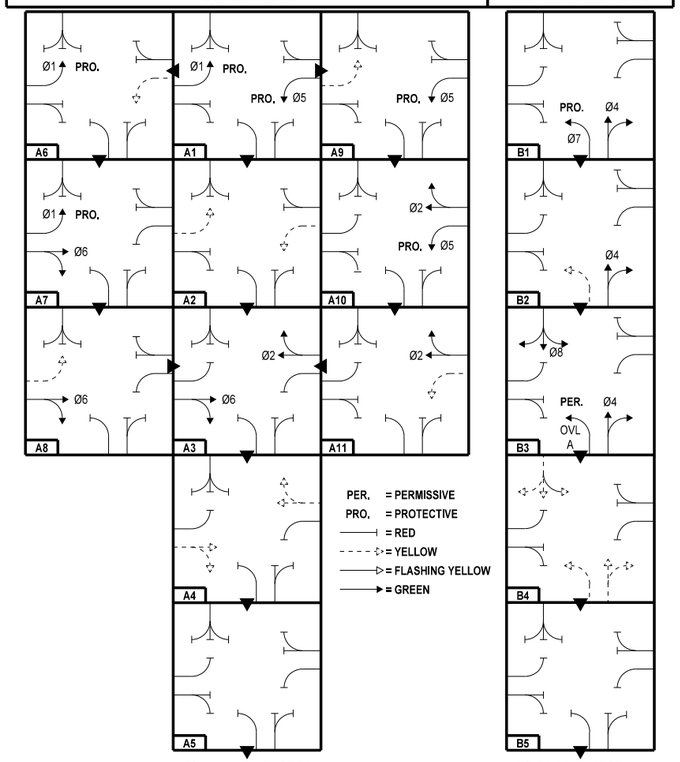
G:\OIProjects\T-2385A - SD,SS,LT - EC-1576 US 69 Muskogee Plan Update\CAD\T001-270804-SIGNAL PLAN HANCOCK ST.& S.32nd ST.dgn

08-14-23

REVISIONS		
NO.	DESCRIPTION	DATE

PHASING DIAGRAM

PHASE "A"	PHASE "B"
S. 32nd ST.	HANCOCK ST.

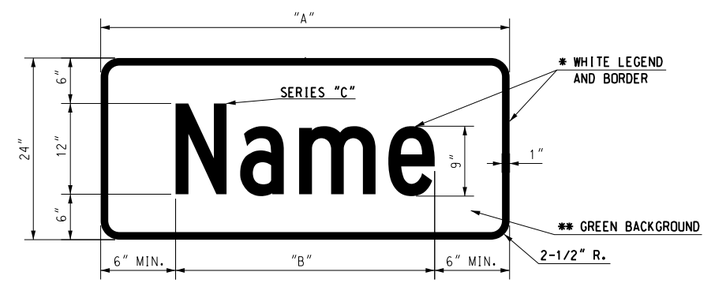


TO: A1, A7, A10, B1 OR B3

TO: B1, A1, A3, A7 OR A10

SEQUENCE CHART

DIRECTION	BLOCK NO.	PHASE						
		Ø7 OVL A	Ø4	Ø1	Ø6	Ø8	Ø5	Ø2
		SIGNAL HEAD NO.						
		1	2,3	4	5,6	7,8	9	10,11
Ø1, Ø5 ROW	A1	◄~~R~~	R	◄~~G~~	R	R	◄~~G~~	R
Ø1, Ø5 CL	A2	◄~~R~~	R	◄~~Y~~	R	R	◄~~Y~~	R
Ø2, Ø6 ROW	A3	◄~~R~~	R	◄~~R~~	G	R	◄~~R~~	G
Ø2, Ø6 CL	A4	◄~~R~~	R	◄~~R~~	Y	R	◄~~R~~	Y
ALL RED	A5	◄~~R~~	R	◄~~R~~	R	R	◄~~R~~	R
Ø1 ROW & Ø5 CL	A6	◄~~R~~	R	◄~~G~~	R	R	◄~~Y~~	R
Ø1, Ø6 ROW	A7	◄~~R~~	R	◄~~G~~	G	R	◄~~R~~	R
Ø6 ROW & Ø1 CL	A8	◄~~R~~	R	◄~~Y~~	G	R	◄~~R~~	R
Ø5 ROW & Ø1 CL	A9	◄~~R~~	R	◄~~Y~~	R	R	◄~~G~~	R
Ø2, Ø5 ROW	A10	◄~~R~~	R	◄~~R~~	R	R	◄~~G~~	G
Ø2 ROW & Ø5 CL	A11	◄~~R~~	R	◄~~R~~	R	R	◄~~Y~~	G
Ø4, Ø7 ROW	B1	◄~~G~~	G	◄~~R~~	R	R	◄~~R~~	R
Ø4 ROW & Ø7 CL	B2	◄~~Y~~	G	◄~~R~~	R	R	◄~~R~~	R
Ø4, Ø8, OVL A ROW	B3	◁F Y	G	◄~~R~~	R	G	◄~~R~~	R
Ø4, Ø8, OVLA CL	B4	◄~~Y~~	Y	◄~~R~~	R	Y	◄~~R~~	R
ALL RED	B5	◄~~R~~	R	◄~~R~~	R	R	◄~~R~~	R
FLASHING OPERATION	--	◄~~FR~~	FR	◄~~FR~~	FR	FR	◄~~FR~~	FR



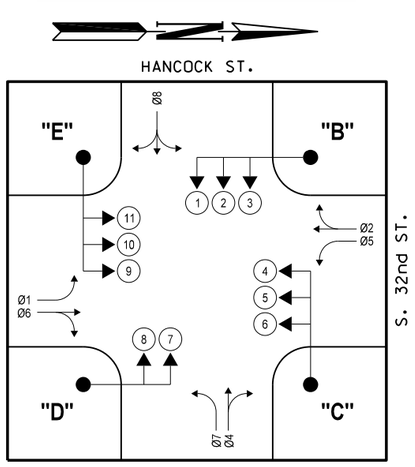
SUMMARY OF MAST ARM MOUNTED SIGNS

MESSAGE	POLE LOCATION	NO. OF SIGN	A (IN.)	HEIGHT (IN.)	B (IN.)	SIGN AREA (SQ.FT.)	TOTAL SIGN AREA (SQ.FT.)
Hancock St	C.E	2	84	24	72.1	14.00	28.00
S 32nd St	B.D	2	78	24	64.2	13.00	26.00
R10-12ML	B	1	30	36	--	7.50	7.50
						TOTAL	61.50

* - TYPE VIII VIP REFLECTIVE SHEETING SHALL BE USED

** - TYPE III VIP REFLECTIVE SHEETING SHALL BE USED

INTERSECTION PHASING & SIGNAL HEAD NO.'S



Design	RWR	08-14-23
Drawn	SB	08-14-23

TEC A CLEAR DIRECTION

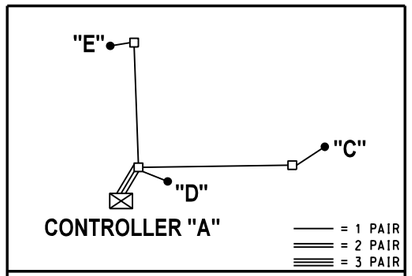
SIGNAL DETAIL
HANCOCK ST. & S. 32ND ST.

State Job No. 27108(04) Sheet No. T002

MUSKOGEE COUNTY

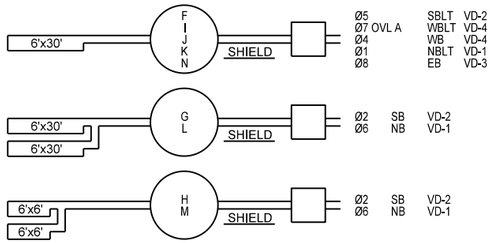
08-14-23 G:\DProjects\T-2385A - SD,SS,LT - EC-1576 US 69 Muskogee Plan Update\CAD\T002-27108D4-SIGNAL DETAIL HANCOCK ST.& S.32nd ST.dgn

REVISIONS		
NO.	DESCRIPTION	DATE

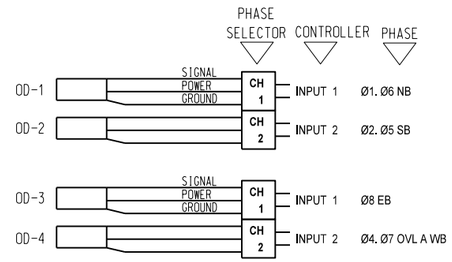


NOTE: STREET LIGHT WIRING

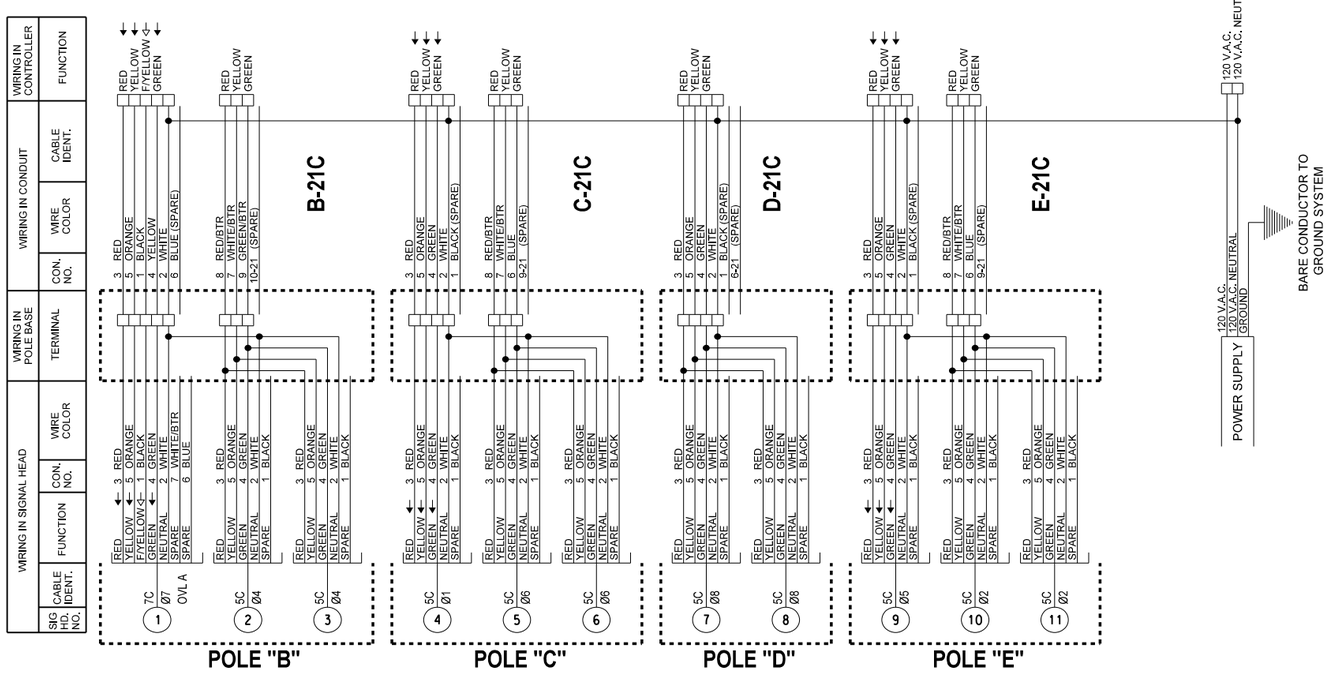
ONE PAIR EQUALS TWO CONDUCTORS (1/C-10AWG COPPER) ONE BLACK, ONE WHITE. CONDUCTORS SHALL BE SPLICED ONLY AT THE TERMINAL BLOCK AT EACH POLE BASE. A FUSE HOLDER SHALL BE PROVIDED IN THE HANDHOLE OF EACH COMBINATION TRAFFIC SIGNAL AND STREET LIGHT POLE. THE FUSE HOLDER SHALL BE INSTALLED IN THE LINE SIDE 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.



VIDEO DETECTION AREAS



PRE-EMPTOR DETAILS



NOTE:
IF JUMPERS OR OTHER CONNECTIONS ARE MADE IN THE FIELD DURING INSTALLATION, AND ARE ACCEPTED BY THE ENGINEER THIS SHOULD BE SHOWN ON THE WIRING DIAGRAM FOR FUTURE REFERENCE.

Design	RWR	08-14-23
Drawn	SB	08-14-23

TEC A CLEAR DIRECTION

SIGNAL WIRING DIAGRAM
HANCOCK ST. & S. 32ND ST.

State Job No. 27108(04) Sheet No. T003

MUSKOGEE COUNTY

08-14-23 G:\0Projects\T-2385A - SD,SS,LT - EC-1516 US 69 Muskogee Plan Update\CAD\T003-2710804-SIGNAL WIRING DIAGRAM HANCOCK ST.& S. 32nd ST.dgn

REVISIONS		
NO.	DESCRIPTION	DATE

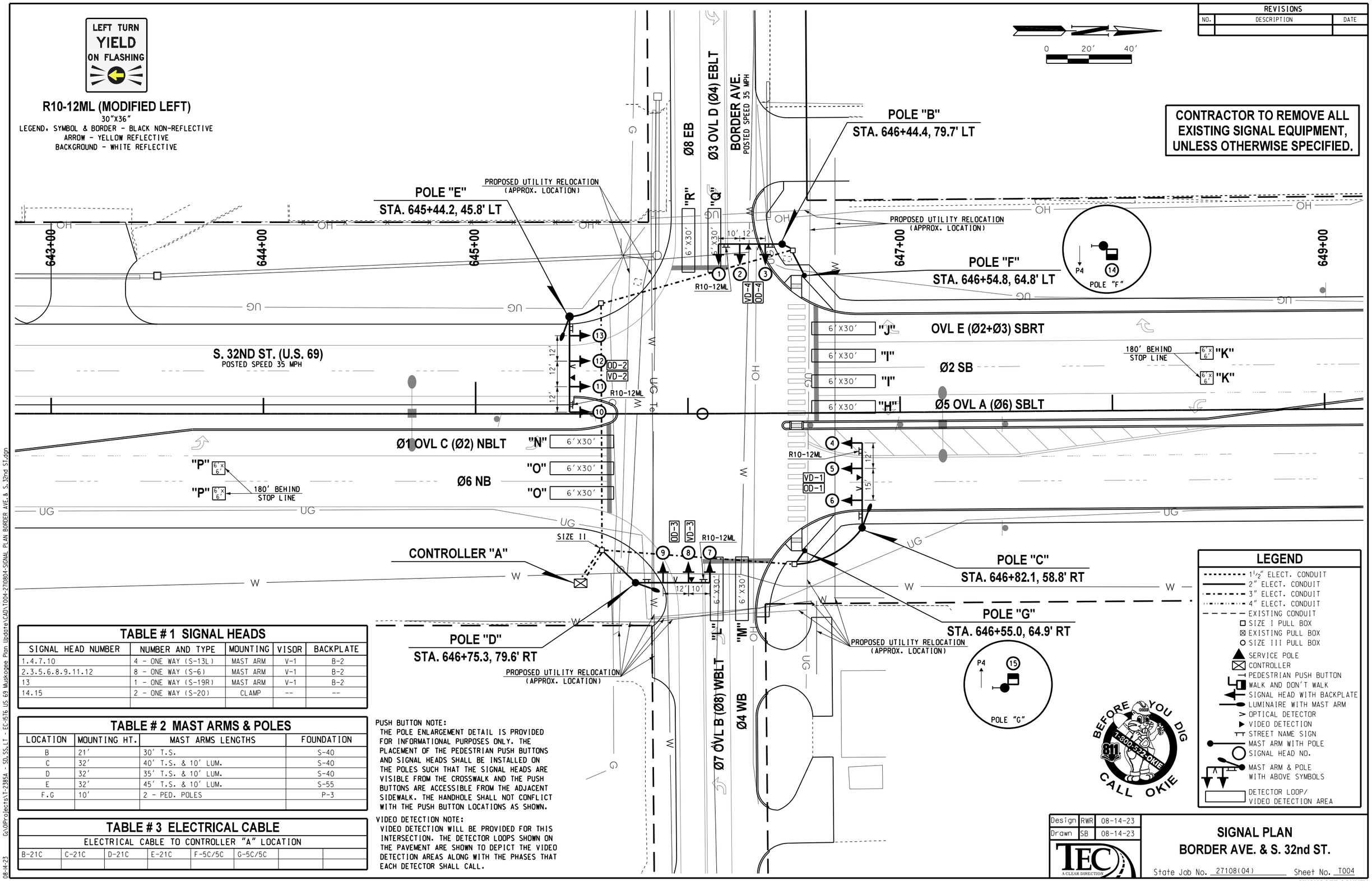


TABLE # 1 SIGNAL HEADS

SIGNAL HEAD NUMBER	NUMBER AND TYPE	MOUNTING	VISOR	BACKPLATE
1.4.7.10	4 - ONE WAY (S-13L)	MAST ARM	V-1	B-2
2.3.5.6.8.9.11.12	8 - ONE WAY (S-6)	MAST ARM	V-1	B-2
13	1 - ONE WAY (S-19R)	MAST ARM	V-1	B-2
14.15	2 - ONE WAY (S-20)	CLAMP	--	--

TABLE # 2 MAST ARMS & POLES

LOCATION	MOUNTING HT.	MAST ARMS LENGTHS	FOUNDATION
B	21'	30' T.S.	S-40
C	32'	40' T.S. & 10' LUM.	S-40
D	32'	35' T.S. & 10' LUM.	S-40
E	32'	45' T.S. & 10' LUM.	S-55
F.G	10'	2 - PED. POLES	P-3

TABLE # 3 ELECTRICAL CABLE

ELECTRICAL CABLE TO CONTROLLER "A" LOCATION

B-21C	C-21C	D-21C	E-21C	F-5C/5C	G-5C/5C		

PUSH BUTTON NOTE:
THE POLE ENLARGEMENT DETAIL IS PROVIDED FOR INFORMATIONAL PURPOSES ONLY. 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 CROSSWALK AND THE PUSH BUTTONS ARE ACCESSIBLE FROM THE ADJACENT SIDEWALK. THE HANDHOLE SHALL NOT CONFLICT WITH THE PUSH BUTTON LOCATIONS AS SHOWN.

VIDEO DETECTION NOTE:
VIDEO DETECTION WILL BE PROVIDED FOR THIS INTERSECTION. THE DETECTOR LOOPS SHOWN ON THE PAVEMENT ARE SHOWN TO DEPICT THE VIDEO DETECTION AREAS ALONG WITH THE PHASES THAT EACH DETECTOR SHALL CALL.

Design	RWR	08-14-23
Drawn	SB	08-14-23

TEC A CLEAR DIRECTION

SIGNAL PLAN
BORDER AVE. & S. 32nd ST.

State Job No. 27108(04) Sheet No. T004

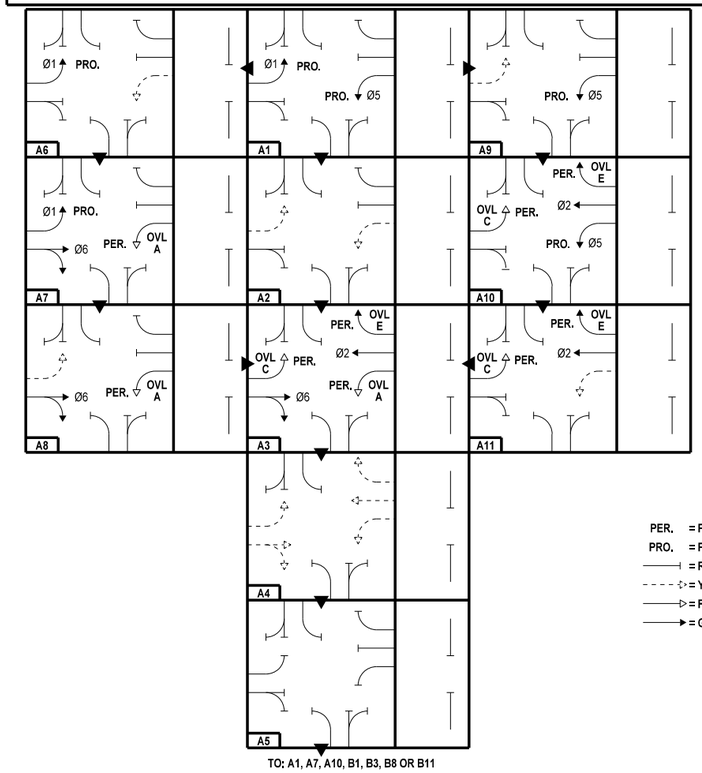
MUSKOGEE COUNTY

08-14-23 G:\OKProjects\1-2385A - SD,SS,LT - EC-1576 US 69 Muskogee Plan Update\CAD\T004-2710804-SIGNAL PLAN BORDER AVE.& S.32nd ST.dgn

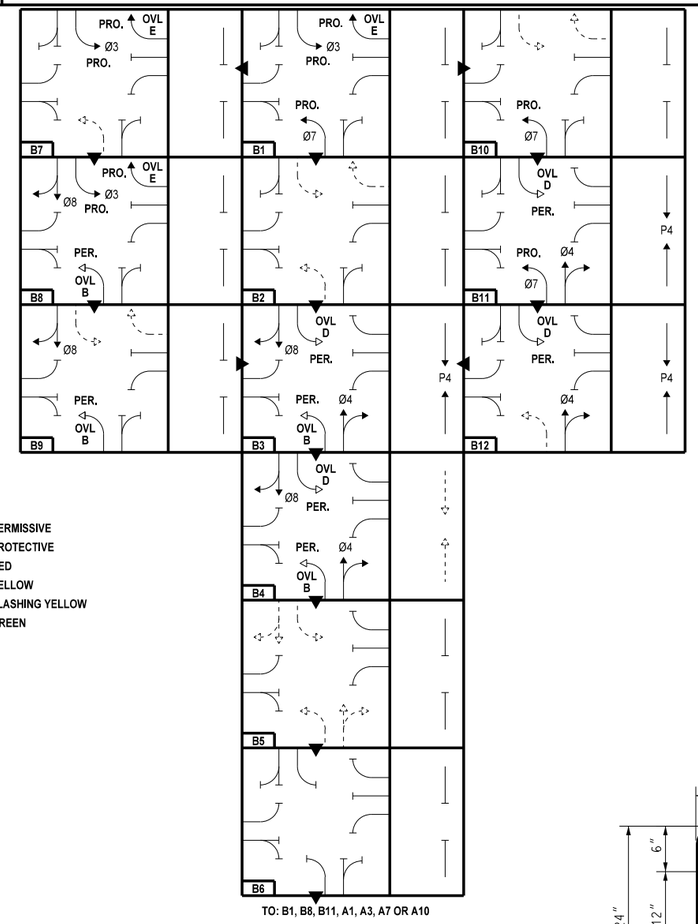
REVISIONS		
NO.	DESCRIPTION	DATE

PHASING DIAGRAM

PHASE "A" — S. 32nd ST.



PHASE "B" — BORDER AVE.

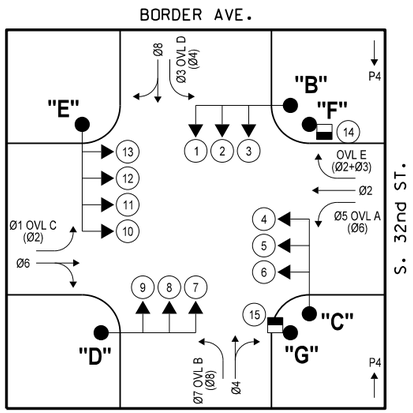


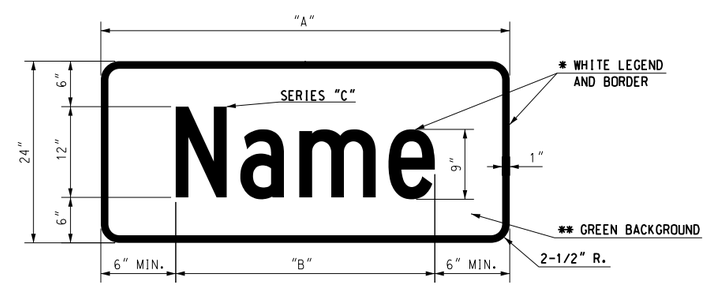
PER. = PERMISSIVE
PRO. = PROTECTIVE
= RED
= YELLOW
= FLASHING YELLOW
= GREEN

SEQUENCE CHART

DIRECTION	BLOCK NO.	PHASE: Ø7 OVL B	Ø4	Ø1 OVL C	Ø6	Ø3 OVL D	Ø8	Ø5 OVL A	Ø2	OVL E	P4
		SIGNAL HEAD NO. 1	2,3	4	5,6	7	8,9	10	11,12	13	14,15
Ø1, Ø5 ROW	A1	◄R	R	◄G	R	◄R	R	◄G	R	R	DW
Ø1, Ø5 CL	A2	◄R	R	◄Y	R	◄R	R	◄Y	R	R	DW
Ø2, Ø6, OVL A, OVL C, OVL E ROW	A3	◄R	R	◁F Y	G	◄R	R	◁F Y	G	G	DW
Ø2, Ø6, OVL A, OVL C, OVL E CL	A4	◄R	R	◄Y	Y	◄R	R	◄Y	Y	Y	DW
ALL RED	A5	◄R	R	◄R	R	◄R	R	◄R	R	R	DW
Ø1 ROW & Ø5 CL	A6	◄R	R	◄G	R	◄R	R	◄Y	R	R	DW
Ø1, Ø6, OVL A ROW	A7	◄R	R	◄G	G	◄R	R	◁F Y	R	R	DW
Ø6, OVL A ROW & Ø1 CL	A8	◄R	R	◄Y	G	◄R	R	◁F Y	R	R	DW
Ø5 ROW & Ø1 CL	A9	◄R	R	◄Y	R	◄R	R	◄G	R	R	DW
Ø2, Ø5, OVL C, OVL E ROW	A10	◄R	R	◁F Y	R	◄R	R	◄G	G	G	DW
Ø2, OVL C, OVL E ROW & Ø5 CL	A11	◄R	R	◁F Y	R	◄R	R	◄Y	G	G	DW
Ø3, Ø7, OVL E ROW	B1	◄G	R	◄R	R	◄G	R	◄R	R	R / G	DW
Ø3, Ø7, OVL E CL	B2	◄Y	R	◄R	R	◄Y	R	◄R	R	R / Y	DW
Ø4, Ø8, OVL B, OVL D, P4 ROW	B3	◁F Y	G	◄R	R	◁F Y	G	◄R	R	R	W
Ø4, Ø8, OVL B, OVL D ROW & P4 CL	B4	◁F Y	G	◄R	R	◁F Y	G	◄R	R	R	FDW
Ø4, Ø8, OVL B, OVL D CL	B5	◄Y	Y	◄R	R	◄Y	Y	◄R	R	R	DW
ALL RED	B6	◄R	R	◄R	R	◄R	R	◄R	R	R	DW
Ø3, OVLE ROW & Ø7 CL	B7	◄Y	R	◄R	R	◄G	R	◄R	R	R / G	DW
Ø3, Ø8, OVL B, OVL E, P8 ROW	B8	◁F Y	R	◄R	R	◄G	G	◄R	R	R / G	DW
Ø8, OVL B, P8 ROW & Ø3, OVL E CL	B9	◁F Y	R	◄R	R	◄Y	G	◄R	R	R / Y	DW
Ø7 ROW & Ø3, OVL E CL	B10	◄G	R	◄R	R	◄Y	R	◄R	R	R / Y	DW
Ø4, Ø7, OVL D, P4 ROW	B11	◄G	G	◄R	R	◁F Y	R	◄R	R	R	W
Ø4, OVL D, P4 ROW & Ø7 CL	B12	◄Y	G	◄R	R	◁F Y	R	◄R	R	R	W
FLASHING OPERATION	–	◄FR	FR	◄FR	FR	◄FR	FR	◄FR	FR	FR	–

INTERSECTION PHASING & SIGNAL HEAD NO.'S





SUMMARY OF MAST ARM MOUNTED SIGNS

MESSAGE	POLE LOCATION	NO. OF SIGN	A (IN.)	HEIGHT (IN.)	B (IN.)	SIGN AREA (SQ.FT.)	TOTAL SIGN AREA (SQ.FT.)
Border Ave	C.E	2	84	24	70.5	14.00	28.00
S 32nd St	B.D	2	78	24	64.2	13.00	26.00
R10-12ML	B.C.D.E	4	30	36	--	7.50	30.00
						TOTAL	84.00

* - TYPE VIII VIP REFLECTIVE SHEETING SHALL BE USED
** - TYPE III VIP REFLECTIVE SHEETING SHALL BE USED

Design	RWR	08-14-23
Drawn	SB	08-14-23

TEC A CLEAR DIRECTION

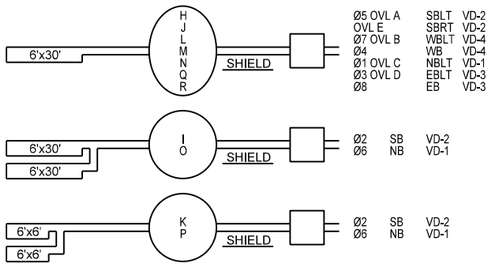
SIGNAL DETAIL
BORDER AVE. & S. 32nd ST.

State Job No. 21708(04) Sheet No. T005

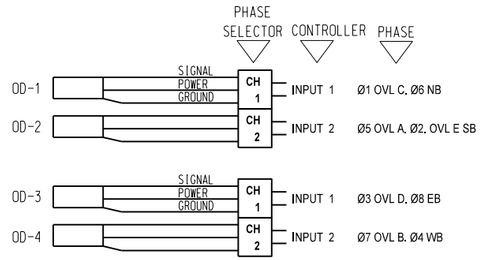
MUSKOGEE COUNTY

08-14-23 G:\OIProjects\T-2385A - SD,SS,LT - EC-B76 US 69 Muskogee Plan Update\CAD\T005-210804-SIGNAL DETAIL BORDER AVE. & S. 32nd ST.dgn

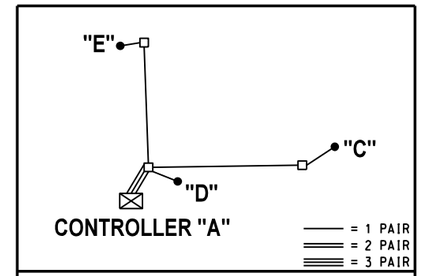
REVISIONS		
NO.	DESCRIPTION	DATE



VIDEO DETECTION AREAS

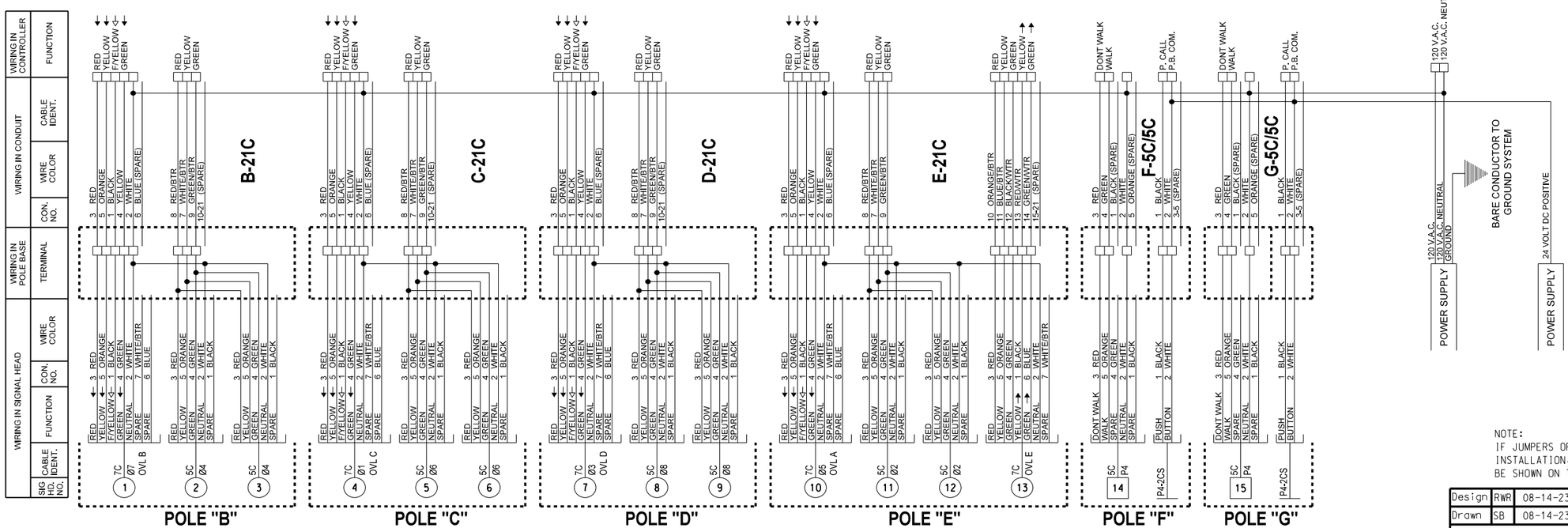


PRE-EMPTOR DETAILS



NOTE: STREET LIGHT 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.



NOTE:
IF JUMPERS OR OTHER CONNECTIONS ARE MADE IN THE FIELD DURING INSTALLATION, AND ARE ACCEPTED BY THE ENGINEER THIS SHOULD BE SHOWN ON THE WIRING DIAGRAM FOR FUTURE REFERENCE.

Design	RWR	08-14-23
Drawn	SB	08-14-23

TEC A CLEAR DIRECTION

SIGNAL WIRING DIAGRAM
BORDER AVE. & S. 32nd ST.

State Job No. 21708(04) Sheet No. T006

MUSKOGEE COUNTY

08-14-23 G:\0Projects\T-2385A - SD,SS,LT - EC-1516 US 69 Muskogee Plan Update\CAD\T006-2708804-SIGNAL WIRING DIAGRAM BORDER AVE. & S. 32nd ST.dgn

REVISIONS		
NO.	DESCRIPTION	DATE

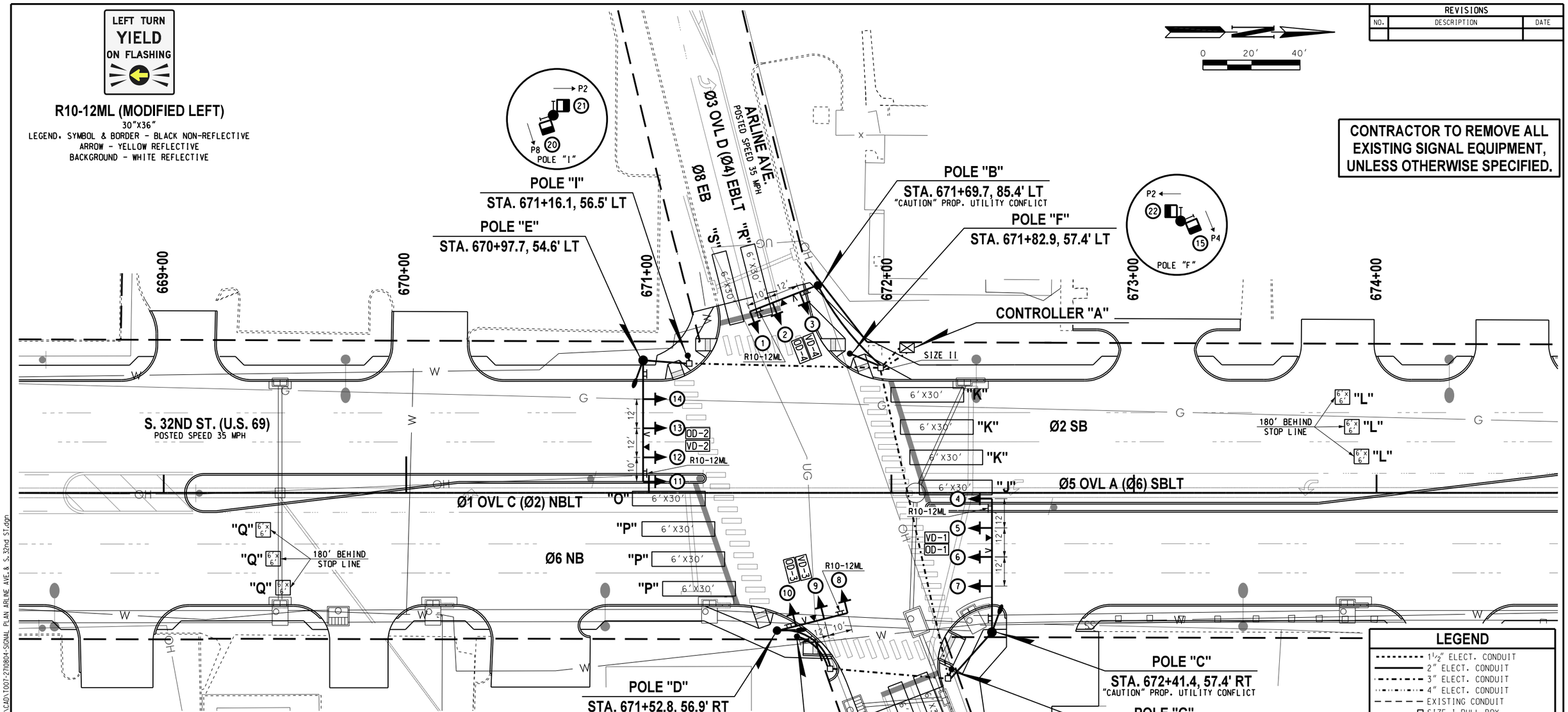


TABLE # 1 SIGNAL HEADS

SIGNAL HEAD NUMBER	NUMBER AND TYPE	MOUNTING	VISOR	BACKPLATE
1.4.8.11	4 - ONE WAY (S-13L)	MAST ARM	V-1	B-2
2.3.5.6.T.9.10.12.13.14	10 - ONE WAY (S-6)	MAST ARM	V-1	B-2
15-22	8 - ONE WAY (S-20)	CLAMP	--	--

TABLE # 2 MAST ARMS & POLES

LOCATION	MOUNTING HT.	MAST ARMS LENGTHS	FOUNDATION
B	21'	30' T.S.	S-40
C	32'	55' T.S. & 10' LUM.	S-55
D	32'	30' T.S. & 10' LUM.	S-40
E	32'	50' T.S. & 10' LUM.	S-55
F.G.H.I	10'	4 - PED. POLES	P-3

TABLE # 3 ELECTRICAL CABLE

ELECTRICAL CABLE TO CONTROLLER "A" LOCATION

B-21C	C-21C	D-21C/5C	E-21C	F-7C/5C	G-7C/5C	H-5C/5C	I-7C/5C

PUSH BUTTON NOTE:
THE POLE ENLARGEMENT DETAIL IS PROVIDED FOR INFORMATIONAL PURPOSES ONLY. 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 CROSSWALK AND THE PUSH BUTTONS ARE ACCESSIBLE FROM THE ADJACENT SIDEWALK. THE HANDHOLE SHALL NOT CONFLICT WITH THE PUSH BUTTON LOCATIONS AS SHOWN.

VIDEO DETECTION NOTE:
VIDEO DETECTION WILL BE PROVIDED FOR THIS INTERSECTION. THE DETECTOR LOOPS SHOWN ON THE PAVEMENT ARE SHOWN TO DEPICT THE VIDEO DETECTION AREAS ALONG WITH THE PHASES THAT EACH DETECTOR SHALL CALL.

LEGEND

- 1½" ELECT. CONDUIT
- 2" ELECT. CONDUIT
- 3" ELECT. CONDUIT
- 4" ELECT. CONDUIT
- EXISTING CONDUIT
- SIZE I PULL BOX
- EXISTING PULL BOX
- SIZE III PULL BOX
- SERVICE POLE
- CONTROLLER
- PEDESTRIAN PUSH BUTTON
- WALK AND DON'T WALK
- SIGNAL HEAD WITH BACKPLATE
- LUMINAIRE WITH MAST ARM
- OPTICAL DETECTOR
- VIDEO DETECTION
- STREET NAME SIGN
- MAST ARM WITH POLE
- SIGNAL HEAD NO.
- MAST ARM & POLE WITH ABOVE SYMBOLS
- DETECTOR LOOP/ VIDEO DETECTION AREA

Design	RWR	08-14-23
Drawn	SB	08-14-23

TEC A CLEAR DIRECTION

SIGNAL PLAN
ARLINE AVE. & S. 32nd ST.

State Job No. 27108(04) Sheet No. T007

MUSKOGEE COUNTY

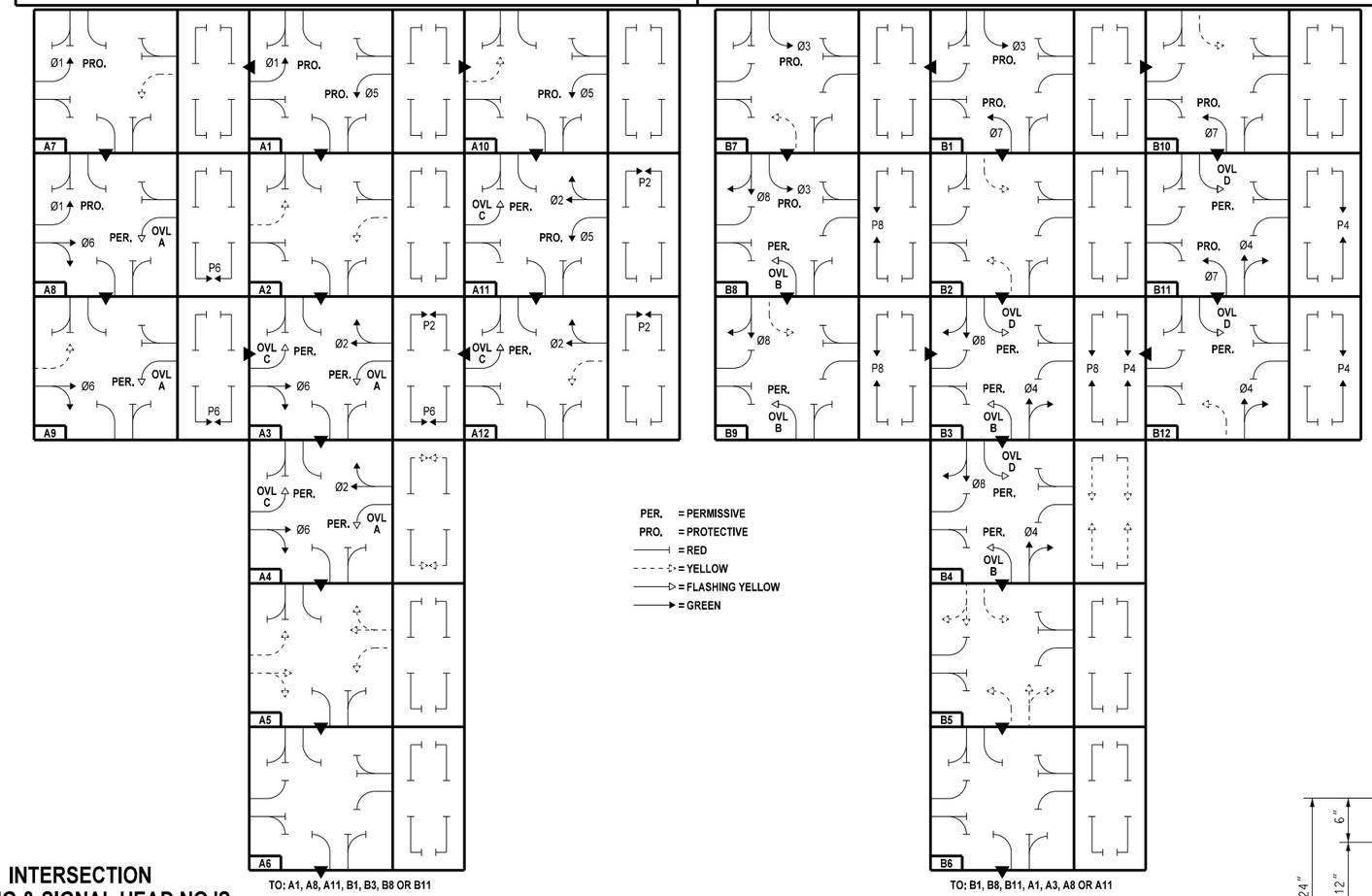
G:\OIProjects\T-2385A - SD,SS,LT - EC-1576 US 69 Muskogee Plan Update\CAD\T007-270804-SIGNAL PLAN ARLINE AVE.& S.32nd ST.dgn

08-14-23

REVISIONS		
NO.	DESCRIPTION	DATE

PHASING DIAGRAM

PHASE "A"	PHASE "B"
S. 32nd ST.	ARLINE AVE.



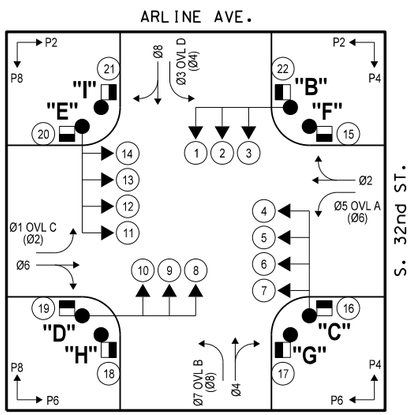
TO: A1, A8, A11, B1, B3, B8 OR B11

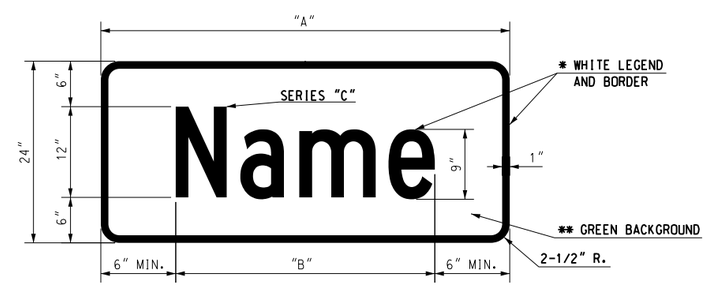
TO: B1, B8, B11, A1, A3, A8 OR A11

SEQUENCE CHART

DIRECTION	BLOCK NO.	PHASE											
		Ø7 OVL B	Ø4	Ø1 OVL C	Ø6	Ø3 OVL D	Ø8	Ø5 OVL A	Ø2	P4	P6	P8	P2
		SIGNAL HEAD NO.											
		1	2,3	4	5,6	7	8,9	10	11,12	13,14	15,16	17,18	19,20
Ø1, Ø5 ROW	A1	◄R	R	◄G	R	◄R	R	◄G	R	DW	DW	DW	DW
Ø1, Ø5 CL	A2	◄R	R	◄Y	R	◄R	R	◄Y	R	DW	DW	DW	DW
Ø2, Ø6, OVL A, OVL C, P2, P6 ROW	A3	◄R	R	◁F/Y	G	◄R	R	◁F/Y	G	DW	W	DW	W
Ø2, Ø6, OVL A, OVL C ROW & P2, P6 CL	A4	◄R	R	◁F/Y	G	◄R	R	◁F/Y	G	DW	FDW	DW	FDW
Ø2, Ø6, OVL A, OVL C CL	A5	◄R	R	◄Y	Y	◄R	R	◄Y	Y	DW	DW	DW	DW
ALL RED	A6	◄R	R	◄R	R	◄R	R	◄R	R	DW	DW	DW	DW
Ø1 ROW & Ø5 CL	A7	◄R	R	◄G	R	◄R	R	◄Y	R	DW	DW	DW	DW
Ø1, Ø6, OVL A, P6 ROW	A8	◄R	R	◄G	G	◄R	R	◁F/Y	R	DW	W	DW	DW
Ø6, OVL A, P6 ROW & Ø1 CL	A9	◄R	R	◄Y	G	◄R	R	◁F/Y	R	DW	W	DW	DW
Ø5 ROW & Ø1 CL	A10	◄R	R	◄Y	R	◄R	R	◄G	R	DW	DW	DW	DW
Ø2, Ø5, OVL C, P2 ROW	A11	◄R	R	◁F/Y	R	◄R	R	◄G	G	DW	DW	DW	W
Ø2, OVL C, P2 ROW & Ø5 CL	A12	◄R	R	◁F/Y	R	◄R	R	◄Y	G	DW	DW	DW	W
Ø3, Ø7 ROW	B1	◄G	R	◄R	R	◄G	R	◄R	R	DW	DW	DW	DW
Ø3, Ø7 CL	B2	◄Y	R	◄R	R	◄Y	R	◄R	R	DW	DW	DW	DW
Ø4, Ø8, OVL B, OVL D, P4, P8 ROW	B3	◁F/Y	G	◄R	R	◁F/Y	G	◄R	R	W	DW	W	DW
Ø4, Ø8, OVL B, OVL D ROW & P4, P8 CL	B4	◁F/Y	G	◄R	R	◁F/Y	G	◄R	R	FDW	DW	FDW	DW
Ø4, Ø8, OVL B, OVL D CL	B5	◄Y	Y	◄R	R	◄Y	Y	◄R	R	DW	DW	DW	DW
ALL RED	B6	◄R	R	◄R	R	◄R	R	◄R	R	DW	DW	DW	DW
Ø3 ROW & Ø7 CL	B7	◄Y	R	◄R	R	◄G	R	◄R	R	DW	DW	DW	DW
Ø3, Ø8, OVL B, P8 ROW	B8	◁F/Y	R	◄R	R	◄G	G	◄R	R	DW	DW	W	DW
Ø8, OVL B, P8 ROW & Ø3 CL	B9	◁F/Y	R	◄R	R	◄Y	G	◄R	R	DW	DW	W	DW
Ø7 ROW & Ø3 CL	B10	◄G	R	◄R	R	◄Y	R	◄R	R	DW	DW	DW	DW
Ø4, Ø7, OVL D, P4 ROW	B11	◄G	G	◄R	R	◁F/Y	R	◄R	R	W	DW	DW	DW
Ø4, OVL D, P4 ROW & Ø7 CL	B12	◄Y	G	◄R	R	◁F/Y	R	◄R	R	W	DW	DW	DW
FLASHING OPERATION	--	◄FR	FR	◄FR	FR	◄FR	FR	◄FR	FR	--	--	--	--

INTERSECTION PHASING & SIGNAL HEAD NO.'S





SUMMARY OF MAST ARM MOUNTED SIGNS

MESSAGE	POLE LOCATION	NO. OF SIGN	A (IN.)	HEIGHT (IN.)	B (IN.)	SIGN AREA (SQ.FT.)	TOTAL SIGN AREA (SQ.FT.)
Arline Ave	C.E	2	78	24	65.9	13.00	26.00
S 32nd St	B.D	2	78	24	64.2	13.00	26.00
R10-12ML	B.C.D.E	4	30	36	--	7.50	30.00
						TOTAL	82.00

* - TYPE VIII VIP REFLECTIVE SHEETING SHALL BE USED

** - TYPE III VIP REFLECTIVE SHEETING SHALL BE USED

Design	RWR	08-14-23
Drawn	SB	08-14-23

TEC A CLEAR DIRECTION

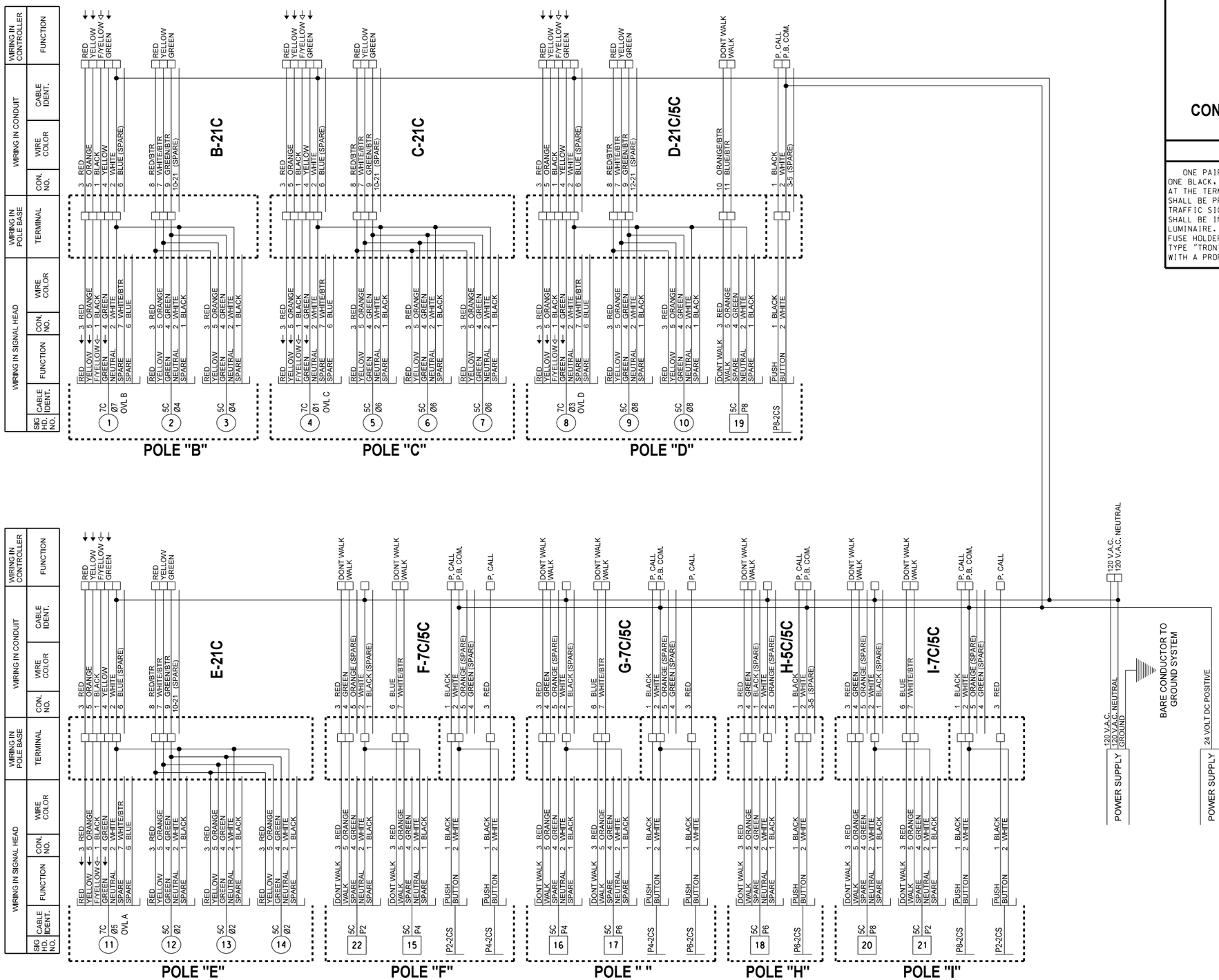
SIGNAL DETAIL
ARLINE AVE. & S. 32nd ST.

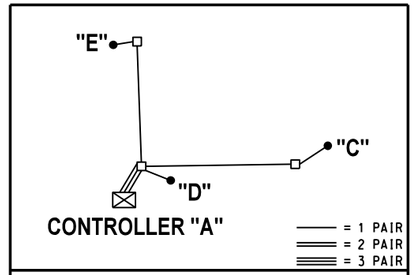
State Job No. 21708(04) Sheet No. T008

MUSKOGEE COUNTY

08-14-23 G:\OIProjects\T-2385A - SD,SS,LT - EC-1576 US 69 Muskogee Plan Update\CAD\T008-2710804-SIGNAL DETAIL ARLINE AVE.& S.32nd ST.dgn

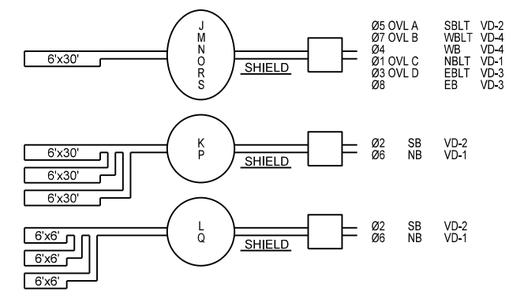
REVISIONS		
NO.	DESCRIPTION	DATE



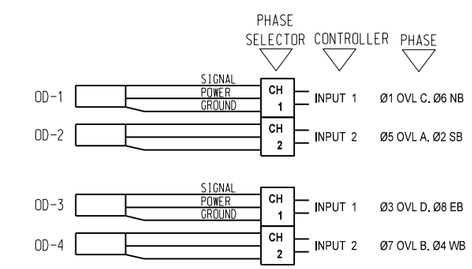


NOTE: STREET LIGHT WIRING

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.



VIDEO DETECTION AREAS



PRE-EMPTOR DETAILS

NOTE:
IF JUMPERS OR OTHER CONNECTIONS ARE MADE IN THE FIELD DURING INSTALLATION, AND ARE ACCEPTED BY THE ENGINEER THIS SHOULD BE SHOWN ON THE WIRING DIAGRAM FOR FUTURE REFERENCE.

Design	RWR	08-14-23
Drawn	SB	08-14-23

TEC A CLEAR DIRECTION

SIGNAL WIRING DIAGRAM
ARLINE AVE. & S. 32nd ST.

State Job No. 21708(04) Sheet No. T009

MUSKOGEE COUNTY

08-14-23 G:\0Projects\T-2385A - SD,SS,LT - EC-1516 US 69 Muskogee Plan Update\CAD\T009-270804-SIGNAL WIRING DIAGRAM ARLINE AVE. & S. 32nd St.dgn

REVISIONS		
NO.	DESCRIPTION	DATE

SIGN SUMMARY

SHEET NO.	ITEM NO.	APPROXIMATE STATION & LOCATION		SIGN TYPE	POSTS				FOOTINGS					SIGN AREA			REMARKS
					TYPE	A L.F.	B L.F.	SPACING	DESIGN NO.	STEEL 511(A) LBS.	60" DRILLED SHAFT L.F.	STRUCTURAL CONCRETE C.Y.	STEEL 804(B) LBS.	SHEET S.F.	PANEL S.F.	PANEL OVERHEAD S.F.	
T012	1	565+99	US-69	R5-1	2" SQ. TUBE POST	12.00								6.25			
T012	2	566+36	US-69	R4-7	2" SQ. TUBE POST	12.00								5.00			
T012	3	566+87	US-69	R6-1L	2" SQ. TUBE POST	12.00								3.00			
T012	4	566+92	US-69	R1-1, R6-1R, R6-1L	2" SQ. TUBE POST	16.00								11.18			
T012	5	567+24	US-69	R4-7	2" SQ. TUBE POST	12.00								5.00			
T012	6	567+75	US-69	R5-1	2" SQ. TUBE POST	12.00								6.25			
T012	7	AS SHOWN	US-69	VISIT MUSKOGEE SIGN													REMOVE & RESET EX.SIGN
T013	8	579+05	US-69	R5-1	2" SQ. TUBE POST	12.00								6.25			
T013	9	579+77	US-69	R4-7	2" SQ. TUBE POST	12.00								5.00			
T013	10	580+10	US-69	R6-1L	2" SQ. TUBE POST	12.00								3.00			
T013	11	580+40	US-69	R6-1L	2" SQ. TUBE POST	12.00								3.00			
T013	12	580+75	US-69	R4-7	2" SQ. TUBE POST	12.00								5.00			
T013	13	581+20	US-69	R5-1	2" SQ. TUBE POST	12.00								6.25			
T013	14	587+32	US-69	W3-3 & SPEC SIGN NO. 1	2" SQ. TUBE POST	12.50								7.55			
T013	15	587+32	US-69	W3-3 & SPEC SIGN NO. 1	2" SQ. TUBE POST	12.50								7.55			
T013	16	590+00	US-69	R8-3	2" SQ. TUBE POST	12.00								2.25			
T014	17	591+80	US-69	R5-1	2" SQ. TUBE POST	12.00								6.25			
T014	18	592+50	US-69	R4-7	2" SQ. TUBE POST	12.00								5.00			
T014	19	594+15	US-69	R4-7	2" SQ. TUBE POST	12.00								5.00			
T014	20	595+00	US-69	R5-1	2" SQ. TUBE POST	12.00								6.25			
T014	21	599+00	US-69	W3-3 & SPEC SIGN NO. 1	2" SQ. TUBE POST	12.50								7.55			
T014	22	599+00	US-69	W3-3 & SPEC SIGN NO. 1	2" SQ. TUBE POST	12.50								7.55			
T015	23	24+86	HANCOCK ST.	R2-1(35)	2" SQ. TUBE POST	13.50								5.00			
T015	24	605+35	US-69	R5-1	2" SQ. TUBE POST	12.00								6.25			
T015	25	605+95	US-69	R4-7	2" SQ. TUBE POST	12.00								5.00			
T015	26	606+40	US-69	R6-1L	2" SQ. TUBE POST	12.00								3.00			
T015	27	606+40	US-69	R6-1L	2" SQ. TUBE POST	12.00								3.00			
T016	28	606+75	US-69	R4-7	2" SQ. TUBE POST	12.00								5.00			
T016	29	607+35	US-69	R5-1	2" SQ. TUBE POST	12.00								6.25			
T017	30	614+45	US-69	R5-1	2" SQ. TUBE POST	12.00								6.25			
T017	31	614+45	US-69	R5-1	2" SQ. TUBE POST	12.00								6.25			
T017	32	614+74	US-69	R4-7	2" SQ. TUBE POST	12.00								5.00			
T017	33	615+10	US-69	R6-1L	2" SQ. TUBE POST	12.00								3.00			
T017	34	615+45	US-69	R6-1L	2" SQ. TUBE POST	12.00								3.00			
T017	35	615+51	US-69	R1-1, R6-1R, R6-1L, R6-3	2" SQ. TUBE POST	16.00								16.18			
T017	36	616+25	US-69	R5-1	2" SQ. TUBE POST	12.00								6.25			
T017	37	616+25	US-69	R5-1	2" SQ. TUBE POST	12.00								6.25			
T017	38	618+50	US-69	W3-5(45)	2" SQ. TUBE POST	15.00								9.00			
T017	39	618+50	US-69	W3-5(45)	2" SQ. TUBE POST	15.00								9.00			
T017	40	627+00	US-69	R2-1(55)	2" SQ. TUBE POST	13.50								5.00			
T017	41	627+00	US-69	R2-1(55)	2" SQ. TUBE POST	13.50								5.00			
T017	42	627+00	US-69	R2-1(45)	2" SQ. TUBE POST	13.50								5.00			
T017	43	627+00	US-69	R2-1(45)	2" SQ. TUBE POST	13.50								5.00			
T017	44	AS SHOWN	US-69	HISTORIC DOWNTOWN SIGN													
T018	45	635+00	US-69	R2-1(45)	2" SQ. TUBE POST	13.50								5.00			
T018	46	635+00	US-69	R2-1(45)	2" SQ. TUBE POST	13.50								5.00			
T018	47	635+00	US-69	R2-1(35)	2" SQ. TUBE POST	13.50								5.00			
T018	48	635+00	US-69	R2-1(35)	2" SQ. TUBE POST	13.50								5.00			
T018	49	640+00	US-69	W3-3 & SPEC SIGN NO. 2	2" SQ. TUBE POST	12.50								7.55			
T018	50	640+00	US-69	W3-3 & SPEC SIGN NO. 2	2" SQ. TUBE POST	12.50								7.55			
T018	51	645+10	US-69	R5-1	2" SQ. TUBE POST	12.00								6.25			
T018	52	645+55	US-69	R4-7	2" SQ. TUBE POST	12.00								5.00			
T018	53	646+58	US-69	R4-7	2" SQ. TUBE POST	12.00								5.00			
T018	54	647+00	US-69	R5-1	2" SQ. TUBE POST	12.00								6.25			
T019	55	647+50	US-69	W3-3 & SPEC SIGN NO. 2	2" SQ. TUBE POST	12.50								7.55			
T019	56	647+50	US-69	W3-3 & SPEC SIGN NO. 2	2" SQ. TUBE POST	12.50								7.55			
T019	57	649+00	US-69	W12-2(14'-10")	2" SQ. TUBE POST	12.00								9.00			
T019	58	651+46	US-69	W12-2(14'-10")	2" SQ. TUBE POST	12.00								9.00			
T019	59	AS SHOWN	US-69	R2-1(35)	2" SQ. TUBE POST	13.50								5.00			
T019	60	AS SHOWN	US-69	R2-1(35)	2" SQ. TUBE POST	13.50								5.00			
T020	61	653+40	US-69	W3-3 & SPEC SIGN NO. 2	2" SQ. TUBE POST	12.50								7.55			
T020	62	653+40	US-69	W3-3 & SPEC SIGN NO. 2	2" SQ. TUBE POST	12.50								7.55			
T020	63	654+94	US-69	W12-2(14'-10")	2" SQ. TUBE POST	12.00								9.00			
T020	64	655+44	US-69	R4-7	2" SQ. TUBE POST	12.00								5.00			
T020	65	656+00	US-69	R3-9B, M4-6	2" SQ. TUBE POST	12.00								6.25			
T020	66	656+00	US-69	R3-9B	2" SQ. TUBE POST	12.00								6.00			
T020	67	659+00	US-69	W12-2(14'-10")	2" SQ. TUBE POST	12.00								9.00			
T020	68	666+80	US-69	R2-1(35)	2" SQ. TUBE POST	13.50								5.00			
T020	69	661+65	US-69	R2-1(35)	2" SQ. TUBE POST	13.50								5.00			
T020	70	661+65	US-69	R3-9B	2" SQ. TUBE POST	12.00								6.00			
T020	71	661+65	US-69	R3-9B, M4-6	2" SQ. TUBE POST	12.00								6.25			
T020	72	662+75	US-69	R1-1, R6-1R, R6-1L	2" SQ. TUBE POST	16.00								11.18			
T020	73	666+00	US-69	R3-9B, M4-6	2" SQ. TUBE POST	12.00								6.25			
T020	74	666+00	US-69	R3-9B	2" SQ. TUBE POST	12.00								6.00			

Design	RWR	08-14-23
Drawn	SB	08-14-23

TEC A CLEAR DIRECTION

SIGN SUMMARY

(1 of 2)

State Job No. 27108(04) Sheet No. T010

MUSKOGEE COUNTY

08-14-23 G:\OProjects\1-2385A - SD,SS,LT - EC-1576 US 69 Muskogee Plan Update\CAD\T000-270804-SIGN SUMMARY 1of 2.dgn

REVISIONS		
NO.	DESCRIPTION	DATE

SIGN SUMMARY

SHEET NO.	ITEM NO.	APPROXIMATE STATION & LOCATION		SIGN TYPE	POSTS				FOOTINGS					SIGN AREA			REMARKS
					TYPE	A L.F.	B L.F.	SPACING	DESIGN NO.	STEEL 511(A) LBS.	60" DRILLED SHAFT L.F.	STRUCTURAL CONCRETE C.Y.	STEEL 804(B) LBS.	SHEET S.F.	PANEL S.F.	PANEL OVERHEAD S.F.	
T021	75	668+50	US-69	R3-9B	2" SQ. TUBE POST	12.00								6.00			
T021	76	668+50	US-69	R3-9B, M4-6	2" SQ. TUBE POST	12.00								6.25			
T021	77	669+15	US-69	R4-7	2" SQ. TUBE POST	12.00								5.00			
T021	78	670+76	US-69	R5-1	2" SQ. TUBE POST	12.00								6.25			
T021	79	671+21	US-69	R4-7	2" SQ. TUBE POST	12.00								5.00			
T021	80	672+17	US-69	R4-7	2" SQ. TUBE POST	12.00								5.00			
T021	81	672+67	US-69	R5-1	2" SQ. TUBE POST	12.00								6.25			
T021	82	674+83	US-69	R4-7	2" SQ. TUBE POST	12.00								5.00			
T021	83	674+98	US-69	HEALTH DEPT. SIGN													REMOVE & RESET EX.SIGN
T021	84	675+34	US-69	R3-9B, M4-6	2" SQ. TUBE POST	12.00								6.25			
T021	85	675+22	US-69	R3-9B	2" SQ. TUBE POST	12.00								6.00			
T022	86	677+65	US-69	R3-9B	2" SQ. TUBE POST	12.00								6.00			
T022	87	677+82	US-69	R3-9B, M4-6	2" SQ. TUBE POST	12.00								6.25			
T022	88	678+24	US-69	R4-7	2" SQ. TUBE POST	12.00								5.00			
T022	89	680+03	US-69	R5-1	2" SQ. TUBE POST	12.00								6.25			
T022	90	680+48	US-69	R4-7	2" SQ. TUBE POST	12.00								5.00			
T022	91	680+63	US-69	R1-1, R6-1R, R6-1L	2" SQ. TUBE POST	16.00								11.18			
T022	92	681+09	US-69	R1-1, R6-1R, R6-1L	2" SQ. TUBE POST	16.00								11.18			
T022	93	681+25	US-69	R4-7	2" SQ. TUBE POST	12.00								5.00			
T022	94	681+75	US-69	R5-1	2" SQ. TUBE POST	12.00								6.25			
T022	95	683+23	US-69	R5-1	2" SQ. TUBE POST	12.00								6.25			
T022	96	683+68	US-69	R4-7	2" SQ. TUBE POST	12.00								5.00			
T022	97	683+89	US-69	R1-1, R6-1R, R6-1L	2" SQ. TUBE POST	16.00								11.18			
T022	98	684+26	US-69	R1-1, R6-1R, R6-1L	2" SQ. TUBE POST	16.00								11.18			
T022	99	684+46	US-69	R4-7	2" SQ. TUBE POST	12.00								5.00			
T022	100	684+96	US-69	R5-1	2" SQ. TUBE POST	12.00								6.25			
T022	101	686+86	US-69	R4-7	2" SQ. TUBE POST	12.00								5.00			
T022	102	687+26	US-69	R3-9B	2" SQ. TUBE POST	12.00								6.00			
T022	103	687+41	US-69	R3-9B, M4-6	2" SQ. TUBE POST	12.00								6.25			
T023	104	692+10	US-69	R2-1(35)	2" SQ. TUBE POST	13.50								5.00			
T023	105	AS SHOWN	US-69	MEDICAL CENTER SIGN													REMOVE & RESET EX.SIGN
T023	106	693+50	US-69	R3-9B	2" SQ. TUBE POST	12.00								6.00			
T023	107	693+53	US-69	R3-9B, M4-6	2" SQ. TUBE POST	12.00								6.25			
T023	108	693+87	US-69	R4-7	2" SQ. TUBE POST	12.00								5.00			
T023	109	AS SHOWN	US-69	R3-9B, M4-6	2" SQ. TUBE POST	12.00								6.25			
T023	110	694+75	US-69	ROUTE ASSEMBLY NO. 1	2" SQ. TUBE POST	16.00	16.00							12.00			
T023	111	695+90	US-69	ROUTE ASSEMBLY NO. 2	4" PIPE POST	20.00	20.00		A-6			0.60	84.00	38.57			
T023	112	AS SHOWN	US-69	ROUTE ASSEMBLY NO. 3	4" PIPE POST	20.00	20.00		A-6			0.60	84.00	38.57			
				TOTALS	**2" SQ. TUBE POST** **2-1/2" SQ. TUBE POST** **4" PIPE POST** **4" WF @ 13** **6" WF @ 15** **6" WF @ 25** **8" WF @ 31**	**1352.00** **80.00**						**1.20**	**168.00**	**739.40**		

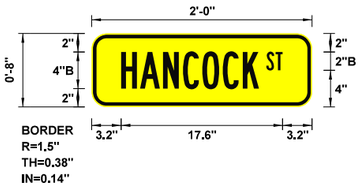
Design	RWR	08-14-23
Drawn	SB	08-14-23

TEC A CLEAR DIRECTION

SIGN SUMMARY
(2 of 2)

State Job No. 27108(04) Sheet No. T011

MUSKOGEE COUNTY



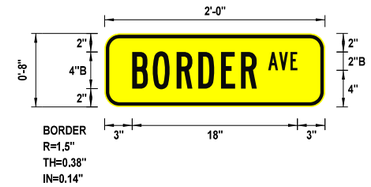
SPECIAL SIGN NO.	1(W16-8P)
WIDTH x HGHT.	2'-0" x 0'-8"
BORDER WIDTH	0.38"
CORNER RADIUS	1.5"
MOUNTING	Ground
SIGN AREA	1.3 Sq.Ft.
BACKGROUND	TYPE: Reflective
	COLOR: Yellow
LEGEND/BORDER	TYPE: Reflective
	COLOR: Black

SYMBOL	X	Y	WID	HT

Dimensions are in: Inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)							LENGTH	SERIES / SIZE
S	T							B 2000
19	20						1.8	
H	A	N	C	O	C	K		B 2000
3.2	5.3	7.8	9.9	12	14.3	16.4	15	



SPECIAL SIGN NO.	2(W16-8P)
WIDTH x HGHT.	2'-0" x 0'-8"
BORDER WIDTH	0.38"
CORNER RADIUS	1.5"
MOUNTING	Ground
SIGN AREA	1.3 Sq.Ft.
BACKGROUND	TYPE: Reflective
	COLOR: Yellow
LEGEND/BORDER	TYPE: Reflective
	COLOR: Black

SYMBOL	X	Y	WID	HT

Dimensions are in: Inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)							LENGTH	SERIES / SIZE
A	V	E						B 2000
17.8	19	20.2					3.2	
B	O	R	D	E	R			B 2000
3	5.2	7.8	10.2	12.7	14.8		13.6	

SPECIAL SIGN NO.	
WIDTH x HGHT.	
BORDER WIDTH	
CORNER RADIUS	
MOUNTING	
SIGN AREA	
BACKGROUND	TYPE:
	COLOR:
LEGEND/BORDER	TYPE:
	COLOR:

SYMBOL	X	Y	WID	HT

LETTER POSITIONS (X)	LENGTH	SERIES / SIZE

SPECIAL SIGN NO.	
WIDTH x HGHT.	
BORDER WIDTH	
CORNER RADIUS	
MOUNTING	
SIGN AREA	
BACKGROUND	TYPE:
	COLOR:
LEGEND/BORDER	TYPE:
	COLOR:

SYMBOL	X	Y	WID	HT

LETTER POSITIONS (X)	LENGTH	SERIES / SIZE

REVISIONS		
NO.	DESCRIPTION	DATE

Design	BJH	08-14-23
Drawn	CCC	08-14-23

TEC A CLEAR DIRECTION

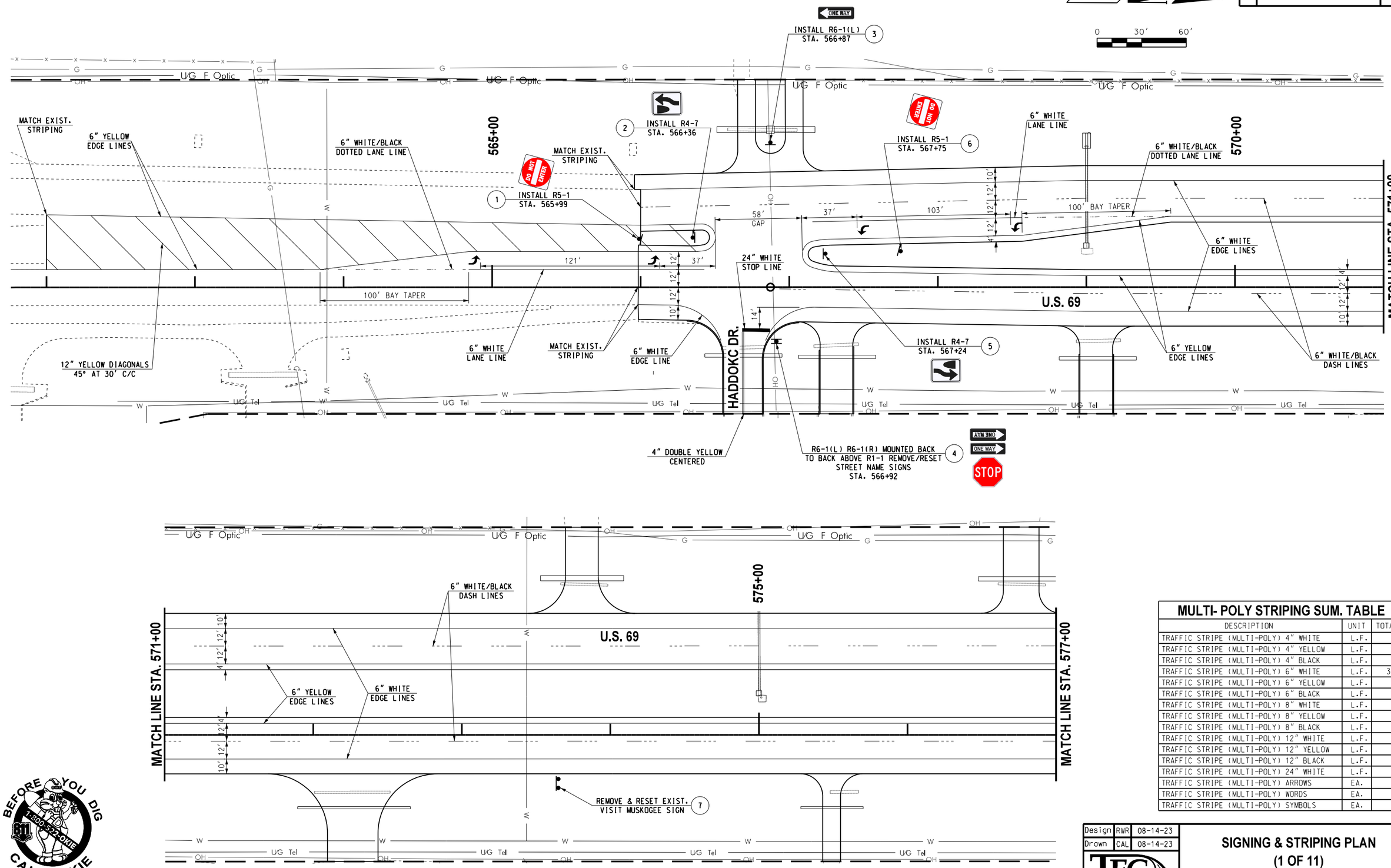
SPECIAL SIGN DETAILS

State Job No. 27108(04) Sheet No. T012

MUSKOGEE COUNTY

08-14-23 G:\0Projects\T-2385A - SD,SS,LT - EC-1516 US 69 Muskogee Plan Update\CAD\T012-2710804-SPECIAL SIGNS DETAIL.dgn

REVISIONS		
NO.	DESCRIPTION	DATE



MULTI- POLY STRIPING SUM. TABLE

DESCRIPTION	UNIT	TOTALS
TRAFFIC STRIPE (MULTI-POLY) 4" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 4" YELLOW	L.F.	110
TRAFFIC STRIPE (MULTI-POLY) 4" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 6" WHITE	L.F.	3000
TRAFFIC STRIPE (MULTI-POLY) 6" YELLOW	L.F.	120
TRAFFIC STRIPE (MULTI-POLY) 6" BLACK	L.F.	610
TRAFFIC STRIPE (MULTI-POLY) 8" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 8" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 8" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" YELLOW	L.F.	660
TRAFFIC STRIPE (MULTI-POLY) 12" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 24" WHITE	L.F.	20
TRAFFIC STRIPE (MULTI-POLY) ARROWS	EA.	4
TRAFFIC STRIPE (MULTI-POLY) WORDS	EA.	0
TRAFFIC STRIPE (MULTI-POLY) SYMBOLS	EA.	0

BEFORE YOU DIG CALL OKIE 1-800-522-OKIE 811

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

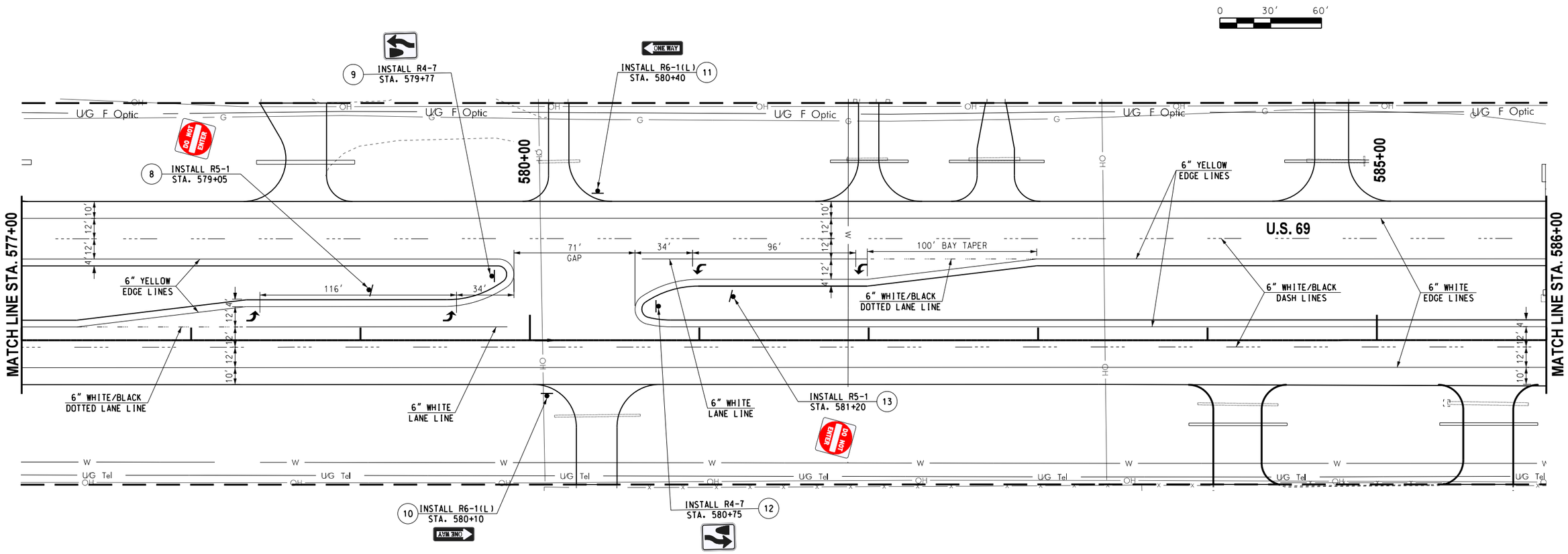
SIGNING & STRIPING PLAN (1 OF 11)

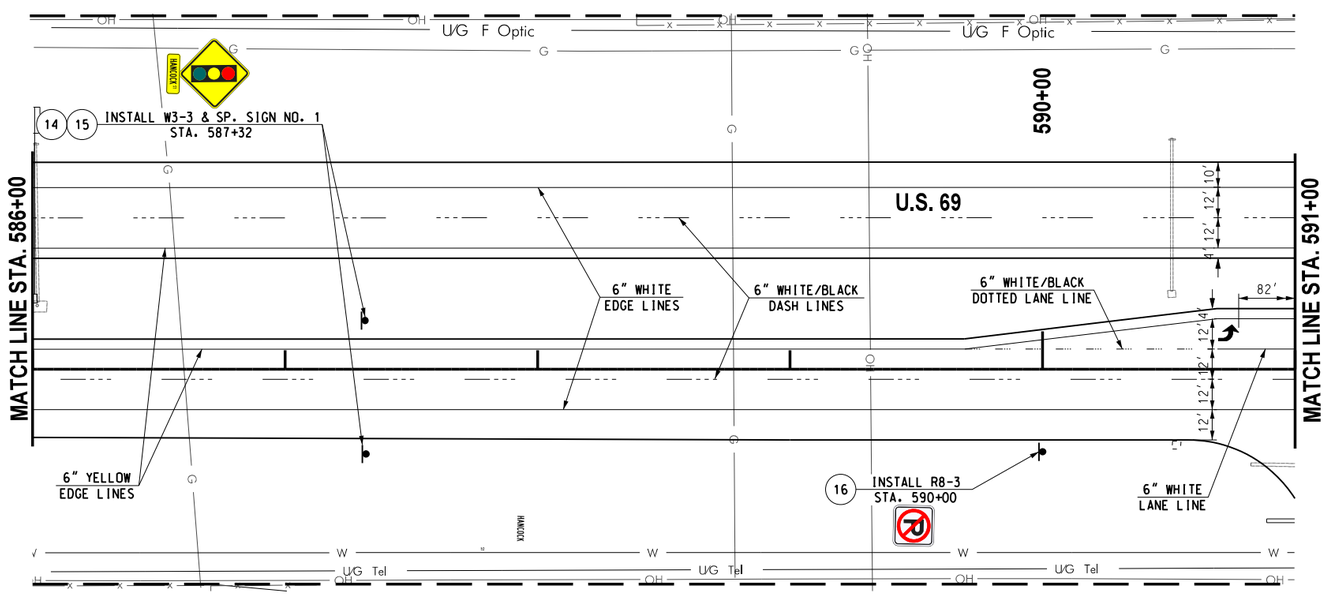
Project No. 27108(04) Sheet No. T013

MUSKOGEE COUNTY

08-14-23 G:\OKProjects\T-23854 - SD,SS,LT - EC-1576 US 69 Muskogee Plan Update\CAD\T03-27108(04)-SIGNING & STRIPING PLAN (1OF 11).dgn

REVISIONS		
NO.	DESCRIPTION	DATE





MULTI- POLY STRIPING SUM. TABLE

DESCRIPTION	UNIT	TOTALS
TRAFFIC STRIPE (MULTI-POLY) 4" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 4" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 4" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 6" WHITE	L.F.	3900
TRAFFIC STRIPE (MULTI-POLY) 6" YELLOW	L.F.	2680
TRAFFIC STRIPE (MULTI-POLY) 6" BLACK	L.F.	790
TRAFFIC STRIPE (MULTI-POLY) 8" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 8" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 8" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 24" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) ARROWS	EA.	5
TRAFFIC STRIPE (MULTI-POLY) WORDS	EA.	0
TRAFFIC STRIPE (MULTI-POLY) SYMBOLS	EA.	0

BEFORE YOU DIG CALL OKIE 1-800-522-OKIE 811

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

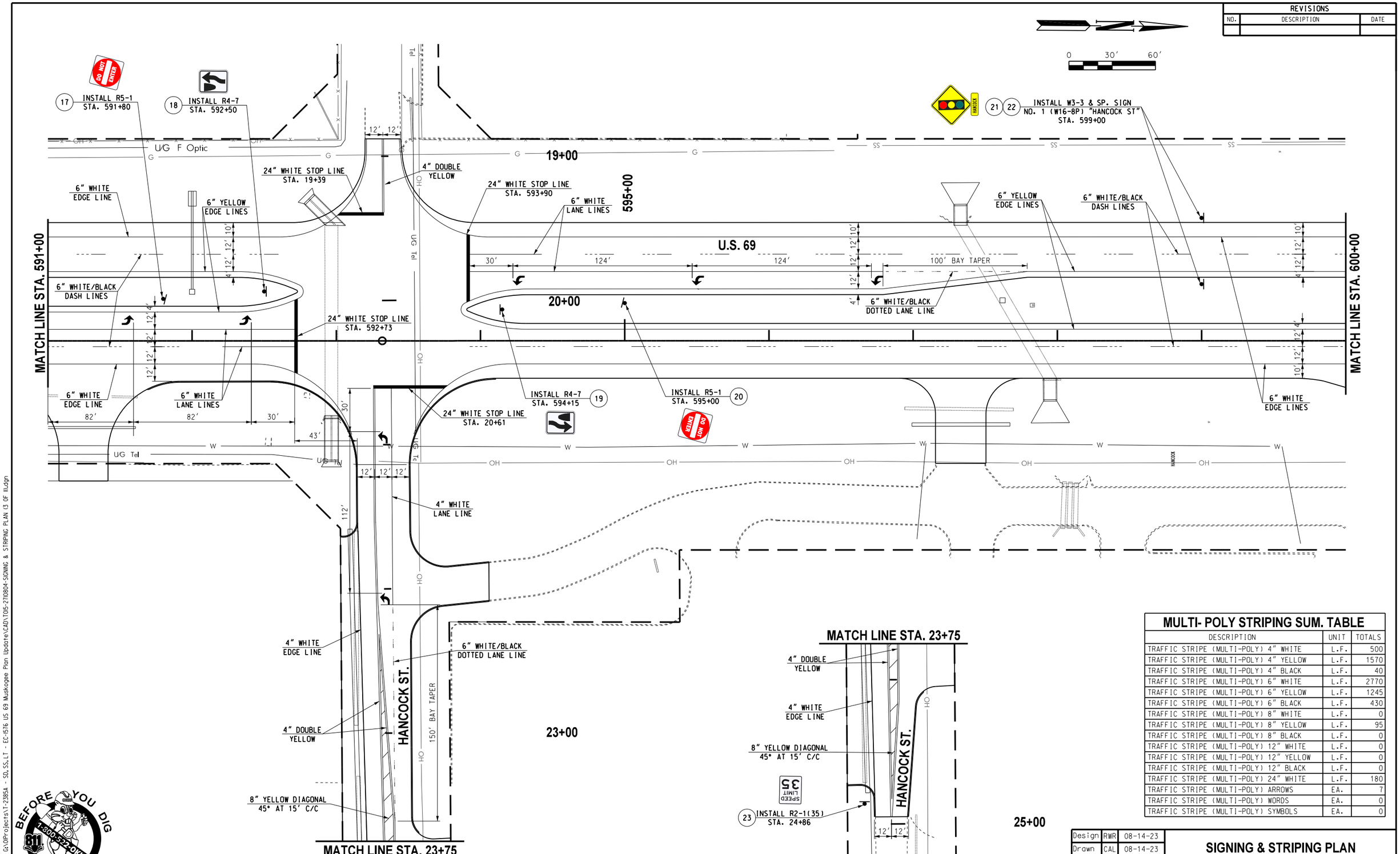
SIGNING & STRIPING PLAN (2 OF 11)

Project No. 27108(04) Sheet No. T014

MUSKOGEE COUNTY

08:14-23 G:\0Projects\T-2385A - SD,SS,LT - EC-1576 US 69 Muskogee Plan Update\CAD\T04-27108(04)-SIGNING & STRIPING PLAN (2 OF 11).dgn

REVISIONS		
NO.	DESCRIPTION	DATE



MULTI- POLY STRIPING SUM. TABLE

DESCRIPTION	UNIT	TOTALS
TRAFFIC STRIPE (MULTI-POLY) 4" WHITE	L.F.	500
TRAFFIC STRIPE (MULTI-POLY) 4" YELLOW	L.F.	1570
TRAFFIC STRIPE (MULTI-POLY) 4" BLACK	L.F.	40
TRAFFIC STRIPE (MULTI-POLY) 6" WHITE	L.F.	2770
TRAFFIC STRIPE (MULTI-POLY) 6" YELLOW	L.F.	1245
TRAFFIC STRIPE (MULTI-POLY) 6" BLACK	L.F.	430
TRAFFIC STRIPE (MULTI-POLY) 8" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 8" YELLOW	L.F.	95
TRAFFIC STRIPE (MULTI-POLY) 8" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 24" WHITE	L.F.	180
TRAFFIC STRIPE (MULTI-POLY) ARROWS	EA.	7
TRAFFIC STRIPE (MULTI-POLY) WORDS	EA.	0
TRAFFIC STRIPE (MULTI-POLY) SYMBOLS	EA.	0

BEFORE YOU DIG CALL OKIE 1-800-522-OKIE 811

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

SIGNING & STRIPING PLAN (3 OF 11)

Project No. 27108(04) Sheet No. T015

MUSKOGEE COUNTY

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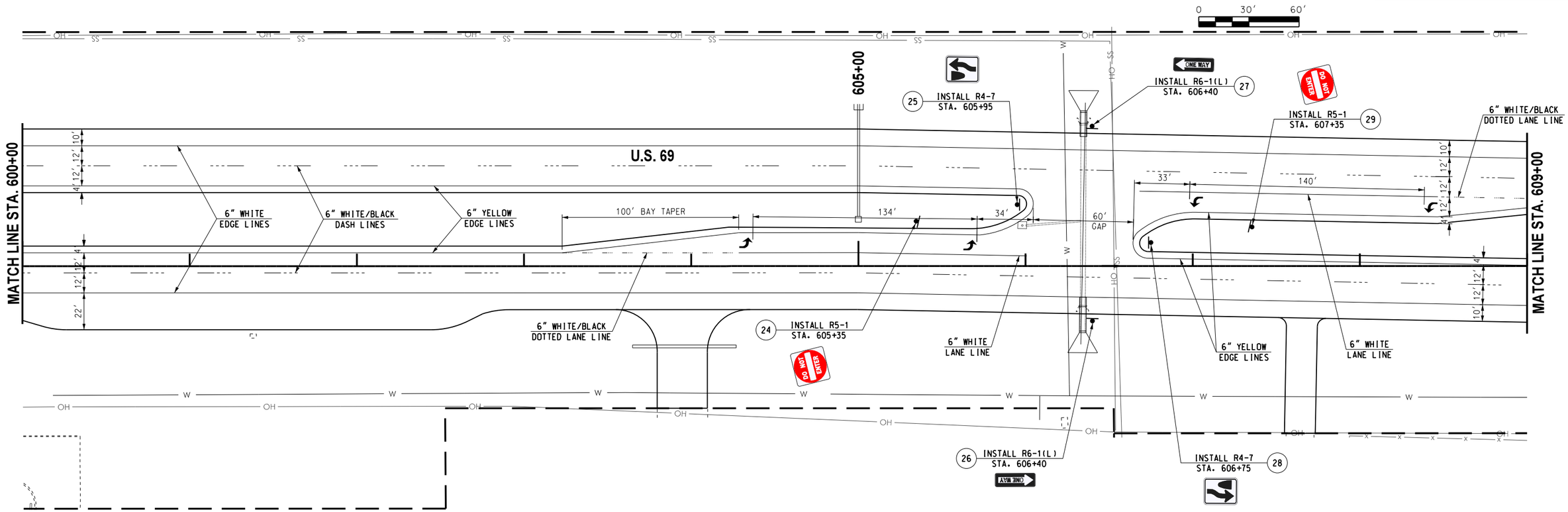
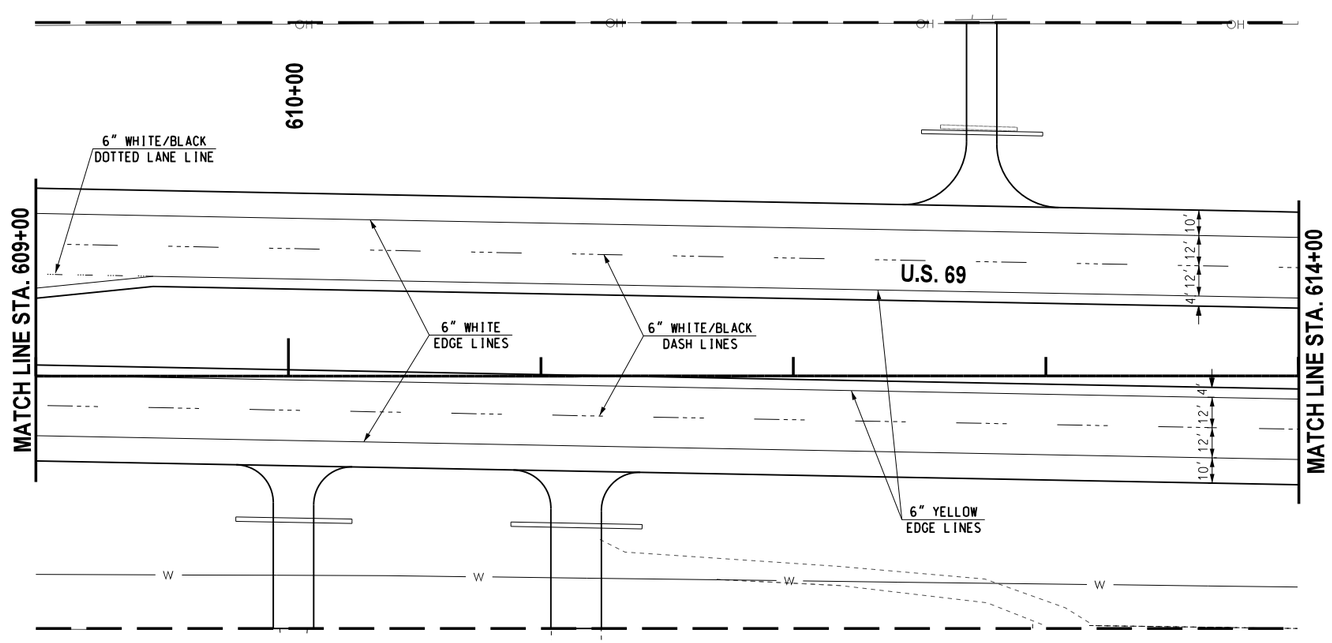
REVISIONS		
NO.	DESCRIPTION	DATE





MULTI- POLY STRIPING SUM. TABLE

DESCRIPTION	UNIT	TOTALS
TRAFFIC STRIPE (MULTI-POLY) 4" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 4" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 4" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 6" WHITE	L.F.	3780
TRAFFIC STRIPE (MULTI-POLY) 6" YELLOW	L.F.	2720
TRAFFIC STRIPE (MULTI-POLY) 6" BLACK	L.F.	630
TRAFFIC STRIPE (MULTI-POLY) 8" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 8" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 8" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 24" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) ARROWS	EA.	4
TRAFFIC STRIPE (MULTI-POLY) WORDS	EA.	0
TRAFFIC STRIPE (MULTI-POLY) SYMBOLS	EA.	0

BEFORE YOU DIG CALL OKIE 1-800-522-OKIE 811

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

SIGNING & STRIPING PLAN (4 OF 11)

Project No. 27108(04) Sheet No. T016

MUSKOGEE COUNTY

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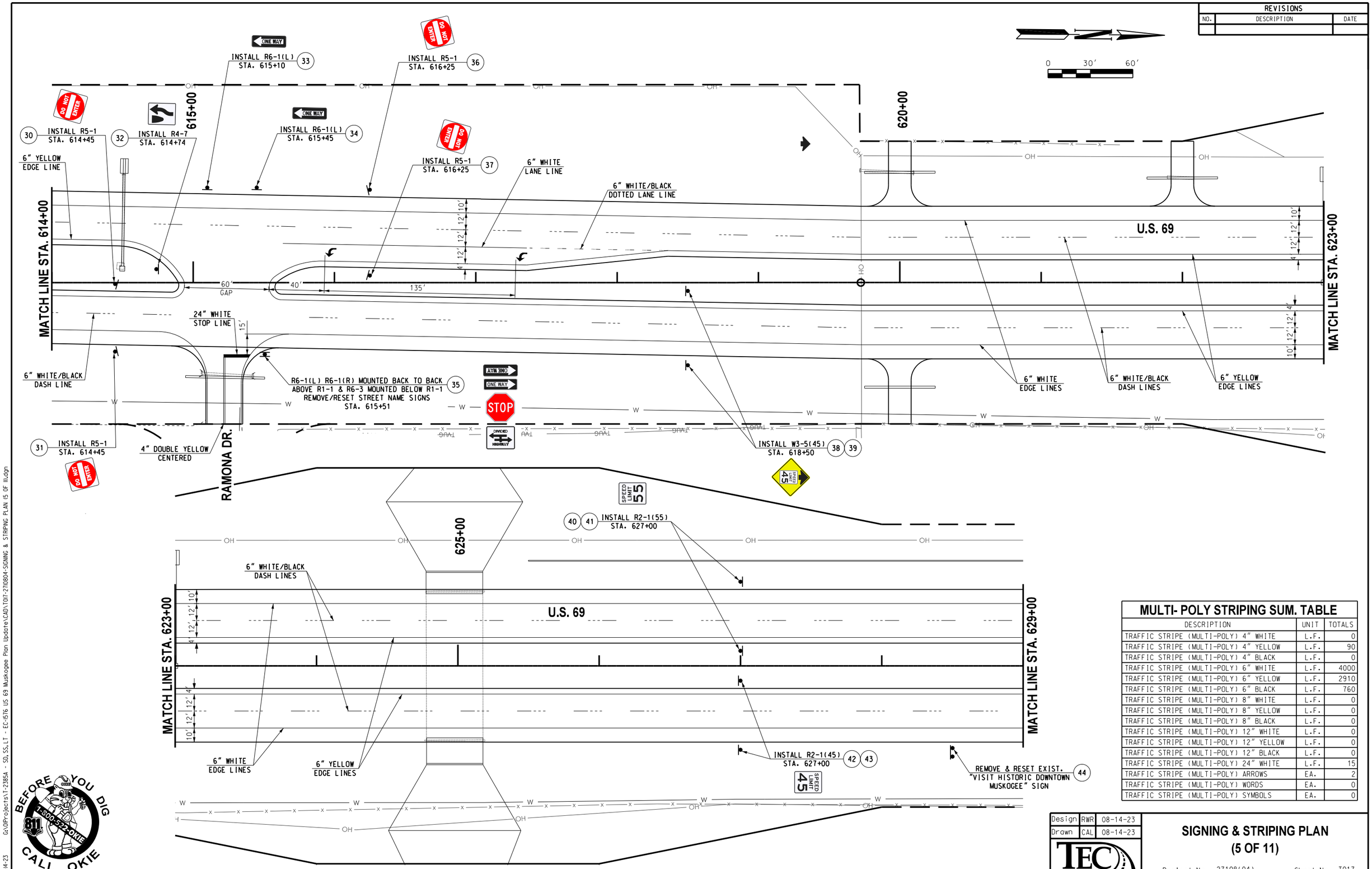
REVISIONS		
NO.	DESCRIPTION	DATE



MULTI- POLY STRIPING SUM. TABLE

DESCRIPTION	UNIT	TOTALS
TRAFFIC STRIPE (MULTI-POLY) 4" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 4" YELLOW	L.F.	90
TRAFFIC STRIPE (MULTI-POLY) 4" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 6" WHITE	L.F.	4000
TRAFFIC STRIPE (MULTI-POLY) 6" YELLOW	L.F.	2910
TRAFFIC STRIPE (MULTI-POLY) 6" BLACK	L.F.	760
TRAFFIC STRIPE (MULTI-POLY) 8" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 8" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 8" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 24" WHITE	L.F.	15
TRAFFIC STRIPE (MULTI-POLY) ARROWS	EA.	2
TRAFFIC STRIPE (MULTI-POLY) WORDS	EA.	0
TRAFFIC STRIPE (MULTI-POLY) SYMBOLS	EA.	0

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

SIGNING & STRIPING PLAN (5 OF 11)

Project No. 27108(04) Sheet No. T017

MUSKOGEE COUNTY

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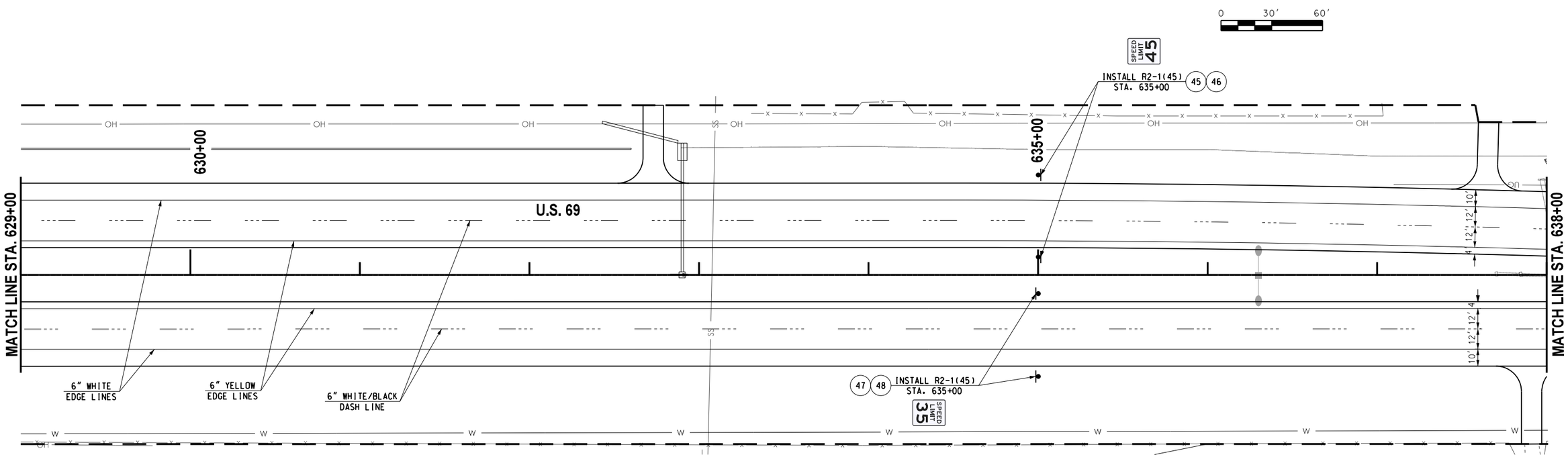
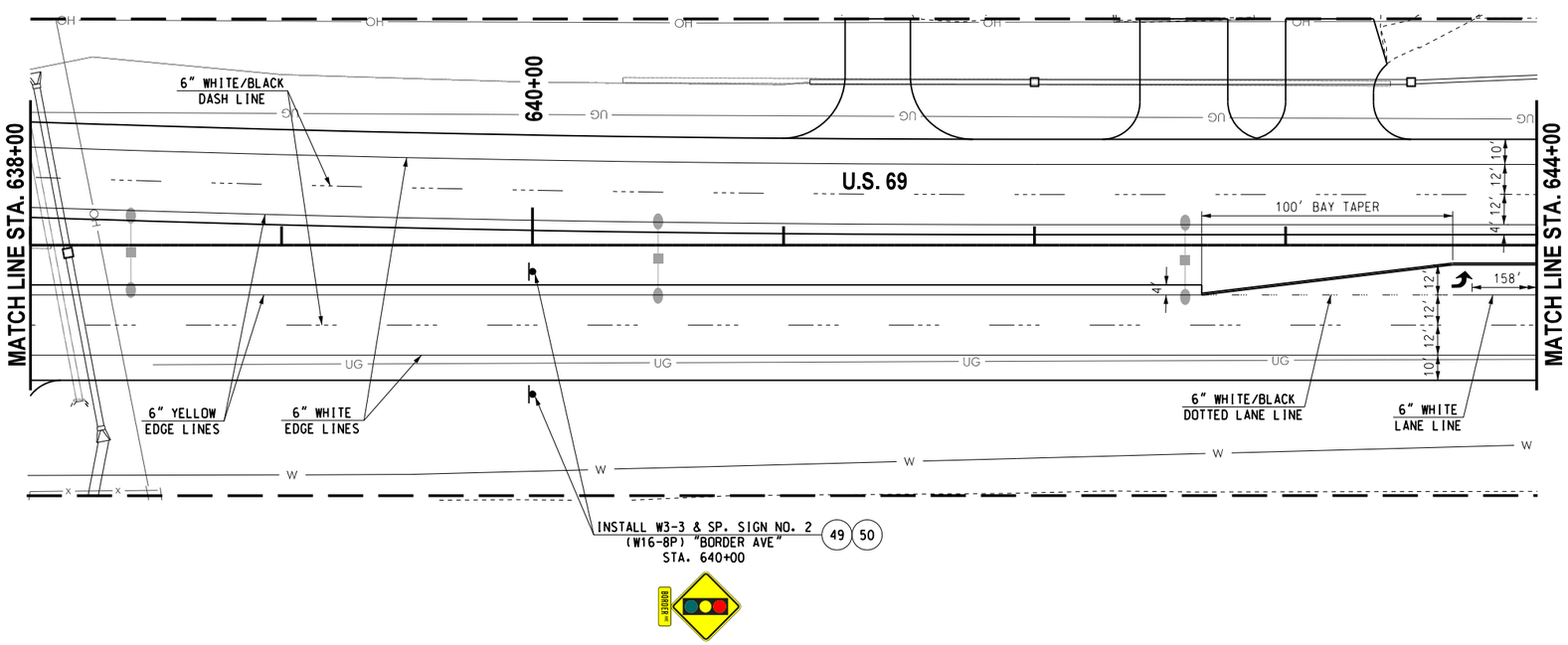
REVISIONS		
NO.	DESCRIPTION	DATE





MULTI- POLY STRIPING SUM. TABLE

DESCRIPTION	UNIT	TOTALS
TRAFFIC STRIPE (MULTI-POLY) 4" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 4" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 4" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 6" WHITE	L.F.	3825
TRAFFIC STRIPE (MULTI-POLY) 6" YELLOW	L.F.	2865
TRAFFIC STRIPE (MULTI-POLY) 6" BLACK	L.F.	790
TRAFFIC STRIPE (MULTI-POLY) 8" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 8" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 8" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 24" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) ARROWS	EA.	1
TRAFFIC STRIPE (MULTI-POLY) WORDS	EA.	0
TRAFFIC STRIPE (MULTI-POLY) SYMBOLS	EA.	0

BEFORE YOU DIG CALL OKIE 1-800-522-OKIE 811

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

SIGNING & STRIPING PLAN (6 OF 11)

Project No. 27108(04) Sheet No. T018

MUSKOGEE COUNTY

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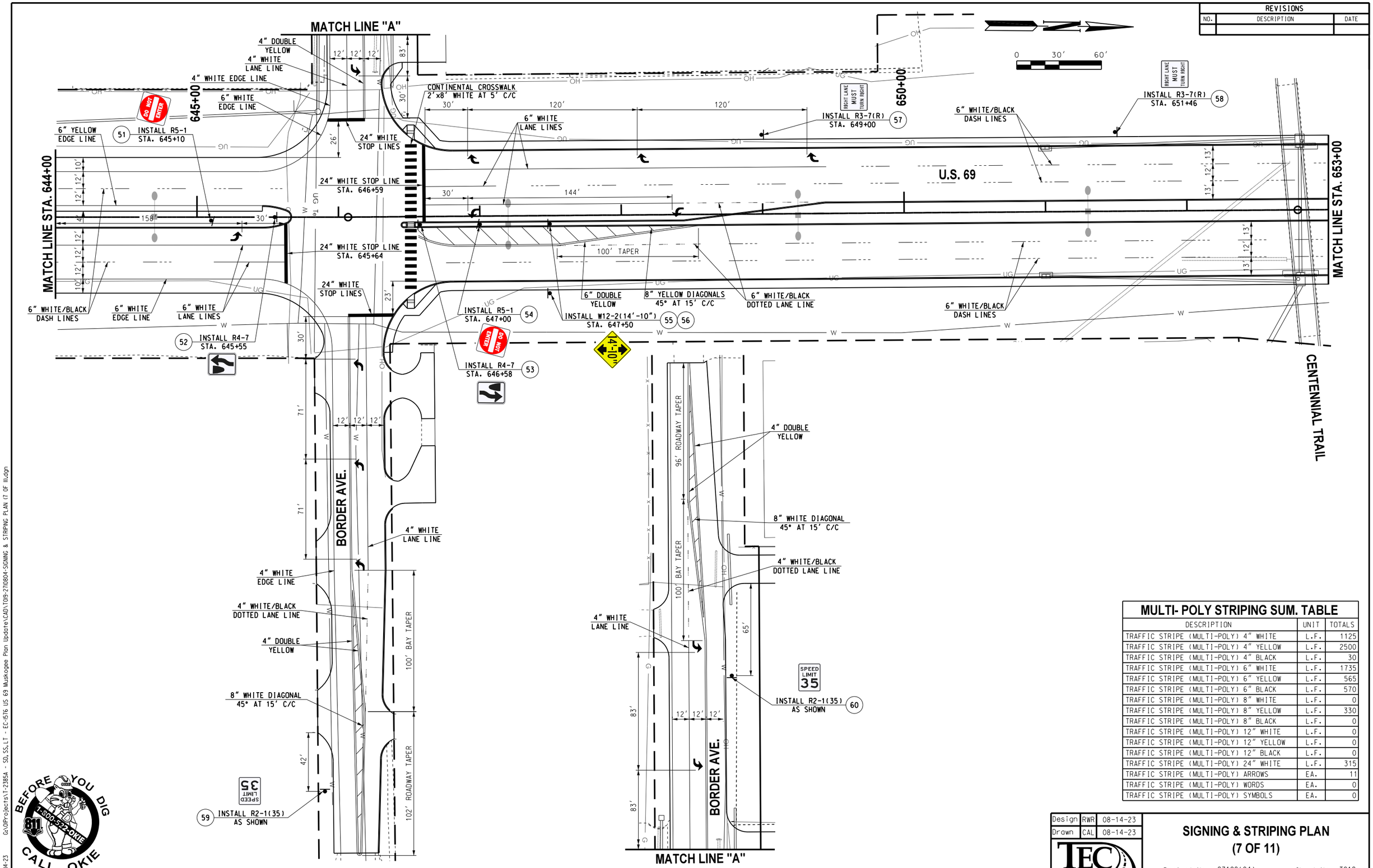
REVISIONS		
NO.	DESCRIPTION	DATE



MULTI- POLY STRIPING SUM. TABLE

DESCRIPTION	UNIT	TOTALS
TRAFFIC STRIPE (MULTI-POLY) 4" WHITE	L.F.	1125
TRAFFIC STRIPE (MULTI-POLY) 4" YELLOW	L.F.	2500
TRAFFIC STRIPE (MULTI-POLY) 4" BLACK	L.F.	30
TRAFFIC STRIPE (MULTI-POLY) 6" WHITE	L.F.	1735
TRAFFIC STRIPE (MULTI-POLY) 6" YELLOW	L.F.	565
TRAFFIC STRIPE (MULTI-POLY) 6" BLACK	L.F.	570
TRAFFIC STRIPE (MULTI-POLY) 8" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 8" YELLOW	L.F.	330
TRAFFIC STRIPE (MULTI-POLY) 8" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 24" WHITE	L.F.	315
TRAFFIC STRIPE (MULTI-POLY) ARROWS	EA.	11
TRAFFIC STRIPE (MULTI-POLY) WORDS	EA.	0
TRAFFIC STRIPE (MULTI-POLY) SYMBOLS	EA.	0

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

SIGNING & STRIPING PLAN
(7 OF 11)

Project No. 27108(04) Sheet No. T019

MUSKOGEE COUNTY

BEFORE YOU DIG CALL OKIE 1-800-522-OKIE 811

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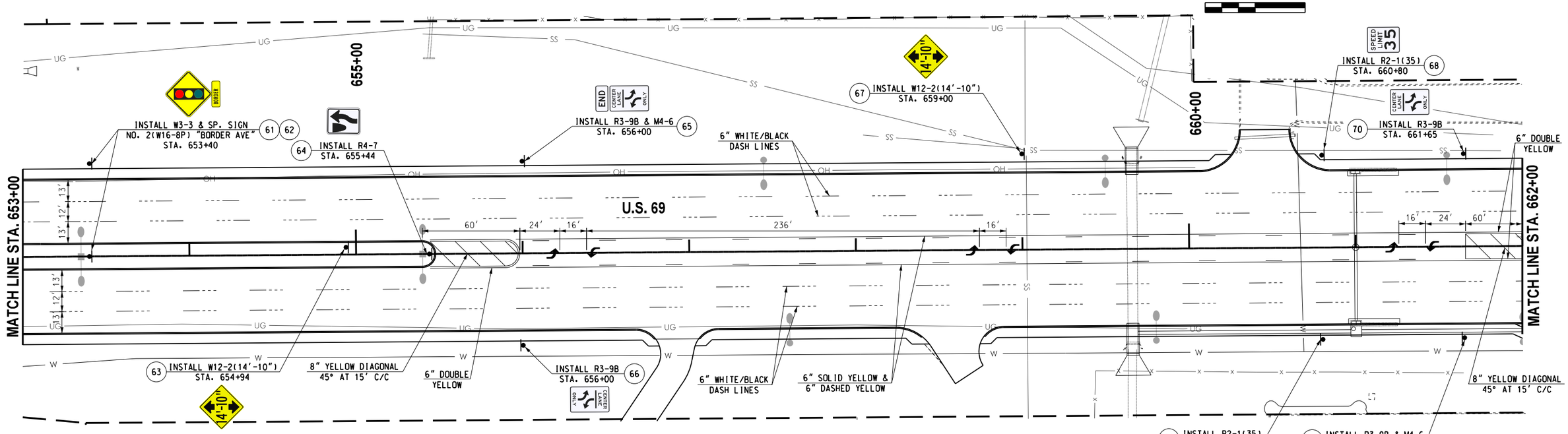
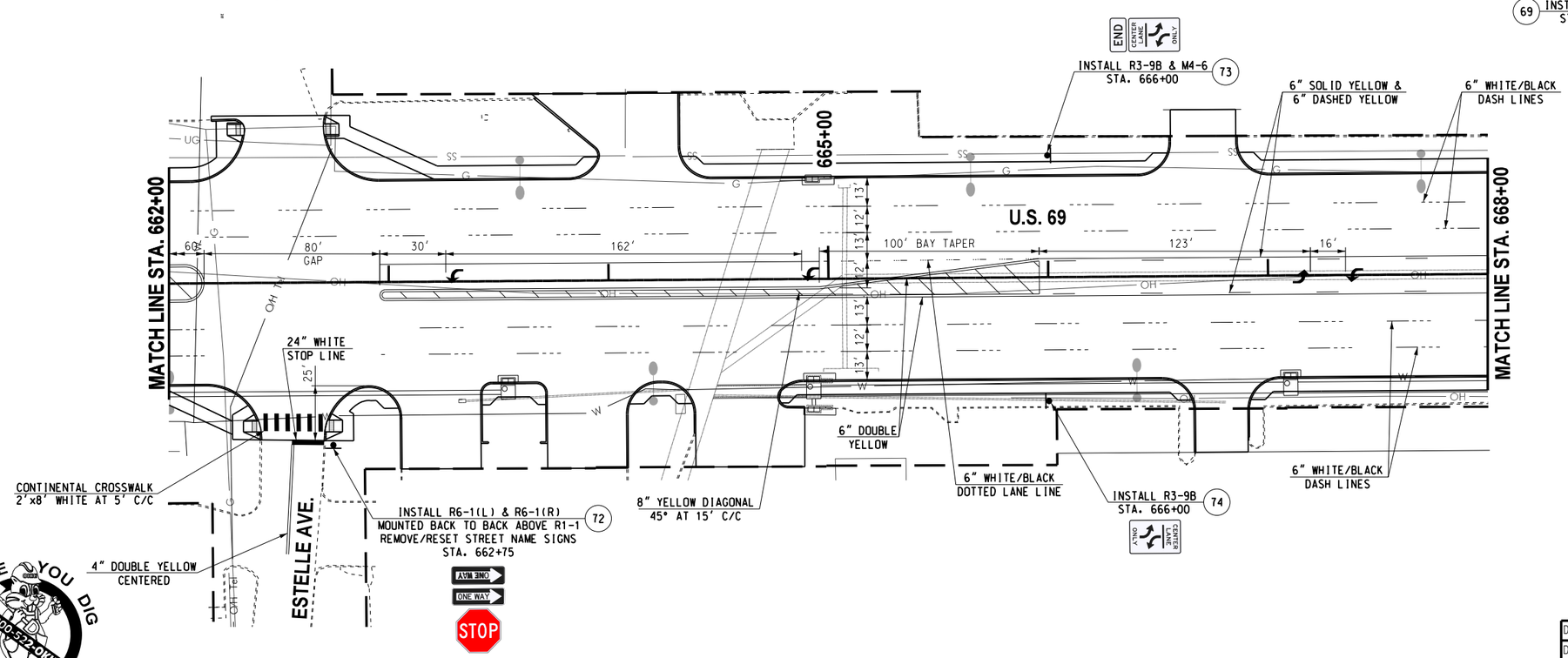
REVISIONS		
NO.	DESCRIPTION	DATE





MULTI- POLY STRIPING SUM. TABLE

DESCRIPTION	UNIT	TOTALS
TRAFFIC STRIPE (MULTI-POLY) 4" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 4" YELLOW	L.F.	100
TRAFFIC STRIPE (MULTI-POLY) 4" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 6" WHITE	L.F.	1250
TRAFFIC STRIPE (MULTI-POLY) 6" YELLOW	L.F.	2210
TRAFFIC STRIPE (MULTI-POLY) 6" BLACK	L.F.	1030
TRAFFIC STRIPE (MULTI-POLY) 8" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 8" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 8" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 24" WHITE	L.F.	65
TRAFFIC STRIPE (MULTI-POLY) ARROWS	EA.	10
TRAFFIC STRIPE (MULTI-POLY) WORDS	EA.	0
TRAFFIC STRIPE (MULTI-POLY) SYMBOLS	EA.	0

BEFORE YOU DIG CALL OKIE 811 1-800-522-OKIE

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

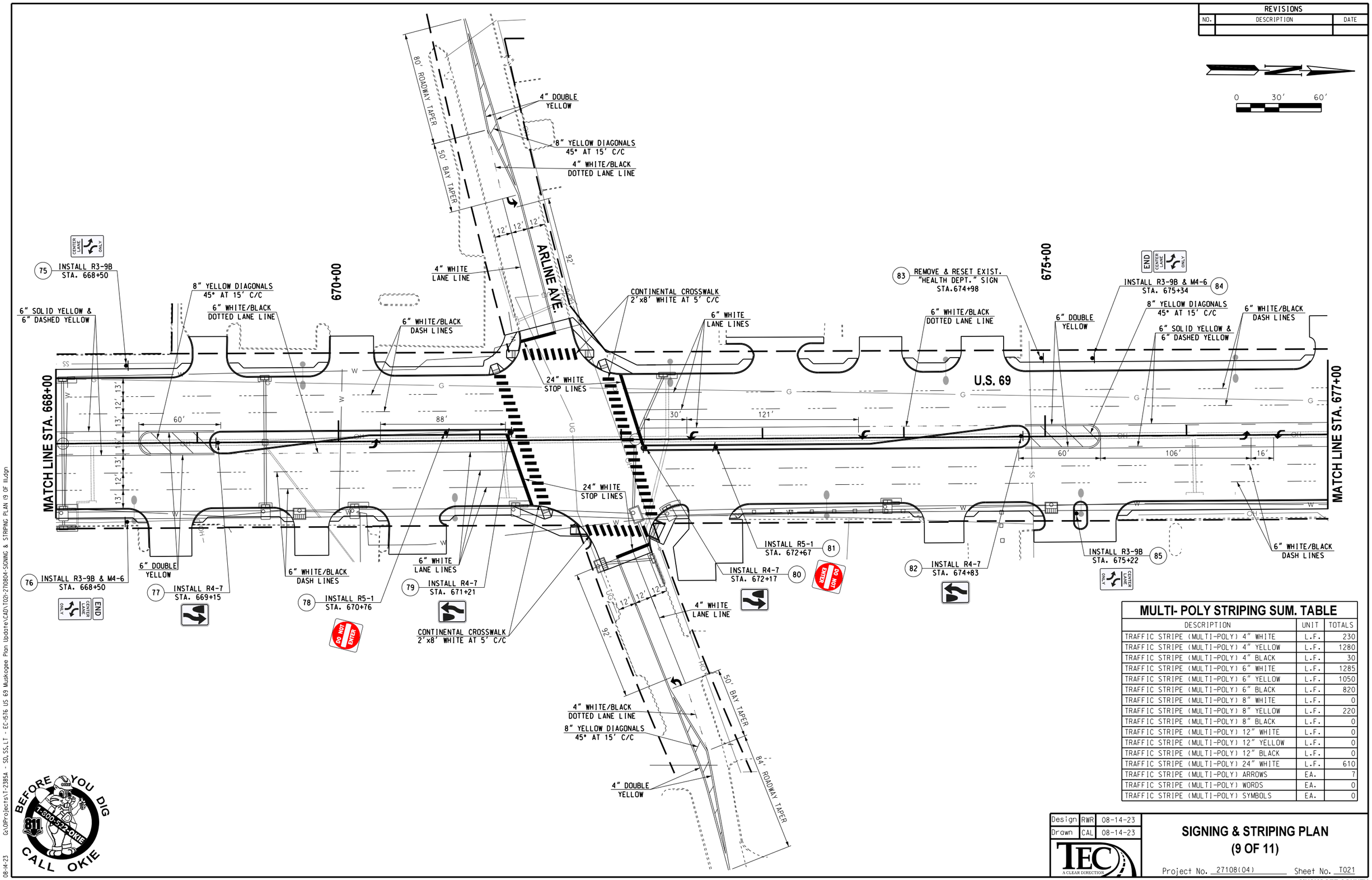
SIGNING & STRIPING PLAN (8 OF 11)

Project No. 27108(04) Sheet No. T020

MUSKOGEE COUNTY

08-14-23 G:\OIProjects\1-2385A - SD,SS,LT - EC-1576 US 69 Muskogee Plan Update\CAD\T020-27108(04)-SIGNING & STRIPING PLAN (8 OF 11).dgn

REVISIONS		
NO.	DESCRIPTION	DATE



MULTI- POLY STRIPING SUM. TABLE

DESCRIPTION	UNIT	TOTALS
TRAFFIC STRIPE (MULTI-POLY) 4" WHITE	L.F.	230
TRAFFIC STRIPE (MULTI-POLY) 4" YELLOW	L.F.	1280
TRAFFIC STRIPE (MULTI-POLY) 4" BLACK	L.F.	30
TRAFFIC STRIPE (MULTI-POLY) 6" WHITE	L.F.	1285
TRAFFIC STRIPE (MULTI-POLY) 6" YELLOW	L.F.	1050
TRAFFIC STRIPE (MULTI-POLY) 6" BLACK	L.F.	820
TRAFFIC STRIPE (MULTI-POLY) 8" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 8" YELLOW	L.F.	220
TRAFFIC STRIPE (MULTI-POLY) 8" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 24" WHITE	L.F.	610
TRAFFIC STRIPE (MULTI-POLY) ARROWS	EA.	7
TRAFFIC STRIPE (MULTI-POLY) WORDS	EA.	0
TRAFFIC STRIPE (MULTI-POLY) SYMBOLS	EA.	0

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

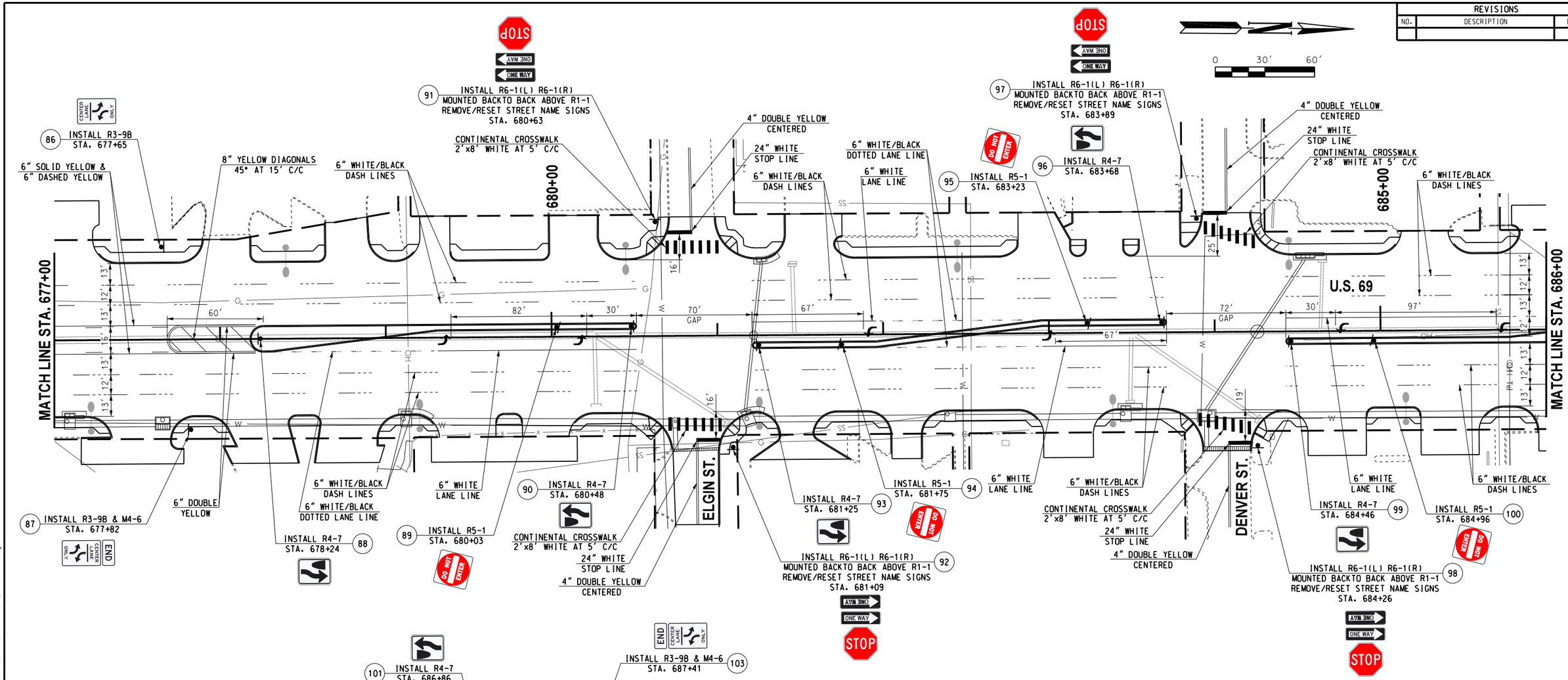
SIGNING & STRIPING PLAN
(9 OF 11)

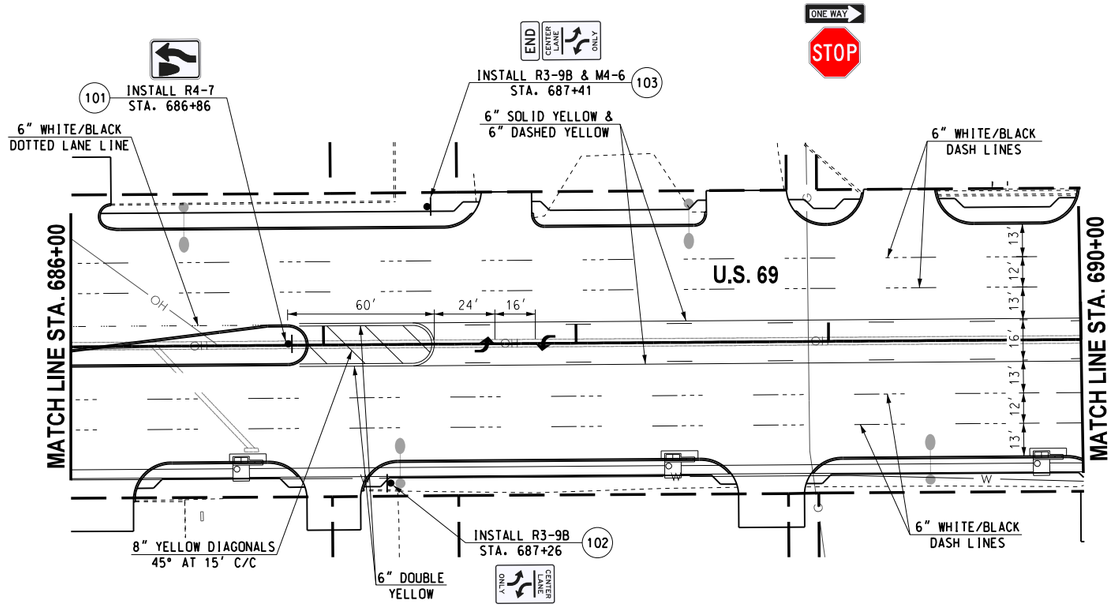
Project No. 27108(04) Sheet No. T021

MUSKOGEE COUNTY

08-14-23 G:\OIProjects\T-2385A - SD,SS,LT - EC-1576 US 69 Muskogee Plan Update\CAD\T021-270804-SIGNING & STRIPING PLAN 19 OF 11.dgn

REVISIONS		
NO.	DESCRIPTION	DATE





MULTI- POLY STRIPING SUM. TABLE

DESCRIPTION	UNIT	TOTALS
TRAFFIC STRIPE (MULTI-POLY) 4" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 4" YELLOW	L.F.	400
TRAFFIC STRIPE (MULTI-POLY) 4" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 6" WHITE	L.F.	1600
TRAFFIC STRIPE (MULTI-POLY) 6" YELLOW	L.F.	1220
TRAFFIC STRIPE (MULTI-POLY) 6" BLACK	L.F.	1200
TRAFFIC STRIPE (MULTI-POLY) 8" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 8" YELLOW	L.F.	140
TRAFFIC STRIPE (MULTI-POLY) 8" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 24" WHITE	L.F.	280
TRAFFIC STRIPE (MULTI-POLY) ARROWS	EA.	8
TRAFFIC STRIPE (MULTI-POLY) WORDS	EA.	0
TRAFFIC STRIPE (MULTI-POLY) SYMBOLS	EA.	0

BEFORE YOU DIG CALL OKIE 1-800-522-OKIE 811

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

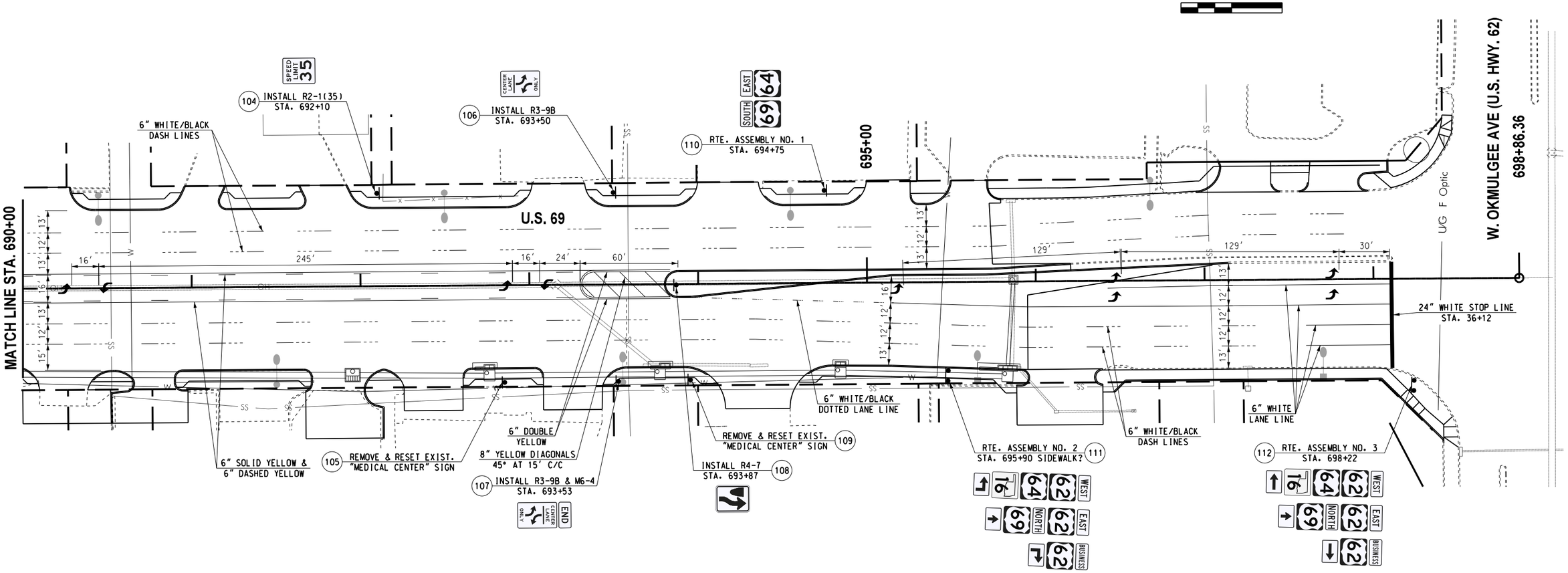
SIGNING & STRIPING PLAN (10 OF 11)

Project No. 27108(04) Sheet No. T022

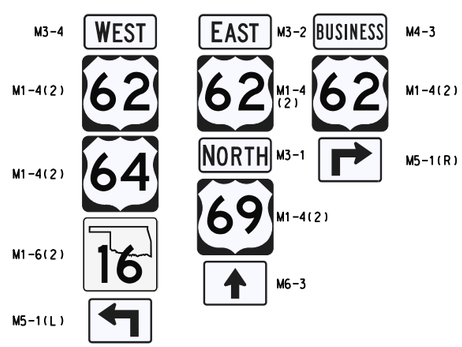
MUSKOGEE COUNTY

08-14-23 G:\0Projects\T-2385A - SD,SS,LT - EC-1576 US 69 Muskogee Plan Update\CAD\T022-27108(04)-SIGNING & STRIPING PLAN (10 OF 11).dgn

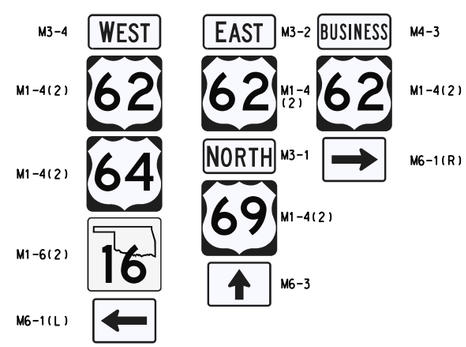
REVISIONS		
NO.	DESCRIPTION	DATE



ROUTE ASSEMBLY NO. 1
12.00 S.F.



ROUTE ASSEMBLY NO. 2
38.57 S.F.



ROUTE ASSEMBLY NO. 3
38.57 S.F.

MULTI- POLY STRIPING SUM. TABLE

DESCRIPTION	UNIT	TOTALS
TRAFFIC STRIPE (MULTI-POLY) 4" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 4" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 4" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 6" WHITE	L.F.	1330
TRAFFIC STRIPE (MULTI-POLY) 6" YELLOW	L.F.	1070
TRAFFIC STRIPE (MULTI-POLY) 6" BLACK	L.F.	790
TRAFFIC STRIPE (MULTI-POLY) 8" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 8" YELLOW	L.F.	70
TRAFFIC STRIPE (MULTI-POLY) 8" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" WHITE	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" YELLOW	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 12" BLACK	L.F.	0
TRAFFIC STRIPE (MULTI-POLY) 24" WHITE	L.F.	65
TRAFFIC STRIPE (MULTI-POLY) ARROWS	EA.	9
TRAFFIC STRIPE (MULTI-POLY) WORDS	EA.	0
TRAFFIC STRIPE (MULTI-POLY) SYMBOLS	EA.	0

BEFORE YOU DIG CALL OKIE 1-800-522-OKIE 811

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

SIGNING & STRIPING PLAN
(11 OF 11)

Project No. 27108(04) Sheet No. T023

MUSKOGEE COUNTY

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REVISIONS		
NO.	DESCRIPTION	DATE

LIGHT POLE SCHEDULE

LOCATION				FOOTING			POLE ASSEMBLY								
SHEET NO.	POLE NO.	STATION (CTR. OR REF. LINE)	DISTANCE BEHIND FACE OF CURB (FOC) OR EDGE LINE (EL) FT	TYPE	STRL. CONC. 804(A) CY	REINF. STL. 804(B) LB	B.BASE DESIGN NO.	POLE LENGTH FT	ARM NO. 1 FT	ARM NO. 2 FT	LUMINAIRES EA/WATT	IES DIST. TYPE	1/C NO 12 AWG TYPE THW FT	LIGHTNING ARRESTOR EA	REMARKS
T025	1	636+30	19.4	GMF 30 X 108	1.64	284	B	40	10	10	2 - 245	MS4	200	1	ROUND POLE-SEE GMF1-2-01
T025	2	638+40	16.8	GMF 30 X 108	1.64	284	B	40	10	10	2 - 245	MS4	200	1	ROUND POLE-SEE GMF1-2-01
T025	3	640+50	14.5	GMF 30 X 108	1.64	284	B	40	10	10	2 - 245	MS4	200		ROUND POLE-SEE GMF1-2-01
T025	4	642+60	14	GMF 30 X 108	1.64	284	B	40	10	10	2 - 245	MS4	200		ROUND POLE-SEE GMF1-2-01
T025	5	644+70	8	GMF 30 X 108	1.64	284	B	40	10	10	2 - 245	MS4	200		ROUND POLE-SEE GMF1-2-01
T025	6	647+20	2	GMF 30 X 108	1.64	284	B	40	10	10	2 - 245	MS4	200	1	ROUND POLE-SEE GMF1-2-01
T025	7	649+25	6.8	GMF 30 X 108	1.64	284	B	40	10	10	2 - 245	MS4	200		ROUND POLE-SEE GMF1-2-01
T025	8	651+30	8	GMF 30 X 108	1.64	284	B	40	10	10	2 - 245	MS4	200		ROUND POLE-SEE GMF1-2-01
T025	9	653+35	8	GMF 30 X 108	1.64	284	B	40	10	10	2 - 245	MS4	200		ROUND POLE-SEE GMF1-2-01
T025	10	655+40	8	GMF 30 X 108	1.64	284	B	40	10	10	2 - 245	MS4	200	1	ROUND POLE-SEE GMF1-2-01
T025	11	657+45	9 LT	GMF 30 X 108	1.64	284		40	10		1 - 245	MS4	100		ROUND POLE-SEE GMF1-2-01
T025	12	657+60	9 RT	GMF 30 X 108	1.64	284		40	10		1 - 245	MS4	100		ROUND POLE-SEE GMF1-2-01
T025	13	659+50	9 LT	GMF 30 X 108	1.64	284		40	10		1 - 245	MS4	100		ROUND POLE-SEE GMF1-2-01
T025	14	659+80	9 RT	GMF 30 X 108	1.64	284		40	10		1 - 245	MS4	100	1	ROUND POLE-SEE GMF1-2-01
T025	15	661+55	9 LT	GMF 30 X 108	1.64	284		40	10		1 - 245	MS4	100		ROUND POLE-SEE GMF1-2-01
T025	16	662+00	12 RT	GMF 30 X 108	1.64	284		40	10		1 - 245	MS4	100		ROUND POLE-SEE GMF1-2-01
T025	17	663+60	9 LT	GMF 30 X 108	1.64	284		40	10		1 - 245	MS4	100	1	ROUND POLE-SEE GMF1-2-01
T025	18	664+20	9 RT	GMF 30 X 108	1.64	284		40	10		1 - 245	MS4	100	1	ROUND POLE-SEE GMF1-2-01
T026	19	665+65	9 LT	GMF 30 X 108	1.64	284		40	10		1 - 245	MS4	100		ROUND POLE-SEE GMF1-2-01
T026	20	666+40	9 RT	GMF 30 X 108	1.64	284		40	10		1 - 245	MS4	100	1	ROUND POLE-SEE GMF1-2-01
T026	21	667+70	9 LT	GMF 30 X 108	1.64	284		40	10		1 - 245	MS4	100		ROUND POLE-SEE GMF1-2-01
T026	22	668+55	9 RT	GMF 30 X 108	1.64	284		40	10		1 - 245	MS4	100	1	ROUND POLE-SEE GMF1-2-01
T026	23	669+75	9 LT	GMF 30 X 108	1.64	284		40	10		1 - 245	MS4	100	1	ROUND POLE-SEE GMF1-2-01
T026	24	670+82	9 RT	GMF 30 X 108	1.64	284		40	10		1 - 245	MS4	100		ROUND POLE-SEE GMF1-2-01
T026	25	672+35	9 LT	GMF 30 X 108	1.64	284		40	10		1 - 245	MS4	100		ROUND POLE-SEE GMF1-2-01
T026	26	673+45	9 RT	GMF 30 X 108	1.64	284		40	10		1 - 245	MS4	100		ROUND POLE-SEE GMF1-2-01
T026	27	674+30	9 LT	GMF 30 X 108	1.64	284		40	10		1 - 245	MS4	100		ROUND POLE-SEE GMF1-2-01
T026	28	675+25	9 RT	GMF 30 X 108	1.64	284		40	10		1 - 245	MS4	100		ROUND POLE-SEE GMF1-2-01
T026	29	676+35	9 LT	GMF 30 X 108	1.64	284		40	10		1 - 245	MS4	100	1	ROUND POLE-SEE GMF1-2-01
T026	30	677+22	9 RT	GMF 30 X 108	1.64	284		40	10		1 - 245	MS4	100		ROUND POLE-SEE GMF1-2-01
T026	31	678+40	9 LT	GMF 30 X 108	1.64	284		40	10		1 - 245	MS4	100		ROUND POLE-SEE GMF1-2-01
T026	32	679+20	9 RT	GMF 30 X 108	1.64	284		40	10		1 - 245	MS4	100		ROUND POLE-SEE GMF1-2-01
T026	33	680+45	9 LT	GMF 30 X 108	1.64	284		40	10		1 - 245	MS4	100		ROUND POLE-SEE GMF1-2-01
T026	34	681+25	9 RT	GMF 30 X 108	1.64	284		40	10		1 - 245	MS4	100		ROUND POLE-SEE GMF1-2-01
T026	35	682+45	9 LT	GMF 30 X 108	1.64	284		40	10		1 - 245	MS4	100	1	ROUND POLE-SEE GMF1-2-01
T026	36	683+38	9 RT	GMF 30 X 108	1.64	284		40	10		1 - 245	MS4	100	1	ROUND POLE-SEE GMF1-2-01
T026	37	684+45	9 LT	GMF 30 X 108	1.64	284		40	10		1 - 245	MS4	100		ROUND POLE-SEE GMF1-2-01
T026	38	685+15	9 RT	GMF 30 X 108	1.64	284		40	10		1 - 245	MS4	100		ROUND POLE-SEE GMF1-2-01
T026	39	686+45	9 LT	GMF 30 X 108	1.64	284		40	10		1 - 245	MS4	100	1	ROUND POLE-SEE GMF1-2-01
T026	40	687+30	9 RT	GMF 30 X 108	1.64	284		40	10		1 - 245	MS4	100		ROUND POLE-SEE GMF1-2-01
T026	41	688+45	9 LT	GMF 30 X 108	1.64	284		40	10		1 - 245	MS4	100		ROUND POLE-SEE GMF1-2-01
T026	42	689+40	9 RT	GMF 30 X 108	1.64	284		40	10		1 - 245	MS4	100		ROUND POLE-SEE GMF1-2-01
T026	43	690+45	9 LT	GMF 30 X 108	1.64	284		40	10		1 - 245	MS4	100	1	ROUND POLE-SEE GMF1-2-01
T026	44	691+50	9 RT	GMF 30 X 108	1.64	284		40	10		1 - 245	MS4	100		ROUND POLE-SEE GMF1-2-01
T026	45	692+50	9 LT	GMF 30 X 108	1.64	284		40	10		1 - 245	MS4	100		ROUND POLE-SEE GMF1-2-01
T026	46	693+55	9 RT	GMF 30 X 108	1.64	284		40	10		1 - 245	MS4	100		ROUND POLE-SEE GMF1-2-01
T026	47	694+55	9 LT	GMF 30 X 108	1.64	284		40	10		1 - 245	MS4	100	1	ROUND POLE-SEE GMF1-2-01
T026	48	695+65	7.5 RT	GMF 30 X 108	1.64	284	B	40	10		1 - 245	MS4	100	1	ROUND POLE-SEE GMF1-2-01
T026	49	696+68	9 LT	GMF 30 X 108	1.64	284		40	10		1 - 245	MS4	100	1	ROUND POLE-SEE GMF1-2-01
T026	50	697+70	6.5 RT	GMF 30 X 108	1.64	284	B	40	10		1 - 245	MS4	100	1	ROUND POLE-SEE GMF1-2-01
				TOTALS	82.00	14200.00	12	40 - 40' ROUND POLES - 1 LUM MAST ARM 10 - 40' ROUND POLES - 2 LUM MAST ARM			60-245		6000	19	

SERVICE POLE SCHEDULE

SHEET NO.	SERVICE POLE NO.	LOCATION STATION (CTR. OR REF. LINE) (I-40)	TYPE	SECONDARY VOLTAGE & NO. PHASE	CONTROLLER RATING QUANTITY	NO. OF CONTACTS	AMP RATE OF CONTACTS	CIRCUIT LOADING CIRCUIT ID	EST. AMPS PER CIR.	MIN. FUSE AMP/CIR.	VOLTAGE DROP %	WOOD POLE N=NEW E=EX.	TOTAL LENGTH FT	CLASS	METER EQUIP. IM=INSTALL METER BASE NM=NOT METERED	DISCONNECT SWITCH 100 AMP	REMARKS
T025	1	STA. 671+75	UG/1	480-2	2	4	60	A	6.18	20	2.38	N	35	6	IM	YES	
		CLOSE TO ROW					60	B	4.81	20	1.32						
							60	C	5.27	20	2.05	N	35	6	IM	YES	

Design	RWR	08-14-23
Drawn	SB	08-14-23

TEC A CLEAR DIRECTION

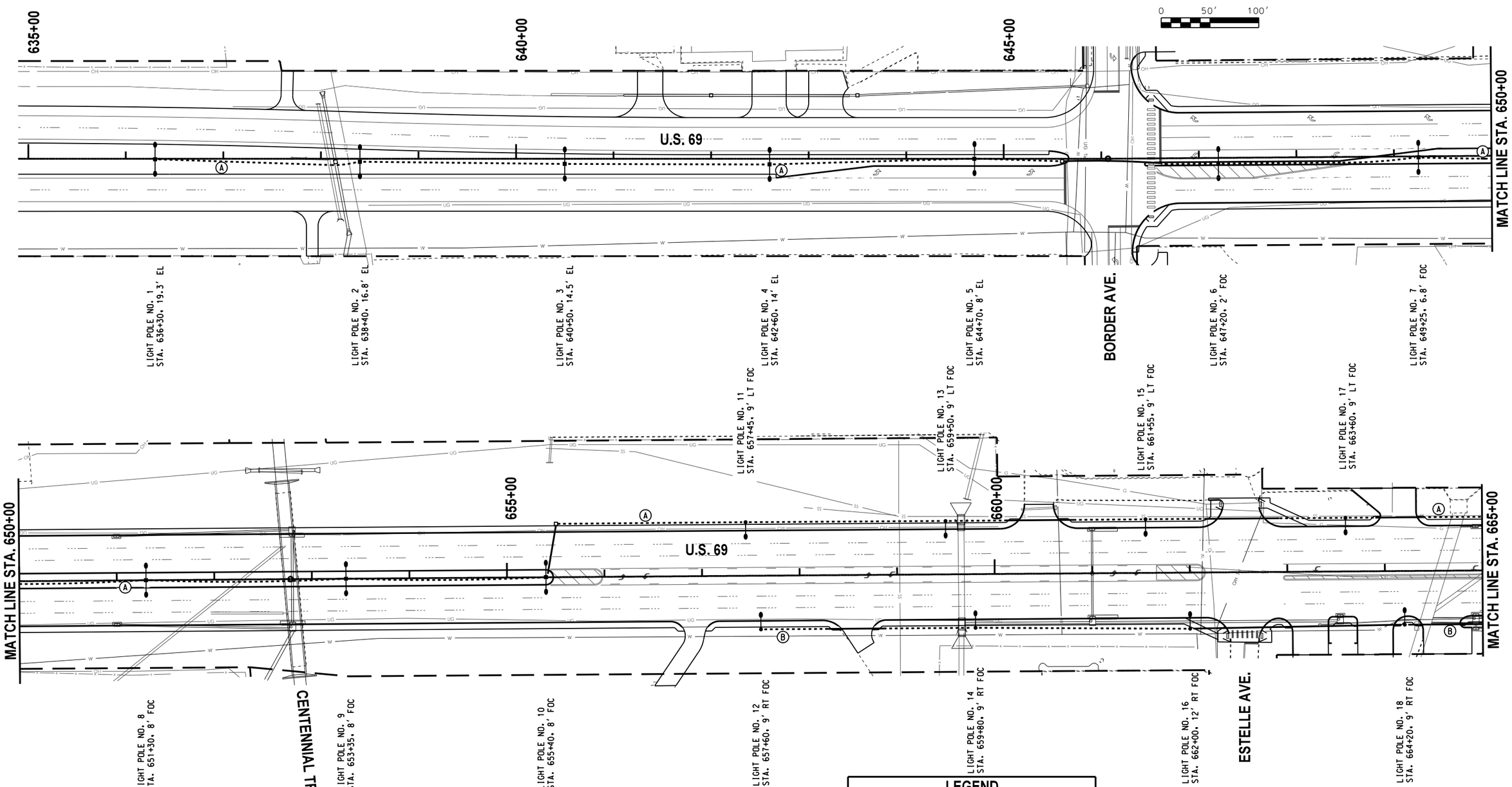
LIGHTING SCHEDULES

State Job No. 27108(04) Sheet No. T024

MUSKOGEE COUNTY

08-14-23 G:\0Projects\T-2385A - SD,SS,LT - EC-1576 US 69 Muskogee Plan Update\CAD\T024-27108d4-LIGHTING SCHEDULES.dgn

REVISIONS		
NO.	DESCRIPTION	DATE



LEGEND

- $1\frac{1}{4}$" ELECT. CONDUIT (EXPOSED)
- 2" ELECT. PVC CONDUIT (TRENCHED)
- 2" ELECT. CONDUIT (BORED)
- 2" ELECT. PVC CONDUIT (HDPE) IN BARRIER
- EXISTING CONDUIT
- SPECIAL BARRIER WALL PULL BOX
- SIZE I PULL BOX
- ELECTRIC SERVICE LOCATION
- (A) CIRCUIT DESIGNATION
- LIGHT POLE W/O BREAKAWAY BASE
- LIGHT POLE W/ BREAKAWAY BASE
- TWIN LIGHT POLE W/O BREAKAWAY BASE
- TWIN LIGHT POLE W/ BREAKAWAY BASE

BEFORE YOU DIG CALL OKIE 811 1-800-522-OKIE

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

LIGHTING PLAN (1 OF 2)

Project No. 27108(04) Sheet No. T025

MUSKOGEE COUNTY

08-14-23 G:\0Projects\T-2385A - SD,SS,LT - EC-1576 US 69 Muskogee Plan Update\CAD\T025-270804-LIGHTING PLAN (1OF 2).dgn

REVISIONS		
NO.	DESCRIPTION	DATE

0 50' 100'

MATCH LINE STA. 665+00

LIGHT POLE NO. 19 STA. 665+65, 9' LT FOC

LIGHT POLE NO. 21 STA. 667+70, 9' LT FOC

LIGHT POLE NO. 23 STA. 669+75, 9' LT FOC

670+00

SERVICE POLE NO. 1 STA. 671+75, 74' LT

LIGHT POLE NO. 25 STA. 672+35, 9' LT FOC

LIGHT POLE NO. 27 STA. 674+30, 9' LT FOC

675+00

LIGHT POLE NO. 29 STA. 676+35, 9' LT FOC

LIGHT POLE NO. 31 STA. 678+40, 9' LT FOC

MATCH LINE STA. 680+00

U.S. 69

PARKING LOT OVER HEAD LIGHTING CABLE

LIGHT POLE NO. 20 STA. 666+40, 9' RT FOC

LIGHT POLE NO. 22 STA. 668+55, 9' RT FOC

LIGHT POLE NO. 24 STA. 670+82, 9' RT FOC

ARLINE AVE.

LIGHT POLE NO. 26 STA. 673+45, 9' RT FOC

LIGHT POLE NO. 28 STA. 675+25, 9' RT FOC

LIGHT POLE NO. 30 STA. 677+22, 9' RT FOC

LIGHT POLE NO. 32 STA. 679+20, 9' RT FOC

MATCH LINE STA. 680+00

LIGHT POLE NO. 33 STA. 680+45, 9' LT FOC

LIGHT POLE NO. 35 STA. 682+45, 9' LT FOC

LIGHT POLE NO. 37 STA. 684+45, 9' LT FOC

685+00

LIGHT POLE NO. 39 STA. 686+45, 9' LT FOC

LIGHT POLE NO. 41 STA. 688+45, 9' LT FOC

690+00

LIGHT POLE NO. 43 STA. 690+45, 9' LT FOC

LIGHT POLE NO. 45 STA. 692+50, 9' LT FOC

LIGHT POLE NO. 47 STA. 694+55, 9' LT FOC

U.S. 69

MATCH LINE STA. 695+00

ELGIN ST.

LIGHT POLE NO. 34 STA. 681+25, 9' RT FOC

LIGHT POLE NO. 36 STA. 683+38, 9' RT FOC

DENVER AVE.

LIGHT POLE NO. 49 STA. 696+68, 9' LT FOC

LIGHT POLE NO. 38 STA. 685+15, 9' RT FOC

LIGHT POLE NO. 40 STA. 687+30, 9' RT FOC

LIGHT POLE NO. 42 STA. 689+40, 9' RT FOC

LIGHT POLE NO. 44 STA. 691+50, 9' RT FOC

LIGHT POLE NO. 46 STA. 693+55, 9' RT FOC

MATCH LINE STA. 695+00

UG F Optic

W. OKMULGEE AVE.

698+86

U.S. 69

LIGHT POLE NO. 48 STA. 695+65, 7.5' RT FOC

LIGHT POLE NO. 50 STA. 697+70, 6.5' RT FOC

LEGEND

- $1^1/_4$" ELECT. CONDUIT (EXPOSED)
- 2" ELECT. PVC CONDUIT (TRENCHED)
- 2" ELECT. CONDUIT (BORED)
- 2" ELECT. PVC CONDUIT (HDPE) IN BARRIER
- EXISTING CONDUIT
- SPECIAL BARRIER WALL PULL BOX
- SIZE I PULL BOX
- ELECTRIC SERVICE LOCATION
- (A) CIRCUIT DESIGNATION
- LIGHT POLE W/O BREAKAWAY BASE
- LIGHT POLE W/ BREAKAWAY BASE
- TWIN LIGHT POLE W/O BREAKAWAY BASE
- TWIN LIGHT POLE W/ BREAKAWAY BASE

BEFORE YOU DIG CALL OKIE 1-800-522-OKIE 811

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

LIGHTING PLAN (2 OF 2)

Project No. 27108(04) Sheet No. T026

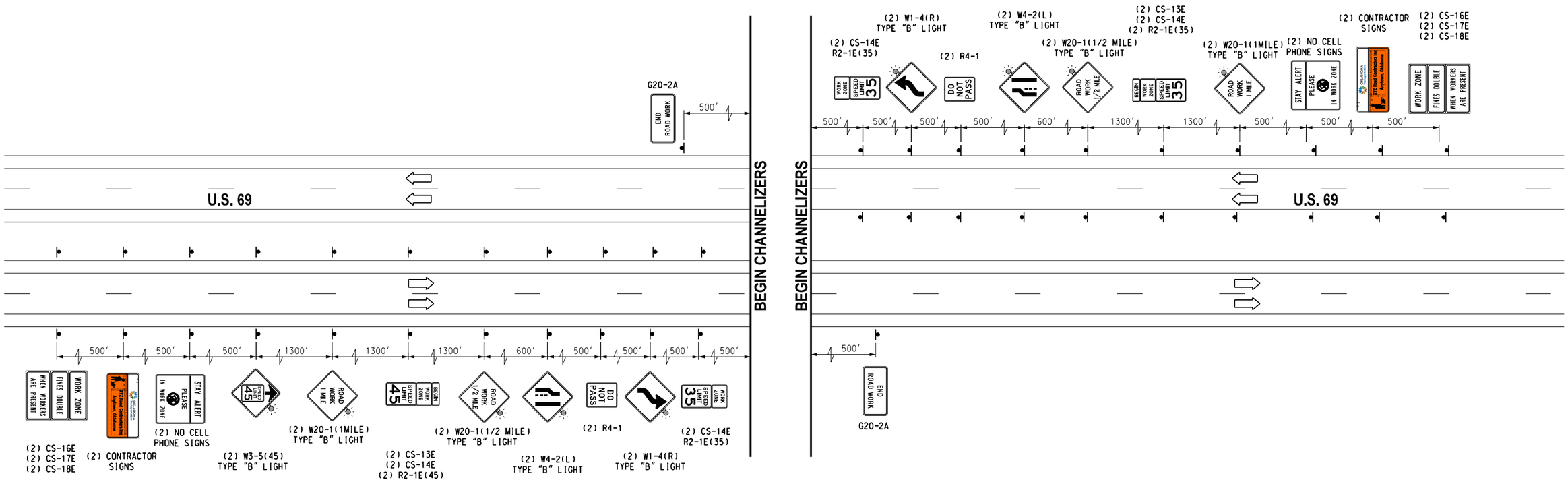
MUSKOGEE COUNTY

08-14-23 G:\0Projects\T-2385A - SD,SS,LT - EC-1516 US 69 Muskogee Plan Update\CAD\T026-270804-LIGHTING PLAN (2 OF 2).dgn

REVISIONS		
NO.	DESCRIPTION	DATE

CONTRACTOR SIGN **CONTRACTOR SUPPLEMENTAL PLAQUES**

FOR MORE INFORMATION AND SPECIFICATIONS SEE LINK BELOW:
https://oklahoma.gov/content/dam/ok/en/odot/traffic/Contractor%20Sign%20-%20Color.pdf



Phase 1.0 - U.S. Highway 69
Close inner south/north bound lanes. Shift Southbound and Northbound traffic to outside lanes traffic. Begin incidental construction operations removal of exist median and construction of Crossover No.1 from Sta. 562+00 to Sta. 566+50 (Typical Section No. 4).

DRAWING NOT TO SCALE

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

TYPICAL ADVANCE WARNING SIGNS PHASE 1.0

State Job No. 2710804 Sheet No. T027

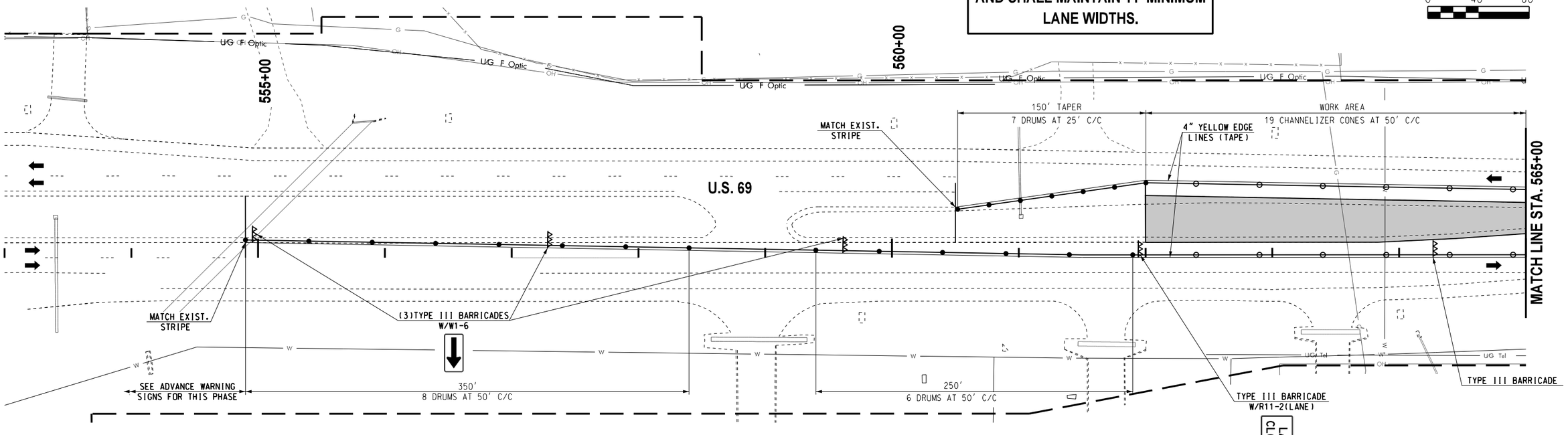
MUSKOGEE COUNTY

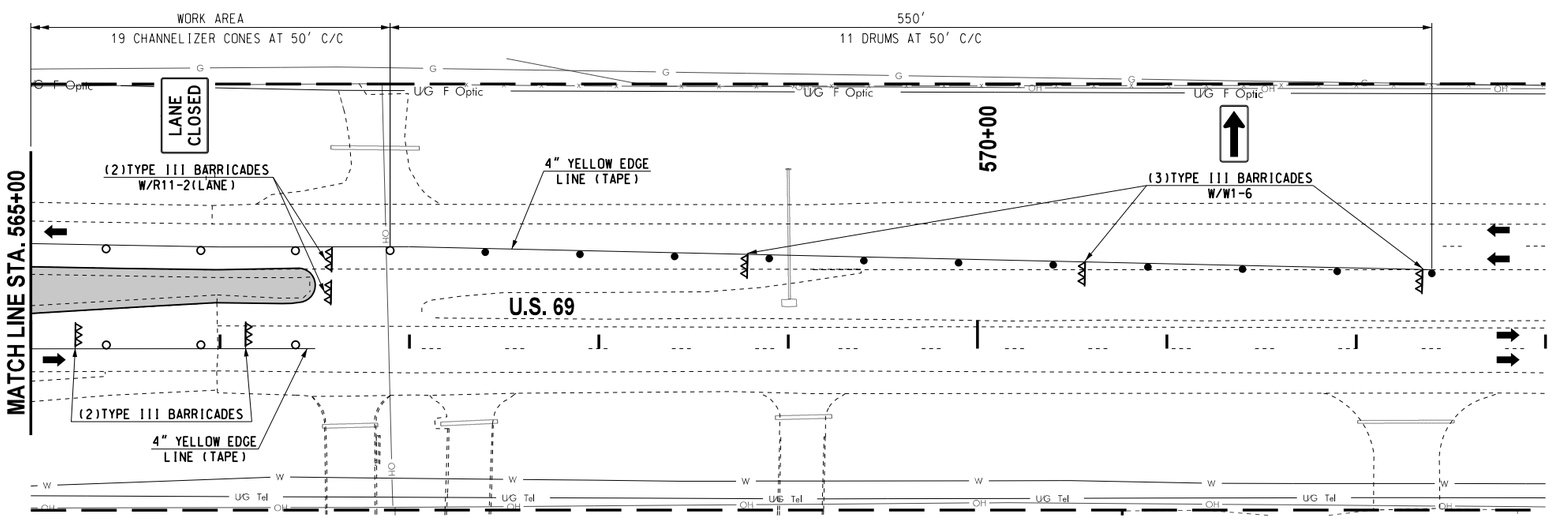
08-14-23 G:\OKProjects\1-2385A - SD,SS,LT - EC-1576 US 69 Muskogee Plan Update\CAD\T027-2710804-TYPICAL ADVANCE WARNING SIGNS PHASE 1.0.dgn

REVISIONS		
NO.	DESCRIPTION	DATE

CONTRACTOR SHALL BUILD ALL STREETS AND DRIVEWAYS HALF AT A TIME AS TO ALLOW ACCESS, AND SHALL MAINTAIN 11' MINIMUM LANE WIDTHS.

0 40' 80'





LEGEND

- TYPE III BARRICADE W/ TWO TYPE "B" LIGHTS
- ARROW DISPLAY (TYPE C)
- VERTICAL PANEL
- DRUM
- CHANNELIZER CONE
- TUBE CHANNELIZER
- PORTABLE LONGITUDINAL BARRIER
- CONSTRUCTION ZONE IMPACT ATTENUATOR
- WORK AREA

BEFORE YOU DIG CALL OKIE 1-800-522-OKIE 811

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

TRAFFIC CONTROL PLAN PHASE 1.0 (1 OF 2)

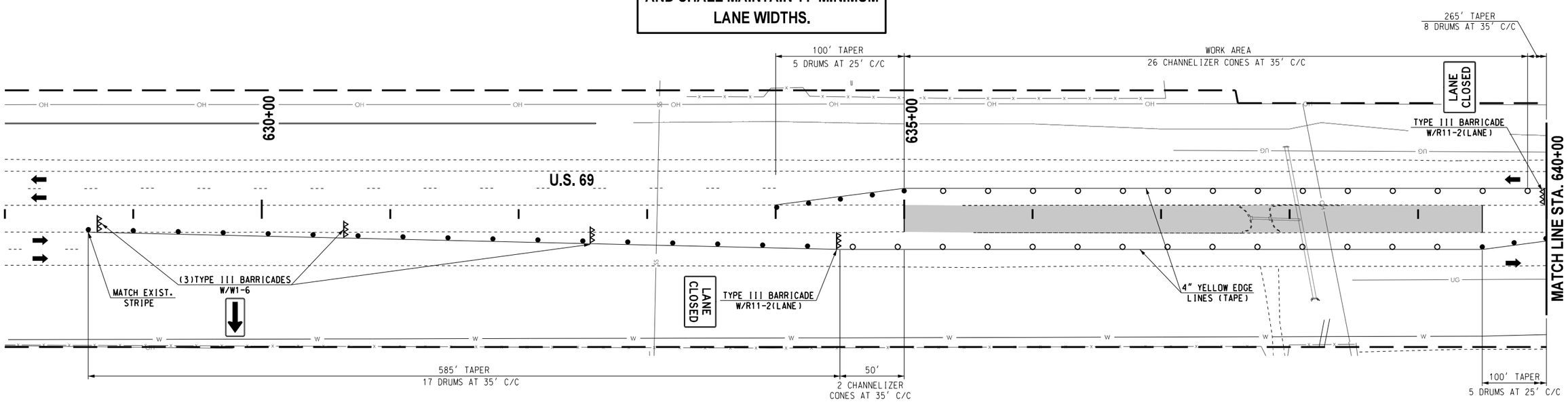
Project No. 2710804 Sheet No. T028

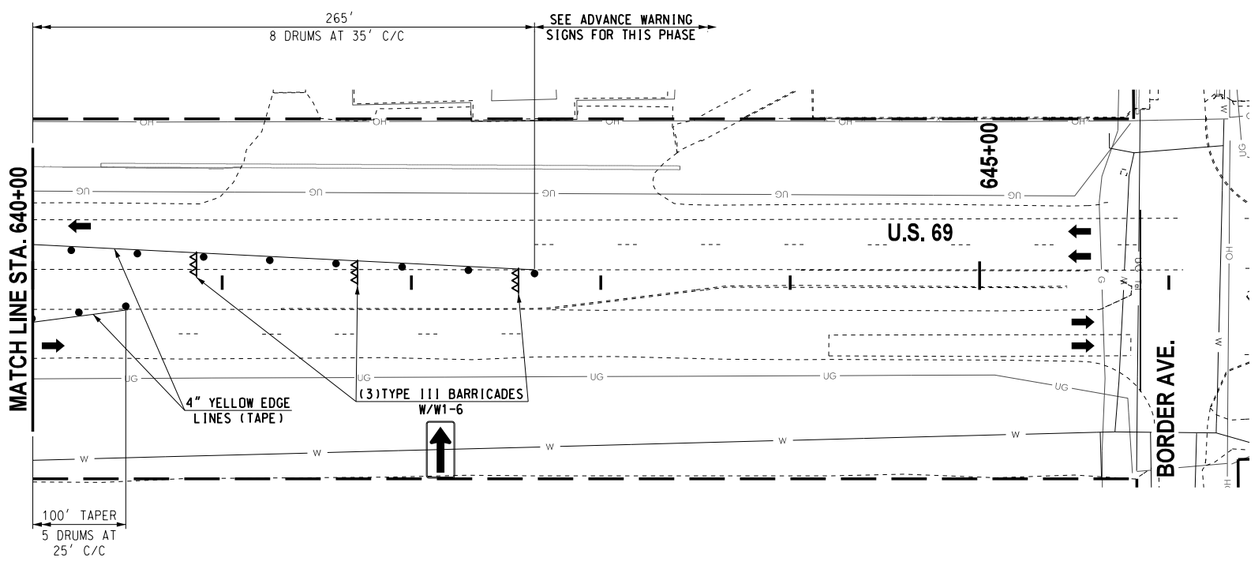
MUSKOGEE COUNTY

08-14-23 G:\OIProjects\T-2385A - SD,SS,LT - EC-1576 US 69 Muskogee Plan Update\CAD\T028-2710804-TRAFFIC CONTROL PLAN PHASE 1.0 (1OF 2).dgn

REVISIONS		
NO.	DESCRIPTION	DATE

CONTRACTOR SHALL BUILD ALL STREETS AND DRIVEWAYS HALF AT A TIME AS TO ALLOW ACCESS, AND SHALL MAINTAIN 11' MINIMUM LANE WIDTHS.





LEGEND

- TYPE III BARRICADE W/ TWO TYPE "B" LIGHTS
- ARROW DISPLAY (TYPE C)
- VERTICAL PANEL
- DRUM
- CHANNELIZER CONE
- TUBE CHANNELIZER
- PORTABLE LONGITUDINAL BARRIER
- CONSTRUCTION ZONE IMPACT ATTENUATOR
- WORK AREA

BEFORE YOU DIG CALL OKIE 811 1-800-522-OKIE

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

TRAFFIC CONTROL PLAN PHASE 1.0 (2 OF 2)

Project No. 2710804 Sheet No. T029

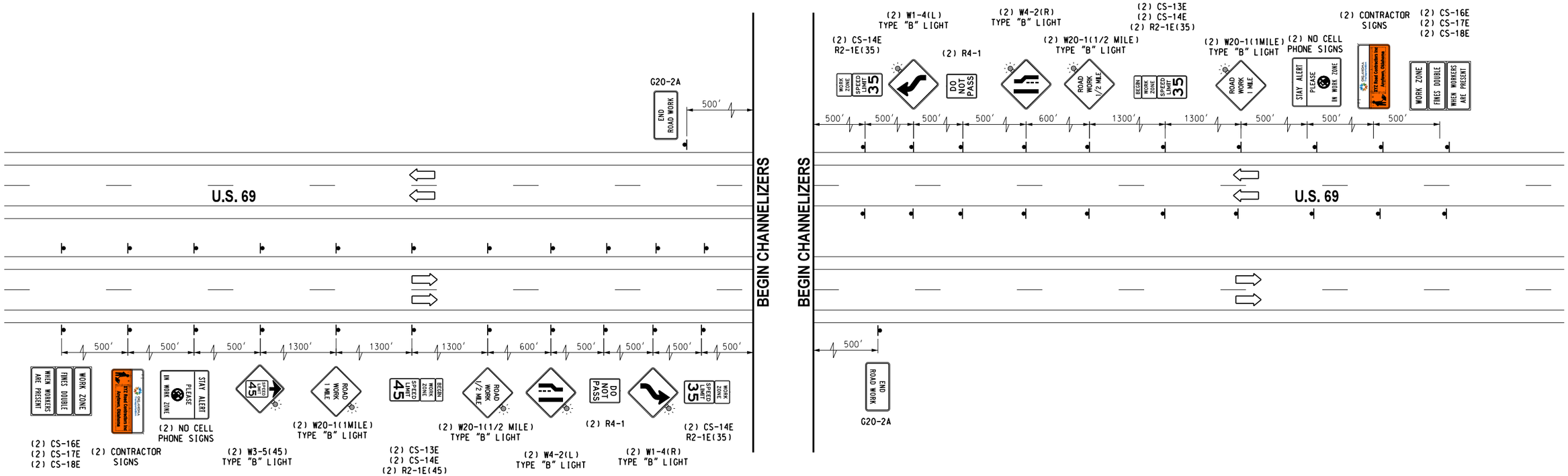
MUSKOGEE COUNTY

08-14-23 G:\0Projects\T-2385A - SD,SS,LT - EC-1576 US 69 Muskogee Plan Update\CAD\T029-2710804-TRAFFIC CONTROL PLAN PHASE 1.0 (2 OF 2).dgn

REVISIONS		
NO.	DESCRIPTION	DATE

CONTRACTOR SIGN **CONTRACTOR SUPPLEMENTAL PLAQUES**

FOR MORE INFORMATION AND SPECIFICATIONS SEE LINK BELOW:
https://oklahoma.gov/content/dam/ok/en/odot/traffic/Contractor%20Sign%20-%20Color.pdf



Phase 1.1 - U.S. Highway 69
Shift southbound traffic to northbound traffic inside driving lane. From Sta. 635+00 to Sta 656+00. Keep northbound traffic in the outside driving lane. Install southbound drainage structures No. 1 & No. 3, side structures No. S24 & S25. Construct southbound Proposed curbs, gutters, sidewalks, & Driveways. Construct southbound intersection return and handicap ramps. Perform grading place Fabric, Agg. Base, prime coat, Cement Base. tack coat, and paving operations in southbound traffic lanes and shoulder from Sta. 642+00 to Sta. 656+46+06.85 (Typical Section No. 1) and Sta. 646+06.86 to Sta. 556+00.00 (Typical Section No. 3).

DRAWING NOT TO SCALE

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

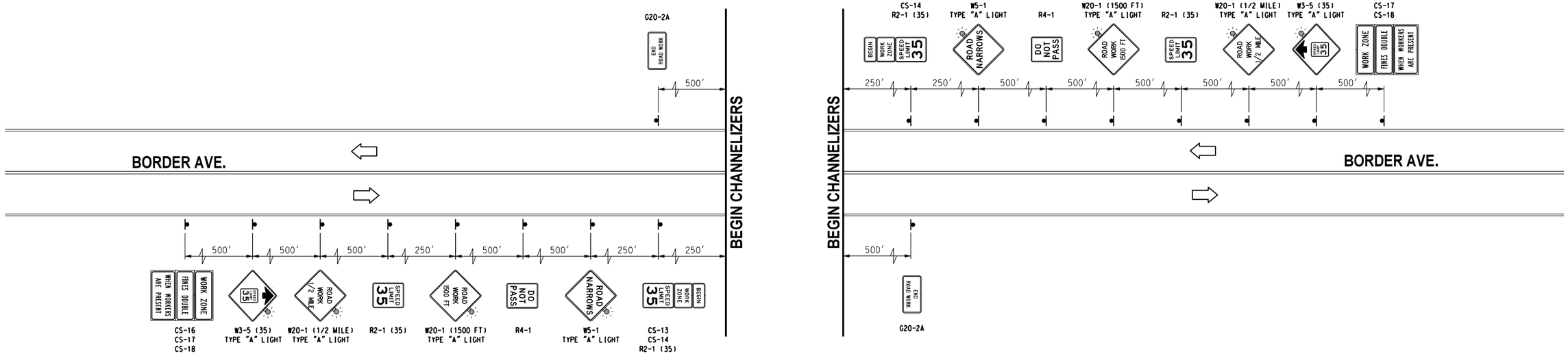
TYPICAL ADVANCE WARNING SIGNS PHASE 1.1 (U.S. 69)

State Job No. 2710804 Sheet No. T030

MUSKOGEE COUNTY

08-14-23 G:\OProjects\1-2385A - SD,SS,LT - EC-1576 US 69 Muskogee Plan Update\CAD\T030-2710804-TYPICAL ADVANCE WARNING SIGNS PHASE 1.U.S. 69.dgn

REVISIONS		
NO.	DESCRIPTION	DATE



DRAWING NOT TO SCALE

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

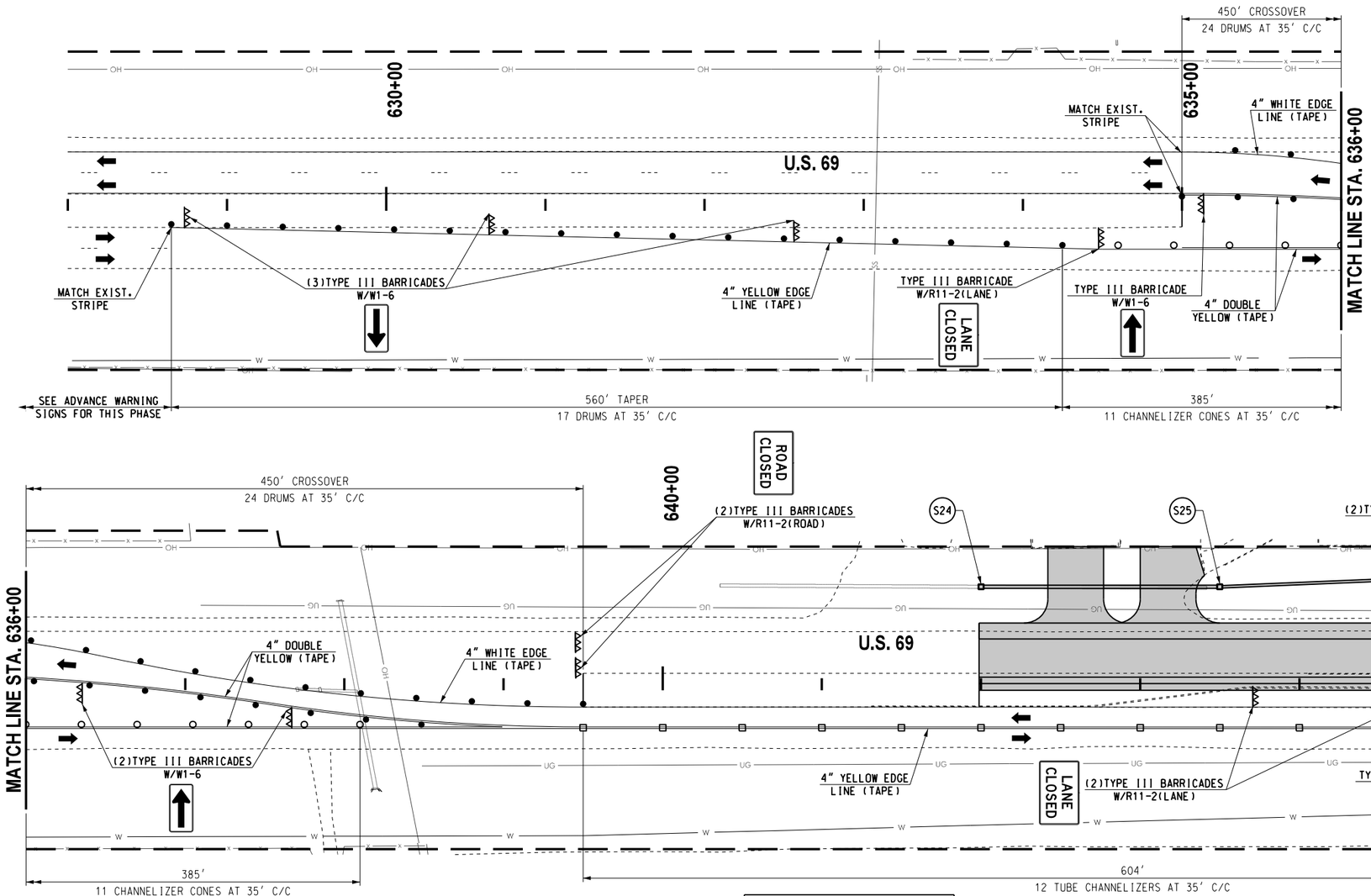
TYPICAL ADVANCE WARNING SIGNS PHASE 1.1 (BORDER AVE.)

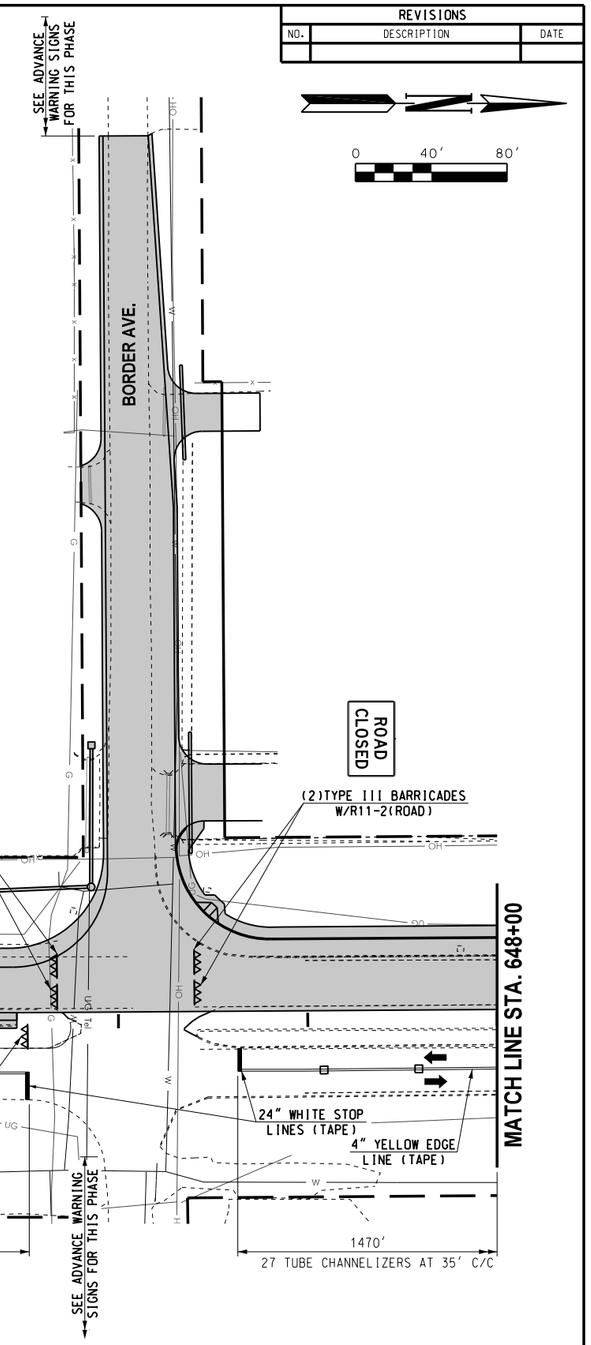
State Job No. 2710804 Sheet No. T031

MUSKOGEE COUNTY

08-14-23 G:\0Projects\T-2385A - SD,SS,LT - EC-1516 US 69 Muskogee Plan Update\CAD\T031-2710804-TYPICAL ADVANCE WARNING SIGNS PHASE 1.1BORDER AVE..dgn

CONTRACTOR SHALL BUILD ALL STREETS AND DRIVEWAYS HALF AT A TIME AS TO ALLOW ACCESS, AND SHALL MAINTAIN 10' MINIMUM LANE WIDTHS.





LEGEND

- TYPE III BARRICADE W/ TWO TYPE "B" LIGHTS
- ARROW DISPLAY (TYPE C)
- VERTICAL PANEL
- DRUM
- CHANNELIZER CONE
- TUBE CHANNELIZER
- PORTABLE LONGITUDINAL BARRIER
- CONSTRUCTION ZONE IMPACT ATTENUATOR
- WORK AREA

BEFORE YOU DIG CALL OKIE 811 1-800-522-OKIE

REVISIONS		
NO.	DESCRIPTION	DATE

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

TRAFFIC CONTROL PLAN PHASE 1.1 (1 OF 2)

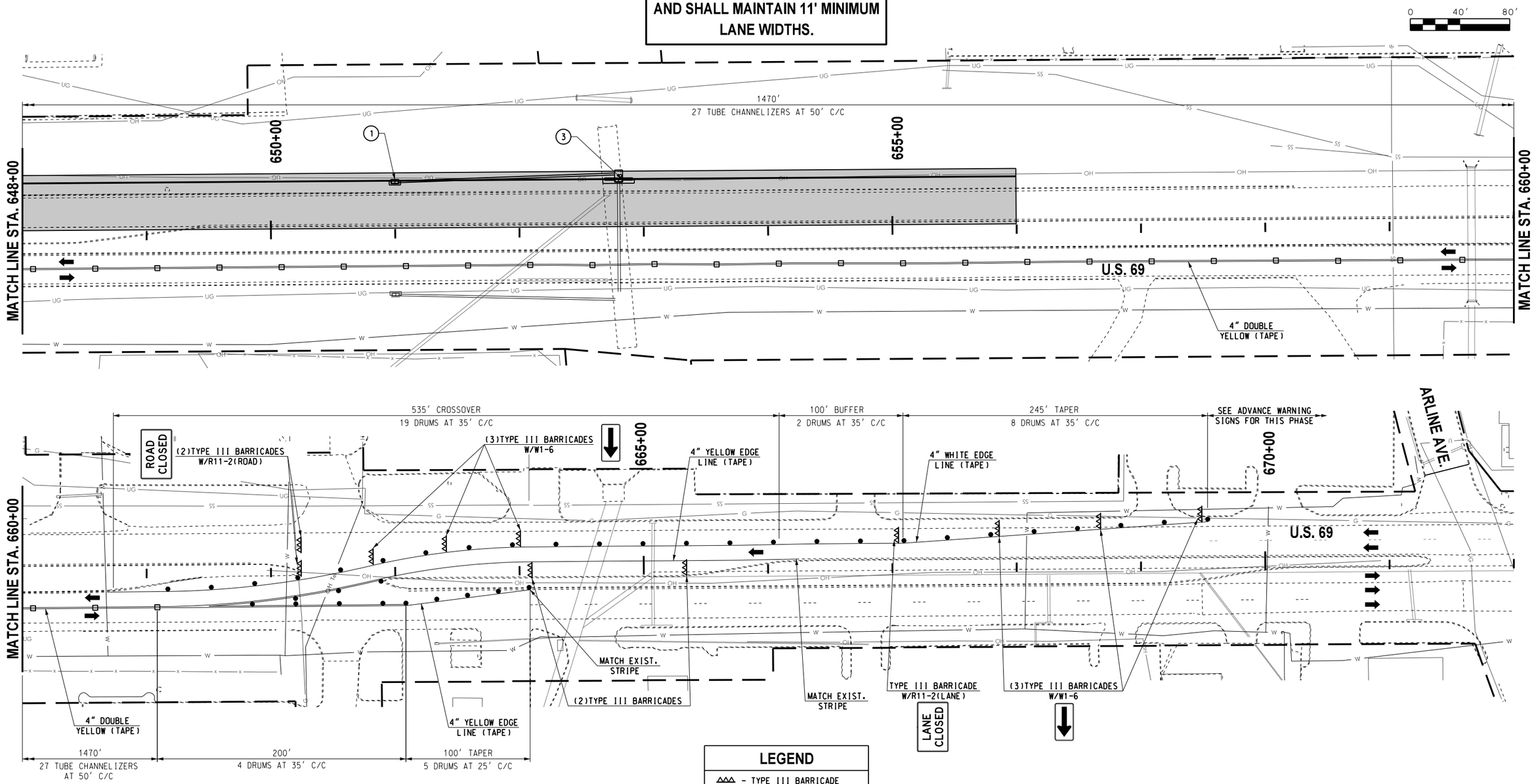
Project No. 2710804 Sheet No. T032

MUSKOGEE COUNTY

08-14-23 G:\DProjects\T-2385A - SD,SS,LT - EC-1576 US 69 Muskogee Plan Update\CAD\T032-2710804-TRAFFIC CONTROL PLAN PHASE 1.1(1OF 2).dgn

REVISIONS		
NO.	DESCRIPTION	DATE

CONTRACTOR SHALL BUILD ALL STREETS AND DRIVEWAYS HALF AT A TIME AS TO ALLOW ACCESS, AND SHALL MAINTAIN 11' MINIMUM LANE WIDTHS.



LEGEND

- TYPE III BARRICADE W/ TWO TYPE "B" LIGHTS
- ARROW DISPLAY (TYPE C)
- VERTICAL PANEL
- DRUM
- CHANNELIZER CONE
- TUBE CHANNELIZER
- PORTABLE LONGITUDINAL BARRIER
- CONSTRUCTION ZONE IMPACT ATTENUATOR
- WORK AREA

BEFORE YOU DIG CALL OKIE 811 1-800-522-OKIE

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

TRAFFIC CONTROL PLAN PHASE 1.1 (2 OF 2)

Project No. 2710804 Sheet No. T033

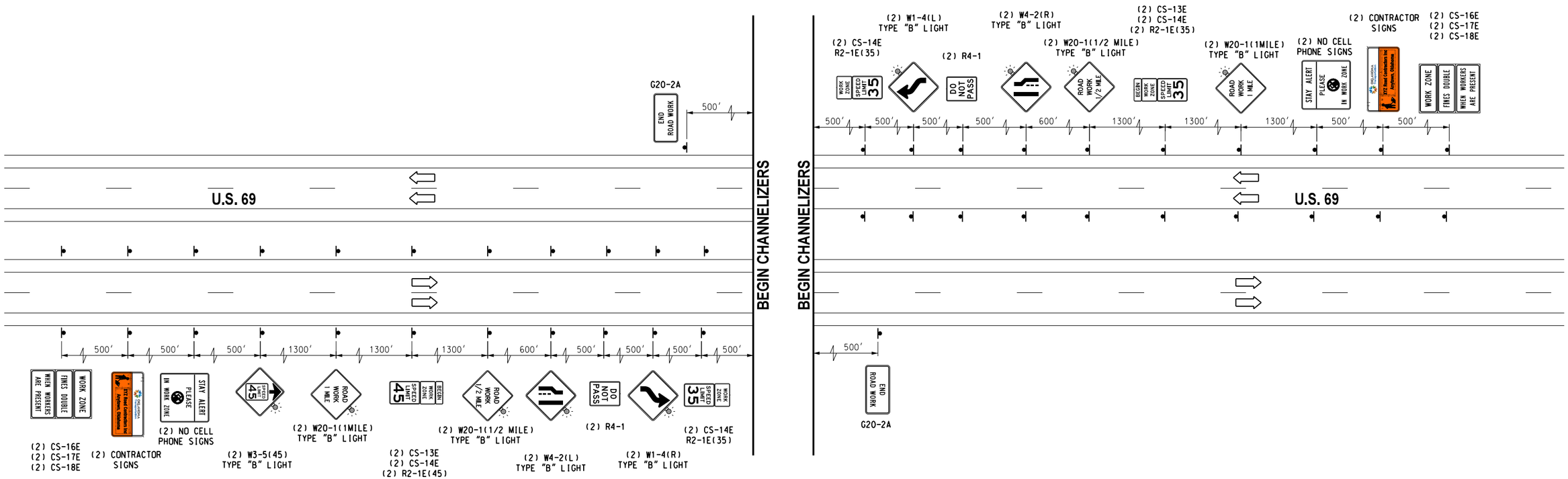
MUSKOGEE COUNTY

08-14-23 G:\OIProjects\T-2385A - SD,SS,LT - EC-1576 US 69 Muskogee Plan Update\CAD\T033-2710804-TRAFFIC CONTROL PLAN PHASE 1.1(2 OF 2).dgn

REVISIONS		
NO.	DESCRIPTION	DATE

CONTRACTOR SIGN **CONTRACTOR SUPPLEMENTAL PLAQUES**

FOR MORE INFORMATION AND SPECIFICATIONS SEE LINK BELOW:
https://oklahoma.gov/content/dam/ok/en/odot/traffic/Contractor%20Sign%20-%20Color.pdf



Phase 1.2 - U.S. Highway 69
Maintain southbound traffic on northbound inside driving lane. Shift northbound traffic to northbound outside driving lane. From Sta. 635+00 to Sta 652+00. Install northbound drainage structures No. 2 & 4, and Structure No. 5. Construct northbound Proposed curbs, gutters, sidewalks, & Driveways. Construct northbound intersection return and handicap ramps. Perform grading, place Fabric, Agg. Base, prime coat, Cement Base. tack coat, and paving operations in northbound traffic lanes & shoulder grading and paving operations from Sta. 642+00 to Sta. 656+46+06.85 (Typical Section No. 2) and Sta. 646+06.86 to Sta. 556+00.00 (Typical Section No. 3).

(Concurrent with Phase 1.2 and Phase 1.3) Cross southbound traffic to northbound inside driving lane (two-way traffic). Bike/trail overpass demolition and new construction over US Highway 69

Once Phase 1.2 is completed, begin demolition on northbound bridge abutment, pier and approximately 80 feet of deck slab span, leaving a minimum of 15 feet of deck slab span from centerline
of middle pier.

Phase 1.3 - U.S. Highway 69
Shift traffic control and reduce traffic disturbance during construction of Trail Overpass construction. move northbound traffic to northbound outside driving lane. Cross southbound traffic to northbound inside driving lane (two-way traffic). Provide adequate clearance necessary for 15 feet of deck slab span remaining to the south. Once traffic has been safely moved, moved continue demolition on southbound bridge remaining deck slab span, pier, and bridge abutment. Construct Proposed Trail Overpass on Border Ave. from Sta. 18+00 to Sta. 22+50. See Centennial Trail Section and Trail Overpass Plan and Profile Bridge "A" Plans. Once phase 1.3 is completed shift traffic and proceed to phase 2.

DRAWING NOT TO SCALE

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

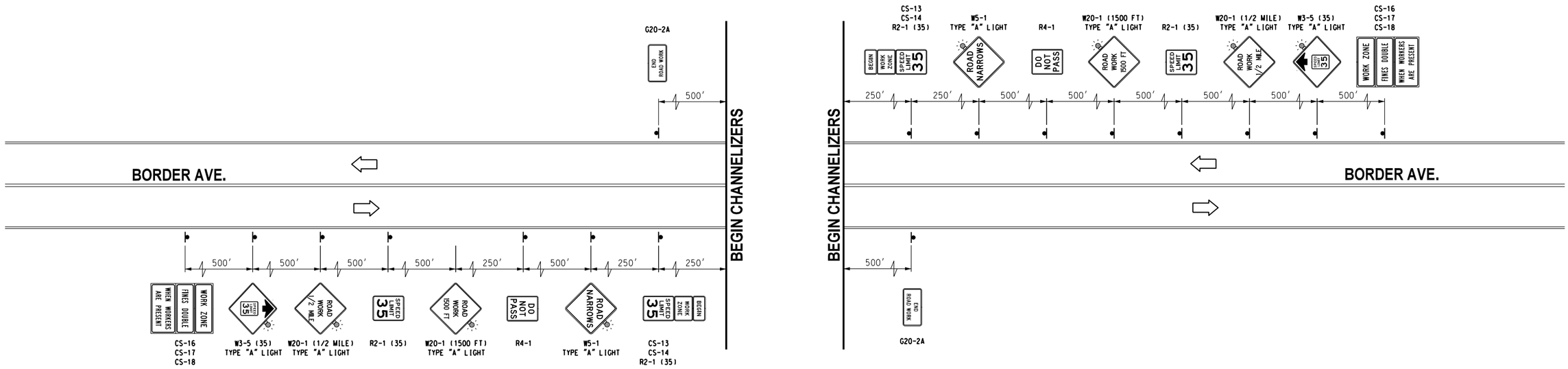
TYPICAL ADVANCE WARNING SIGNS PHASES 1.2 & 1.3 (U.S. 69)

State Job No. 2710804 Sheet No. T034

MUSKOGEE COUNTY

08-14-23 G:\OProjects\1-2385A - SD,SS,LT - EC-1576 US 69 Muskogee Plan Update\CAD\T034-2710804-TYPICAL ADVANCE WARNING SIGNS PHASE 1.2 & 1.3 U.S. 69.dgn

REVISIONS		
NO.	DESCRIPTION	DATE



DRAWING NOT TO SCALE

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC
A CLEAR DIRECTION

TYPICAL ADVANCE WARNING SIGNS
PHASE 1.2 & 1.3 (BORDER AVE.)

State Job No. 2710804 Sheet No. T035

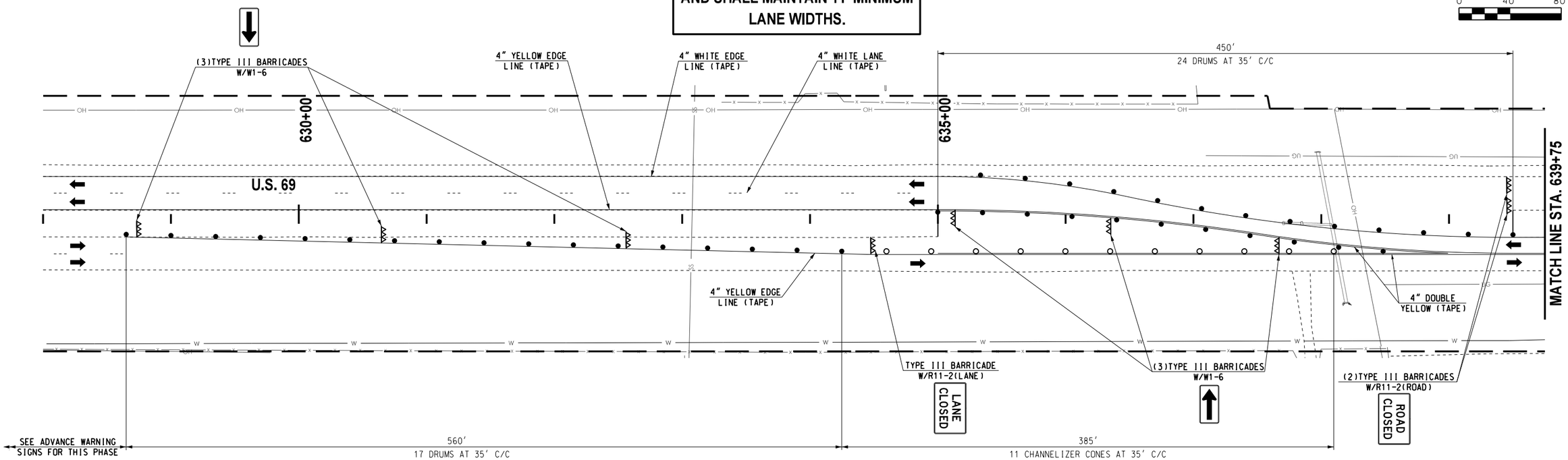
MUSKOGEE COUNTY

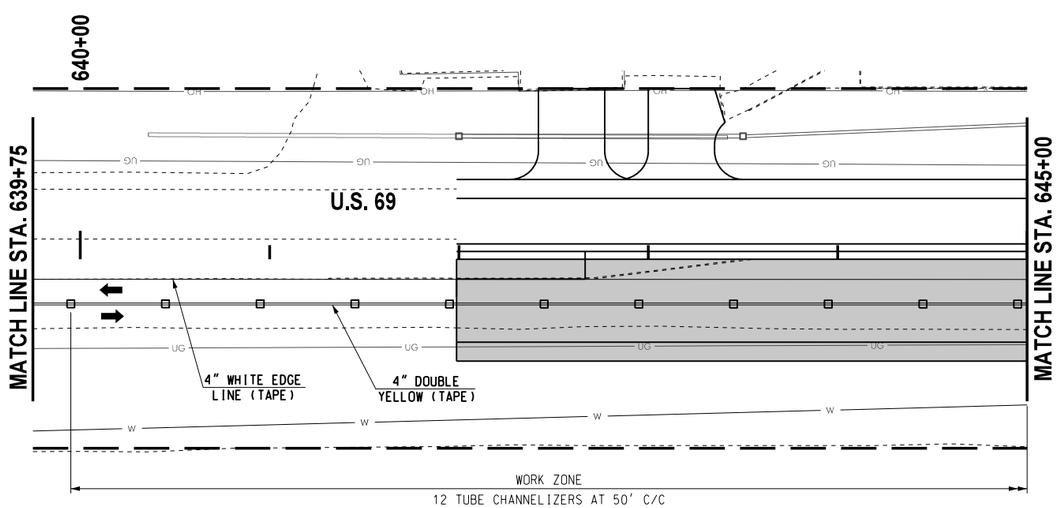
08-14-23 G:\0Projects\T-2385A - SD,SS,LT - EC-1576 US 69 Muskogee Plan Update\CAD\T035-2710804-TYPICAL ADVANCE WARNING SIGNS L2 & L3 BORDER AVE.dgn

REVISIONS		
NO.	DESCRIPTION	DATE

CONTRACTOR SHALL BUILD ALL STREETS AND DRIVEWAYS HALF AT A TIME AS TO ALLOW ACCESS, AND SHALL MAINTAIN 11' MINIMUM LANE WIDTHS.

0 40' 80'





LEGEND

- TYPE III BARRICADE W/ TWO TYPE "B" LIGHTS
- ARROW DISPLAY (TYPE C)
- VERTICAL PANEL
- DRUM
- CHANNELIZER CONE
- TUBE CHANNELIZER
- PORTABLE LONGITUDINAL BARRIER
- CONSTRUCTION ZONE IMPACT ATTENUATOR
- WORK AREA

BEFORE YOU DIG CALL OKIE 811 1-800-522-OKIE

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

TRAFFIC CONTROL PLAN
PHASE 1.2 & 1.3
(1 OF 3)

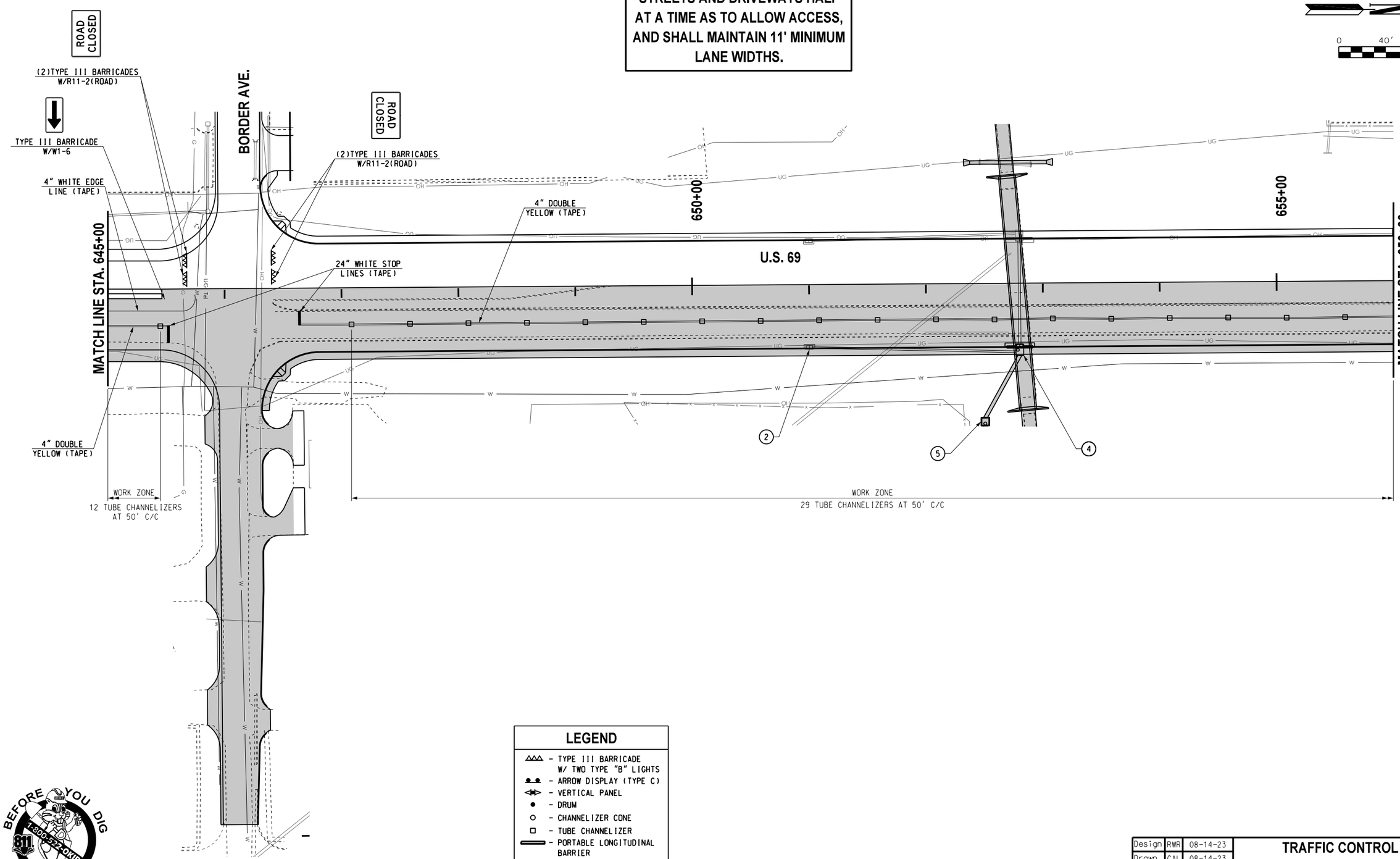
Project No. 2710804 Sheet No. T036

MUSKOGEE COUNTY

08-14-23 G:\0Projects\1-2385A - SD,SS,LT - EC-1576 US 69 Muskogee Plan Update\CAD\T036-2710804-TRAFFIC CONTROL PLAN PHASE 1.2 & 1.3 1(OF 3).dgn

REVISIONS		
NO.	DESCRIPTION	DATE

CONTRACTOR SHALL BUILD ALL STREETS AND DRIVEWAYS HALF AT A TIME AS TO ALLOW ACCESS, AND SHALL MAINTAIN 11' MINIMUM LANE WIDTHS.



LEGEND

- TYPE III BARRICADE W/ TWO TYPE "B" LIGHTS
- ARROW DISPLAY (TYPE C)
- VERTICAL PANEL
- DRUM
- CHANNELIZER CONE
- TUBE CHANNELIZER
- PORTABLE LONGITUDINAL BARRIER
- CONSTRUCTION ZONE IMPACT ATTENUATOR
- WORK AREA

BEFORE YOU DIG CALL OKIE 1-800-522-OKIE 811

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

TRAFFIC CONTROL PLAN
PHASE 1.2 & 1.3
(2 OF 3)

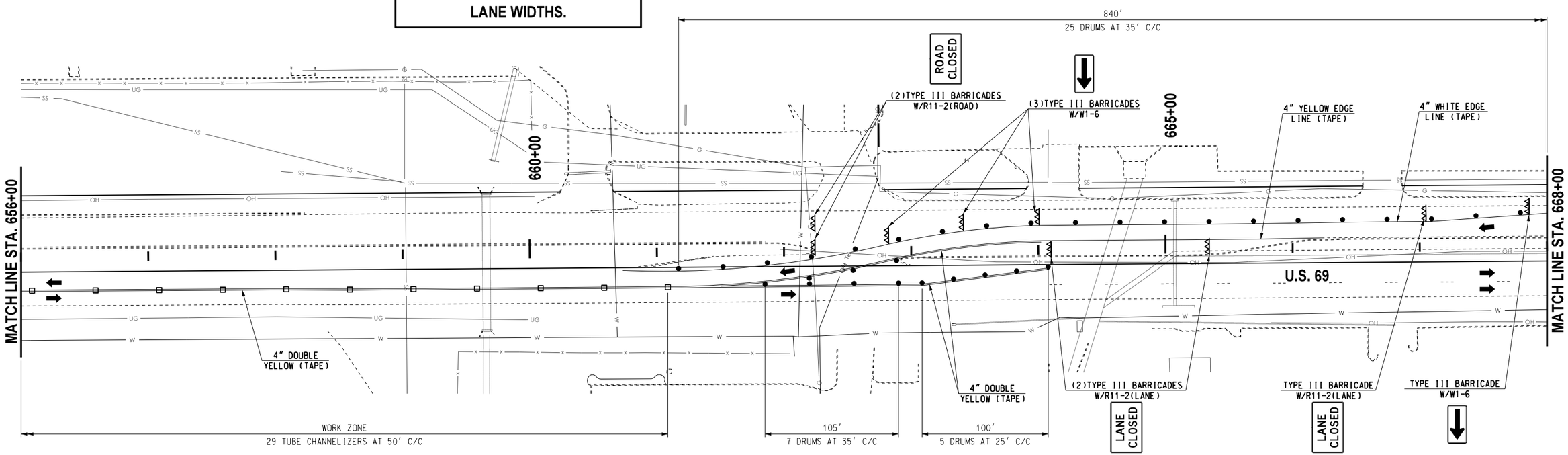
Project No. 2710804 Sheet No. T037

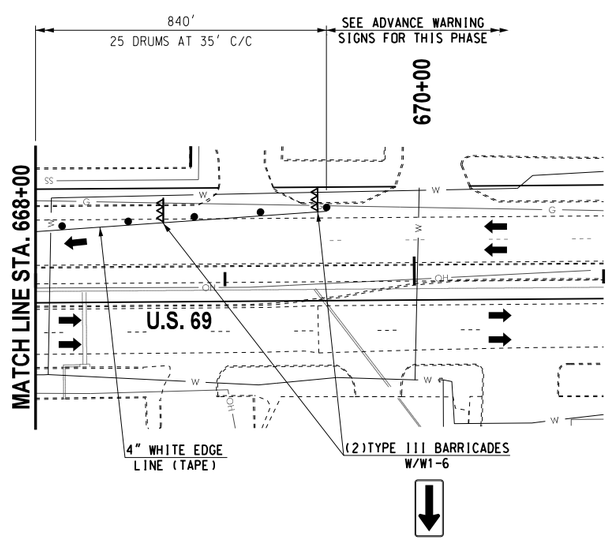
MUSKOGEE COUNTY

08-14-23 G:\OProjects\1-2385A - SD,SS,LT - EEC-1576 US 69 Muskogee Plan Update\CAD\T037-2710804-TRAFFIC CONTROL PLAN PHASE 1.2 & 1.3 (2 OF 3).dgn

REVISIONS		
NO.	DESCRIPTION	DATE

CONTRACTOR SHALL BUILD ALL STREETS AND DRIVEWAYS HALF AT A TIME AS TO ALLOW ACCESS, AND SHALL MAINTAIN 11' MINIMUM LANE WIDTHS.





LEGEND

- TYPE III BARRICADE W/ TWO TYPE "B" LIGHTS
- ARROW DISPLAY (TYPE C)
- VERTICAL PANEL
- DRUM
- CHANNELIZER CONE
- TUBE CHANNELIZER
- PORTABLE LONGITUDINAL BARRIER
- CONSTRUCTION ZONE IMPACT ATTENUATOR
- WORK AREA

BEFORE YOU DIG CALL OKIE 1-800-522-OKIE 811

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

TRAFFIC CONTROL PLAN PHASE 1.2 & 1.3 (3 OF 3)

Project No. 2710804 Sheet No. T038

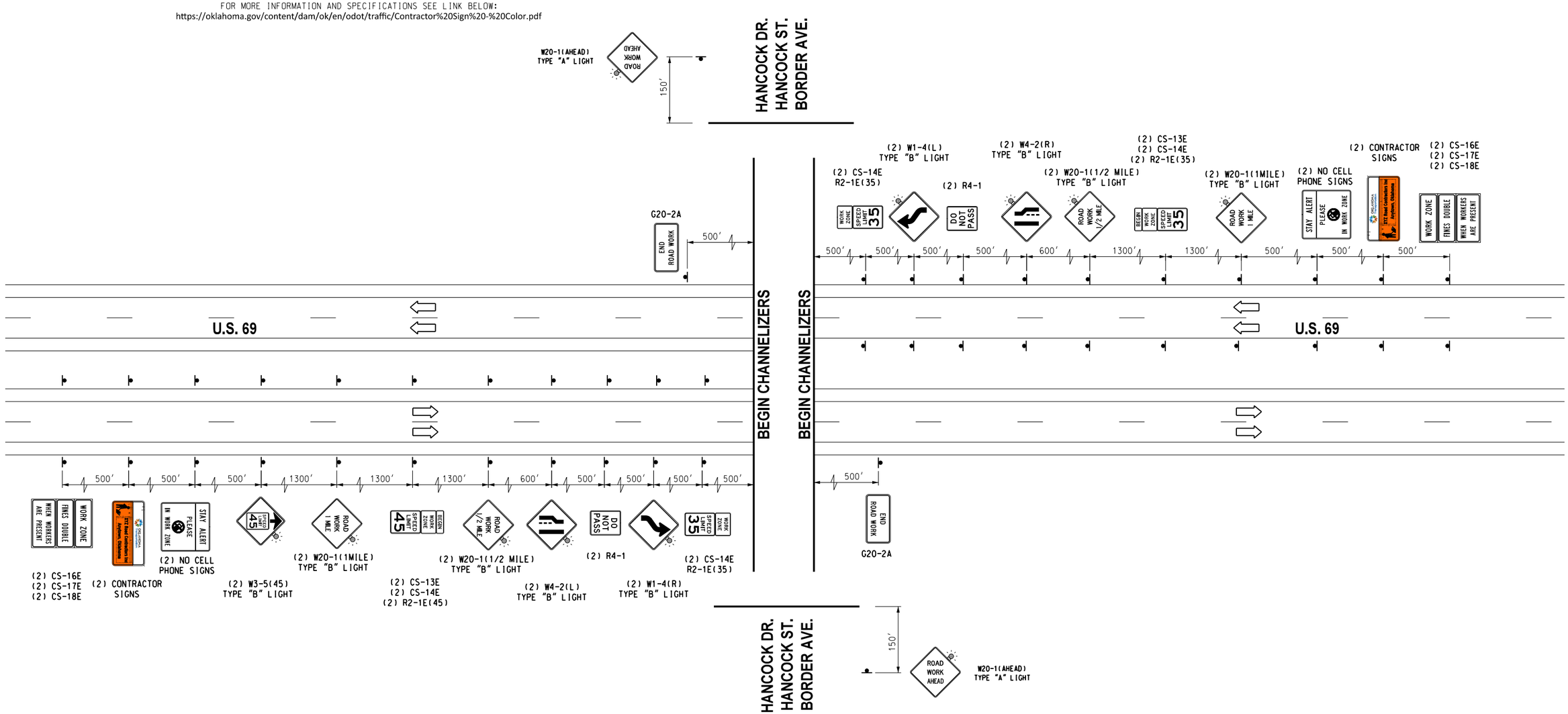
MUSKOGEE COUNTY

08-14-23 G:\OIProjects\T-2385A - SD,SS,LT - EC-1576 US 69 Muskogee Plan Update\CAD\T038-2710804-TRAFFIC CONTROL PLAN PHASE 1.2 & 1.3 (3 OF 3).dgn

REVISIONS		
NO.	DESCRIPTION	DATE

CONTRACTOR SIGN **CONTRACTOR SUPPLEMENTAL PLAQUES**

FOR MORE INFORMATION AND SPECIFICATIONS SEE LINK BELOW:
https://oklahoma.gov/content/dam/ok/en/odot/traffic/Contractor%20Sign%20-%20Color.pdf



Phase 2.0- U.S. Highway 69
Shift southbound traffic on northbound inside driving lane and cross northbound traffic to southbound inside driving lane (two-way traffic) from Sta 561 +00 to Sta 642+00. Install southbound drainage structures No. M1-M9, Cross Drain Structures 1- 4, & No. 3, side structures No. S6, S8-S11, S13, S20, S22, S23, & S24. Install Bridge "A" to CRL. Perform southbound widening and traffic lanes with shoulder construction operations from Sta. 566+00 to Sta. 642+00 (Typical Section No. 1): Perform grading place Fabric, Agg. Base, prime coat, Cement Base. tack coat, and paving operations proposed curbs, gutters, sidewalks, & driveways. Construct southbound intersection return and handicap ramps.

DRAWING NOT TO SCALE

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

TYPICAL ADVANCE WARNING SIGNS PHASE 2

State Job No. 2710804 Sheet No. T039

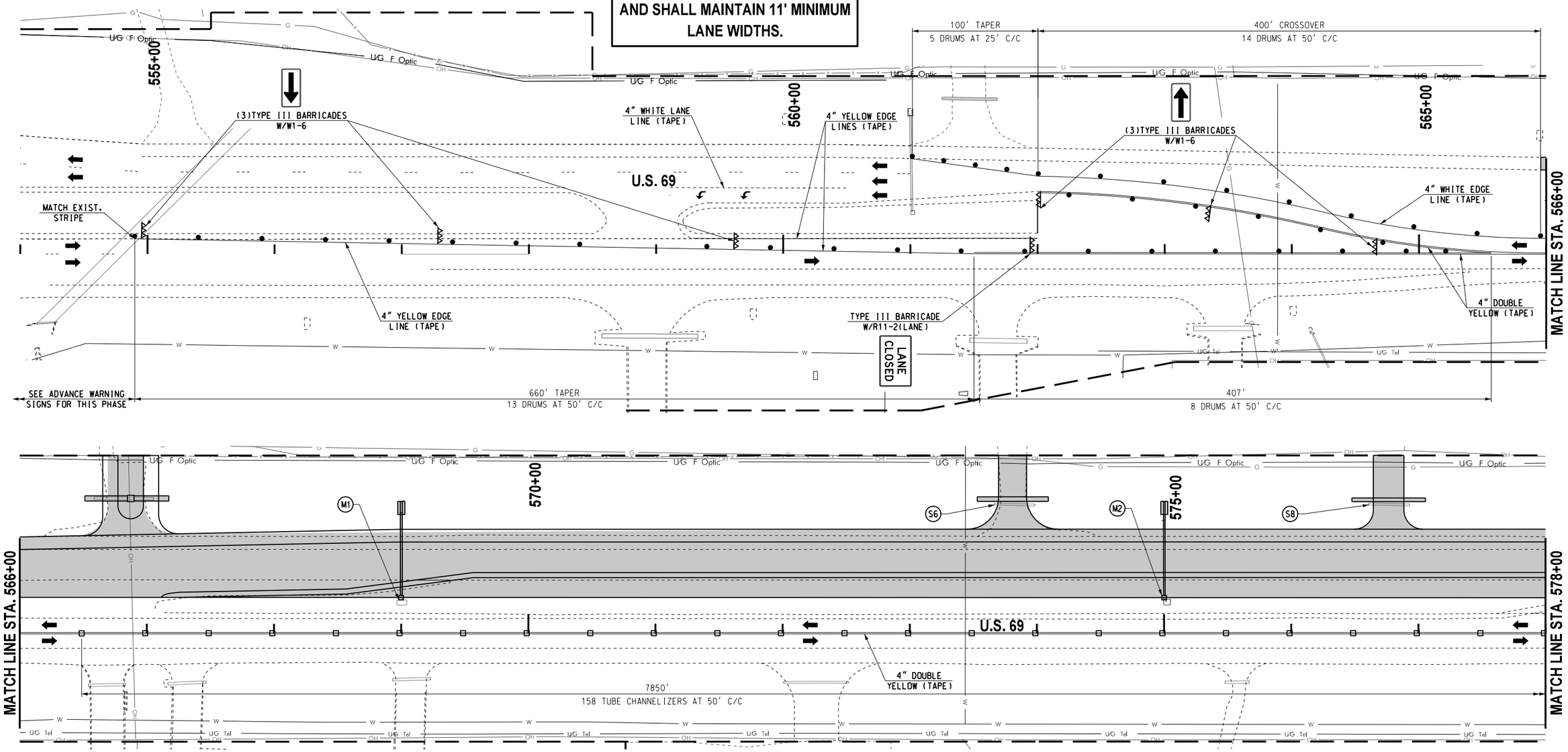
MUSKOGEE COUNTY

08-14-23 G:\OProjects\1-2385A - SD,SS,LT - EC-1516 US 69 Muskogee Plan Update\CAD\T039-2710804-TYPICAL ADVANCE WARNING SIGNS PLAN PHASE 2.dgn

REVISIONS		
NO.	DESCRIPTION	DATE

CONTRACTOR SHALL BUILD ALL STREETS AND DRIVEWAYS HALF AT A TIME AS TO ALLOW ACCESS, AND SHALL MAINTAIN 11' MINIMUM LANE WIDTHS.

0 40' 80'



LEGEND

- TYPE III BARRICADE W/ TWO TYPE "B" LIGHTS
- ARROW DISPLAY (TYPE C)
- VERTICAL PANEL
- DRUM
- CHANNELIZER CONE
- TUBE CHANNELIZER
- PORTABLE LONGITUDINAL BARRIER
- CONSTRUCTION ZONE IMPACT ATTENUATOR
- WORK AREA

BEFORE YOU DIG CALL OKIE 811 1-800-522-OKIE

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

TRAFFIC CONTROL PLAN PHASE 2 (1 OF 6)

Project No. 2710804 Sheet No. T040

MUSKOGEE COUNTY

08-14-23 G:\0Projects\T-2385A - SD,SS,LT - EC-1516 US 69 Muskogee Plan Update\CAD\T040-2710804-TRAFFIC CONTROL PLAN PHASE 2 (1OF 6).dgn

REVISIONS		
NO.	DESCRIPTION	DATE

CONTRACTOR SHALL BUILD ALL STREETS AND DRIVEWAYS HALF AT A TIME AS TO ALLOW ACCESS, AND SHALL MAINTAIN 11' MINIMUM LANE WIDTHS.

0 40' 80'

580+00 585+00 595+00 600+00

MATCH LINE STA. 578+00

MATCH LINE STA. 590+00

MATCH LINE STA. 590+00

MATCH LINE STA. 602+00

U.S. 69

S9 S10 S11 S13

UG F Optic

(2)TYPE III BARRICADES W/R11-2(LANE)

LANE CLOSED

(3)TYPE III BARRICADES W/R11-2(ROAD)

ROAD CLOSED

4" DOUBLE YELLOW (TAPE)

M3

UG Tel

7850'

158 TUBE CHANNELIZERS AT 50' C/C

ROAD CLOSED

(5)TYPE III BARRICADES W/R11-2(ROAD)

CD1 CD2

M4 M5

20+00

(2)TYPE III BARRICADES W/R11-2(LANE)

INSTAL TEMP. R1-1 & W4-4P

STOP

24" WHITE STOP LINES (TAPE)

(5)TYPE III BARRICADES W/R11-2(ROAD)

EXIST. R1-1 & INSTALL W4-4P

HANCOCK ST.

LEGEND

- TYPE III BARRICADE W/ TWO TYPE "B" LIGHTS
- ARROW DISPLAY (TYPE C)
- VERTICAL PANEL
- DRUM
- CHANNELIZER CONE
- TUBE CHANNELIZER
- PORTABLE LONGITUDINAL BARRIER
- CONSTRUCTION ZONE IMPACT ATTENUATOR
- WORK AREA

BEFORE YOU DIG CALL OKIE 1-800-522-OKIE 811

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

TRAFFIC CONTROL PLAN PHASE 2 (2 OF 6)

Project No. 2710804 Sheet No. T041

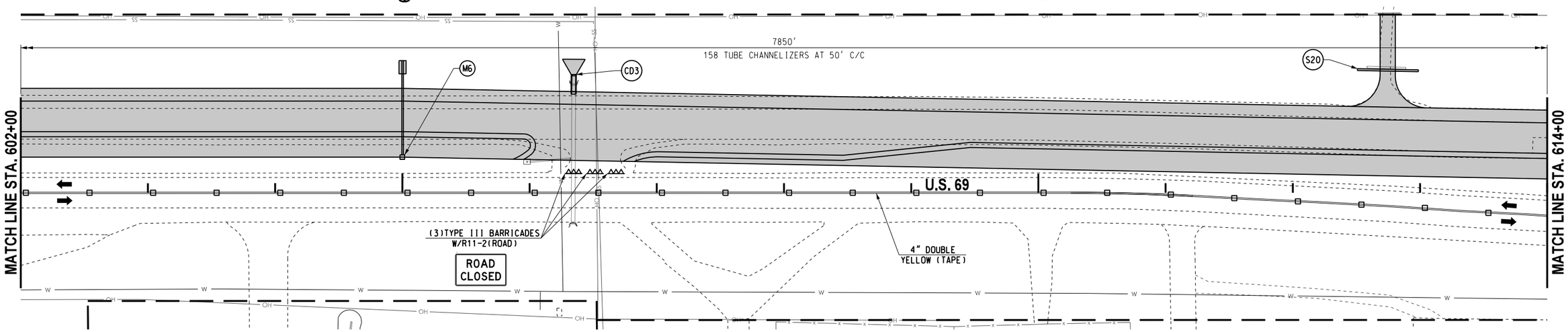
MUSKOGEE COUNTY

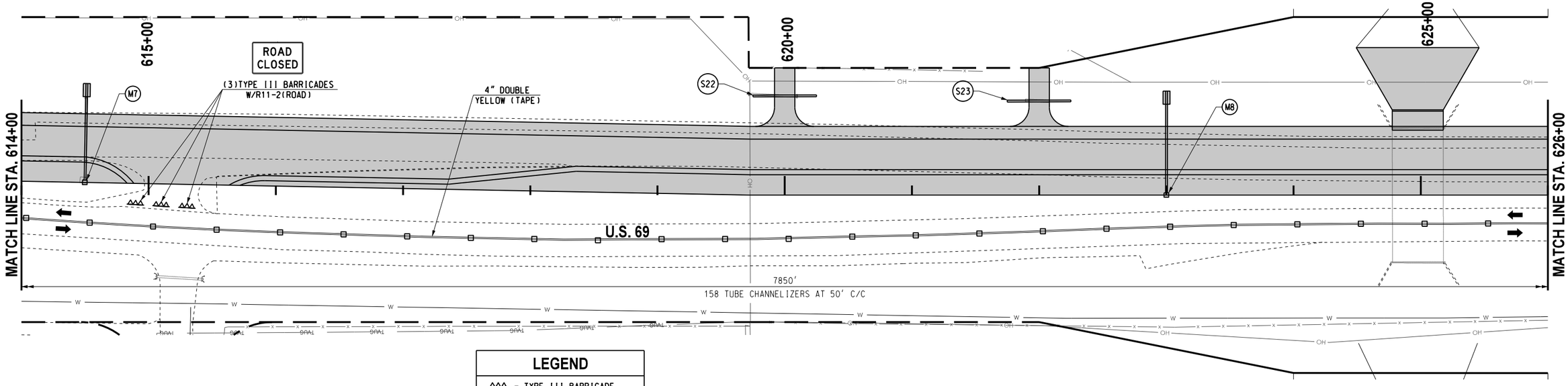
08-14-23 G:\0Projects\1-2385A - SO,SS,LT - EC-1576 US 69 Muskogee Plan Update\CAD\T041-2710804-TRAFFIC CONTROL PLAN PHASE 2 (2 OF 6).dgn

REVISIONS		
NO.	DESCRIPTION	DATE

CONTRACTOR SHALL BUILD ALL STREETS AND DRIVEWAYS HALF AT A TIME AS TO ALLOW ACCESS, AND SHALL MAINTAIN 11' MINIMUM LANE WIDTHS.

0 40' 80'





LEGEND

- TYPE III BARRICADE W/ TWO TYPE "B" LIGHTS
- ARROW DISPLAY (TYPE C)
- VERTICAL PANEL
- DRUM
- CHANNELIZER CONE
- TUBE CHANNELIZER
- PORTABLE LONGITUDINAL BARRIER
- CONSTRUCTION ZONE IMPACT ATTENUATOR
- WORK AREA

BEFORE YOU DIG CALL OKIE 1-800-522-OKIE 811

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

TRAFFIC CONTROL PLAN PHASE 2 (3 OF 6)

Project No. 2710804 Sheet No. T042

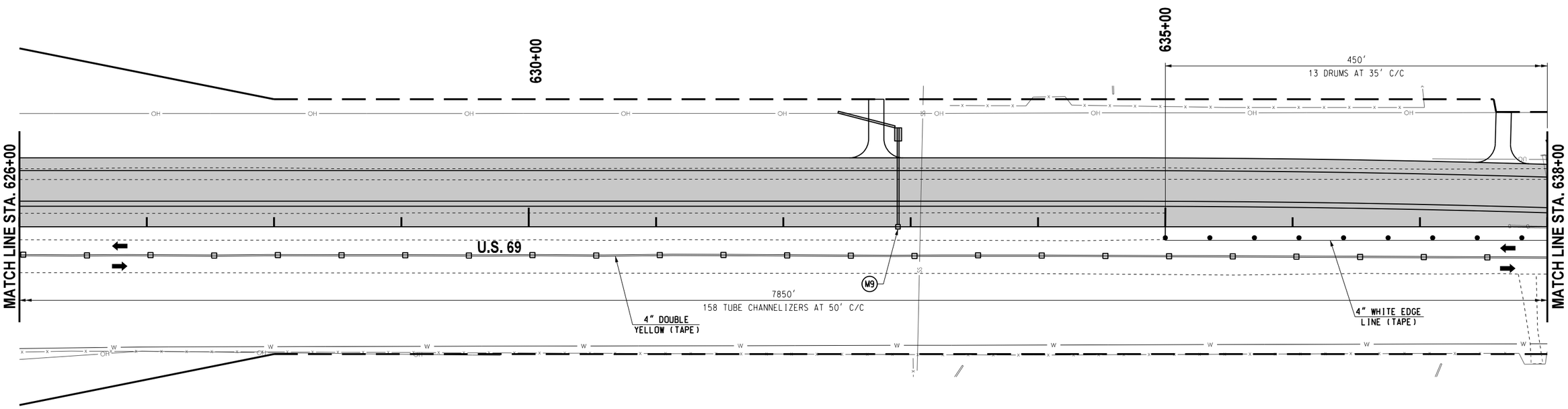
MUSKOGEE COUNTY

08-14-23 G:\0Projects\T-2385A - SD,SS,LT - EC-1576 US 69 Muskogee Plan Update\CAD\T042-2710804-TRAFFIC CONTROL PLAN PHASE 2 (3 OF 6).dgn

REVISIONS		
NO.	DESCRIPTION	DATE

CONTRACTOR SHALL BUILD ALL STREETS AND DRIVEWAYS HALF AT A TIME AS TO ALLOW ACCESS, AND SHALL MAINTAIN 11' MINIMUM LANE WIDTHS.

0 40' 80'



LEGEND

- TYPE III BARRICADE W/ TWO TYPE "B" LIGHTS
- ARROW DISPLAY (TYPE C)
- VERTICAL PANEL
- DRUM
- CHANNELIZER CONE
- TUBE CHANNELIZER
- PORTABLE LONGITUDINAL BARRIER
- CONSTRUCTION ZONE IMPACT ATTENUATOR
- WORK AREA

BEFORE YOU DIG CALL OKIE 811 1-800-522-OKIE

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

TRAFFIC CONTROL PLAN PHASE 2 (4 OF 6)

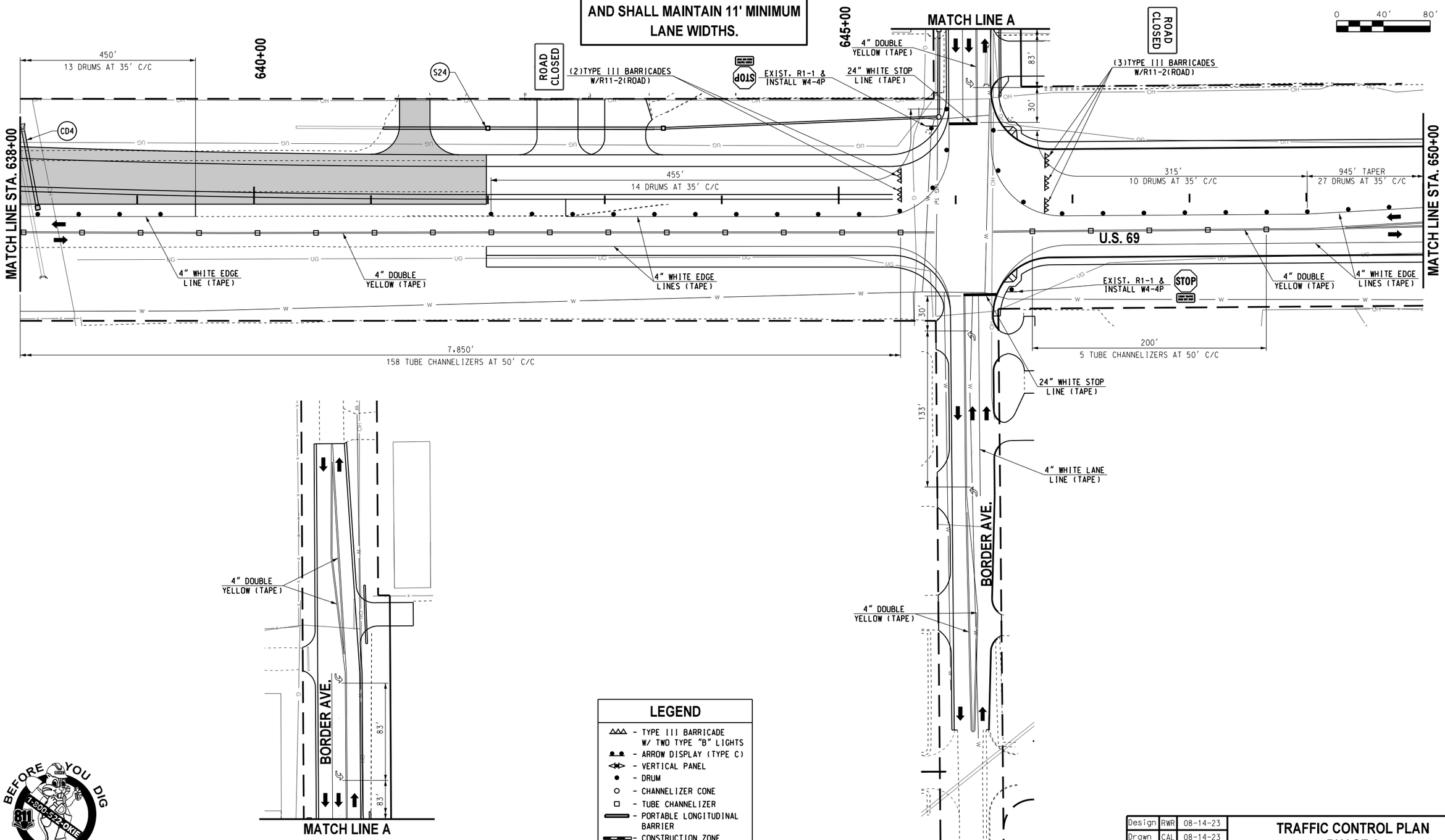
Project No. 2710804 Sheet No. T043

MUSKOGEE COUNTY

08-14-23 G:\0Projects\1-2385A - SD,SS,LT - EC-1516 US 69 Muskogee Plan Update\CAD\T043-2710804-TRAFFIC CONTROL PLAN PHASE 2 (4 OF 6).dgn

REVISIONS		
NO.	DESCRIPTION	DATE

CONTRACTOR SHALL BUILD ALL STREETS AND DRIVEWAYS HALF AT A TIME AS TO ALLOW ACCESS, AND SHALL MAINTAIN 11' MINIMUM LANE WIDTHS.



LEGEND

- TYPE III BARRICADE W/ TWO TYPE "B" LIGHTS
- ARROW DISPLAY (TYPE C)
- VERTICAL PANEL
- DRUM
- CHANNELIZER CONE
- TUBE CHANNELIZER
- PORTABLE LONGITUDINAL BARRIER
- CONSTRUCTION ZONE IMPACT ATTENUATOR
- WORK AREA

BEFORE YOU DIG CALL OKIE 811 1-800-522-OKIE

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

TRAFFIC CONTROL PLAN PHASE 2 (5 OF 6)

Project No. 2710804 Sheet No. T044

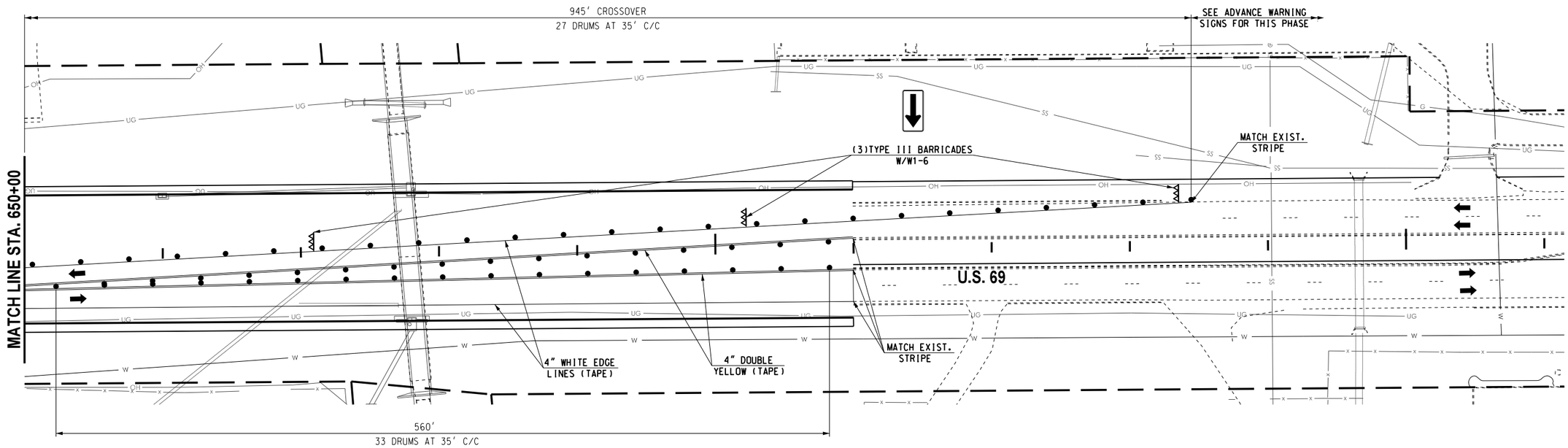
MUSKOGEE COUNTY

08-14-23 G:\OIProjects\T-2385A - SD,SS,LT - EC-1576 US 69 Muskogee Plan Update\CAD\T044-2710804-TRAFFIC CONTROL PLAN PHASE 2 (5 OF 6).dgn

REVISIONS		
NO.	DESCRIPTION	DATE

CONTRACTOR SHALL BUILD ALL STREETS AND DRIVEWAYS HALF AT A TIME AS TO ALLOW ACCESS, AND SHALL MAINTAIN 11' MINIMUM LANE WIDTHS.

0 40' 80'



LEGEND

- TYPE III BARRICADE W/ TWO TYPE "B" LIGHTS
- ARROW DISPLAY (TYPE C)
- VERTICAL PANEL
- DRUM
- CHANNELIZER CONE
- TUBE CHANNELIZER
- PORTABLE LONGITUDINAL BARRIER
- CONSTRUCTION ZONE IMPACT ATTENUATOR
- WORK AREA

BEFORE YOU DIG CALL OKIE 811 1-800-522-OKIE

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

TRAFFIC CONTROL PLAN
PHASE 2
(6 OF 6)

Project No. 2710804 Sheet No. T045

MUSKOGEE COUNTY

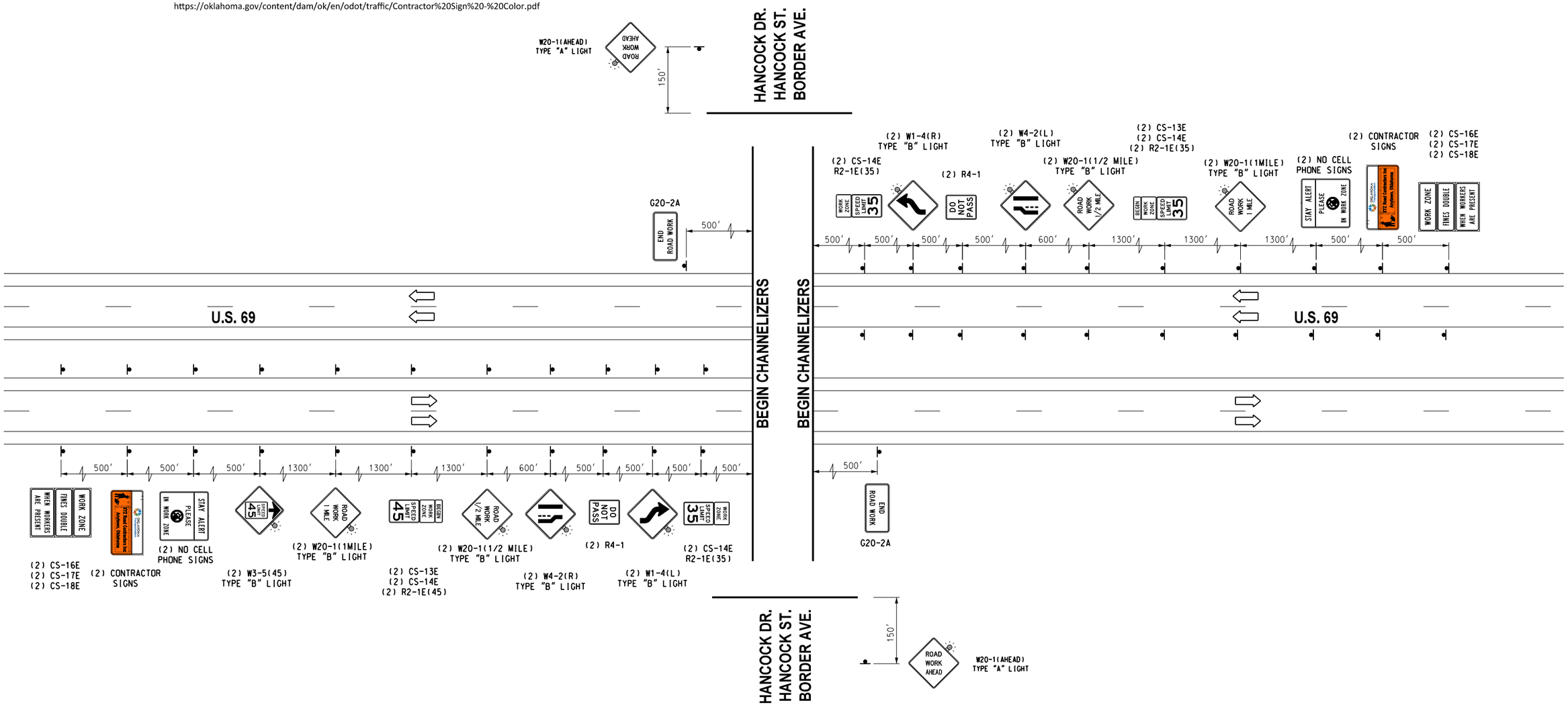
08-14-23 G:\OIProjects\1-2385A - SD,SS,LT - EC-1576 US 69 Muskogee Plan Update\CAD\T045-2710804-TRAFFIC CONTROL PLAN PHASE 2 (6 OF 6).dgn

REVISIONS		
NO.	DESCRIPTION	DATE

CONTRACTOR SIGN

CONTRACTOR SUPPLEMENTAL PLAQUES

FOR MORE INFORMATION AND SPECIFICATIONS SEE LINK BELOW:
https://oklahoma.gov/content/dam/ok/en/odot/traffic/Contractor%20Sign%20-%20Color.pdf



Phase 3.0 - U.S. Highway 69
Shift the northbound traffic on southbound inside driving lane and cross northbound traffic to northbound outside driving lane (two-way traffic) from Sta 561 +00 to Sta 642+00. Install northbound drainage side structures No. S1, S3, S4, S5, S7, S12, S14-S19, & S21. Install Bridge "A" from CRL to apron. Construct paved ditch right side. Perform northbound widening and northbound traffic lane with construction operations from Sta. 566+00 to Sta. 642+00 (Typical Section No. 1): Perform grading place Fabric, Agg. Base, prime coat, Cement Base. Tack Coat, and Paving Operations. Construct proposed curbs, gutters, sidewalks, & driveways. Construct northbound intersection return and handicap ramps.

DRAWING NOT TO SCALE

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

TYPICAL ADVANCE WARNING SIGNS PHASE 3

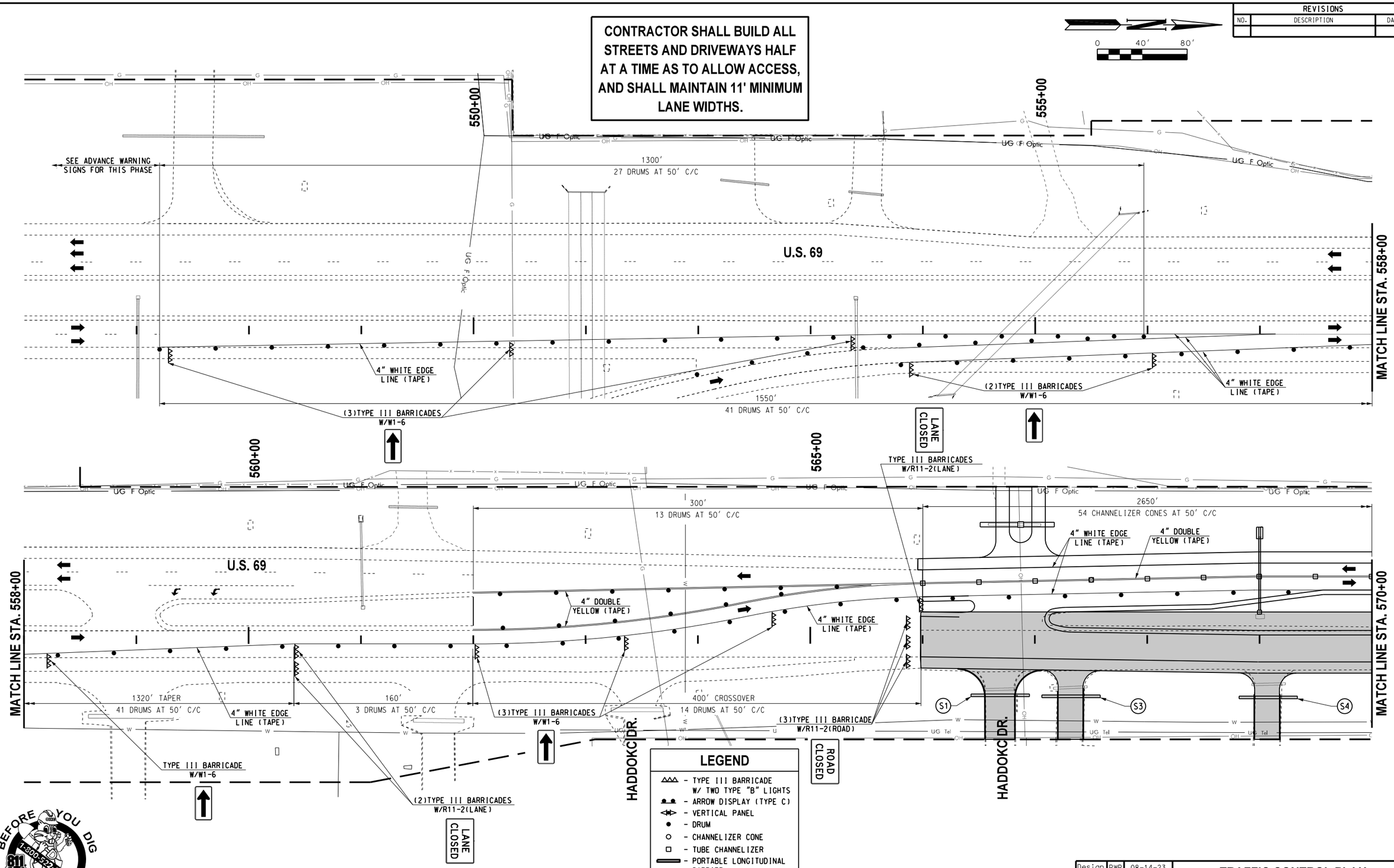
State Job No. 2710804 Sheet No. T046

MUSKOGEE COUNTY

08-14-23 G:\0Projects\T-2385A - SD,SS,LT - EC-1576 US 69 Muskogee Plan Update\CAD\T046-2710804-TYPICAL ADVANCE WARNING SIGNS PHASE 3.dgn

REVISIONS		
NO.	DESCRIPTION	DATE

CONTRACTOR SHALL BUILD ALL STREETS AND DRIVEWAYS HALF AT A TIME AS TO ALLOW ACCESS, AND SHALL MAINTAIN 11' MINIMUM LANE WIDTHS.



Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

TRAFFIC CONTROL PLAN PHASE 3 (1 OF 6)

Project No. 2710804 Sheet No. T047

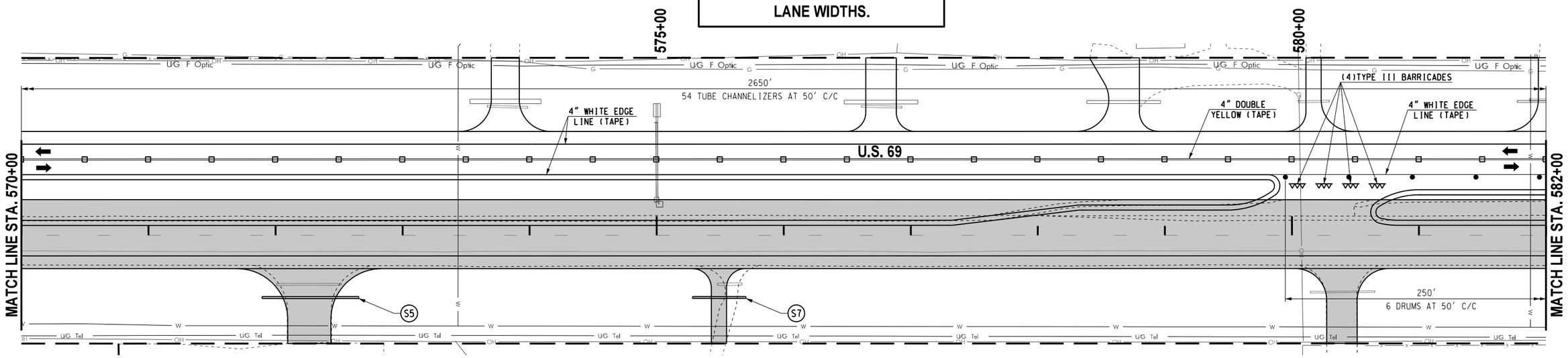
MUSKOGEE COUNTY

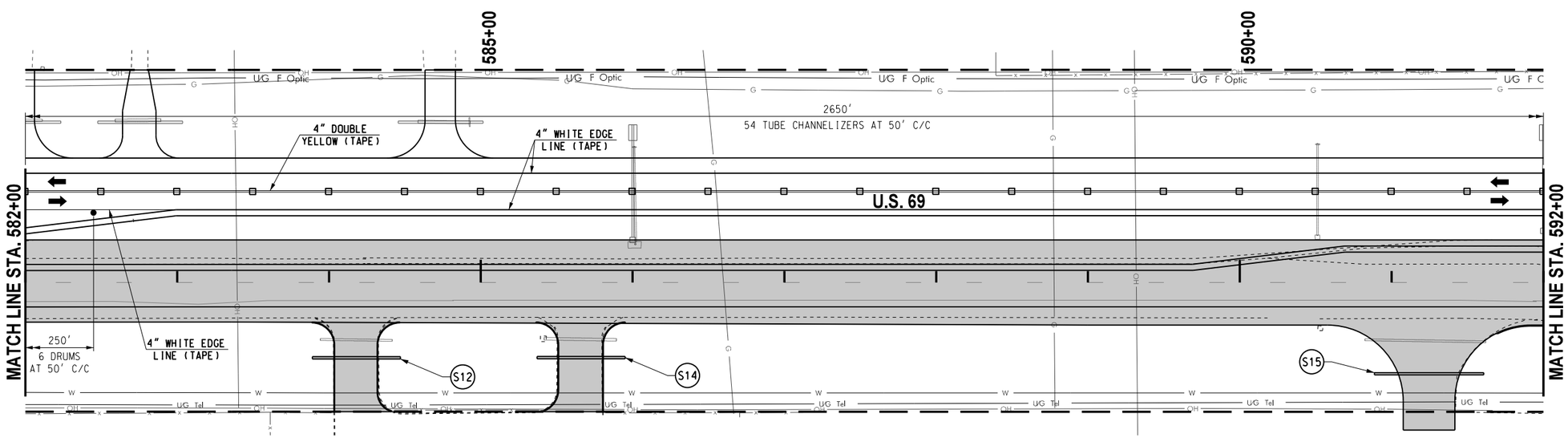
08-14-23 G:\0Projects\T-2385A - SD,SS,LT - EC-1576 US 69 Muskogee Plan Update\CAD\T047-2710804-TRAFFIC CONTROL PLAN PHASE 3 1OF 6.dgn

REVISIONS		
NO.	DESCRIPTION	DATE

CONTRACTOR SHALL BUILD ALL STREETS AND DRIVEWAYS HALF AT A TIME AS TO ALLOW ACCESS, AND SHALL MAINTAIN 11' MINIMUM LANE WIDTHS.

0 40' 80'





LEGEND

- TYPE III BARRICADE W/ TWO TYPE "B" LIGHTS
- ARROW DISPLAY (TYPE C)
- VERTICAL PANEL
- DRUM
- CHANNELIZER CONE
- TUBE CHANNELIZER
- PORTABLE LONGITUDINAL BARRIER
- CONSTRUCTION ZONE IMPACT ATTENUATOR
- WORK AREA

BEFORE YOU DIG CALL OKIE 811 1-800-522-OKIE

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

TRAFFIC CONTROL PLAN PHASE 3 (2 OF 6)

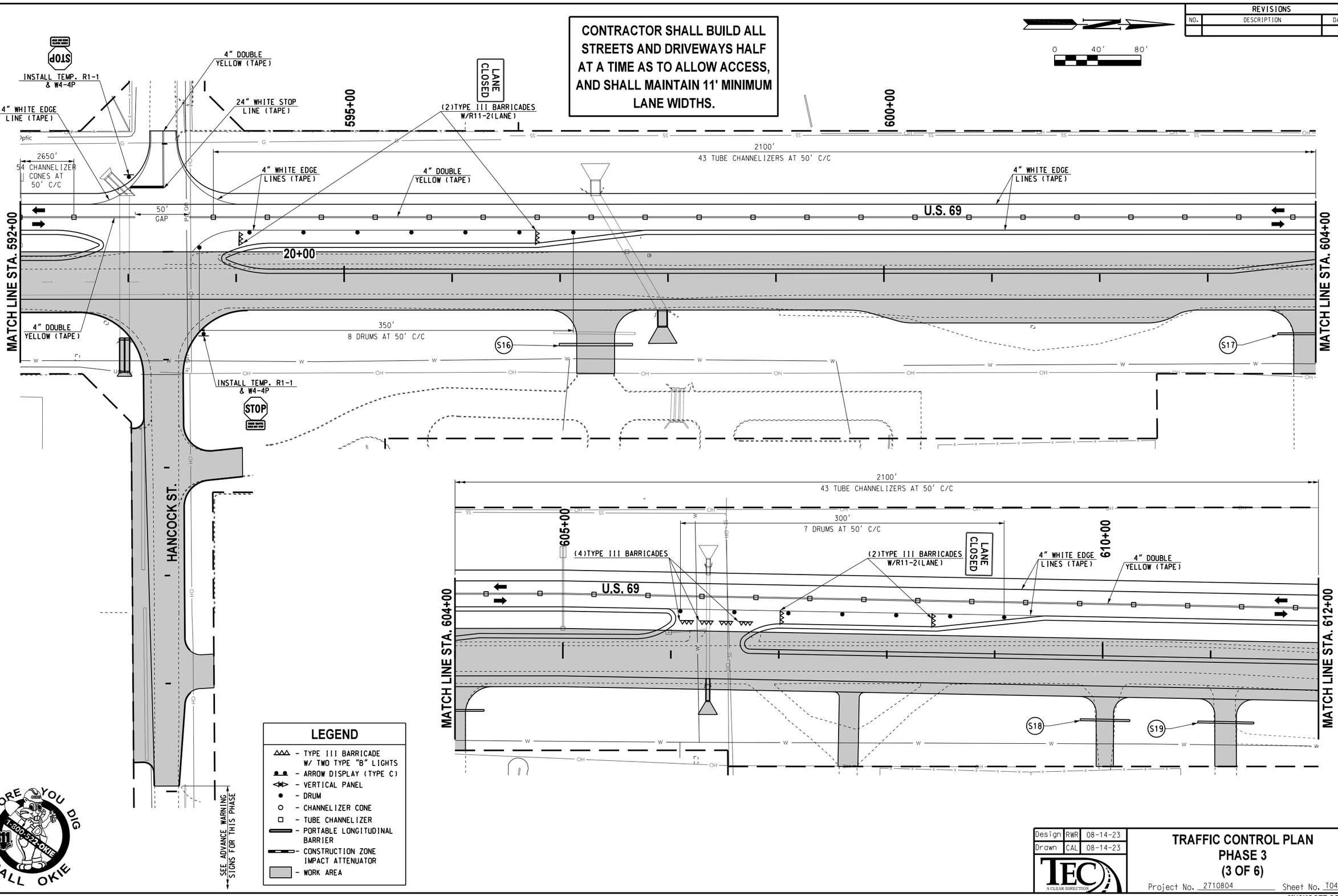
Project No. 2710804 Sheet No. T048

MUSKOGEE COUNTY

08-14-23 G:\0Projects\T-2385A - SD,SS,LT - EC-1576 US 69 Muskogee Plan Update\CAD\T048-2710804-TRAFFIC CONTROL PLAN PHASE 3 (2 OF 6).dgn

REVISIONS		
NO.	DESCRIPTION	DATE

CONTRACTOR SHALL BUILD ALL STREETS AND DRIVEWAYS HALF AT A TIME AS TO ALLOW ACCESS, AND SHALL MAINTAIN 11' MINIMUM LANE WIDTHS.



LEGEND

- TYPE III BARRICADE W/ TWO TYPE "B" LIGHTS
- ARROW DISPLAY (TYPE C)
- VERTICAL PANEL
- DRUM
- CHANNELIZER CONE
- TUBE CHANNELIZER
- PORTABLE LONGITUDINAL BARRIER
- CONSTRUCTION ZONE IMPACT ATTENUATOR
- WORK AREA

BEFORE YOU DIG CALL OKIE 1-800-522-OKIE 811

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

TRAFFIC CONTROL PLAN
PHASE 3
(3 OF 6)

Project No. 2710804 Sheet No. T049

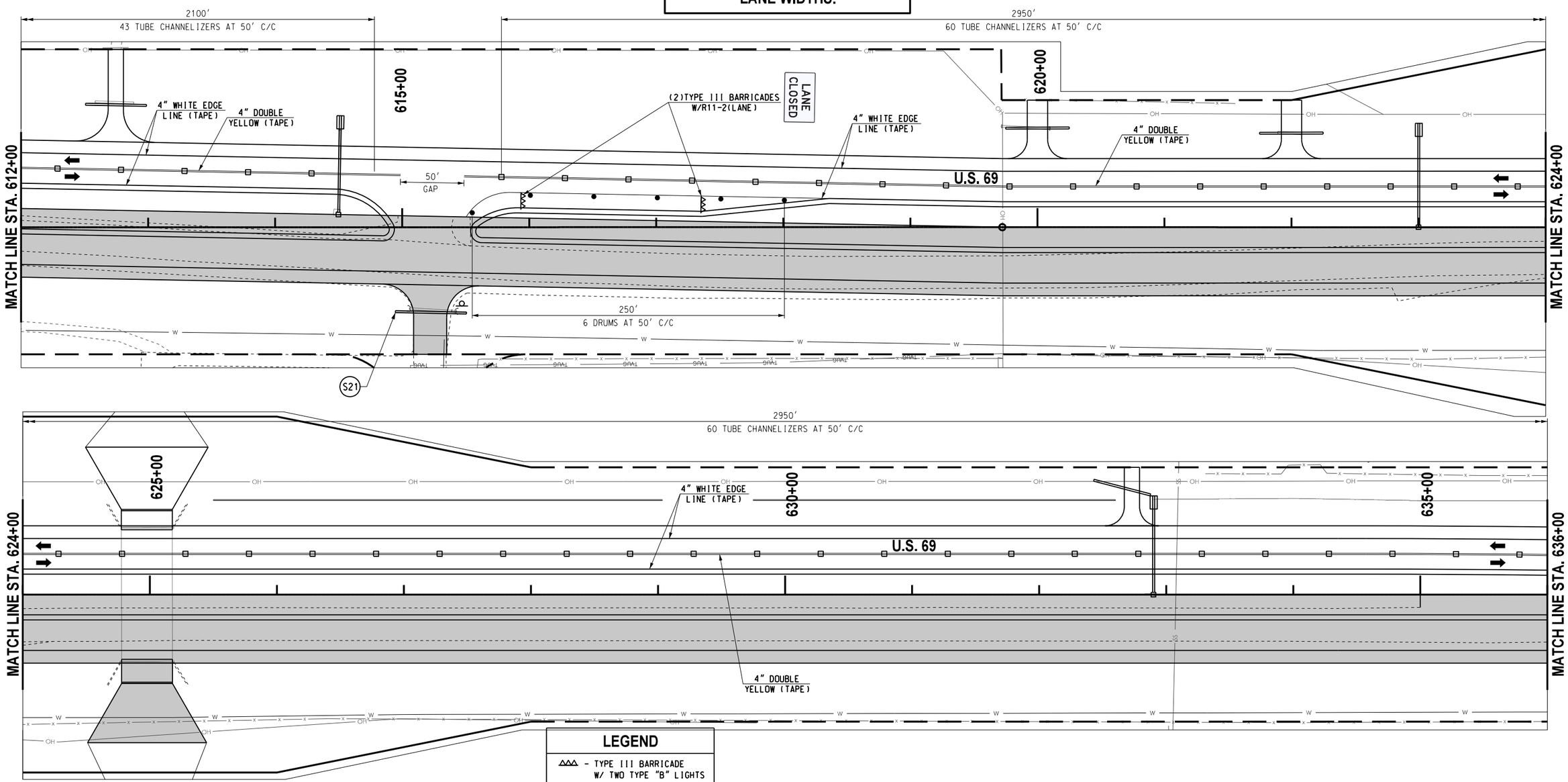
MUSKOGEE COUNTY

08-14-23 G:\OIProjects\T-2385A - SD,SS,LT - EC-1576 US 69 Muskogee Plan Update\CAD\T049-2710804-TRAFFIC CONTROL PLAN PHASE 3 (3 OF 6).dgn

REVISIONS		
NO.	DESCRIPTION	DATE

CONTRACTOR SHALL BUILD ALL STREETS AND DRIVEWAYS HALF AT A TIME AS TO ALLOW ACCESS, AND SHALL MAINTAIN 11' MINIMUM LANE WIDTHS.

0 40' 80'



LEGEND

- TYPE III BARRICADE W/ TWO TYPE "B" LIGHTS
- ARROW DISPLAY (TYPE C)
- VERTICAL PANEL
- DRUM
- CHANNELIZER CONE
- TUBE CHANNELIZER
- PORTABLE LONGITUDINAL BARRIER
- CONSTRUCTION ZONE IMPACT ATTENUATOR
- WORK AREA

BEFORE YOU DIG CALL OKIE 1-800-522-OKIE 811

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

TRAFFIC CONTROL PLAN PHASE 3 (4 OF 6)

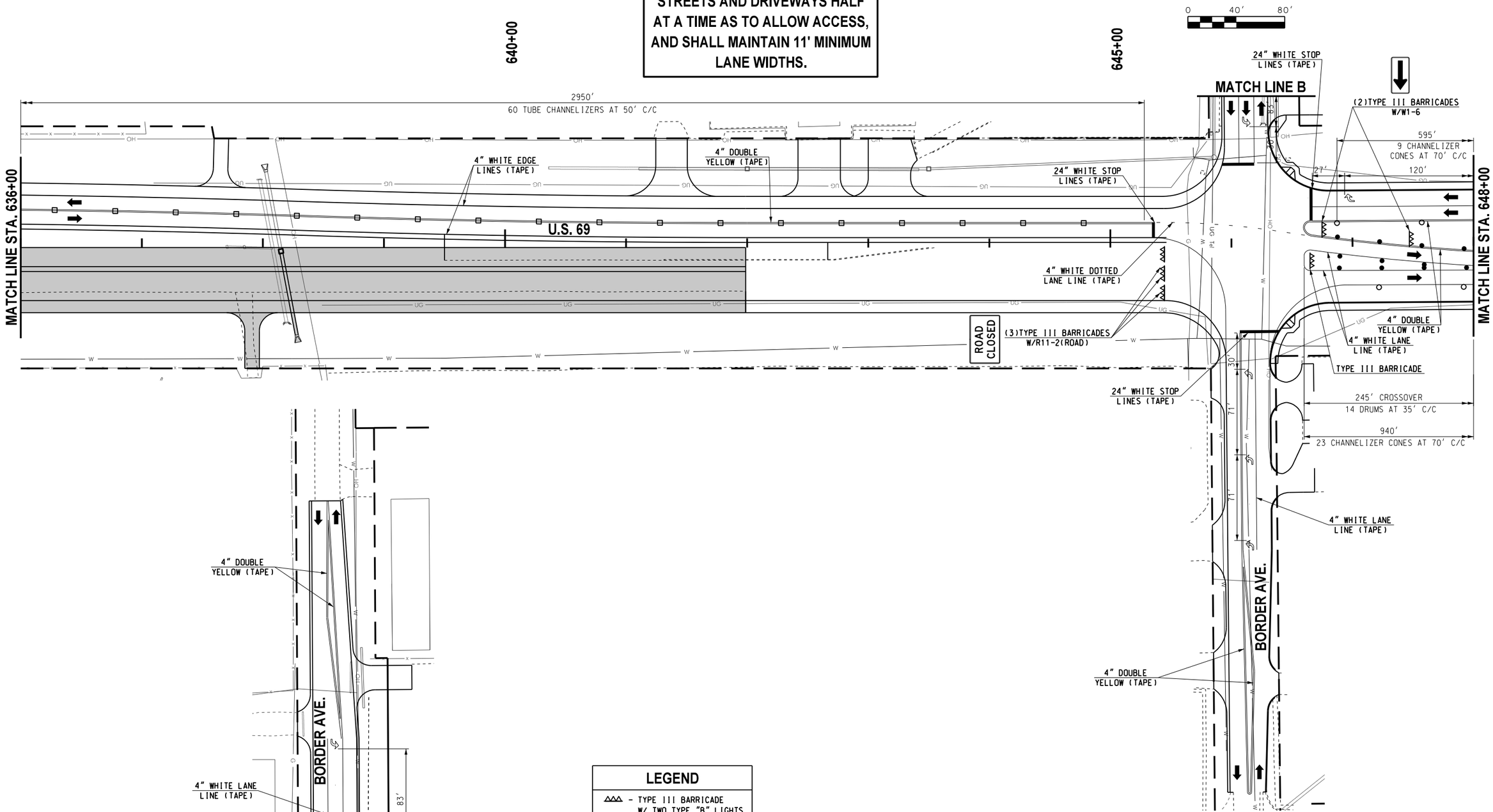
Project No. 2710804 Sheet No. T050

MUSKOGEE COUNTY

08-14-23 G:\0\Projects\1-2385A - SD,SS,LT - EC-1576 US 69 Muskogee Plan Update\CAD\T050-2710804-TRAFFIC CONTROL PLAN PHASE 3 (4 OF 6).dgn

REVISIONS		
NO.	DESCRIPTION	DATE

CONTRACTOR SHALL BUILD ALL STREETS AND DRIVEWAYS HALF AT A TIME AS TO ALLOW ACCESS, AND SHALL MAINTAIN 11' MINIMUM LANE WIDTHS.



LEGEND

- △△△ - TYPE III BARRICADE W/ TWO TYPE "B" LIGHTS
- ●● - ARROW DISPLAY (TYPE C)
- ◁●▷ - VERTICAL PANEL
- ● - DRUM
- ○ - CHANNELIZER CONE
- □ - TUBE CHANNELIZER
- ═══ - PORTABLE LONGITUDINAL BARRIER
- ━═━ - CONSTRUCTION ZONE IMPACT ATTENUATOR
- ▒ - WORK AREA

BEFORE YOU DIG CALL OKIE 1-800-522-OKIE 811

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

TRAFFIC CONTROL PLAN PHASE 3 (5 OF 6)

Project No. 2710804 Sheet No. T051

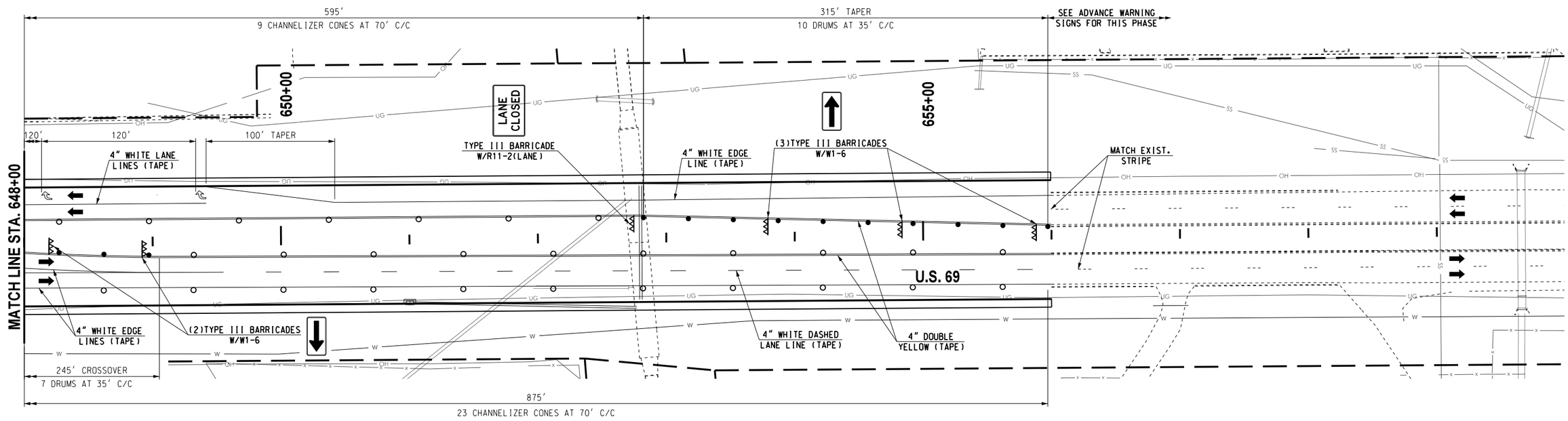
MUSKOGEE COUNTY

08-14-23 G:\0Projects\T-2385A - SD,SS,LT - EC-1576 US 69 Muskogee Plan Update\CAD\T051-2710804-TRAFFIC CONTROL PLAN PHASE 3 (5 OF 6).dgn

REVISIONS		
NO.	DESCRIPTION	DATE

CONTRACTOR SHALL BUILD ALL STREETS AND DRIVEWAYS HALF AT A TIME AS TO ALLOW ACCESS, AND SHALL MAINTAIN 11' MINIMUM LANE WIDTHS.

0 40' 80'



LEGEND

- TYPE III BARRICADE W/ TWO TYPE "B" LIGHTS
- ARROW DISPLAY (TYPE C)
- VERTICAL PANEL
- DRUM
- CHANNELIZER CONE
- TUBE CHANNELIZER
- PORTABLE LONGITUDINAL BARRIER
- CONSTRUCTION ZONE IMPACT ATTENUATOR
- WORK AREA

BEFORE YOU DIG CALL OKIE 1-800-522-OKIE 811

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

TRAFFIC CONTROL PLAN PHASE 3 (6 OF 6)

Project No. 2710804 Sheet No. T052

MUSKOGEE COUNTY

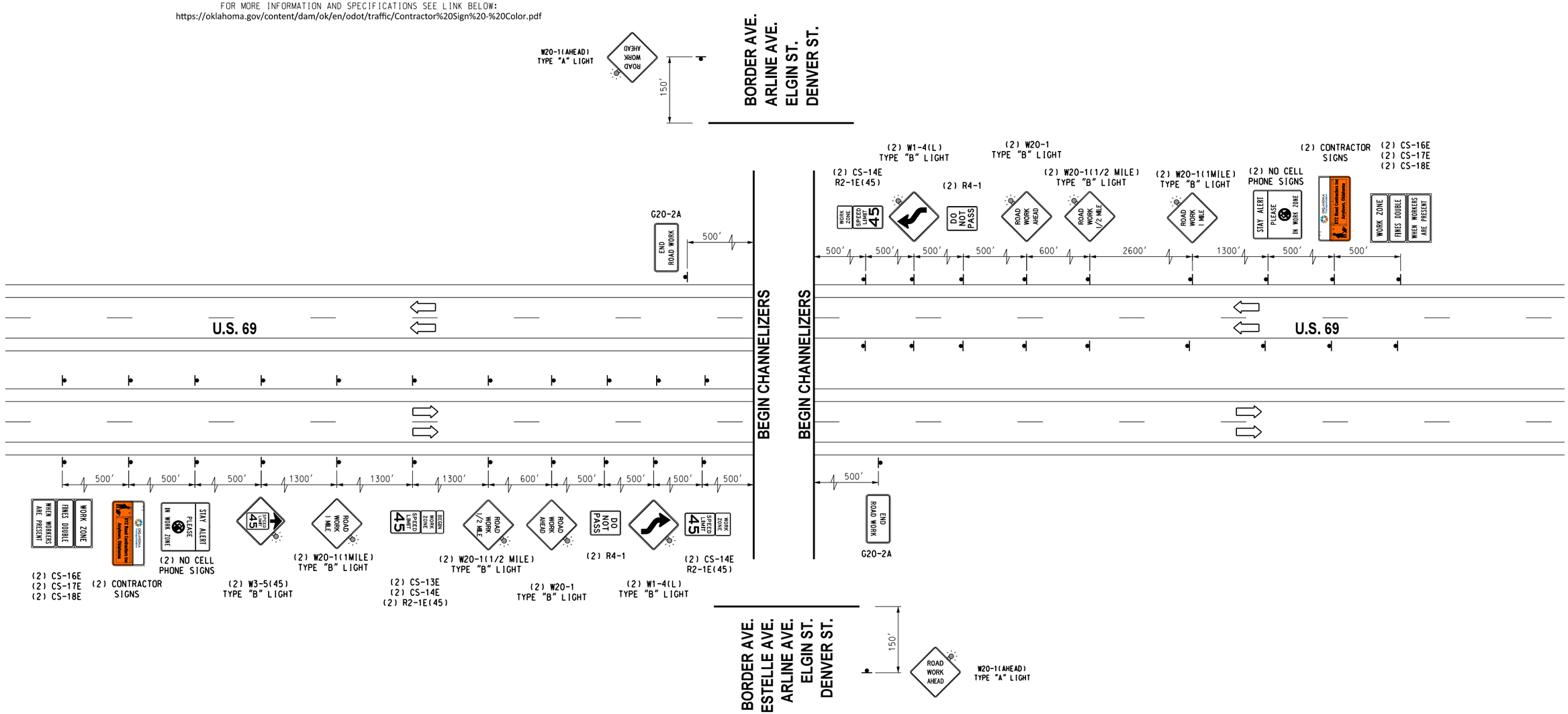
08-14-23 G:\OIProjects\T-2385A - SD,SS,LT - EC-1576 US 69 Muskogee Plan Update\CAD\T052-2710804-TRAFFIC CONTROL PLAN PHASE 3 (6 OF 6).dgn

REVISIONS		
NO.	DESCRIPTION	DATE

CONTRACTOR SIGN

CONTRACTOR SUPPLEMENTAL PLAQUES

FOR MORE INFORMATION AND SPECIFICATIONS SEE LINK BELOW:
https://oklahoma.gov/content/dam/ok/en/odot/traffic/Contractor%20Sign%20-%20Color.pdf



Phase 4.0 - U.S. Highway 69
Shift southbound traffic to inside driving lane. No changes to traffic operations on Northbound traffic from Sta 656 +00 to Sta 696+00. Construct southbound widening Perform grading, place Fabric, Agg. Base, prime coat, Cement Base. tack coat, and paving operations in detour from Sta 656+00 to Sta 696+00. Perform subgrade stabilization, grading and paving operations in southbound proposed detour (Typical Section No. 5)

DRAWING NOT TO SCALE

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

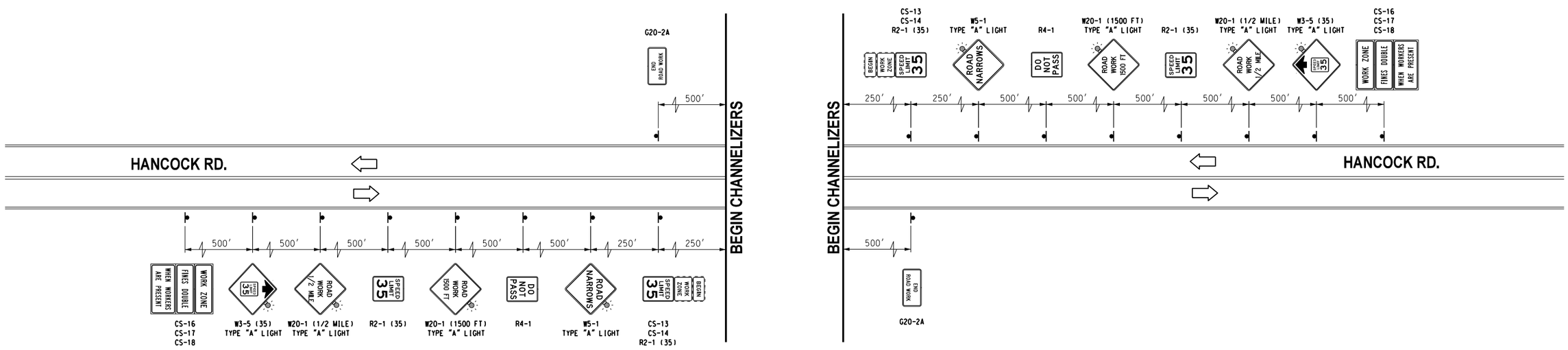
TYPICAL ADVANCE WARNING SIGNS PHASE 4

State Job No. 2710804 Sheet No. T053

MUSKOGEE COUNTY

08-14-23 G:\OProjects\T-2385A - SD,SS,LT - EC-1516 US 69 Muskogee Plan Update\CAD\T053-2710804-TYPICAL ADVANCE WARNING SIGNS PHASE 4.dgn

REVISIONS		
NO.	DESCRIPTION	DATE



DRAWING NOT TO SCALE

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC
A CLEAR DIRECTION

TYPICAL ADVANCE WARNING SIGNS
PHASE 4 (HANCOCK RD.)

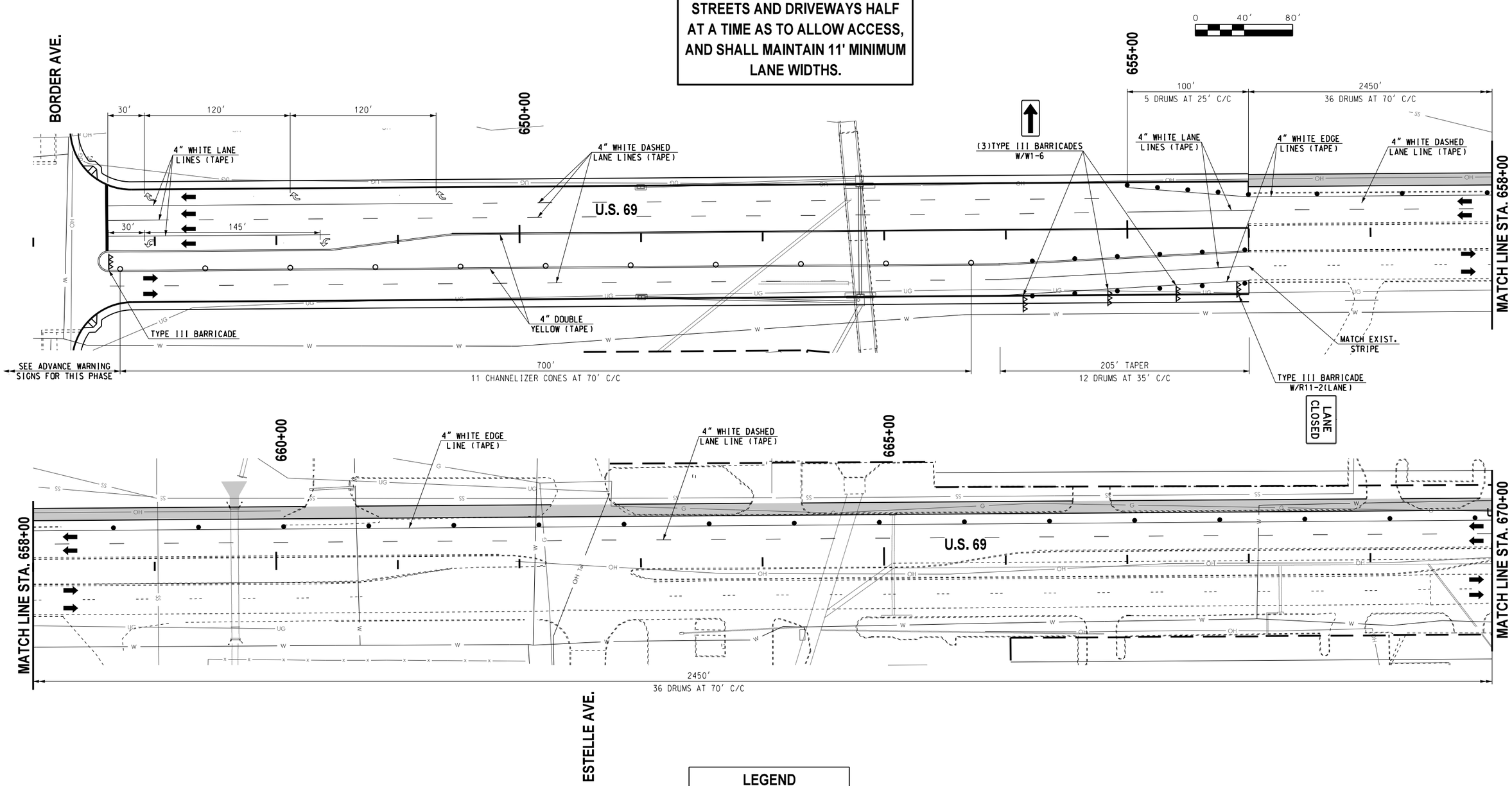
State Job No. 2710804 Sheet No. T054

MUSKOGEE COUNTY

08-14-23 G:\OProjects\T-2385A - SD,SS,LT - EC-576 US 69 Muskogee Plan Update\CAD\T054-2710804-TYPICAL ADVANCE WARNING SIGNS PHASE 4 (HANCOCK RD).dgn

REVISIONS		
NO.	DESCRIPTION	DATE

CONTRACTOR SHALL BUILD ALL STREETS AND DRIVEWAYS HALF AT A TIME AS TO ALLOW ACCESS, AND SHALL MAINTAIN 11' MINIMUM LANE WIDTHS.



LEGEND

- TYPE III BARRICADE W/ TWO TYPE "B" LIGHTS
- ARROW DISPLAY (TYPE C)
- VERTICAL PANEL
- DRUM
- CHANNELIZER CONE
- TUBE CHANNELIZER
- PORTABLE LONGITUDINAL BARRIER
- CONSTRUCTION ZONE IMPACT ATTENUATOR
- WORK AREA

BEFORE YOU DIG CALL OKIE 811 1-800-522-OKIE

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

TRAFFIC CONTROL PLAN
PHASE 4
(1 OF 3)

Project No. 2710804 Sheet No. T055

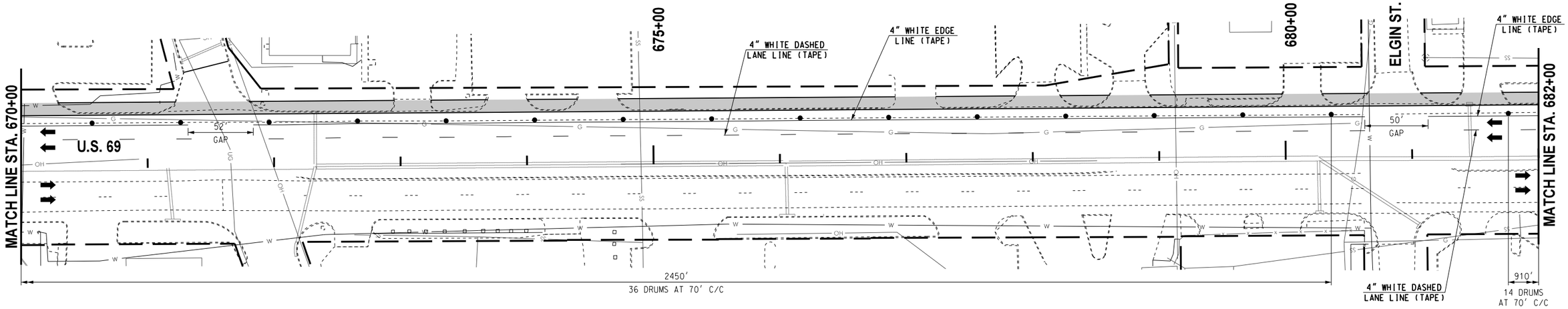
MUSKOGEE COUNTY

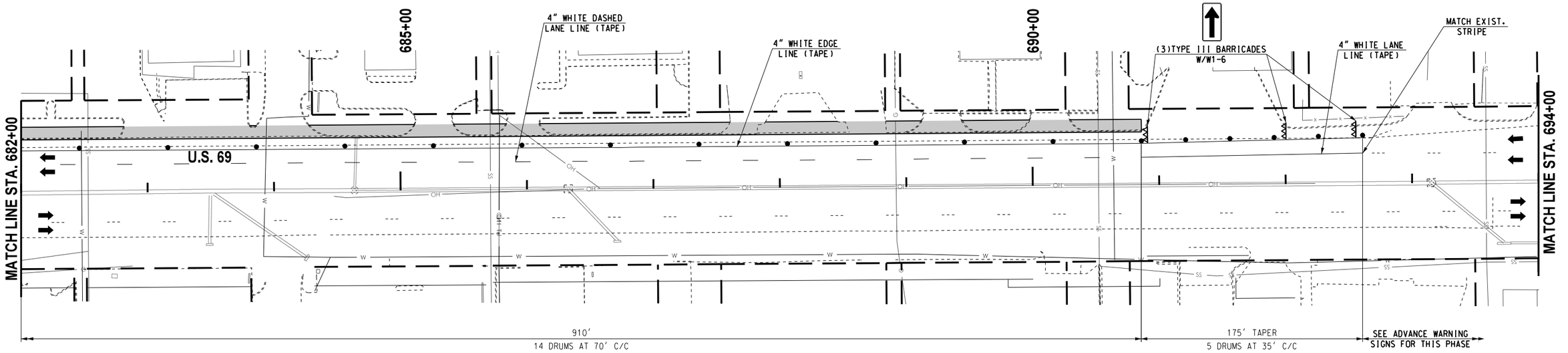
08-14-23 G:\0Projects\T-2385A - SD,SS,LT - EC-1516 US 69 Muskogee Plan Update\CAD\T055-2710804-TRAFFIC CONTROL PLAN PHASE 4 1OF 3.dgn

REVISIONS		
NO.	DESCRIPTION	DATE

CONTRACTOR SHALL BUILD ALL STREETS AND DRIVEWAYS HALF AT A TIME AS TO ALLOW ACCESS, AND SHALL MAINTAIN 11' MINIMUM LANE WIDTHS.

0 40' 80'





LEGEND

- TYPE III BARRICADE W/ TWO TYPE "B" LIGHTS
- ARROW DISPLAY (TYPE C)
- VERTICAL PANEL
- DRUM
- CHANNELIZER CONE
- TUBE CHANNELIZER
- PORTABLE LONGITUDINAL BARRIER
- CONSTRUCTION ZONE IMPACT ATTENUATOR
- WORK AREA

BEFORE YOU DIG CALL OKIE 811 1-800-522-OKIE

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

TRAFFIC CONTROL PLAN
PHASE 4
(2 OF 3)

Project No. 2710804 Sheet No. T056

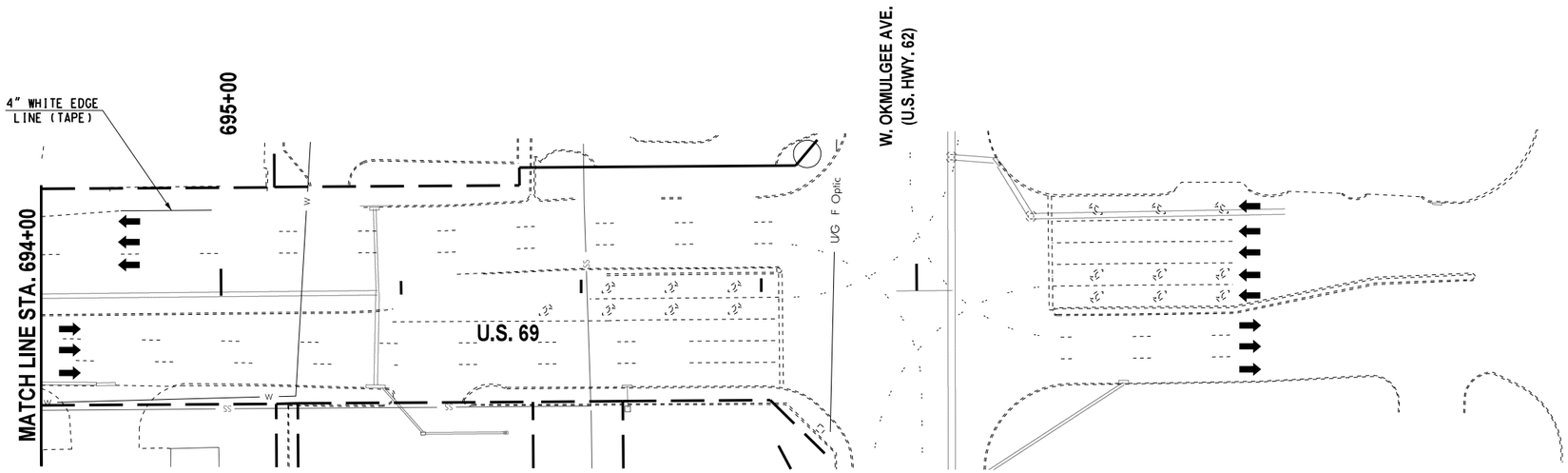
MUSKOGEE COUNTY

08:14-23 G:\OIProjects\T-2385A - SD,SS,LT - EC-1576 US 69 Muskogee Plan Update\CAD\T056-2710804-TRAFFIC CONTROL PLAN PHASE 4 (2 OF 3).dgn

REVISIONS		
NO.	DESCRIPTION	DATE

0 40' 80'

CONTRACTOR SHALL BUILD ALL STREETS AND DRIVEWAYS HALF AT A TIME AS TO ALLOW ACCESS, AND SHALL MAINTAIN 11' MINIMUM LANE WIDTHS.



LEGEND

- TYPE III BARRICADE W/ TWO TYPE "B" LIGHTS
- ARROW DISPLAY (TYPE C)
- VERTICAL PANEL
- DRUM
- CHANNELIZER CONE
- TUBE CHANNELIZER
- PORTABLE LONGITUDINAL BARRIER
- CONSTRUCTION ZONE IMPACT ATTENUATOR
- WORK AREA

BEFORE YOU DIG CALL OKIE 1-800-522-OKIE 811

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

TRAFFIC CONTROL PLAN
PHASE 4
(3 OF 3)

Project No. 2710804 Sheet No. T027

MUSKOGEE COUNTY

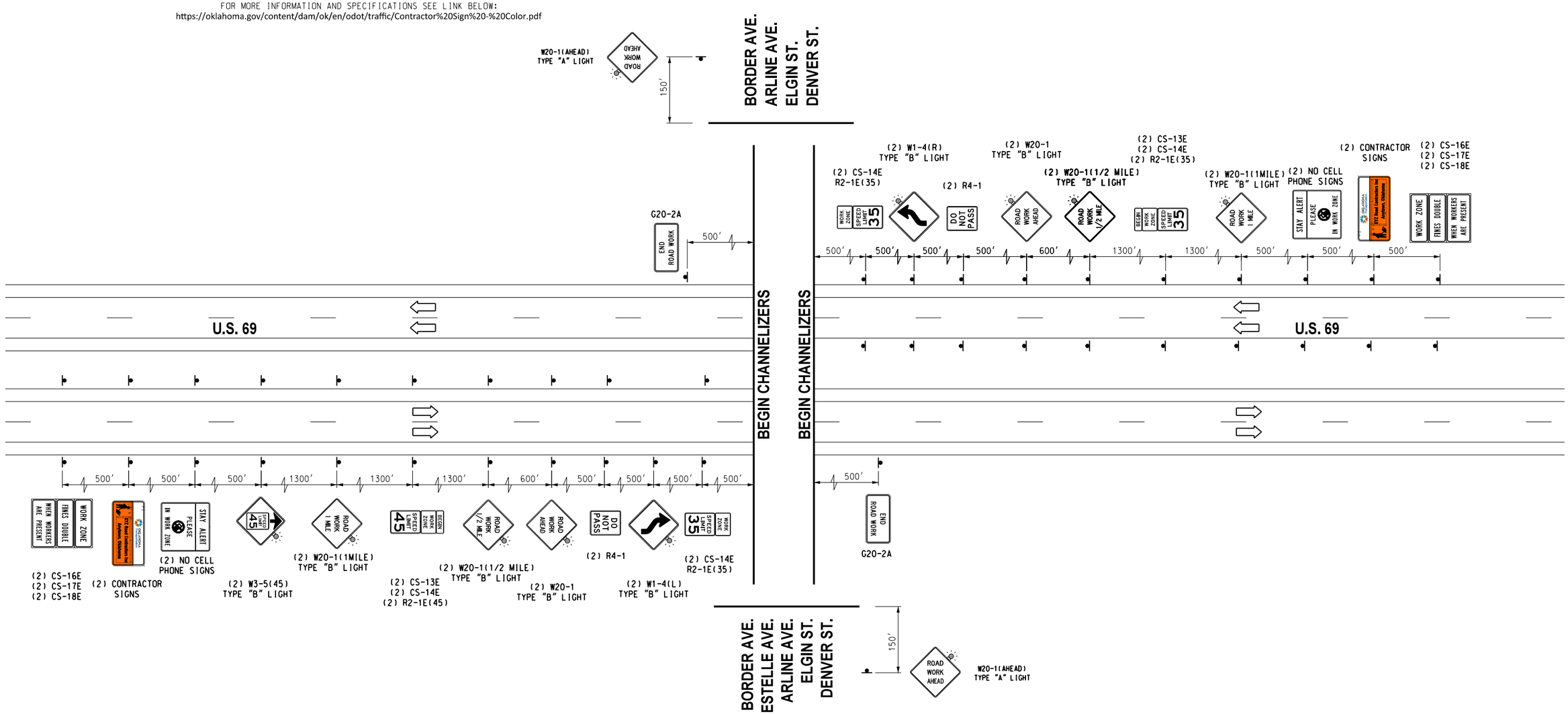
08-14-23 G:\OIProjects\T-2385A - SD,SS,LT - EC-1576 US 69 Muskogee Plan Update\CAD\T057-2710804-TRAFFIC CONTROL PLAN PHASE 4 (3 OF 3).dgn

REVISIONS		
NO.	DESCRIPTION	DATE

CONTRACTOR SIGN

CONTRACTOR SUPPLEMENTAL PLAQUES

FOR MORE INFORMATION AND SPECIFICATIONS SEE LINK BELOW:
https://oklahoma.gov/content/dam/ok/en/odot/traffic/Contractor%20Sign%20-%20Color.pdf



Phase 5.0 - U.S. Highway 69
Shift northbound and southbound traffic to outside driving lanes. Maintain two lane traffic from Sta 656 +00 to Sta 696+00. Construct center median pavement from Sta 656+00 to Sta 695+00. Install drainage junction boxes and Manholes. Install a 4ft RCP stub east from JNCT/MH of the CRL. Perform subgrade, Perform grading place Fabric, Agg. Base, prime coat, Cement Base, tack coat, and paving operations in proposed concrete center median (Typical Section No. 3 and Typical Section No. 4)

DRAWING NOT TO SCALE

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

TYPICAL ADVANCE WARNING SIGNS PHASE 5

State Job No. 2710804 Sheet No. T058

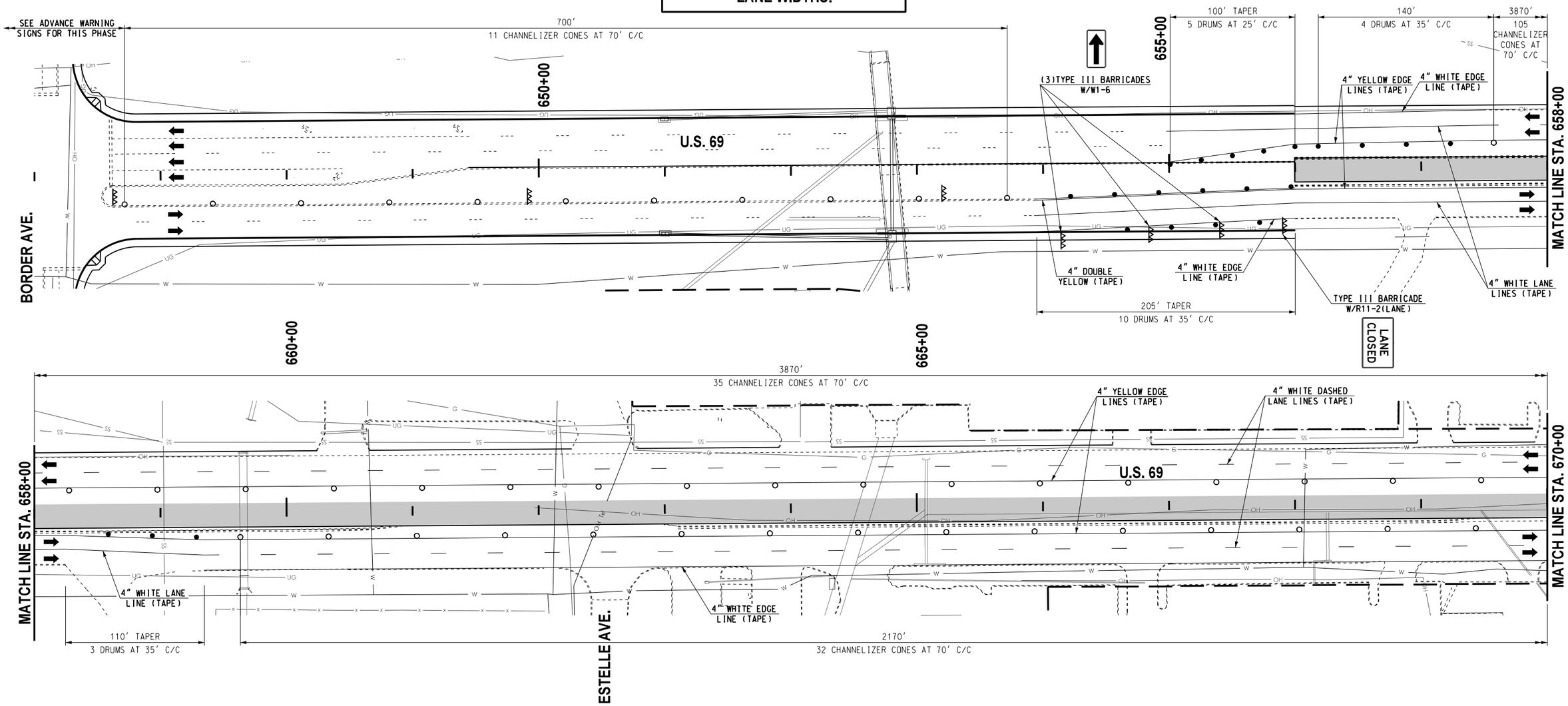
MUSKOGEE COUNTY

08-14-23 G:\0Projects\1-2385A - SD,SS,LT - EC-1516 US 69 Muskogee Plan Update\CAD\T058-2710804-TYPICAL ADVANCE WARNING SIGNS PHASE 5.dgn

REVISIONS		
NO.	DESCRIPTION	DATE

CONTRACTOR SHALL BUILD ALL STREETS AND DRIVEWAYS HALF AT A TIME AS TO ALLOW ACCESS, AND SHALL MAINTAIN 11' MINIMUM LANE WIDTHS.

0 40' 80'



LEGEND

- △△△ - TYPE III BARRICADE W/ TWO TYPE "B" LIGHTS
- - ARROW DISPLAY (TYPE C)
- - VERTICAL PANEL
- ● - DRUM
- ○ - CHANNELIZER CONE
- □ - TUBE CHANNELIZER
- - PORTABLE LONGITUDINAL BARRIER
- - CONSTRUCTION ZONE IMPACT ATTENUATOR
- - WORK AREA

BEFORE YOU DIG CALL OKIE 811 1-800-522-OKIE

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

TRAFFIC CONTROL PLAN
PHASE 5
(1 OF 3)

Project No. 2710804 Sheet No. T059

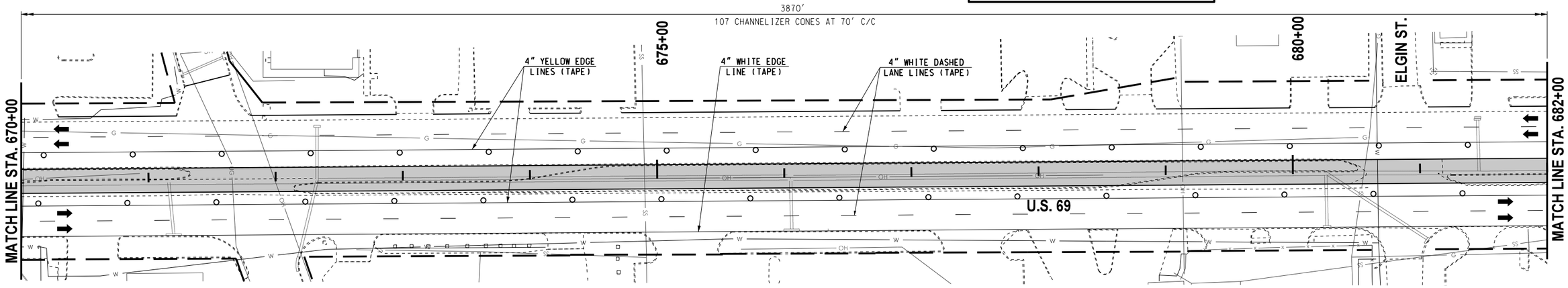
MUSKOGEE COUNTY

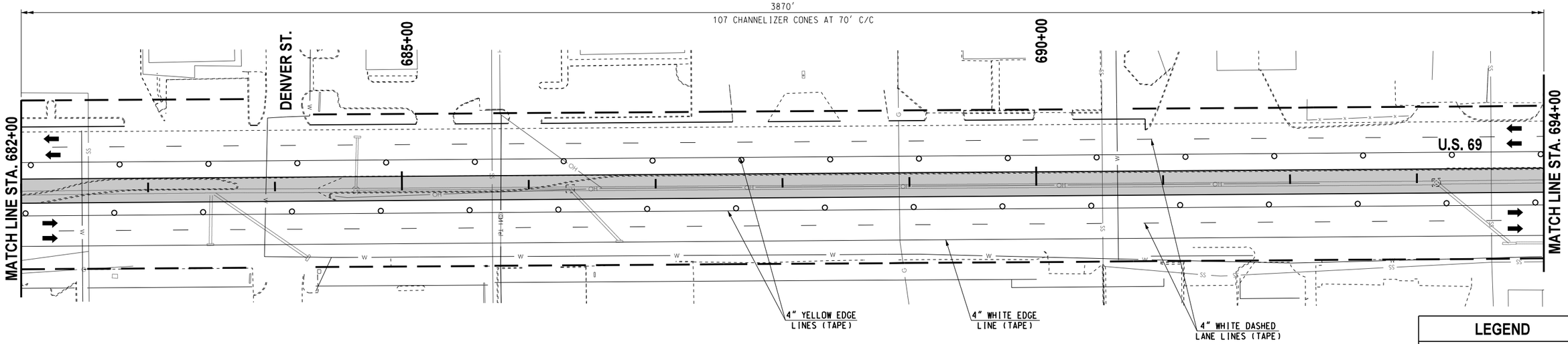
08-14-23 G:\OIProjects\T-2385A - SD,SS,LT - EC-1576 US 69 Muskogee Plan Update\CAD\T059-2710804-TRAFFIC CONTROL PLAN PHASE 5 (1OF 3).dgn

REVISIONS		
NO.	DESCRIPTION	DATE

CONTRACTOR SHALL BUILD ALL STREETS AND DRIVEWAYS HALF AT A TIME AS TO ALLOW ACCESS, AND SHALL MAINTAIN 10' MINIMUM LANE WIDTHS.

0 40' 80'





LEGEND

- TYPE III BARRICADE W/ TWO TYPE "B" LIGHTS
- ARROW DISPLAY (TYPE C)
- VERTICAL PANEL
- DRUM
- CHANNELIZER CONE
- TUBE CHANNELIZER
- PORTABLE LONGITUDINAL BARRIER
- CONSTRUCTION ZONE IMPACT ATTENUATOR
- WORK AREA

BEFORE YOU DIG CALL OKIE 811 1-800-522-OKIE

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

TRAFFIC CONTROL PLAN PHASE 5 (2 OF 3)

Project No. 2710804 Sheet No. T060

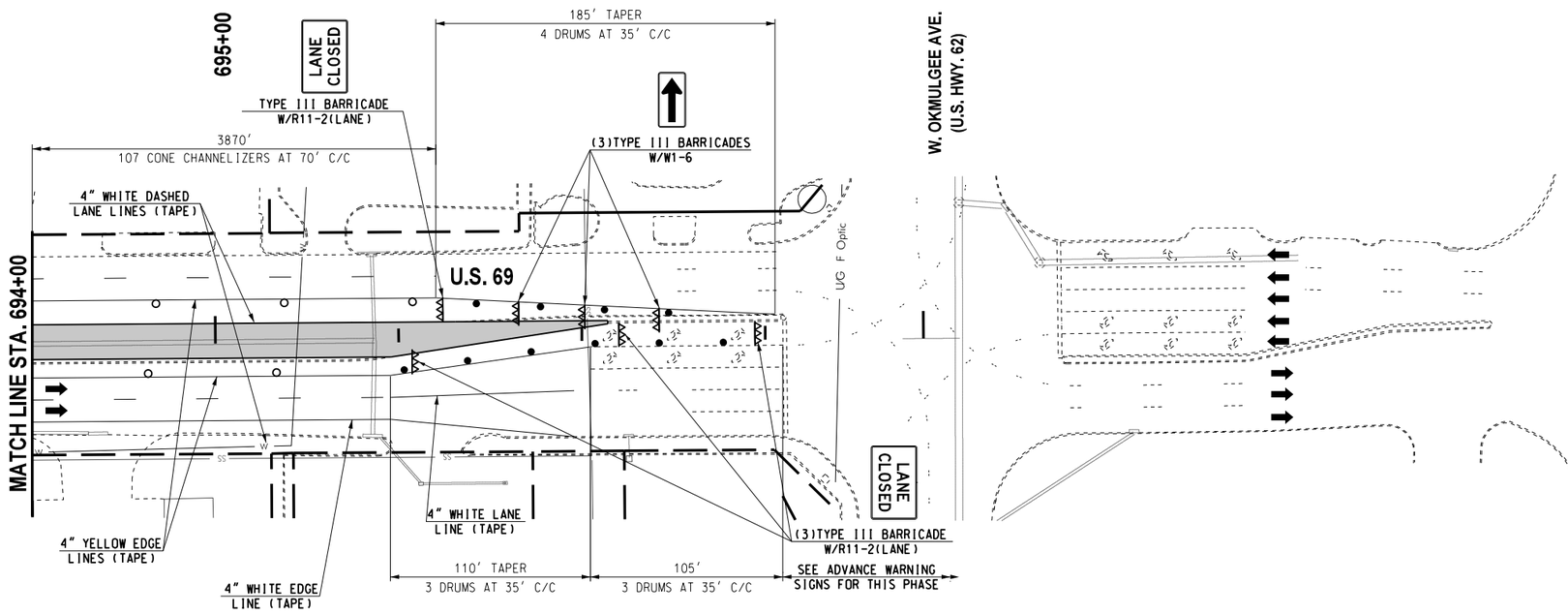
MUSKOGEE COUNTY

08-14-23 G:\0\Projects\1-2385A - SD,SS,LT - EC-1576 US 69 Muskogee Plan Update\CAD\T060-2710804-TRAFFIC CONTROL PLAN PHASE 5 (2 OF 3).dgn

REVISIONS		
NO.	DESCRIPTION	DATE

CONTRACTOR SHALL BUILD ALL STREETS AND DRIVEWAYS HALF AT A TIME AS TO ALLOW ACCESS, AND SHALL MAINTAIN 10' MINIMUM LANE WIDTHS.

0 40' 80'



LEGEND

- TYPE III BARRICADE W/ TWO TYPE "B" LIGHTS
- ARROW DISPLAY (TYPE C)
- VERTICAL PANEL
- DRUM
- CHANNELIZER CONE
- TUBE CHANNELIZER
- PORTABLE LONGITUDINAL BARRIER
- CONSTRUCTION ZONE IMPACT ATTENUATOR
- WORK AREA

BEFORE YOU DIG CALL OKIE 1-800-522-OKIE 811

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

TRAFFIC CONTROL PLAN PHASE 5 (3 OF 3)

Project No. 2710804 Sheet No. T061

MUSKOGEE COUNTY

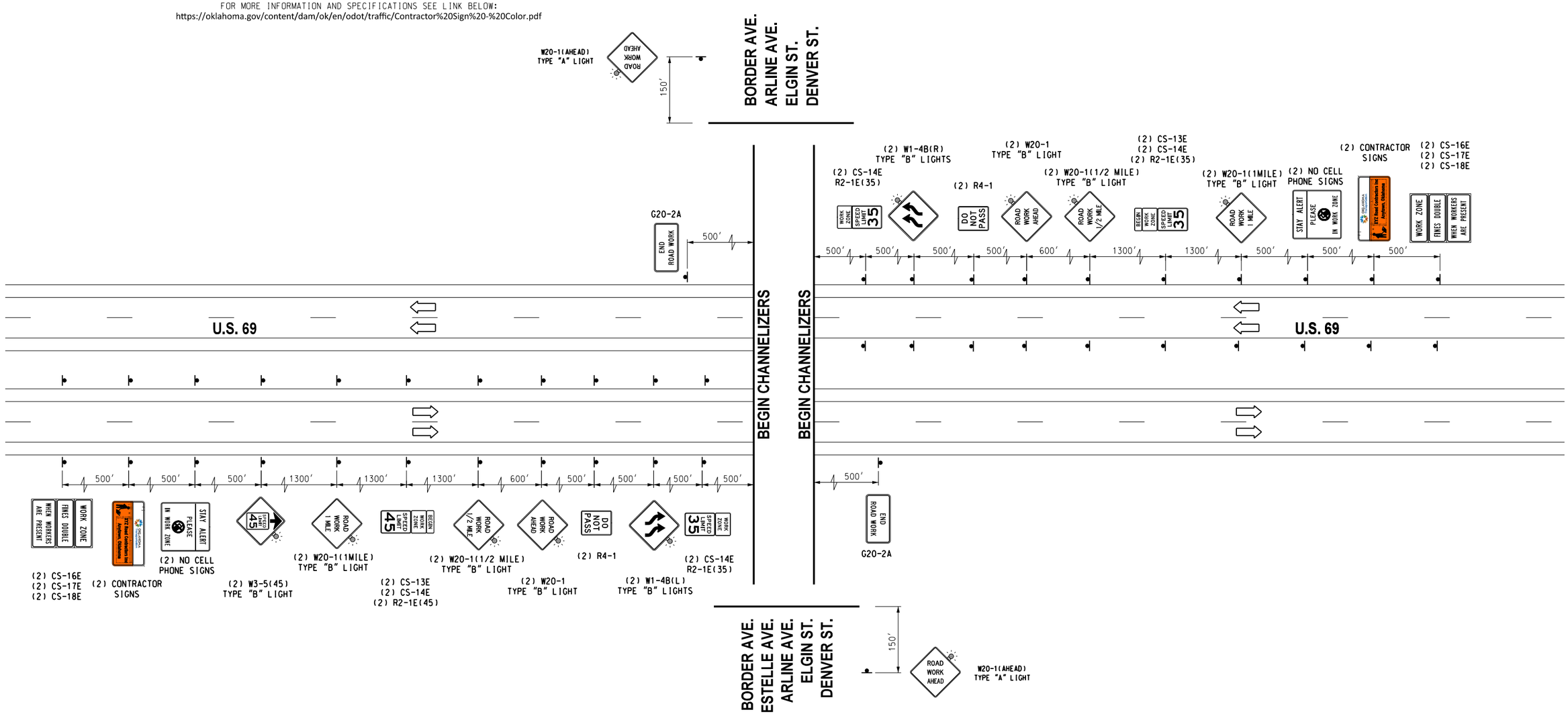
08-14-23 G:\0Projects\T-2385A - SD,SS,LT - EC-1576 US 69 Muskogee Plan Update\CAD\T061-2710804-TRAFFIC CONTROL PLAN PHASE 5 (3 OF 3).dgn

REVISIONS		
NO.	DESCRIPTION	DATE

CONTRACTOR SIGN

CONTRACTOR SUPPLEMENTAL PLAQUES

FOR MORE INFORMATION AND SPECIFICATIONS SEE LINK BELOW:
https://oklahoma.gov/content/dam/ok/en/odot/traffic/Contractor%20Sign%20-%20Color.pdf



Phase 6.0 - U.S. Highway 69
Crossover northbound traffic to southbound inside driving lanes. (Maintain two-lane two-way traffic) lanes both ways from Sta 656 +00 to Sta 696+00. Install drainage structures No. 7-10A, 12, -14, 17,18, 20-J23, 25-J30, 32, 34-36, 38-45,46. Construct northbound widening: Perform grading, place Fabric, Agg. Base, prime coat, Cement Base. tack coat, and paving operations, construct proposed curbs, gutters, sidewalks, & Driveways. Perform northbound shoulder operations such as subgrade, grading and paving operations to Sta. 656+00 (Typical Section No. 3) Construct northbound pavement from Sta 656+00 to Sta 696+00.

DRAWING NOT TO SCALE

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

TYPICAL ADVANCE WARNING SIGNS PHASE 6

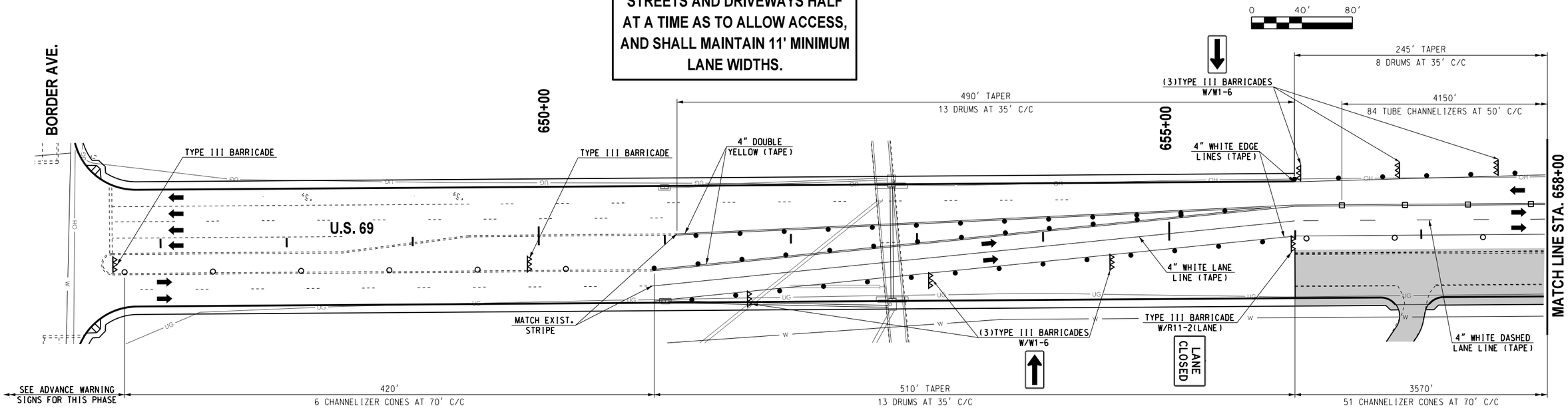
State Job No. 2710804 Sheet No. T062

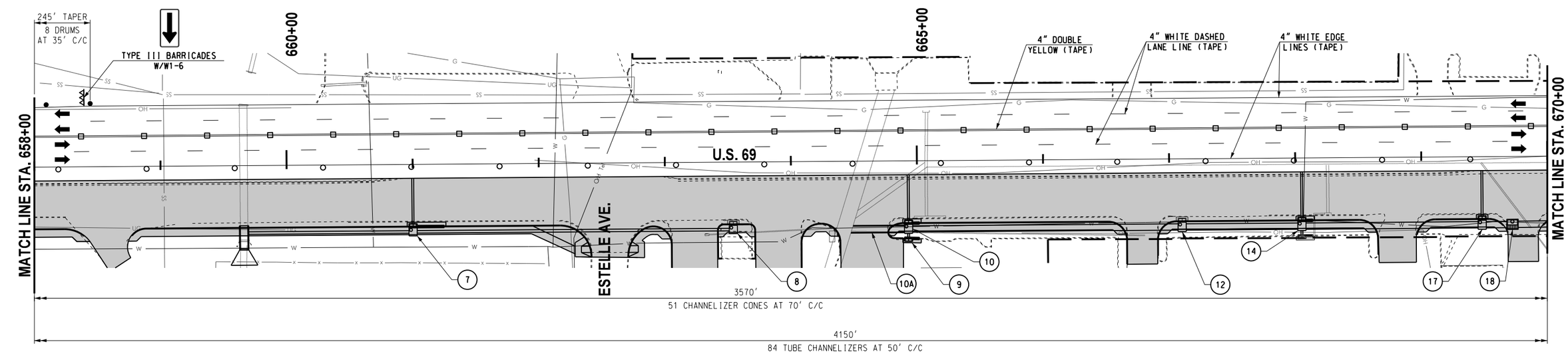
MUSKOGEE COUNTY

08-14-23 G:\O\Projects\1-2385A - SD,SS,LT - EC-1516 US 69 Muskogee Plan Update\CAD\T062-2710804-TYPICAL ADVANCE WARNING SIGNS PHASE 6.dgn

REVISIONS		
NO.	DESCRIPTION	DATE

CONTRACTOR SHALL BUILD ALL STREETS AND DRIVEWAYS HALF AT A TIME AS TO ALLOW ACCESS, AND SHALL MAINTAIN 11' MINIMUM LANE WIDTHS.





LEGEND

- TYPE III BARRICADE W/ TWO TYPE "B" LIGHTS
- ARROW DISPLAY (TYPE C)
- VERTICAL PANEL
- DRUM
- CHANNELIZER CONE
- TUBE CHANNELIZER
- PORTABLE LONGITUDINAL BARRIER
- CONSTRUCTION ZONE IMPACT ATTENUATOR
- WORK AREA

BEFORE YOU DIG CALL OKIE 1-800-522-OKIE 811

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

TRAFFIC CONTROL PLAN
PHASE 6
(1 OF 3)

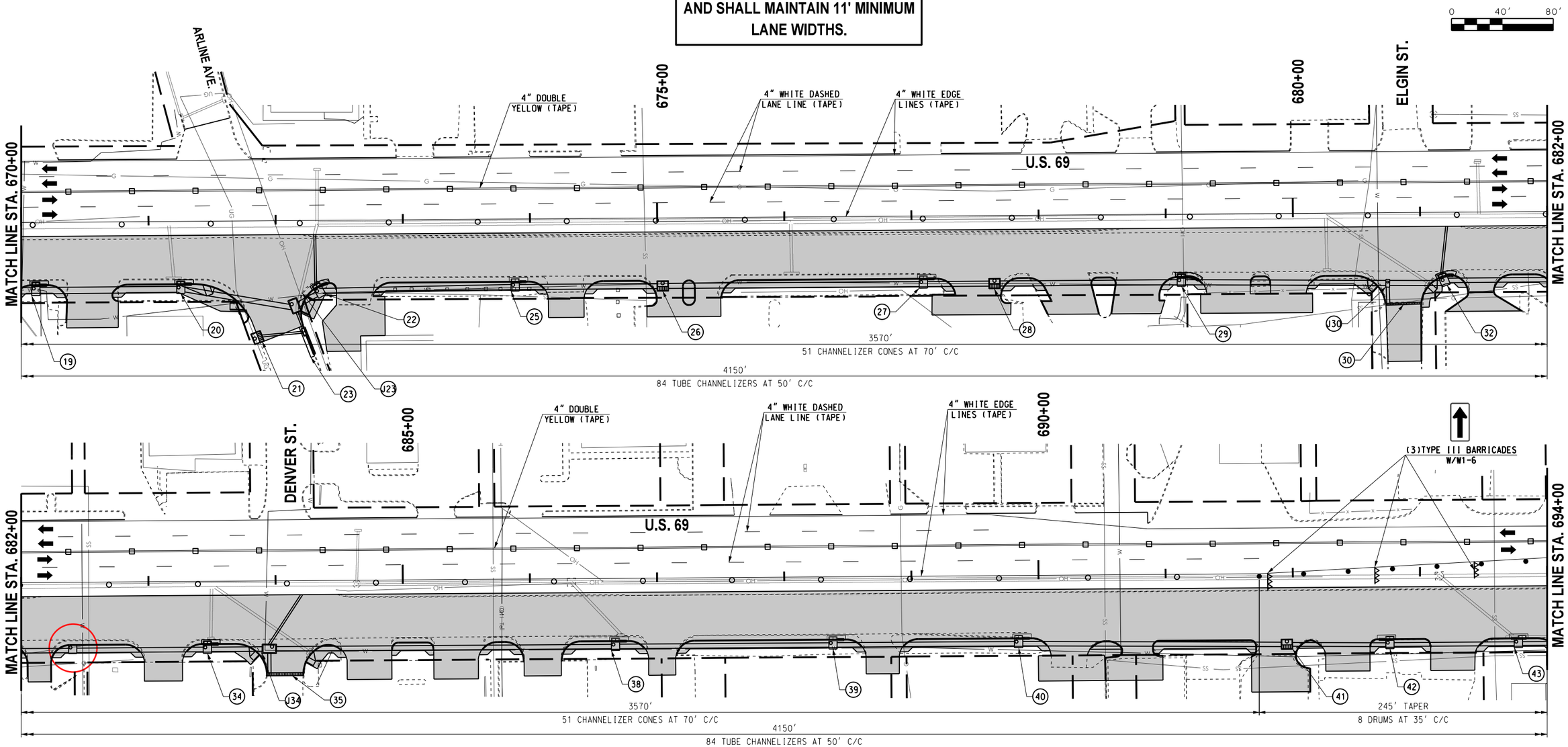
Project No. 2710804 Sheet No. T063

MUSKOGEE COUNTY

08-14-23 G:\DProjects\1-2385A - SD,SS,LT - EC-1576 US 69 Muskogee Plan Update\CAD\T063-2710804-TRAFFIC CONTROL PLAN PHASE 6 1(OF 3).dgn

REVISIONS		
NO.	DESCRIPTION	DATE

CONTRACTOR SHALL BUILD ALL STREETS AND DRIVEWAYS HALF AT A TIME AS TO ALLOW ACCESS, AND SHALL MAINTAIN 11' MINIMUM LANE WIDTHS.



LEGEND

- TYPE III BARRICADE W/ TWO TYPE "B" LIGHTS
- ARROW DISPLAY (TYPE C)
- VERTICAL PANEL
- DRUM
- CHANNELIZER CONE
- TUBE CHANNELIZER
- PORTABLE LONGITUDINAL BARRIER
- CONSTRUCTION ZONE IMPACT ATTENUATOR
- WORK AREA

BEFORE YOU DIG CALL OKIE 811 1-800-522-OKIE

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

TRAFFIC CONTROL PLAN PHASE 6 (2 OF 3)

Project No. 2710804 Sheet No. T064

MUSKOGEE COUNTY

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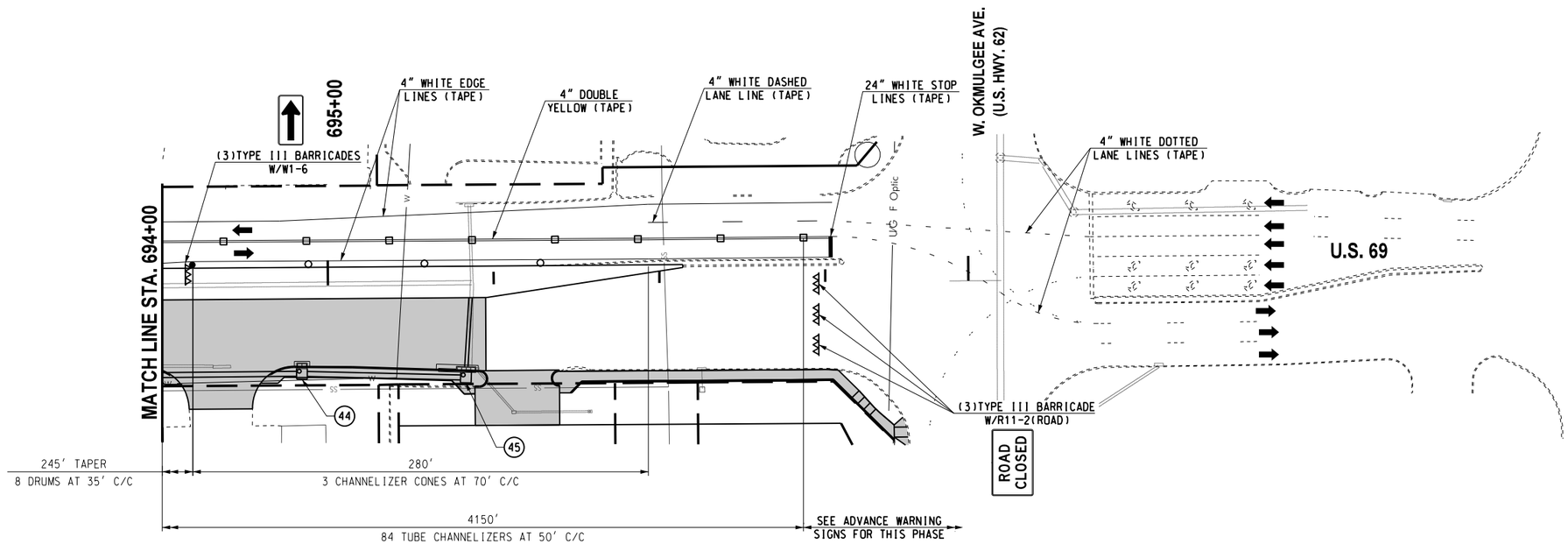
REVISIONS		
NO.	DESCRIPTION	DATE

0 40' 80'

CONTRACTOR SHALL BUILD ALL STREETS AND DRIVEWAYS HALF AT A TIME AS TO ALLOW ACCESS, AND SHALL MAINTAIN 11' MINIMUM LANE WIDTHS.



LEGEND

- TYPE III BARRICADE W/ TWO TYPE "B" LIGHTS
- ARROW DISPLAY (TYPE C)
- VERTICAL PANEL
- DRUM
- CHANNELIZER CONE
- TUBE CHANNELIZER
- PORTABLE LONGITUDINAL BARRIER
- CONSTRUCTION ZONE IMPACT ATTENUATOR
- WORK AREA

BEFORE YOU DIG CALL OKIE 1-800-522-OKIE 811

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

TRAFFIC CONTROL PLAN
PHASE 6
(3 OF 3)

Project No. 2710804 Sheet No. T065

MUSKOGEE COUNTY

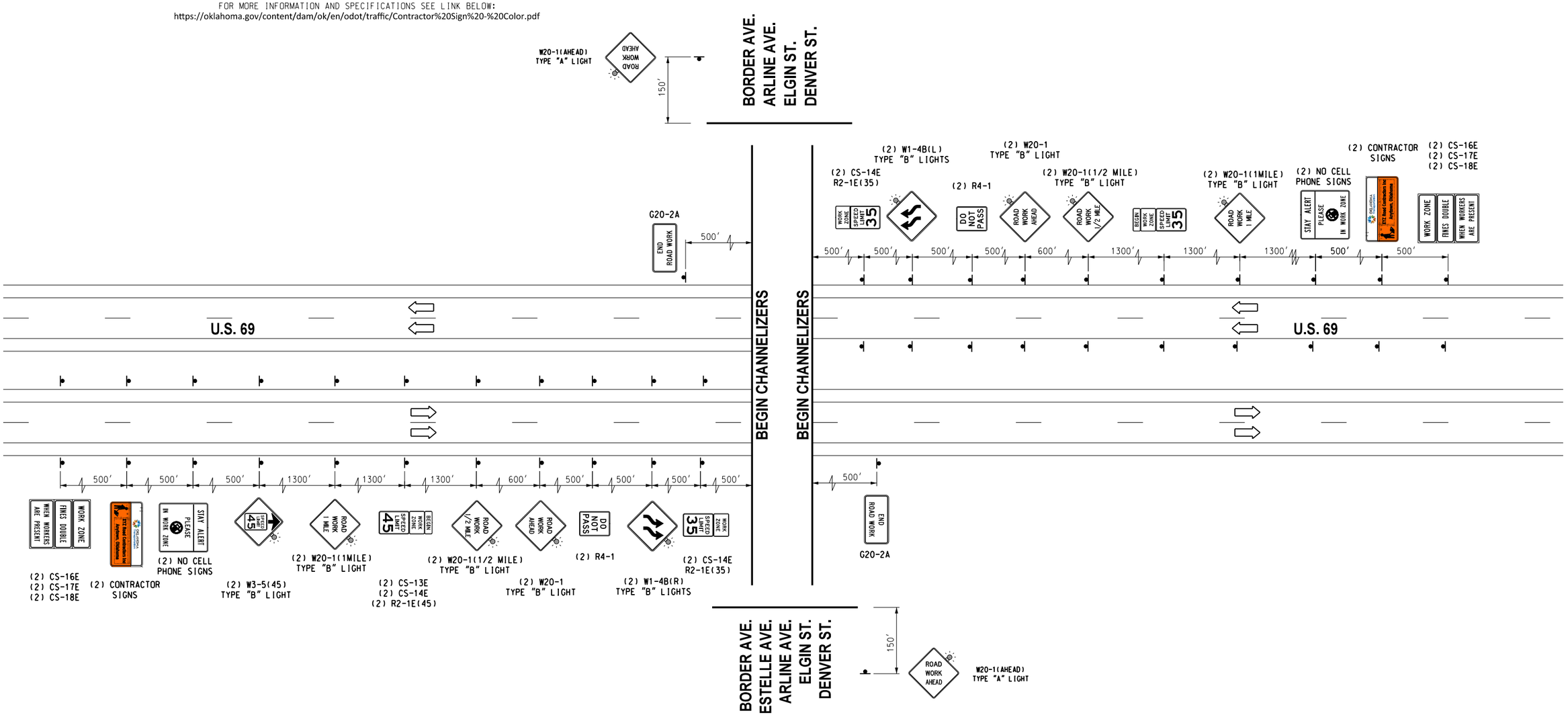
08-14-23 G:\OIProjects\T-2385A - SD,SS,LT - EC-1576 US 69 Muskogee Plan Update\CAD\T065-2710804-TRAFFIC CONTROL PLAN PHASE 6 (3 OF 3).dgn

REVISIONS		
NO.	DESCRIPTION	DATE

CONTRACTOR SIGN

CONTRACTOR SUPPLEMENTAL PLAQUES

FOR MORE INFORMATION AND SPECIFICATIONS SEE LINK BELOW:
https://oklahoma.gov/content/dam/ok/en/odot/traffic/Contractor%20Sign%20-%20Color.pdf



Phase 7.0 - U.S. Highway 69
Move northbound traffic to northbound outside driving lanes. Crossover southbound traffic to northbound inside driving lanes. (Maintain two-lane two-way traffic) from Sta 656 +00 to Sta 696+00. Remove temporary widening. Install drainage structures Install drainage structures No. CD5, 6, 11, 15,16, 24, 33, & 37. Construct southbound widening: Perform grading place Fabric, Agg. Base, prime coat, Cement Base. tack coat, and paving operations, construct proposed curbs, gutters, sidewalks, & Driveways. Perform southbound shoulder operations such as subgrade, grading and paving operations to Sta. 656+00 (Typical Section No. 3) Construct northbound pavement from Sta 656+00 to Sta 696+00.

DRAWING NOT TO SCALE

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

TYPICAL ADVANCE WARNING SIGNS PHASE 7

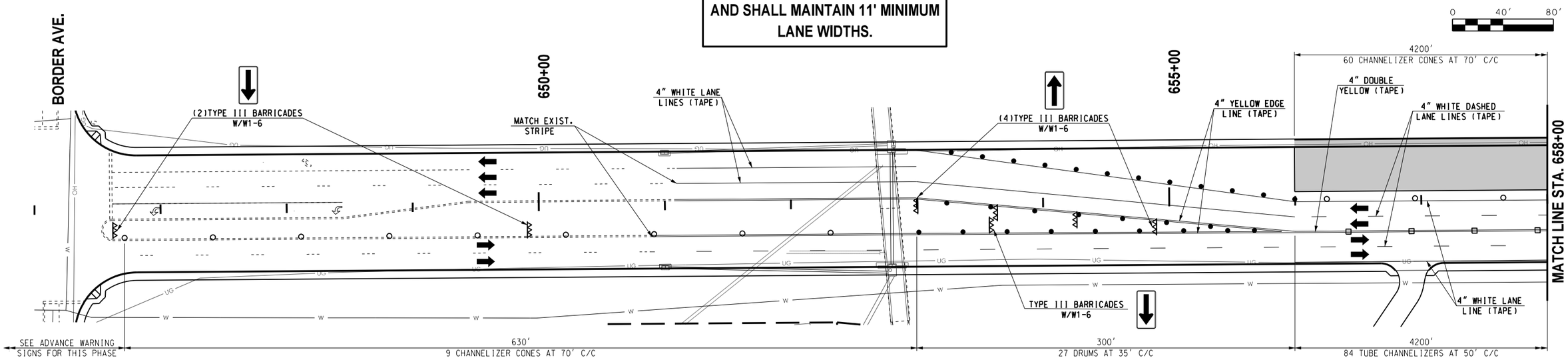
State Job No. 2710804 Sheet No. T066

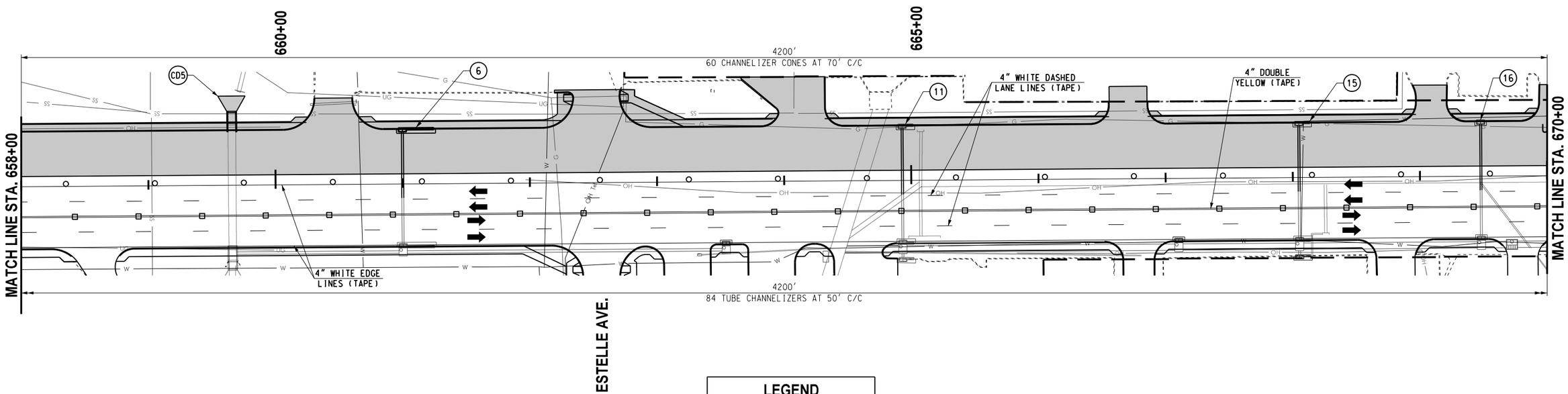
MUSKOGEE COUNTY

08-14-23 G:\O\Projects\T-2385A - SD,SS,LT - EC-1516 US 69 Muskogee Plan Update\CAD\T066-2710804-TYPICAL ADVANCE WARNING SIGNS PHASE 7.dgn

REVISIONS		
NO.	DESCRIPTION	DATE

CONTRACTOR SHALL BUILD ALL STREETS AND DRIVEWAYS HALF AT A TIME AS TO ALLOW ACCESS, AND SHALL MAINTAIN 11' MINIMUM LANE WIDTHS.





LEGEND

- TYPE III BARRICADE W/ TWO TYPE "B" LIGHTS
- ARROW DISPLAY (TYPE C)
- VERTICAL PANEL
- DRUM
- CHANNELIZER CONE
- TUBE CHANNELIZER
- PORTABLE LONGITUDINAL BARRIER
- CONSTRUCTION ZONE IMPACT ATTENUATOR
- WORK AREA

BEFORE YOU DIG CALL OKIE 1-800-522-OKIE 811

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

TRAFFIC CONTROL PLAN PHASE 7 (1 OF 3)

Project No. 2710804 Sheet No. T067

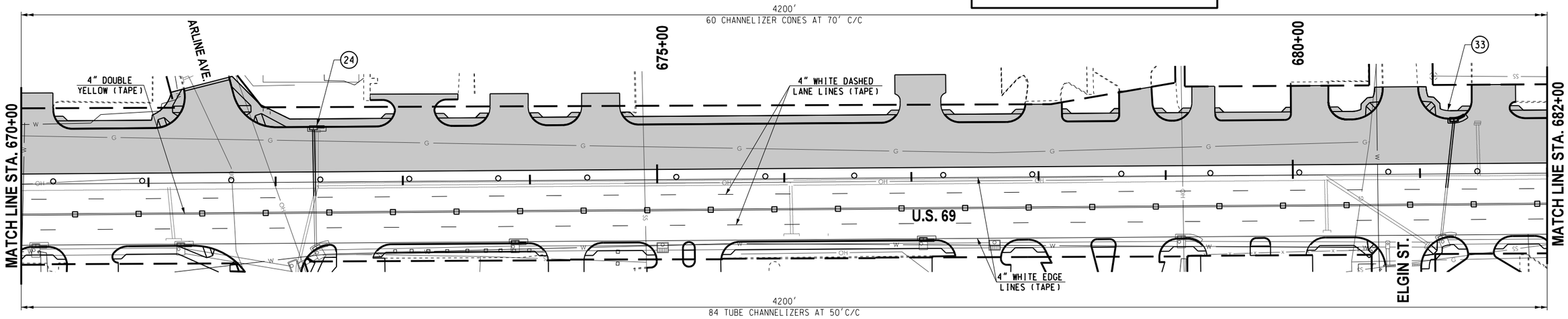
MUSKOGEE COUNTY

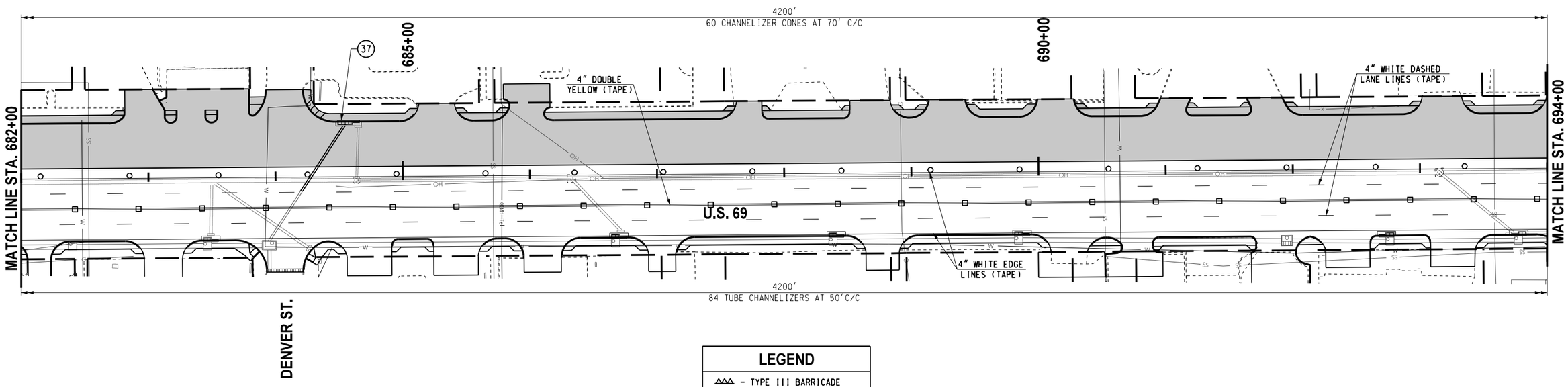
08-14-23 G:\DProjects\1-2385A - SD,SS,LT - EC-1516 US 69 Muskogee Plan Update\CAD\T067-2710804-TRAFFIC CONTROL PLAN PHASE 7 (1OF 3).dgn

REVISIONS		
NO.	DESCRIPTION	DATE

CONTRACTOR SHALL BUILD ALL STREETS AND DRIVEWAYS HALF AT A TIME AS TO ALLOW ACCESS, AND SHALL MAINTAIN 11' MINIMUM LANE WIDTHS.

0 40' 80'





LEGEND

- TYPE III BARRICADE W/ TWO TYPE "B" LIGHTS
- ARROW DISPLAY (TYPE C)
- VERTICAL PANEL
- DRUM
- CHANNELIZER CONE
- TUBE CHANNELIZER
- PORTABLE LONGITUDINAL BARRIER
- CONSTRUCTION ZONE IMPACT ATTENUATOR
- WORK AREA

BEFORE YOU DIG CALL OKIE 811 1-800-522-OKIE

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

TRAFFIC CONTROL PLAN PHASE 7 (2 OF 3)

Project No. 2710804 Sheet No. T068

MUSKOGEE COUNTY

08-14-23 G:\0Projects\T-2385A - SD,SS,LT - EC-1576 US 69 Muskogee Plan Update\CAD\T068-2710804-TRAFFIC CONTROL PLAN PHASE 7 (2 OF 3).dgn

REVISIONS		
NO.	DESCRIPTION	DATE

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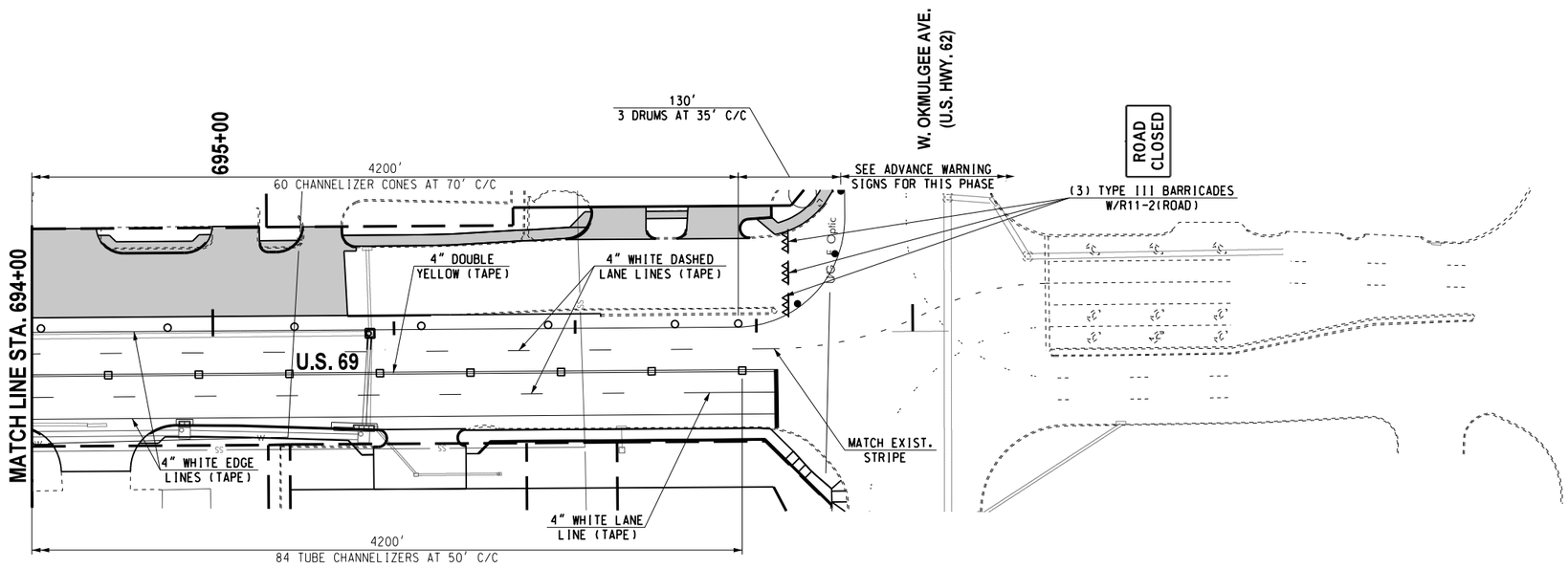
CONTRACTOR SHALL BUILD ALL STREETS AND DRIVEWAYS HALF AT A TIME AS TO ALLOW ACCESS, AND SHALL MAINTAIN 11' MINIMUM LANE WIDTHS.



LEGEND

- △△△ - TYPE III BARRICADE W/ TWO TYPE "B" LIGHTS
- ●● - ARROW DISPLAY (TYPE C)
- ◁▮▷ - VERTICAL PANEL
- ● - DRUM
- ○ - CHANNELIZER CONE
- □ - TUBE CHANNELIZER
- ▬ - PORTABLE LONGITUDINAL BARRIER
- ▬ - CONSTRUCTION ZONE IMPACT ATTENUATOR
- ▒ - WORK AREA

BEFORE YOU DIG 1-800-522-OKIE 811 CALL OKIE

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

TRAFFIC CONTROL PLAN
PHASE 7
(3 OF 3)

Project No. 2710804 Sheet No. T069

MUSKOGEE COUNTY

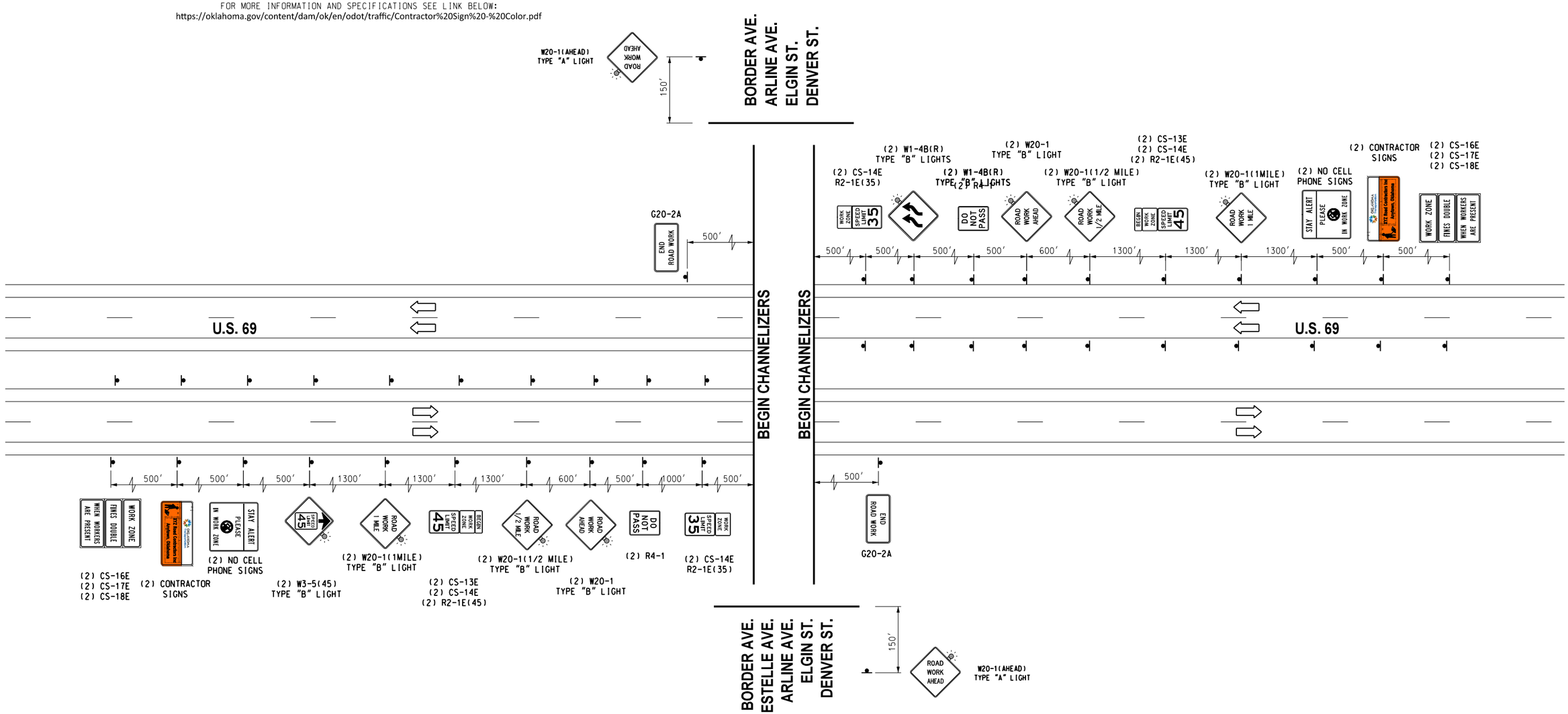
08-14-23 G:\OIProjects\1-2385A - SD,SS,LT - EC-1576 US 69 Muskogee Plan Update\CAD\T069-2710804-TRAFFIC CONTROL PLAN PHASE 7 (3 OF 3).dgn

REVISIONS		
NO.	DESCRIPTION	DATE

CONTRACTOR SIGN

CONTRACTOR SUPPLEMENTAL PLAQUES

FOR MORE INFORMATION AND SPECIFICATIONS SEE LINK BELOW:
https://oklahoma.gov/content/dam/ok/en/odot/traffic/Contractor%20Sign%20-%20Color.pdf



Phase 8.0 - U.S. Highway 69
Move northbound traffic to northbound outside driving lanes. Shift southbound traffic to southbound outside driving lanes. (Maintain two-lane two-way traffic) from Sta 566 +00 to Sta 696+00. Remove temporary crossovers. Construct raised concrete medians. Complete final minor grading and paving operations. Complete permanent traffic control including pavement markings and signs. Complete permanent erosion control measure. Ensure all trash and debris has been removed from the construction site.

DRAWING NOT TO SCALE

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

TYPICAL ADVANCE WARNING SIGNS PHASE 8

State Job No. 2710804 Sheet No. T070

MUSKOGEE COUNTY

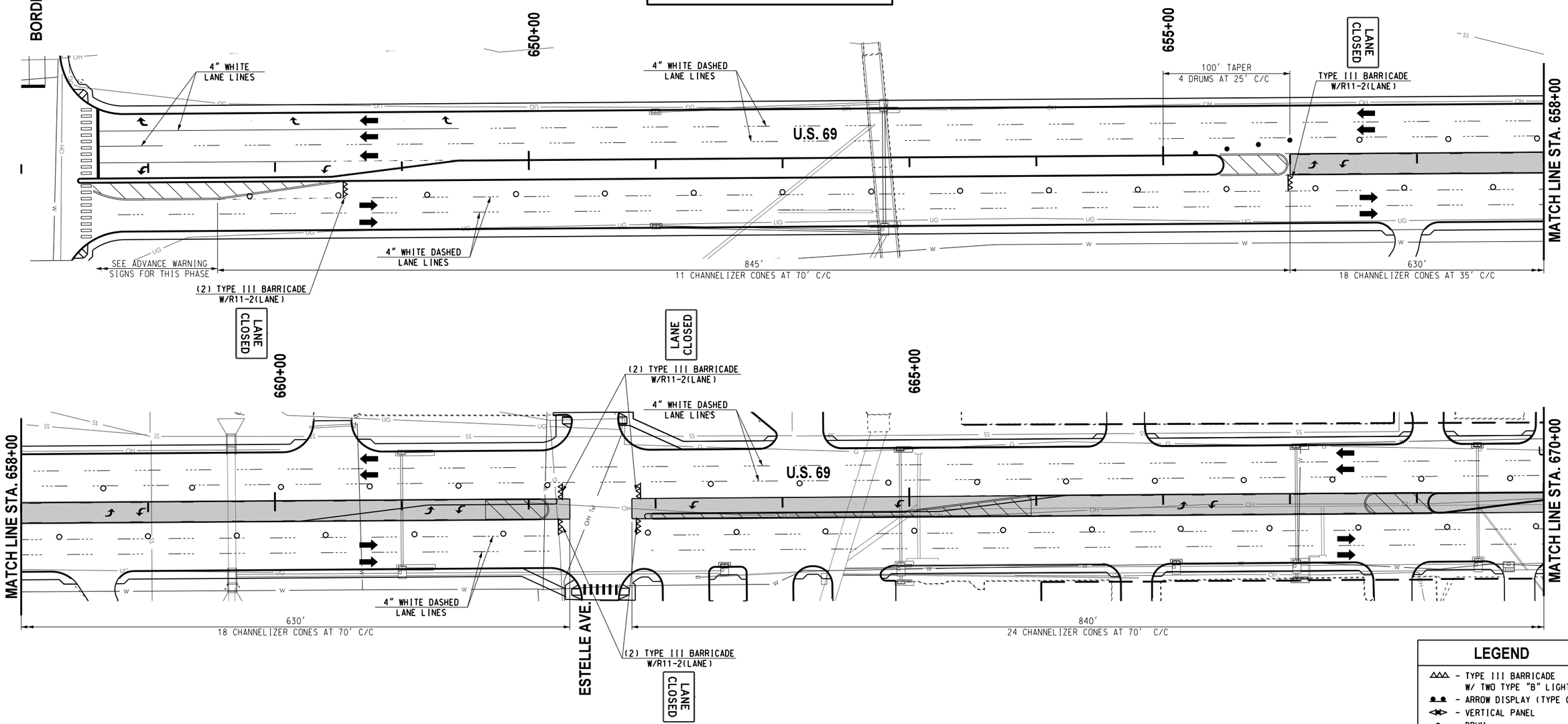
08-14-23 G:\O\Projects\1-2385A - SD,SS,LT - EC-1516 US 69 Muskogee Plan Update\CAD\T070-2710804-TYPICAL ADVANCE WARNING SIGNS PHASE 8.dgn

REVISIONS		
NO.	DESCRIPTION	DATE

FOR STRIPING DIMENSIONS NOT SHOWN REFER TO THE PERMANENT SIGNING AND STRIPING PLANS

CONTRACTOR SHALL BUILD ALL STREETS AND DRIVEWAYS HALF AT A TIME AS TO ALLOW ACCESS, AND SHALL MAINTAIN 11' MINIMUM LANE WIDTHS.

0 40' 80'



LEGEND

- TYPE III BARRICADE W/ TWO TYPE "B" LIGHTS
- ARROW DISPLAY (TYPE C)
- VERTICAL PANEL
- DRUM
- CHANNELIZER CONE
- TUBE CHANNELIZER
- PORTABLE LONGITUDINAL BARRIER
- CONSTRUCTION ZONE IMPACT ATTENUATOR
- WORK AREA

BEFORE YOU DIG CALL OKIE 811 1-800-522-OKIE

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

TRAFFIC CONTROL PLAN PHASE 8 (1 OF 3)

Project No. 2710804 Sheet No. T071

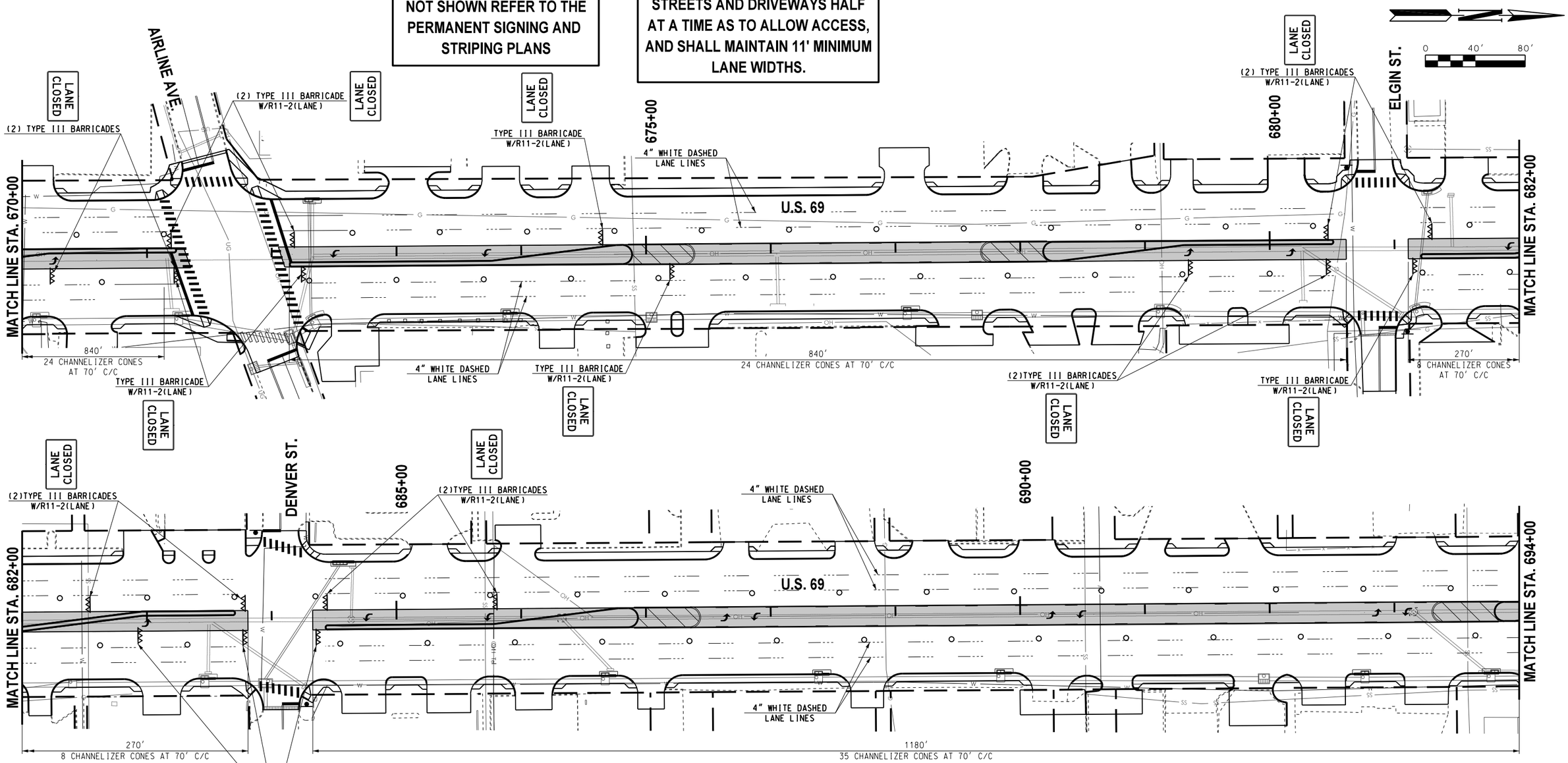
MUSKOGEE COUNTY

08-14-23 G:\OIProjects\T-2385A - SD,SS,LT - EC-1576 US 69 Muskogee Plan Update\CAD\T071-2710804-TRAFFIC CONTROL PLAN PHASE 8 (1OF 3).dgn

REVISIONS		
NO.	DESCRIPTION	DATE

FOR STRIPING DIMENSIONS NOT SHOWN REFER TO THE PERMANENT SIGNING AND STRIPING PLANS

CONTRACTOR SHALL BUILD ALL STREETS AND DRIVEWAYS HALF AT A TIME AS TO ALLOW ACCESS, AND SHALL MAINTAIN 11' MINIMUM LANE WIDTHS.



LEGEND

- TYPE III BARRICADE W/ TWO TYPE "B" LIGHTS
- ARROW DISPLAY (TYPE C)
- VERTICAL PANEL
- DRUM
- CHANNELIZER CONE
- TUBE CHANNELIZER
- PORTABLE LONGITUDINAL BARRIER
- CONSTRUCTION ZONE IMPACT ATTENUATOR
- WORK AREA

BEFORE YOU DIG CALL OKIE 811 1-800-522-OKIE

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

TRAFFIC CONTROL PLAN
PHASE 8
(2 OF 3)

Project No. 2710804 Sheet No. T072

MUSKOGEE COUNTY

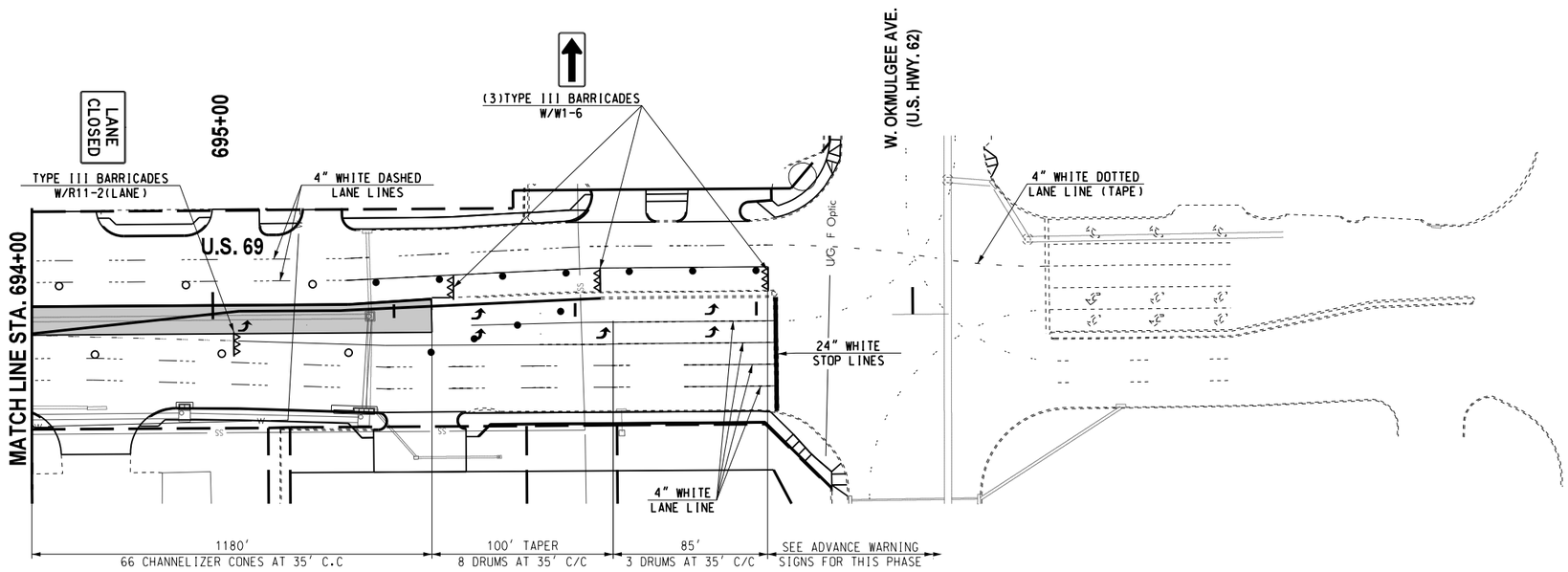
08-14-23 G:\OIProjects\1-2385A - SD,SS,LT - EC-1576 US 69 Muskogee Plan Update\CAD\T072-2710804-TRAFFIC CONTROL PLAN PHASE 8 (2 OF 3).dgn

REVISIONS		
NO.	DESCRIPTION	DATE

0 40' 80'

FOR STRIPING DIMENSTIONS NOT SHOWN REFERE TO THE PERMANENT SIGNING AND STRIPING PLANS

CONTRACTOR SHALL BUILD ALL STREETS AND DRIVEWAYS HALF AT A TIME AS TO ALLOW ACCESS, AND SHALL MAINTAIN 11' MINIMUM LANE WIDTHS.



LEGEND

- △△△ - TYPE III BARRICADE W/ TWO TYPE "B" LIGHTS
- - ARROW DISPLAY (TYPE C)
- - VERTICAL PANEL
- ● - DRUM
- ○ - CHANNELIZER CONE
- □ - TUBE CHANNELIZER
- - PORTABLE LONGITUDINAL BARRIER
- - CONSTRUCTION ZONE IMPACT ATTENUATOR
- - WORK AREA

BEFORE YOU DIG CALL OKIE 811 1-800-522-OKIE

Design	RWR	08-14-23
Drawn	CAL	08-14-23

TEC A CLEAR DIRECTION

TRAFFIC CONTROL PLAN PHASE 8 (3 OF 3)

Project No. 2710804 Sheet No. T073

MUSKOGEE COUNTY

08-14-23 G:\0Projects\T-2385A - SD,SS,LT - EC-1576 US 69 Muskogee Plan Update\CAD\T073-2710804-TRAFFIC CONTROL PLAN PHASE 8 (3 OF 3).dgn

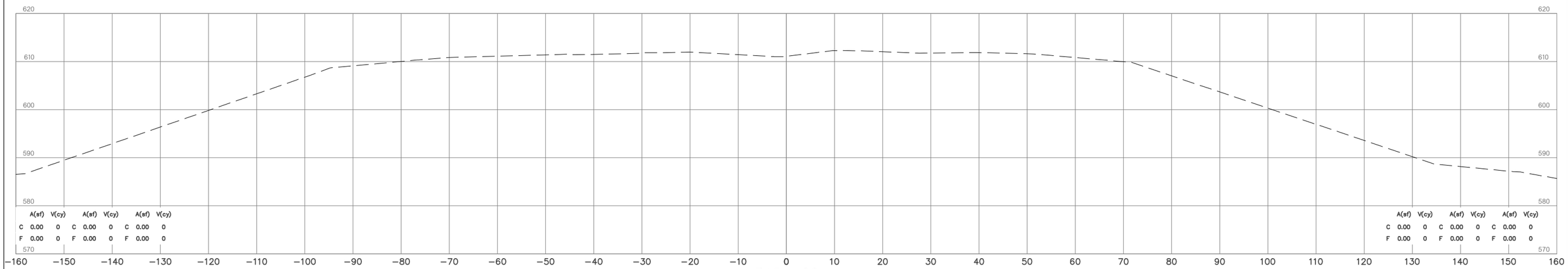
PH. 1 PH. 2 PH. 3

PH. 5 PH. 6 PH. 7

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

OCTOBER 2023



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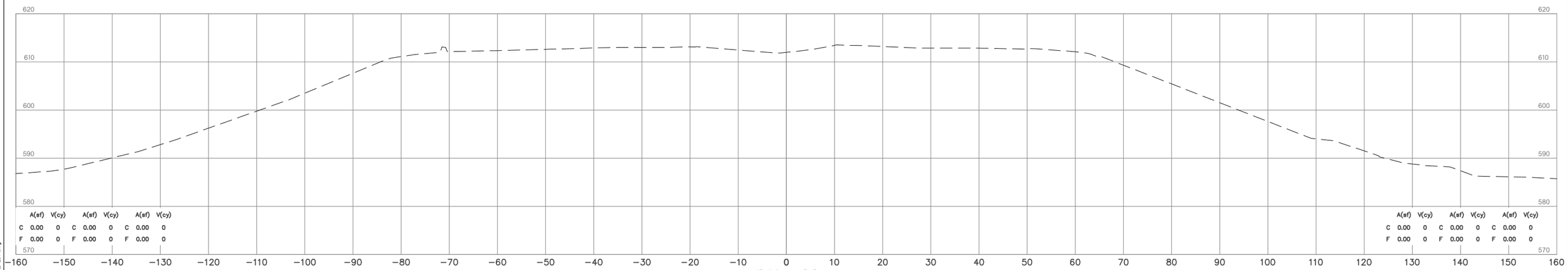

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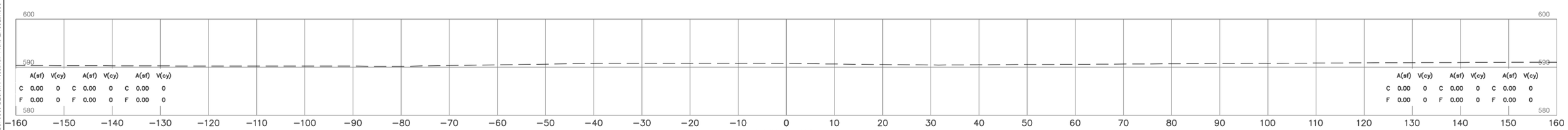


541+00

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE. DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X001

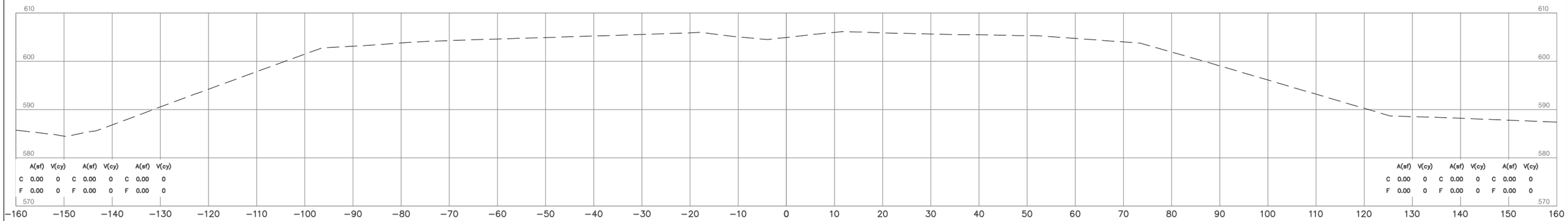
HUB Engineers
Thursday, July 11, 2024 9:24 AM Plot Style: HPBWSONLY8
G:\2024\40001\USER\DESIGN\Production Plans\27108_CROSS SECTIONS_Mainline_PLOT.dwg

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

OCTOBER 2023

PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7



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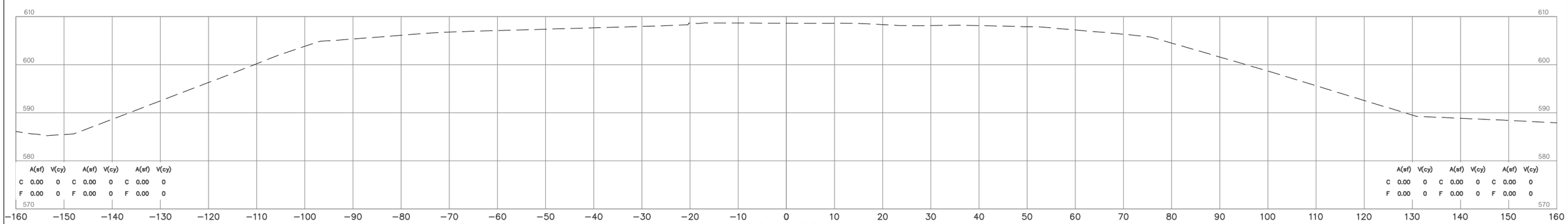

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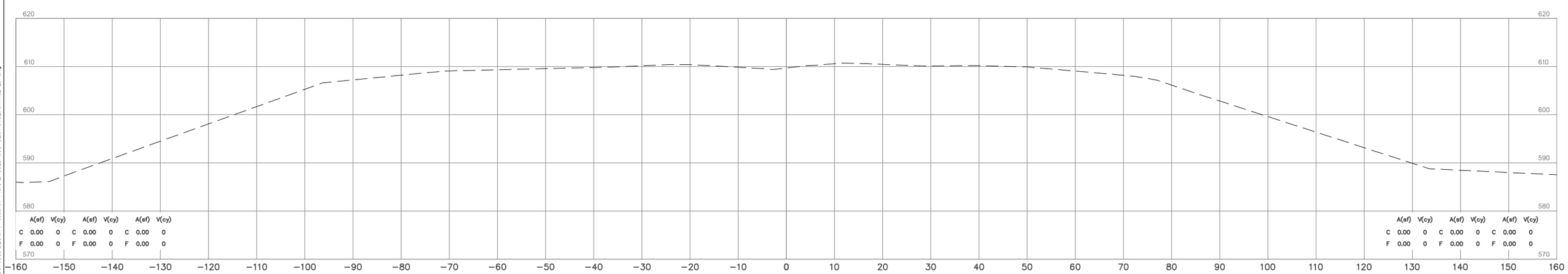

544+00

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE. DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X002

HDR Engineers
Thursday, July 11, 2024 10:07:22 AM Plot Style: HPBISONLTR
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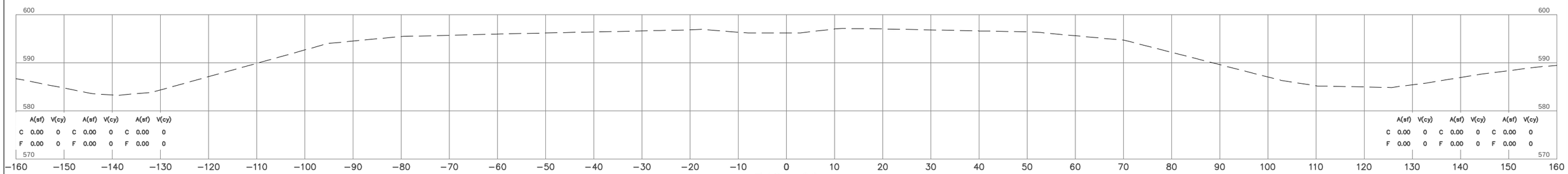
PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

OCTOBER 2023



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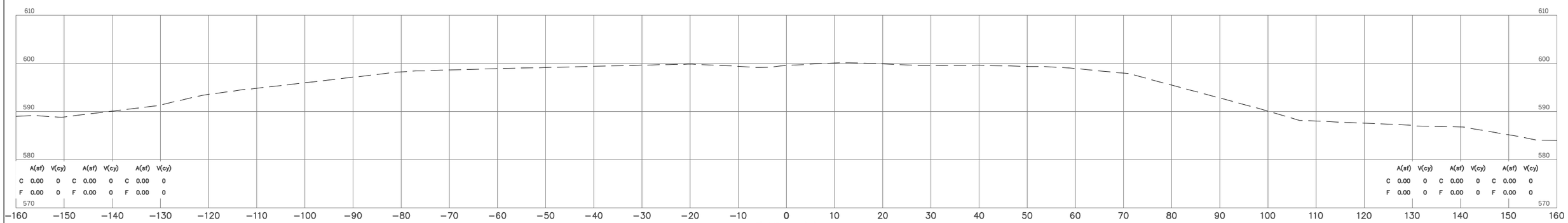

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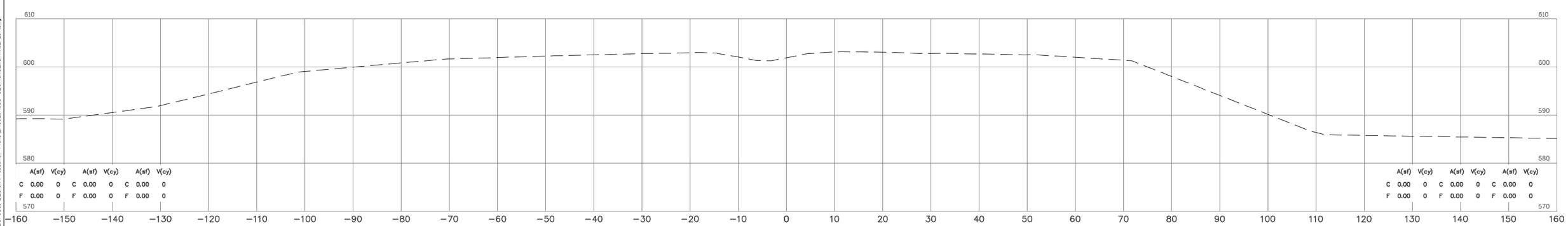

547+00

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE.
DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY SHEET NO. X003

HDR Engineers
Plotted on Nov 1, 2023 9:30 AM Plot Style: HPRESNUCTB
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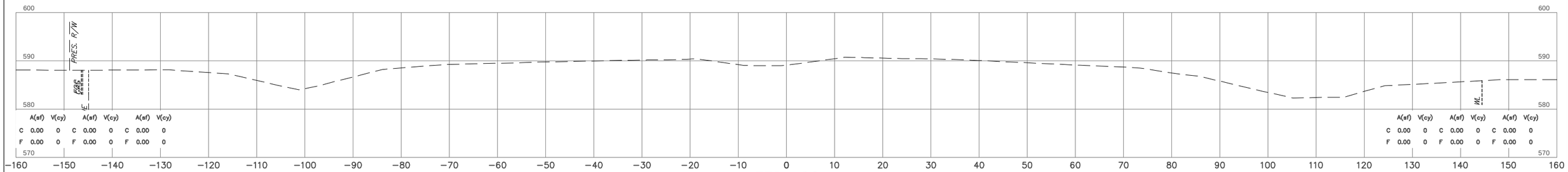
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

OCTOBER 2023

PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7



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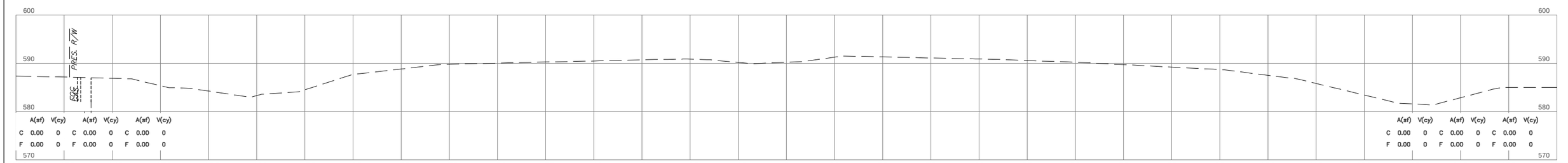

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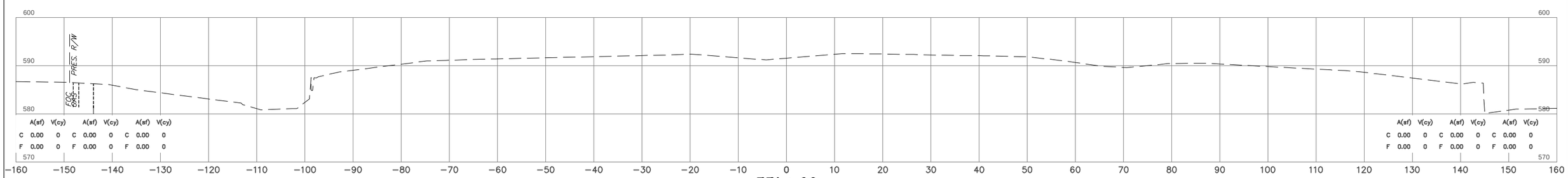

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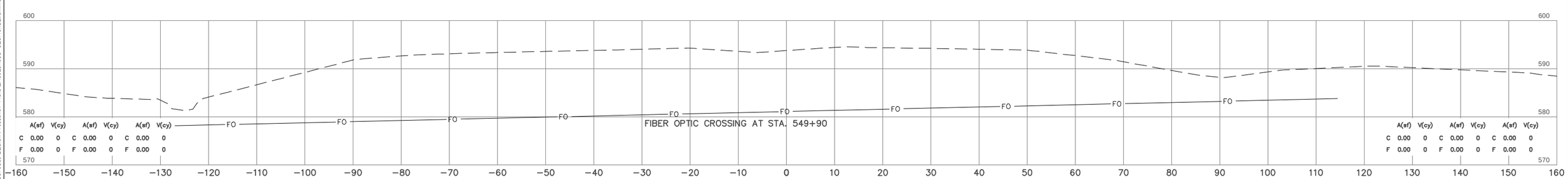

550+00

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE. DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X004

HNB Engineers
Time of Plot: 11/07/2023 9:31 AM Plot Style: HPINSKNCTB
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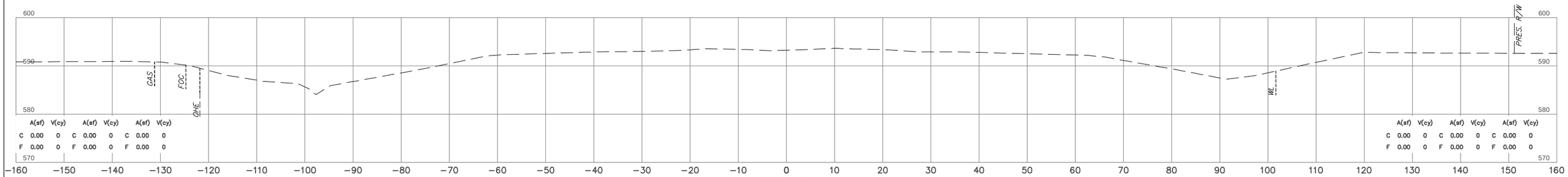
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

OCTOBER 2023

PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7



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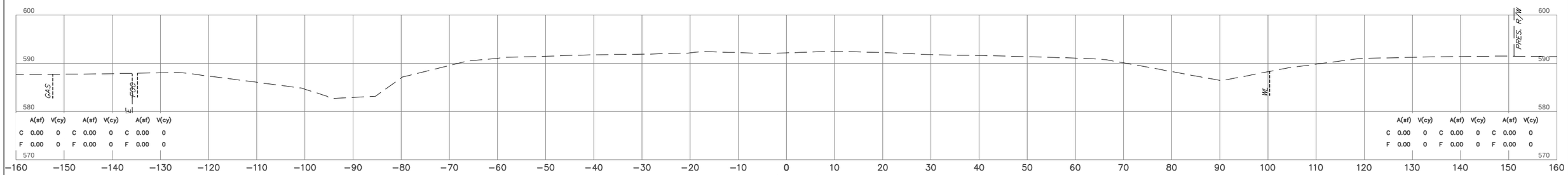

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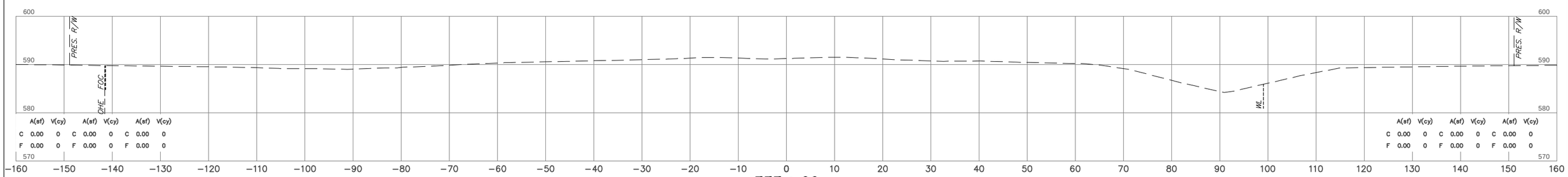

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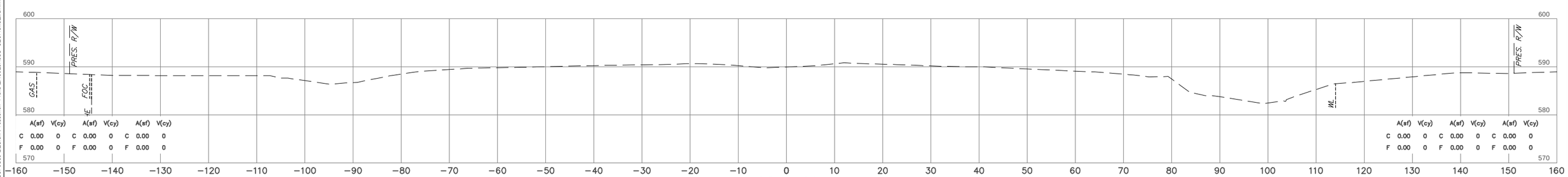

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NOTE: LOCATION OF UTILITIES ARE APPROXIMATE. DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X005

HNB Engineers
Tulsa, OK
10/10/2023 9:31 AM Plot Style: HPGNSCNFTD
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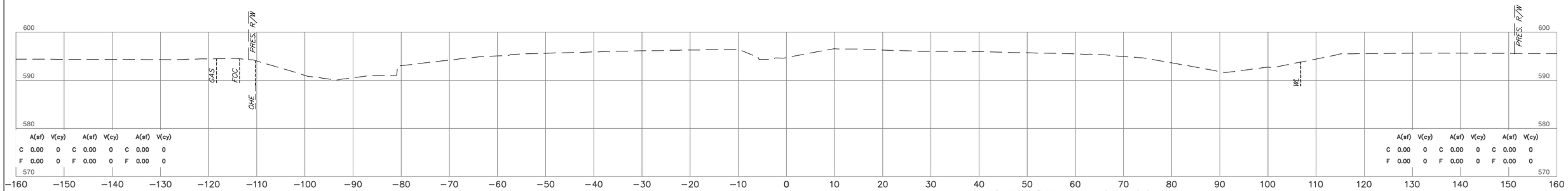
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

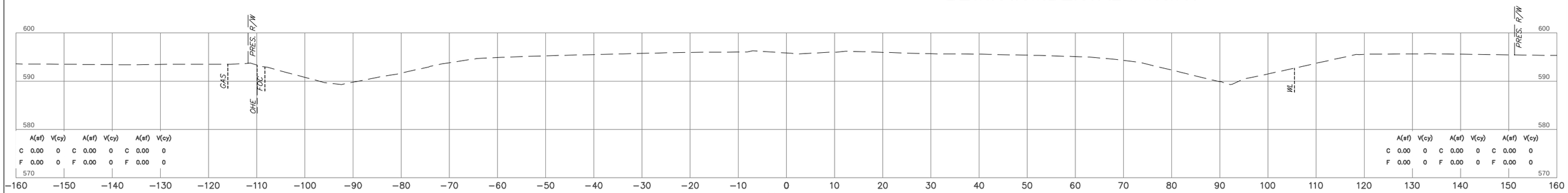
OCTOBER 2023

PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7

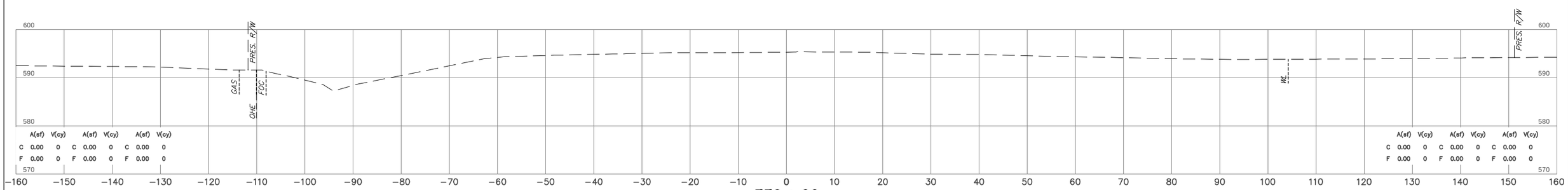


561+00

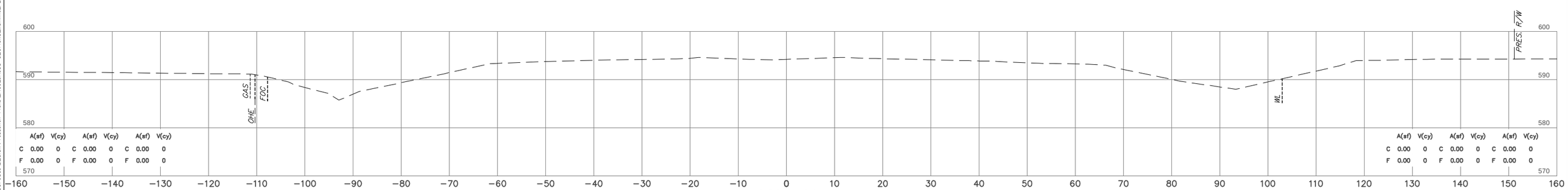
CRL STA. 5561+00
BEGIN INCIDENTAL CONST.



560+00



559+00



558+00

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE.
DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)
MUSKOGEE COUNTY
SHEET NO. X006

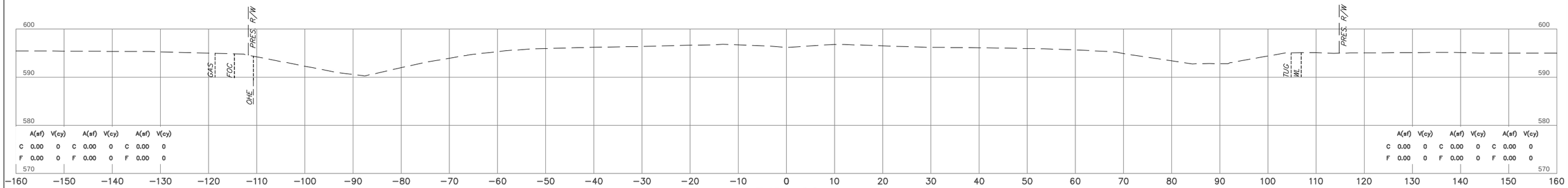
HNB Engineers
Time of Plot: 9:32 AM Plot Style: HPWISNCTB
10/10/2023
G:\20\A\4020711\SERD\DESIGN\Production Plans\27108_CROSS SECTIONS_MainLine_PLOT.dwg

OKLAHOMA DEPARTMENT OF TRANSPORTATION

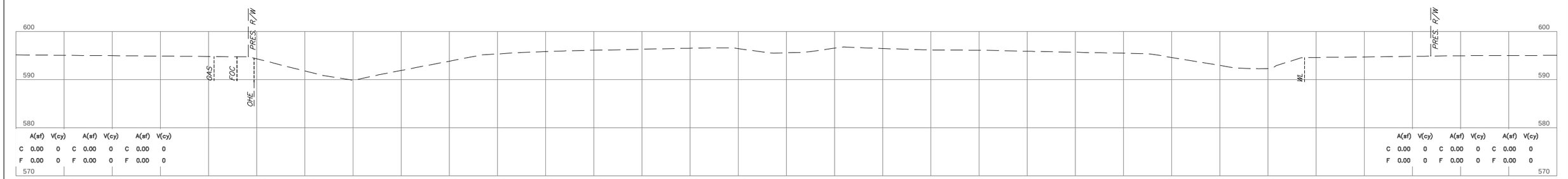
FINAL FIELD MEETING

OCTOBER 2023

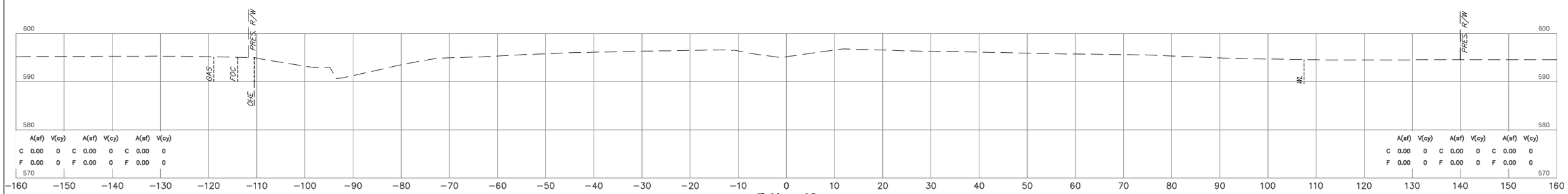
PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7



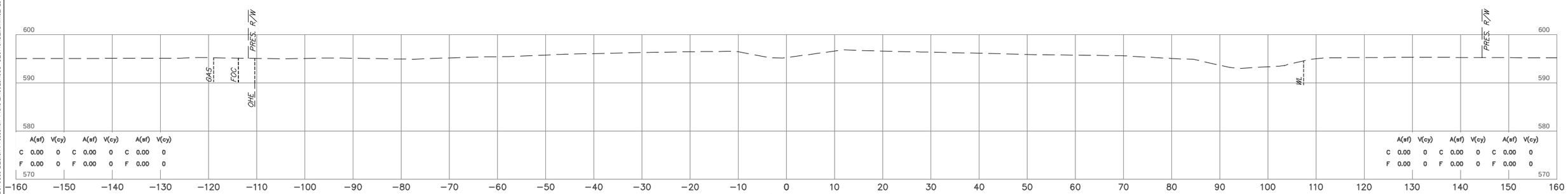
563+00



562+00



561+68



561+44

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE. DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X007

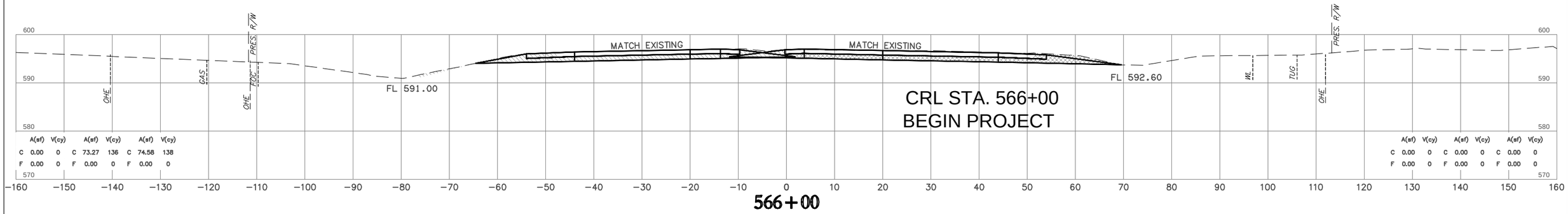
HNB Engineers
Tuesday, October 10, 2023 9:33 AM Plot Style: HPGL2.CTB
G:\Shared\40201\USER\DESIGN\Production Plans\27108_CROSS SECTIONS_MainLine_PLOT.dwg

OKLAHOMA DEPARTMENT OF TRANSPORTATION

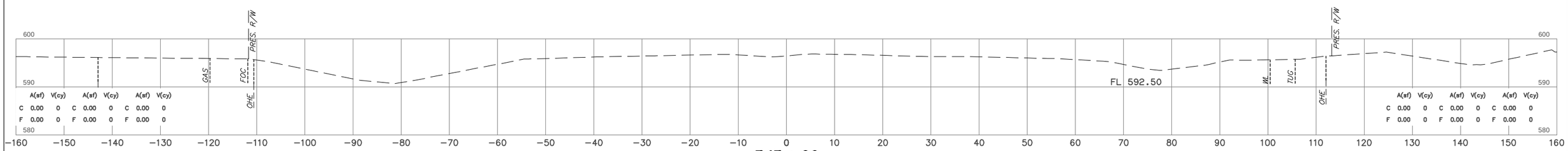
FINAL FIELD MEETING

OCTOBER 2023

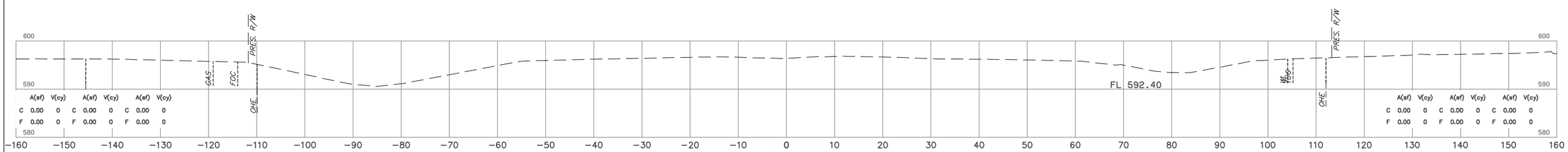
PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7



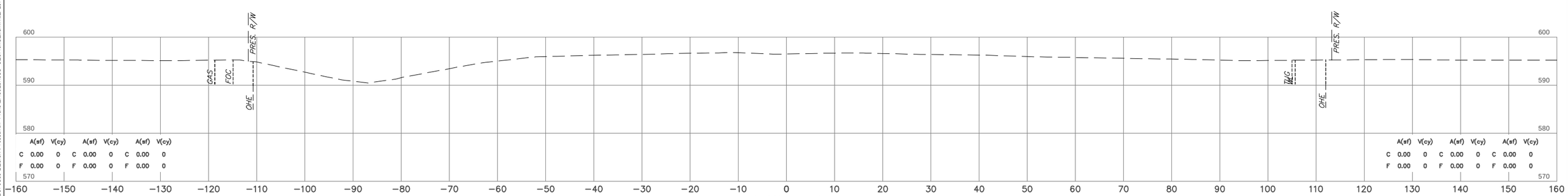
566+00



565+00



564+00



563+47

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE.
DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X008

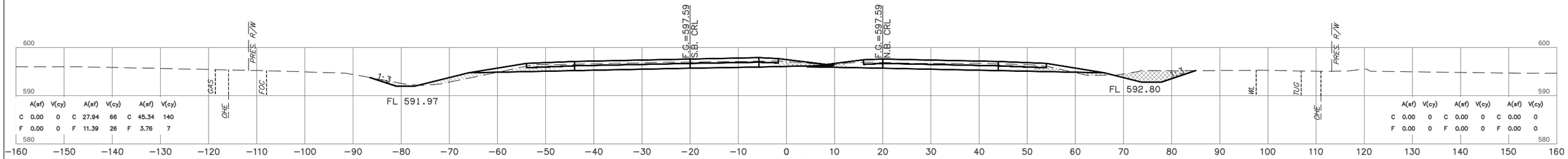
HDR Engineers
Plot date: 10/17/2023 2:33 AM Plot Style: HPRSCNCTB
Layout: X008 User: U59KA4 Drawing: P:\ons\27108_CROSS SECTIONS_Mainline_PLOT.dwg

OKLAHOMA DEPARTMENT OF TRANSPORTATION

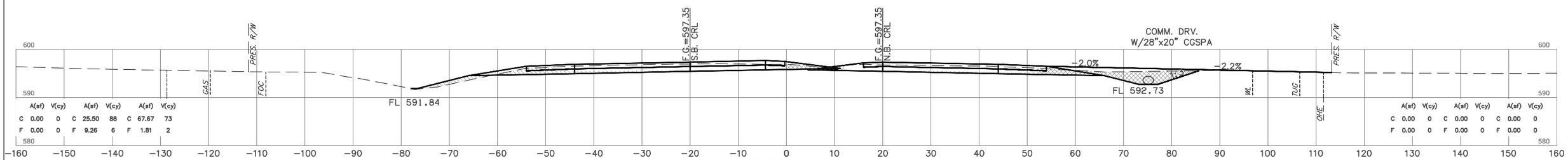
FINAL FIELD MEETING

OCTOBER 2023

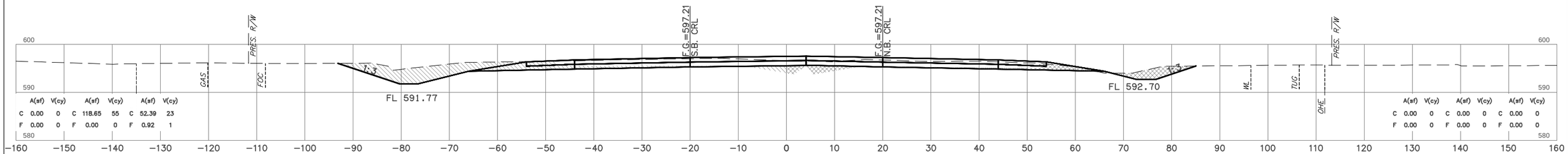
PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7



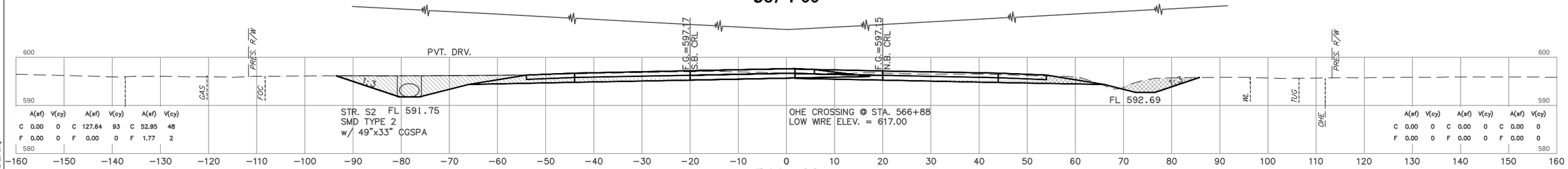
568+00



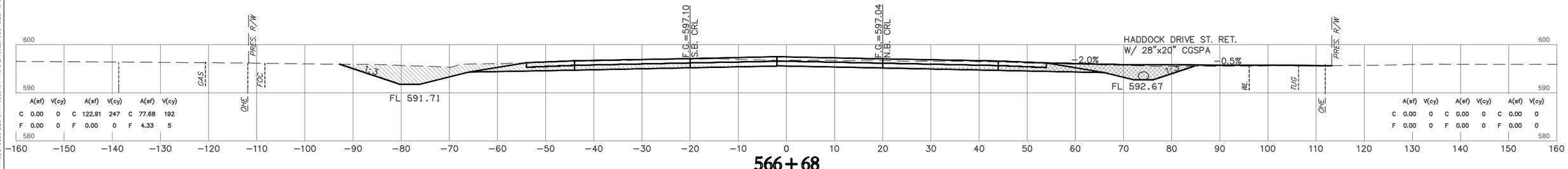
567+33



567+00



566+88



566+68

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE. DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X009

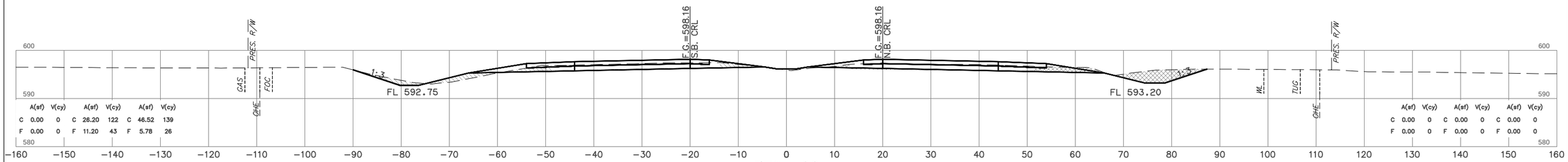
HUB Engineers
Tulsa, Oklahoma
G:\ODOT\USERS\DESIGN Production Plans\27108_CROSS SECTIONS.Moline_PLOT.dwg

OKLAHOMA DEPARTMENT OF TRANSPORTATION

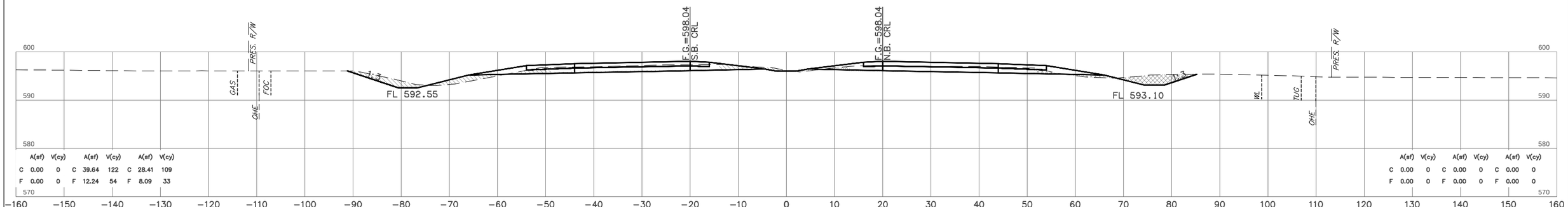
FINAL FIELD MEETING

OCTOBER 2023

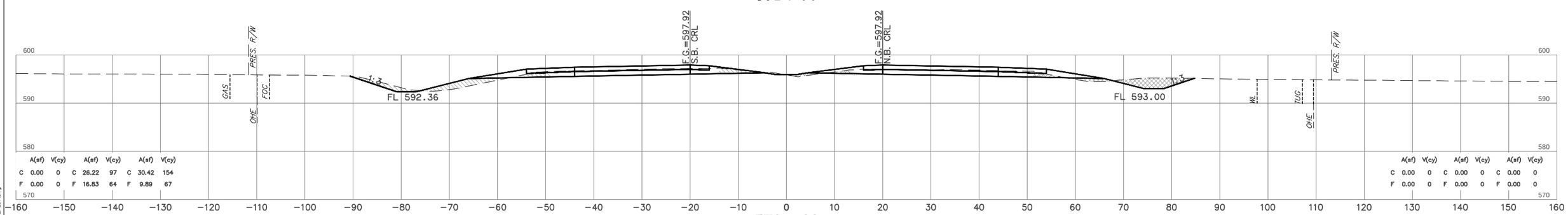
PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7



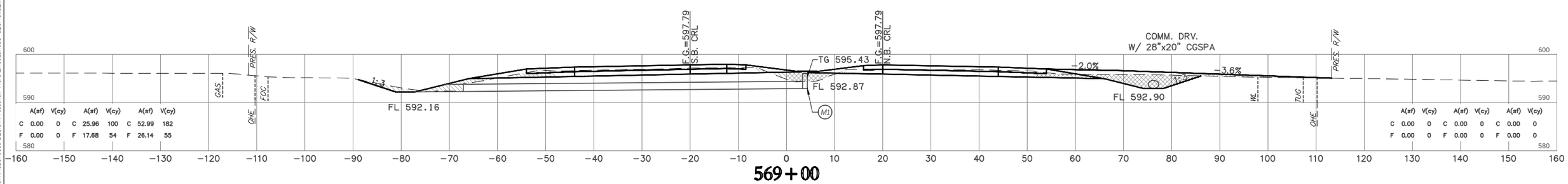
572+00



571+00



570+00



569+00

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE.
DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X010

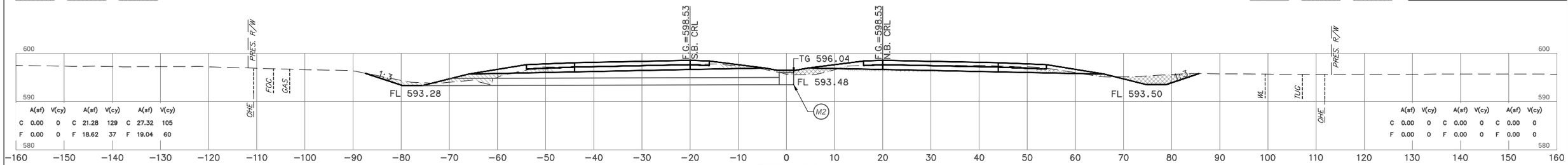
HDR Engineers
Plot Date: 10/10/2023 9:34 AM Plot Style: HPRGSNUTFB
DgnSpace:N:\ODOT\USERDESIGN\Production Plans\27108_CROSS SECTIONS_Mainline_PLOT.dwg

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

OCTOBER 2023

PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7



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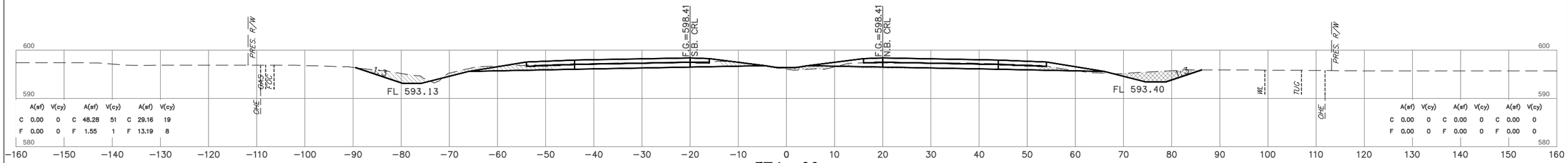
C	0.00	0	C	21.28	129	C	27.32	105
F	0.00	0	F	18.62	37	F	19.04	60

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

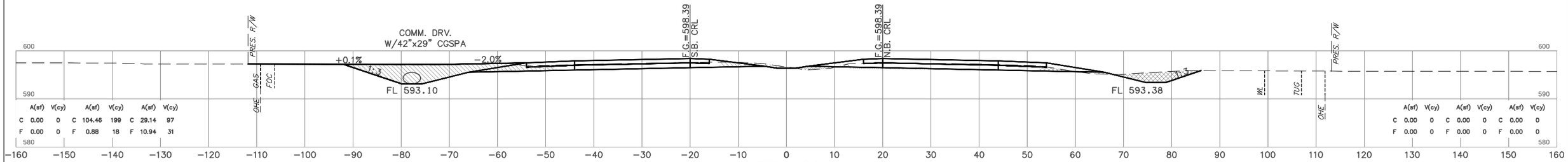
575+00



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	48.28	51	C	29.16	19
F	0.00	0	F	1.55	1	F	13.19	8

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

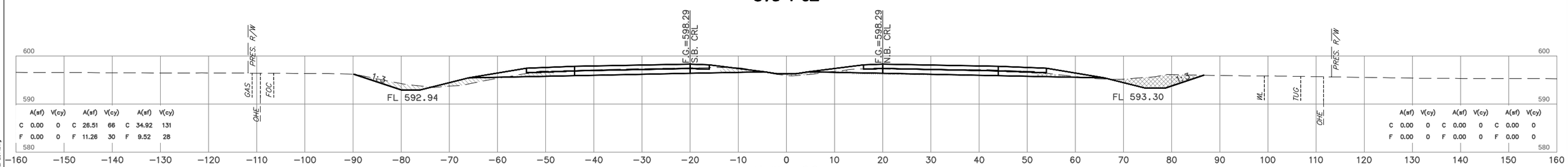
574+00



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	104.46	199	C	29.14	97
F	0.00	0	F	0.88	18	F	10.94	31

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

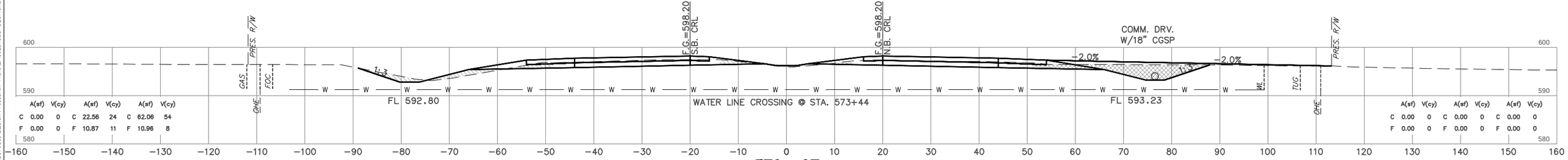
573+82



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	26.51	66	C	34.92	131
F	0.00	0	F	11.26	30	F	9.52	28

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

573+00



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	22.56	24	C	62.06	54
F	0.00	0	F	10.87	11	F	10.96	8

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

572+27

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE. DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X011

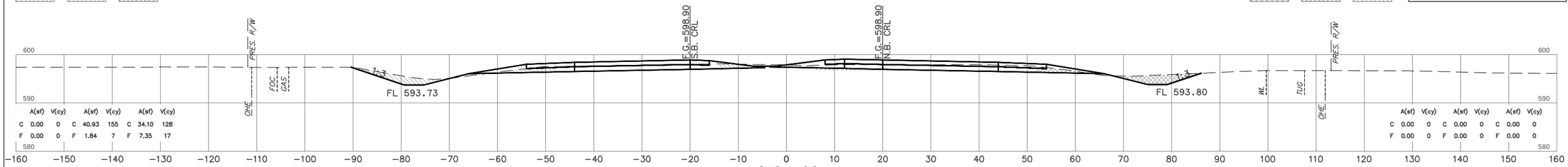
HUB Engineers
Time: 11/07/2023 9:34 AM Plot Style: HPGVGNUCT9
G:\ODOT\USERS\DESIGN\Production Plans\27108_CROSS SECTIONS_Mainline_PLOT.dwg

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

OCTOBER 2023

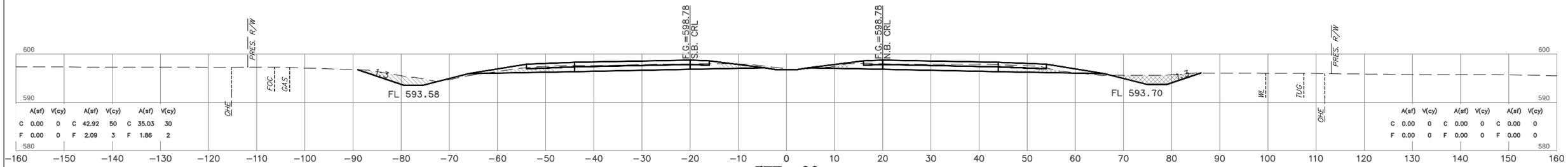
PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	40.93	155	C	34.10	128
F	0.00	0	F	1.84	7	F	7.35	17

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

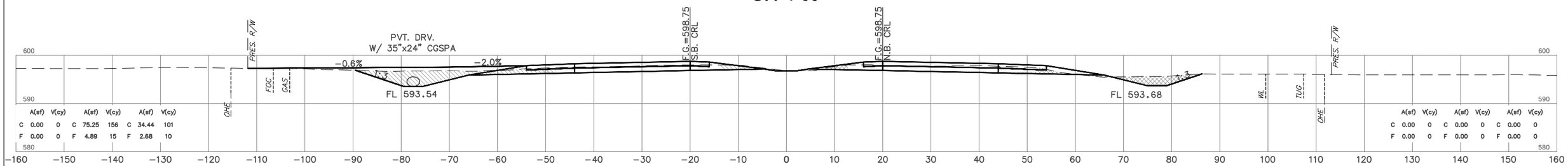
578+00



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	42.92	50	C	35.03	30
F	0.00	0	F	2.09	3	F	1.86	2

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

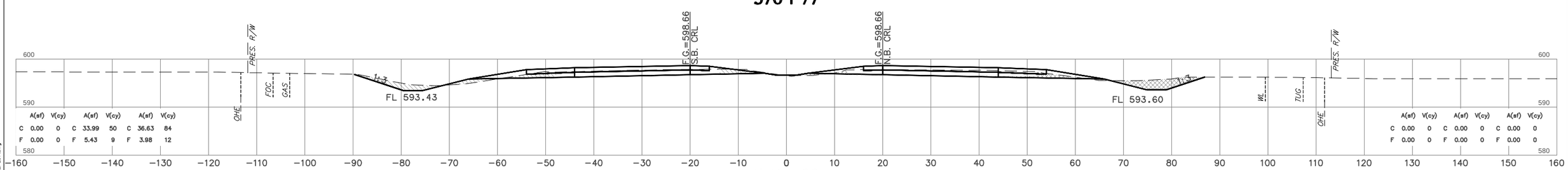
577+00



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	75.25	156	C	34.44	101
F	0.00	0	F	4.89	15	F	2.68	10

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

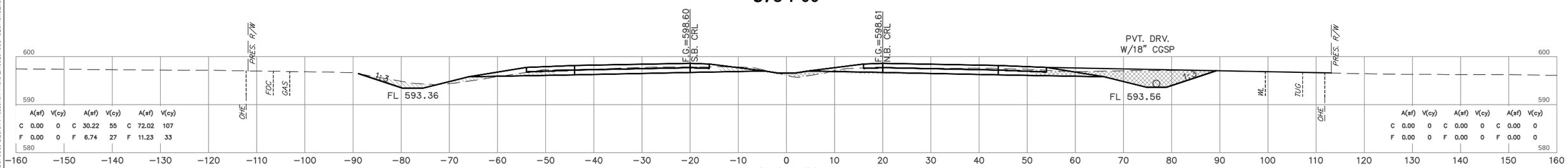
576+77



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	33.99	50	C	36.63	84
F	0.00	0	F	5.43	9	F	3.98	12

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

576+00



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	30.22	55	C	72.02	107
F	0.00	0	F	6.74	27	F	11.23	33

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

575+58

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE. DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X012

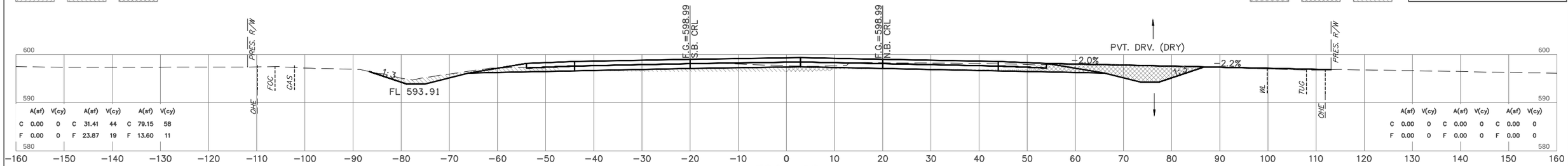
HUB Engineers
Time of Plot: 11/07/2023 9:34 AM Plot Style: HPGVSONUCT9
G:\ODOT\USER\DESIGN\Production Plans\27108_CROSS SECTIONS_Mohline_PLOT.dwg

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

OCTOBER 2023

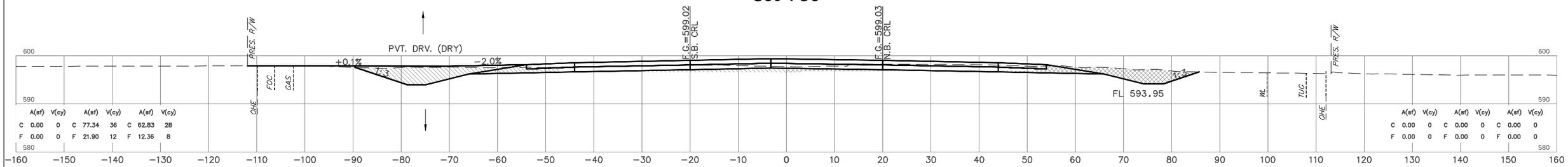
PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	31.41	44	C	79.15	58
F	0.00	0	F	23.87	19	F	13.60	11

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

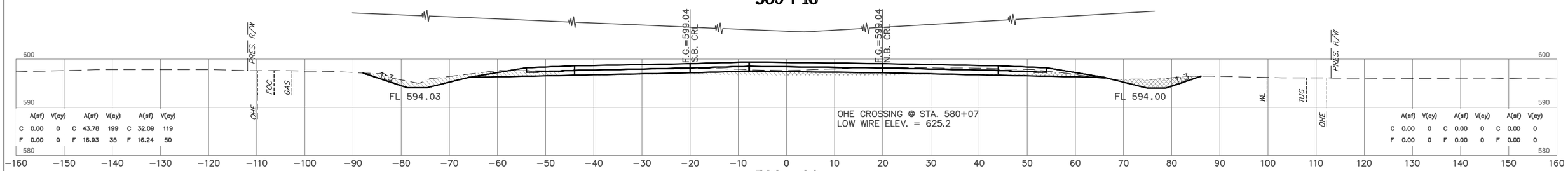
580+38



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	77.34	36	C	62.83	28
F	0.00	0	F	21.90	12	F	12.36	8

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

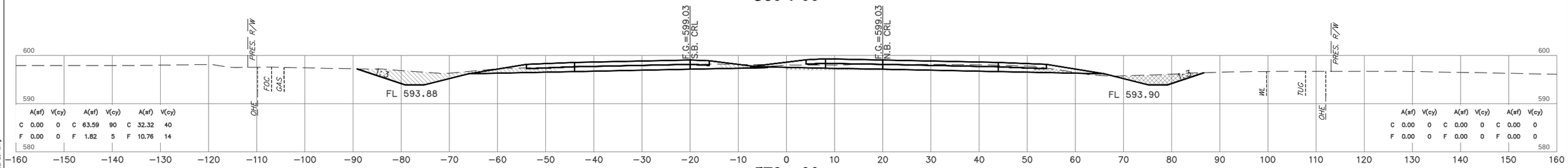
580+16



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	43.78	199	C	32.09	119
F	0.00	0	F	16.93	35	F	16.24	50

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

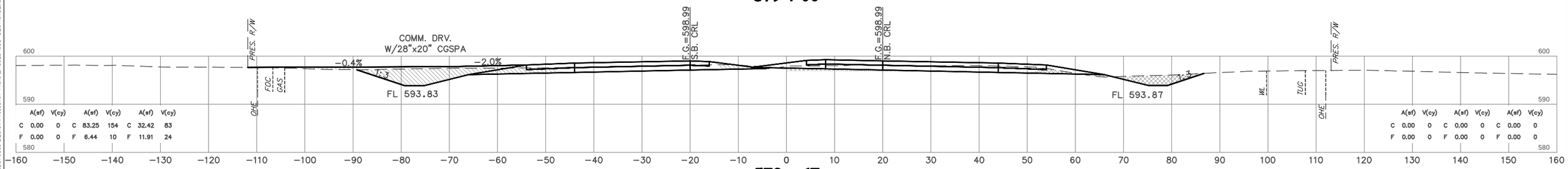
580+00



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	63.59	90	C	32.32	40
F	0.00	0	F	1.82	5	F	10.76	14

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

579+00



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	83.25	154	C	32.42	83
F	0.00	0	F	6.44	10	F	11.91	24

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

578+67

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE. DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X013

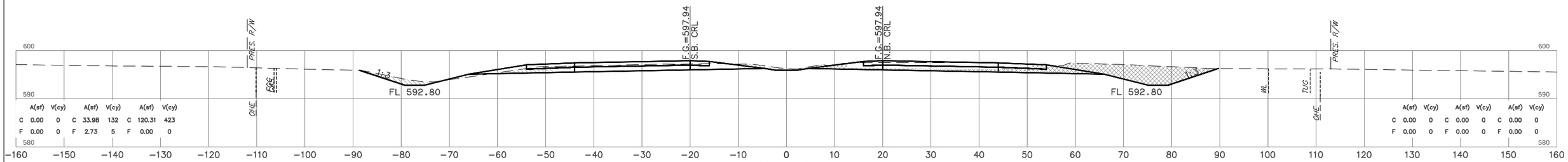
HDR Engineers
Time of Plot: 10:07:20 2.35 AM Plot Style: HPGNSNUTB
G:\SDR-HQDOT\USERS\DESIGN\Production Plans\27108_CROSS SECTIONS_Mainline_PLOT.dwg

OKLAHOMA DEPARTMENT OF TRANSPORTATION

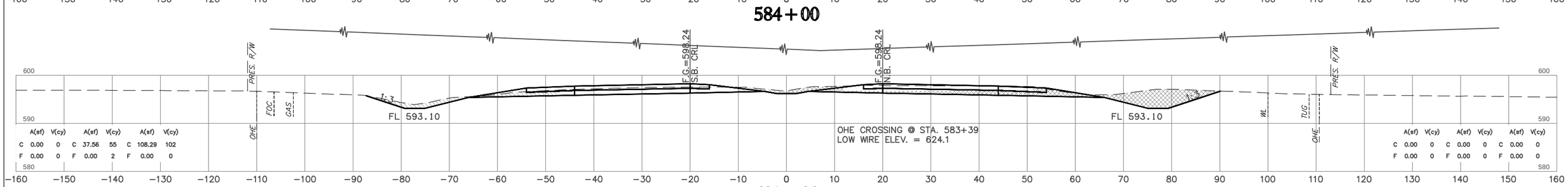
FINAL FIELD MEETING

OCTOBER 2023

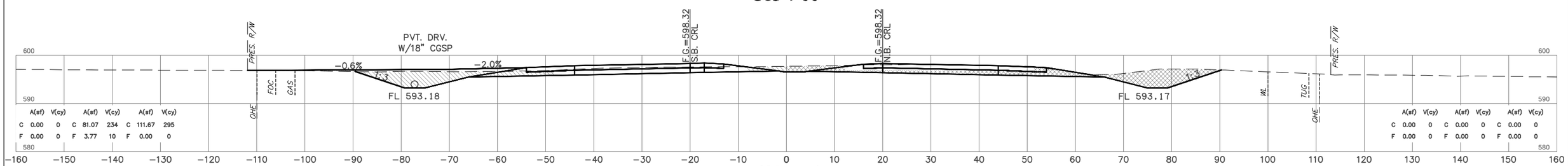
PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7



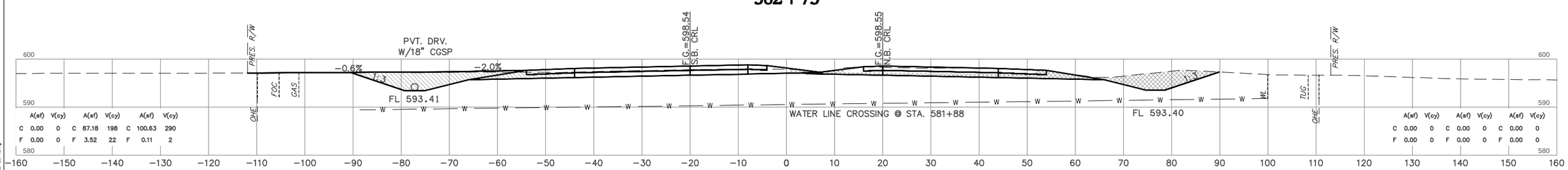
584+00



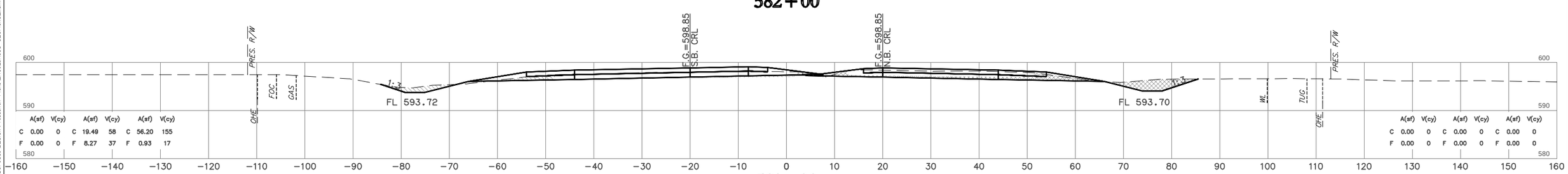
583+00



582+75



582+00



581+00

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE. DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

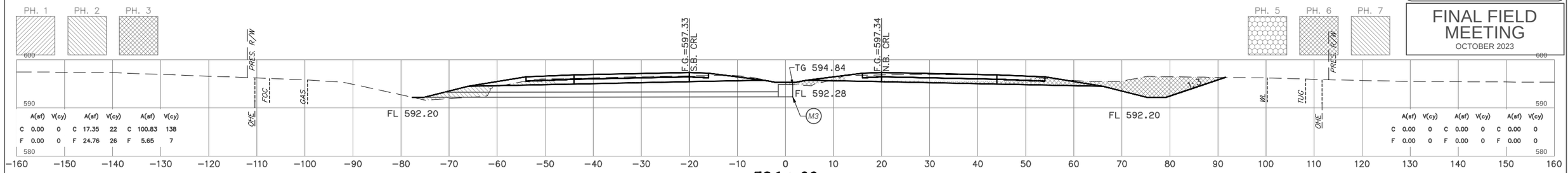
SHEET NO. X014

HUB Engineers
Tue Jan 16, 2024 9:35 AM PW Style: HPWSONUTP
G:\ODOT\USER\DESIGN\Production Plans\27108_CROSS SECTIONS_Mainline_PLOT.dwg

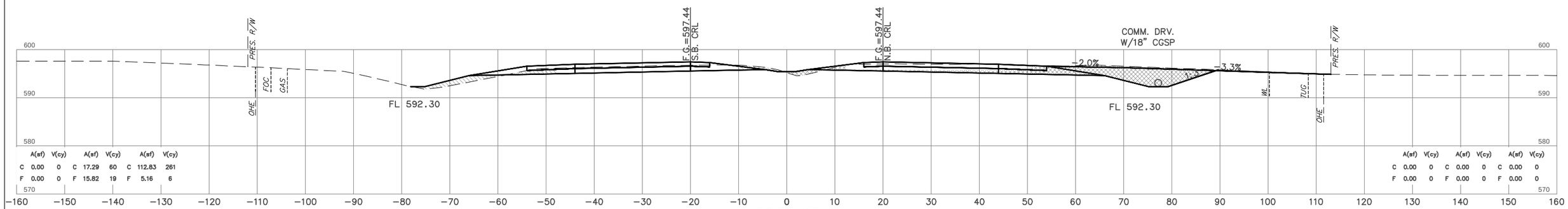
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

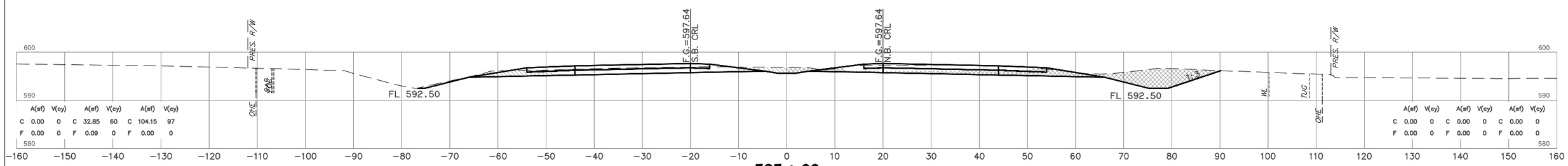
OCTOBER 2023



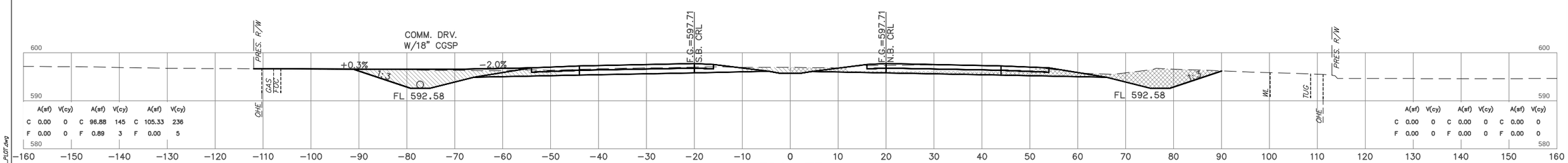
586+00



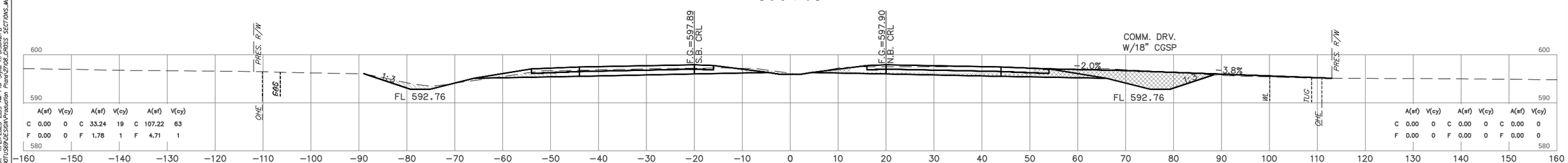
585+65



585+00



584+75



584+15

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE.
DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X015

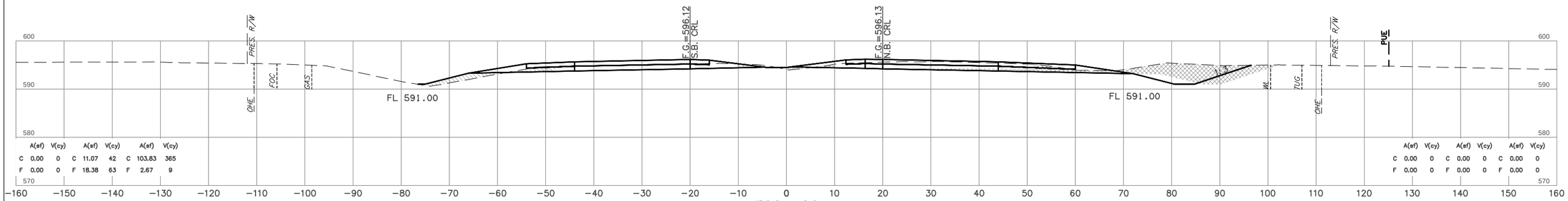
HUB Engineers
Time: 9:35 AM Plot Style: HPGNSCNTR
Date: 11/7/2023
G:\ODOT\USERDESIGN\Production Plans\27108_CROSS SECTIONS_Mainline_PLOT.dwg

PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7

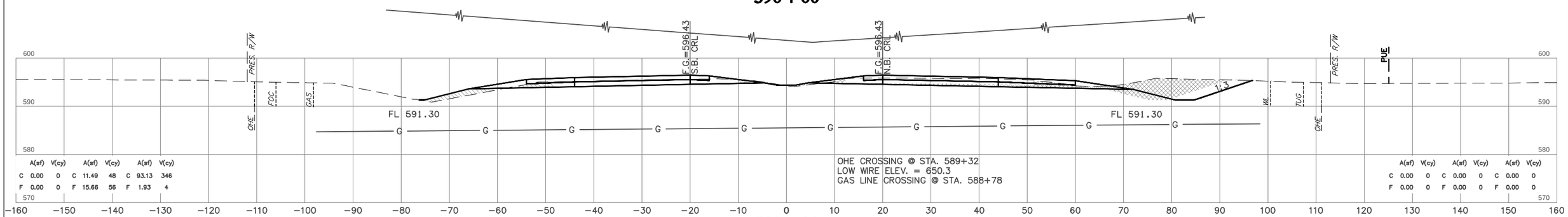
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

OCTOBER 2023

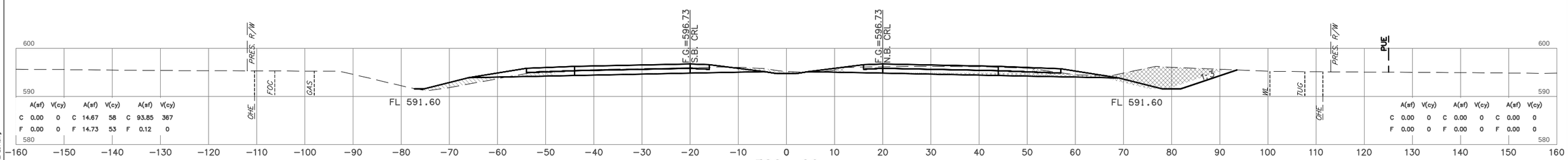


590+00

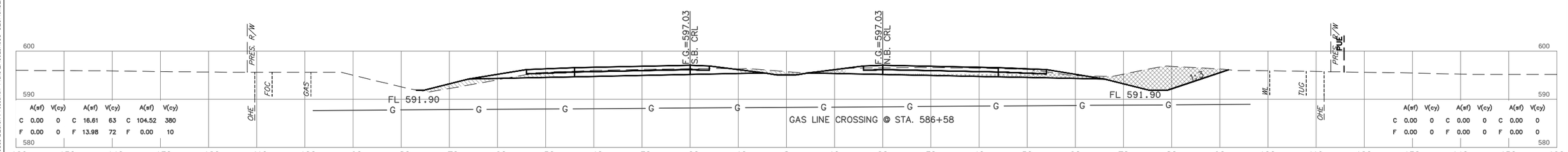


OHE CROSSING @ STA. 589+32
LOW WIRE ELEV. = 650.3
GAS LINE CROSSING @ STA. 588+78

589+00



588+00



GAS LINE CROSSING @ STA. 586+58

587+00

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE.
DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X016

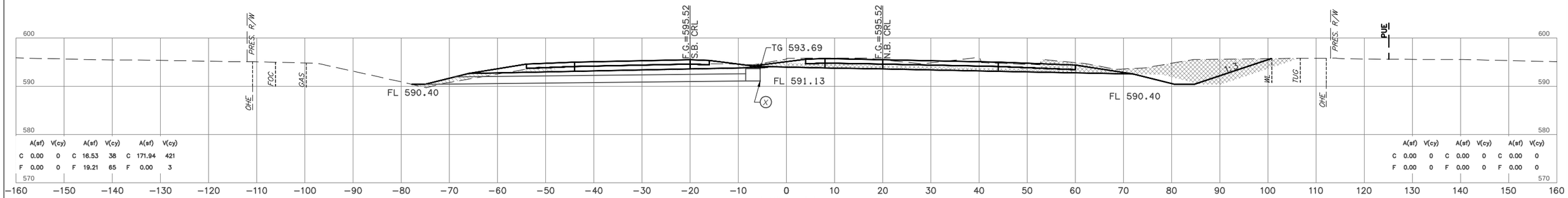
HDR Engineers
Date of Plot: 10/17/2023 2:35 AM Plot Style: HPRSCALETB
D:\SDA-HADOT\USER\DESIGN\Production Plans\27108_CROSS SECTIONS_Mainline_PLOT.dwg

OKLAHOMA DEPARTMENT OF TRANSPORTATION

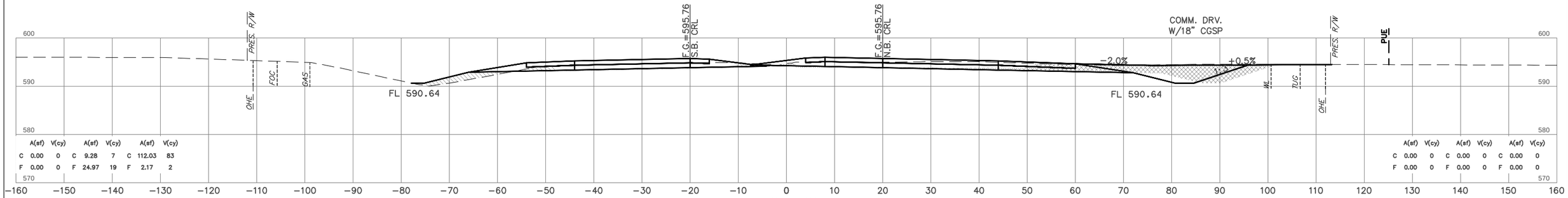
FINAL FIELD MEETING

OCTOBER 2023

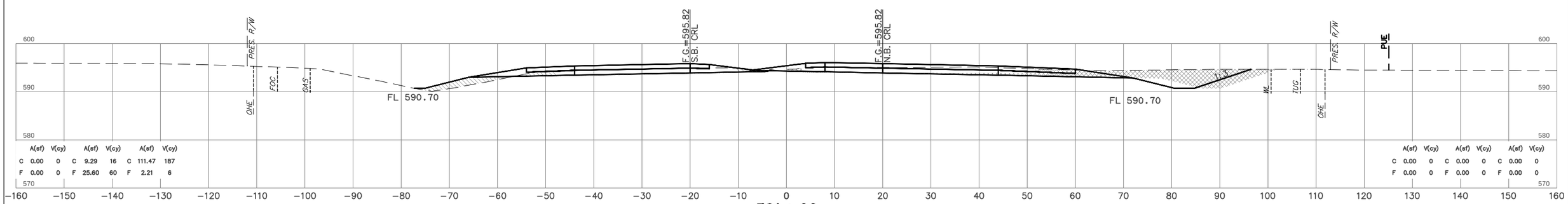
PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7



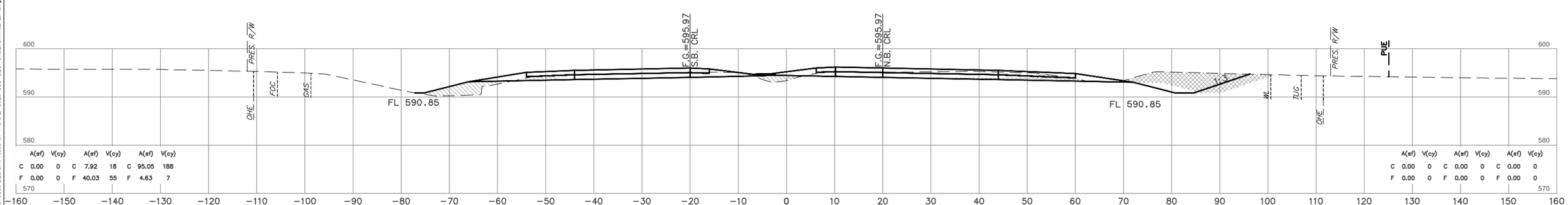
592+00



591+20



591+00



590+51

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE.
DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X017

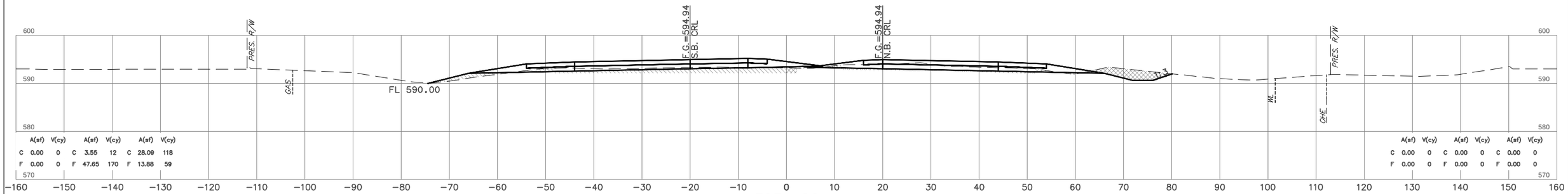
HNB Engineers
Tue Jul 11, 2023 9:36 AM PW Style: HPRSNUTTB
G:\Work\40\0711\SEG\DESIGN\Production Plans\27108_CROSS SECTIONS_MainLine_PLOT.dwg

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

OCTOBER 2023

PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7



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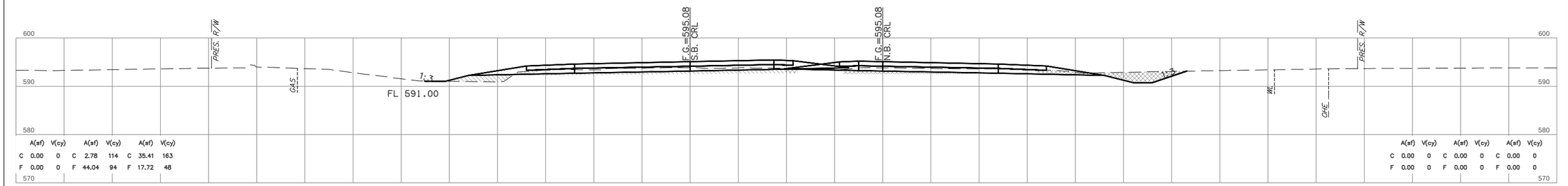
F	0.00	0	F	47.65	170	F	13.88	59

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

595+00



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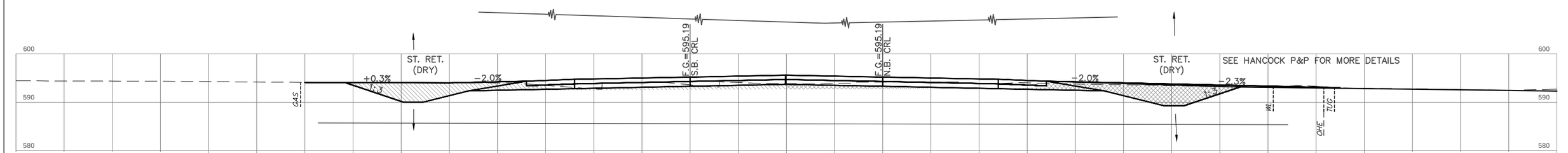
F	0.00	0	F	44.04	94	F	17.72	48

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

594+00

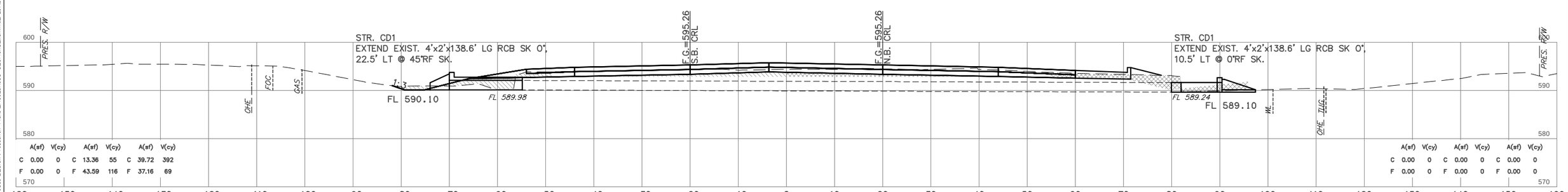


	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	87.99	60	C	93.58	79
F	0.00	0	F	30.44	44	F	20.00	34

OHE CROSSING @ STA. 593+58
LOW WIRE ELEV. = 630.0
TUG CROSSING @ STA. 593+54

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

593+31.89 P.I. HANCOCK



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
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F	0.00	0	F	43.59	116	F	37.16	69

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

593+00

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE.
DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X018

HNB Engineers
Time of Plot: 11/07/2023 3:35 AM Plot Style: HDIVISION.CTB
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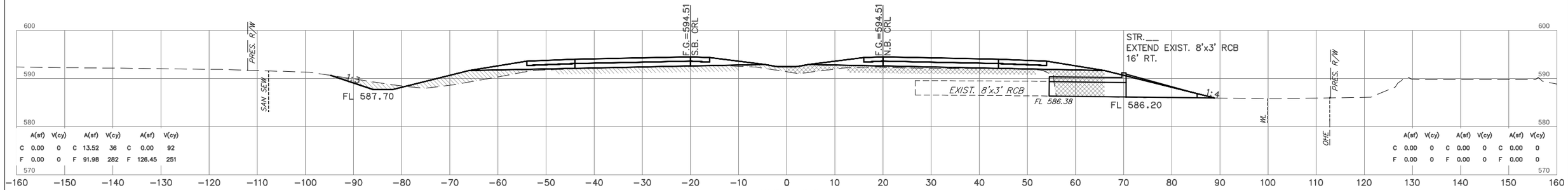
OKLAHOMA DEPARTMENT OF TRANSPORTATION

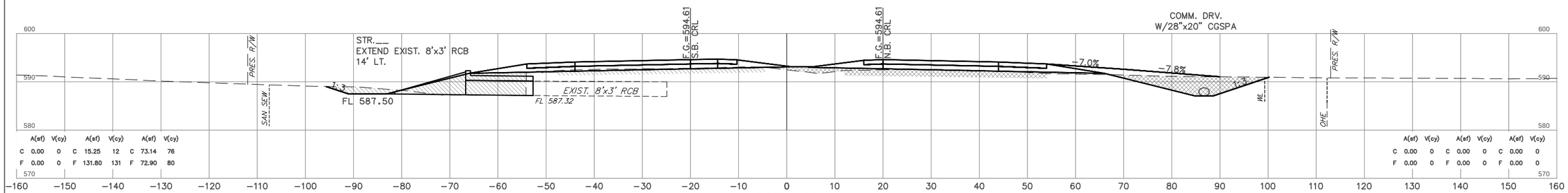
FINAL FIELD MEETING

OCTOBER 2023

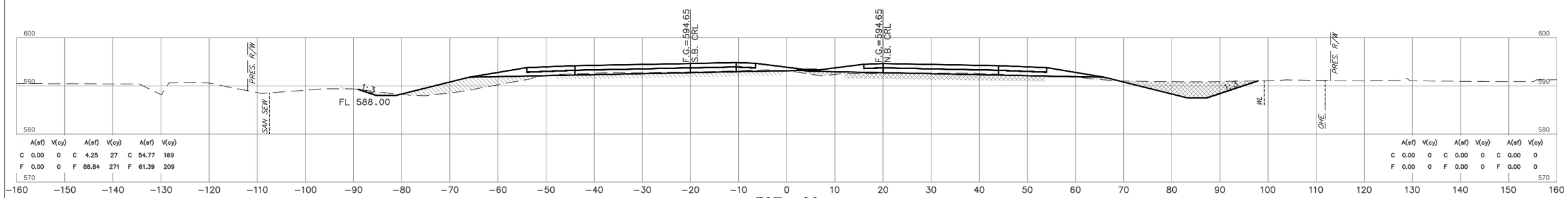
PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7



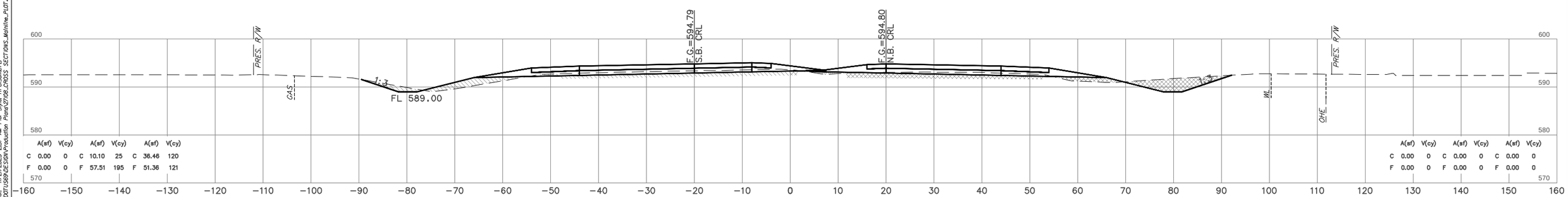
598+00



597+32



597+00



596+00

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE. DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X019

HNB Engineers
Time of Plot: 10:07:23 AM Plot Style: HPGSIGNCTB
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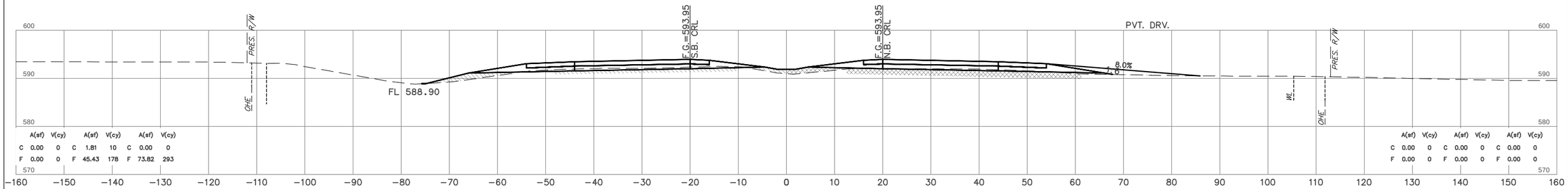
OKLAHOMA DEPARTMENT OF TRANSPORTATION

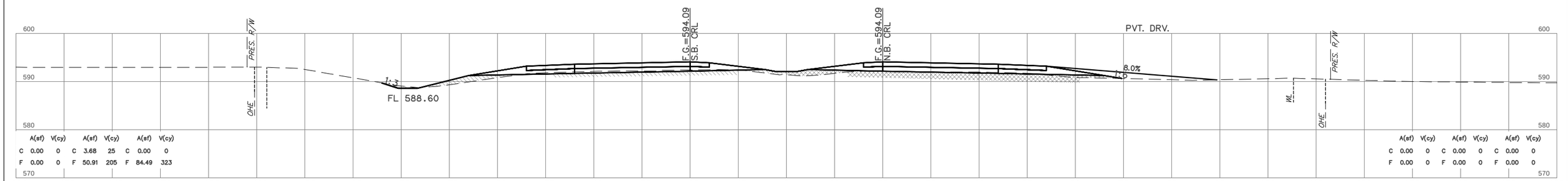
FINAL FIELD MEETING

OCTOBER 2023

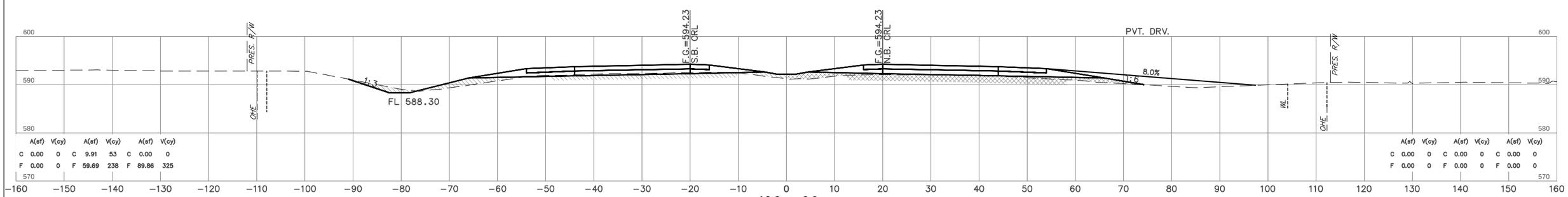
PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7



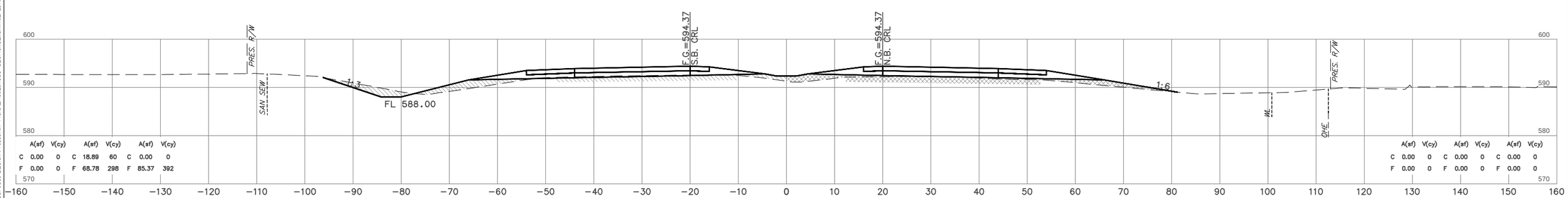
602+00



601+00



600+00



599+00

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE.
DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X020

HNB Engineers
Time of Plot: 10/10/2023 9:37 AM Plot Style: HPDESIGNCTB
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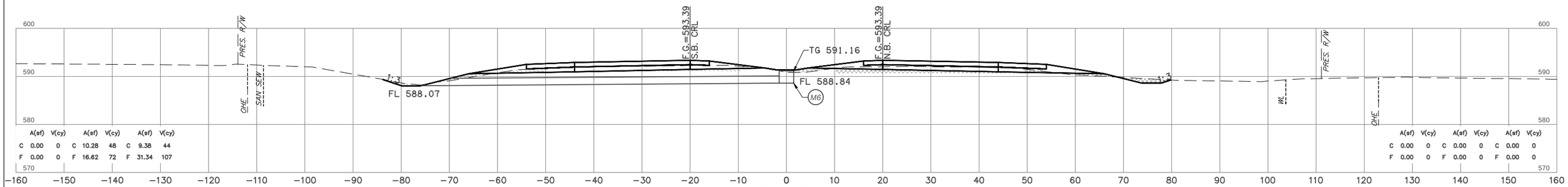
OKLAHOMA DEPARTMENT OF TRANSPORTATION

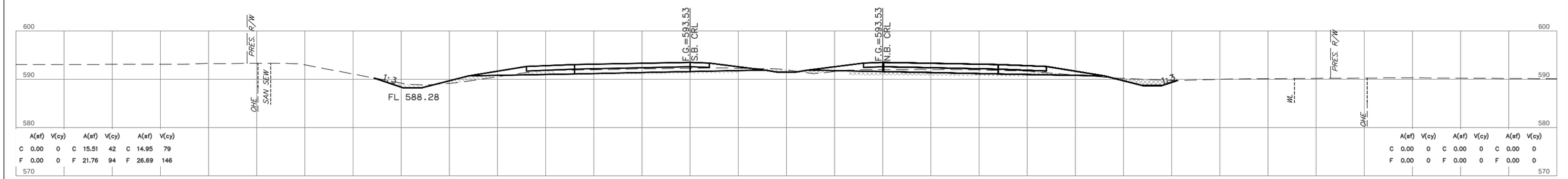
FINAL FIELD MEETING

OCTOBER 2023

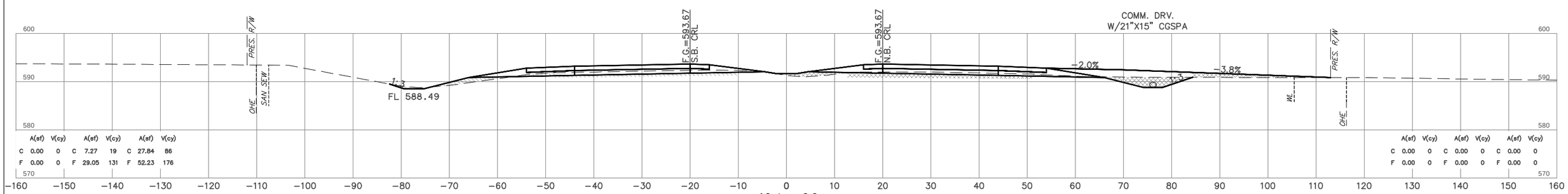
PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7



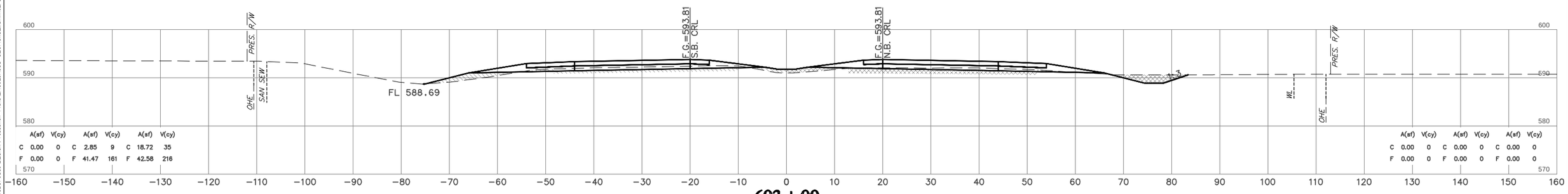
606+00



605+00



604+00



603+00

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE.
DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X021

HNB Engineers
Time of Plot: 11/10/2023 9:37 AM Plot Style: HDESIGNCTB
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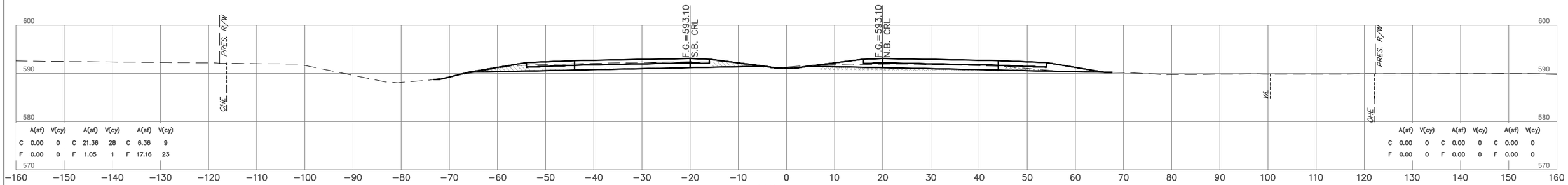
OKLAHOMA DEPARTMENT OF TRANSPORTATION

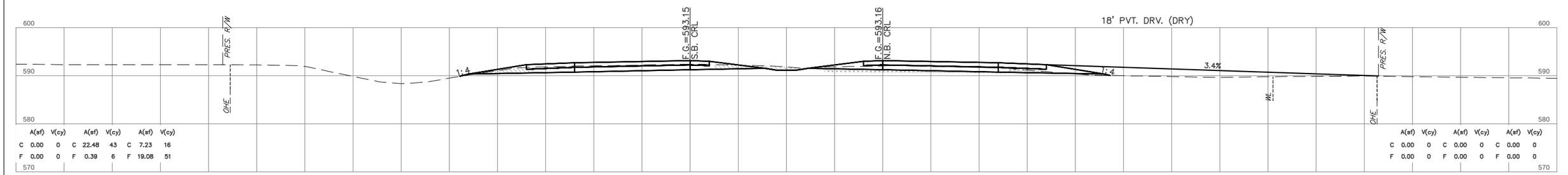
FINAL FIELD MEETING

OCTOBER 2023

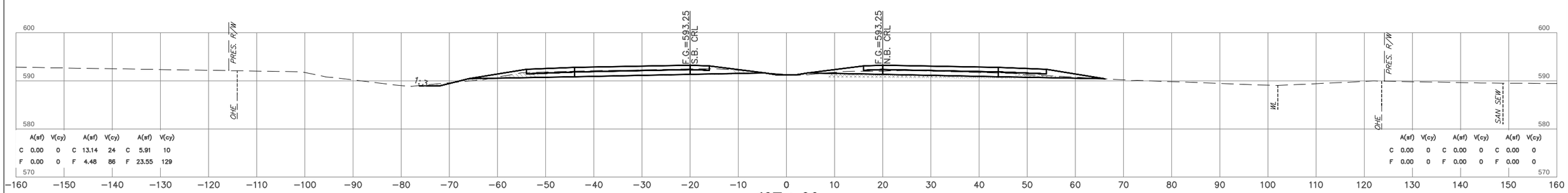
PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7



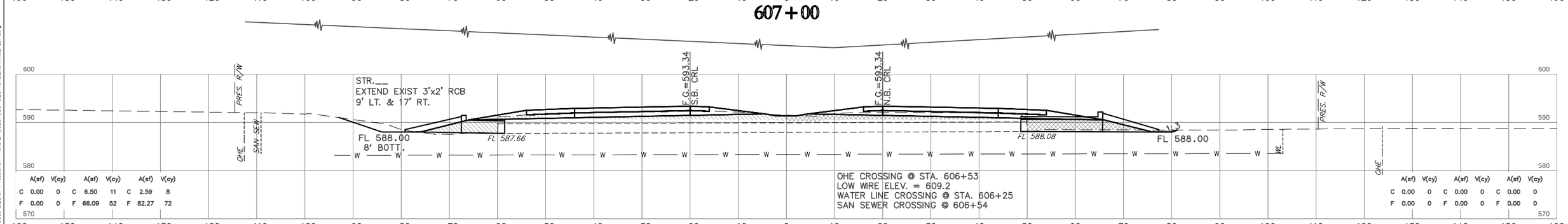
608+00



607+65



607+00



606+34

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE.
DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X022

HNB Engineers
Time of Plot: 11/07/2023 3:38 AM Plot Style: HDR(BW).CTB
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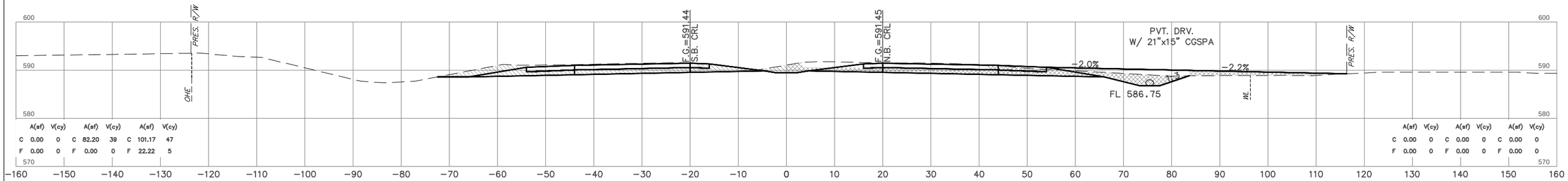
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

OCTOBER 2023

PH. 1 | PH. 2 | PH. 3 | PH. 5 | PH. 6 | PH. 7



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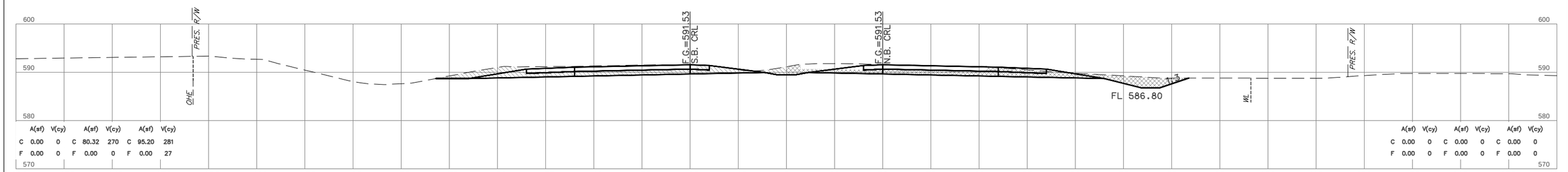
F	0.00	0	F	0.00	0	F	22.22	5

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

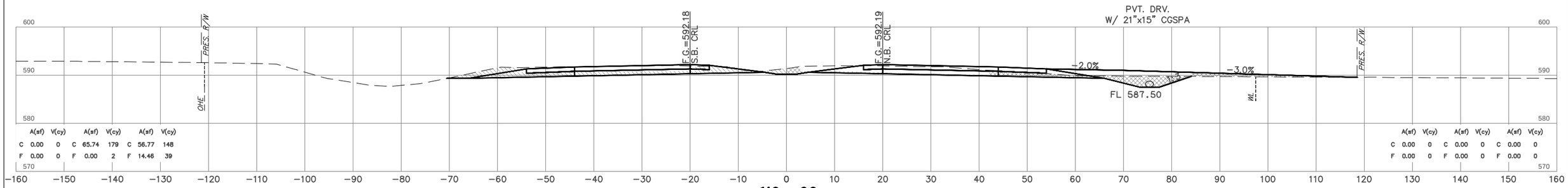
611+13



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	80.32	270	C	95.20	281
F	0.00	0	F	0.00	0	F	0.00	27

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

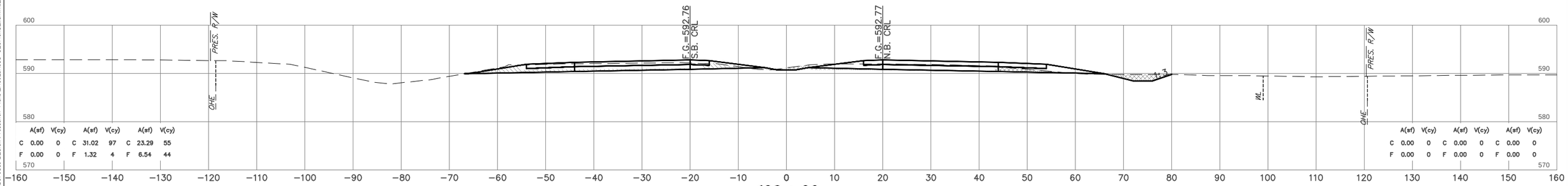
611+00



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	65.74	179	C	56.77	148
F	0.00	0	F	0.00	2	F	14.46	39

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

610+00



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	31.02	97	C	23.29	55
F	0.00	0	F	1.32	4	F	6.54	44

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

609+00

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE. DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X023

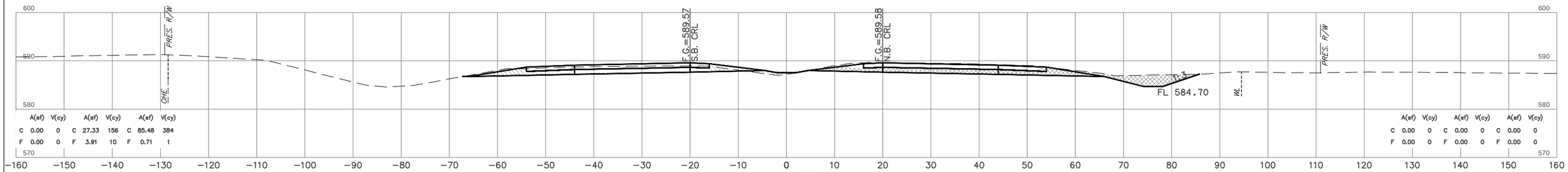
HNB Engineers
Time of Plot: 11/07/2023 3:38 AM Plot Style: HDRSIGNCTB
G:\SDVA\4020011\SDG\DESIGN\Production Plans\27108_CROSS SECTIONS_MainLine_PLOT.dwg

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

OCTOBER 2023

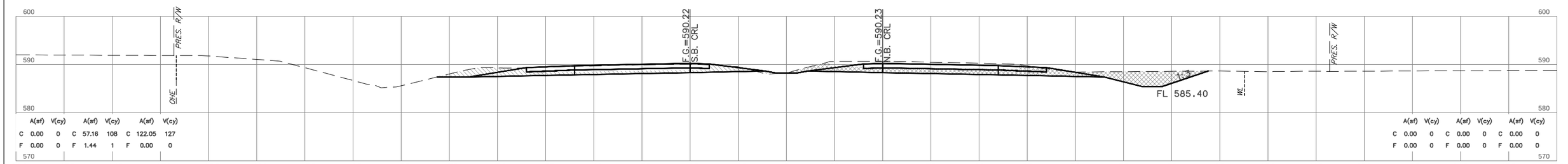
PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	27.33	156	C	85.48	384
F	0.00	0	F	3.91	10	F	0.71	1

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

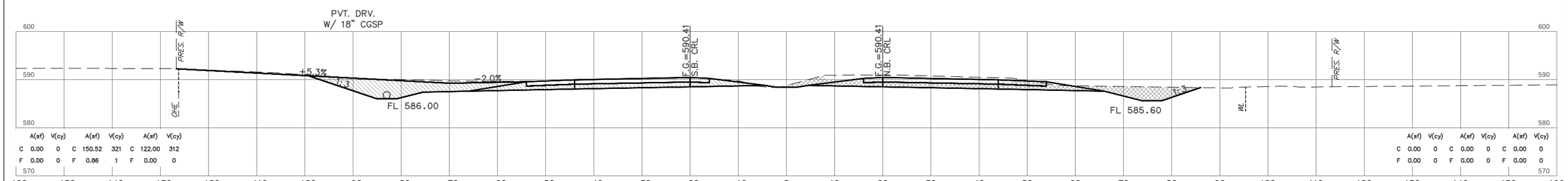
614+00



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	57.16	108	C	122.05	127
F	0.00	0	F	1.44	1	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

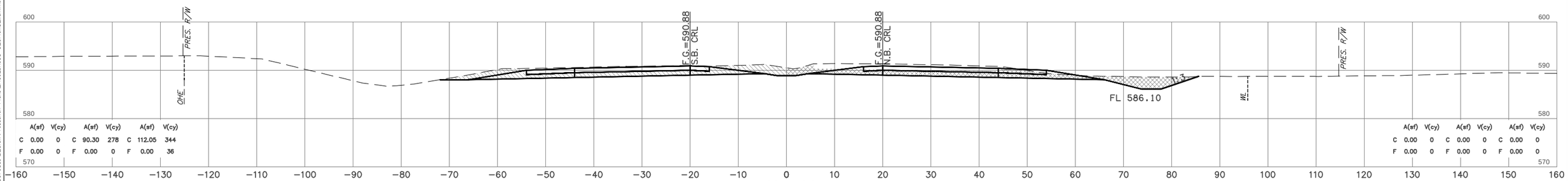
613+00



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	150.52	321	C	122.00	312
F	0.00	0	F	0.86	1	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

612+72



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	90.30	278	C	112.05	344
F	0.00	0	F	0.00	0	F	0.00	36

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

612+00

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE. DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X024

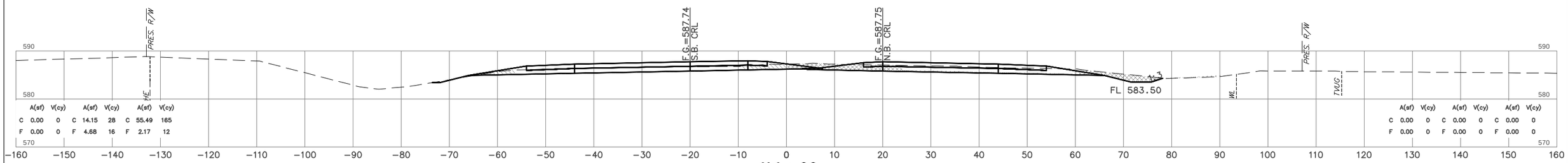
HNB Engineers
Time of Plot: 3:39 AM Plot Style: HDESIGNCTB
11/7/2023
G:\20\A-40\20711\SEG\DESIGN\Production Plans\27108_CROSS SECTIONS_MainLine_PLOT.dwg

OKLAHOMA DEPARTMENT OF TRANSPORTATION

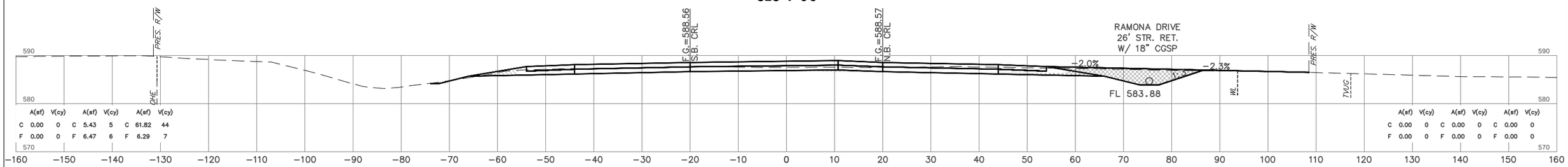
FINAL FIELD MEETING

OCTOBER 2023

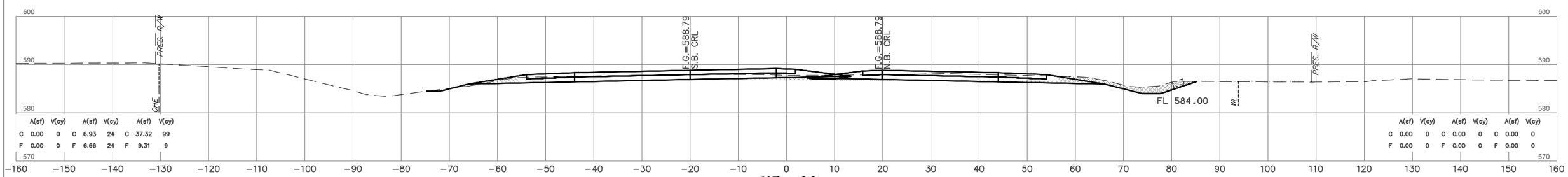
PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7



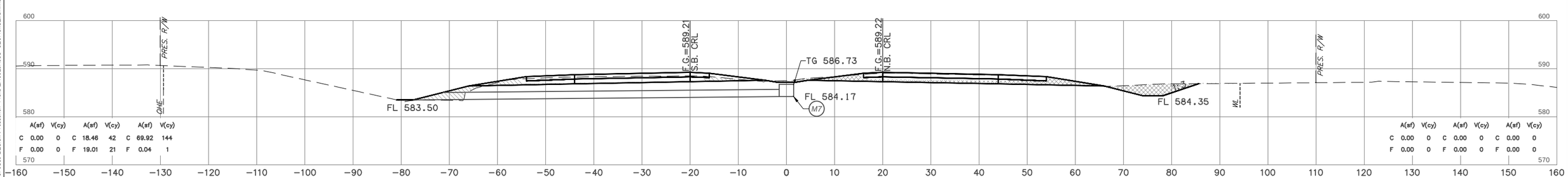
616+00



615+24



615+00



614+50

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE. DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X025

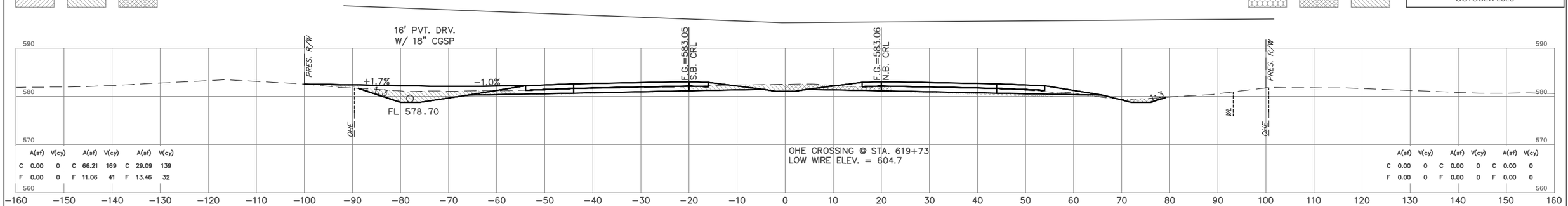
HNB Engineers
Time of Plot: 3:39 AM Plot Style: HPGRAYLTR
10/10/2023
G:\20\A140207\USER\DESIGN\Production Plans\27108_CROSS SECTIONS_MainLine_PLOT.dwg

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

OCTOBER 2023

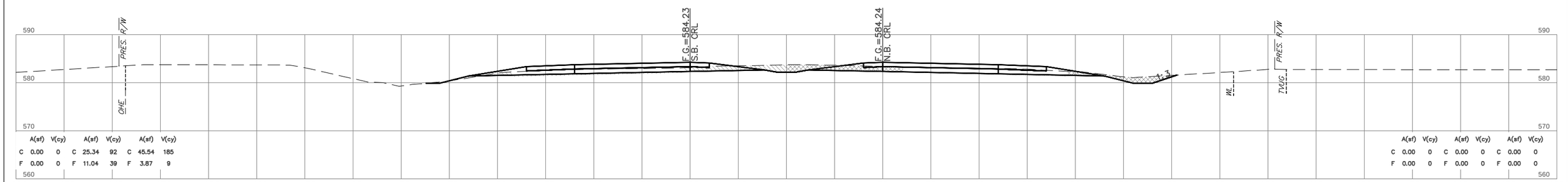
PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	66.21	169	C	29.09	139
F	0.00	0	F	11.06	41	F	13.46	32

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

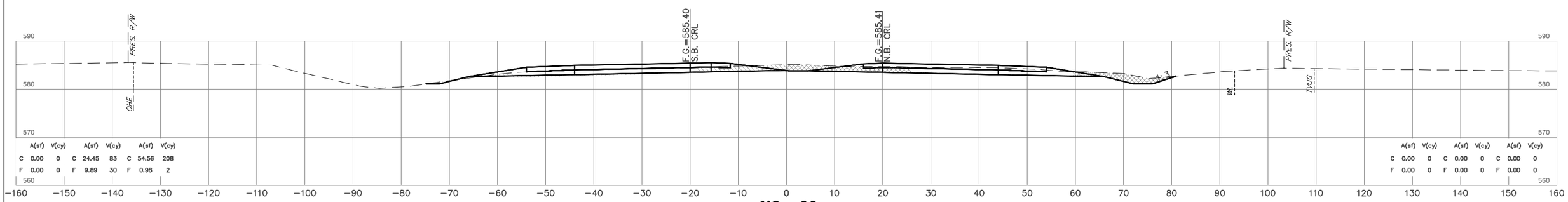
620+00



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	25.34	92	C	45.54	185
F	0.00	0	F	11.04	39	F	3.87	9

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

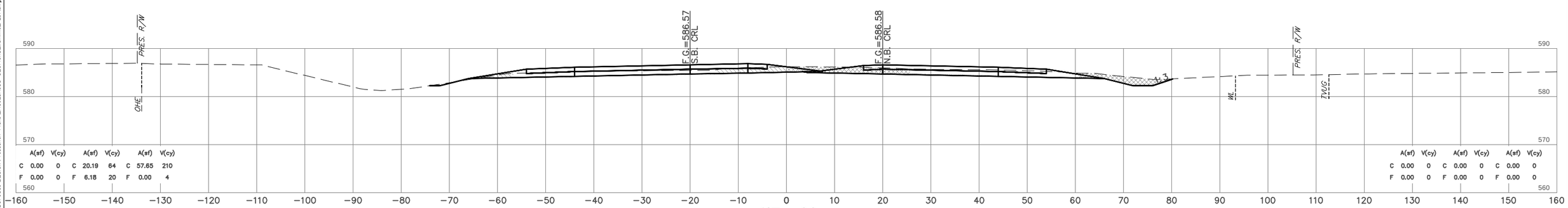
619+00



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	24.45	83	C	54.56	208
F	0.00	0	F	9.89	30	F	0.98	2

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

618+00



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	20.19	64	C	57.65	210
F	0.00	0	F	6.18	20	F	0.00	4

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

617+00

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE. DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X026

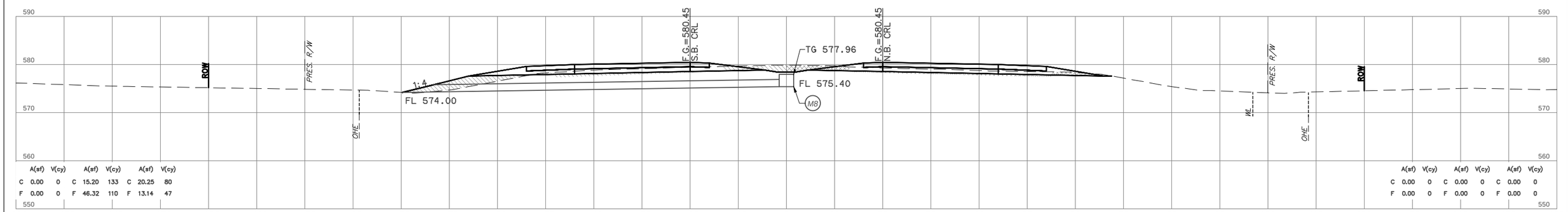
HNB Engineers
Time of Plot: 11/07/2023 3:39 AM Plot Style: HPGIRONJTB
G:\Work\40\0011\DESIGN\Production Plans\27108_CROSS SECTIONS_MainLine_PLOT.dwg

PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7

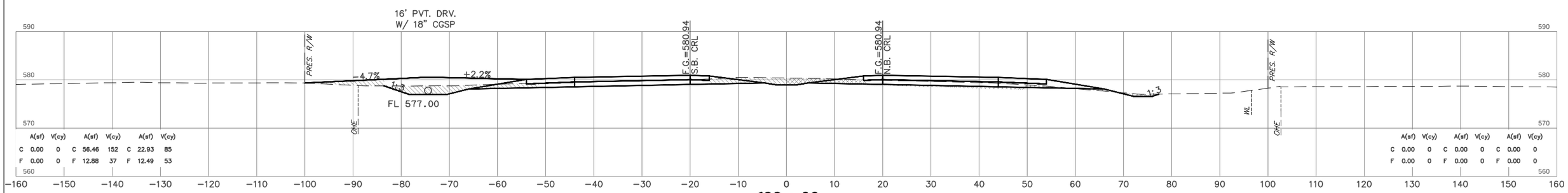
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

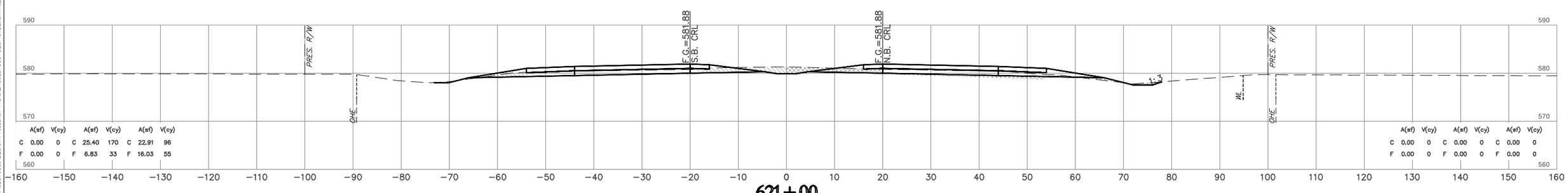
OCTOBER 2023



623+00



622+00



621+00

HNB Engineers
Time of Plot: 11/07/2023 9:40 AM Plot Style: HPGENUCTB
G:\30NA\40\0711\SEG\DESIGN\Production Plans\27108_CROSS SECTIONS_MainLine_PLOT.dwg

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE. DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

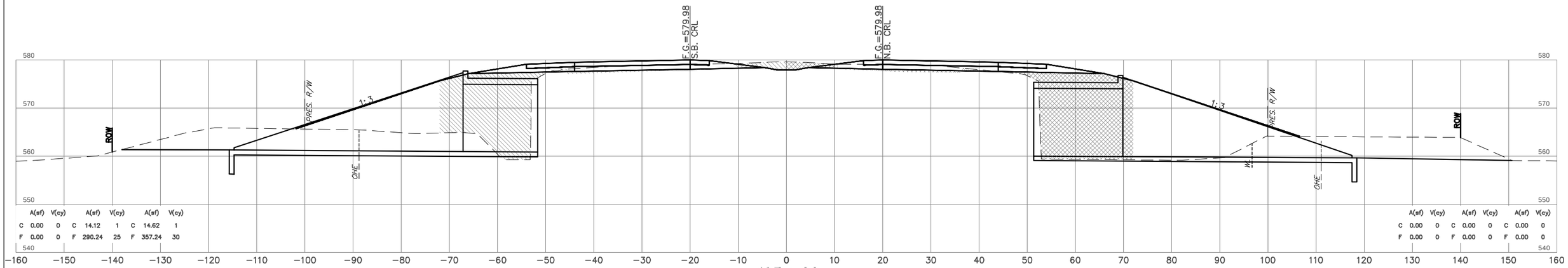
SHEET NO. X027

PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

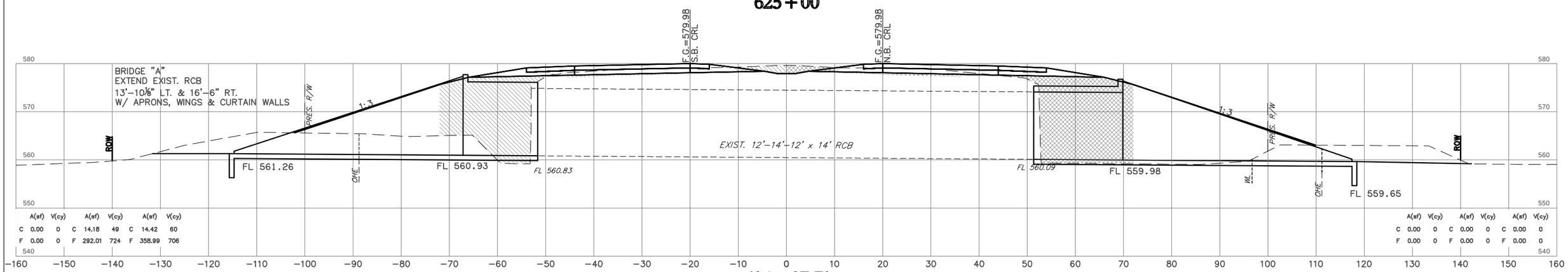
OCTOBER 2023



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	14.12	1	C	14.62	1
F	0.00	0	F	290.24	25	F	357.24	30

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

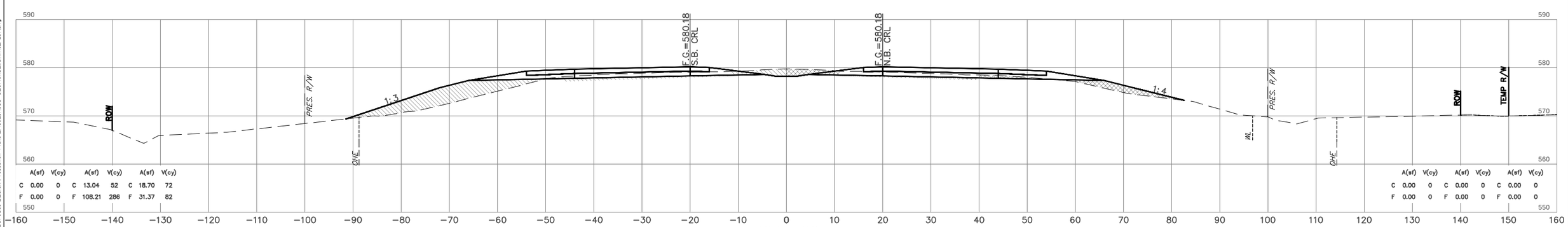
625+00



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	14.18	49	C	14.42	60
F	0.00	0	F	292.01	724	F	358.99	706

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

624+97.71



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	13.04	52	C	18.70	72
F	0.00	0	F	108.21	286	F	31.37	82

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

624+00

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE. DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X028

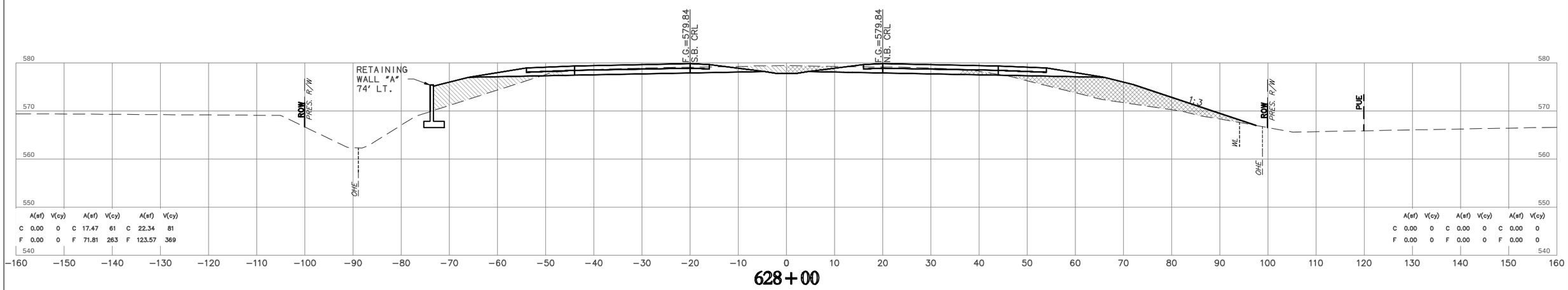
HDR Engineers
Time of Plot: 10/10/2023 9:40 AM Plot Style: HPRISONLTR
Drawing: G:\SUP-HQDOT\USERS\DESIGN\Production Plans\27108_CROSS SECTIONS_Mainline_PLOT.dwg

PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

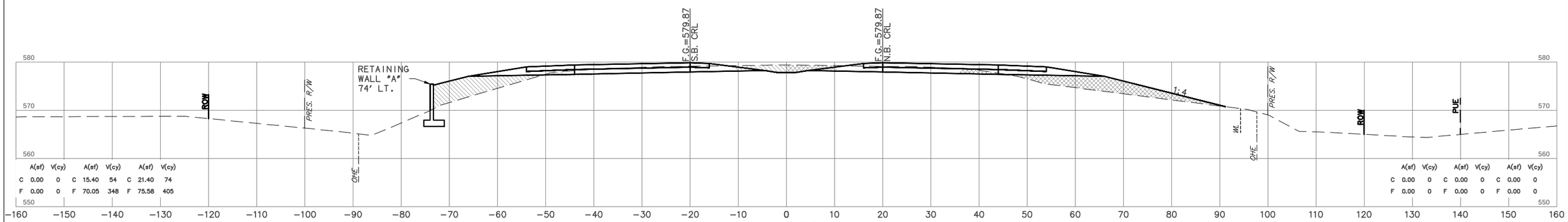
OCTOBER 2023



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	17.47	61	C	22.34	81
F	0.00	0	F	71.81	263	F	123.57	369

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

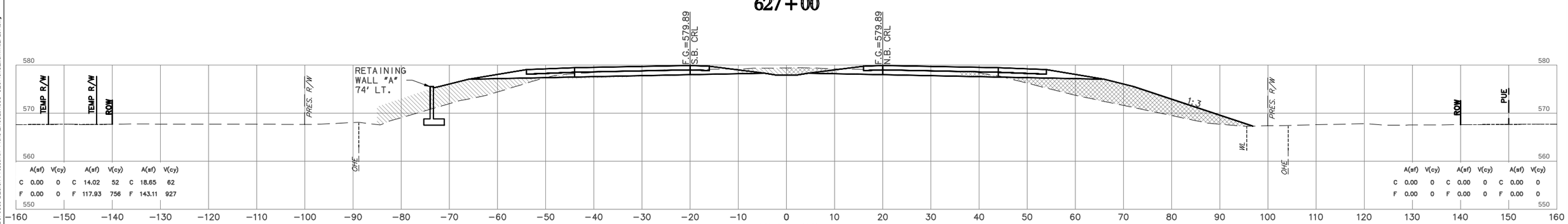
628+00



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	15.40	54	C	21.40	74
F	0.00	0	F	70.05	348	F	75.58	405

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

627+00



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	14.02	52	C	18.65	62
F	0.00	0	F	117.93	756	F	143.11	927

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

626+00

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE. DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY SHEET NO. X029

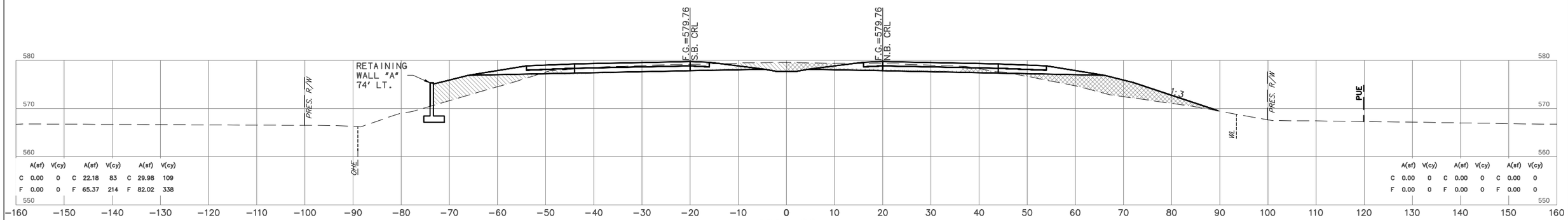
HUB Engineers
Thursday, October 12, 2023 2:40 AM Plot Style: HPBRIDGTB
G:\2024\40207\USER\DESIGN\Production Plans\27108_CROSS SECTIONS_Mainline_PLOT.dwg

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

OCTOBER 2023

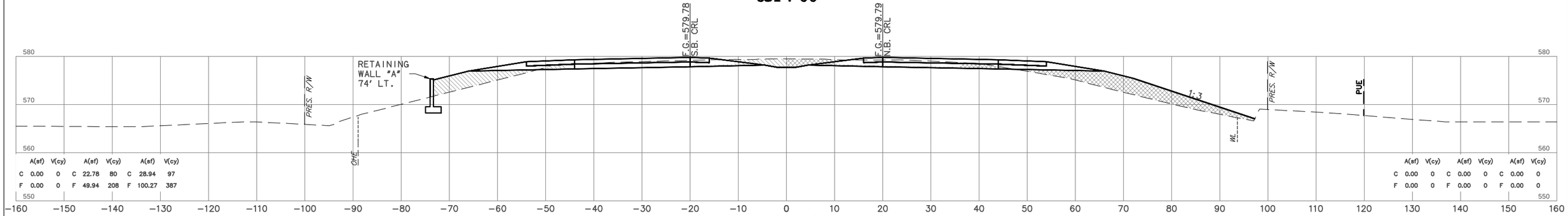
PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	22.18	83	C	29.98	109
F	0.00	0	F	65.37	214	F	82.02	338

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

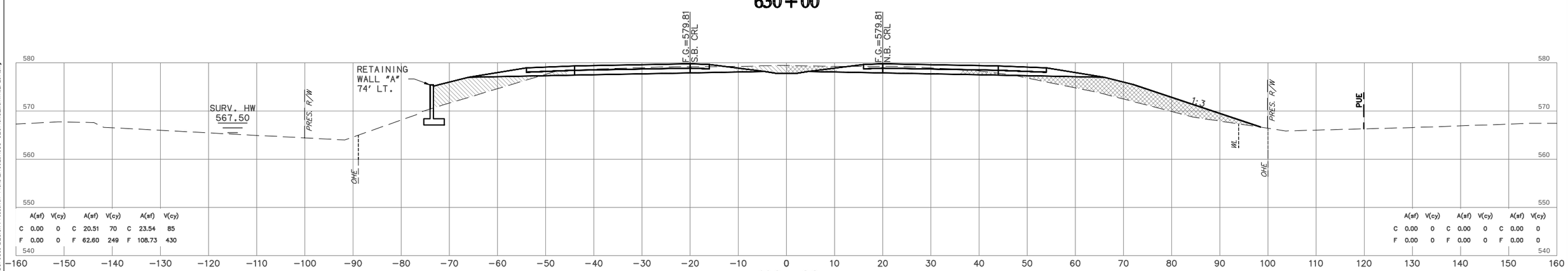
631+00



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	22.78	80	C	28.94	97
F	0.00	0	F	49.94	208	F	100.27	387

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

630+00



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	20.51	70	C	23.54	85
F	0.00	0	F	62.60	249	F	108.73	430

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

629+00

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE. DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X030

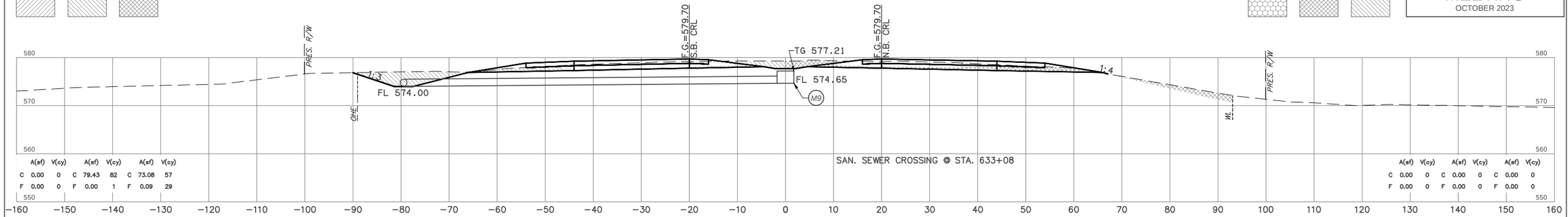
HUB Engineers
Thursday, October 19, 2023 9:40 AM Plot Style: HPGSIGNUCTB
G:\Dbw\WADOT\USERDESIGN\Production Plans\27108_CROSS SECTIONS_Mainline_PLOT.dwg

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

OCTOBER 2023

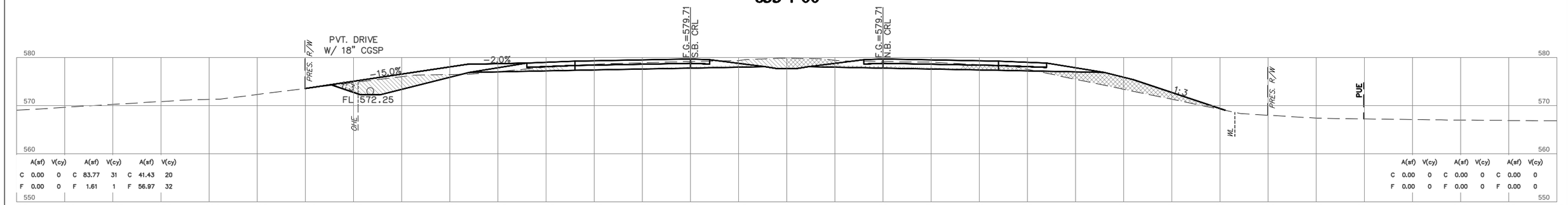
PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	79.43	82	C	73.08	57
F	0.00	0	F	0.00	1	F	0.09	29

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

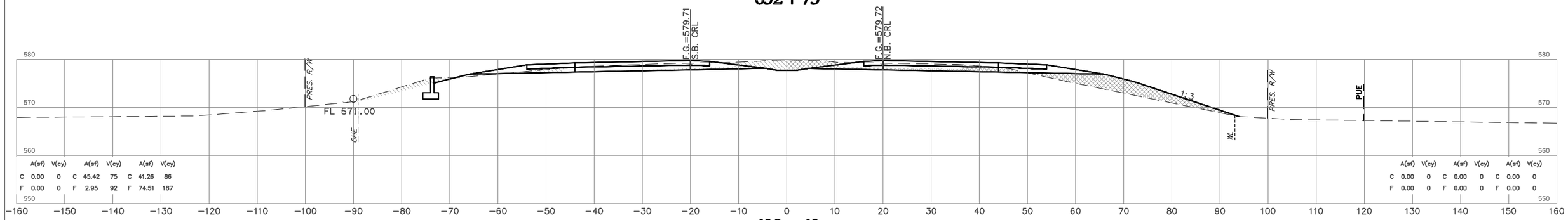
633+00



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	83.77	31	C	41.43	20
F	0.00	0	F	1.61	1	F	56.97	32

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

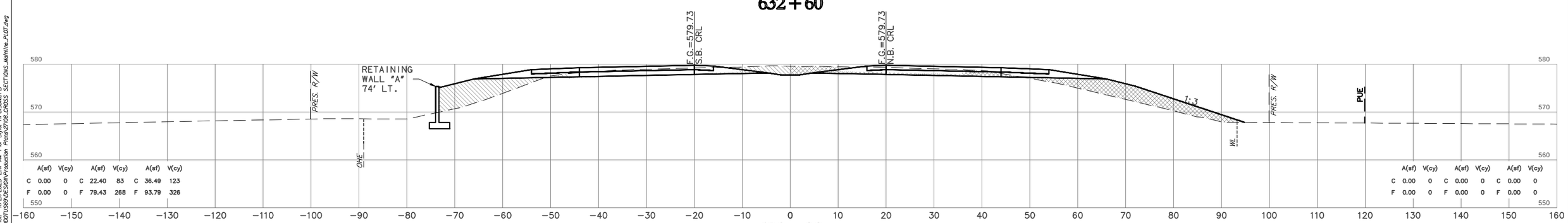
632+73



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	45.42	75	C	41.26	86
F	0.00	0	F	2.95	92	F	74.51	187

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

632+60



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	22.40	83	C	36.49	123
F	0.00	0	F	79.43	268	F	93.79	326

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

632+00

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE. DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

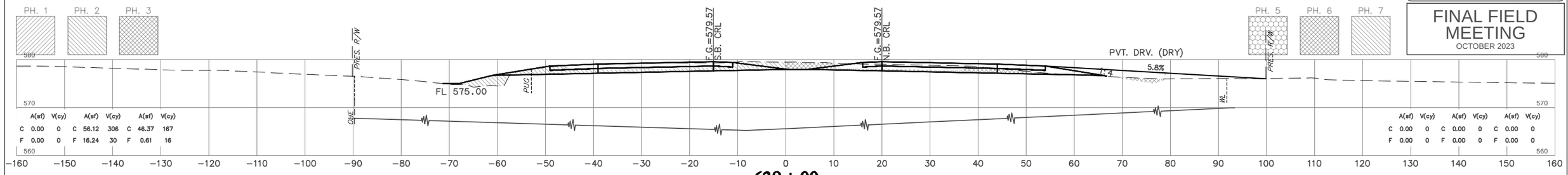
SHEET NO. X031

HNTB Engineers
Time of Plot: 11/07/2023 9:41 AM Plot Style: HPGNSKETCH
G:\30nA-MOD011\SEG\DESIGN\Production Plans\27108_CROSS SECTIONS_MainLine_PLOT.dwg

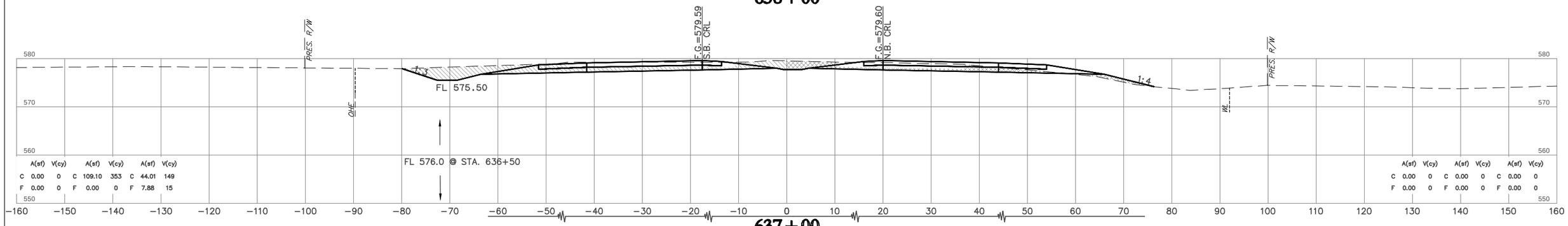
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

OCTOBER 2023

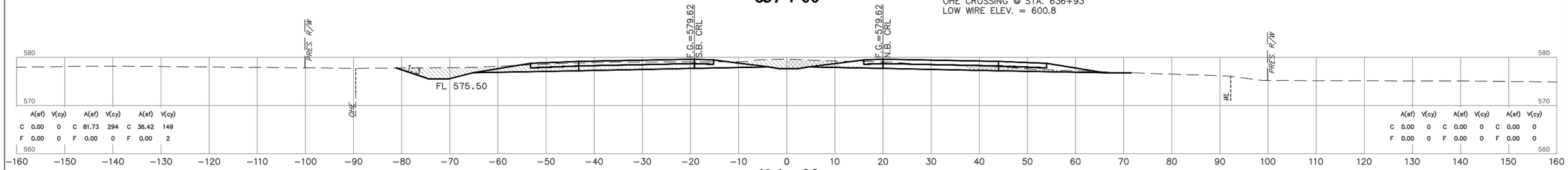


638+00

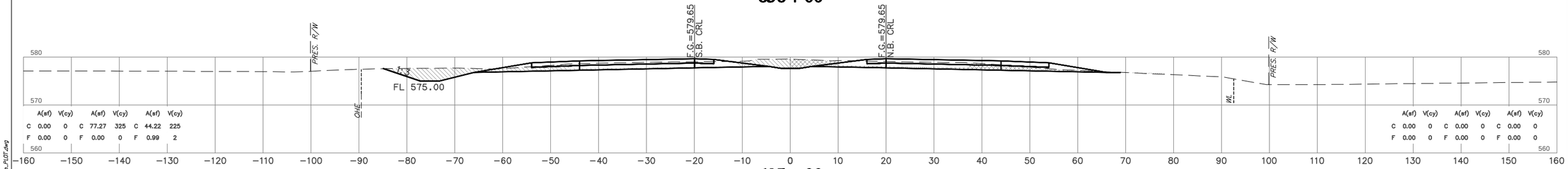


637+00

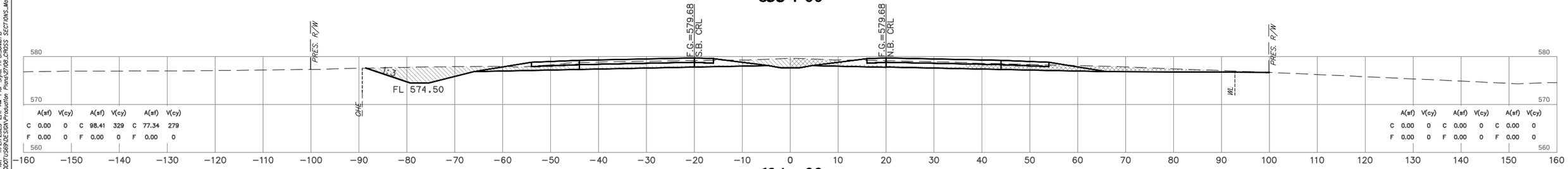
OHE CROSSING @ STA. 636+93
LOW WIRE ELEV. = 600.8



636+00



635+00



634+00

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE.
DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)
MUSKOGEE COUNTY
SHEET NO. X032

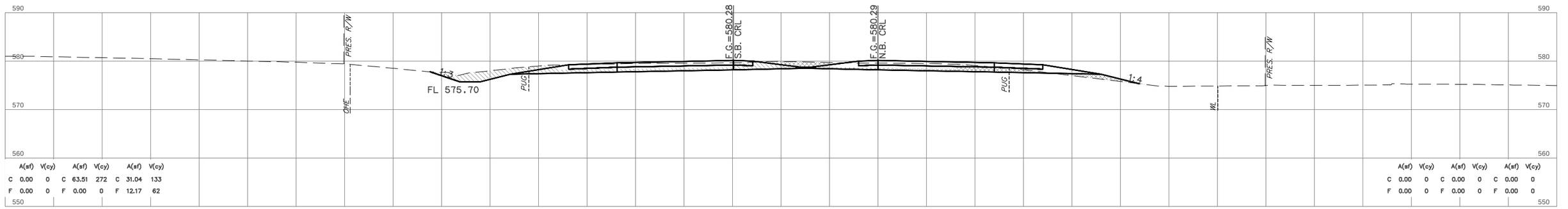
HUB Engineers
Tulsa, OK
10/10/2023 2:41 AM PW Style: HPRISONCFB
G:\Jobs\40201\USER\DESIGN\Production Plans\27108_CROSS SECTIONS_Mollitte_PLOT.dwg

PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7

OKLAHOMA DEPARTMENT OF TRANSPORTATION

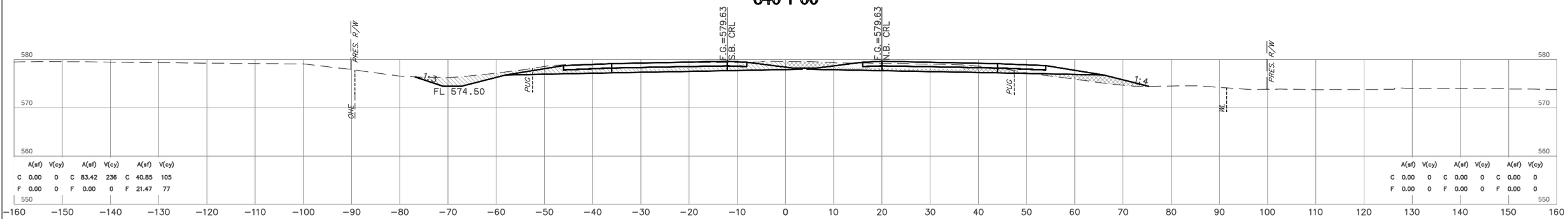
FINAL FIELD MEETING

OCTOBER 2023



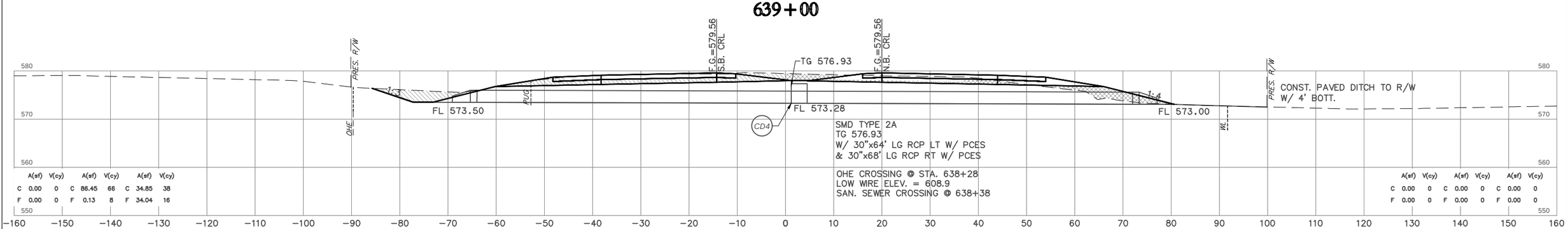
	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	63.51	272	C	31.04	133	C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	12.17	62	F	0.00	0	F	0.00	0	F	0.00	0

640+00



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	83.42	236	C	40.85	105	C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	21.47	77	F	0.00	0	F	0.00	0	F	0.00	0

639+00



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	86.45	66	C	34.85	38	C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.13	8	F	34.04	16	F	0.00	0	F	0.00	0	F	0.00	0

638+25

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE.
DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X033

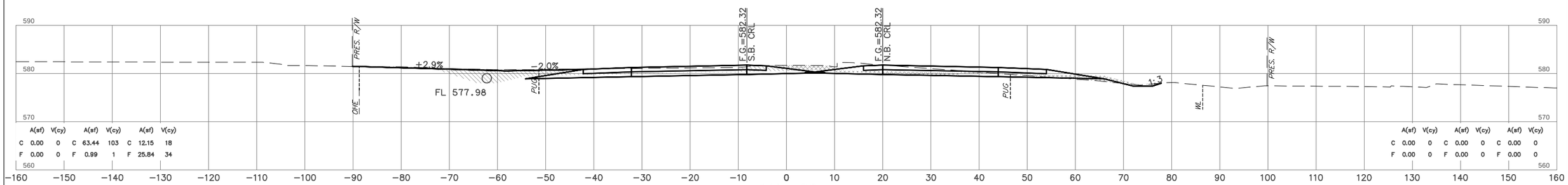
HNB Engineers
Tue Oct 17, 2023 2:41 AM PW Style: HPWSKM.CTB
G:\30NA\40201\USER\DESIGN\Production Plans\27108_CROSS SECTIONS_MainLine_PLOT.dwg

PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7

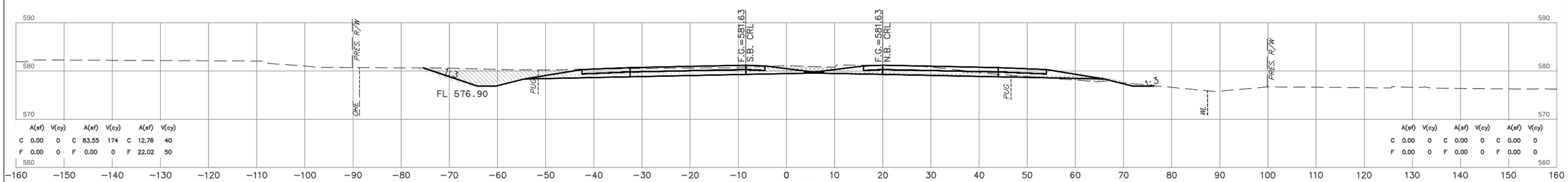
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

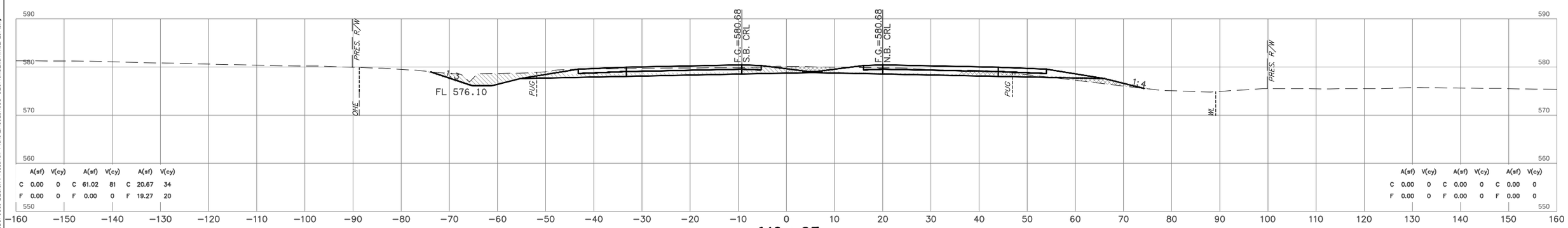
OCTOBER 2023



641+38



641+00



640+35

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE.
DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X034

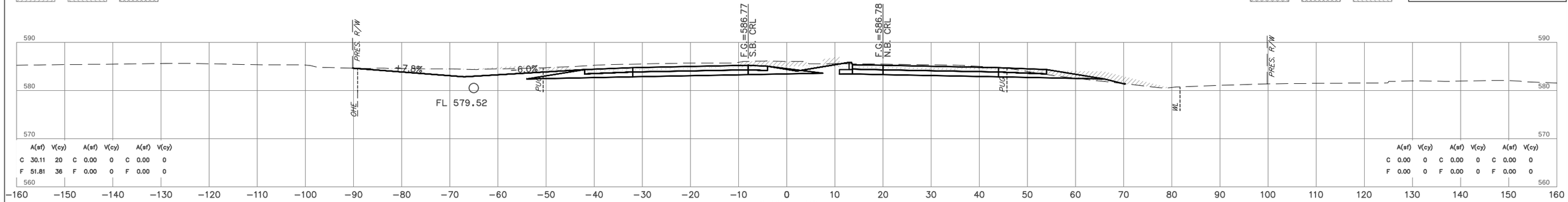
HDR Engineers
Thursday, July 11, 2024 2:42 AM Plot Style: HPRISONUTP
G:\SDR-HQ\OTUSERVDESIGN\Production Plans\27108_CROSS SECTIONS_Mainline_PLOT.dwg

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

OCTOBER 2023

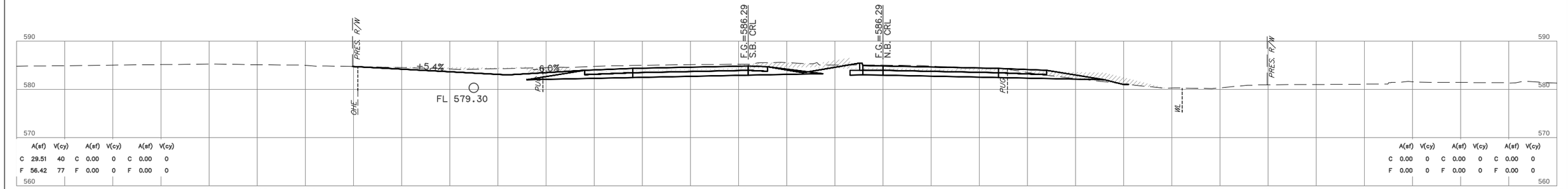
PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	30.11	20	C	0.00	0	C	0.00	0
F	51.81	36	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

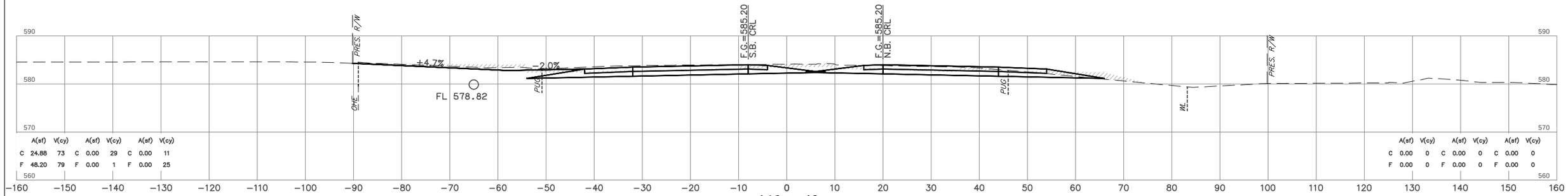
643+18



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	29.51	40	C	0.00	0	C	0.00	0
F	56.42	77	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

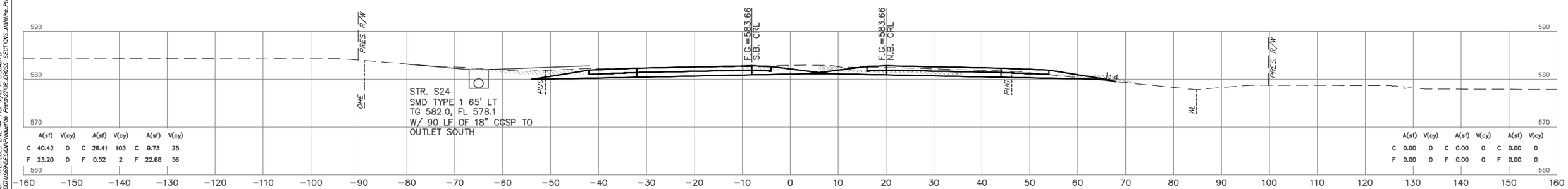
643+00



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	24.88	73	C	0.00	29	C	0.00	11
F	48.20	79	F	0.00	1	F	0.00	25

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

642+60



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	40.42	0	C	26.41	103	C	9.73	25
F	23.20	0	F	0.52	2	F	22.68	56

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

642+00

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE. DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X035

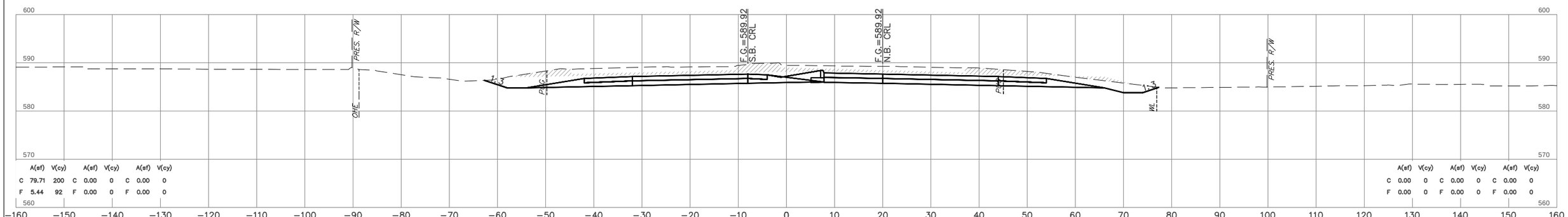
HNB Engineers
Time of Plot: 11/07/2023 9:42 AM Plot Style: HDESIGNCTB
G:\Sdrive\40207\USERDESIGN\Production Plans\27108_CROSS SECTIONS_MainLine_PLOT.dwg

PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7

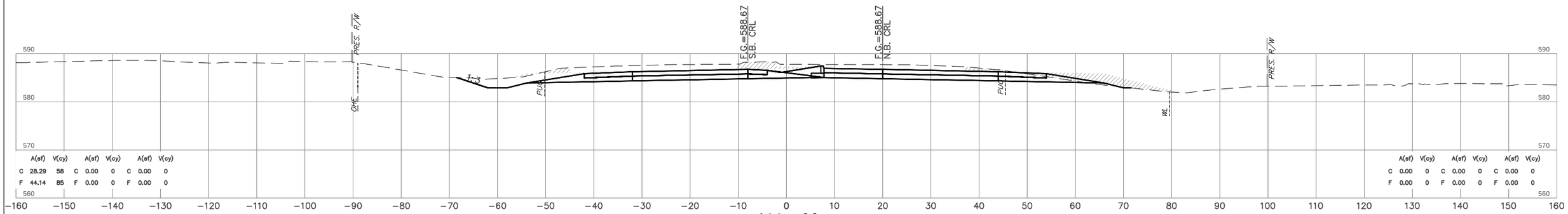
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

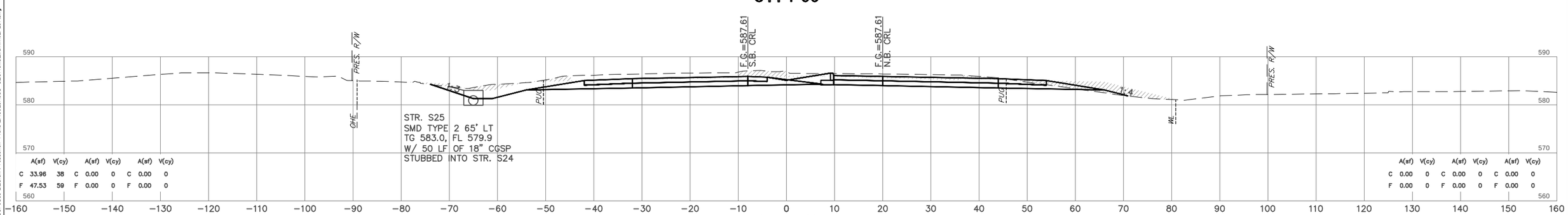
OCTOBER 2023



645+00



644+00



643+50

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE. DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X036

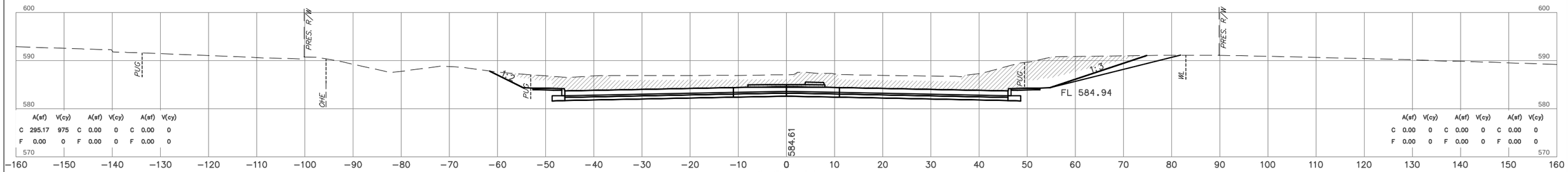
HNB Engineers
Time of Plot: 11:07:24 AM Plot Style: HPGSNCTB
G:\20\A\40\0711\SER\DESIGN\Production Plans\27108_CROSS SECTIONS_MainLine_PLOT.dwg

PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

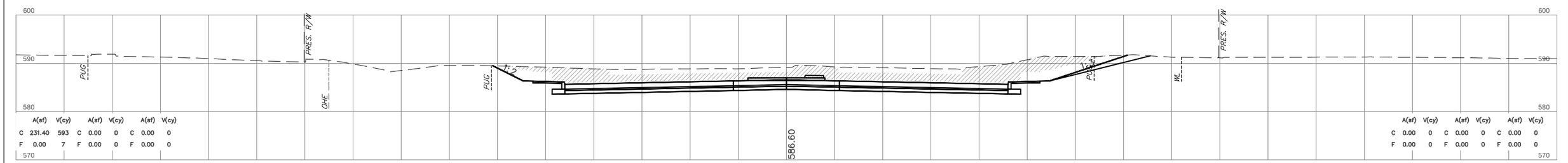
OCTOBER 2023



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	295.17	975	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

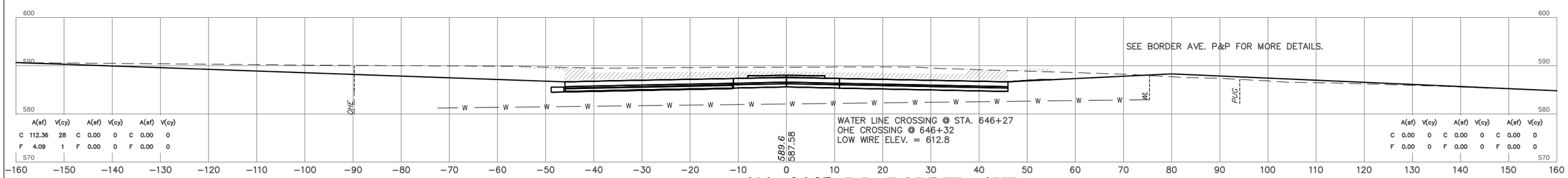
648+00



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	231.40	593	C	0.00	0	C	0.00	0
F	0.00	7	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

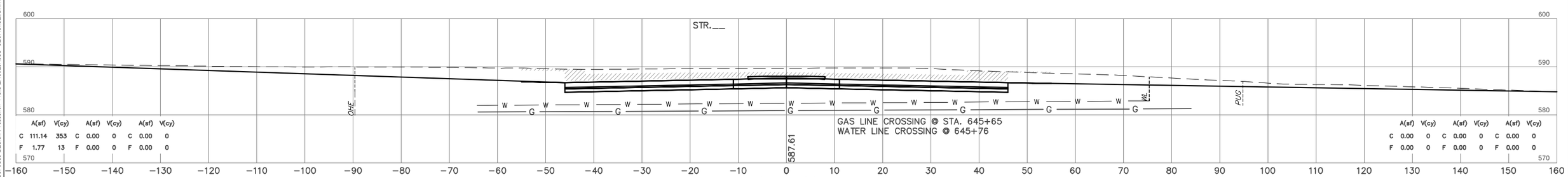
647+00



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	112.36	28	C	0.00	0	C	0.00	0
F	4.09	1	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

646+06.85 P.I. BORDER AVE.



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	111.14	353	C	0.00	0	C	0.00	0
F	1.77	13	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

646+00

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE.
DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X037

HNB Engineers
Time of Plot: 11/07/2023 9:43 AM Plot Style: HPGRSCNCTB
G:\Sha\4400011\SRS\DESIGN\Production Plans\27108_CROSS SECTIONS_MainLine_PLOT.dwg

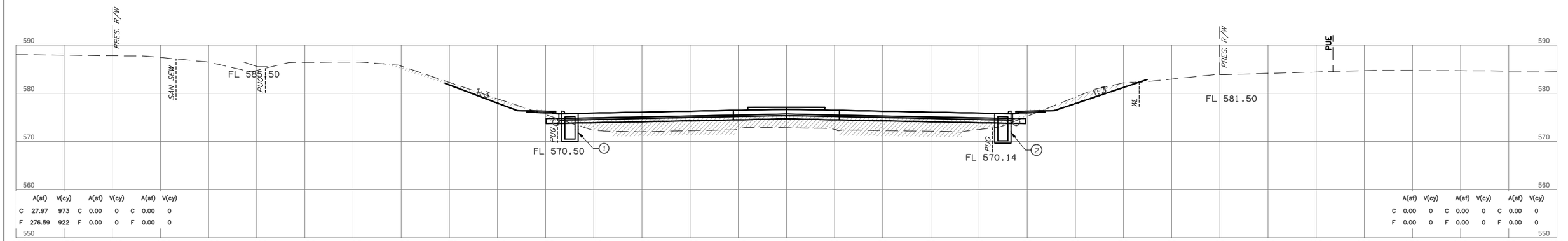
PH. 1 PH. 2 PH. 3

PH. 5 PH. 6 PH. 7

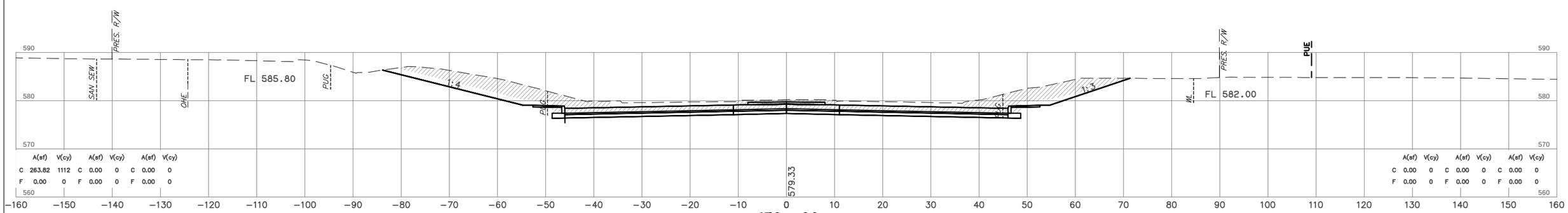
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

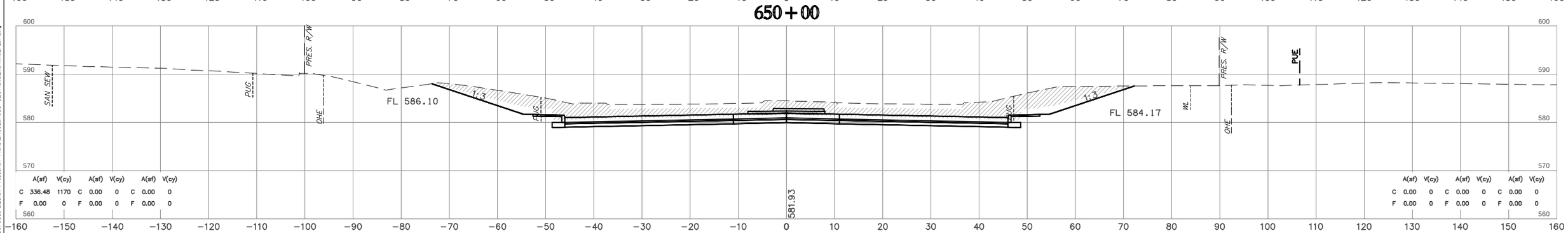
OCTOBER 2023



651+80



650+00



649+00

HNB Engineers
Time of Plot: 11/07/2023 9:44 AM Plot Style: HPDESIGN.CTB
G:\20\04\40207\USER\DESIGN\Production Plans\27108_CROSS SECTIONS_MainLine_PLOT.dwg

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE. DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

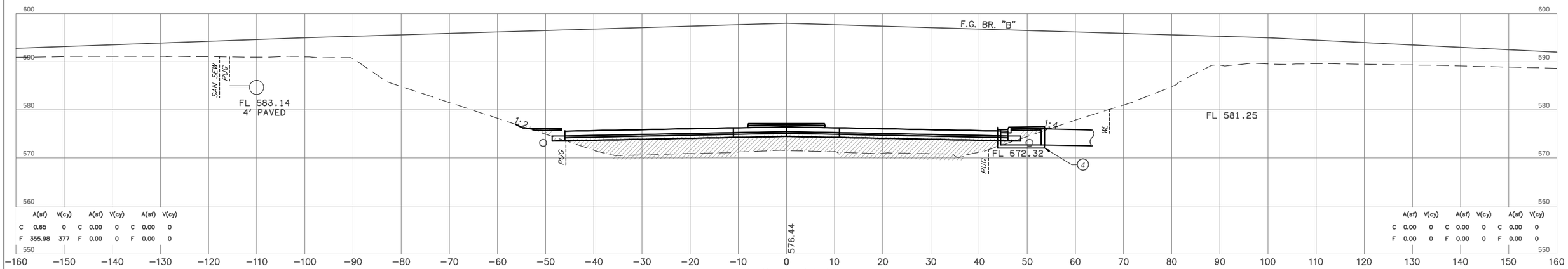
SHEET NO. X038

PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

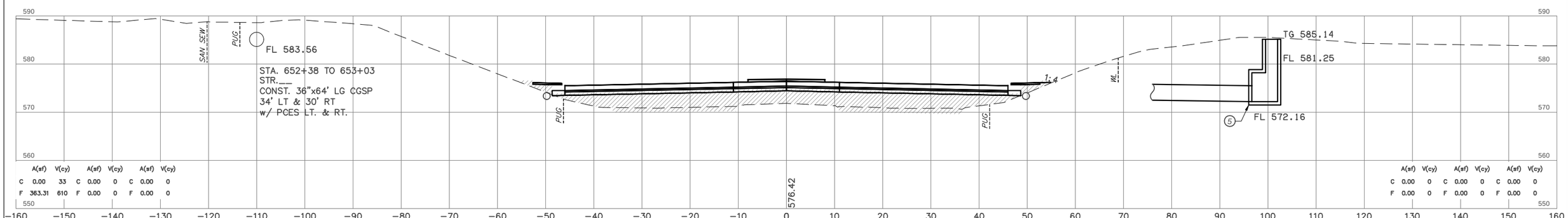
OCTOBER 2023



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.65	0	C	0.00	0	C	0.00	0
F	355.98	377	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

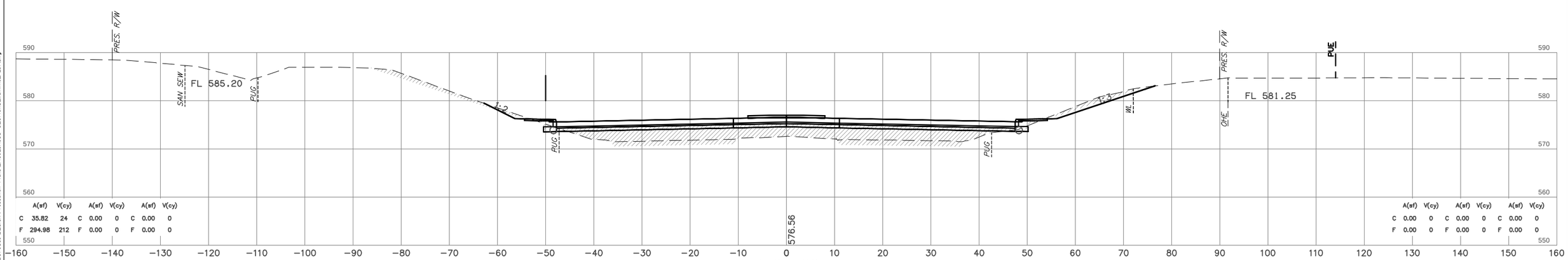
652+78.34



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	33	C	0.00	0	C	0.00	0
F	363.31	610	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

652+50



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	35.82	24	C	0.00	0	C	0.00	0
F	294.98	212	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

652+00

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE. DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY SHEET NO. X039

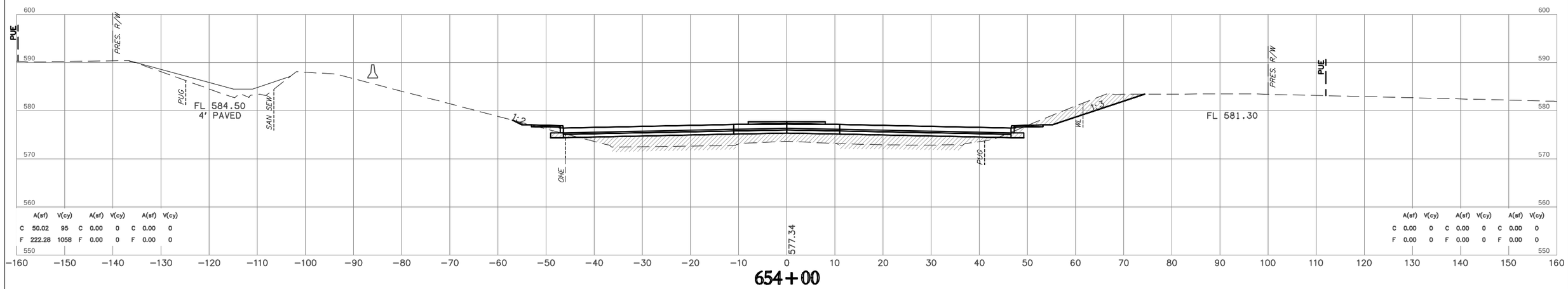
HDR Engineers
Date of Plot: 11/07/2023 9:44 AM Plot Style: HPRESONLTR
User: A40201 USER:DESIGN Production Plan:X27108_CROSS SECTIONS_Mainline_PLOT.dwg

OKLAHOMA DEPARTMENT OF TRANSPORTATION

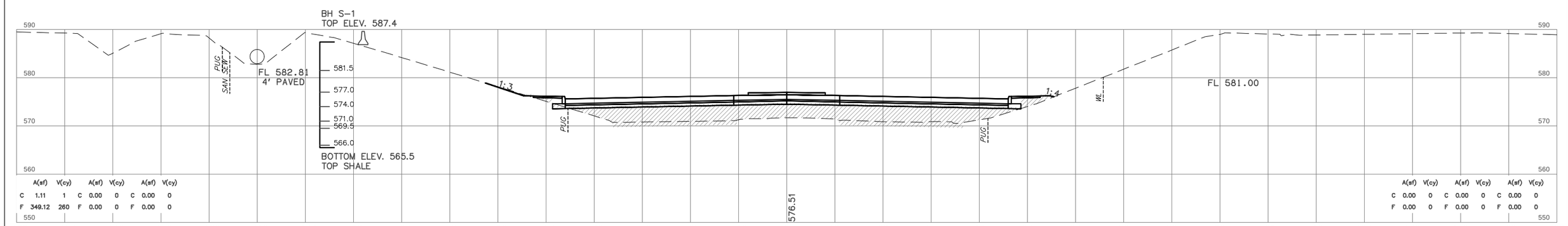
FINAL FIELD MEETING

OCTOBER 2023

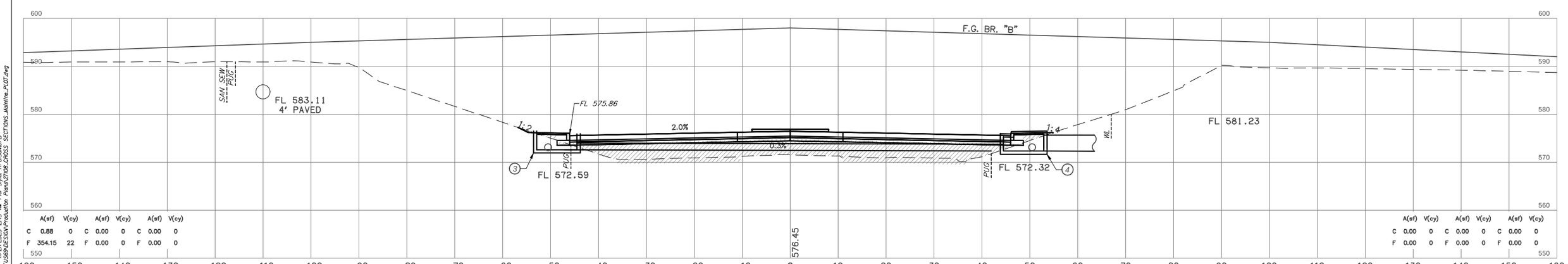
PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7



654+00



653+00



652+80

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE. DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X040

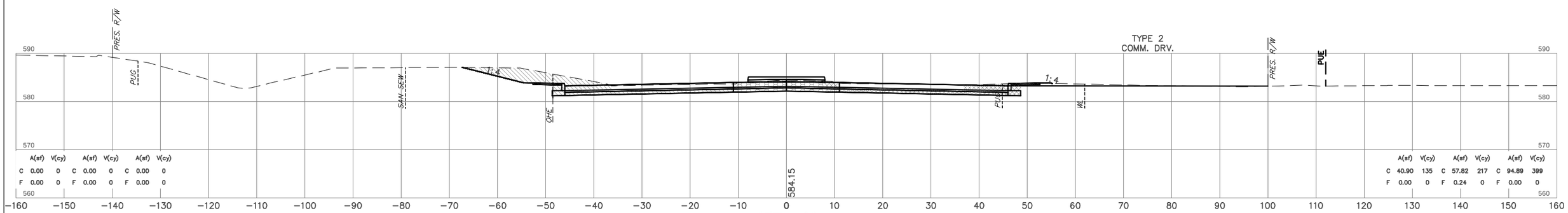
HUB Engineers
Thursday, October 19, 2023 9:45 AM Plot Style: HPRISM.CTB
G:\SDKA\HDOT\USER\DESIGN\Production Plans\27108_CROSS SECTIONS_Mainline_PLOT.dwg

PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7

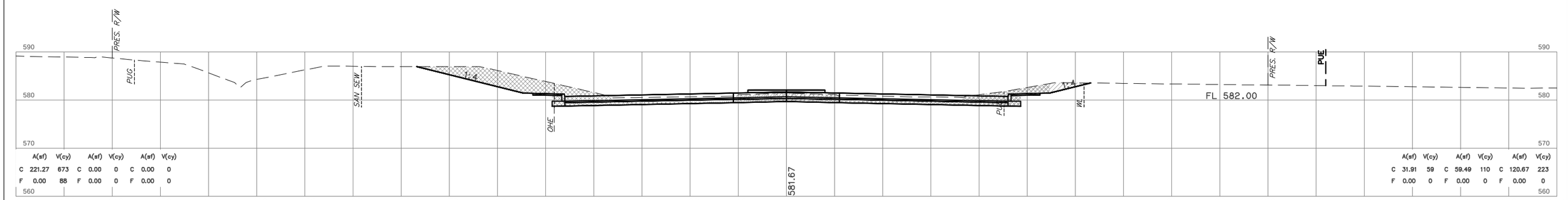
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

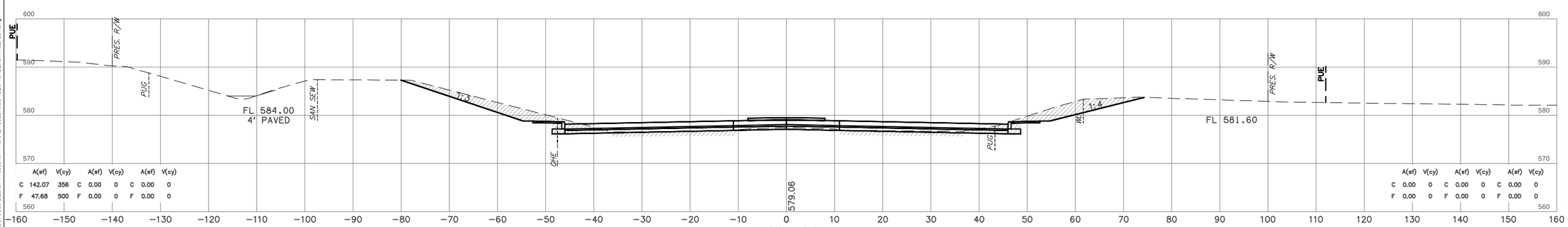
OCTOBER 2023



657+00



656+00



655+00

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE.
DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X041

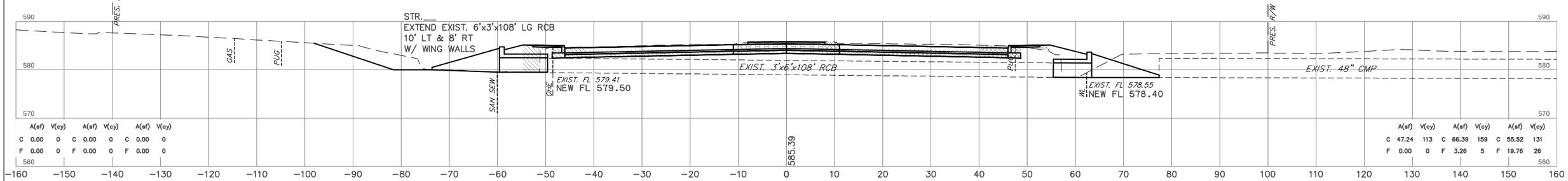
HDR Engineers
Time of Plot: 11/10/2023 9:45 AM Plot Style: HDRDGNPTB
G:\Sdn4\4820\USER\DESIGN\Production Plans\27108_CROSS SECTIONS_MeltIrrie_PLOT.dwg

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

OCTOBER 2023

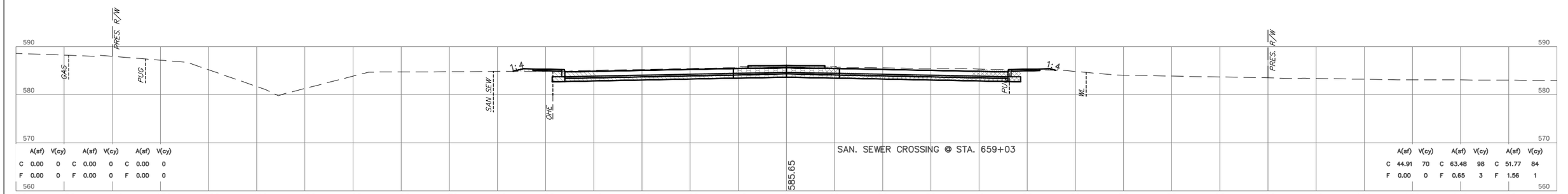
PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	47.24	113	C	66.39	159	C	55.52	131
F	0.00	0	F	3.26	5	F	19.76	26

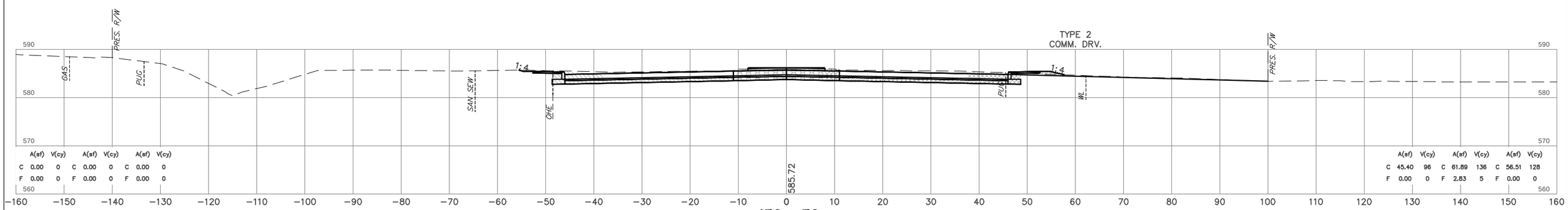
659+66



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	44.91	70	C	63.48	98	C	51.77	84
F	0.00	0	F	0.65	3	F	1.56	1

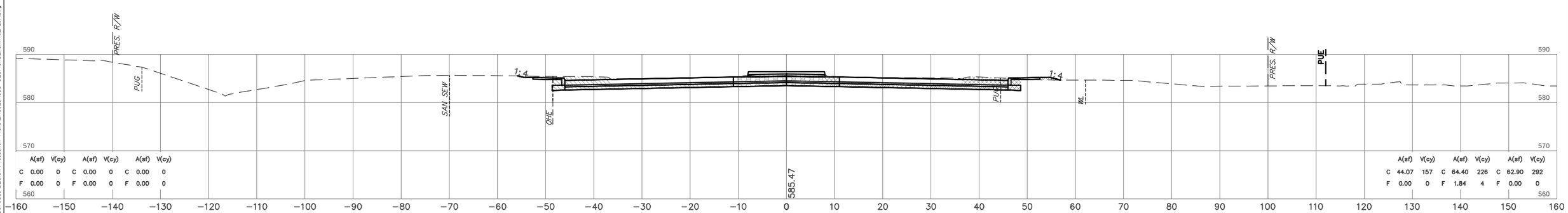
659+00



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	45.40	96	C	61.89	136	C	56.51	128
F	0.00	0	F	2.83	5	F	0.00	0

658+58



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	44.07	157	C	64.40	226	C	62.90	292
F	0.00	0	F	1.84	4	F	0.00	0

658+00

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE. DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X042

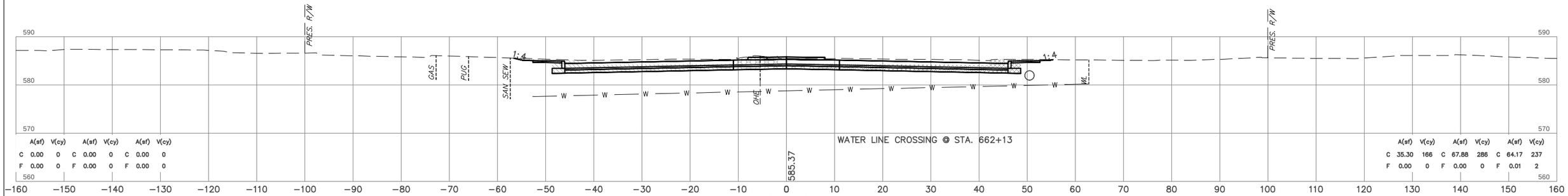
HNB Engineers
Tue, 11/07/2023 2:45 AM Plot Style: HPGL2.pc3
G:\Shared\400011\SBG\DESIGN\Production Plans\27108_CROSS SECTIONS_MainLine_PLOT.dwg

OKLAHOMA DEPARTMENT OF TRANSPORTATION

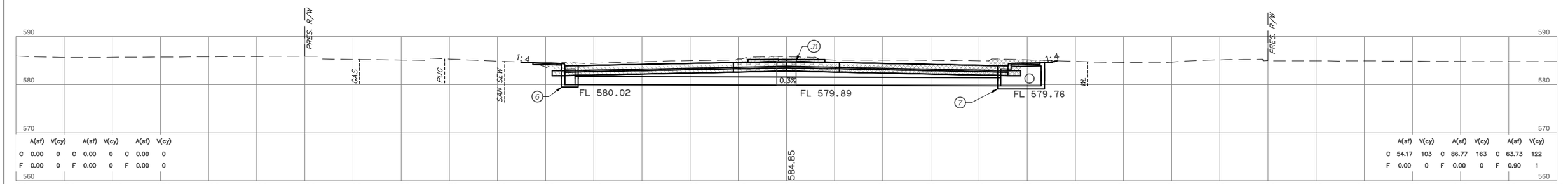
FINAL FIELD MEETING

OCTOBER 2023

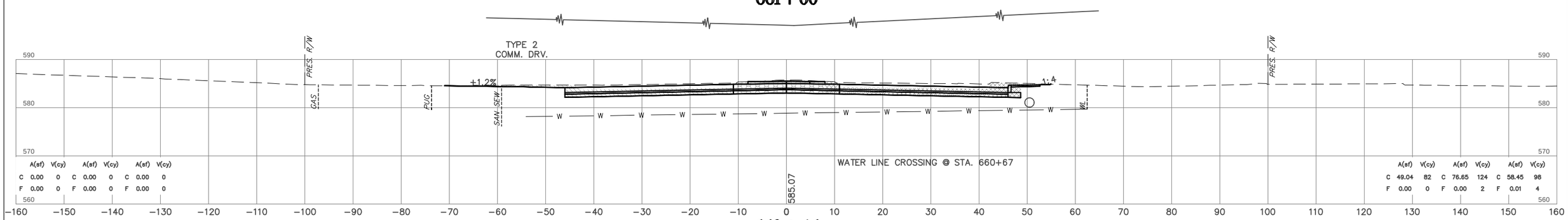
PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7



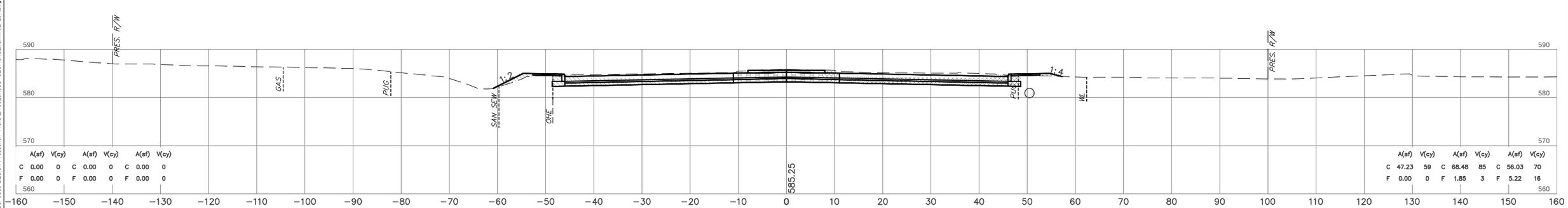
662+00



661+00



660+46



660+00

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE. DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X043

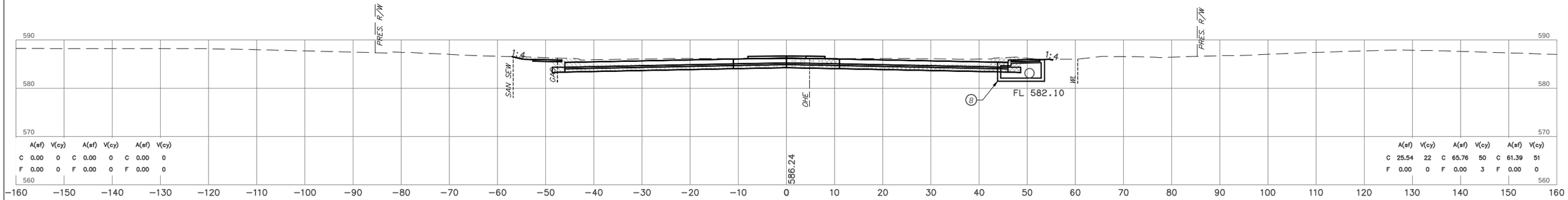
HNB Engineers
Time of Plot: 10:17 AM Date of Plot: 10/10/2023
G:\20\A140\20710\USER\DESIGN\Production Plans\27108_CROSS SECTIONS_MainLine_PLOT.dwg

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

OCTOBER 2023

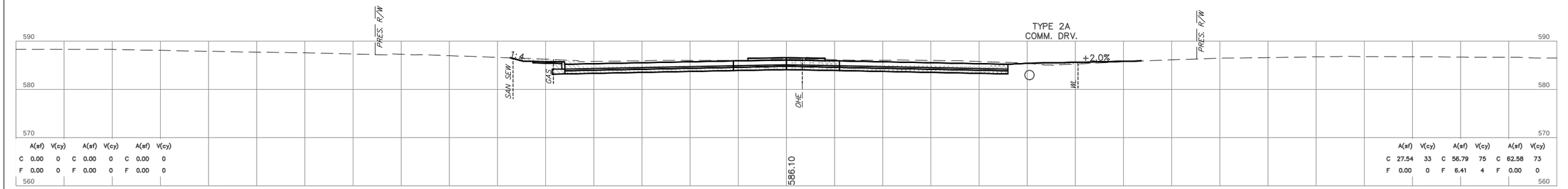
PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	25.54	22	C	65.76	50	C	61.39	51
F	0.00	0	F	0.00	3	F	0.00	0

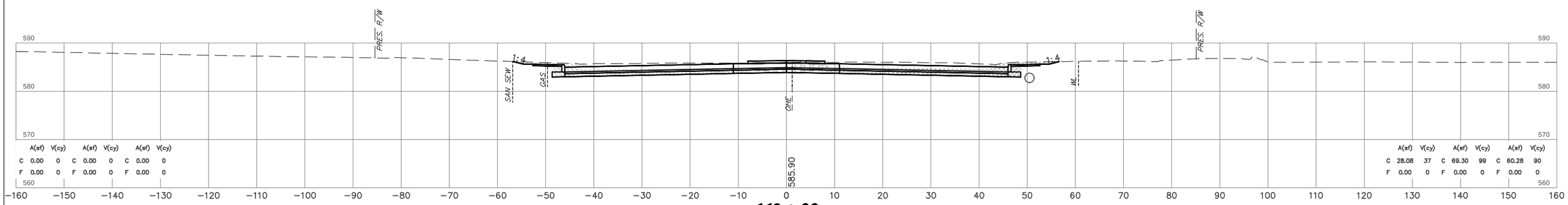
663+54



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	27.54	33	C	56.79	75	C	62.58	73
F	0.00	0	F	6.41	4	F	0.00	0

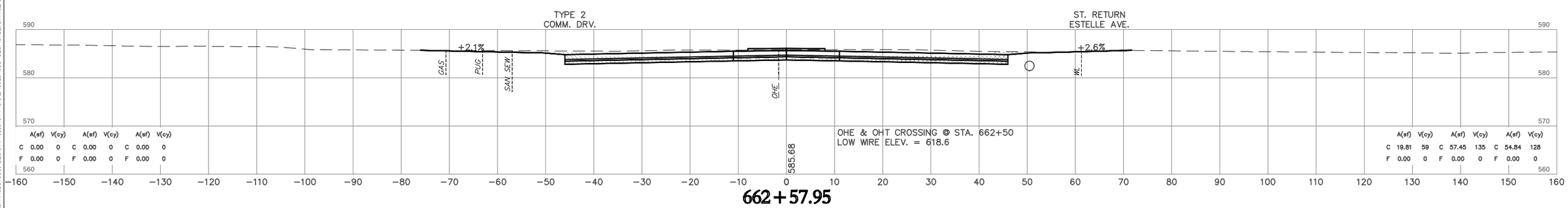
663+32



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	28.08	37	C	69.30	99	C	60.28	90
F	0.00	0	F	0.00	0	F	0.00	0

663+00



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	19.81	59	C	57.45	135	C	54.84	128
F	0.00	0	F	0.00	0	F	0.00	0

662+57.95

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE. DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X044

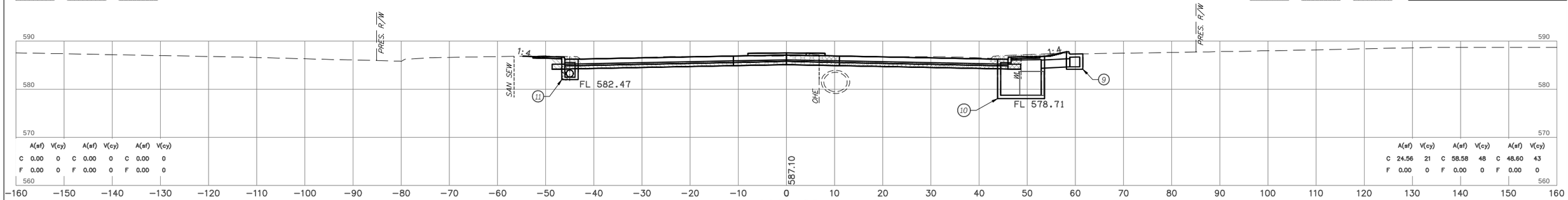
HNB Engineers
Time of Plot: 11/06/2023 2:46 AM Plot Style: HPDESIGNCTB
G:\30nA-MODOT\USER\DESIGN\Production Plans\27108_CROSS SECTIONS_MeNiNe_PLOT.dwg

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

OCTOBER 2023

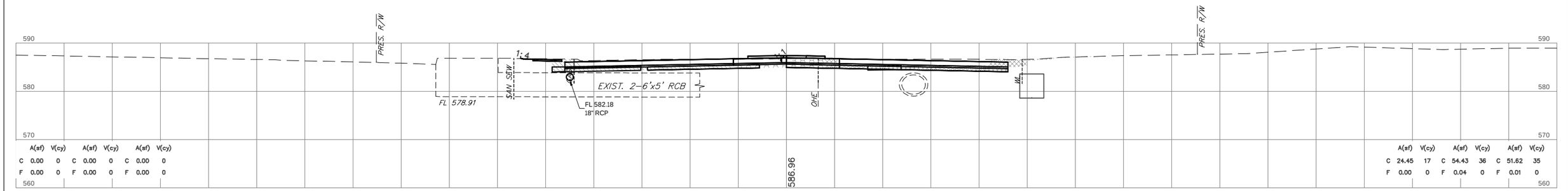
PH. 1 | PH. 2 | PH. 3 | PH. 5 | PH. 6 | PH. 7



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	24.56	21	C	58.58	48	C	48.60	43
F	0.00	0	F	0.00	0	F	0.00	0

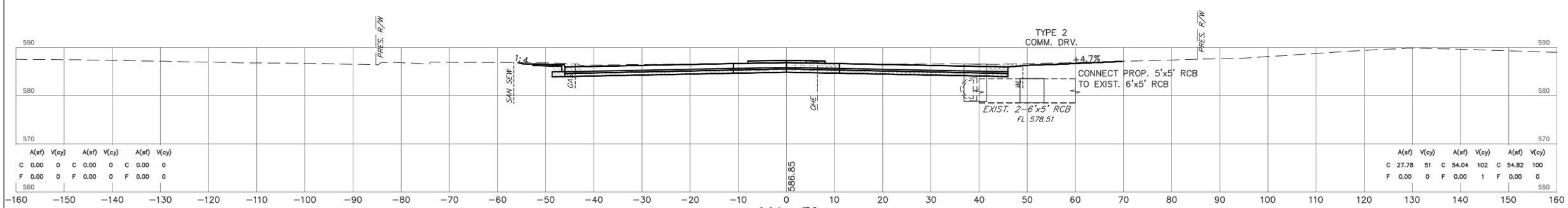
664+93



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	24.45	17	C	54.43	36	C	51.62	35
F	0.00	0	F	0.04	0	F	0.01	0

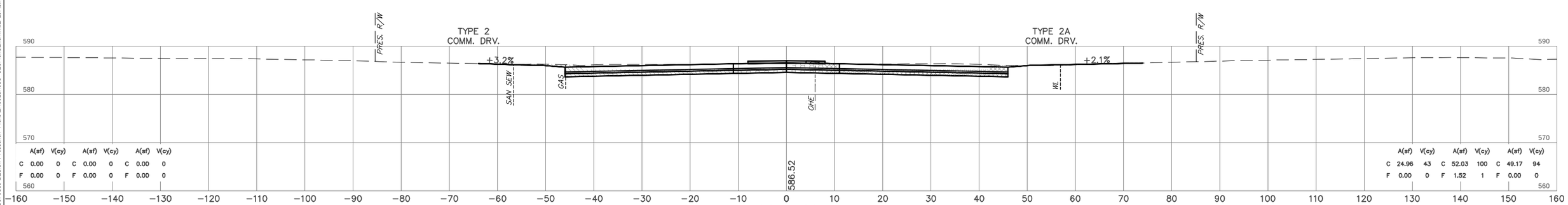
664+70



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	27.78	51	C	54.04	102	C	54.82	100
F	0.00	0	F	0.00	1	F	0.00	0

664+52



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	24.96	43	C	52.03	100	C	49.17	94
F	0.00	0	F	1.52	1	F	0.00	0

664+00

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE.
DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X045

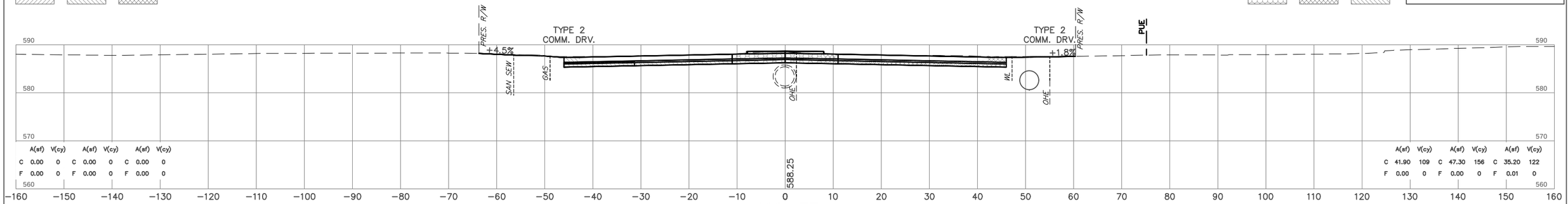
HNB Engineers
Tue, 10/10/2023 2:46 AM Plot Style: HPDESIGNCTB
G:\Shared\400011\SBG\DESIGN\Production Plans\27108_CROSS SECTIONS_MainLine_PLOT.dwg

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

OCTOBER 2023

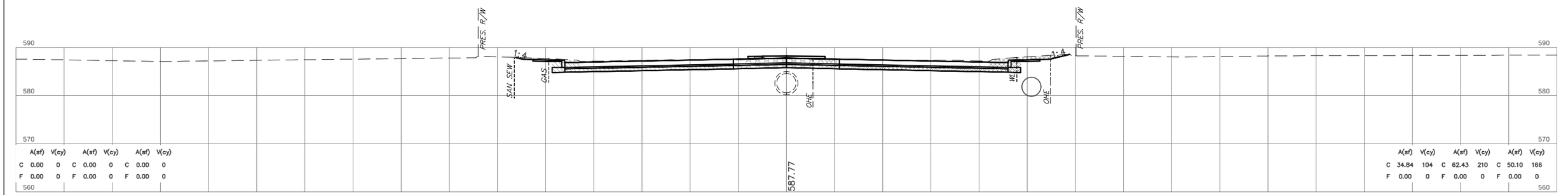
PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	41.90	109	C	47.30	156	C	35.20	122
F	0.00	0	F	0.00	0	F	0.01	0

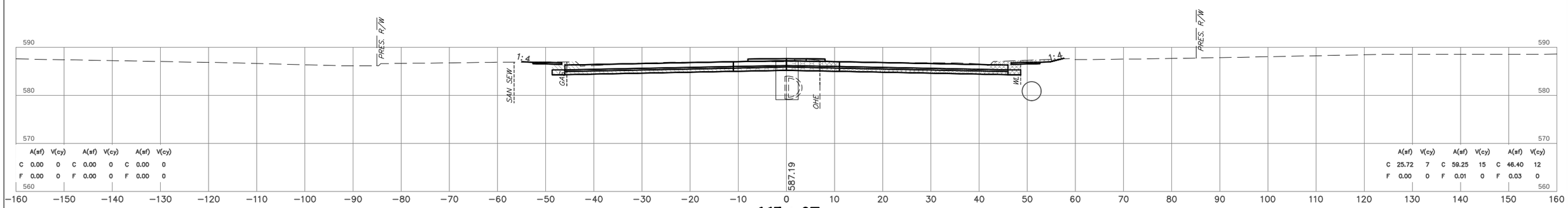
666+77



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	34.84	104	C	62.43	210	C	50.10	166
F	0.00	0	F	0.00	0	F	0.00	0

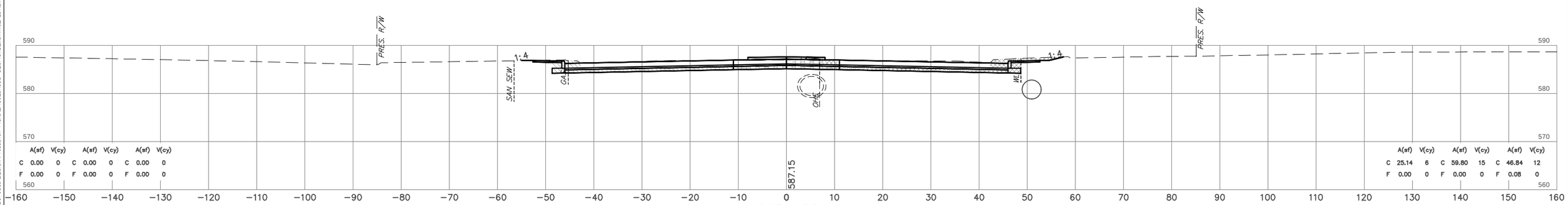
666+00



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	25.72	7	C	59.25	15	C	46.40	12
F	0.00	0	F	0.01	0	F	0.03	0

665+07



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	25.14	6	C	59.80	15	C	46.84	12
F	0.00	0	F	0.00	0	F	0.08	0

665+00

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE.
DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X046

HNB Engineers
Tue, 17 Oct 2023 2:46 AM Plot Style: HPGISNCTB
G:\Sha\4-40\0711\SBG\DESIGN\Production Plans\27108_CROSS SECTIONS_MainLine_PLOT.dwg

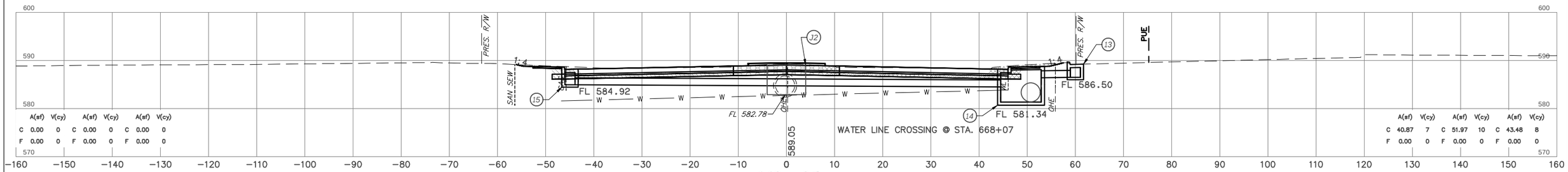
PH. 1 PH. 2 PH. 3

PH. 5 PH. 6 PH. 7

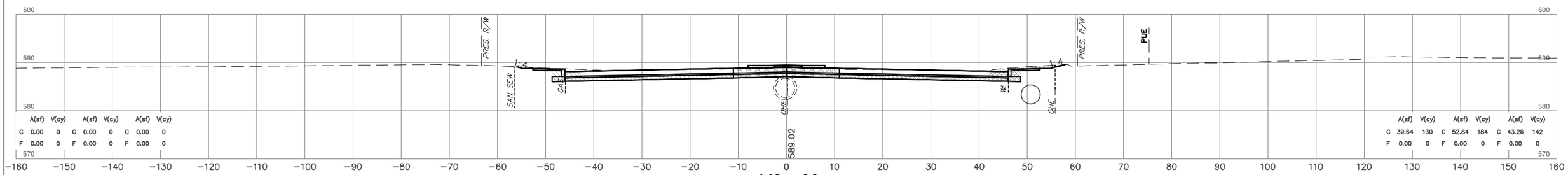
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

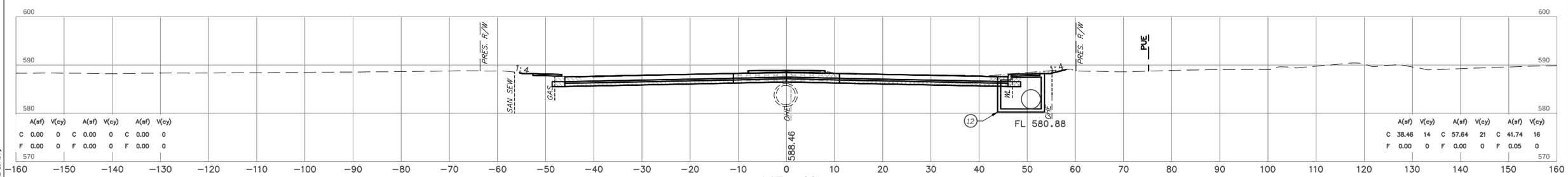
OCTOBER 2023



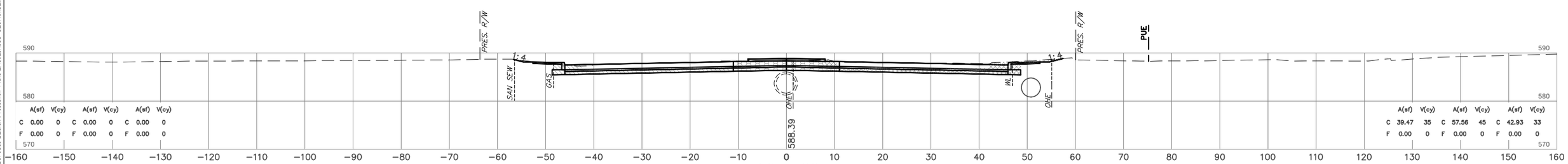
668+05



668+00



667+10



667+00

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE.
DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X047

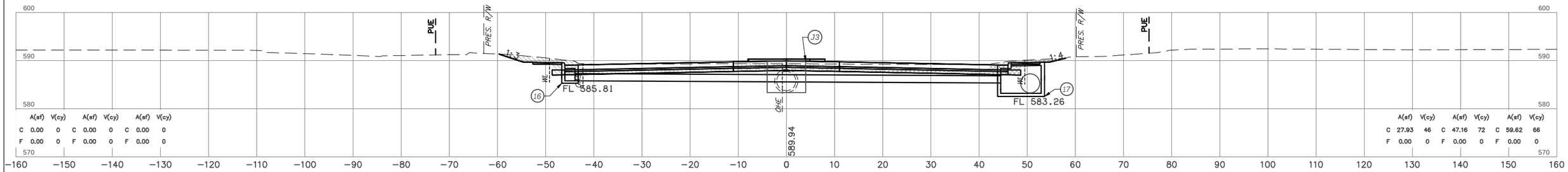
HDR Engineers
Date of Plot: 11/07/2023 2:47 AM Plot Style: HPRSCNCTB
DgnFile:N:\ODOT\USERS\DESIGN\Production Plans\27108_CROSS SECTIONS_Mainline_PLOT.dwg

PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

OCTOBER 2023



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F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	27.93	46	C	47.16	72	C	59.62	66
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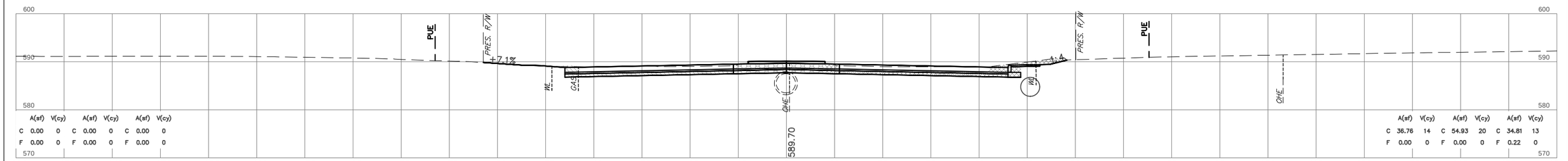
669+48



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F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	36.76	14	C	54.93	20	C	34.81	13
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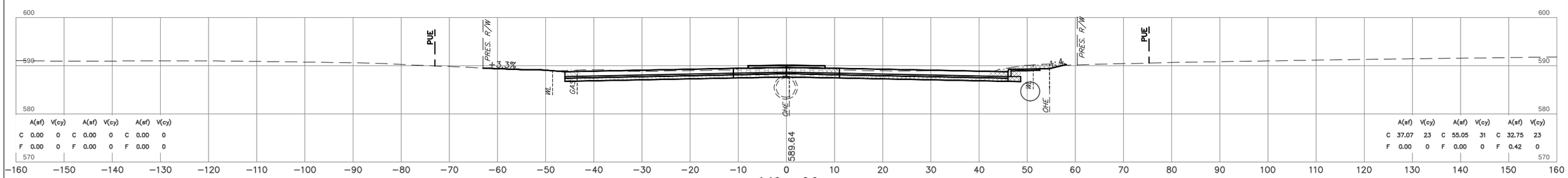
669+10



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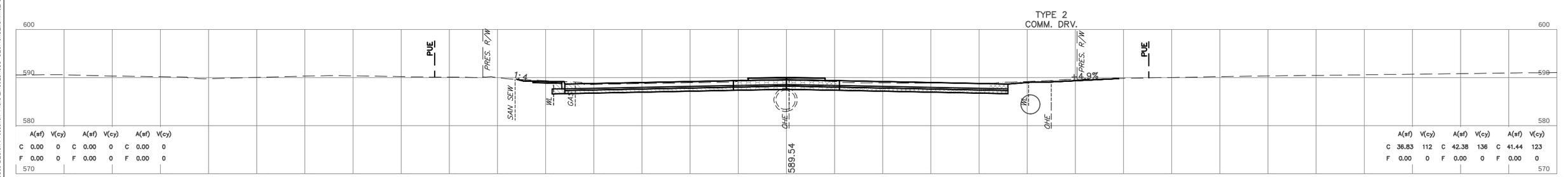
F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	37.07	23	C	55.05	31	C	32.75	23
F	0.00	0	F	0.00	0	F	0.42	0

669+00



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F	0.00	0	F	0.00	0	F	0.00	0

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C	36.83	112	C	42.38	136	C	41.44	123
F	0.00	0	F	0.00	0	F	0.00	0

668+83

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE. DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X048

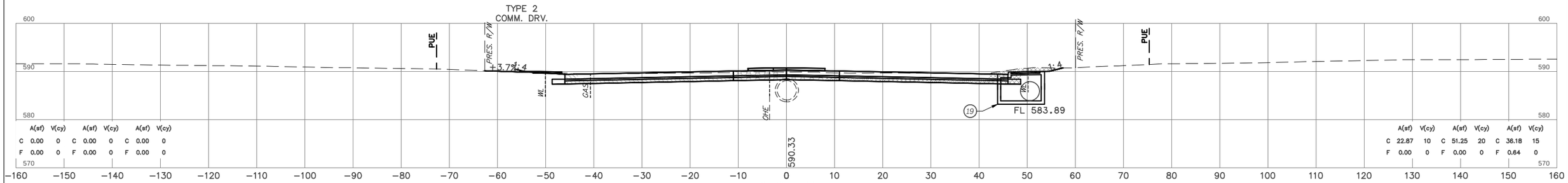
HNB Engineers
Tulsa, OK
10/10/2023 2:47 AM Phil Styles HPDESIGNCTB
G:\30NA-MOD011\SBG\DESIGN\Production Plans\27108_CROSS SECTIONS_MainLine_PLOT.dwg

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

OCTOBER 2023

PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7



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F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
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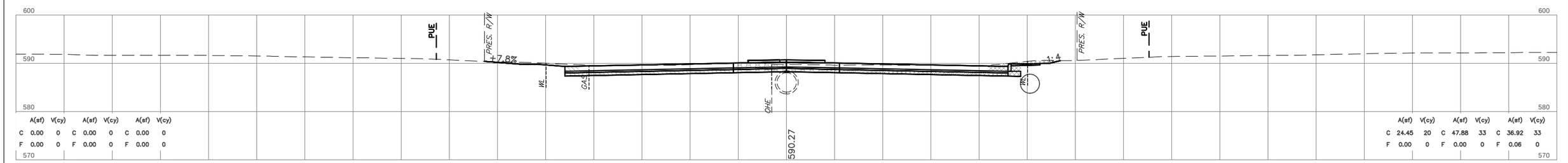
670+11



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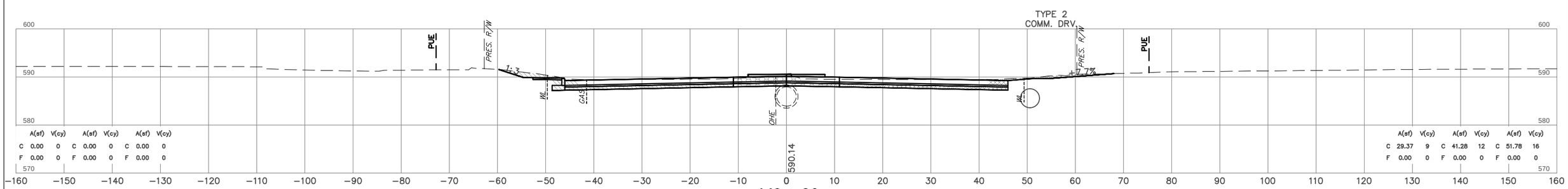
F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	24.45	20	C	47.88	33	C	36.92	33
F	0.00	0	F	0.00	0	F	0.06	0

670+00



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
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F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	29.37	9	C	41.28	12	C	51.78	16
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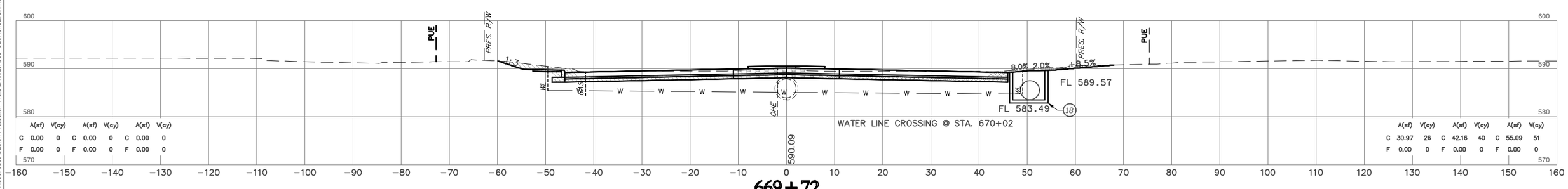
669+80



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F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	30.97	26	C	42.16	40	C	55.09	51
F	0.00	0	F	0.00	0	F	0.00	0

669+72

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE. DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X049

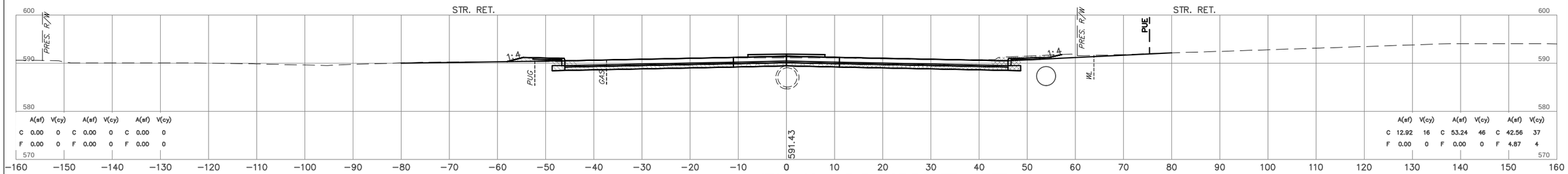
HNB Engineers
Tue, Jul 11, 2023 - 2:47 PM Phil Styles HPDESIGNCT3
G:\Work\40\0711\SBG\DESIGN\Production Plans\27108_CROSS SECTIONS_MainLine_PLOT.dwg

OKLAHOMA DEPARTMENT OF TRANSPORTATION

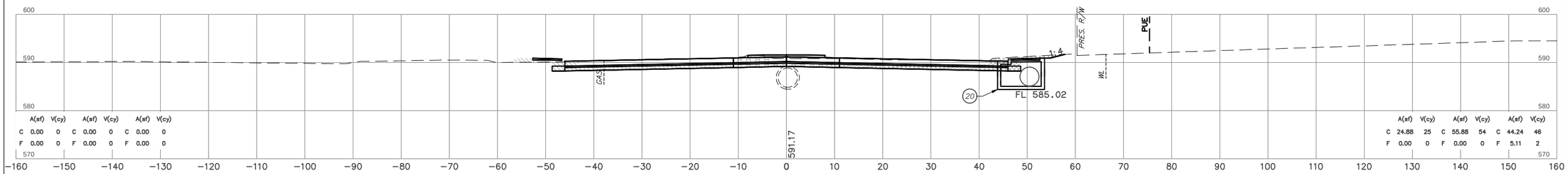
FINAL FIELD MEETING

OCTOBER 2023

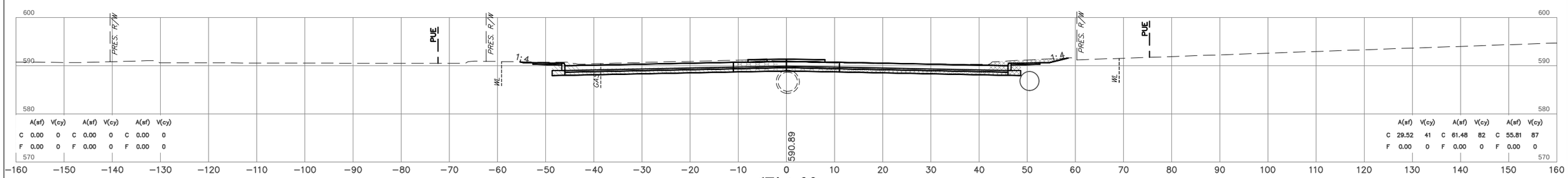
PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7



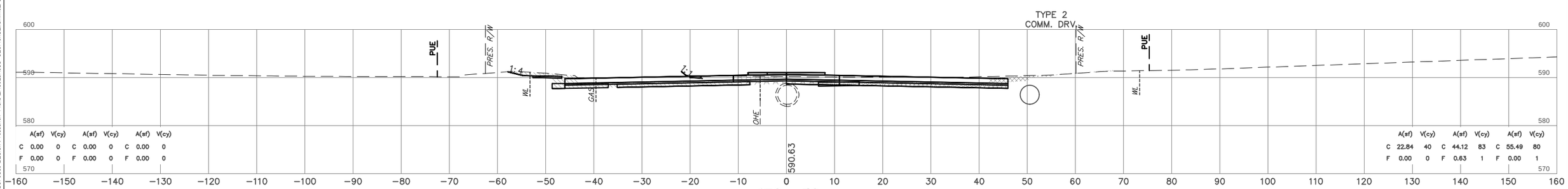
671+48 P.I. ARLINE AVE.



671+25



671+00



670+58

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE. DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY SHEET NO. X050

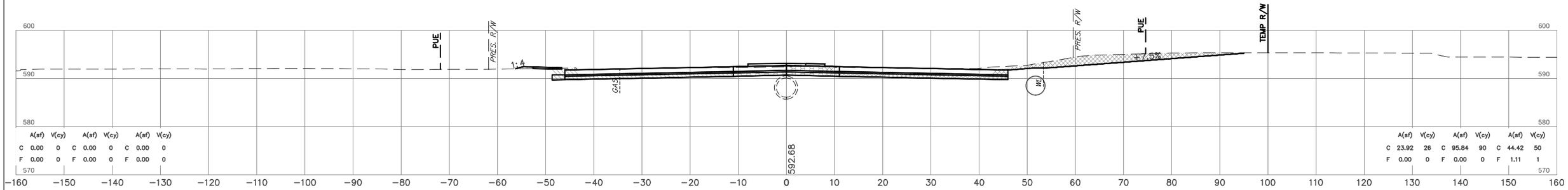
HNB Engineers
Tulsa, OK
G:\30nA-HOD011\SBG\DESIGN\Production Plans\27108_CROSS SECTIONS_MainLine_PLOT.dwg

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

OCTOBER 2023

PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7



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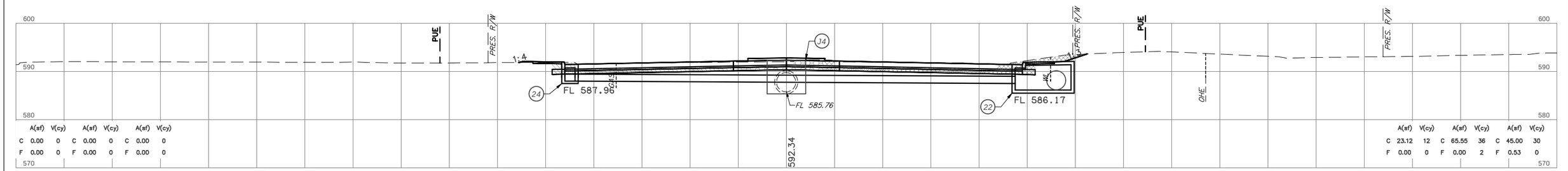
F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	23.92	26	C	95.84	90	C	44.42	50
F	0.00	0	F	0.00	0	F	1.11	1

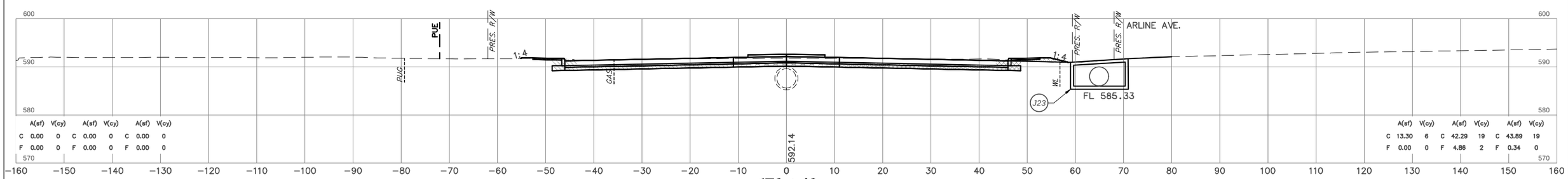
672+60



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	23.12	12	C	65.55	36	C	45.00	30
F	0.00	0	F	0.00	2	F	0.53	0

672+30



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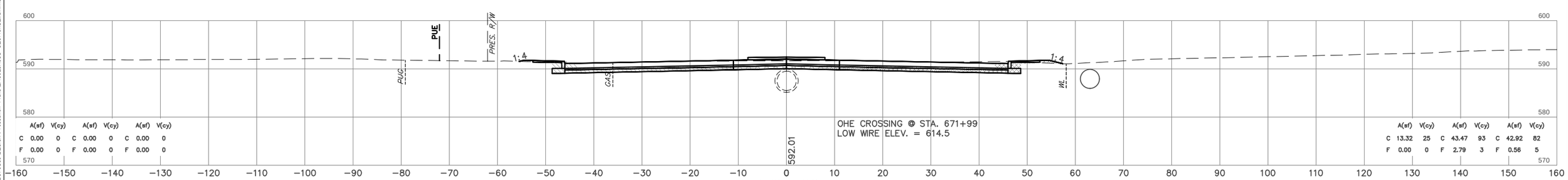
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	13.30	6	C	42.29	19	C	43.89	19
F	0.00	0	F	4.86	2	F	0.34	0

672+12



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
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F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	13.32	25	C	43.47	93	C	42.92	82
F	0.00	0	F	2.79	3	F	0.56	5

672+00

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE. DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X051

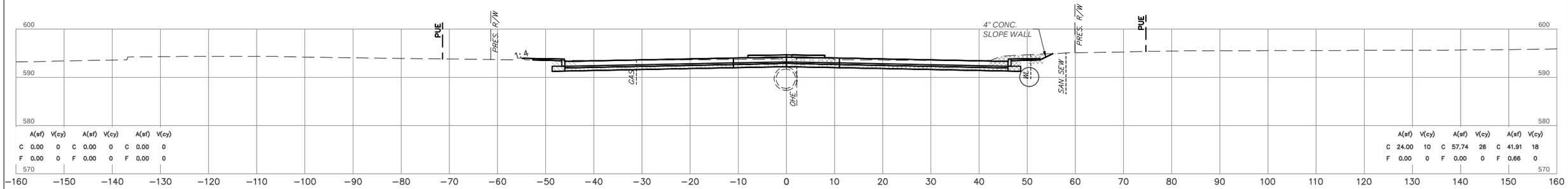
HNB Engineers
Time of Plot: 11/07/2023 2:48 AM Plot Style: HPGENCTB
G:\30NA-MOD01\USER\DESIGN\Production Plans\27108_CROSS SECTIONS_MainLine_PLOT.dwg

OKLAHOMA DEPARTMENT OF TRANSPORTATION

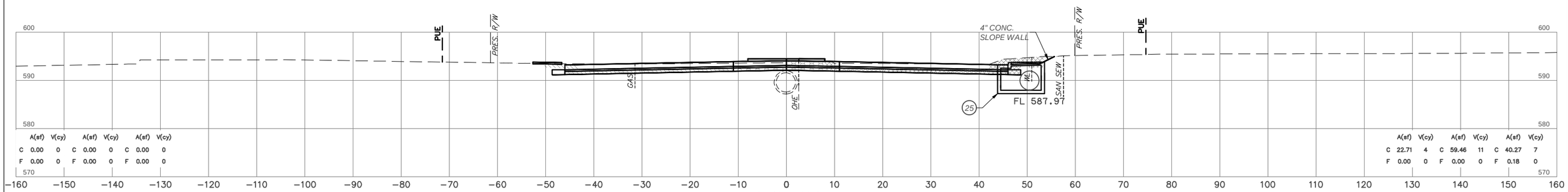
FINAL FIELD MEETING

OCTOBER 2023

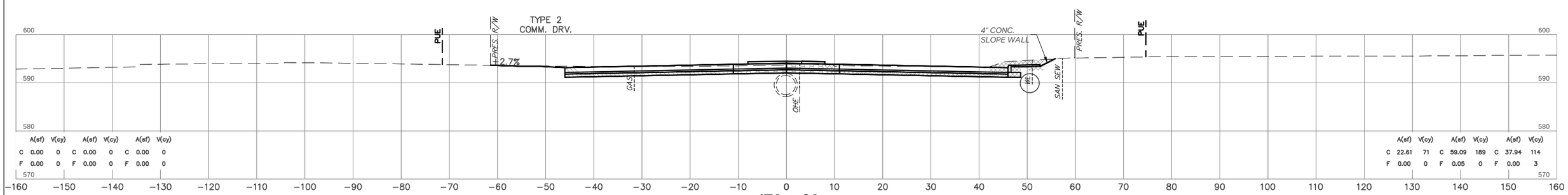
PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7



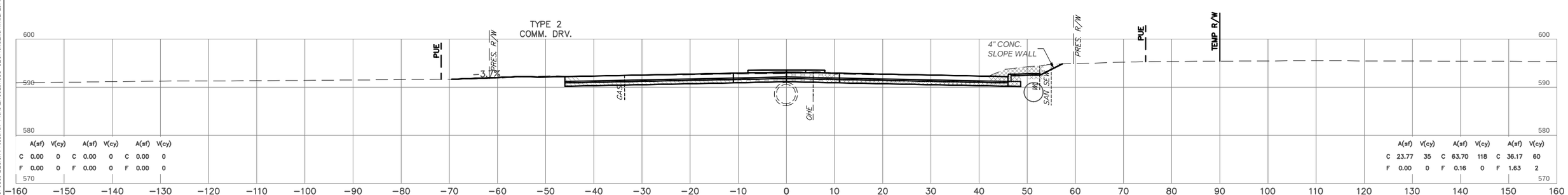
674+00



673+88



673+83



673+00

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE.
DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X052

HNB Engineers
Time of Plot: 11:07am
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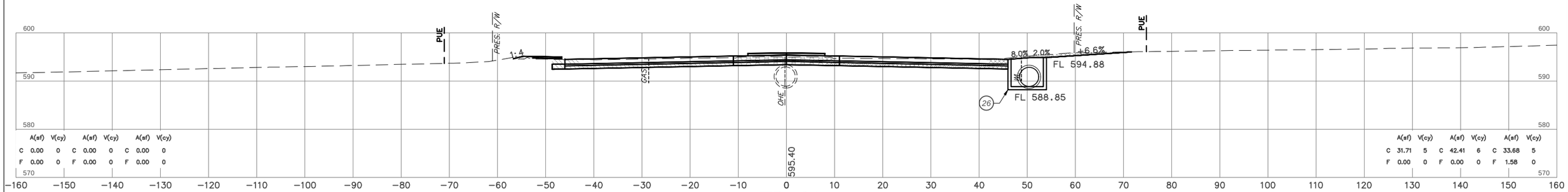
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

OCTOBER 2023

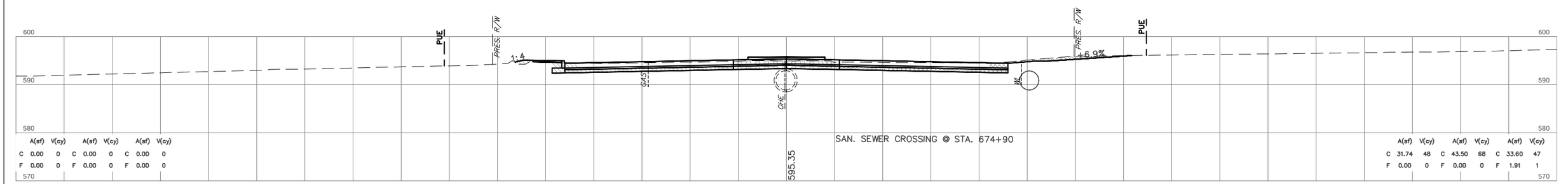
PH. 1 | PH. 2 | PH. 3 | PH. 5 | PH. 6 | PH. 7



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	31.71	5	C	42.41	6	C	33.68	5
F	0.00	0	F	0.00	0	F	1.58	0

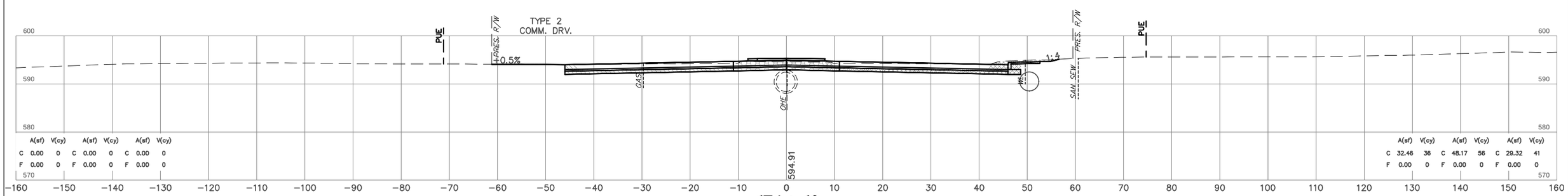
675+04



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	31.74	48	C	43.50	68	C	33.60	47
F	0.00	0	F	0.00	0	F	1.91	1

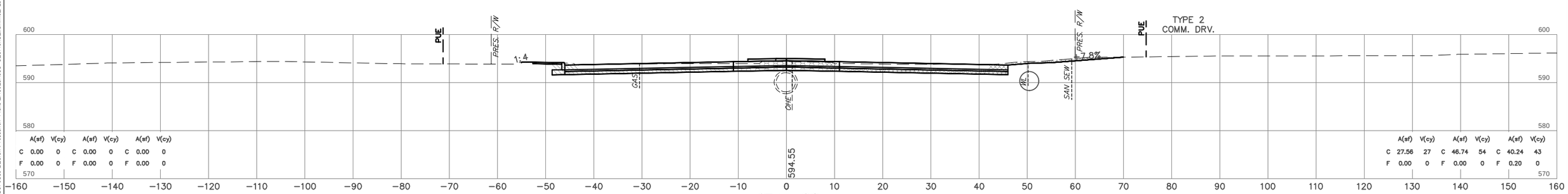
675+00



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	32.46	36	C	48.17	56	C	29.32	41
F	0.00	0	F	0.00	0	F	0.00	0

674+60



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	27.56	27	C	46.74	54	C	40.24	43
F	0.00	0	F	0.00	0	F	0.20	0

674+28

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE.
DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X053

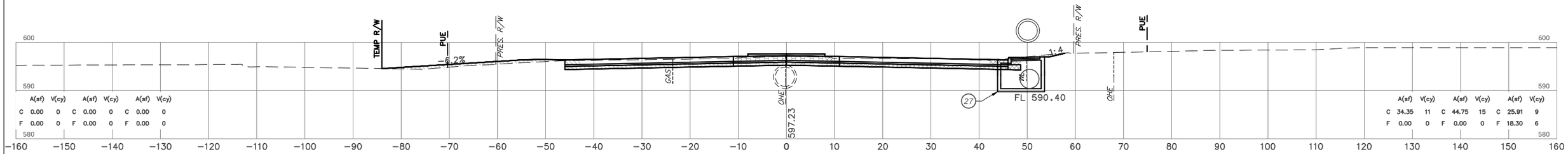
HNB Engineers
Time of Plot: 11/07/2023 9:48 AM Plot Style: HPGRSCNCTB
G:\Sign\4-MODITI\USER\DESIGN\Production Plans\27108_CROSS SECTIONS_MeNiNe_PLOT.dwg

OKLAHOMA DEPARTMENT OF TRANSPORTATION

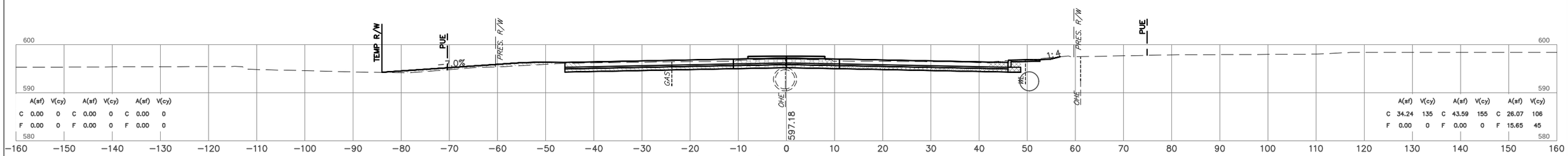
FINAL FIELD MEETING

OCTOBER 2023

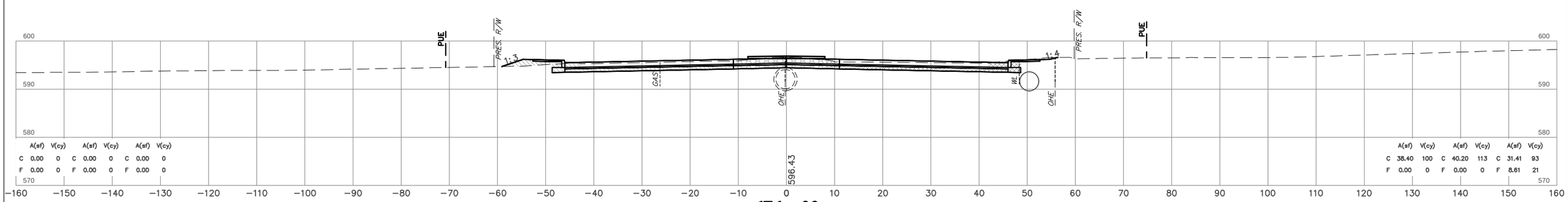
PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7



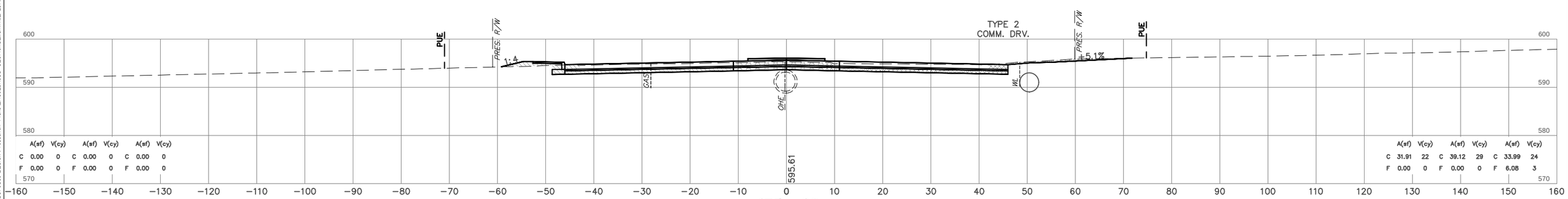
677+09



677+00



676+00



675+23

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE. DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X054

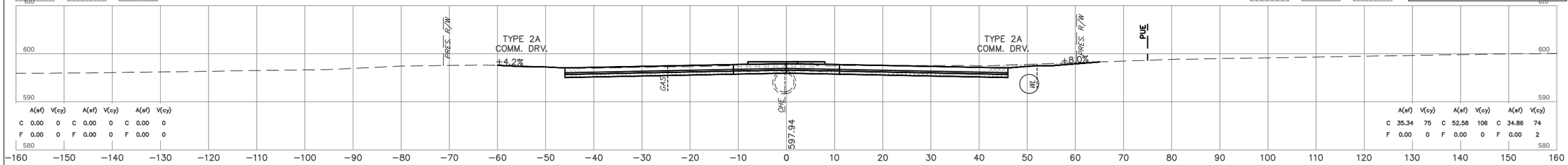
HNB Engineers
Time of Plot: 11:02:24 Date: 10/10/2023 AM Plot Style: HPDESIGNCTB
G:\30\A-40\0011\DESIGN\Production Plans\27108_CROSS SECTIONS_MainLine_PLOT.dwg

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

OCTOBER 2023

PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7



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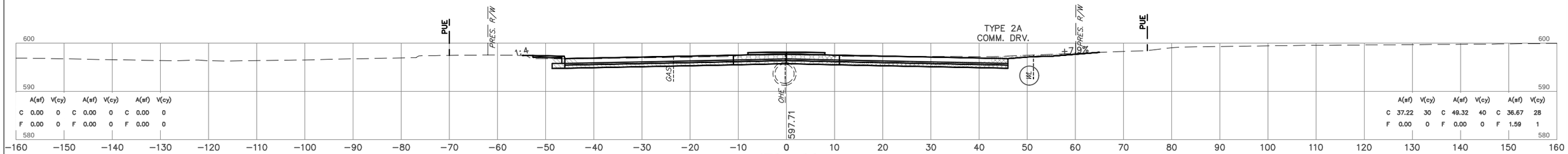
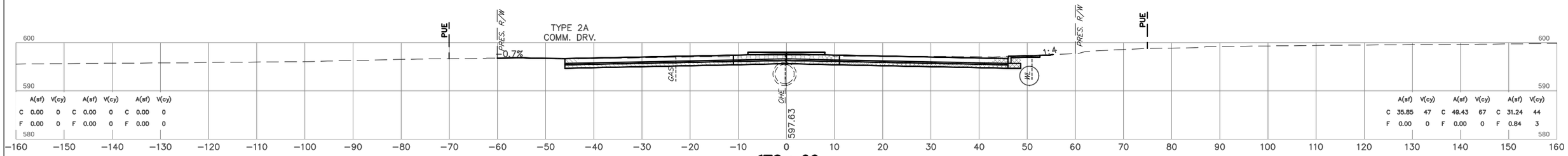
C	0.00	0	C	0.00	0	C	0.00	0	C	35.34	75	C	52.58	106	C	34.86	74
F	0.00	0	F	0.00	0	F	0.00	0	F	0.00	0	F	0.00	0	F	0.00	2

678+78



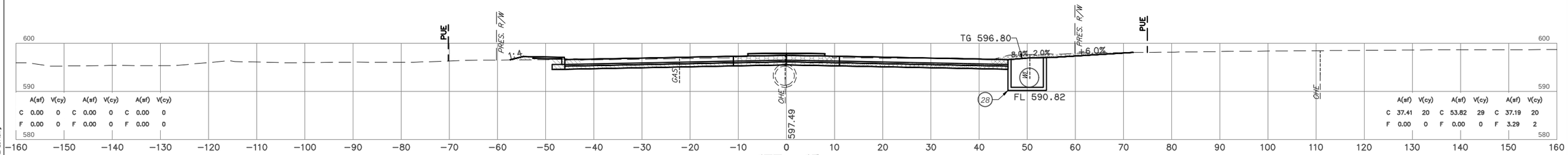
	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0	C	37.22	30	C	49.32	40	C	36.67	28
F	0.00	0	F	0.00	0	F	0.00	0	F	0.00	0	F	0.00	0	F	1.59	1

678+22



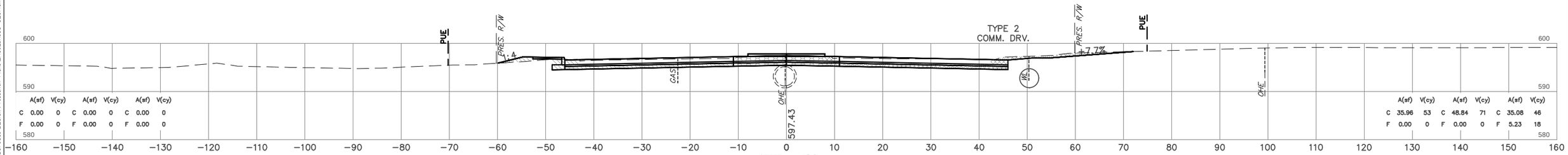
	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0	C	35.85	47	C	49.43	67	C	31.24	44
F	0.00	0	F	0.00	0	F	0.00	0	F	0.00	0	F	0.00	0	F	0.84	3

678+00



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0	C	37.41	20	C	53.82	29	C	37.19	20
F	0.00	0	F	0.00	0	F	0.00	0	F	0.00	0	F	0.00	0	F	3.29	2

677+65



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0	C	35.96	53	C	48.84	71	C	35.08	46
F	0.00	0	F	0.00	0	F	0.00	0	F	0.00	0	F	0.00	0	F	5.23	18

677+50

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE. DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X055

HUB Engineers
Date: 10/10/23 9:49 AM Plot Style: HPGRGNUCTB
G:\ODOT\USER\DESIGN\Production Plans\27108_CROSS SECTIONS_MainLine_PLOT.dwg

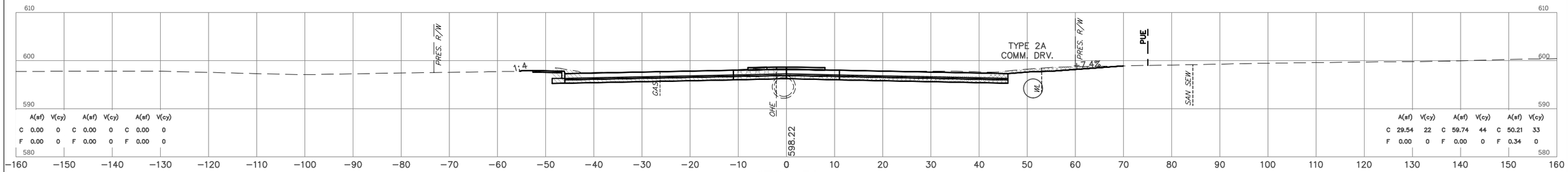
PH. 1 PH. 2 PH. 3

PH. 5 PH. 6 PH. 7

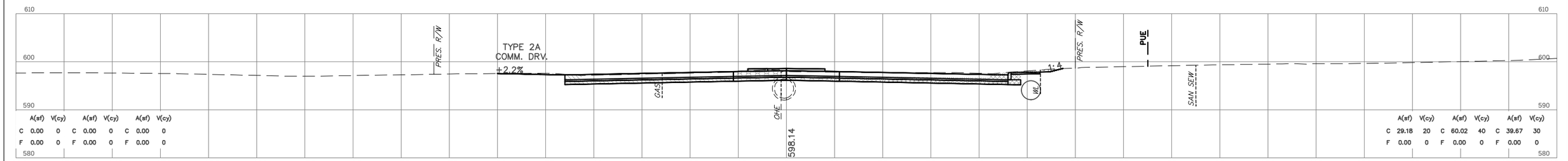
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

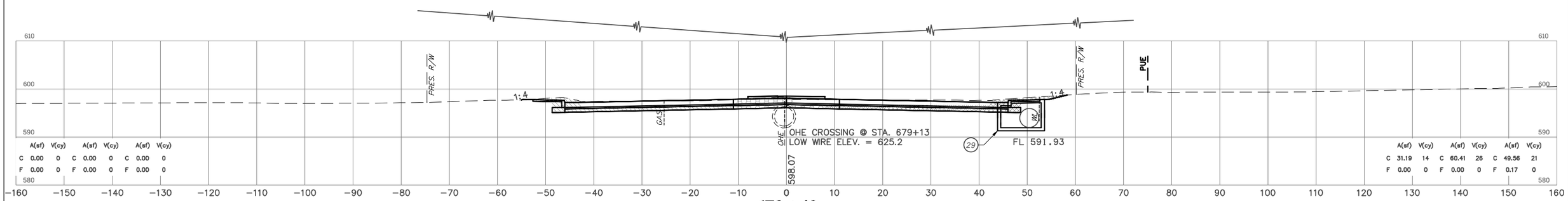
OCTOBER 2023



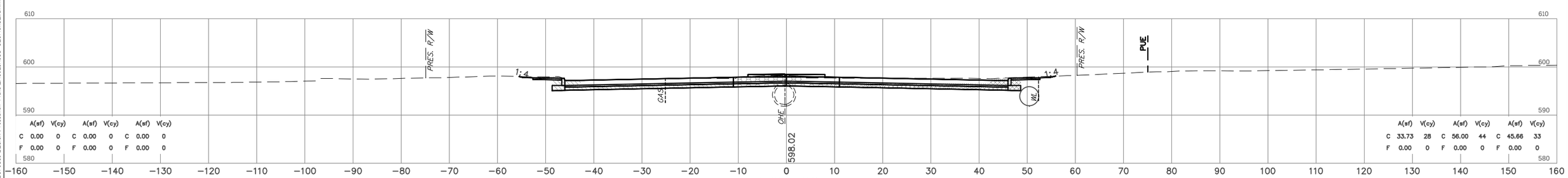
679+50



679+30



679+12



679+00

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE. DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X056

HNB Engineers
Time of Plot: 11/07/2023 9:49 AM Plot Style: HPGIGNCTB
G:\Sign\4-40\27108\DESIGN\Production Plans\27108_CROSS SECTIONS_MainLine_PLOT.dwg

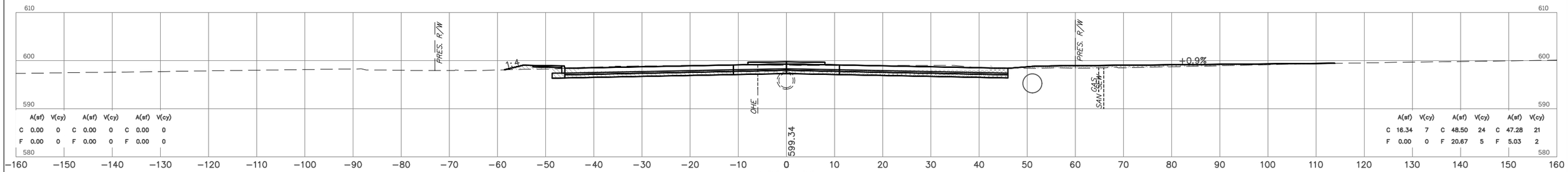
PH. 1 PH. 2 PH. 3

PH. 5 PH. 6 PH. 7

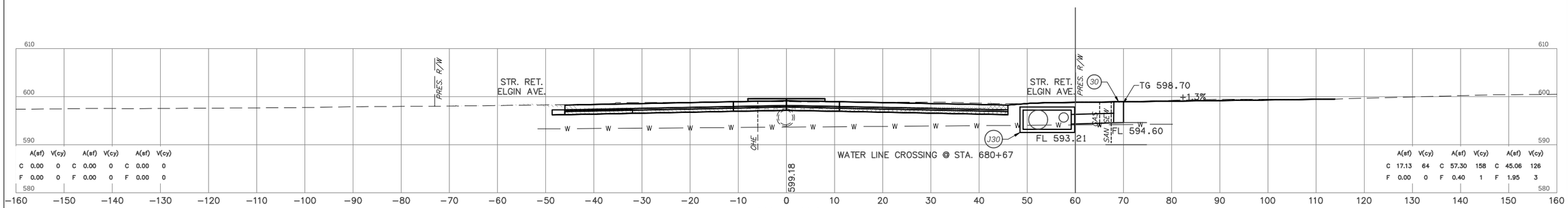
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

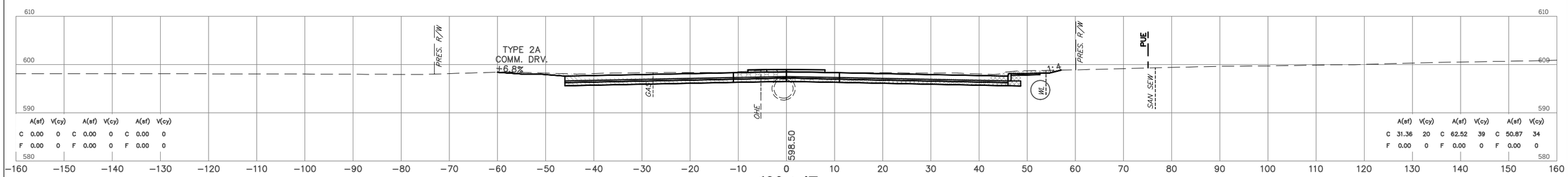
OCTOBER 2023



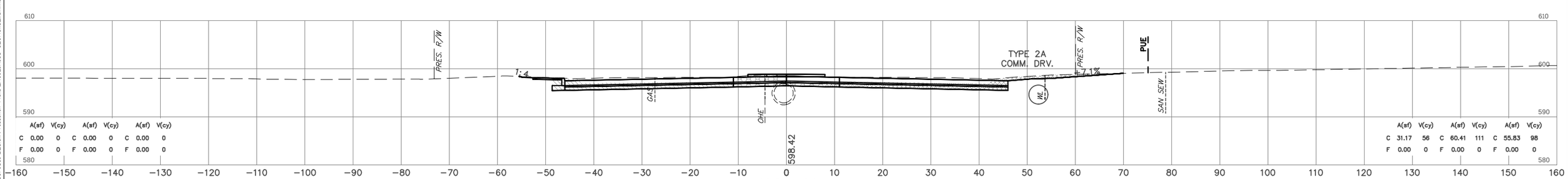
681+00



680+88



680+17



680+00

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE.
DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X057

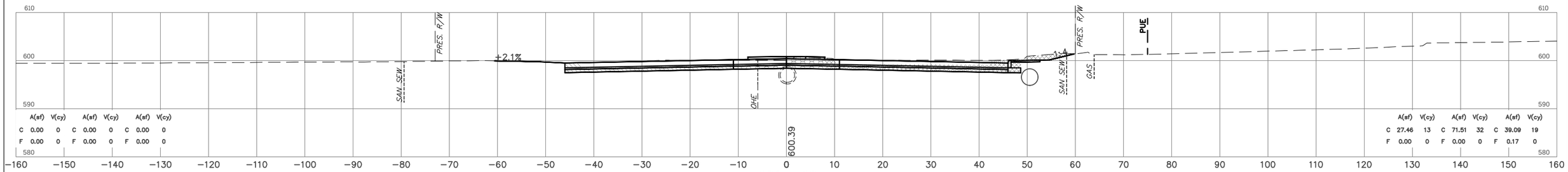
HNB Engineers
Time of Plot: 11/10/2023 9:49 AM Plot Style: HPDESIGNCTB
G:\Work\40\0711\SBD\DESIGN\Production Plans\27108_CROSS SECTIONS_MainLine_PLOT.dwg

PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

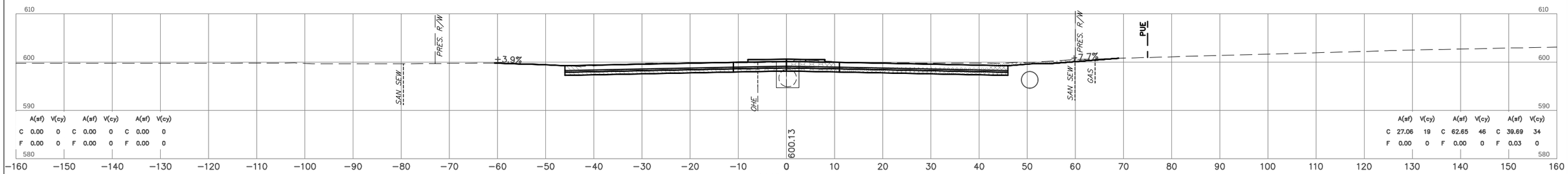
OCTOBER 2023



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	27.46	13	C	71.51	32	C	39.09	19
F	0.00	0	F	0.00	0	F	0.17	0

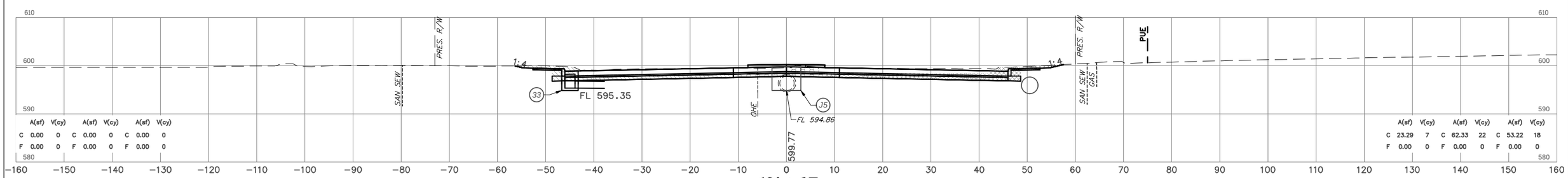
681+60



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	27.06	19	C	62.65	46	C	39.69	34
F	0.00	0	F	0.00	0	F	0.03	0

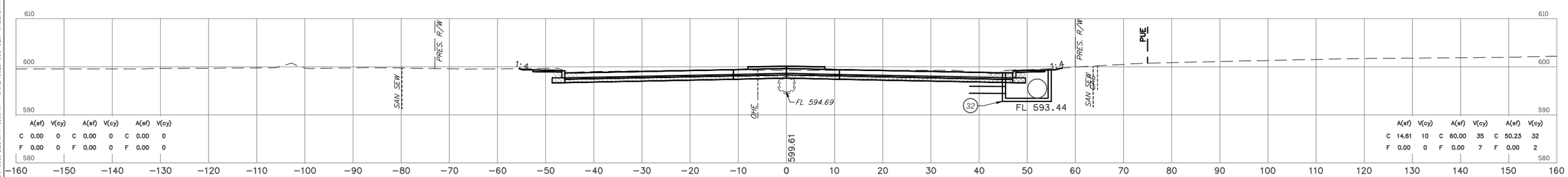
681+47



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	23.29	7	C	62.33	22	C	53.22	18
F	0.00	0	F	0.00	0	F	0.00	0

681+27



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	14.61	10	C	60.00	35	C	50.23	32
F	0.00	0	F	0.00	7	F	0.00	2

681+17.50

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE. DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X058

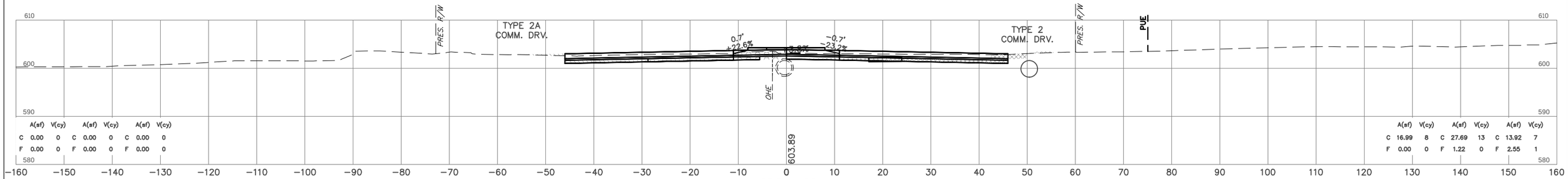
HNB Engineers
Time of Plot: 10:02:24 AM Plot Style: HPGNCNTR
G:\20\A-40\20711\SESIGN\Production Plans\27108_CROSS SECTIONS_MainLine_PLOT.dwg

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

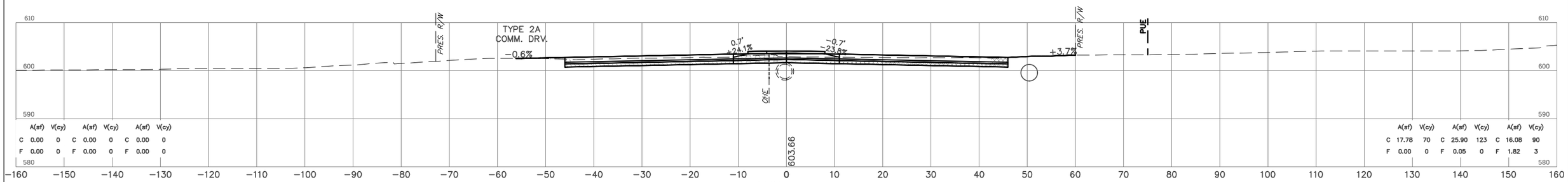
OCTOBER 2023

PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7



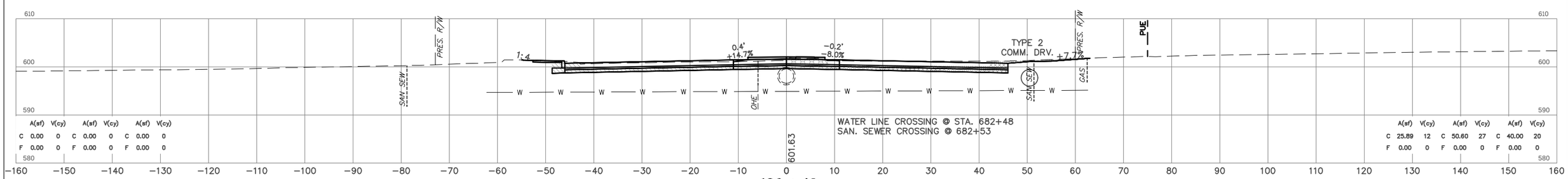
	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0	C	16.99	8	C	27.69	13	C	13.92	7
F	0.00	0	F	0.00	0	F	0.00	0	F	0.00	0	F	1.22	0	F	2.55	1

683+13



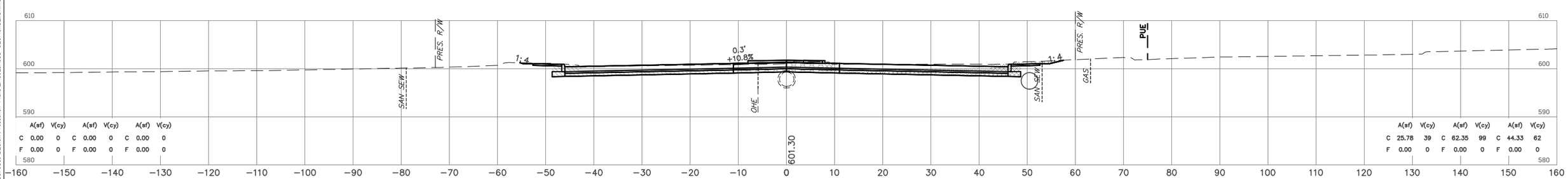
	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0	C	17.78	70	C	25.90	123	C	16.08	90
F	0.00	0	F	0.00	0	F	0.00	0	F	0.00	0	F	0.05	0	F	1.82	3

683+00



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0	C	25.89	12	C	50.60	27	C	40.00	20
F	0.00	0	F	0.00	0	F	0.00	0	F	0.00	0	F	0.00	0	F	0.00	0

682+13



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0	C	25.78	39	C	62.35	99	C	44.33	62
F	0.00	0	F	0.00	0	F	0.00	0	F	0.00	0	F	0.00	0	F	0.00	0

682+00

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE.
DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X059

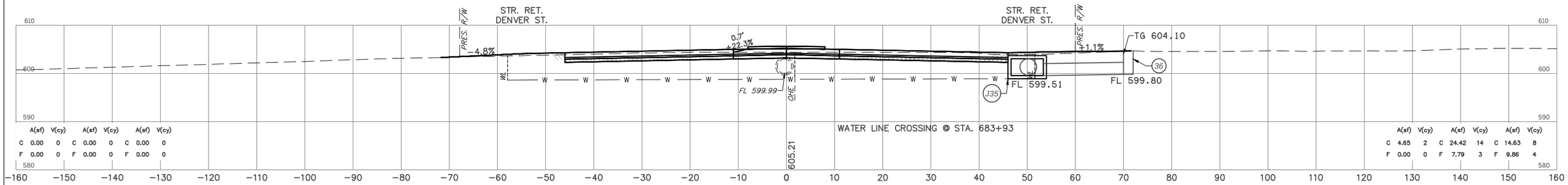
HNB Engineers
Tuesday, October 10, 2023 9:50 AM Plot Style: HPGRAYCTB
G:\Shared\40201\USER\DESIGN\Production Plans\27108_CROSS SECTIONS_MainLine_PLOT.dwg

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

OCTOBER 2023

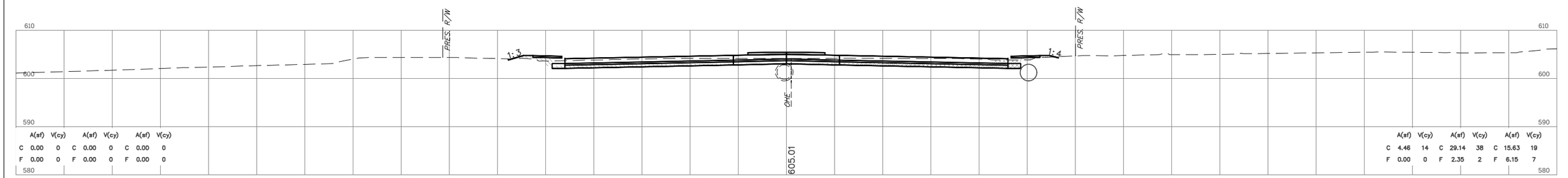
PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	4.65	2	C	24.42	14	C	14.63	8
F	0.00	0	F	7.79	3	F	9.86	4

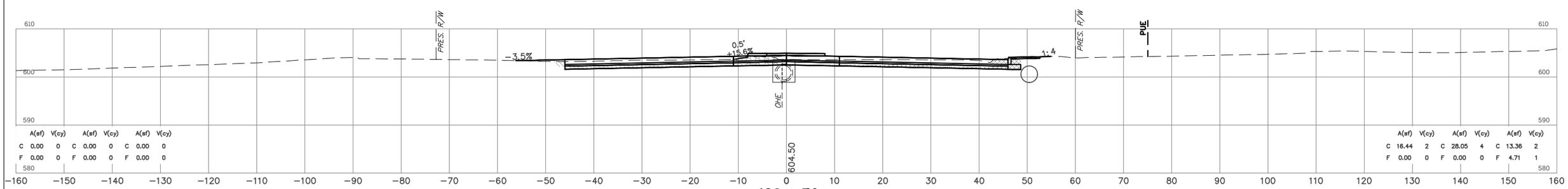
684+00



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	4.46	14	C	29.14	38	C	15.63	19
F	0.00	0	F	2.35	2	F	6.15	7

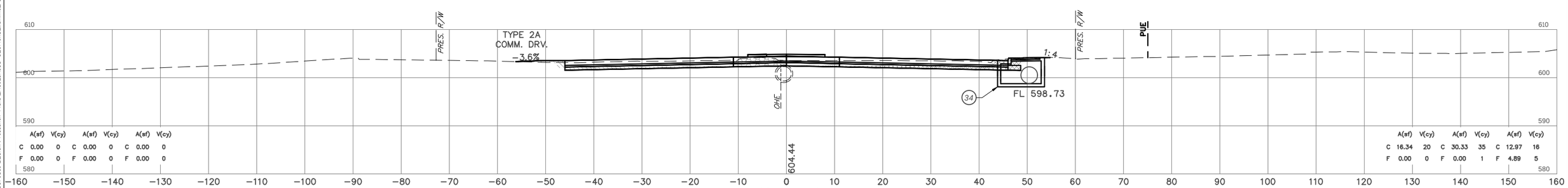
683+86



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	16.44	2	C	28.05	4	C	13.36	2
F	0.00	0	F	0.00	0	F	4.71	1

683+50



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
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F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	16.34	20	C	30.33	35	C	12.97	16
F	0.00	0	F	0.00	1	F	4.89	5

683+46

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE. DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X060

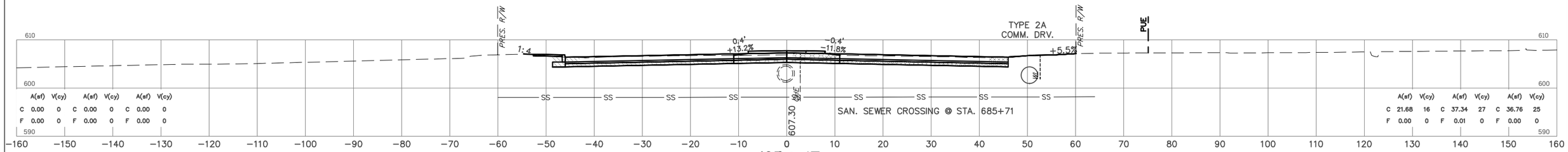
HNB Engineers
Tuesday, October 10, 2023 9:50 AM PW Style: HORIZONLTR
G:\Shared\40201\USER\DESIGN\Production Plans\27108_CROSS SECTIONS_MainLine_PLOT.dwg

OKLAHOMA DEPARTMENT OF TRANSPORTATION

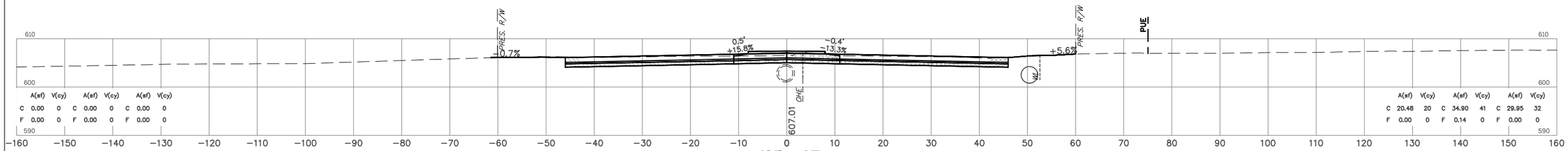
FINAL FIELD MEETING

OCTOBER 2023

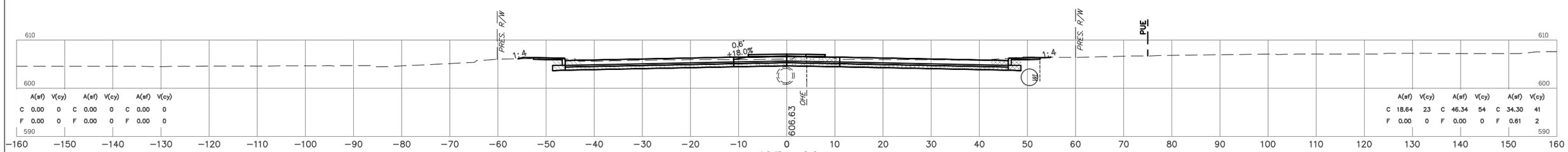
PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7



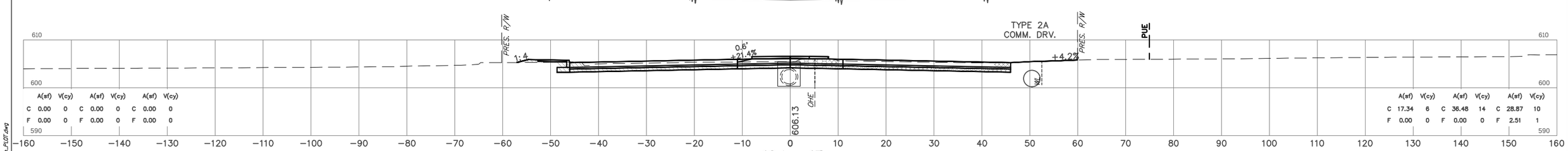
685+47



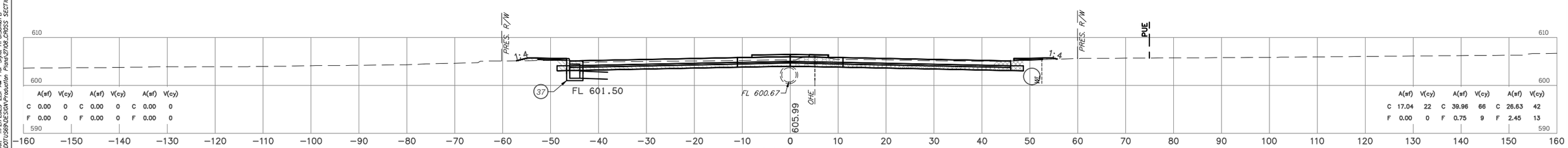
685+27



685+00



684+65



684+55

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE. DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY SHEET NO. X061

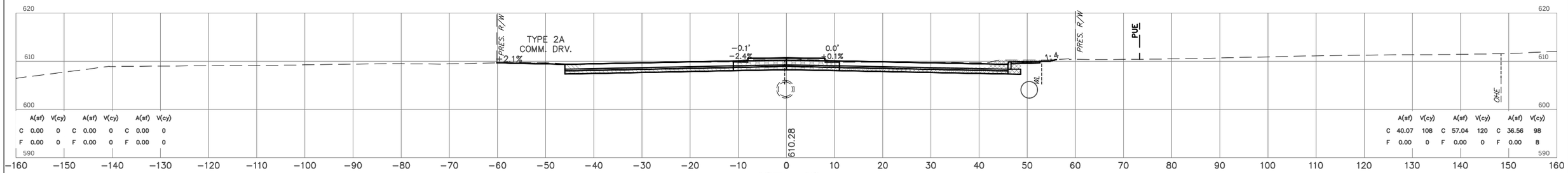
HDR Engineers
Time of Plot: 10:09:22 AM Plot Style: HPRSONLTR
G:\SDK\HDOT\USER\DESIGN\Production Plans\27108_CROSS SECTIONS_Mainline_PLOT.dwg

PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7

OKLAHOMA DEPARTMENT OF TRANSPORTATION

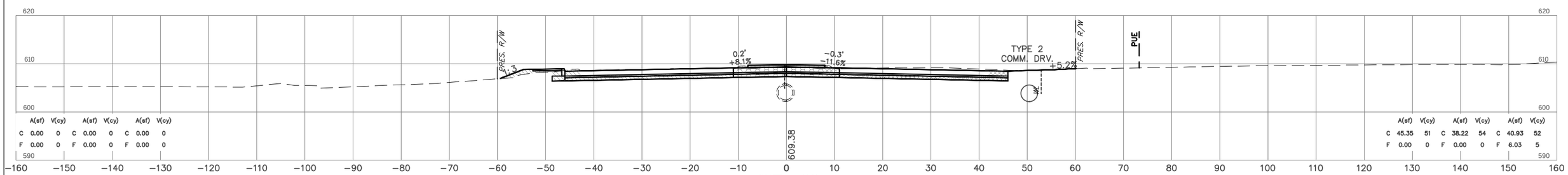
FINAL FIELD MEETING

OCTOBER 2023



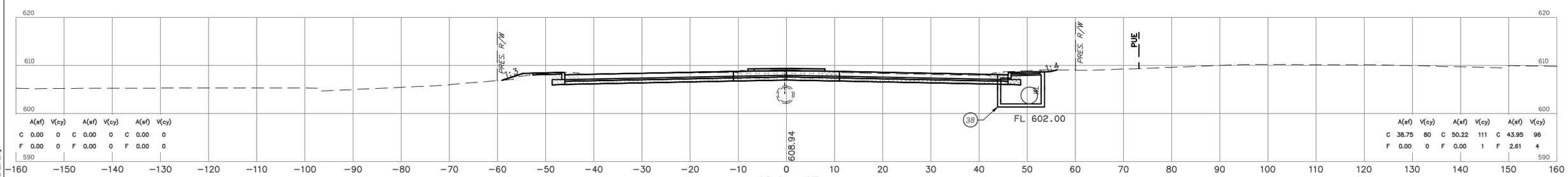
	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0	C	40.07	108	C	57.04	120	C	36.56	98
F	0.00	0	F	0.00	0	F	0.00	0	F	0.00	0	F	0.00	0	F	0.00	8

687+68



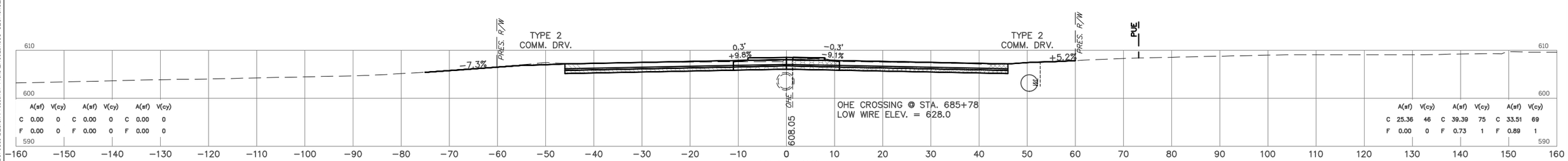
	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0	C	45.35	51	C	38.22	54	C	40.93	52
F	0.00	0	F	0.00	0	F	0.00	0	F	0.00	0	F	0.00	0	F	6.03	5

687+00



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0	C	38.75	80	C	50.22	111	C	43.95	96
F	0.00	0	F	0.00	0	F	0.00	0	F	0.00	0	F	0.00	1	F	2.61	4

686+67



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C	0.00	0	C	0.00	0	C	0.00	0	C	25.36	46	C	39.39	75	C	33.51	69
F	0.00	0	F	0.00	0	F	0.00	0	F	0.00	0	F	0.73	1	F	0.89	1

686+00

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE.
DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X062

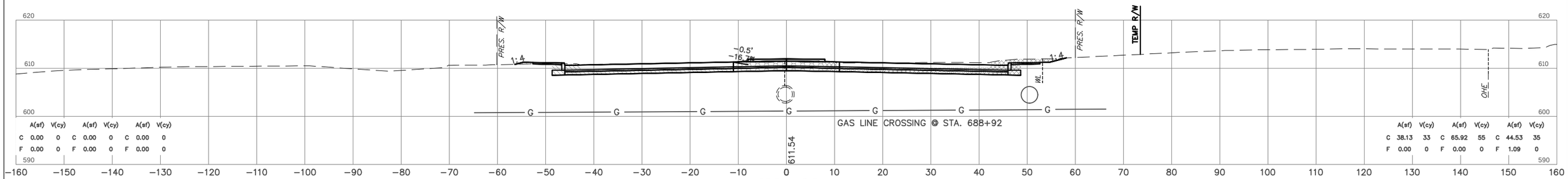
HDR Engineers
Plot Date: 10/10/2023 2:51 AM Plot Style: HDRSENUCTB
DgnSpace:HNDOT USERDESIGN\Production Prod\27108_CROSS SECTIONS_Mainline_PLOT.dwg

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

OCTOBER 2023

PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7



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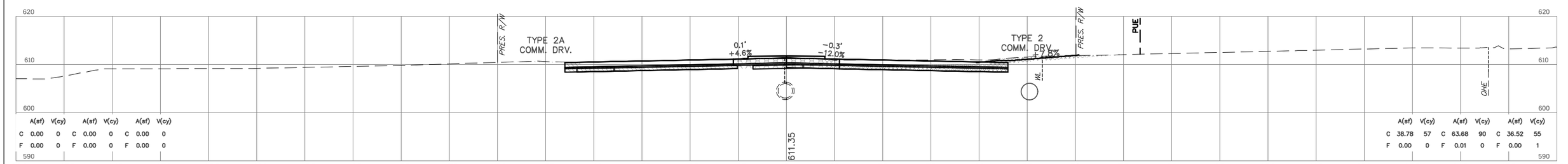
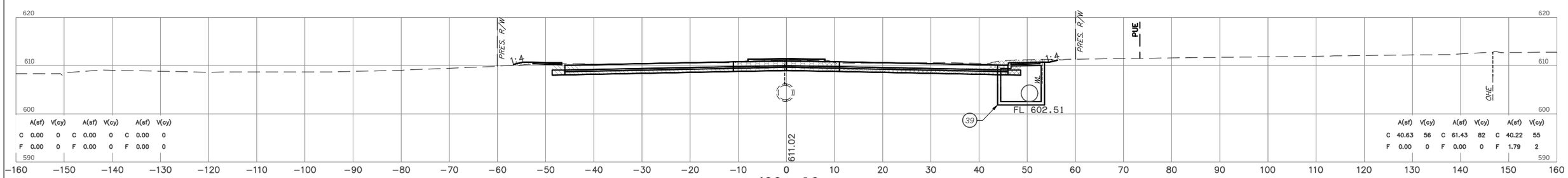
C	0.00	0	C	0.00	0	C	0.00	0	C	38.13	33	C	65.92	55	C	44.53	35
F	0.00	0	F	0.00	0	F	0.00	0	F	0.00	0	F	0.00	0	F	1.09	0

689+00



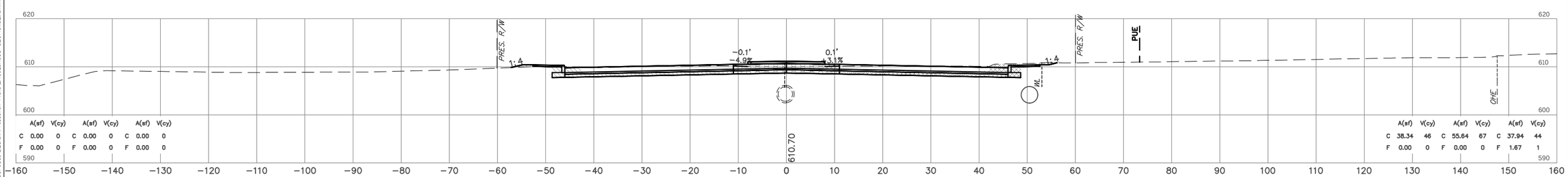
	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0	C	38.78	57	C	63.68	90	C	36.52	55
F	0.00	0	F	0.00	0	F	0.00	0	F	0.00	0	F	0.01	0	F	0.00	1

688+77



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0	C	40.63	56	C	61.43	82	C	40.22	55
F	0.00	0	F	0.00	0	F	0.00	0	F	0.00	0	F	0.00	0	F	1.79	2

688+38



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0	C	38.34	46	C	55.64	67	C	37.94	44
F	0.00	0	F	0.00	0	F	0.00	0	F	0.00	0	F	0.00	0	F	1.67	1

688+00

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE. DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X063

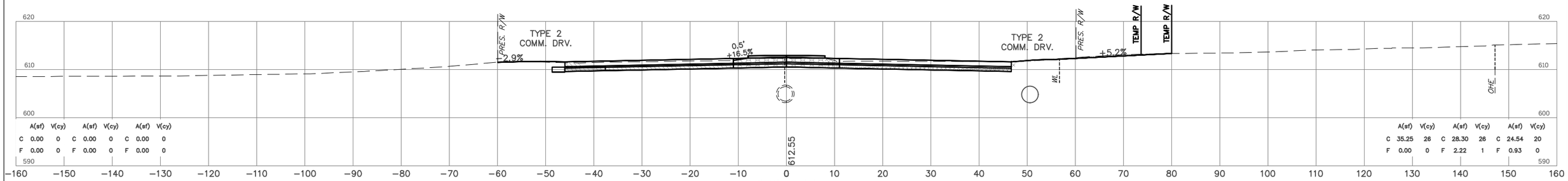
HNB Engineers
Time of Plot: 11:07am
G:\Sign\4402011\SIGN\DESIGN\Production Plans\27108_CROSS SECTIONS_MainLine_PLOT.dwg

OKLAHOMA DEPARTMENT OF TRANSPORTATION

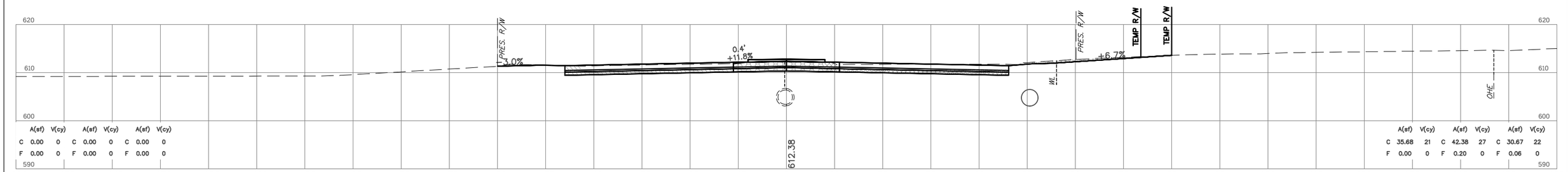
FINAL FIELD MEETING

OCTOBER 2023

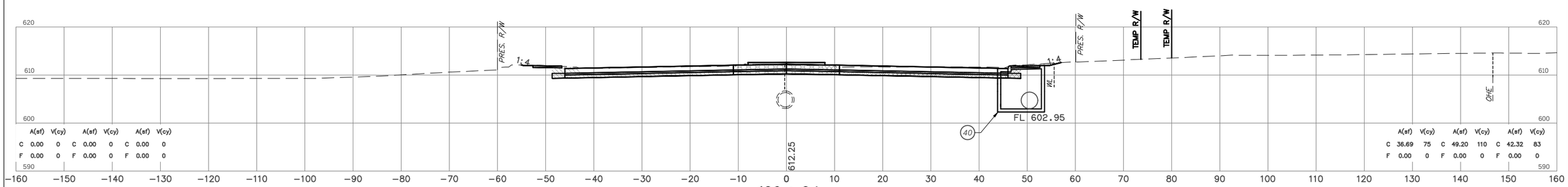
PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7



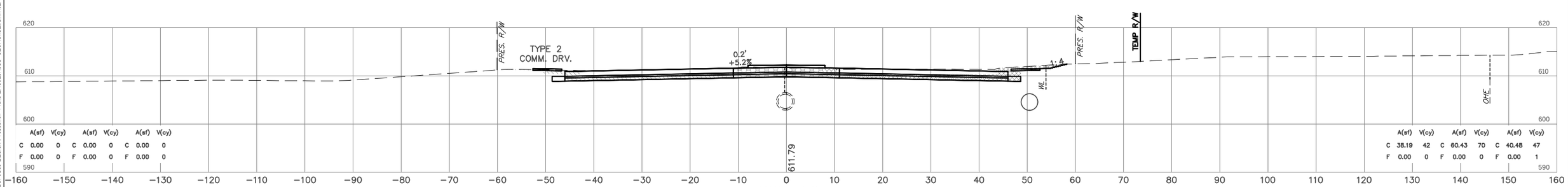
690+20



690+00



689+84



689+30

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE. DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY SHEET NO. X064

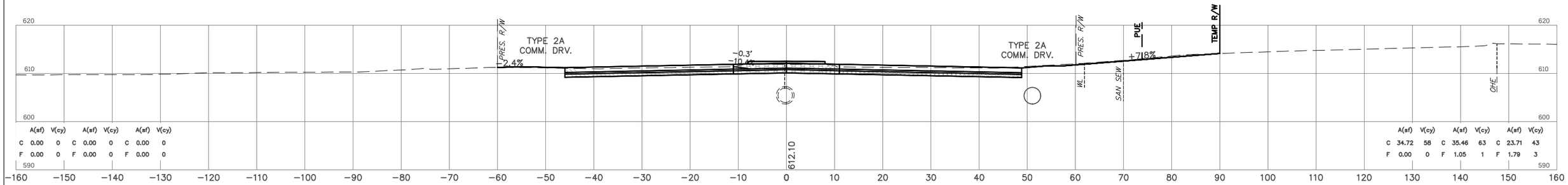
HNB Engineers
Time of Plot: 11/07/2023 9:51 AM Plot Style: HORIZONTAL
G:\Shared\40207\USER\DESIGN Production Plans\27108_CROSS SECTIONS_MainLine_PLOT.dwg

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

OCTOBER 2023

PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7



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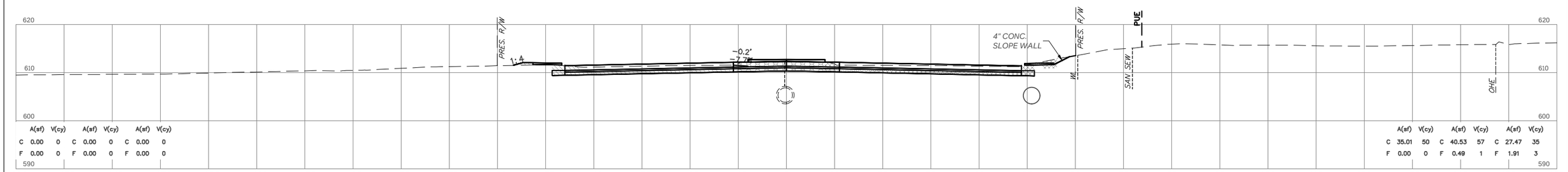
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	34.72	58	C	35.46	63	C	23.71	43
F	0.00	0	F	1.05	1	F	1.79	3

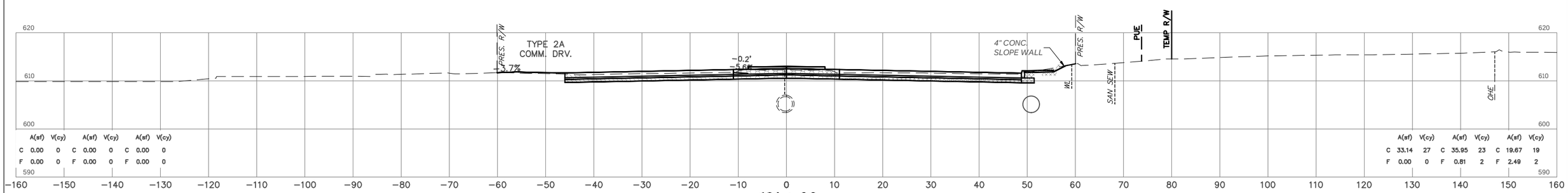
691+85



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	35.01	50	C	40.53	57	C	27.47	35
F	0.00	0	F	0.49	1	F	1.91	3

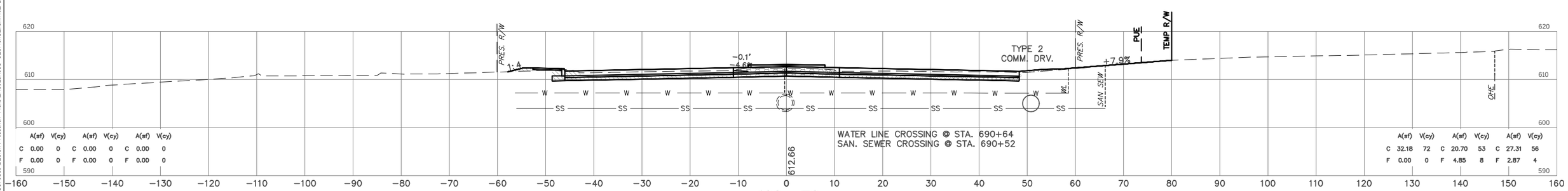
691+40



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	33.14	27	C	35.95	23	C	19.67	19
F	0.00	0	F	0.81	2	F	2.49	2

691+00



WATER LINE CROSSING @ STA. 690+64
SAN. SEWER CROSSING @ STA. 690+52

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	32.18	72	C	20.70	53	C	27.31	56
F	0.00	0	F	4.85	8	F	2.87	4

690+78

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE.
DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X065

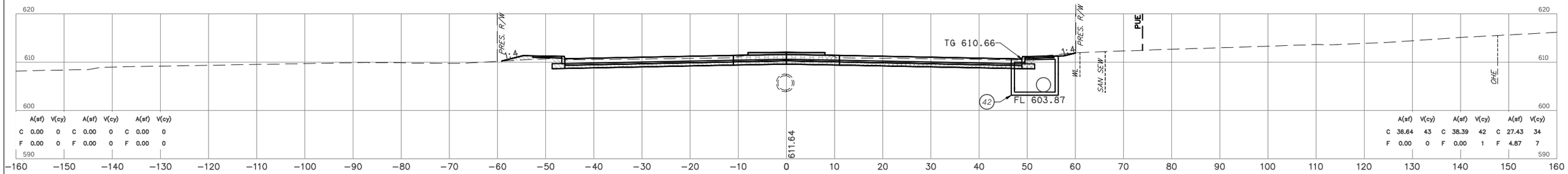
HNB Engineers
Time of Plot: 11/07/2023 9:52 AM Plot Style: HDR6INCTB
G:\30NA-MOD\11\SEG\DESIGN\Production Plans\27108_CROSS SECTIONS_MainLine_PLOT.dwg

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

OCTOBER 2023

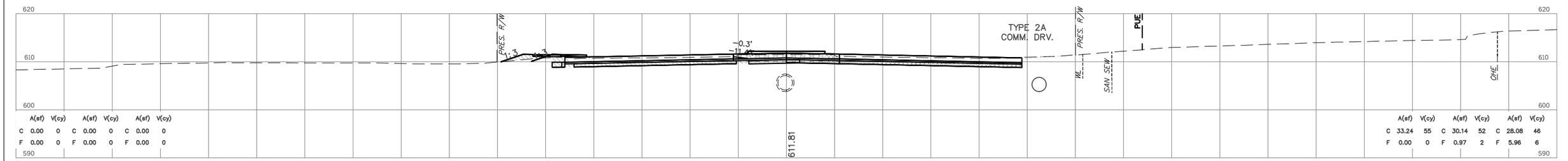
PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	36.64	43	C	38.39	42	C	27.43	34
F	0.00	0	F	0.00	1	F	4.87	7

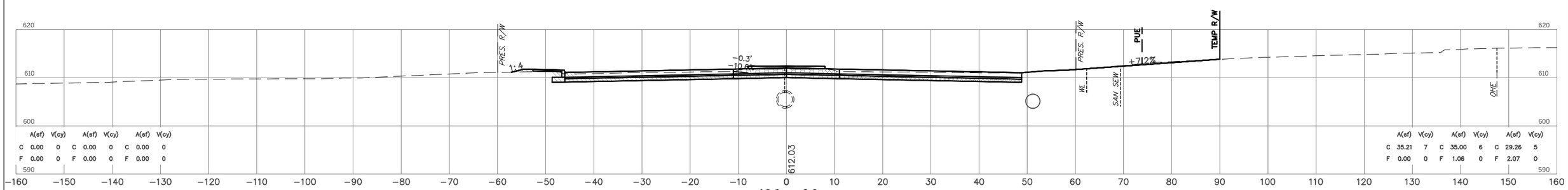
692+76



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	33.24	55	C	30.14	52	C	28.08	46
F	0.00	0	F	0.97	2	F	5.96	6

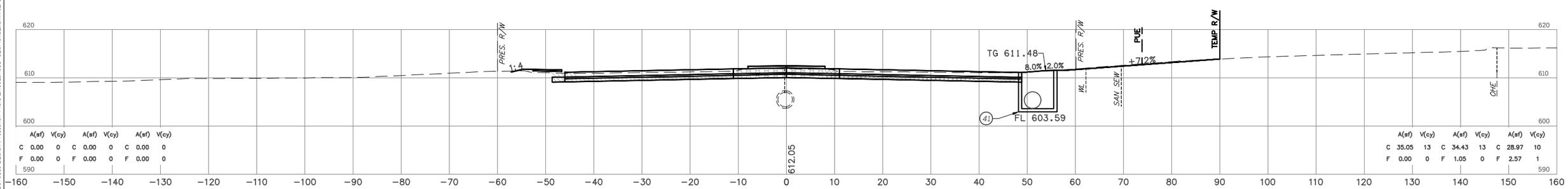
692+43



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	35.21	7	C	35.00	6	C	29.26	5
F	0.00	0	F	1.06	0	F	2.07	0

692+00



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	35.05	13	C	34.43	13	C	28.97	10
F	0.00	0	F	1.05	0	F	2.57	1

691+95

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE. DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X066

HNB Engineers
Time of Plot: 10/26/2023 9:52 AM Plot Style: HDRDESIGNCTB
G:\Shared\40207\USER\DESIGN\Production Plans\27108_CROSS SECTIONS_MainLine_PLOT.dwg

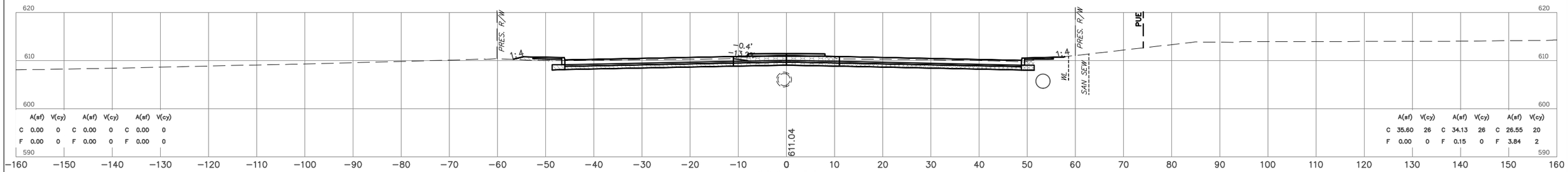
PH. 1 PH. 2 PH. 3

PH. 5 PH. 6 PH. 7

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

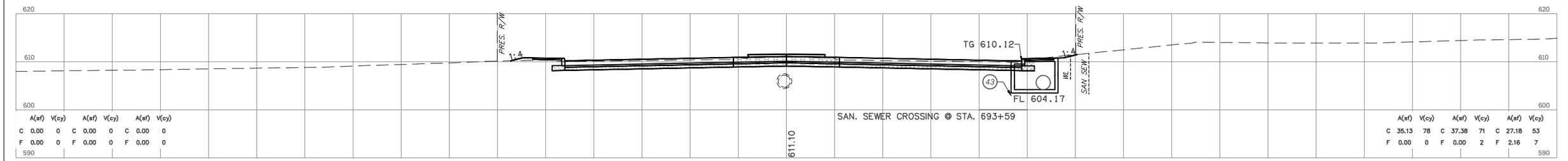
OCTOBER 2023



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	35.60	26	C	34.13	26	C	26.55	20
F	0.00	0	F	0.15	0	F	3.84	2

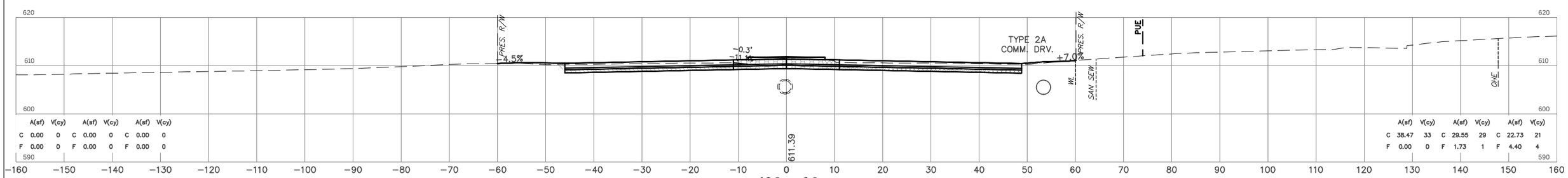
694+00



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	35.13	78	C	37.38	71	C	27.18	53
F	0.00	0	F	0.00	2	F	2.16	7

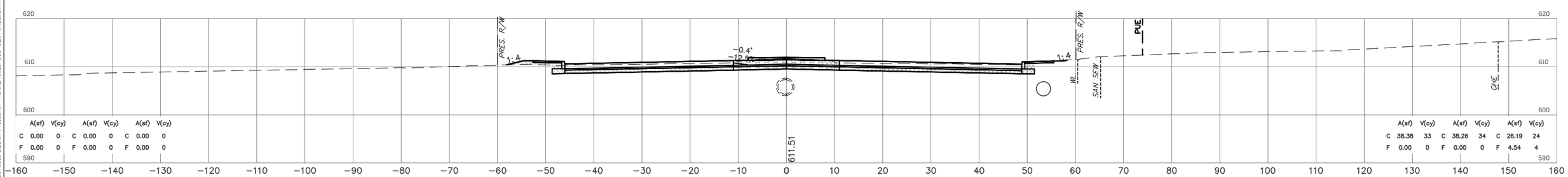
693+80



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	38.47	33	C	29.55	29	C	22.73	21
F	0.00	0	F	1.73	1	F	4.40	4

693+23



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	38.38	33	C	38.26	34	C	28.19	24
F	0.00	0	F	0.00	0	F	4.54	4

693+00

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE.
DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X067

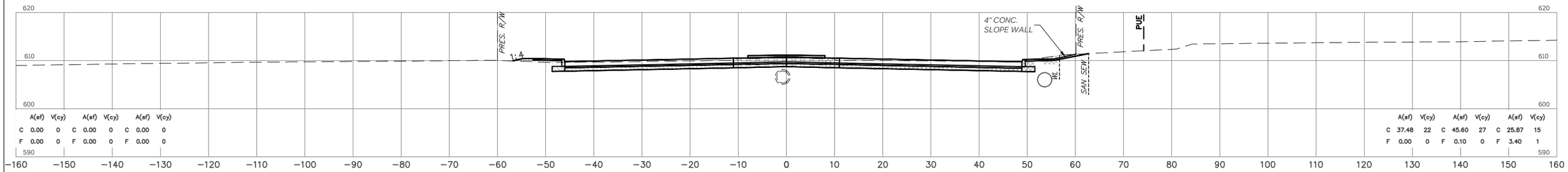
HNB Engineers
Time of Plot: 10:02:24 AM Plot Style: HPGNSCNTR
G:\30\A-40\0711\SEG\DESIGN\Production Plans\27108_CROSS SECTIONS_MainLine_PLOT.dwg

PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7

OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

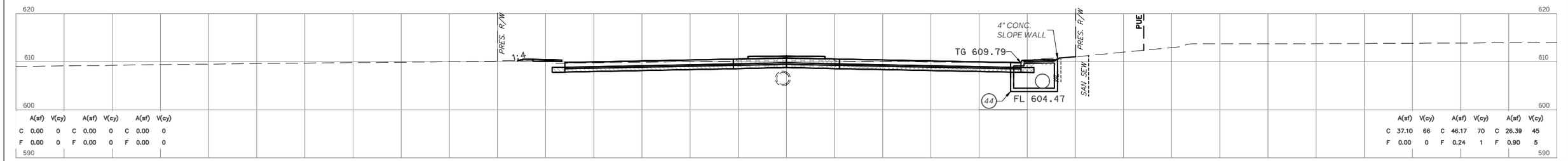
OCTOBER 2023



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	37.48	22	C	45.60	27	C	25.87	15
F	0.00	0	F	0.10	0	F	3.40	1

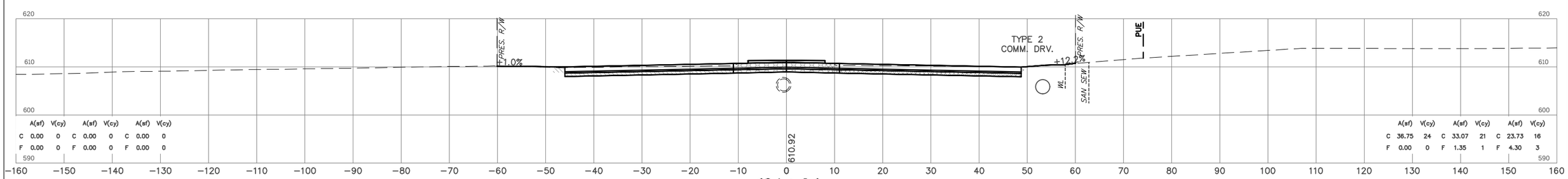
695+00



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	37.10	66	C	46.17	70	C	26.39	45
F	0.00	0	F	0.24	1	F	0.90	5

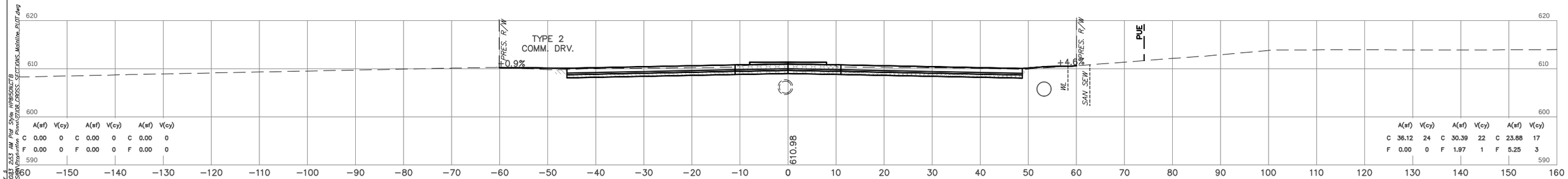
694+84



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	36.75	24	C	33.07	21	C	23.73	16
F	0.00	0	F	1.35	1	F	4.30	3

694+36



	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	0.00	0	C	0.00	0	C	0.00	0
F	0.00	0	F	0.00	0	F	0.00	0

	A(sf)	V(cy)		A(sf)	V(cy)		A(sf)	V(cy)
C	36.12	24	C	30.39	22	C	23.88	17
F	0.00	0	F	1.97	1	F	5.25	3

694+18

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE.
DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

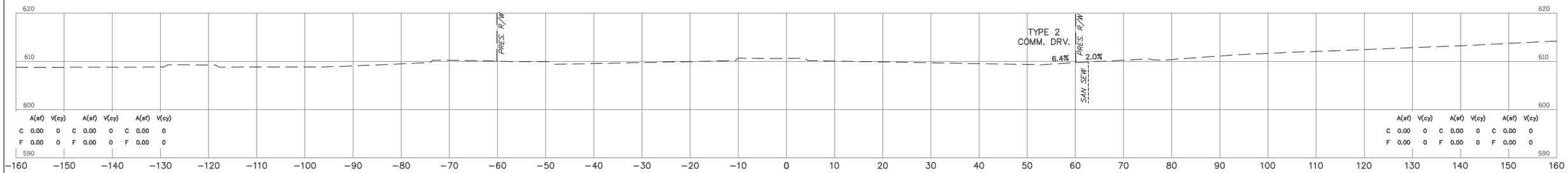
SHEET NO. X068

PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7

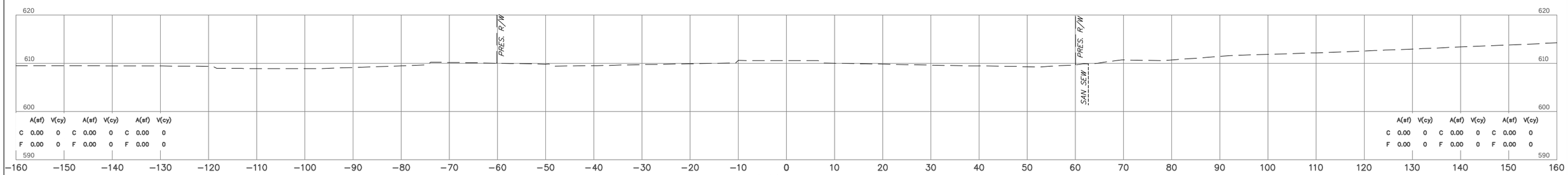
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

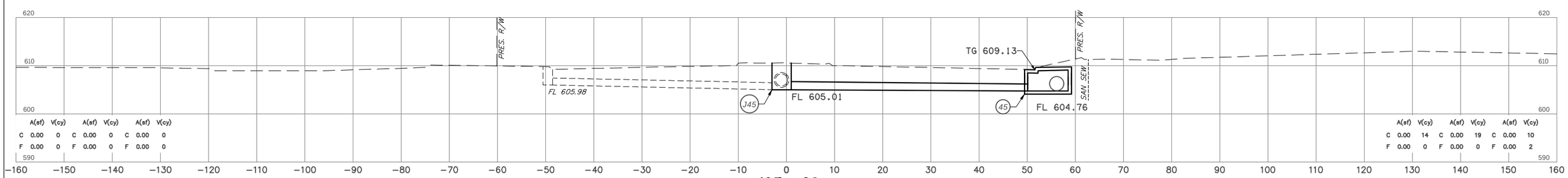
OCTOBER 2023



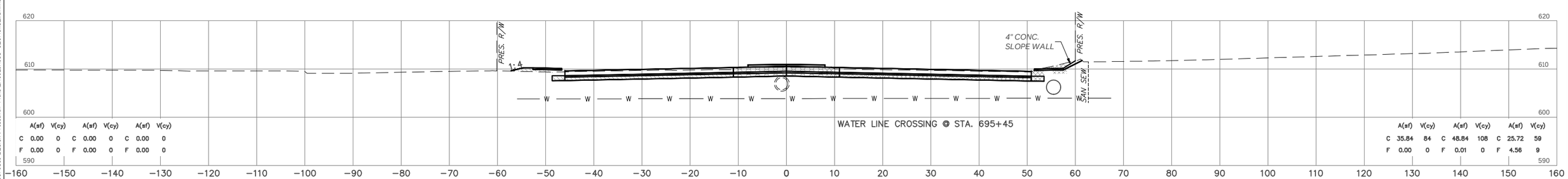
696+18



696+00



695+83



695+62

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE. DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

SHEET NO. X069

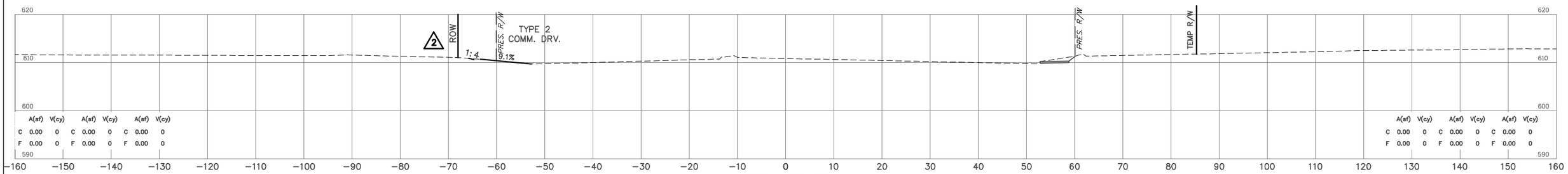
HNB Engineers
Time of Plot: 10:02:23 AM Plot Style: HDRSONCTB
G:\20\A40\20711\SER\DESIGN\Production Plans\27108_CROSS SECTIONS_MainLine_PLOT.dwg

PH. 1 PH. 2 PH. 3 PH. 5 PH. 6 PH. 7

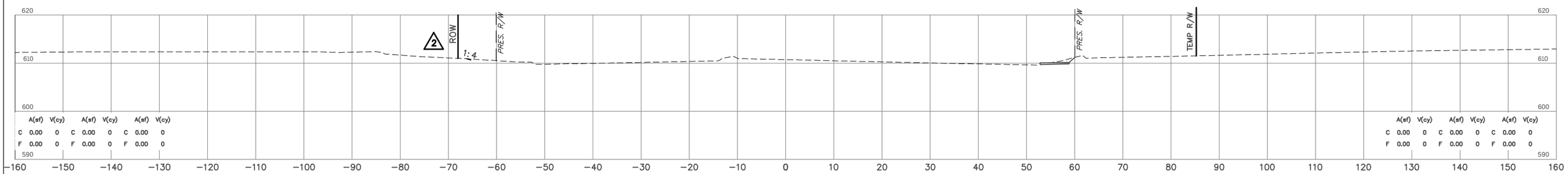
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

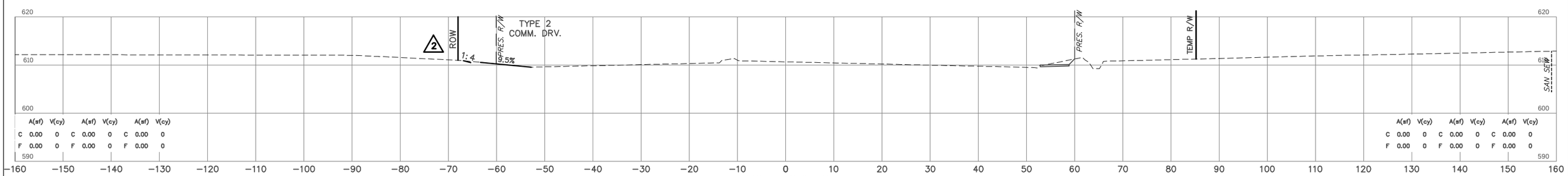
OCTOBER 2023



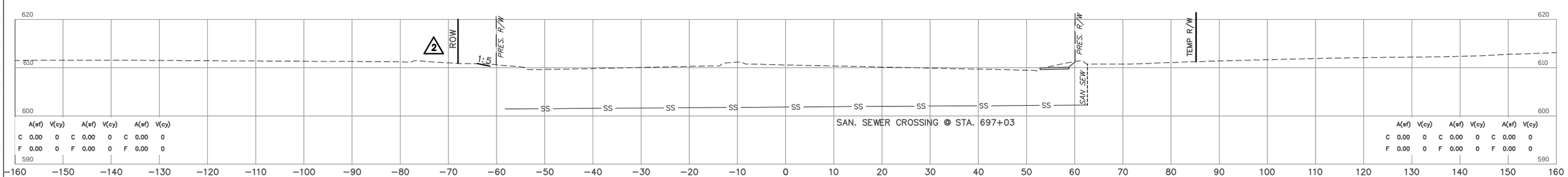
697 + 85.68



697 + 50.99



697 + 24.50



697 + 00

HDR Engineers
Thursday, 10/26/2023 4:23 PM PW: SYlw HPRESNUTTB
U:\2004\40261 USBS\CESIGN\Production Plans\PR\B_CROSS SECTIONS_Mainline_PLOT.dwg

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE.
DEPTH OF UTILITIES IS UNKNOWN.

U.S. HWY. 69

STATE JOB NO. 27108(04)

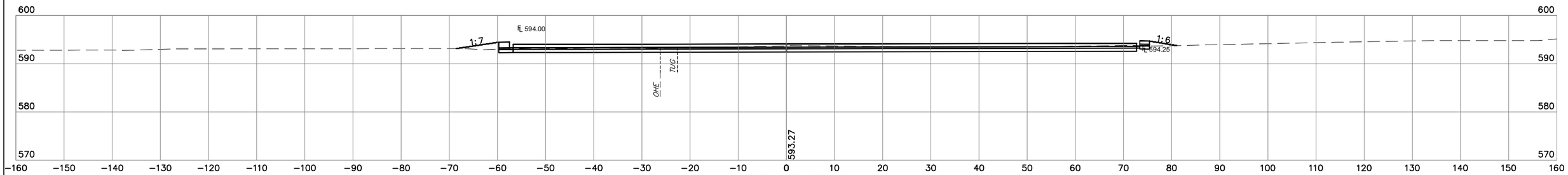
MUSKOGEE COUNTY

SHEET NO. X070

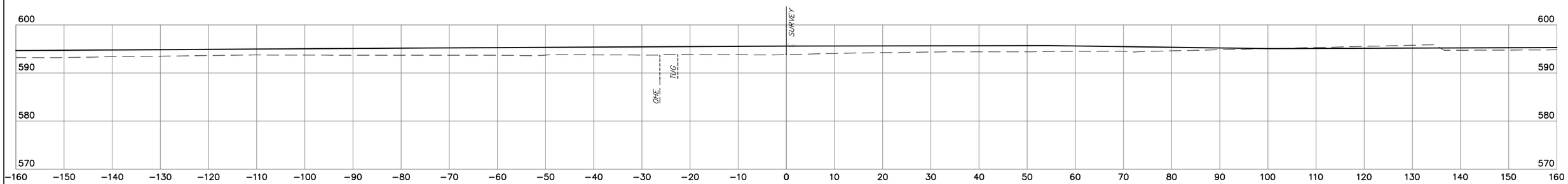
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

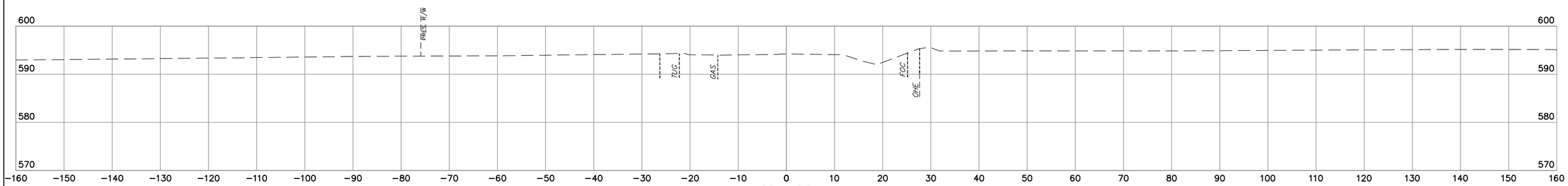
OCTOBER 2023



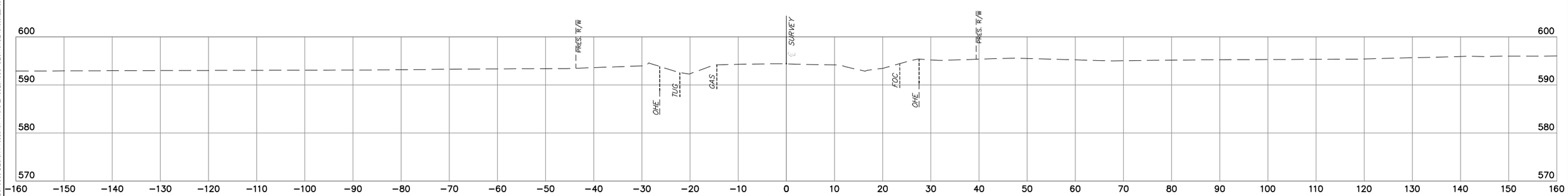
20+60.65



20+00 P.I. US 69 CRL



18+88



18+50

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE.
DEPTH OF UTILITIES IS UNKNOWN.

W. HANCOCK RD.

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

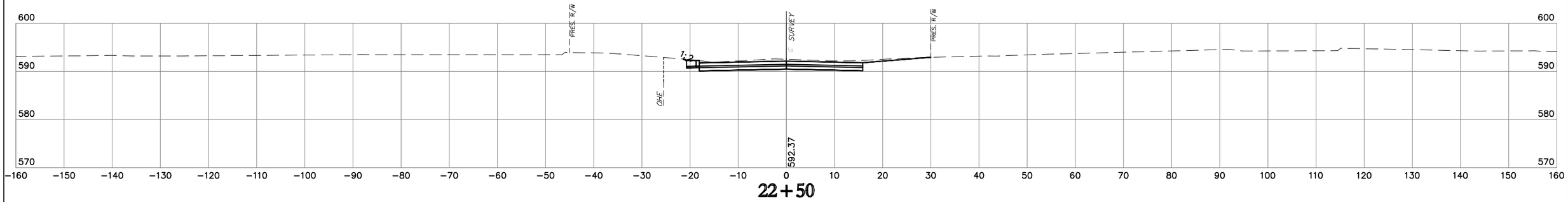
SHEET NO. X071

HDR Engineers
Plot Date: 10/20/2023 11:22 AM Plot Style: HPRINTCTB
User: d0ah4r4d0ot
U:\OkA4-4d0ot\USSR\CE\SIGN\Production Plans\27108_CROSS SECTIONS_Hancock_Broder.dwg

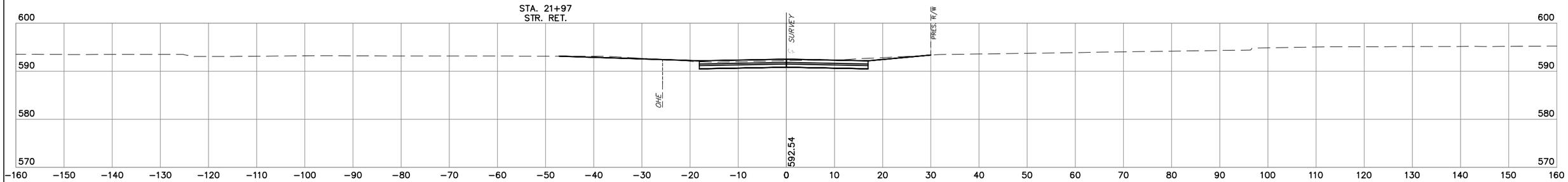
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

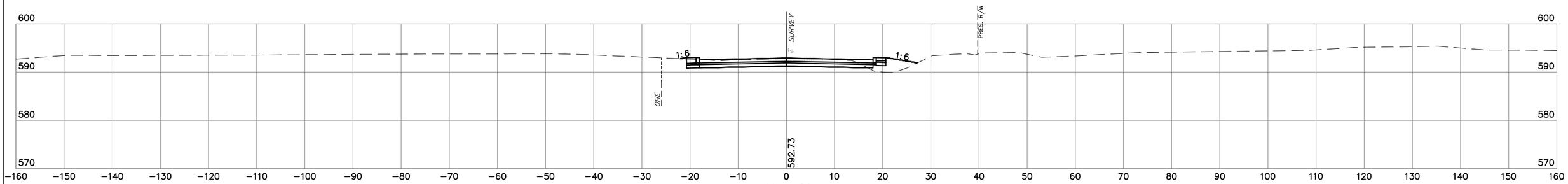
OCTOBER 2023



22+50

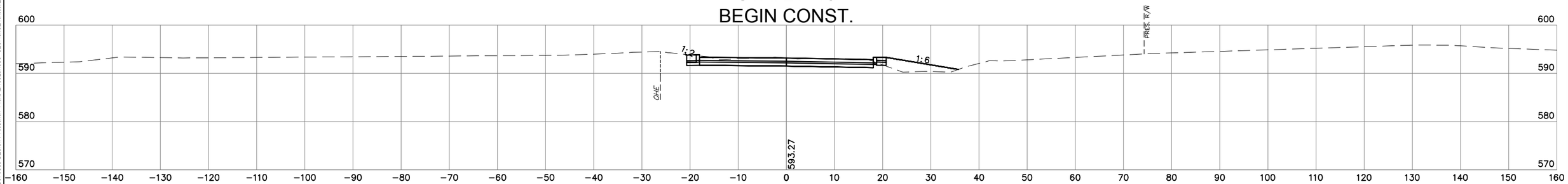


22+00



21+50

STA. 21+13
BEGIN CONST.



21+13

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE.
DEPTH OF UTILITIES IS UNKNOWN.

W. HANCOCK RD.

STATE JOB NO. 27108(04)
MUSKOGEE COUNTY
SHEET NO. X072

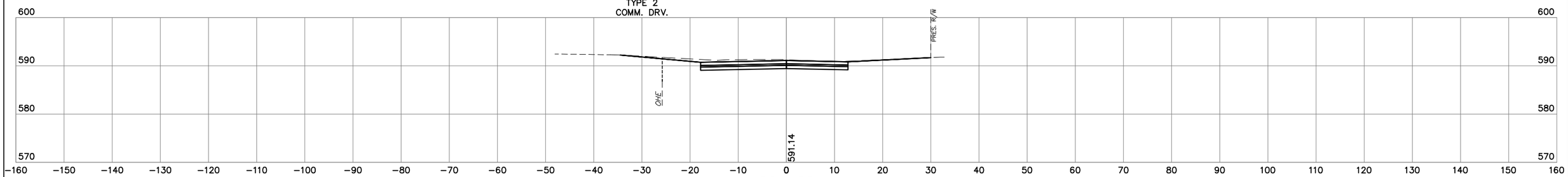
HDR Engineers
Date of Plot: 11/20/2023 11:23 AM Plot Style: HPGL90LNCTB
U:\Ok-HQDOT\USSR\CE-SIGN-Production Plans\27108_CROSS SECTIONS_Hancock_Broder.dwg

OKLAHOMA DEPARTMENT OF TRANSPORTATION

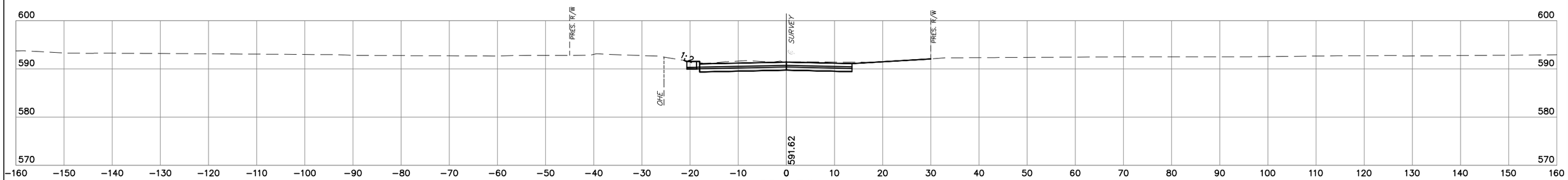
FINAL FIELD MEETING

OCTOBER 2023

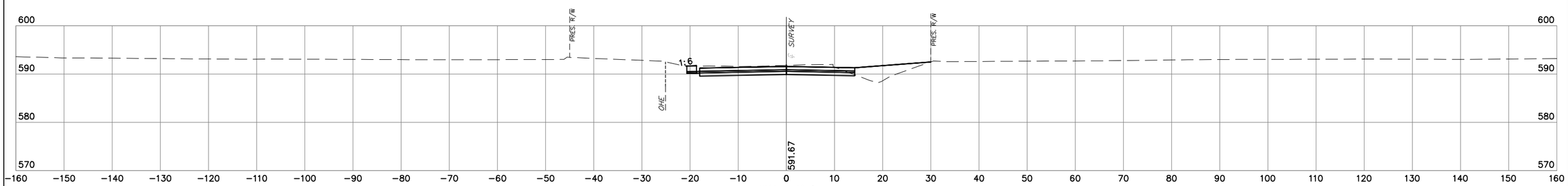
STA. 23+89
TYPE 2
COMM. DRV.



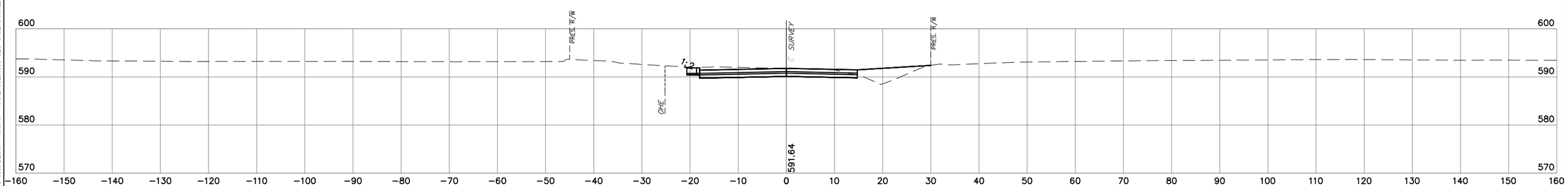
23+89



23+50



23+25



23+00

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE.
DEPTH OF UTILITIES IS UNKNOWN.

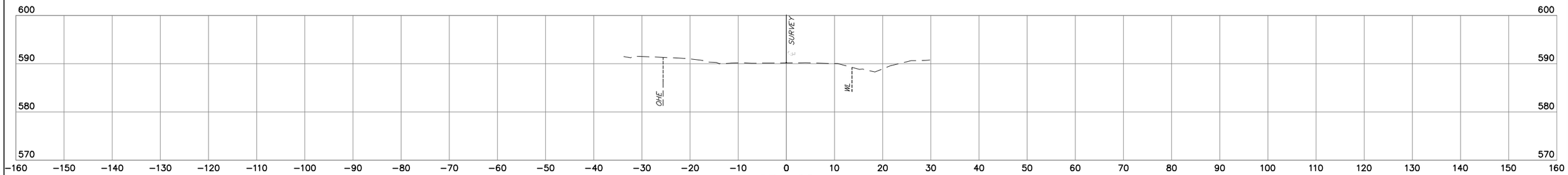
W. HANCOCK RD.

STATE JOB NO. 27108(04)
MUSKOGEE COUNTY
SHEET NO. X073

OKLAHOMA DEPARTMENT OF TRANSPORTATION

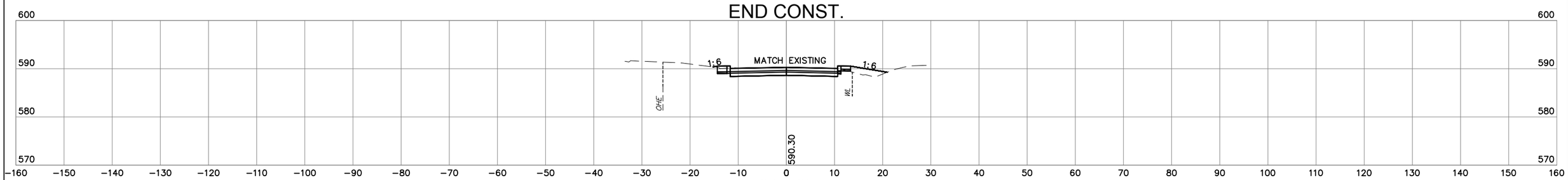
FINAL FIELD MEETING

OCTOBER 2023

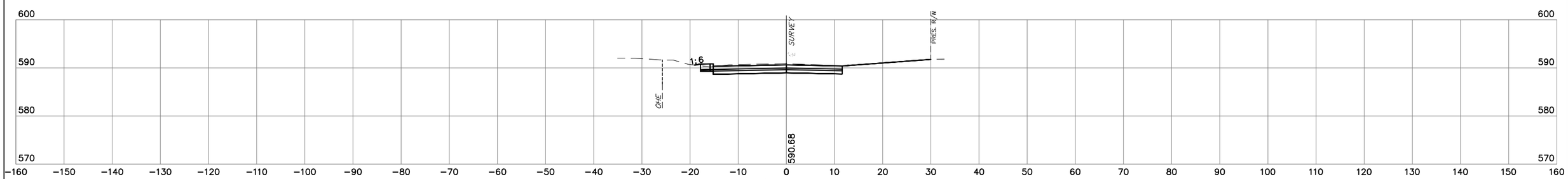


25+00

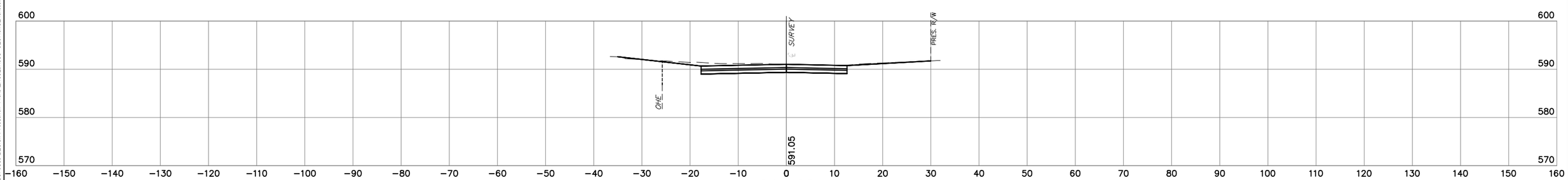
STA. 24+95
END CONST.



24+95



24+50



24+00

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE.
DEPTH OF UTILITIES IS UNKNOWN.

W. HANCOCK RD.

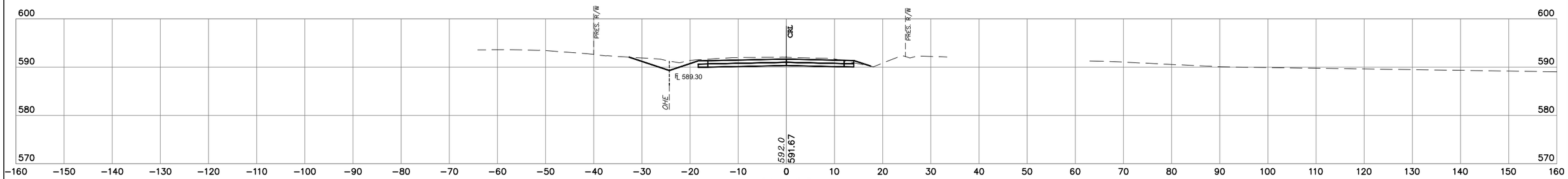
STATE JOB NO. 27108(04)
MUSKOGEE COUNTY
SHEET NO. X074

HDR Engineers
Plot Date: 10/20/2023 11:04 AM Plot Style: HPGL2SOLCTB
D:\Bow\A-4\ODOT\USSR\CE\SIGN\Production Plans\27108_CROSS SECTIONS_Hancock_Broder.dwg

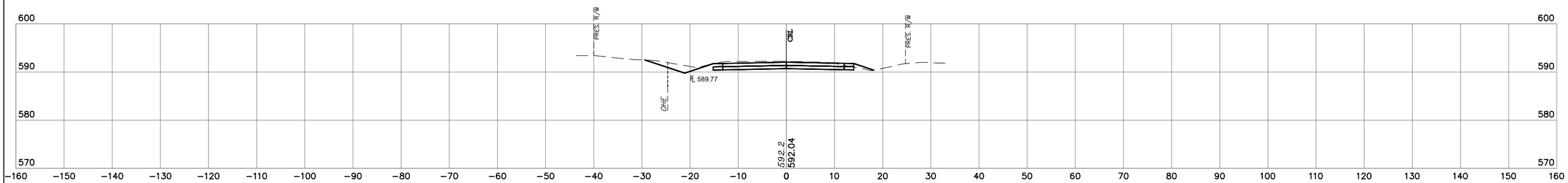
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

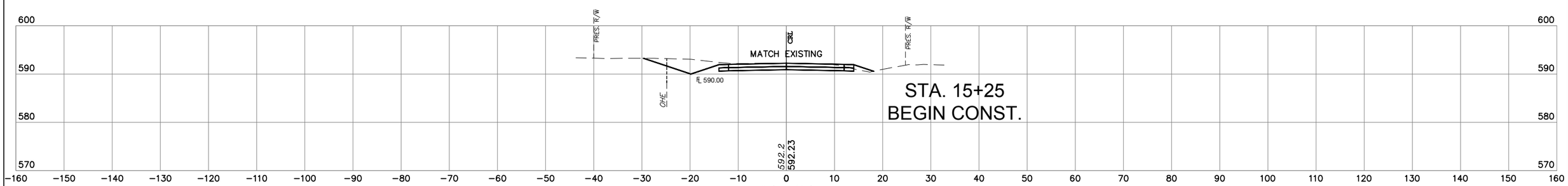
OCTOBER 2023



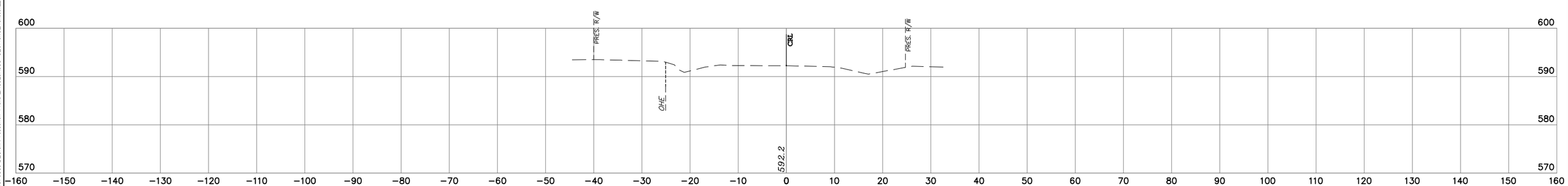
16+00



15+50



15+25



15+00

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE.
DEPTH OF UTILITIES IS UNKNOWN.

BORDER AVE.

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

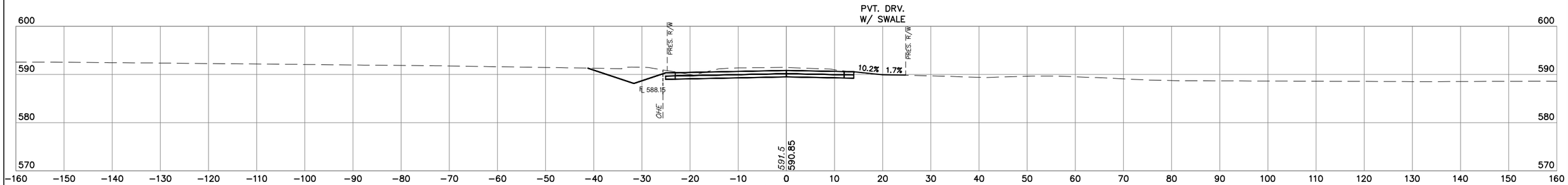
SHEET NO. X075

HDR Engineers
Date of Plot: 11/09/2023 11:05 AM Plot Style: HPGL90LNTP
D:\Bdr\A-4\0001\US59\CE-SIGN-Production Plans\27108_CROSS SECTIONS_Hancock_Broder.dwg

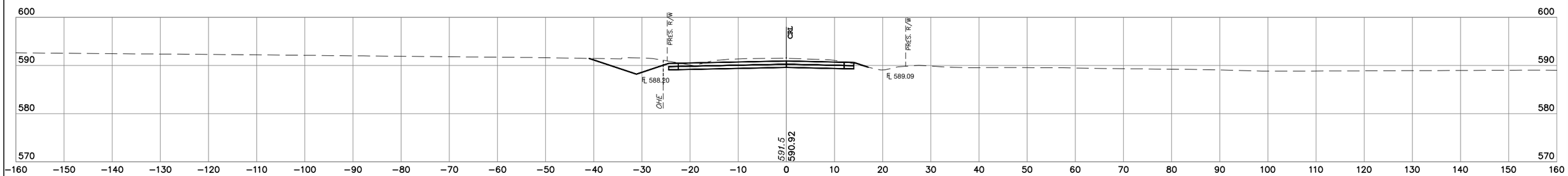
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

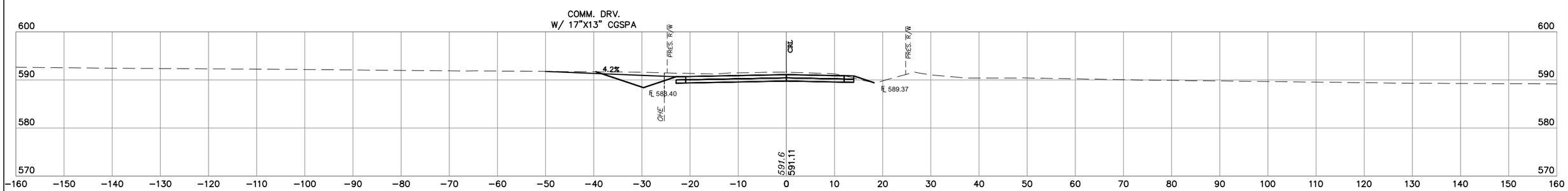
OCTOBER 2023



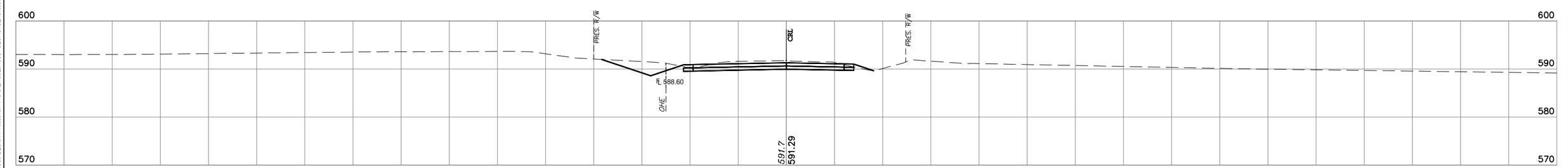
17+10



17+00



16+75



16+50

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE.
DEPTH OF UTILITIES IS UNKNOWN.

BORDER AVE.

STATE JOB NO. 27108(04)

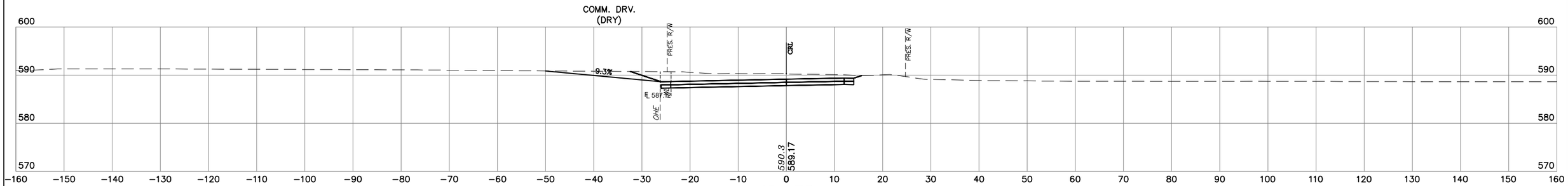
MUSKOGEE COUNTY

SHEET NO. X076

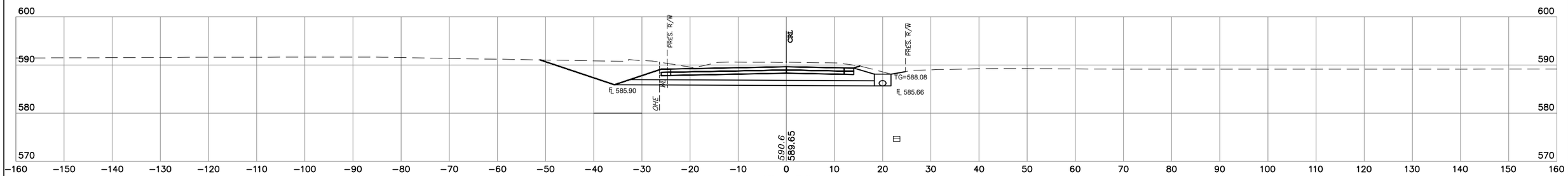
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

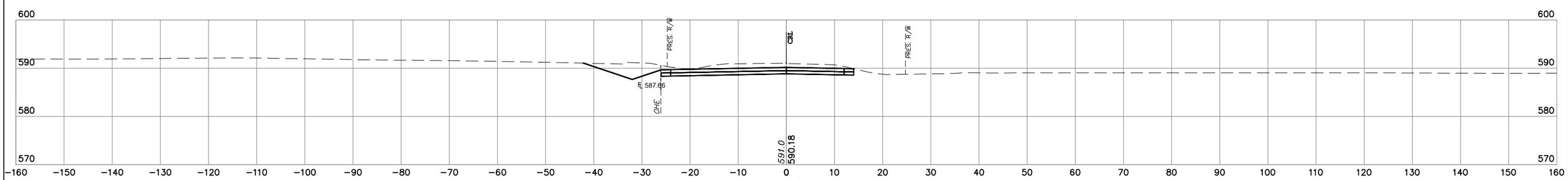
OCTOBER 2023



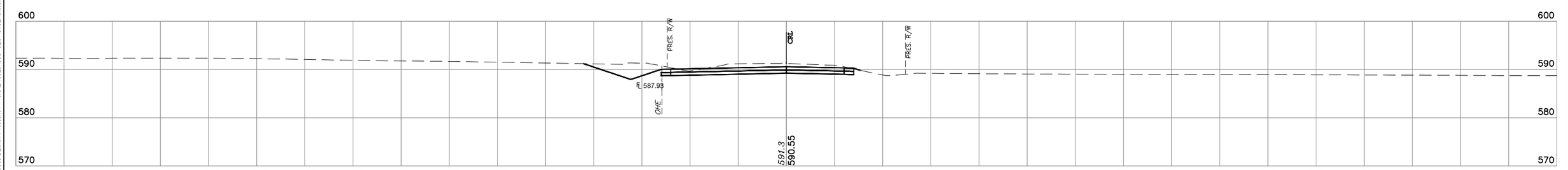
18+75



18+50



18+00



17+50

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE.
DEPTH OF UTILITIES IS UNKNOWN.

BORDER AVE.

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

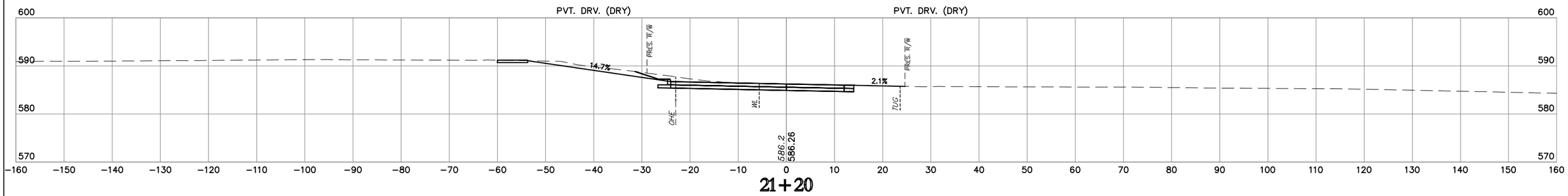
SHEET NO. X077

HDR Engineers
Date of Plot: 10/20/2023 11:06 AM Plot Style: HPRINCNCTB
D:\Bob\A-40\DOT\USR\CE\SIGN\Production Plans\27108_CROSS SECTIONS_Hancock_Broder.dwg

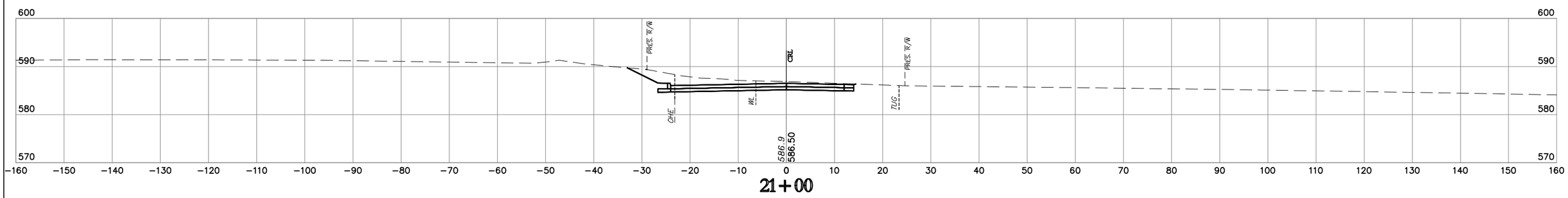
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

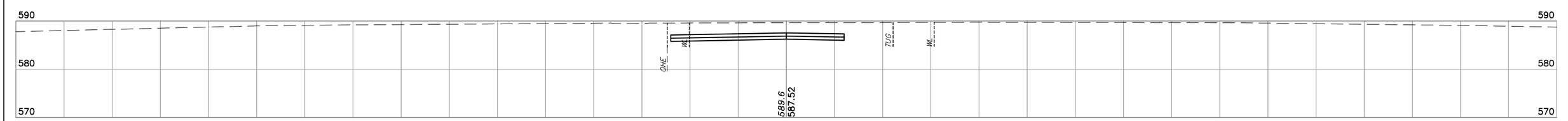
OCTOBER 2023



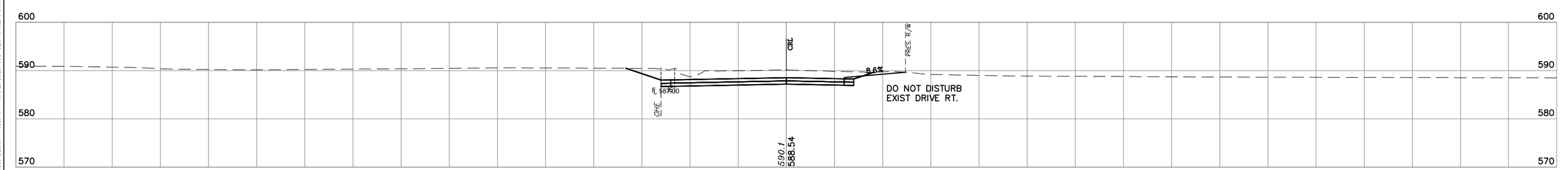
21+20



21+00



20+00 P.I. US 69



19+00

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE.
DEPTH OF UTILITIES IS UNKNOWN.

BORDER AVE.

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

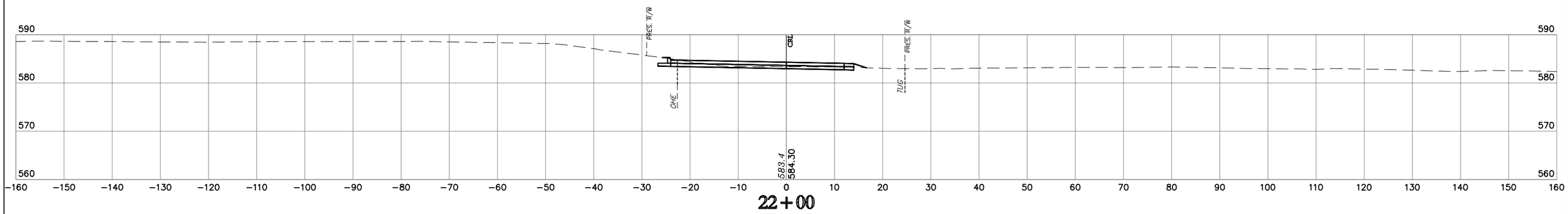
SHEET NO. X078

HDR Engineers
Plot Date: 10/20/2023 11:07 AM Plot Style: HPGROUNCTB
User: A40201 USERDZ-SGN Production Plans\27108_CROSS SECTIONS_Hancock_Broder.dwg

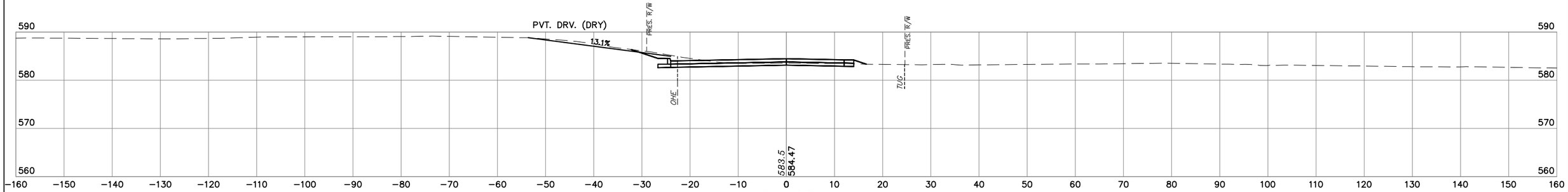
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

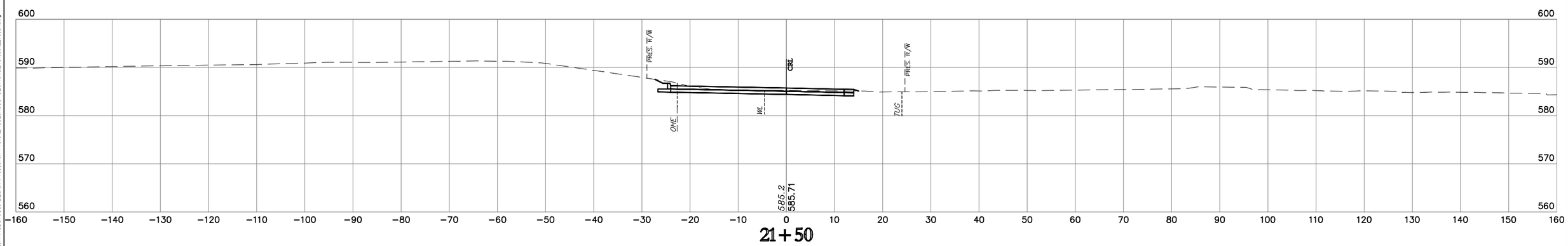
OCTOBER 2023



22+00



21+95



21+50

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE.
DEPTH OF UTILITIES IS UNKNOWN.

BORDER AVE.

STATE JOB NO. 27108(04)

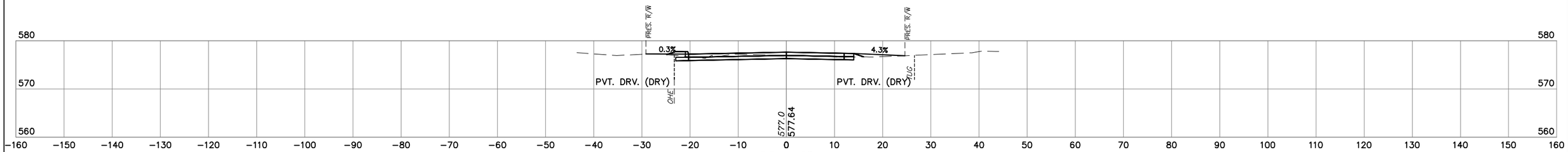
MUSKOGEE COUNTY SHEET NO. X079

HDR Engineers
Thursday, October 12, 2023 11:07 AM Plot Style: HPRINSPNLCTB
(U:\2014HDOT\USER\JE.SIER\Production Plans\27108_CROSS SECTIONS_Honoack_Broder.dwg)

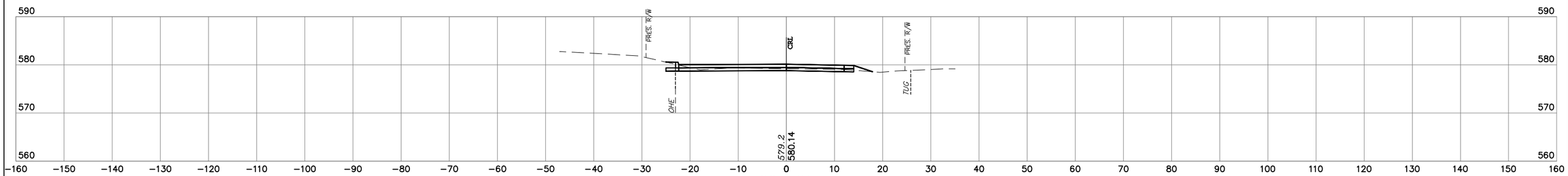
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

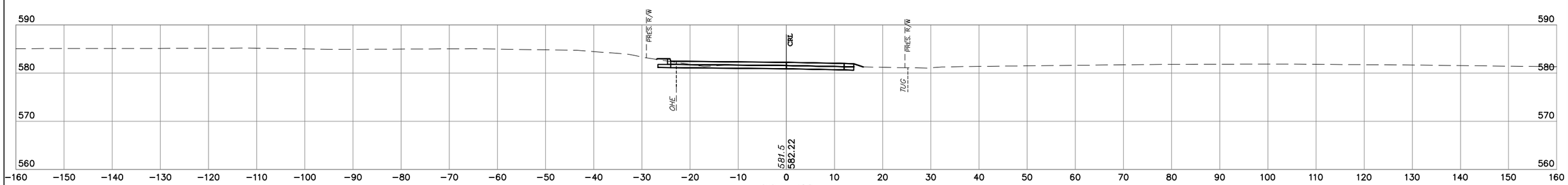
OCTOBER 2023



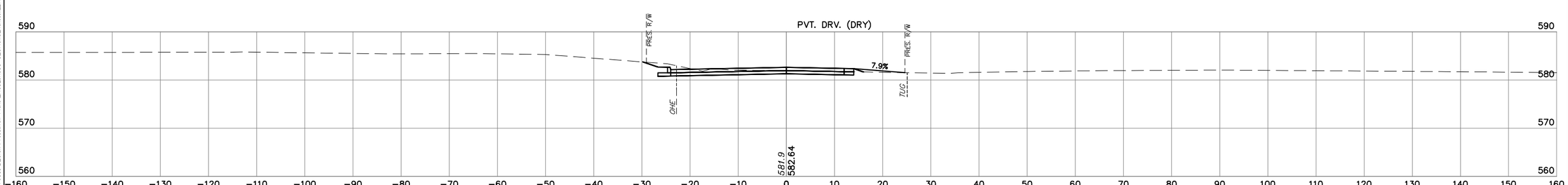
23 + 60



23 + 00



22 + 50



22 + 40

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE. DEPTH OF UTILITIES IS UNKNOWN.

BORDER AVE.

STATE JOB NO. 27108(04)

MUSKOGEE COUNTY

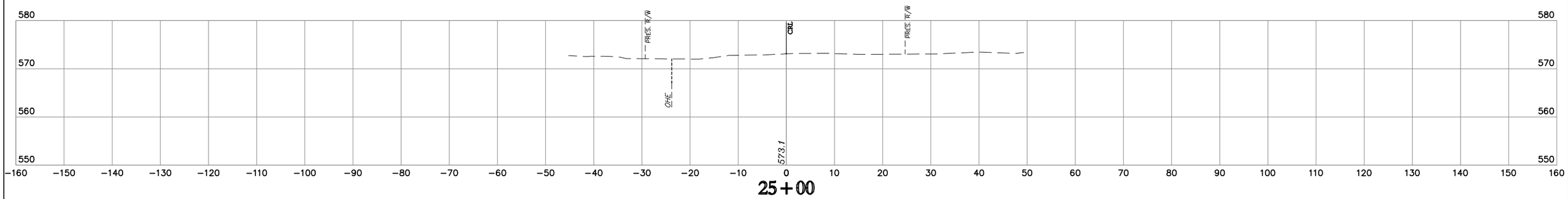
SHEET NO. X080

HUB Engineers
Plot Date: 10/20/2023 11:27 AM Plot Style: HPGL90UNCTB
Drawing: U:\30-N-4\0001 U59\SCS\SIGN Production Plans\27108_CH05\S SECTIONS_Hancock_Broder.dwg

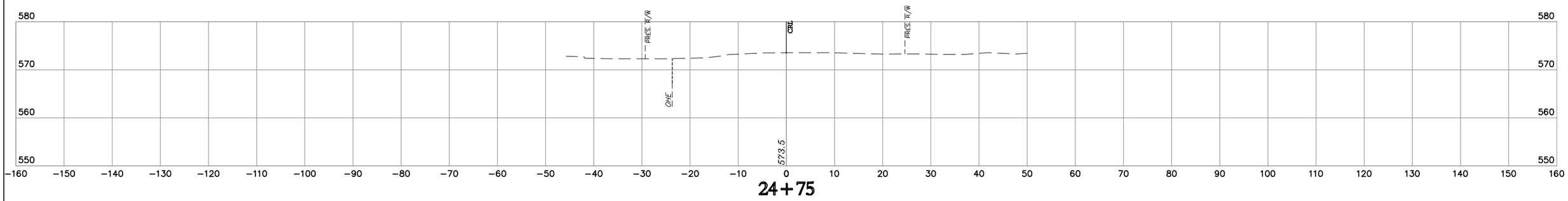
OKLAHOMA DEPARTMENT OF TRANSPORTATION

FINAL FIELD MEETING

OCTOBER 2023

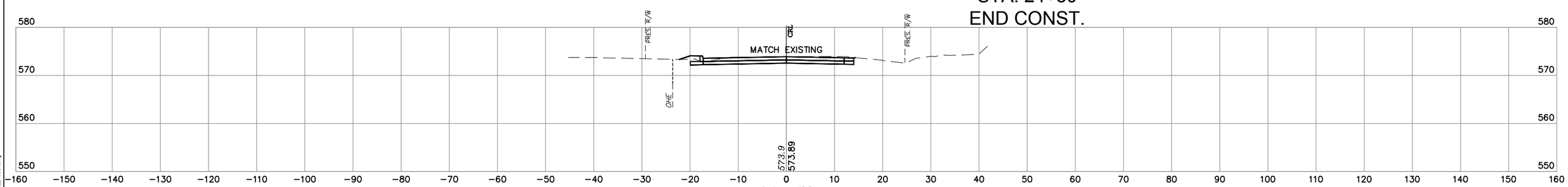


25+00

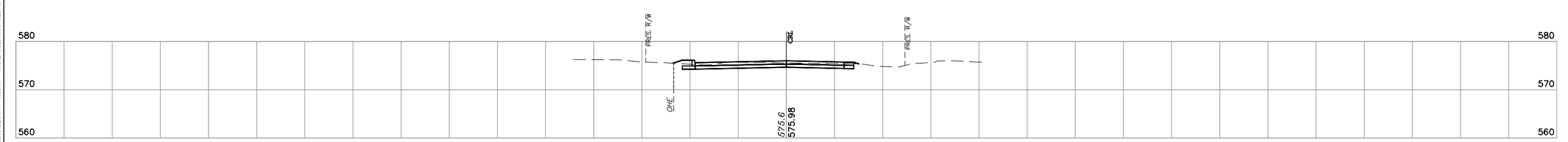


24+75

STA. 24+50
END CONST.



24+50



24+00

NOTE: LOCATION OF UTILITIES ARE APPROXIMATE.
DEPTH OF UTILITIES IS UNKNOWN.

BORDER AVE.

STATE JOB NO. 27108(04)
MUSKOGEE COUNTY
SHEET NO. X081

HDR Engineers
Plot Date: 10/12/2023 11:08 AM Plot Style: HPRINCNTB
User: U539A-HDOT\U539CE-SIGN Production Plans\27108_CROSS SECTIONS_Hancock_Border.dwg