

LOCATION MAP

HORIZONTAL SURVEY CONTROL IS THE NGS OKLAHOMA STATE PLANE COORDINATE SYSTEM, NAD83(1993) LAMBERT PROJECTION, NORTH ZONE, MODIFIED TO SURFACE BY APPLYING AN COMBINED ADJUSTMENT FACTOR OF 0.999913052. FOR ADDITIONAL DETAILS, SEE SURVEY DATA SHEETS S1-S51

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED
R/W
10/30/2017

OKLAHOMA TURNPIKE AUTHORITY

CONTRACT No. GCT-2500

GILCREASE EXPRESSWAY

(THIS IS A FULLY CONTROLLED ACCESS HIGHWAY)

VOLUME 1

FOR INDEX OF SHEETS
AND LIST OF STANDARDS SEE SHEET 0002

GRADE, DRAINING, BRIDGE & SURFACE
TULSA COUNTY
CONTROL SECTION NO. P&S 72-87P
STATE JOB NO. 31313(04)

GILCREASE DESIGN DATA		
AADT 2020	=	26,000
AADT 2045	=	34,400 ★
DHV (2-WAY)	=	3440 ★
K (DHV/ADT)	=	10% ★
D	=	52% ★
T (% DHV)	=	5% ★
T (% AADT)	=	7% ★
T^3(% AADT)	=	3% ★
V	=	70 MPH
30yr ESALS	=	10.0 M

★ GILCREASE ULTIMATE

C-D / RAMP DESIGN DATA		
AADT 2020	=	19,720
AADT 2045	=	29,200 ★
DHV (2-WAY)	=	2,920★
K (DHV/ADT)	=	10% ★
D	=	60% ★
T (% DHV)	=	5% ★
T (% AADT)	=	7% ★
T^3(% AADT)	=	3% ★
V	=	50 MPH
30yr ESALS	=	11.9 M

★ GILCREASE ULTIMATE

SCALES
PLAN 1" = 50'
PROFILE HOR. 1" = 50'
VER. 1" = 5'
LAYOUT MAP 1" = 3520'

SURVEY ℄ STA. 385+00.00
KEYSTONE EXPRESSWAY
END INCIDENTAL

SURVEY ℄ STA. 378+00.00
END KEYSTONE EXPRESSWAY CONSTRUCTION
BEGIN INCIDENTAL

C.R.L. GILCREASE STA. 375+00.00
END INCIDENTAL

C.R.L. GILCREASE STA. 368+00.00
END PROJECT
BEGIN INCIDENTAL

SURVEY ℄ STA. 319+20.00
END KEYSTONE INCIDENTAL
BEGIN KEYSTONE CONSTRUCTION

SURVEY ℄ STA. 314+00.00
BEGIN KEYSTONE INCIDENTAL

BRIDGE SPAN STRUCTURES:

BRIDGE	BEGIN BRIDGE STA.	END BRIDGE STA.	LENGTH	NBI NO.	LOC. NO.
A	531+21.19	536+42.50	521.31 ft.		
B	169+08.27	171+04.93	196.66 ft.		
C	169+08.27	171+04.93	196.66 ft.		
D	222+05.42	223+62.09	156.67 ft.		
E	222+05.42	223+62.09	156.67 ft.		
F	233+30.74	250+85.02	1,754.28 ft.		
G	233+30.74	250+89.99	1,759.25 ft.		
H	275+06.84	277+06.36	199.52 ft.		
I	275+17.28	277+16.10	198.82 ft.		
J	281+39.33	284+52.93	313.60 ft.		
K	281+48.56	284+61.11	312.55 ft.		
L	4280+75.00	4284+38.58	363.58 ft.		
M	289+20.82	305+88.42	1,667.60 ft.		
N	289+18.97	305+80.99	1,662.02 ft.		
O	327+96.67	331+25.33	328.66 ft.		
P	327+96.67	331+25.33	328.66 ft.		
Q	336+46.00	338+48.94	202.94 ft.		
R	336+28.53	338+31.47	202.94 ft.		
S	350+29.65	354+70.51	440.86 ft.		
T	350+07.27	354+47.42	440.15 ft.		
U	360+11.90	363+97.72	385.82 ft.		
V	359+75.94	363+61.12	385.18 ft.		

BRIDGE CLASS RCB STRUCTURES:

BRIDGE	BRIDGE STA.	LENGTH	NBI NO.	LOC. NO.
W	333+06.20	32.98 ft.	18427	7286 1145 X
X	406+05.50	21.00 ft.	08057	72E0630N3900003
Y	173+18.56			
Z	2271+75.00	120.0 ft.		
AA	206+85.00	328.0 ft.		

C.R.L. GILCREASE STA. 103+30.00
END INCIDENTAL
BEGIN PROJECT

C.R.L. GILCREASE STA. 90+00.00
BEGIN INCIDENTAL

CONVENTIONAL SYMBOLS

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



E-W59 W. EDISON ST.
E-W60 11TH ST. S.
E-W61 W. 21ST ST. S.
E-W62 W. 31ST ST. S.
E-W63 W. 41ST ST. S.
E-W64 W. 51ST ST.

R 12 E
PROJECT LENGTH BASED ON C.R.L. STATIONING

ROADWAY LENGTH — NB 20,638.40 FT.
— SB 20,642.10 FT. — 3.909 MI.
BRIDGE LENGTH — NB 5,646.61 FT.
— SB 5,642.90 FT. — 1.069 MI.
PROJECT LENGTH — 4.978 MI.

EXCEPTIONS :

50% plans

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

PREPARED BY:
GARVER
6450 SOUTH LEWIS AVE.,
SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (VOICE)
(918) 858-0107 (FAX)

CERTIFICATE OF AUTHORIZATION NO. 4193 P.E., L.S. RENEWAL DATE: 6-30-2018

REVIEWED BY: _____
OLSSON ASSOCIATES DATE
CONSULTING ENGINEER

REVIEWED BY: _____
POE & ASSOCIATES DATE
DRIVING FORWARD PROGRAM MANAGER

ACCEPTED BY: _____
DAVID K. MURDOCK, P.E. DATE
ASSISTANT EXECUTIVE DIRECTOR
MAINTENANCE, ENGINEERING, & CONSTRUCTION

CONTRACT NO. GCT-2500 SHEET NO. 0001

THIS PROJECT SHALL BE CONSTRUCTED UNDER THE OKLAHOMA TURNPIKE AUTHORITY, 2010 STANDARD SPECIFICATIONS FOR TURNPIKE CONSTRUCTION, AND SPECIAL PROVISIONS WHICH GOVERN OVER STANDARD SPECIFICATIONS.

P.E. No. 31313(04)

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED
R/W
10/30/2017

INDEX OF SHEETS

VOLUME 1

0001 TITLE SHEET
0002 INDEX OF SHEETS

ROADWAY DRAWINGS

TYPICAL SECTIONS & DETAILS
0003-0020 TYPICAL SECTION
0021 ROAD DETAILS
0022 CABLE BARRIER DETAILS

KEYMAPS
R001-R002 PROJECT OVERVIEW KEYMAP
R003 KEYMAP

TRAFFIC MAPS
T001-T002 TRAFFIC MAPS

GEOMETRICS
R004-R041 GEOMETRIC LAYOUT

PLAN AND PROFILES
R042-R064 MAINLINE PLAN SHEETS
R065-R084 MAINLINE PROFILE SHEETS
R085-R101 KEYSTONE EXPRESSWAY PLAN AND PROFILES
R102-R124 GILCREASE RAMP PLAN AND PROFILES
R125-R142 SIDEROAD PLAN AND PROFILES
R143-R150 SHOO-FLY PLAN AND PROFILE
R151 DRIVEWAY PLAN AND PROFILE
R152-R167 TRAIL PROFILES

DRAINAGE DETAILS
R168-R187 DRAINAGE AREA MAP
R188-R191 DRAINAGE DESIGN RECORD
R192-R194 SUMMARY OF INLET DESIGN
R195 SUMMARY OF MANHOLE DESIGN
R196-R197 SUMMARY OF PIPE DESIGN
R198 STORM WATER MANAGEMENT PLAN

REMOVAL PLANS
R199-R227 REMOVAL SHEETS

TRAFFIC CONTROL
R228-R233 SUGGESTED CONSTRUCTION SEQUENCE OVERVIEW

LIGHTING PLANS
U001 LIGHTING LEGEND SHEET
U002 LIGHT FIXTURE SCHEDULE
U003-U004 TRAIL LIGHT FIXTURE SCHEDULE
U005-U013 ROADWAY LIGHT FIXTURE SCHEDULE
U014-U042 LIGHTING LAYOUT PLANS

SURVEY DATA
S001-S051 SURVEY DATA SHEETS

VOLUME 2

B001 TITLE
B002 INDEX OF SHEETS

BRIDGE DRAWINGS
AB01-AB07 GENERAL NOTES (BRIDGE)
BA001-BA004 BRIDGE A
BB001-BB024 BRIDGE B
BC001-BC019 BRIDGE C
BD001-BD004 BRIDGE D
BE001-BE004 BRIDGE E
BF001-BF009 BRIDGE F
BG001-BG026 BRIDGE G
BH001-BH016 BRIDGE H
BI001-BI021 BRIDGE I
BJ001-BJ023 BRIDGE J
BK001-BK022 BRIDGE K
BL001-BL033 BRIDGE L
BM001-BM014 BRIDGE M
BN001-BN042 BRIDGE N
BO001-BO004 BRIDGE O
BP001-BP004 BRIDGE P
BQ001-BQ021 BRIDGE Q
BR001-BR024 BRIDGE R
BS001-BS014 BRIDGE S
BT001-BT035 BRIDGE T
BU001-BU018 BRIDGE U
BV001-BV036 BRIDGE V
BW001 BRIDGE W
BX001 BRIDGE X
BAA01-BAA02 BRIDGE AA
BSTA01-BSTA09 BRIDGE STANDARDS

VOLUME 3

X001 TITLE
X002-X551 CROSS SECTIONS

THE FOLLOWING 2009 ODOT STANDARDS ARE INCLUDED

ROADWAY	TRAFFIC SIGNING	TRAFFIC SAFETY	TRAFFIC LIGHTING	TRAFFIC CONTROL	BRIDGE

50% plans

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

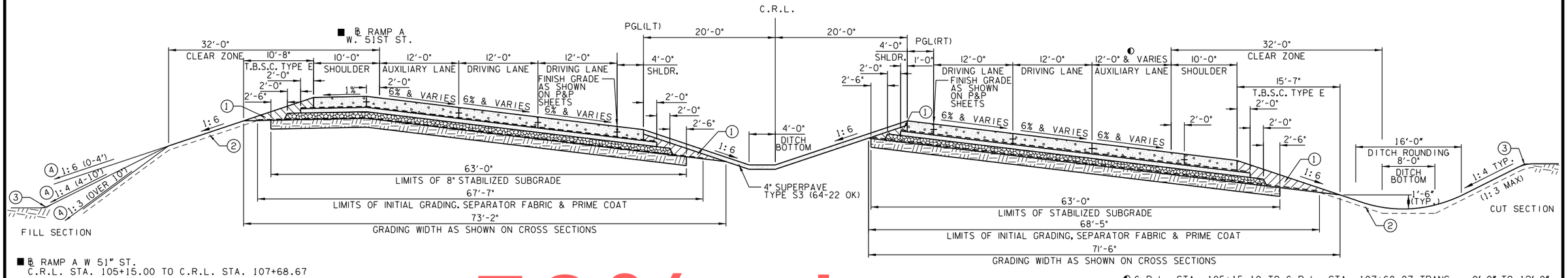
INDEX OF SHEETS

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NAB	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. 0002

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017



■ ℄ RAMP A W 51" ST.
C.R.L. STA. 105+15.00 TO C.R.L. STA. 107+68.67

◐ C.R.L. STA. 105+15.10 TO C.R.L. STA. 107+68.87 TRANS. - 0'-0" TO 12'-0"

50% plans

GILCREASE EXPRESSWAY - TYPICAL SECTION NO. 1

NOT TO SCALE
C.R.L. STA. 105+15.00 TO C.R.L. STA. 107+68.87

PAVEMENT REQUIREMENTS		
28" PAVT. STRUCTURE	DRIVING LANES	SHOULDERS
SURFACE COURSE	10" DOWEL JOINTED P.C. CONCRETE PAVEMENT	10" P.C. CONCRETE PAVEMENT
INTERMEDIATE COURSE	4" CEMENT TREATED BASE	4" CEMENT TREATED BASE
BASE COURSE	6" AGGREGATE BASE TYPE A	6" AGGREGATE BASE TYPE A
SUBGRADE	8" STABILIZED SUBGRADE	8" STABILIZED SUBGRADE

(1) BACKFILL NOTE
THIS AREA IS TO BE BACKFILLED AND COMPACTED AS PART OF FINISHING OPERATIONS. MATERIAL SHALL BE T.B.S.C. TYPE E AND PAID FOR BASED ON THEORETICAL CROSS SECTION.

(2) TOPSOIL NOTE
THE CONTRACTOR SHALL STRIP ALL OF THE AVAILABLE TOPSOIL, STOCKPILE IT, AND PLACE IT BACK ON THE SECTION IN ACCORDANCE WITH SECTION 205 OF THE STANDARD SPECIFICATIONS. RESERVED TOPSOIL SHALL BE SPREAD APPROX. 5" THICK FIRST ON THE COMPLETED SLOPES OF THE CUT SECTIONS AND THE REMAINDER ON COMPLETED FILL SLOPES OR OTHER PRIORITY AREAS LOCATED BY THE ENGINEER.
THE GRADING LINE AS SHOWN ON THE TYPICAL AND CROSS SECTIONS IS TO THE TOP OF TOPSOIL. EARTHWORK QUANTITIES WERE NOT ADJUSTED FOR SALVAGED TOPSOIL AND THE TOPSOIL QUANTITY IS INCLUDED IN THE MASS LINE BALANCE AND EARTHWORK SUMMARY.
ALL EXCAVATED MATERIAL NOT REQUIRED IN THE PROJECT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF BY THE CONTRACTOR IN A MANNER ACCEPTABLE TO THE ENGINEER WITHOUT COST TO THE OWNER. THE CONTRACTOR WILL BE REQUIRED TO OBTAIN AN EARTH CHANGE PERMIT IF ANY MATERIAL IS STORED ON THE PROJECT SITE AND/OR DISPOSED OF WITHIN THE CITY LIMITS.

(3) SEE ROUNDING DETAIL ON SHEET 0021

(4) DISTANCE MEASURED VERTICALLY FROM EDGE OF FINISHED SHOULDER.

(5) CONSTRUCT F-SHAPED PARAPET. SEE DETAIL SHEET 0015 FOR REINFORCEMENT DETAILS.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

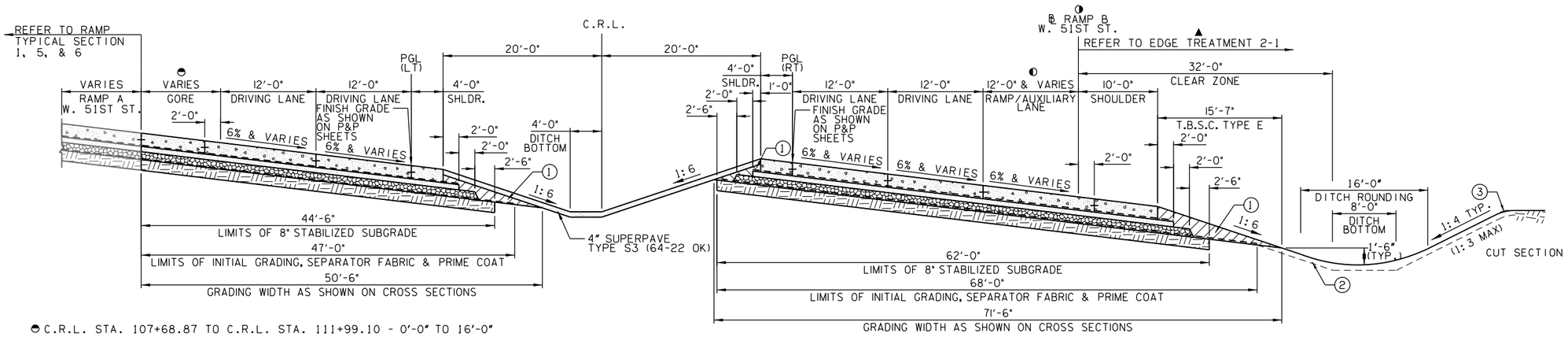
TYPICAL SECTIONS
SHEET 1 OF 18

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. 0003

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017



◓ C.R.L. STA. 107+68.87 TO C.R.L. STA. 111+99.10 - 0'-0" TO 16'-0"

GILCREASE EXPRESSWAY - TYPICAL SECTION NO. 2

NOT TO SCALE
C.R.L. STA. 107+68.87 TO C.R.L. STA. 113+00.00

PAVEMENT REQUIREMENTS		
28" PAVT. STRUCTURE	DRIVING LANES	SHOULDERS
SURFACE COURSE	10" DOWEL JOINTED P.C. CONCRETE PAVEMENT	10" P.C. CONCRETE PAVEMENT
INTERMEDIATE COURSE	4" CEMENT TREATED BASE	4" CEMENT TREATED BASE
BASE COURSE	6" AGGREGATE BASE TYPE A	6" AGGREGATE BASE TYPE A
SUBGRADE	8" STABILIZED SUBGRADE	8" STABILIZED SUBGRADE

◑ C.R.L. STA. 108+25.00 TO C.R.L. STA. 111+99.10
◐ C.R.L. STA. 107+68.87 TO C.R.L. STA. 108+25.00 TRANS. - 0'-0" TO 9'-0"
▲ C.R.L. STA. 109+50+00 C.R.L. STA. 111+99.10

50% plans

(1) BACKFILL NOTE
THIS AREA IS TO BE BACKFILLED AND COMPACTED AS PART OF FINISHING OPERATIONS. MATERIAL SHALL BE T.B.S.C. TYPE E AND PAID FOR BASED ON THEORETICAL CROSS SECTION.

(2) TOPSOIL NOTE
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THE GRADING LINE AS SHOWN ON THE TYPICAL AND CROSS SECTIONS IS TO THE TOP OF TOPSOIL. EARTHWORK QUANTITIES WERE NOT ADJUSTED FOR SALVAGED TOPSOIL AND THE TOPSOIL QUANTITY IS INCLUDED IN THE MASS LINE BALANCE AND EARTHWORK SUMMARY.
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(3) SEE ROUNDING DETAIL ON SHEET 0021

(4) DISTANCE MEASURED VERTICALLY FROM EDGE OF FINISHED SHOULDER.

(5) CONSTRUCT F-SHAPED PARAPET. SEE DETAIL SHEET 0015 FOR REINFORCEMENT DETAILS.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

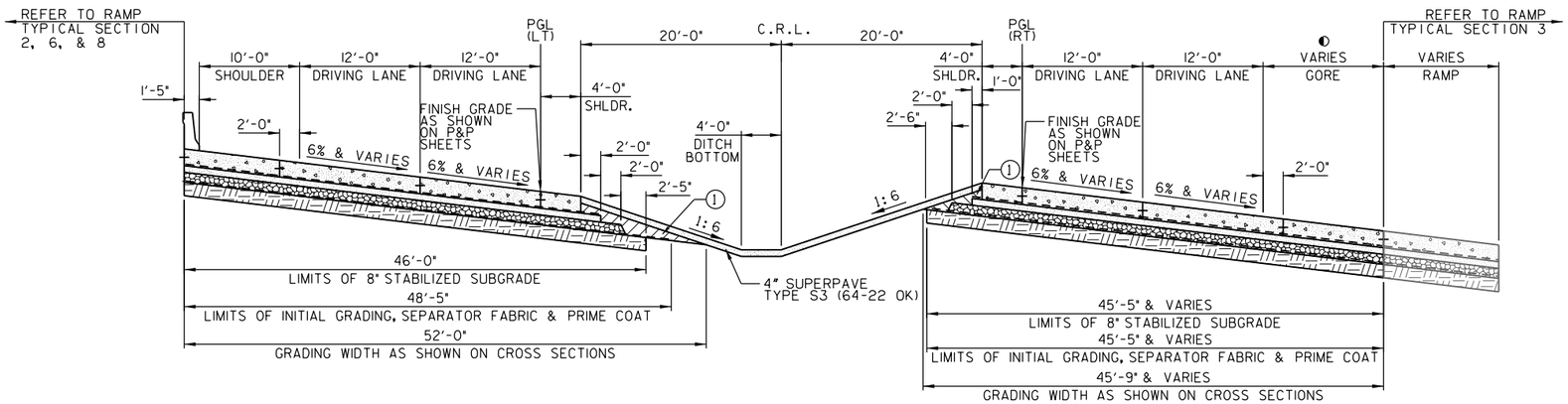
TYPICAL SECTIONS
SHEET 2 OF 18

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500
DETAILED	BWH	7/17	
CHECKED	NAB	10/17	DATE: 10/30/2017 SHEET NO. 0004

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017



◐ C.R.L. STA. 113+00.00 TO C.R.L. STA. 115+86.59 - 0'-0" TO 22'-0"

GILCREASE EXPRESSWAY - TYPICAL SECTION NO. 3

NOT TO SCALE
C.R.L. STA. 113+00.00 TO C.R.L. STA. 115+86.69

PAVEMENT REQUIREMENTS		
28" PAVT. STRUCTURE	DRIVING LANES	SHOULDERS
SURFACE COURSE	10" DOWEL JOINTED P.C. CONCRETE PAVEMENT	10" P.C. CONCRETE PAVEMENT
INTERMEDIATE COURSE	4" CEMENT TREATED BASE	4" CEMENT TREATED BASE
BASE COURSE	6" AGGREGATE BASE TYPE A	6" AGGREGATE BASE TYPE A
SUBGRADE	8" STABILIZED SUBGRADE	8" STABILIZED SUBGRADE

50% plans

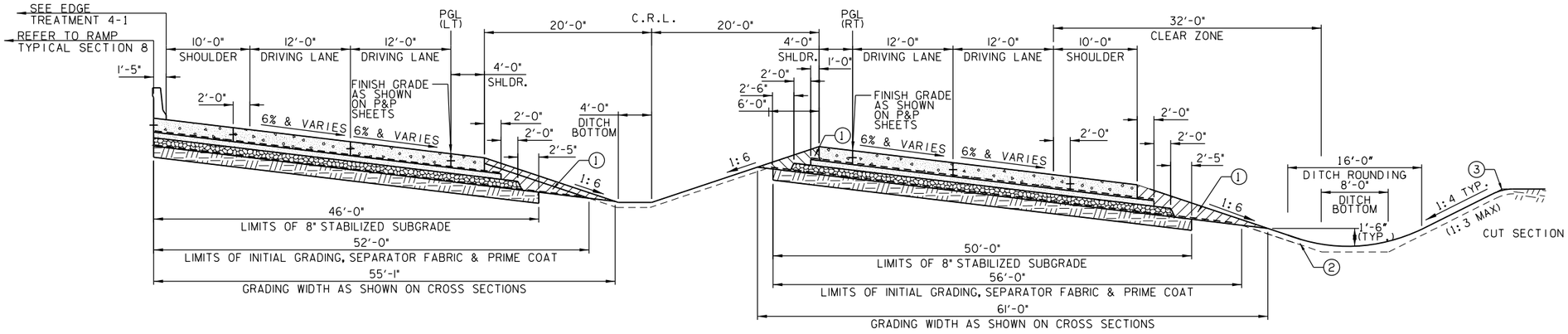
(1) BACKFILL NOTE
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(2) TOPSOIL NOTE
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(3) SEE ROUNDING DETAIL ON SHEET 0021

(4) DISTANCE MEASURED VERTICALLY FROM EDGE OF FINISHED SHOULDER.

(5) CONSTRUCT F-SHAPED PARAPET. SEE DETAIL SHEET 0015 FOR REINFORCEMENT DETAILS.



GILCREASE EXPRESSWAY - TYPICAL SECTION NO. 4

NOT TO SCALE
C.R.L. STA. 115+86.69 TO C.R.L. STA. 127+28.42

PAVEMENT REQUIREMENTS		
28" PAVT. STRUCTURE	DRIVING LANES	SHOULDERS
SURFACE COURSE	10" DOWEL JOINTED P.C. CONCRETE PAVEMENT	10" P.C. CONCRETE PAVEMENT
INTERMEDIATE COURSE	4" CEMENT TREATED BASE	4" CEMENT TREATED BASE
BASE COURSE	6" AGGREGATE BASE TYPE A	6" AGGREGATE BASE TYPE A
SUBGRADE	8" STABILIZED SUBGRADE	8" STABILIZED SUBGRADE

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

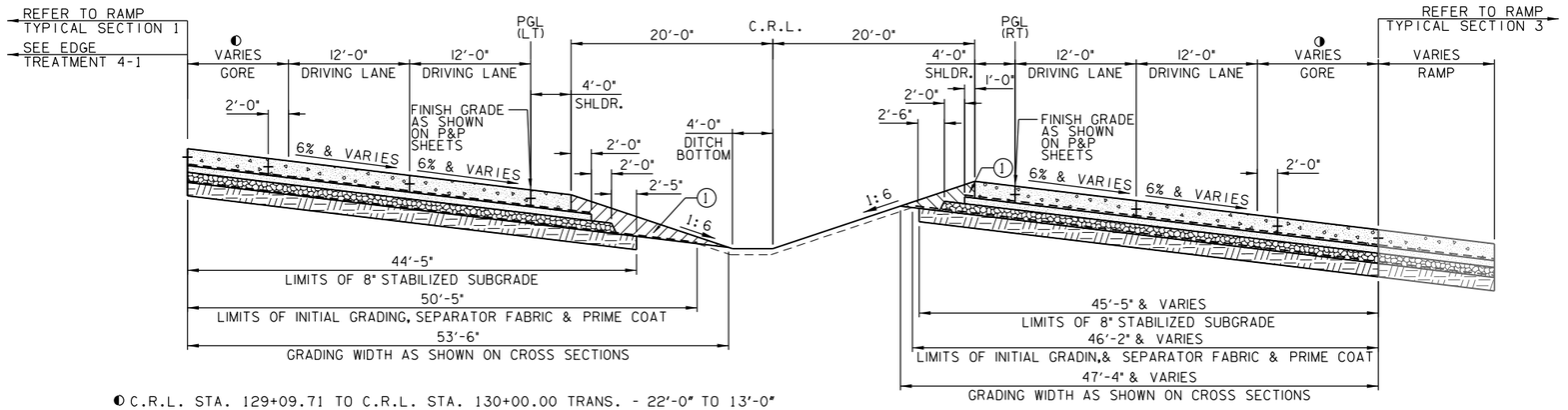
TYPICAL SECTIONS
SHEET 3 OF 18

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. 0005

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017



◐ C.R.L. STA. 129+09.71 TO C.R.L. STA. 130+00.00 TRANS. - 22'-0" TO 13'-0"

◑ C.R.L. STA. 127+28.42 TO C.R.L. STA. 130+00.00 TRANS. - 22'-0" TO 0'-0"

GILCREASE EXPRESSWAY - TYPICAL SECTION NO. 5

NOT TO SCALE
C.R.L. STA. 127+28.42 TO C.R.L. STA. 130+00.00

PAVEMENT REQUIREMENTS		
28" PAVT. STRUCTURE	DRIVING LANES	SHOULDERS
SURFACE COURSE	10" DOWEL JOINTED P.C. CONCRETE PAVEMENT	10" P.C. CONCRETE PAVEMENT
INTERMEDIATE COURSE	4" CEMENT TREATED BASE	4" CEMENT TREATED BASE
BASE COURSE	6" AGGREGATE BASE TYPE A	6" AGGREGATE BASE TYPE A
SUBGRADE	8" STABILIZED SUBGRADE	8" STABILIZED SUBGRADE

50% plans

(1) BACKFILL NOTE
THIS AREA IS TO BE BACKFILLED AND COMPACTED AS PART OF FINISHING OPERATIONS. MATERIAL SHALL BE T.B.S.C. TYPE E AND PAID FOR BASED ON THEORETICAL CROSS SECTION.

(2) TOPSOIL NOTE
THE CONTRACTOR SHALL STRIP ALL OF THE AVAILABLE TOPSOIL, STOCKPILE IT, AND PLACE IT BACK ON THE SECTION IN ACCORDANCE WITH SECTION 205 OF THE STANDARD SPECIFICATIONS. RESERVED TOPSOIL SHALL BE SPREAD APPROX. 5" THICK FIRST ON THE COMPLETED SLOPES OF THE CUT SECTIONS AND THE REMAINDER ON COMPLETED FILL SLOPES OR OTHER PRIORITY AREAS LOCATED BY THE ENGINEER.
THE GRADING LINE AS SHOWN ON THE TYPICAL AND CROSS SECTIONS IS TO THE TOP OF TOPSOIL. EARTHWORK QUANTITIES WERE NOT ADJUSTED FOR SALVAGED TOPSOIL AND THE TOPSOIL QUANTITY IS INCLUDED IN THE MASS LINE BALANCE AND EARTHWORK SUMMARY.
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(3) SEE ROUNDING DETAIL ON SHEET 0021

(4) DISTANCE MEASURED VERTICALLY FROM EDGE OF FINISHED SHOULDER.

(5) CONSTRUCT F-SHAPED PARAPET. SEE DETAIL SHEET 0015 FOR REINFORCEMENT DETAILS.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

TYPICAL SECTIONS
SHEET 4 OF 18

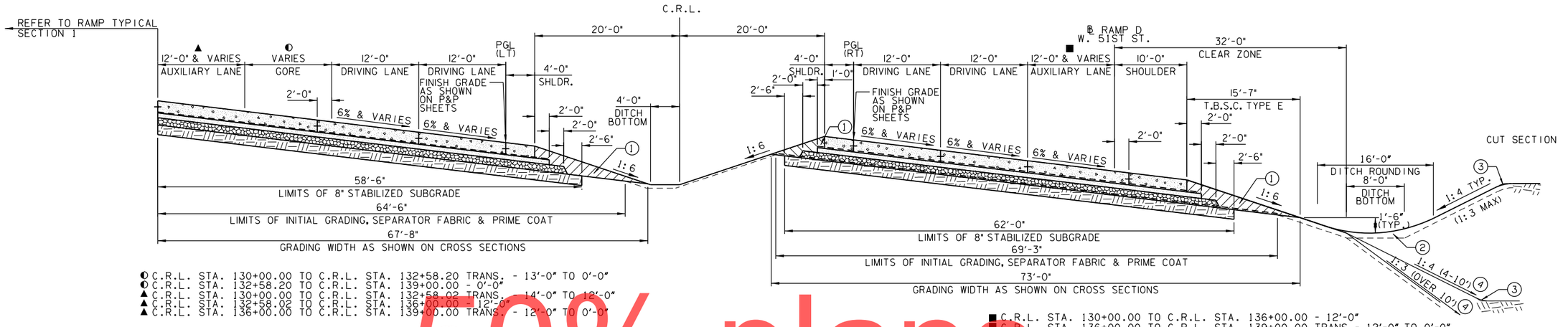
GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17
DETAILED	BWH	7/17
CHECKED	NAB	10/17

CONTRACT NO. GCT-2500
DATE: 10/30/2017
SHEET NO. 0006

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017



◐ C.R.L. STA. 130+00.00 TO C.R.L. STA. 132+58.20 TRANS. - 13'-0" TO 0'-0"
◐ C.R.L. STA. 132+58.20 TO C.R.L. STA. 139+00.00 - 0'-0"
▲ C.R.L. STA. 130+00.00 TO C.R.L. STA. 132+58.02 TRANS. - 14'-0" TO 12'-0"
▲ C.R.L. STA. 132+58.02 TO C.R.L. STA. 136+00.00 - 12'-0"
▲ C.R.L. STA. 136+00.00 TO C.R.L. STA. 139+00.00 TRANS. - 12'-0" TO 0'-0"

■ C.R.L. STA. 130+00.00 TO C.R.L. STA. 136+00.00 - 12'-0"
■ C.R.L. STA. 136+00.00 TO C.R.L. STA. 139+00.00 TRANS - 12'-0" TO 0'-0"

50% plans

GILCREASE EXPRESSWAY - TYPICAL SECTION NO. 6

NOT TO SCALE
C.R.L. STA. 130+00.00 TO C.R.L. STA. 139+00.00

PAVEMENT REQUIREMENTS		
28" PAVT. STRUCTURE	DRIVING LANES	SHOULDERS
SURFACE COURSE	10" DOWEL JOINTED P.C. CONCRETE PAVEMENT	10" P.C. CONCRETE PAVEMENT
INTERMEDIATE COURSE	4" CEMENT TREATED BASE	4" CEMENT TREATED BASE
BASE COURSE	6" AGGREGATE BASE TYPE A	6" AGGREGATE BASE TYPE A
SUBGRADE	8" STABILIZED SUBGRADE	8" STABILIZED SUBGRADE

(1) BACKFILL NOTE
THIS AREA IS TO BE BACKFILLED AND COMPACTED AS PART OF FINISHING OPERATIONS. MATERIAL SHALL BE T.B.S.C. TYPE E AND PAID FOR BASED ON THEORETICAL CROSS SECTION.

(2) TOPSOIL NOTE
THE CONTRACTOR SHALL STRIP ALL OF THE AVAILABLE TOPSOIL, STOCKPILE IT, AND PLACE IT BACK ON THE SECTION IN ACCORDANCE WITH SECTION 205 OF THE STANDARD SPECIFICATIONS. RESERVED TOPSOIL SHALL BE SPREAD APPROX. 5" THICK FIRST ON THE COMPLETED SLOPES OF THE CUT SECTIONS AND THE REMAINDER ON COMPLETED FILL SLOPES OR OTHER PRIORITY AREAS LOCATED BY THE ENGINEER.
THE GRADING LINE AS SHOWN ON THE TYPICAL AND CROSS SECTIONS IS TO THE TOP OF TOPSOIL. EARTHWORK QUANTITIES WERE NOT ADJUSTED FOR SALVAGED TOPSOIL AND THE TOPSOIL QUANTITY IS INCLUDED IN THE MASS LINE BALANCE AND EARTHWORK SUMMARY.
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(3) SEE ROUNDING DETAIL ON SHEET 0021

(4) DISTANCE MEASURED VERTICALLY FROM EDGE OF FINISHED SHOULDER.

(5) CONSTRUCT F-SHAPED PARAPET. SEE DETAIL SHEET 0015 FOR REINFORCEMENT DETAILS.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

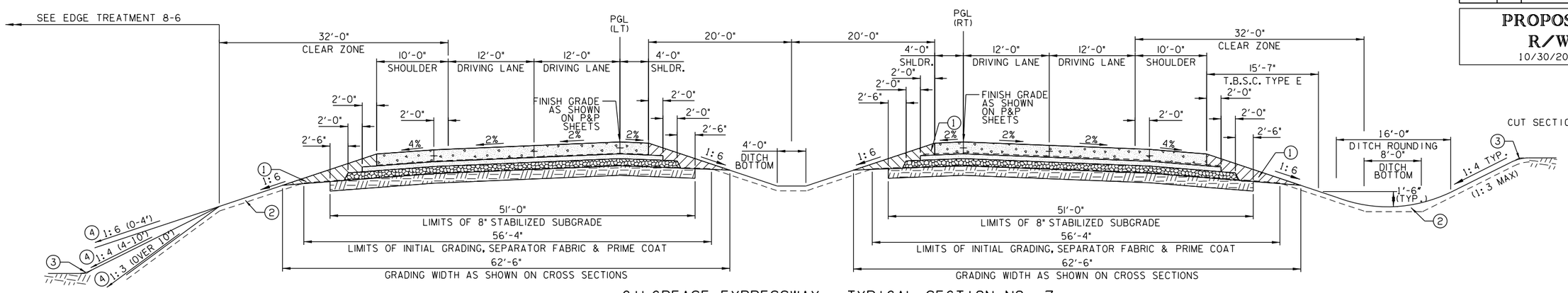
TYPICAL SECTIONS
SHEET 5 OF 18

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. 0007

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017



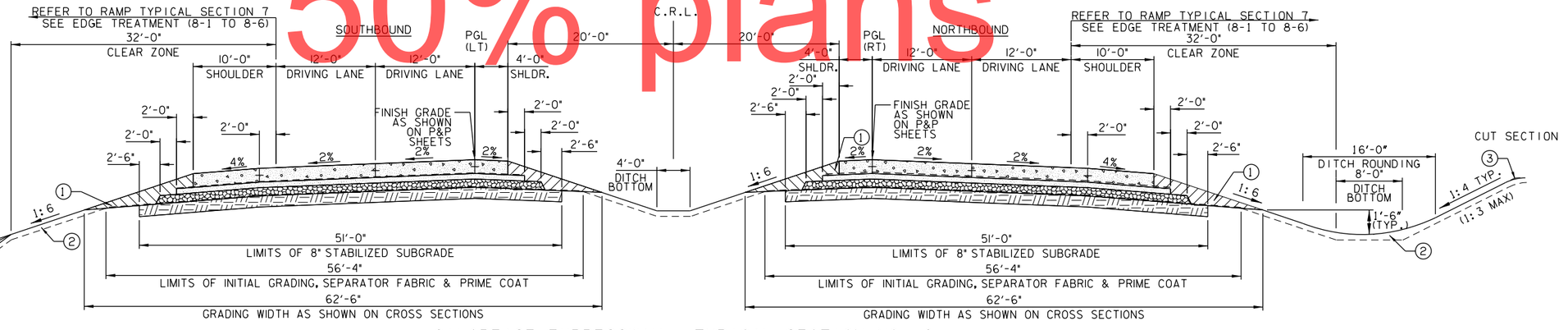
GILCREASE EXPRESSWAY - TYPICAL SECTION NO. 7

NOT TO SCALE

C.R.L. STA. 139+00.00 TO C.R.L. STA. 148+20.00

PAVEMENT REQUIREMENTS		
28" PAVT. STRUCTURE	DRIVING LANES	SHOULDERS
SURFACE COURSE	10" DOWEL JOINTED P.C. CONCRETE PAVEMENT	10" P.C. CONCRETE PAVEMENT
INTERMEDIATE COURSE	4" CEMENT TREATED BASE	4" CEMENT TREATED BASE
BASE COURSE	6" AGGREGATE BASE TYPE A	6" AGGREGATE BASE TYPE A
SUBGRADE	8" STABILIZED SUBGRADE	8" STABILIZED SUBGRADE

50% plans



GILCREASE EXPRESSWAY - TYPICAL SECTION NO. 8

NOT TO SCALE

C.R.L. STA. TO C.R.L. STA.

148+20.00 TO 168+68.27
171+44.93 TO 221+76.67
223+93.33 TO 232+90.74

PAVEMENT REQUIREMENTS		
28" PAVT. STRUCTURE	DRIVING LANES	SHOULDERS
SURFACE COURSE	10" DOWEL JOINTED P.C. CONCRETE PAVEMENT	10" P.C. CONCRETE PAVEMENT
INTERMEDIATE COURSE	4" CEMENT TREATED BASE	4" CEMENT TREATED BASE
BASE COURSE	6" AGGREGATE BASE TYPE A	6" AGGREGATE BASE TYPE A
SUBGRADE	8" STABILIZED SUBGRADE	8" STABILIZED SUBGRADE

SOUTHBOUND	NORTHBOUND
C.R.L. STA. TO C.R.L. STA.	**C.R.L. STA. TO C.R.L. STA.**
251+33.87 TO 274+75.25	251+26.15 TO 274+56.68
277+65.07 TO 281+16.76	277+48.33 TO 281+00.37
284+96.64 TO 288+66.90	284+84.57 TO 288+80.35
306+22.44 TO 327+66.67	306+34.02 TO 327+66.67
331+55.33 TO 335+76.34	331+55.33 TO 336+02.55
338+74.92 TO 349+46.05	339+01.13 TO 349+85.22
354+91.99 TO 357+91.00	355+32.76 TO 357+91.00

(1) BACKFILL NOTE
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(3) SEE ROUNDING DETAIL ON SHEET 0021

(4) DISTANCE MEASURED VERTICALLY FROM EDGE OF FINISHED SHOULDER.

(5) CONSTRUCT F-SHAPED PARAPET. SEE DETAIL SHEET 0015 FOR REINFORCEMENT DETAILS.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

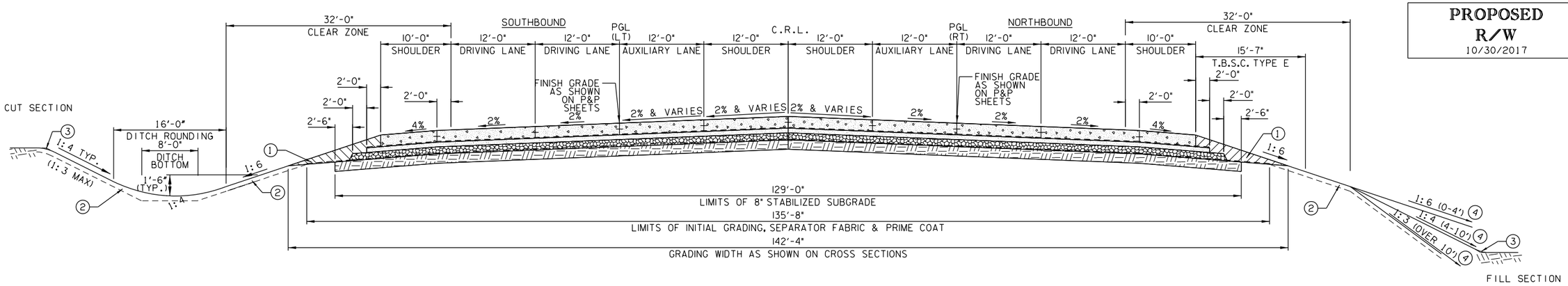
TYPICAL SECTIONS
SHEET 6 OF 18

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. 0008

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017



GILCREASE EXPRESSWAY - TYPICAL SECTION NO. 9

NOT TO SCALE

C.R.L. STA. 357+91.00 TO C.R.L. STA. 359+37.24 (NORTHBOUND)
C.R.L. STA. 357+91.00 TO C.R.L. STA. 359+17.29 (SOUTHBOUND)
C.R.L. STA. 364+73.26 TO C.R.L. STA. 368+00.00 (NORTHBOUND)
C.R.L. STA. 364+53.21 TO C.R.L. STA. 368+00.00 (SOUTHBOUND)

PAVEMENT REQUIREMENTS		
28" PAVT. STRUCTURE	DRIVING LANES	SHOULDERS
SURFACE COURSE	10" DOWEL JOINTED P.C. CONCRETE PAVEMENT	10" P.C. CONCRETE PAVEMENT
INTERMEDIATE COURSE	4" CEMENT TREATED BASE	4" CEMENT TREATED BASE
BASE COURSE	6" AGGREGATE BASE TYPE A	6" AGGREGATE BASE TYPE A
SUBGRADE	8" STABILIZED SUBGRADE	8" STABILIZED SUBGRADE

50% plans

(1) BACKFILL NOTE
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(3) SEE ROUNDING DETAIL ON SHEET 0021

(4) DISTANCE MEASURED VERTICALLY FROM EDGE OF FINISHED SHOULDER.

(5) CONSTRUCT F-SHAPED PARAPET. SEE DETAIL SHEET 0015 FOR REINFORCEMENT DETAILS.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

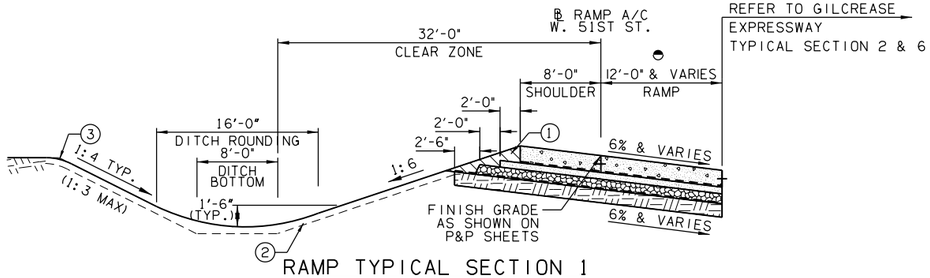
TYPICAL SECTIONS
SHEET 7 OF 18

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. 0009

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

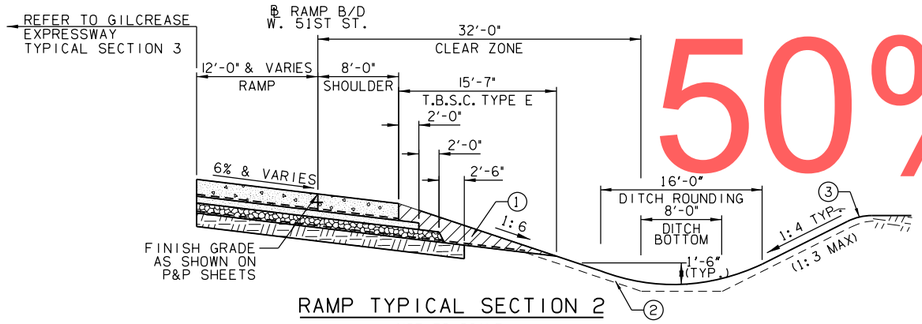


RAMP TYPICAL SECTION 1

NOT TO SCALE

- C.R.L. STA. 107+68.87 TO C.R.L. STA. 110+48.92 TRANS. - 12'-0" TO 15'-0"
- C.R.L. STA. 110+48.92 TO C.R.L. STA. 111+99.10 - 15'-0"
- C.R.L. STA. 129+09.71 TO C.R.L. STA. 132+58.02 TRANS. - 15'-0" TO 14'-0"
- C.R.L. STA. 130+00.00 TO C.R.L. STA. 132+58.02 TRANS. - 14'-0" TO 12'-0"
- C.R.L. STA. 132+58.02 TO C.R.L. STA. 136+00.00 - 12'-0"
- C.R.L. STA. 136+00.00 TO C.R.L. STA. 139+00.00 TRANS. - 12'-0" TO 0'-0"

PAVEMENT REQUIREMENTS		
28" PAVT. STRUCTURE	DRIVING LANES	SHOULDERS
SURFACE COURSE	10" DOWEL JOINTED P.C. CONCRETE PAVEMENT	10" P.C. CONCRETE PAVEMENT
INTERMEDIATE COURSE	4" CEMENT TREATED BASE	4" CEMENT TREATED BASE
BASE COURSE	6" AGGREGATE BASE TYPE A	6" AGGREGATE BASE TYPE A
SUBGRADE	8" STABILIZED SUBGRADE	8" STABILIZED SUBGRADE

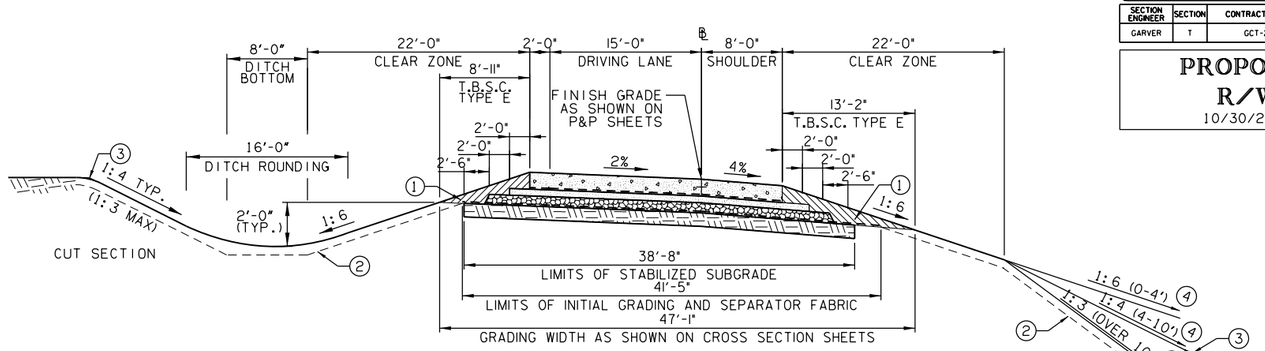


RAMP TYPICAL SECTION 2

NOT TO SCALE

C.R.L. STA. 113+00.00 TO C.R.L. STA. 115+86.69
C.R.L. STA. 127+28.42 TO C.R.L. STA. 130+00.00

PAVEMENT REQUIREMENTS		
28" PAVT. STRUCTURE	DRIVING LANES	SHOULDERS
SURFACE COURSE	10" DOWEL JOINTED P.C. CONCRETE PAVEMENT	10" P.C. CONCRETE PAVEMENT
INTERMEDIATE COURSE	4" CEMENT TREATED BASE	4" CEMENT TREATED BASE
BASE COURSE	6" AGGREGATE BASE TYPE A	6" AGGREGATE BASE TYPE A
SUBGRADE	8" STABILIZED SUBGRADE	8" STABILIZED SUBGRADE



RAMP TYPICAL SECTION NO. 3

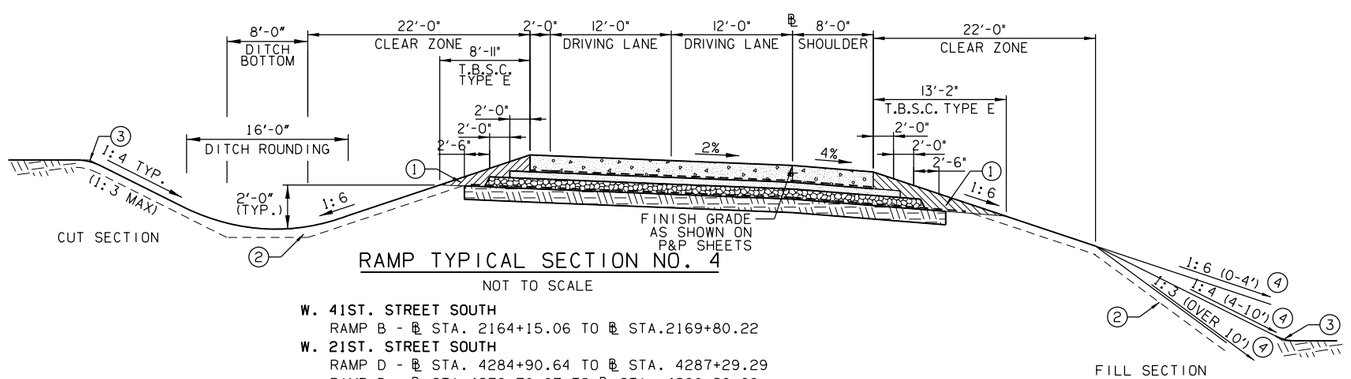
NOT TO SCALE

W. 51ST. STREET SOUTH
RAMP B - ℄ STA. 2115+64.15 TO ℄ STA. 2117+04.39
RAMP D - ℄ STA. 4120+62.00 TO ℄ STA. 4127+53.54

W. 41ST. STREET SOUTH
RAMP B - ℄ STA. 2157+70.98 TO ℄ STA. 2164+15.06
RAMP A - ℄ STA. 1160+07.99 TO ℄ STA. 1169+77.94
RAMP D - ℄ STA. 4170+35.60 TO ℄ STA. 4181+83.09
RAMP C - ℄ STA. 4187+07.07 TO ℄ STA. 3196+62.40

W. 21ST. STREET SOUTH
RAMP B - ℄ STA. 2260+06.85 TO ℄ STA. 2273+12.58
RAMP C - ℄ STA. 3263+23.53 TO ℄ STA. 3270+80.06

PAVEMENT REQUIREMENTS		
28" PAVT. STRUCTURE	DRIVING LANES	SHOULDERS
SURFACE COURSE	10" DOWEL JOINTED P.C. CONCRETE PAVEMENT	10" P.C. CONCRETE PAVEMENT
INTERMEDIATE COURSE	4" CEMENT TREATED BASE	4" CEMENT TREATED BASE
BASE COURSE	6" AGGREGATE BASE TYPE A	6" AGGREGATE BASE TYPE A
SUBGRADE	8" STABILIZED SUBGRADE	8" STABILIZED SUBGRADE



RAMP TYPICAL SECTION NO. 4

NOT TO SCALE

W. 41ST. STREET SOUTH
RAMP B - ℄ STA. 2164+15.06 TO ℄ STA.2169+80.22

W. 21ST. STREET SOUTH
RAMP D - ℄ STA. 4284+90.64 TO ℄ STA. 4287+29.29
RAMP D - ℄ STA.4278+70.67 TO ℄ STA. 4280+28.89
RAMP D - ℄ STA.4278+70.67 TO ℄ STA. 4279+64.00 TRANS. 12'-0" TO 26'-0"

PAVEMENT REQUIREMENTS		
28" PAVT. STRUCTURE	DRIVING LANES	SHOULDERS
SURFACE COURSE	10" DOWEL JOINTED P.C. CONCRETE PAVEMENT	10" P.C. CONCRETE PAVEMENT
INTERMEDIATE COURSE	4" CEMENT TREATED BASE	4" CEMENT TREATED BASE
BASE COURSE	6" AGGREGATE BASE TYPE A	6" AGGREGATE BASE TYPE A
SUBGRADE	8" STABILIZED SUBGRADE	8" STABILIZED SUBGRADE

(1) BACKFILL NOTE
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(2) TOPSOIL NOTE
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(3) SEE ROUNDING DETAIL ON SHEET 0021

(4) DISTANCE MEASURED VERTICALLY FROM EDGE OF FINISHED SHOULDER.

(5) CONSTRUCT F-SHAPED PARAPET. SEE DETAIL SHEET 0015 FOR REINFORCEMENT DETAILS.

50% plans

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

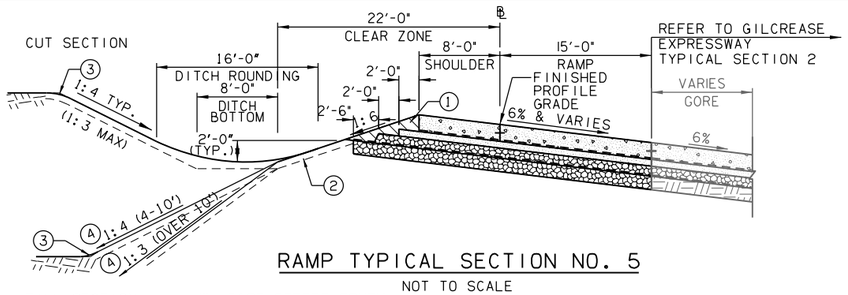
TYPICAL SECTIONS
SHEET 8 OF 18

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. 0010

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

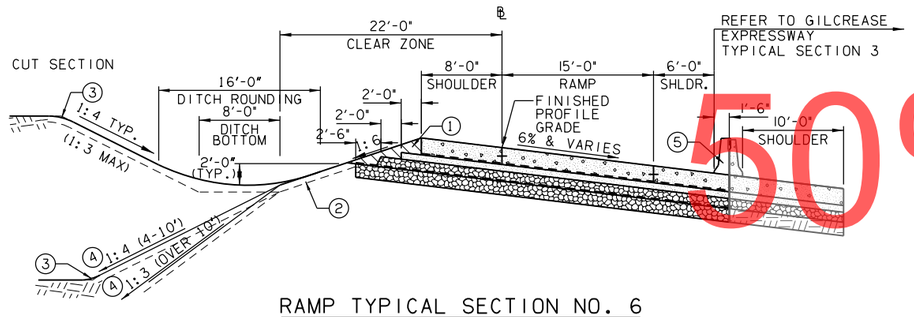


RAMP TYPICAL SECTION NO. 5

NOT TO SCALE

W. 51ST STREET SOUTH
RAMP C - ℄ STA. 3128+91.78 TO ℄ STA. 3121+07.28
RAMP A - ℄ STA. 1107+75.52 TO ℄ STA. 1112+18.67

PAVEMENT REQUIREMENTS		
28" PAVT. STRUCTURE	DRIVING LANES	SHOULDERS
SURFACE COURSE	10" DOWEL JOINTED P.C. CONCRETE PAVEMENT	10" P.C. CONCRETE PAVEMENT
INTERMEDIATE COURSE	4" CEMENT TREATED BASE	4" CEMENT TREATED BASE
BASE COURSE	6" AGGREGATE BASE TYPE A	6" AGGREGATE BASE TYPE A
SUBGRADE	8" STABILIZED SUBGRADE	8" STABILIZED SUBGRADE



RAMP TYPICAL SECTION NO. 6

NOT TO SCALE

W. 51ST STREET SOUTH
RAMP A - ℄ STA. 1112+18.67 TO ℄ STA. 1114+25.09

PAVEMENT REQUIREMENTS		
28" PAVT. STRUCTURE	DRIVING LANES	SHOULDERS
SURFACE COURSE	10" DOWEL JOINTED P.C. CONCRETE PAVEMENT	10" P.C. CONCRETE PAVEMENT
INTERMEDIATE COURSE	4" CEMENT TREATED BASE	4" CEMENT TREATED BASE
BASE COURSE	6" AGGREGATE BASE TYPE A	6" AGGREGATE BASE TYPE A
SUBGRADE	8" STABILIZED SUBGRADE	8" STABILIZED SUBGRADE

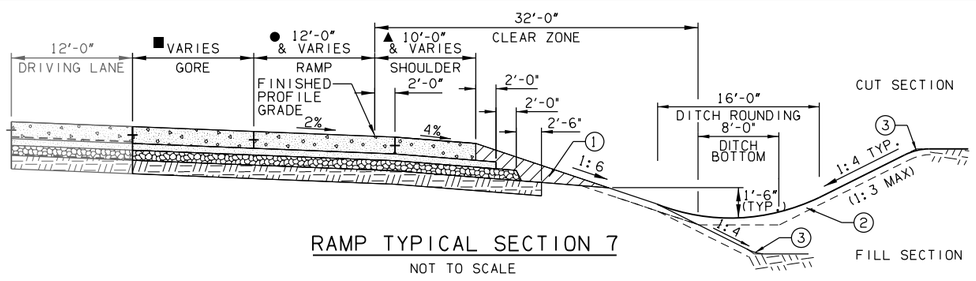
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2. TOPSOIL NOTE
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ALL EXCAVATED MATERIAL NOT REQUIRED IN THE PROJECT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF BY THE CONTRACTOR IN A MANNER ACCEPTABLE TO THE ENGINEER WITHOUT COST TO THE OWNER. THE CONTRACTOR WILL BE REQUIRED TO OBTAIN AN EARTH CHANGE PERMIT IF ANY MATERIAL IS STORED ON THE PROJECT SITE AND/OR DISPOSED OF WITHIN THE CITY LIMITS.

3. SEE ROUNDING DETAIL ON SHEET 0021

4. DISTANCE MEASURED VERTICALLY FROM EDGE OF FINISHED SHOULDER.

5. CONSTRUCT F-SHAPED PARAPET. SEE DETAIL SHEET 0015 FOR REINFORCEMENT DETAILS.



RAMP TYPICAL SECTION NO. 7

NOT TO SCALE

RAMP TYPICAL SECTION NO. 4

C.R.L. STA.	TO	C.R.L. STA.	TRANSITION
RAMP B-W. 41ST ST S.			
■ 154+00.26	TO	157+71.34	- 0'-0" TO 23'-2"
● 151+50.00	TO	154+00.26	- 0'-0" TO 15'-0"
● 154+00.26	TO	157+71.34	- 15'-0"
▲ 156+99.01	TO	157+71.34	- 10'-0" TO 8'-6"
RAMP D-W. 41ST ST S.			
■ 181+83.55	TO	184+80.00	- 22'-0" TO 0'-0"
● 181+83.55	TO	184+80.00	- 15'-0" TO 12'-0"
▲ 182+19.57	TO	182+68.97	- 8'-0" TO 10'-0"
RAMP A-W. 41ST ST S. (MIRROR)			
■ 157+00.00	TO	160+09.38	- 0'-0" TO 22'-0"
● 157+00.00	TO	159+23.33	- 12'-0" TO 15'-0"
● 159+23.33	TO	160+09.38	- 15'-0"
▲ 159+20.43	TO	159+70.04	- 10'-0" TO 8'-0"

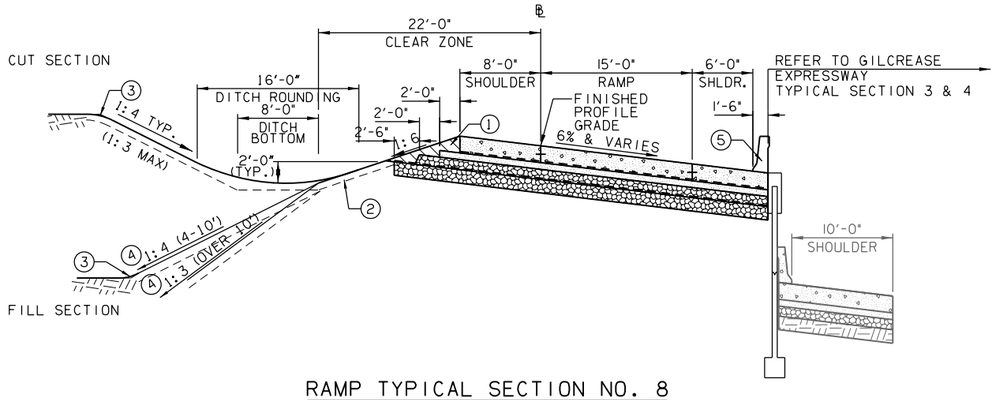
RAMP TYPICAL SECTION NO. 4

C.R.L. STA.	TO	C.R.L. STA.	TRANSITION
RAMP C-W. 41ST ST S. (MIRROR)			
■ 196+61.98	TO	201+56.11	- 22'-9" TO 0'-0"
● 196+61.98	TO	201+56.11	- 15'-0"
● 201+56.11	TO	205+00.00	- 15'-0" TO 0'-0"
▲ 196+61.98	TO	197+44.59	- 8'-6" TO 10'-0"
RAMP B-W. 21ST ST S.			
■ 256+94.27	TO	260+05.24	- 0'-0" TO 22'-0"
● 254+00.00	TO	256+94.27	- 0'-0" TO 15'-0"
● 256+94.27	TO	260+05.24	- 15'-0"
▲ 259+48.08	TO	260+05.24	- 10'-0" TO 8'-6"
RAMP C-W. 21ST ST S.			
■ 270+76.61	TO	272+00.00	- 22'-0" TO 0'-0"
● 270+76.61	TO	271+56.63	- 15'-0"
● 271+56.63	TO	272+00.00	- 15'-0" TO 12'-0"
▲ 270+76.61	TO	271+17.55	- 8'-6" TO 10'-0"

RAMP TYPICAL SECTION NO. 4

C.R.L. STA.	C.R.L. STA.	TRANSITION
RAMP A-W. 21ST ST S.		
■ 278+43.50	TO 279+72.65	- 0'-0" TO 22'-0"
● 278+43.50	TO 278+88.85	- 12'-0" TO 15'-0"
● 278+88.85	TO 279+72.65	- 15'-0"
▲ 279+45.58	TO 279+72.65	- 10'-0" TO 8'-6"
RAMP D-W. 21ST ST S. (MIRROR)		
■ 287+23.07	TO 288+13.70	- 28'-8" TO 0'-0"
● 287+23.07	TO 288+13.70	- 24'-0"
● 288+13.70	TO 288+66.90	- 24'-0" TO 15'-8"

PAVEMENT REQUIREMENTS		
28" PAVT. STRUCTURE	DRIVING LANES	SHOULDERS
SURFACE COURSE	10" DOWEL JOINTED P.C. CONCRETE PAVEMENT	10" P.C. CONCRETE PAVEMENT
INTERMEDIATE COURSE	4" CEMENT TREATED BASE	4" CEMENT TREATED BASE
BASE COURSE	6" AGGREGATE BASE TYPE A	6" AGGREGATE BASE TYPE A
SUBGRADE	8" STABILIZED SUBGRADE	8" STABILIZED SUBGRADE



RAMP TYPICAL SECTION NO. 8

NOT TO SCALE

W. 51ST STREET SOUTH
RAMP A - ℄ STA. 1114+25.09 TO ℄ STA. 1120+65.00

PAVEMENT REQUIREMENTS		
28" PAVT. STRUCTURE	DRIVING LANES	SHOULDERS
SURFACE COURSE	10" DOWEL JOINTED P.C. CONCRETE PAVEMENT	10" P.C. CONCRETE PAVEMENT
INTERMEDIATE COURSE	4" CEMENT TREATED BASE	4" CEMENT TREATED BASE
BASE COURSE	6" AGGREGATE BASE TYPE A	6" AGGREGATE BASE TYPE A
SUBGRADE	8" STABILIZED SUBGRADE	8" STABILIZED SUBGRADE

50% plans

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

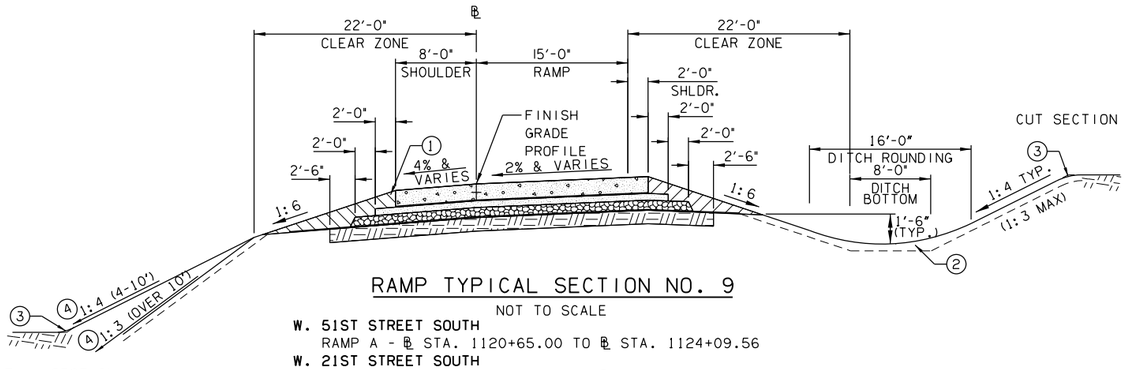
TYPICAL SECTIONS
SHEET 9 OF 18

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. 0011

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017



RAMP TYPICAL SECTION NO. 9

NOT TO SCALE

W. 51ST STREET SOUTH
RAMP A - ℄ STA. 1120+65.00 TO ℄ STA. 1124+09.56

W. 21ST STREET SOUTH
RAMP A - ℄ STA. 1279+69.67 TO ℄ STA. 1286+33.44

PAVEMENT REQUIREMENTS		
28" PAVT. STRUCTURE	DRIVING LANES	SHOULDERS
SURFACE COURSE	10" DOWEL JOINTED P.C. CONCRETE PAVEMENT	10" P.C. CONCRETE PAVEMENT
INTERMEDIATE COURSE	4" CEMENT TREATED BASE	4" CEMENT TREATED BASE
BASE COURSE	6" AGGREGATE BASE TYPE A	6" AGGREGATE BASE TYPE A
SUBGRADE	8" STABILIZED SUBGRADE	8" STABILIZED SUBGRADE

(1) BACKFILL NOTE
THIS AREA IS TO BE BACKFILLED AND COMPACTED AS PART OF FINISHING OPERATIONS. MATERIAL SHALL BE T.B.S.C. TYPE E AND PAID FOR BASED ON THEORETICAL CROSS SECTION.

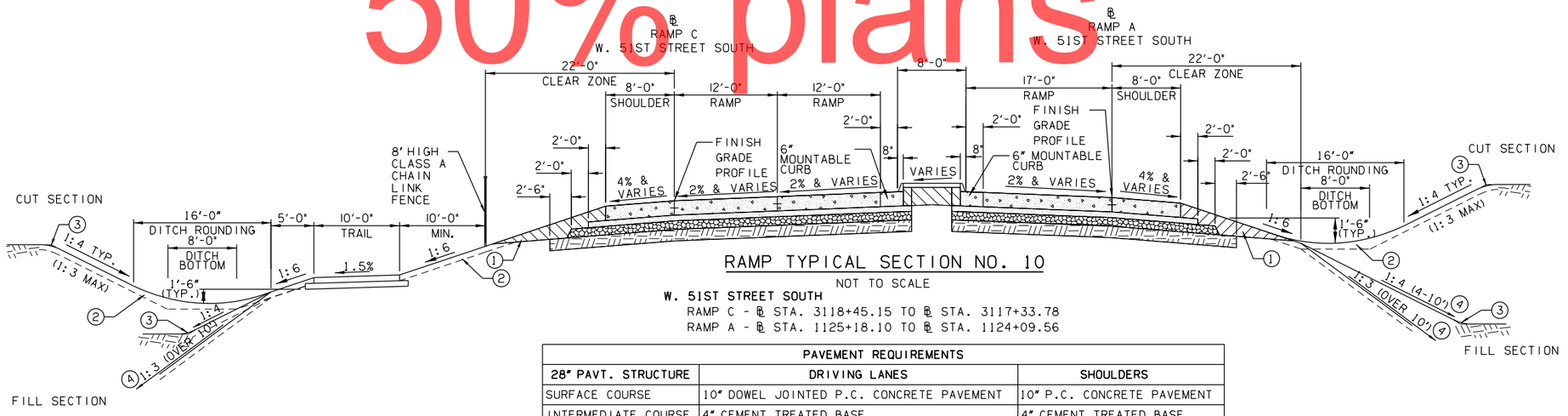
(2) TOPSOIL NOTE
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(3) SEE ROUNDING DETAIL ON SHEET 0021

(4) DISTANCE MEASURED VERTICALLY FROM EDGE OF FINISHED SHOULDER.

(5) CONSTRUCT F-SHAPED PARAPET. SEE DETAIL SHEET 0015 FOR REINFORCEMENT DETAILS.

50% plans



RAMP TYPICAL SECTION NO. 10

NOT TO SCALE

W. 51ST STREET SOUTH
RAMP C - ℄ STA. 3118+45.15 TO ℄ STA. 3117+33.78
RAMP A - ℄ STA. 1125+18.10 TO ℄ STA. 1124+09.56

PAVEMENT REQUIREMENTS		
28" PAVT. STRUCTURE	DRIVING LANES	SHOULDERS
SURFACE COURSE	10" DOWEL JOINTED P.C. CONCRETE PAVEMENT	10" P.C. CONCRETE PAVEMENT
INTERMEDIATE COURSE	4" CEMENT TREATED BASE	4" CEMENT TREATED BASE
BASE COURSE	6" AGGREGATE BASE TYPE A	6" AGGREGATE BASE TYPE A
SUBGRADE	8" STABILIZED SUBGRADE	8" STABILIZED SUBGRADE

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

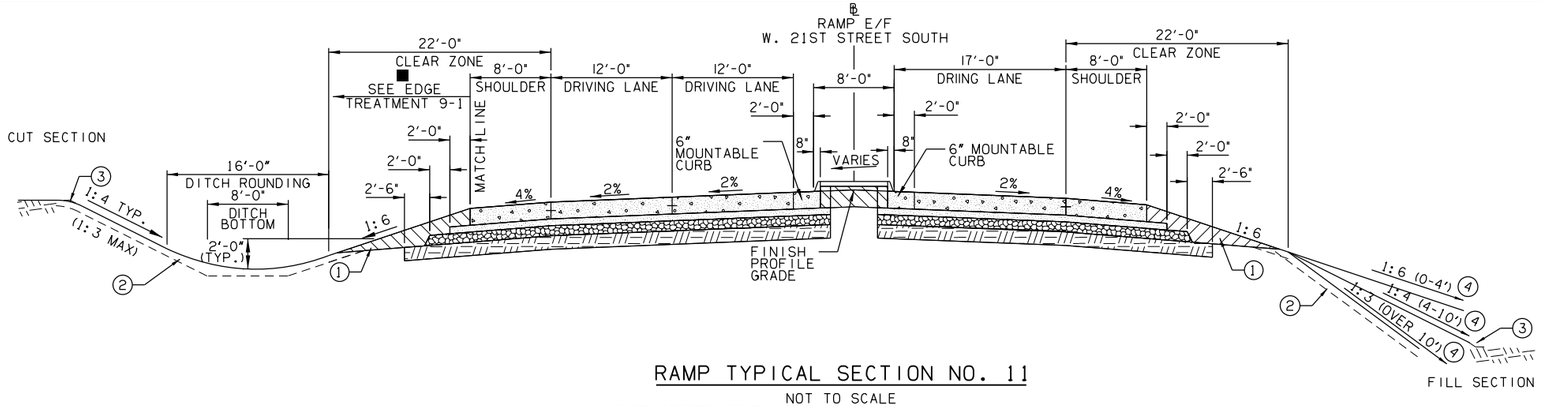
TYPICAL SECTIONS
SHEET 10 OF 18

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17	DATE: 10/30/2017	SHEET NO. 0012
CHECKED	NAB	10/17		

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED
R/W
10/30/2017



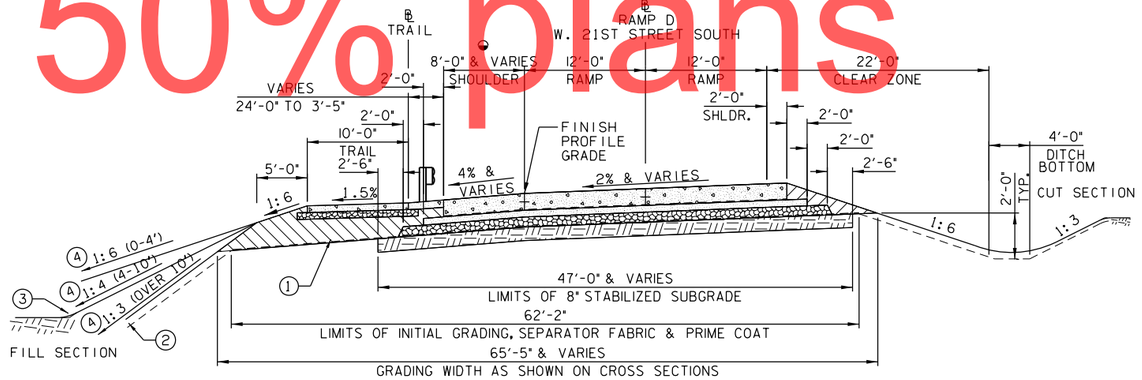
RAMP TYPICAL SECTION NO. 11

NOT TO SCALE

W. 21ST STREET SOUTH
RAMP F - ℄ STA. 10+00.00 TO ℄ STA. 12+89.16 (OPPOSITE HAND)
W. 21ST STREET SOUTH
RAMP E - ℄ STA. 10+31.60 TO ℄ STA. 13+45.34

PAVEMENT REQUIREMENTS		
28" PAVT. STRUCTURE	DRIVING LANES	SHOULDERS
SURFACE COURSE	10" DOWEL JOINTED P.C. CONCRETE PAVEMENT	10" P.C. CONCRETE PAVEMENT
INTERMEDIATE COURSE	4" CEMENT TREATED BASE	4" CEMENT TREATED BASE
BASE COURSE	6" AGGREGATE BASE TYPE A	6" AGGREGATE BASE TYPE A
SUBGRADE	8" STABILIZED SUBGRADE	8" STABILIZED SUBGRADE

50% plans



RAMP TYPICAL SECTION NO. 12

NOT TO SCALE

W. 21ST STREET SOUTH
RAMP D - ℄ STA. 4278+70.67 TO ℄ STA. 4278+73.67
RAMP D - ℄ STA. 4284+90.64 TO ℄ STA. 4288+66.52
◒ RAMP D - ℄ STA. 4286+86.37 TO ℄ STA. 4288+65.52 TRANS. 8'-0" TO 10'-0"

PAVEMENT REQUIREMENTS		
28" PAVT. STRUCTURE	DRIVING LANES	SHOULDERS
SURFACE COURSE	10" DOWEL JOINTED P.C. CONCRETE PAVEMENT	10" P.C. CONCRETE PAVEMENT
INTERMEDIATE COURSE	4" CEMENT TREATED BASE	4" CEMENT TREATED BASE
BASE COURSE	6" AGGREGATE BASE TYPE A	6" AGGREGATE BASE TYPE A
SUBGRADE	8" STABILIZED SUBGRADE	8" STABILIZED SUBGRADE

(1) BACKFILL NOTE
THIS AREA IS TO BE BACKFILLED AND COMPACTED AS PART OF FINISHING OPERATIONS. MATERIAL SHALL BE T.B.S.C. TYPE E AND PAID FOR BASED ON THEORETICAL CROSS SECTION.

(2) TOPSOIL NOTE
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(3) SEE ROUNDING DETAIL ON SHEET 0021

(4) DISTANCE MEASURED VERTICALLY FROM EDGE OF FINISHED SHOULDER.

(5) CONSTRUCT F-SHAPED PARAPET. SEE DETAIL SHEET 0015 FOR REINFORCEMENT DETAILS.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

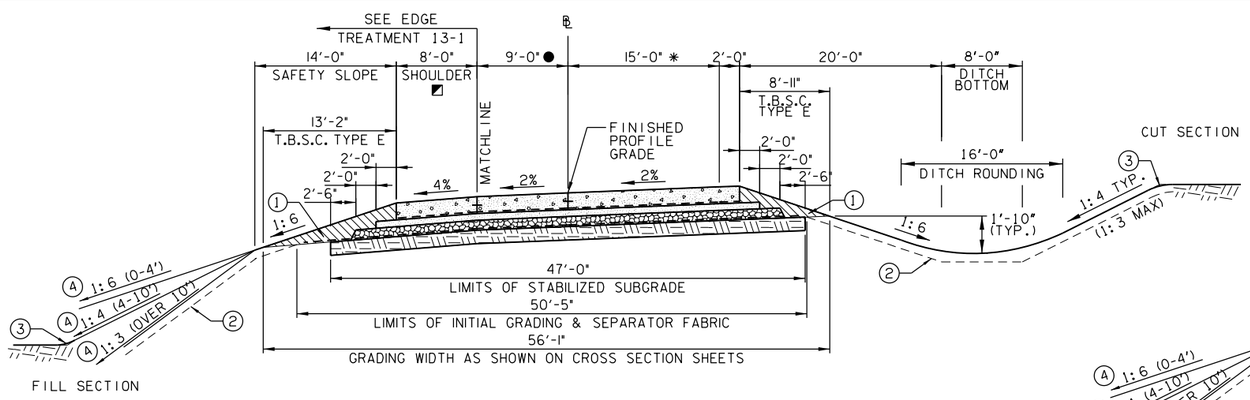
TYPICAL SECTIONS
SHEET 11 OF 18

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. 0013

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017



RAMP TYPICAL SECTION NO. 13

NOT TO SCALE

NORTH C-D ROAD STA. 6333+07.00 TO STA. 6372+00.27
KEYSTONE RAMP A-SOUTH 65TH W. AVE. STA. 1324+58.25 TO STA. 1340+12.89
KEYSTONE RAMP D-NORTH 49TH W. AVE. STA. 4361+45.44 TO STA. 4379+66.77

PAVEMENT REQUIREMENTS		
28" PAVT. STRUCTURE	DRIVING LANES	SHOULDERS
SURFACE COURSE	10" DOWEL JOINTED P.C. CONCRETE PAVEMENT	10" P.C. CONCRETE PAVEMENT
INTERMEDIATE COURSE	4" CEMENT TREATED BASE	4" CEMENT TREATED BASE
BASE COURSE	6" AGGREGATE BASE TYPE A	6" AGGREGATE BASE TYPE A
SUBGRADE	8" STABILIZED SUBGRADE	8" STABILIZED SUBGRADE

* KEYSTONE EXPRESSWAY RAMP A-SOUTH 65TH W. AVE.
℄ STA. 1336+39.37 TO ℄ STA. 1339+46.89, TRANS. 15'-0" TO 9'-0"
℄ STA. 1339+46.89 TO ℄ STA. 1340+12.89, 9'-0"

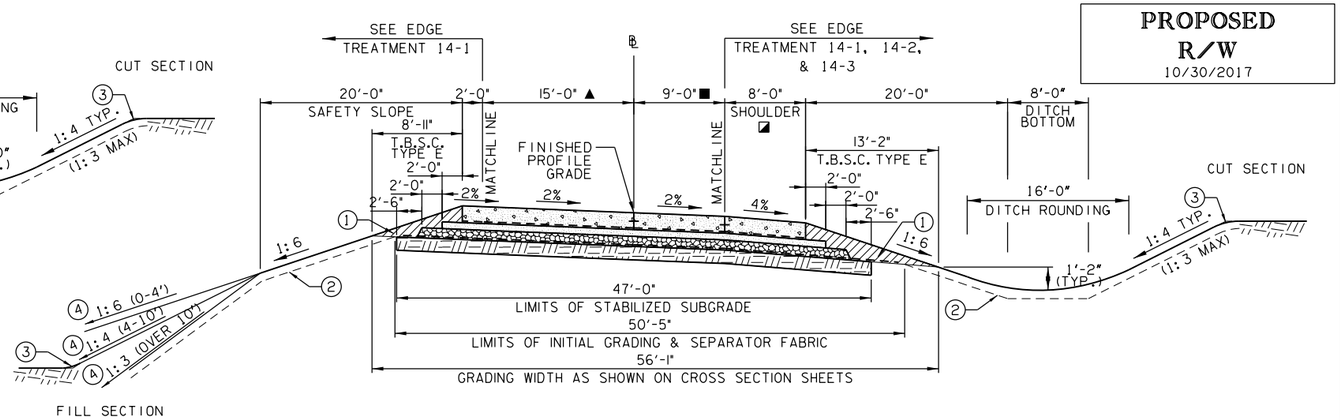
* KEYSTONE EXPRESSWAY RAMP D-NORTH 49TH W. AVE.
℄ STA. 4361+48.44 TO ℄ STA. 4362+15.94, 9'-0"
℄ STA. 4362+15.94 TO ℄ STA. 4363+30.22, TRANS. 9'-0" TO 15'-0"

● NORTH C-D ROAD
℄ STA. 6333+07.00 TO ℄ STA. 6340+12.89, 0'-0"
℄ STA. 6340+12.89 TO ℄ STA. 6351+18.91, 9'-0"
℄ STA. 6354+81.25 TO ℄ STA. 6361+45.44, 9'-0"
℄ STA. 6361+45.44 TO ℄ STA. 6372+00.27, 0'-0"

● KEYSTONE RAMP EXPRESSWAY A-SOUTH 65TH W. AVE.
℄ STA. 1324+58.25 TO ℄ STA. 1340+12.89, 0'-0"

● KEYSTONE EXPRESSWAY RAMP D-NORTH 49TH W. AVE
℄ STA. 4361+45.44 TO ℄ STA. 4379+66.77, 0'-0"

◪ NORTH C-D ROAD
℄ STA. 6366+67.68 TO ℄ STA. 6367+67.68, TRANS. 8'-0" TO 10'-0"
℄ STA. 6367+67.68 TO ℄ STA. 6372+00.27, 10'-0"



RAMP TYPICAL SECTION NO. 14

NOT TO SCALE

SOUTH C-D ROAD ℄ STA. 5329+90.75 TO STA. ℄ STA. 5365+94.68
KEYSTONE EXPRESSWAY RAMP B-SOUTH 65TH W. AVE.℄ STA. 2320+44.63 TO ℄ STA. 2338+94.00
KEYSTONE EXPRESSWAY RAMP C-NORTH 49TH W. AVE.℄ STA. 3357+94.62 TO ℄ STA. 3377+15.98

PAVEMENT REQUIREMENTS		
28" PAVT. STRUCTURE	DRIVING LANES	SHOULDERS
SURFACE COURSE	10" DOWEL JOINTED P.C. CONCRETE PAVEMENT	10" P.C. CONCRETE PAVEMENT
INTERMEDIATE COURSE	4" CEMENT TREATED BASE	4" CEMENT TREATED BASE
BASE COURSE	6" AGGREGATE BASE TYPE A	6" AGGREGATE BASE TYPE A
SUBGRADE	8" STABILIZED SUBGRADE	8" STABILIZED SUBGRADE

◪ SOUTH C-D ROAD
℄ STA. 5329+90.75 TO ℄ STA. 5333+55.11, 10'-0"
℄ STA. 5333+95.11 TO ℄ STA. 5334+55.11, TRANS. 10'-0" TO 8'-0"
℄ STA. 5363+47.54 TO ℄ STA. 5363+97.54, TRANS. 8'-0" TO 10'-0"
℄ STA. 5363+97.54 TO ℄ STA. 5365+94.68, 10'-0"

■ SOUTH C-D ROAD
℄ STA. 5329+90.75 TO ℄ STA. 5338+94.00, 0'-0"
℄ STA. 5338+94.00 TO ℄ STA. 5344+74.31, 9'-0"
℄ STA. 5348+34.75 TO ℄ STA. 5357+94.62, 9'-0"
℄ STA. 5357+94.62 TO ℄ STA. 5365+94.68, 0'-0"

■ KEYSTONE EXPRESSWAY RAMP B-SOUTH 65TH W. AVE.
℄ STA. 2320+44.63 TO ℄ STA. 2338+94.00, 0'-0"

■ KEYSTONE EXPRESSWAY RAMP C-NORTH 49THW. AVE.
℄ STA. 3359+94.62 TO ℄ STA. 3377+15.98, 0'-0"

▲ KEYSTONE EXPRESSWAY RAMP B-SOUTH 65TH W. AVE.
℄ STA. 2337+04.97 TO ℄ STA. 2338+35.97, TRANS. 15'-0" TO 9'-0"
℄ STA. 2338+35.97 TO ℄ STA. 2338+94.00, 9'-0"

▲ KEYSTONE EXPRESSWAY RAMP C-NORTH 49TH W. AVE.
℄ STA. 3357+94.62 TO ℄ STA. 3358+69.62, 9'-0"
℄ STA. 3358+69.62 TO ℄ STA. 3360+03.72, TRANS. 9'-0" TO 15'-0"

(1) BACKFILL NOTE
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(2) TOPSOIL NOTE
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(3) SEE ROUNDING DETAIL ON SHEET 0021

(4) DISTANCE MEASURED VERTICALLY FROM EDGE OF FINISHED SHOULDER.

(5) CONSTRUCT F-SHAPED PARAPET. SEE DETAIL SHEET 0015 FOR REINFORCEMENT DETAILS.

50% plans

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

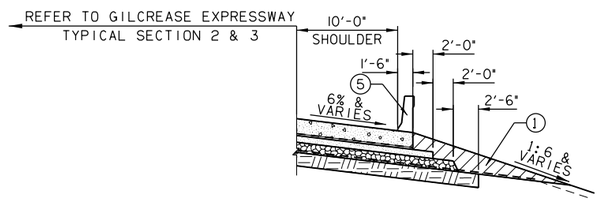
TYPICAL SECTIONS
SHEET 12 OF 18

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. 0014

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

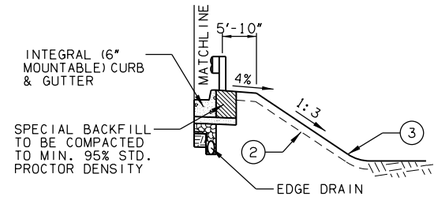
PROPOSED R/W
10/30/2017



EDGE TREATMENT 2-1

C.R.L. STYA. 109+50.00 TO C.R.L. STA. 113+00.00

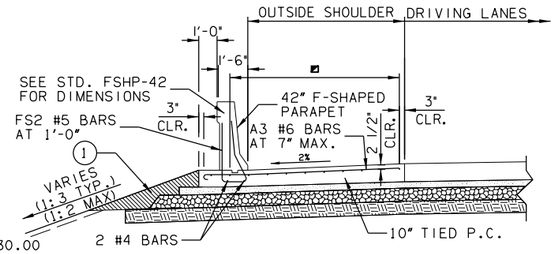
28" PAVT. STRUCTURE	SHOULDERS
SURFACE COURSE	10" P.C. CONCRETE PAVEMENT
INTERMEDIATE COURSE	4" CEMENT TREATED BASE
BASE COURSE	6" AGGREGATE BASE TYPE A
SUBGRADE	8" STABILIZED SUBGRADE



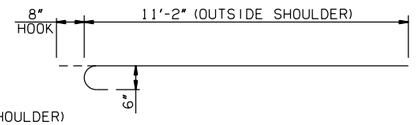
EDGE TREATMENT 14-1

NOT TO SCALE

KEYSTONE EXPRESSWAY RAMP B-SOUTH 65TH W. AVE. STA. 2320+44.63 TO STA. 2324+30.00



■ 12-#4 BARS EQ. SPACED (TOP ONLY)(OUTSIDE SHOULDER)



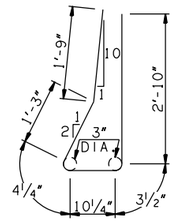
A3 #6 x 11'-10" (OUTSIDE SHOULDER)

EDGE TREATMENT 14-2

NOT TO SCALE

KEYSTONE EXPRESSWAY RAMP B-65TH W. AVE. ℄STA. 2323+49.16 TO ℄STA. 2324+99.46

28" PAVT. STRUCTURE	SHOULDERS
SURFACE COURSE	10" P.C. CONCRETE PAVEMENT
INTERMEDIATE COURSE	4" CEMENT TREATED BASE
BASE COURSE	6" AGGREGATE BASE TYPE A
SUBGRADE	8" STABILIZED SUBGRADE



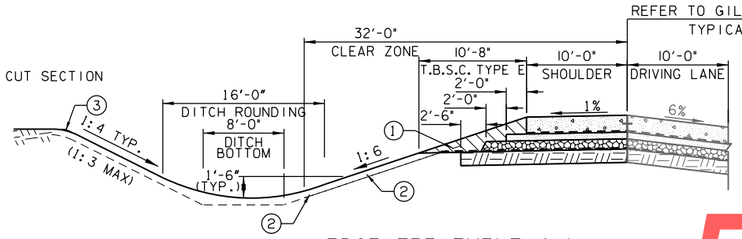
FS2 #5 x 7'-4"

NOTES:

ALL REINFORCING STEEL IN 42" F-SHAPED PARAPET AND SHOULDER SHALL BE EPOXY COATED.

ALL REINFORCING STEEL SHALL BE INCLUDED IN PRICE OF "42" F-SHAPED PARAPET".

NO LONGITUDINAL SAWCUT TYPE JOINTS SHALL BE PLACED ACROSS SHOULDER REINFORCING STEEL. MAXIMUM DEPTH OF TRANSVERSE SAWCUT TO BE 2"



EDGE TREATMENT 4-1

NOT TO SCALE

C.R.L. STA. 118+89.43 TO C.R.L. STA. 129+09.71

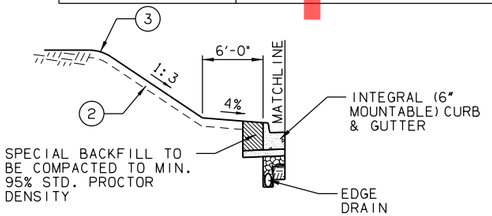
28" PAVT. STRUCTURE	SHOULDERS
SURFACE COURSE	10" P.C. CONCRETE PAVEMENT
INTERMEDIATE COURSE	4" CEMENT TREATED BASE
BASE COURSE	6" AGGREGATE BASE TYPE A
SUBGRADE	8" STABILIZED SUBGRADE

EDGE TREATMENT 14-3

NOT TO SCALE

KEYSTONE EXPRESSWAY STA. 325+12.86 TO STA. 329+91.32
SOUTH C-D STA. 5329+90.75 TO STA. 5334+19.42
KEYSTONE RAMP B-65TH STA. 2324+99.46 TO STA. 2334+14.61

28" PAVT. STRUCTURE	SHOULDERS
SURFACE COURSE	10" P.C. CONCRETE PAVEMENT
INTERMEDIATE COURSE	4" CEMENT TREATED BASE
BASE COURSE	6" AGGREGATE BASE TYPE A
SUBGRADE	8" STABILIZED SUBGRADE

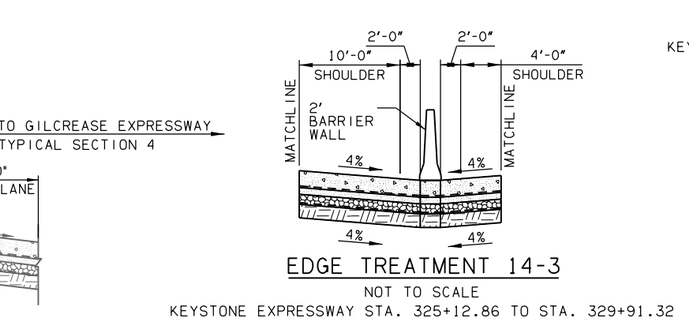


EDGE TREATMENT 13-1

NOT TO SCALE

KEYSTONE EXPRESSWAY

RAMP C-NORTH 49TH W. AVE. ℄ STA. 3370+70.00 TO ℄ STA. 3377+15.98 (MIRROR)
RAMP C-NORTH 49TH W. AVE. ℄ STA. 3370+00.00 TO ℄ STA. 3377+15.98
RAMP D-NORTH 49TH W. AVE. ℄ STA. 4374+00.00 TO ℄ STA. 4379+66.77 (MIRROR)
RAMP D-NORTH 49TH W. AVE. ℄ STA. 4376+00.00 TO ℄ STA. 4379+66.77

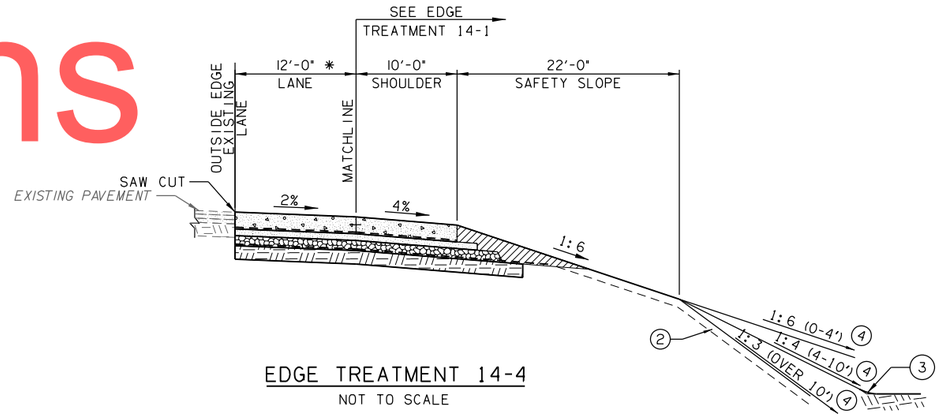


EDGE TREATMENT 9-1

NOT TO SCALE

RAMP F W. 21ST STREET SOUTH

■℄ STA. 10+65.82 TO ℄ STA. 13+45.34



EDGE TREATMENT 14-4

NOT TO SCALE

KEYSTONE EXPRESSWAY C.R.L. STA. 319+20.00 TO C.R.L. STA. 329+91.32
KEYSTONE EXPRESSWAY STA. C.R.L. STA. 324+60.00 TO STA. C.R.L. STA. 333+06.33, (MIRROR)
KEYSTONE EXPRESSWAY STA. C.R.L. STA. 366+45.00 TO STA. C.R.L. STA. 375+25.00, RT.
KEYSTONE EXPRESSWAY STA. C.R.L. STA. 369+96.33 TO STA. C.R.L. STA. 377+46.96, (MIRROR)

* KEYSTONE EXPRESSWAY C.R.L. STA. 319+20.00 TO C.R.L. STA. 322+20.00 TRANS. 0'-0" TO 12'-0"
KEYSTONE EXPRESSWAY C.R.L. STA. 324+60.00 TO C.R.L. STA. 327+60.00 TRANS. 0'-0" TO 12'-0"
KEYSTONE EXPRESSWAY C.R.L. STA. 372+25.00 TO C.R.L. STA. 375+25.00 TRANS. 12'-0" TO 0'-0"
KEYSTONE EXPRESSWAY C.R.L. STA. 374+46.96 TO C.R.L. STA. 377+46.96 TRANS. 12'-0" TO 0'-0"

28" PAVT. STRUCTURE	DRIVING LANES	SHOULDERS
SURFACE COURSE	10" DOWEL JOINTED P.C. CONCRETE PAVEMENT	10" P.C. CONCRETE PAVEMENT
INTERMEDIATE COURSE	4" CEMENT TREATED BASE	4" CEMENT TREATED BASE
BASE COURSE	6" AGGREGATE BASE TYPE A	6" AGGREGATE BASE TYPE A
SUBGRADE	8" STABILIZED SUBGRADE	8" STABILIZED SUBGRADE

(1) BACKFILL NOTE
THIS AREA IS TO BE BACKFILLED AND COMPACTED AS PART OF FINISHING OPERATIONS. MATERIAL SHALL BE T.B.S.C. TYPE E AND PAID FOR BASED ON THEORETICAL CROSS SECTION.

(2) TOPSOIL NOTE
THE CONTRACTOR SHALL STRIP ALL OF THE AVAILABLE TOPSOIL, STOCKPILE IT, AND PLACE IT BACK ON THE SECTION IN ACCORDANCE WITH SECTION 205 OF THE STANDARD SPECIFICATIONS. RESERVED TOPSOIL SHALL BE SPREAD APPROX. 5" THICK FIRST ON THE COMPLETED SLOPES OF THE CUT SECTIONS AND THE REMAINDER ON COMPLETED FILL SLOPES OR OTHER PRIORITY AREAS LOCATED BY THE ENGINEER.
THE GRADING LINE AS SHOWN ON THE TYPICAL AND CROSS SECTIONS IS TO THE TOP OF TOPSOIL. EARTHWORK QUANTITIES WERE NOT ADJUSTED FOR SALVAGED TOPSOIL AND THE TOPSOIL QUANTITY IS INCLUDED IN THE MASS LINE BALANCE AND EARTHWORK SUMMARY.
ALL EXCAVATED MATERIAL NOT REQUIRED IN THE PROJECT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF BY THE CONTRACTOR IN A MANNER ACCEPTABLE TO THE ENGINEER WITHOUT COST TO THE OWNER. THE CONTRACTOR WILL BE REQUIRED TO OBTAIN AN EARTH CHANGE PERMIT IF ANY MATERIAL IS STORED ON THE PROJECT SITE AND/OR DISPOSED OF WITHIN THE CITY LIMITS.

(3) SEE ROUNDING DETAIL ON SHEET 0021

(4) DISTANCE MEASURED VERTICALLY FROM EDGE OF FINISHED SHOULDER.

(5) CONSTRUCT F-SHAPED PARAPET. SEE DETAIL SHEET 0015 FOR REINFORCEMENT DETAILS.

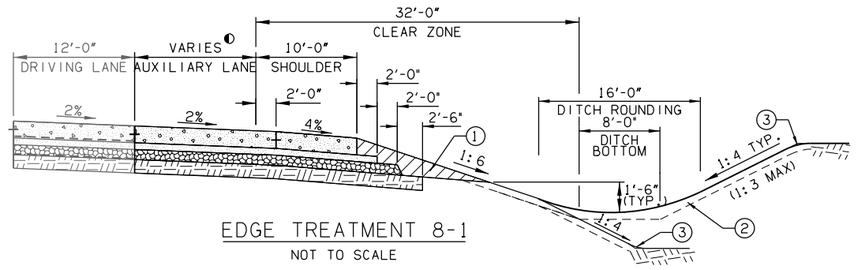
OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

EDGE TREATMENT
SHEET 13 OF 18

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. 0015

50% plans



EDGE TREATMENT 8-1

NOT TO SCALE

PAVEMENT REQUIREMENTS		
28" PAVT. STRUCTURE	DRIVING LANES	SHOULDERS
SURFACE COURSE	10" DOWEL JOINTED P.C. CONCRETE PAVEMENT	10" P.C. CONCRETE PAVEMENT
INTERMEDIATE COURSE	4" CEMENT TREATED BASE	4" CEMENT TREATED BASE
BASE COURSE	6" AGGREGATE BASE TYPE A	6" AGGREGATE BASE TYPE A
SUBGRADE	8" STABILIZED SUBGRADE	8" STABILIZED SUBGRADE

C.R.L. STA. TO C.R.L. STA. TRANSITION

RAMP D W. 41ST ST S.

◐ 184+80.00 TO 190+60.00 - 12'-0"

◐ 190+60.00 TO 193+60.00 - 12'-0" TO 0'-0"

RAMP A W. 41ST ST S.

◐ 148+20.00 TO 151+20.00 - 0'-0" TO 12'-0"

◐ 151+20.00 TO 157+00.00 - 12'-0"

RAMP C W. 21ST ST S.

272+00.00 TO 274+56.68 - 12'-0"

277+48.33 TO 281+00.37 - 12'-0"

284+84.57 TO 285+50.00 - 12'-0"

285+50.00 TO 288+50.00 - 12'-0" TO 0'-0"

RAMP A W. 21ST ST S.

263+13.50 TO 266+13.50 - 0'-0" TO 12'-0"

266+13.50 TO 274+75.25 - 12'-0"

277+65.07 TO 278+43.50 - 12'-0"

KEYSTONE EXPRESSWAY SOUTH C-D ROAD

345+85.00 TO 347+65.00 - 0'-0" TO 10'-0"

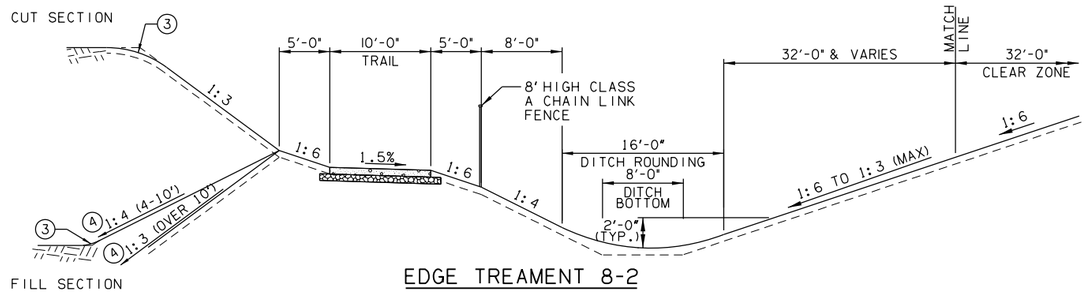
347+65.00 TO 349+85.22 - 12'-0"

355+32.76 TO 357+28.14 - 12'-0"

KEYSTONE EXPRESSWAY SOUTH C-D ROAD (MIRROR)

338+74.92 TO 349+46.05 - 12'-0"

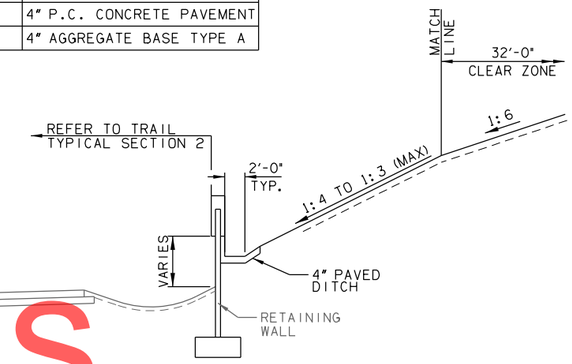
354+91.99 TO 355+95.77 - 12'-0"



EDGE TREAMENT 8-2

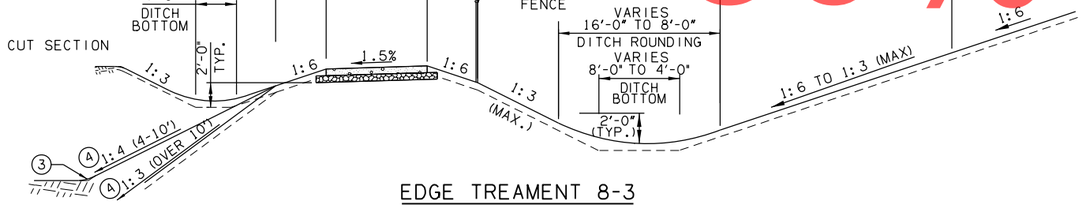
C.R.L. STA. 197+90.00 TO C.R.L. STA. 207+00.00

PAVT. STRUCTURE	TRAIL
SURFACE COURSE	4" P.C. CONCRETE PAVEMENT
BASE COURSE	4" AGGREGATE BASE TYPE A



EDGE TREAMENT 8-4

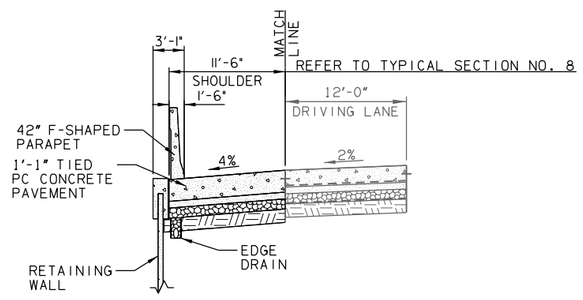
C.R.L. STA. 229+50.00 TO C.R.L. STA. 232+90.74



EDGE TREAMENT 8-3

C.R.L. STA. 208+75.00 TO C.R.L. STA. 221+76.67
C.R.L. STA. 223+93.33 TO C.R.L. STA. 229+50.00

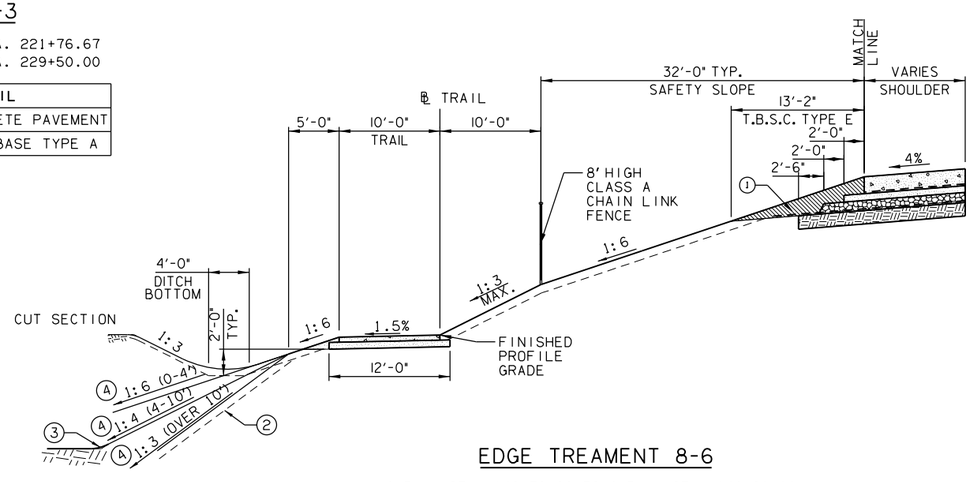
PAVT. STRUCTURE	TRAIL
SURFACE COURSE	4" P.C. CONCRETE PAVEMENT
BASE COURSE	4" AGGREGATE BASE TYPE A



EDGE TREAMENT 8-5

C.R.L. STA. 268+00.00 TO C.R.L. STA. 274+75.25

PAVT. STRUCTURE	TRAIL
SURFACE COURSE	4" P.C. CONCRETE PAVEMENT
BASE COURSE	4" AGGREGATE BASE TYPE A



EDGE TREAMENT 8-6

C.R.L. STA. 146+70.00 TO C.R.L. STA. 148+20.00
C.R.L. STA. 207+00.00 TO C.R.L. STA. 208+75.00
C.R.L. STA. 306+22.44 TO C.R.L. STA. 323+60.00

PAVT. STRUCTURE	TRAIL
SURFACE COURSE	4" P.C. CONCRETE PAVEMENT
BASE COURSE	4" AGGREGATE BASE TYPE A

(1) BACKFILL NOTE
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(2) TOPSOIL NOTE
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(3) SEE ROUNDING DETAIL ON SHEET 0021

(4) DISTANCE MEASURED VERTICALLY FROM EDGE OF FINISHED SHOULDER.

(5) CONSTRUCT F-SHAPED PARAPET.SEE DETAIL SHEET 0015 FOR REINFORCEMENT DETAILS.

50% plans

OKLAHOMA TURNPIKE AUTHORITY

SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

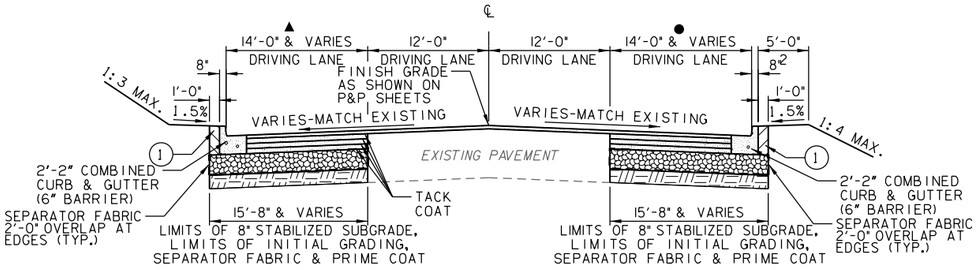
EDGE TREATMENT
SHEET 14 OF 18

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. 0016

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017



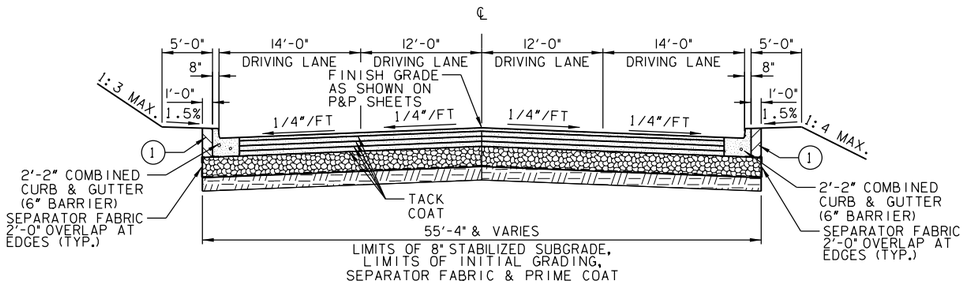
W. 51ST. STREET SOUTH
TYPICAL SECTION NO. 1

NOT TO SCALE

℄ STA. 515+80.00 TO ℄ STA. 520+00.00

▲ ℄ STA. 515+80.00 TO ℄ STA. 520+00.00 - TRANS. 1'-0" TO 14'-0"
● ℄ STA. 515+80.00 TO ℄ STA. 518+10.00 - 0'-0"
● ℄ STA. 518+10.00 TO ℄ STA. 520+00.00 - TRANS. 0'-0" TO 14'-0"

PAVT. STRUCTURE	DRIVING LANES
SURFACE COURSE	2" TYPE S4 (PG 70-28 OK)
INTERMEDIATE COURSE	3" TYPE S3 (PG 70-28 OK)
	3" TYPE S3 (PG 64-22 OK)(2 LIFTS)
BASE COURSE	12" AGGREGATE BASE TYPE A
SUBGRADE	8" STABILIZED SUBGRADE

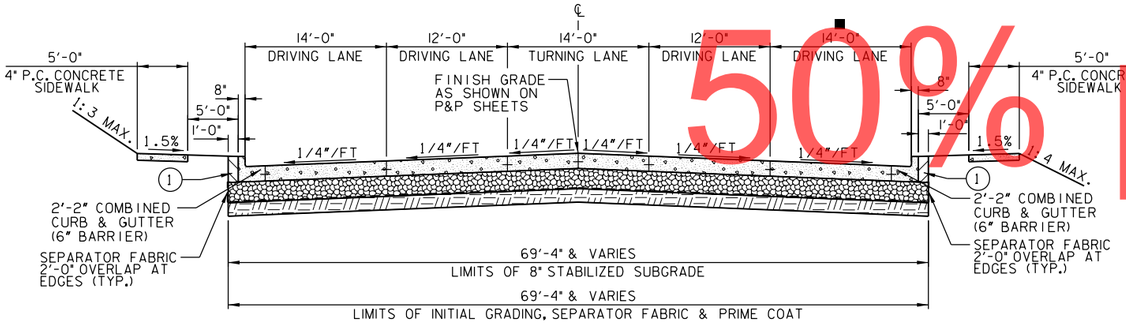


W. 51ST. STREET SOUTH
TYPICAL SECTION NO. 2

NOT TO SCALE

℄ STA. 520+00.00 TO ℄ STA. 525+00.00

PAVT. STRUCTURE	DRIVING LANES
SURFACE COURSE	2" TYPE S4 (PG 70-28 OK)
INTERMEDIATE COURSE	3" TYPE S3 (PG 70-28 OK)
	3" TYPE S3 (PG 64-22 OK)(2 LIFTS)
BASE COURSE	12" AGGREGATE BASE TYPE A
SUBGRADE	8" STABILIZED SUBGRADE



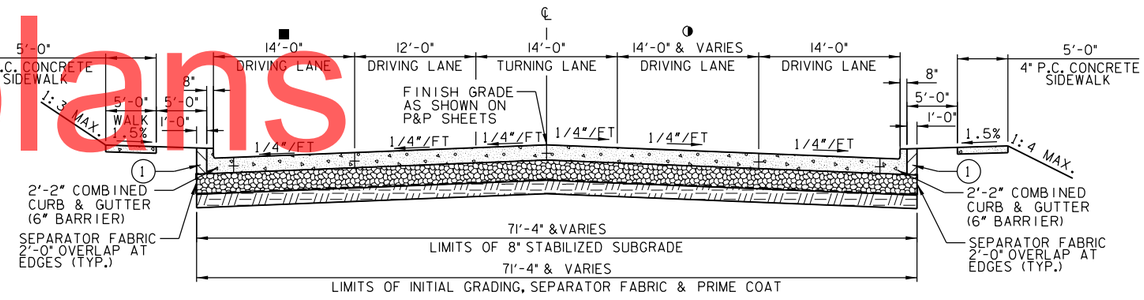
W. 51ST STREET SOUTH
TYPICAL SECTION NO. 3

NOT TO SCALE

℄ STA. 525+00.00 TO ℄ STA. 540+11.00

■ ℄ STA. 538+73.92 TO ℄ STA. 540+11.00 - TRANS. 14'-0" TO 0'-0"

PAVT. STRUCTURE	DRIVING LANES
SURFACE COURSE	9" DOWEL JOINTED P.C. CONCRETE PAVEMENT
BASE COURSE	12" AGGREGATE BASE TYPE A
SUBGRADE	8" STABILIZED SUBGRADE



W. 51ST STREET SOUTH
TYPICAL SECTION NO. 4

NOT TO SCALE

℄ STA. 540+11.00 TO ℄ STA. 546+00.00

◐ ℄ STA. 540+11.00 TO ℄ STA. 543+25.84 - TRANS. 14'-0" TO 0'-0"
◐ ℄ STA. 543+25.84 TO ℄ STA. 545+44.40 - 0'-0"
■ ℄ STA. 540+11.00 TO ℄ STA. 542+60.84 - 12'-0"
■ ℄ STA. 542+60.84 TO ℄ STA. 543+25.84 - TRANS. 12'-0" TO 0'-0"

PAVT. STRUCTURE	DRIVING LANES
SURFACE COURSE	9" DOWEL JOINTED P.C. CONCRETE PAVEMENT
BASE COURSE	12" AGGREGATE BASE TYPE A
SUBGRADE	8" STABILIZED SUBGRADE

(1) BACKFILL NOTE
THIS AREA IS TO BE BACKFILLED AND COMPACTED AS PART OF FINISHING OPERATIONS. MATERIAL SHALL BE T.B.S.C. TYPE E AND PAID FOR BASED ON THEORETICAL CROSS SECTION.

(2) TOPSOIL NOTE
THE CONTRACTOR SHALL STRIP ALL OF THE AVAILABLE TOPSOIL, STOCKPILE IT, AND PLACE IT BACK ON THE SECTION IN ACCORDANCE WITH SECTION 205 OF THE STANDARD SPECIFICATIONS. RESERVED TOPSOIL SHALL BE SPREAD APPROX. 5" THICK FIRST ON THE COMPLETED SLOPES OF THE CUT SECTIONS AND THE REMAINDER ON COMPLETED FILL SLOPES OR OTHER PRIORITY AREAS LOCATED BY THE ENGINEER.
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(3) SEE ROUNDING DETAIL ON SHEET 0021

(4) DISTANCE MEASURED VERTICALLY FROM EDGE OF FINISHED SHOULDER.

(5) CONSTRUCT F-SHAPED PARAPET. SEE DETAIL SHEET 0015 FOR REINFORCEMENT DETAILS.

50% plans

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

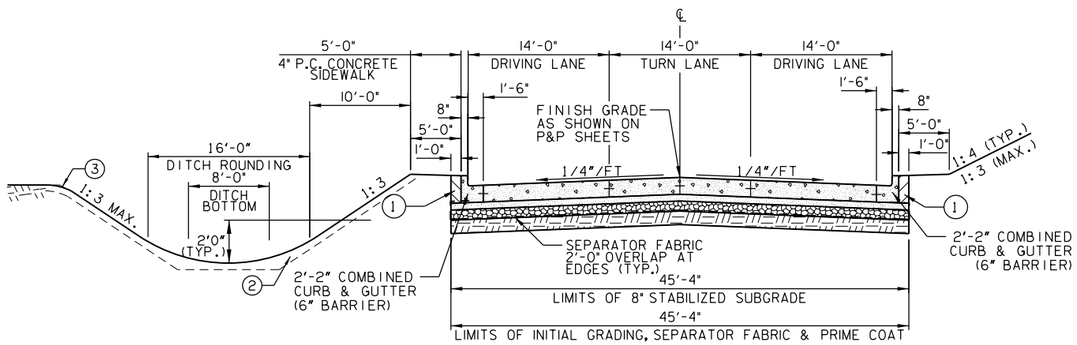
TYPICAL SECTIONS
SHEET 15 OF 18

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. 0017

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

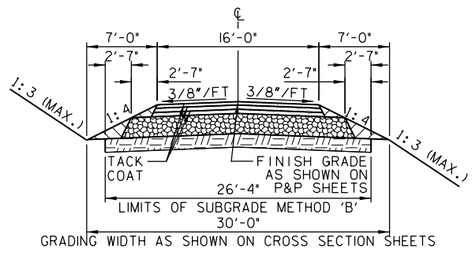
PROPOSED R/W
10/30/2017



W. 51ST STREET SOUTH
FRONTAGE ROAD

NOT TO SCALE
℄ STA. 10+36.09 TO ℄ SRA. 25+25.00

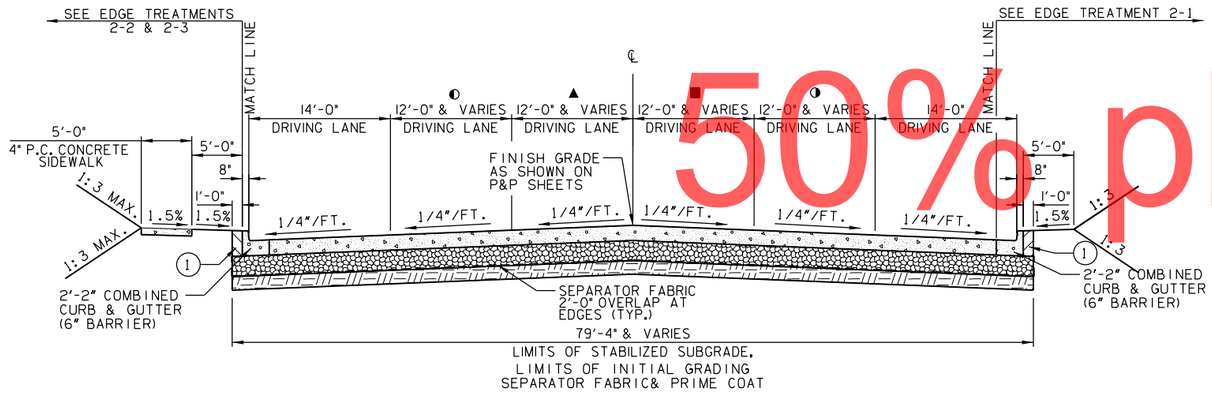
PAVT. STRUCTURE	DRIVING LANES
SURFACE COURSE	10" DOWEL JOINTED P.C. CONCRETE PAVEMENT
INTERMEDIATE COURSE	4" CEMENT TREATED BASE
BASE COURSE	6" AGGREGATE BASE TYPE A
SUBGRADE	8" STABILIZED SUBGRADE



S. 57TH W. AVE.
AT S. 51ST STREET SOUTH

NOT TO SCALE
℄ STA. 0+20.55 TO ℄ STA. 3+20.00

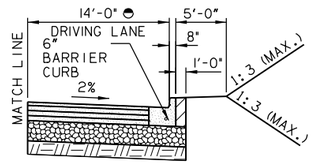
PAVT. STRUCTURE	DRIVING LANES
SURFACE COURSE	2" TYPE S4 (PG 70-28 OK)
INTERMEDIATE COURSE	2.5" TYPE S3 (PG 64-22 OK)(2 LIFTS)
BASE COURSE	12" AGGREGATE BASE TYPE A
SUBGRADE	8" SUBGRADE METHOD 'B'



W. 41ST. STREET SOUTH
TYPICAL SECTION NO. 2

NOT TO SCALE
℄ STA. 403+86.00 TO ℄ STA. 422+15.00

PAVT. STRUCTURE	DRIVING LANES
SURFACE COURSE	9" DOWEL JOINTED P.C. CONCRETE PAVEMENT
BASE COURSE	12" AGGREGATE BASE TYPE A
SUBGRADE	8" STABILIZED SUBGRADE

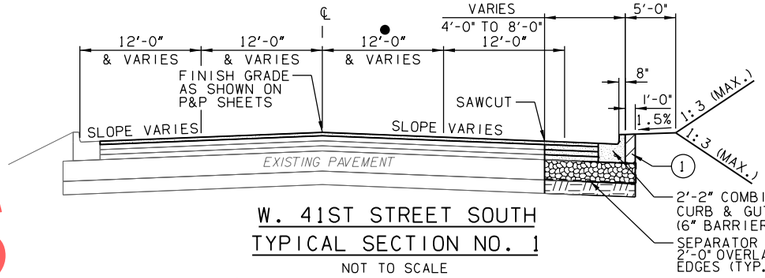


EDGE TREATMENT 2-1

NOT TO SCALE
◓ ℄ STA. 403+97.85 TO ℄ STA. 405+37.26 - TRANS. 0'-0" TO 14'-0"
◓ ℄ STA. 405+37.26 TO ℄ STA. 410+00.00 - 14'-0"

LANE TRANSITIONS W. 41ST STREET SOUTH

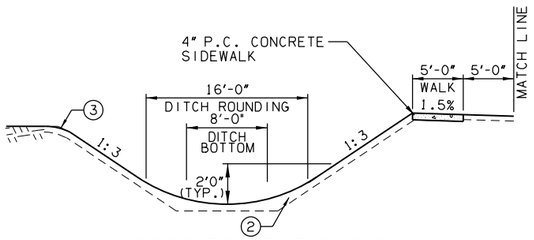
	CL. STA.	TO	CL STA.	-	TRANSITION
◐	403+86.00	TO	416+65.37	-	12'-0"
◐	416+65.37	TO	420+05.37	-	12'-0" TO 0'-0"
◐	416+65.37	TO	422+15.00	-	0'-0"
▲	416+65.37	TO	404+20.28	-	0'-0"
▲	404+20.28	TO	410.00+00	-	0'-0" TO 12'-0"
▲	410+00.00	TO	414+65.37	-	12'-0"
▲	414+65.37	TO	420+05.37	-	12'-0" TO 0'-0"
▲	420+05.37	TO	422+15.00	-	0'-0"
■	403+86.00	TO	407+37.53	-	5'-0" TO 12'-0"
■	407+37.53	TO	414+65.37	-	12'-0"
■	414+65.37	TO	420+05.37	-	12'-0" TO 0'-0"
■	420+05.37	TO	422+15.00	-	0'-0"
◑	403+86.00	TO	416+65.37	-	12'-0"
◑	416+65.37	TO	422+15.00	-	12'-0" TO 0'-0"



W. 41ST STREET SOUTH
TYPICAL SECTION NO. 1

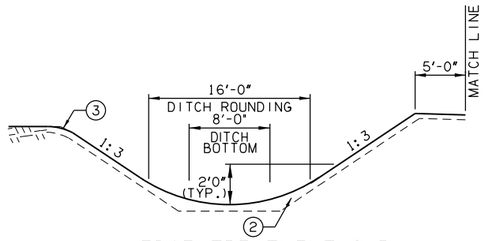
NOT TO SCALE
℄ STA. 400+45.00 TO ℄ STA. 403+86.00
● C.R.L. STA. 400+45.00 TO ℄ STA. 403+86.00 - TRANS. 0'-0" TO 17'-0"

PAVT. STRUCTURE	DRIVING LANES
SURFACE COURSE	2" TYPE S4 (PG 70-28 OK)(INLAY)
INTERMEDIATE COURSE	3" TYPE S3 (PG 70-28 OK)
	3" TYPE S3 (PG 61-22 OK)(3 LIFTS)
BASE COURSE	12" AGGREGATE BASE TYPE A
SUBGRADE	8" STABILIZED SUBGRADE



EDGE TREATMENT 2-2

NOT TO SCALE
℄ STA. 403+86.00 TO ℄ STA. 417+62.00



EDGE TREATMENT 2-3

NOT TO SCALE
℄ STA. 417+62.00 TO C.R.L. ℄ 422+15.00

1. BACKFILL NOTE
THIS AREA IS TO BE BACKFILLED AND COMPACTED AS PART OF FINISHING OPERATIONS. MATERIAL SHALL BE T.B.S.C. TYPE E AND PAID FOR BASED ON THEORETICAL CROSS SECTION.

2. TOPSOIL NOTE
THE CONTRACTOR SHALL STRIP ALL OF THE AVAILABLE TOPSOIL, STOCKPILE IT, AND PLACE IT BACK ON THE SECTION IN ACCORDANCE WITH SECTION 205 OF THE STANDARD SPECIFICATIONS. RESERVED TOPSOIL SHALL BE SPREAD APPROX. 5" THICK FIRST ON THE COMPLETED SLOPES OF THE CUT SECTIONS AND THE REMAINDER ON COMPLETED FILL SLOPES OR OTHER PRIORITY AREAS LOCATED BY THE ENGINEER.
THE GRADING LINE AS SHOWN ON THE TYPICAL AND CROSS SECTIONS IS TO THE TOP OF TOPSOIL. EARTHWORK QUANTITIES WERE NOT ADJUSTED FOR SALVAGED TOPSOIL AND THE TOPSOIL QUANTITY IS INCLUDED IN THE MASS LINE BALANCE AND EARTHWORK SUMMARY.
ALL EXCAVATED MATERIAL NOT REQUIRED IN THE PROJECT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF BY THE CONTRACTOR IN A MANNER ACCEPTABLE TO THE ENGINEER WITHOUT COST TO THE OWNER. THE CONTRACTOR WILL BE REQUIRED TO OBTAIN AN EARTH CHANGE PERMIT IF ANY MATERIAL IS STORED ON THE PROJECT SITE AND/OR DISPOSED OF WITHIN THE CITY LIMITS.

3. SEE ROUNDING DETAIL ON SHEET 0021

4. DISTANCE MEASURED VERTICALLY FROM EDGE OF FINISHED SHOULDER.

5. CONSTRUCT F-SHAPED PARAPET. SEE DETAIL SHEET 0015 FOR REINFORCEMENT DETAILS.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

TYPICAL SECTIONS
SHEET 16 OF 18

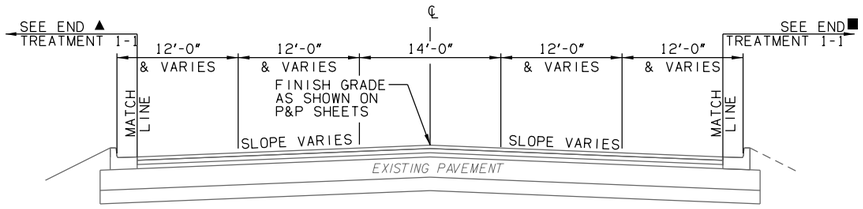
GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. 0018

50% plans

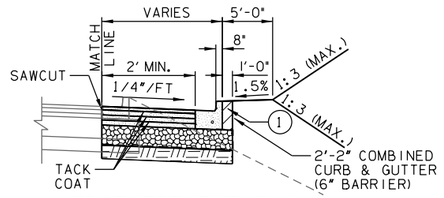
OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017



W. 21ST STREET SOUTH
TYPICAL SECTION NO. 1

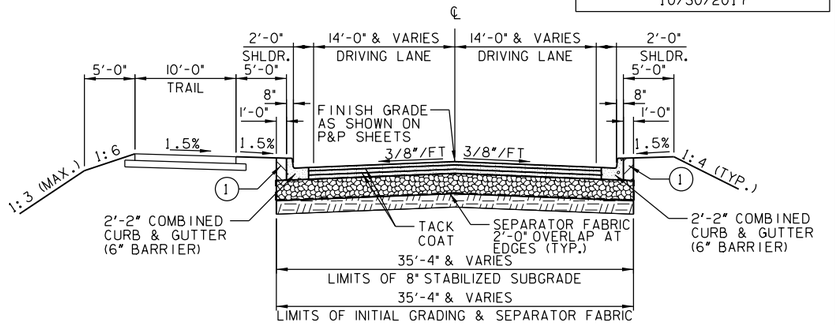
NOT TO SCALE
℄ STA. 207+08.00 TO ℄ STA. 234+71.00



EDGE TREATMENT 1-1

NOT TO SCALE
■ ℄ STA. 226+00.00 TO ℄ STA. 234+71.00 - VARIES 2'-0" TO 11'-0" (MIRROR)
▲ ℄ STA. 226+00.00 TO ℄ STA. 234+71.00 - VARIES 2'-0" TO 10'-0"

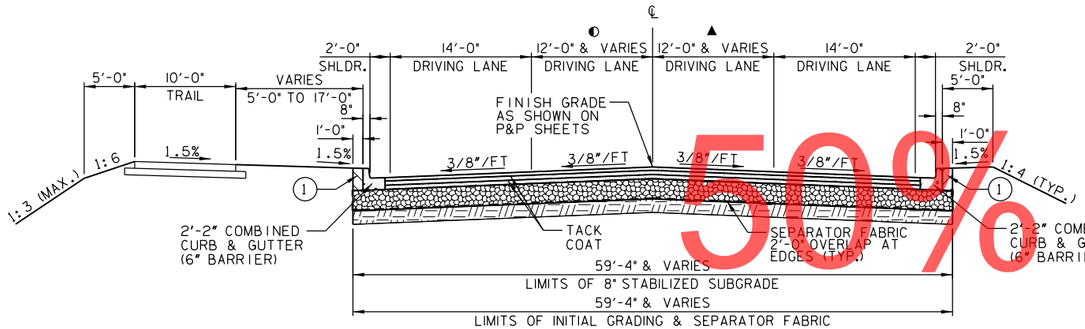
PAVT. STRUCTURE	DRIVING LANES
SURFACE COURSE	2" TYPE S4 (PG 64-22 OK)
INTERMEDIATE COURSE	2.5" TYPE S3 (PG 64-22 OK)(2 LIFTS)
BASE COURSE	12" AGGREGATE BASE TYPE A
SUBGRADE	8" STABILIZED SUBGRADE



S. 57TH W. AVE. AT W. 41ST STREET SOUTH
TYPICAL SECTION NO. 1

NOT TO SCALE
℄ STA. 64+47.35 TO ℄ STA. 77+75.00

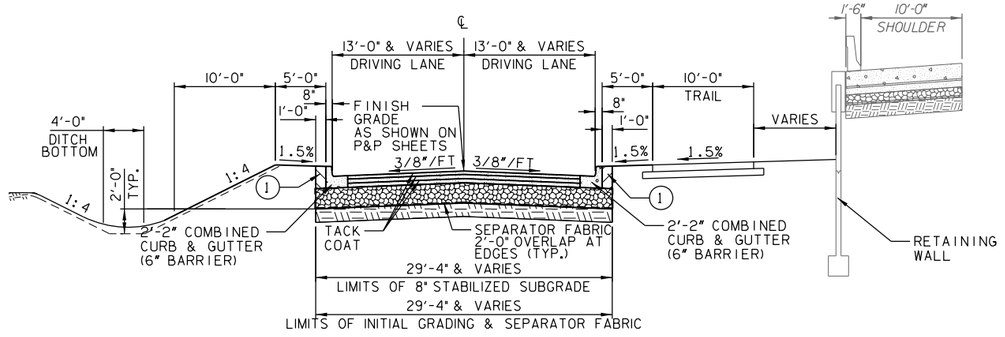
PAVT. STRUCTURE	DRIVING LANES & SHOULDERS
SURFACE COURSE	2" TYPE S4 (PG 70-28 OK)
INTERMEDIATE COURSE	2.5" TYPE S3 (PG 64-22 OK)(2 LIFTS)
BASE COURSE	12" AGGREGATE BASE TYPE A
SUBGRADE	8" STABILIZED SUBGRADE



S. 57TH W. AVE. AT W. 41ST STREET SOUTH
TYPICAL SECTION NO. 2

NOT TO SCALE
℄ STA. 57+38.00 TO ℄ STA. 64+47.35
◐ ℄ STA. 57+38.00 TO ℄ STA. 64+47.35 - 12'-0"
▲ ℄ STA. 57+38.00 TO ℄ STA. 60+54.17 - 12'-0"
▲ ℄ STA. 60+54.17 TO ℄ STA. 64+47.35 - TRANS. 12'-0" TO 0'-0"

PAVT. STRUCTURE	DRIVING LANES & SHOULDERS
SURFACE COURSE	2" TYPE S4 (PG 70-28 OK)
INTERMEDIATE COURSE	2.5" TYPE S3 (PG 64-22 OK)(2 LIFTS)
BASE COURSE	12" AGGREGATE BASE TYPE A
SUBGRADE	8" STABILIZED SUBGRADE



S. 57TH W. AVE.
AT W. 21ST STREET NORTH

NOT TO SCALE
℄ STA. 58+18.84 TO ℄ STA. 62+16.00

PAVT. STRUCTURE	DRIVING LANES
SURFACE COURSE	2" TYPE S4 (PG 70-28 OK)
INTERMEDIATE COURSE	2.5" TYPE S3 (PG 64-22 OK)(2 LIFTS)
BASE COURSE	12" AGGREGATE BASE TYPE A
SUBGRADE	8" STABILIZED SUBGRADE

(1) BACKFILL NOTE
THIS AREA IS TO BE BACKFILLED AND COMPACTED AS PART OF FINISHING OPERATIONS. MATERIAL SHALL BE T.B.S.C. TYPE E AND PAID FOR BASED ON THEORETICAL CROSS SECTION.

(2) TOPSOIL NOTE
THE CONTRACTOR SHALL STRIP ALL OF THE AVAILABLE TOPSOIL, STOCKPILE IT, AND PLACE IT BACK ON THE SECTION IN ACCORDANCE WITH SECTION 205 OF THE STANDARD SPECIFICATIONS. RESERVED TOPSOIL SHALL BE SPREAD APPROX. 5" THICK FIRST ON THE COMPLETED SLOPES OF THE CUT SECTIONS AND THE REMAINDER ON COMPLETED FILL SLOPES OR OTHER PRIORITY AREAS LOCATED BY THE ENGINEER.
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(3) SEE ROUNDING DETAIL ON SHEET 0021

(4) DISTANCE MEASURED VERTICALLY FROM EDGE OF FINISHED SHOULDER.

(5) CONSTRUCT F-SHAPED PARAPET. SEE DETAIL SHEET 0015 FOR REINFORCEMENT DETAILS.

50% plans

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

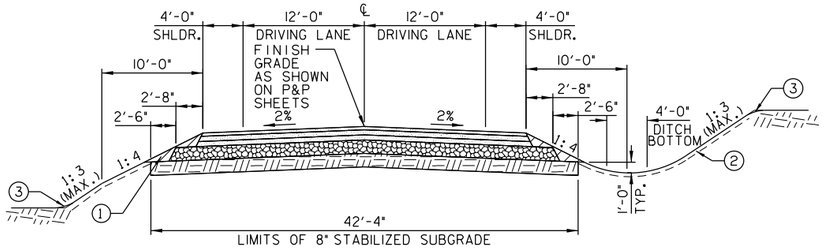
TYPICAL SECTIONS
SHEET 17 OF 18

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17	DATE: 10/30/2017	SHEET NO. 0019
CHECKED	NAB	10/17		

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

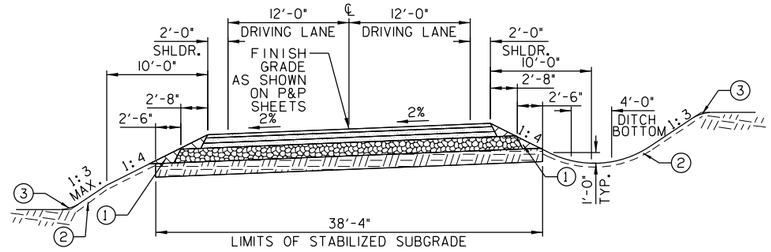


SHOOFLY TYPICAL SECTION NO. 1
SHOOFLY 1 & 4

NOT TO SCALE

℄ SHOOFLY 1 STA. 100+16.00 TO ℄ SHOOFLY 1 STA. 122+99.75
℄ SHOOFLY 4 STA. 103+14.84 TO ℄ SHOOFLY 4 STA. 109+25.00

PAVT. STRUCTURE	DRIVING LANES & SHOULDERS
SURFACE COURSE	2" TYPE S4 (PG 70-28 OK)
INTERMEDIATE COURSE	3" TYPE S3 (PG 64-22 OK)(2 LIFTS)
BASE COURSE	8" AGGREGATE BASE TYPE A
SUBGRADE	8" STABILIZED SUBGRADE



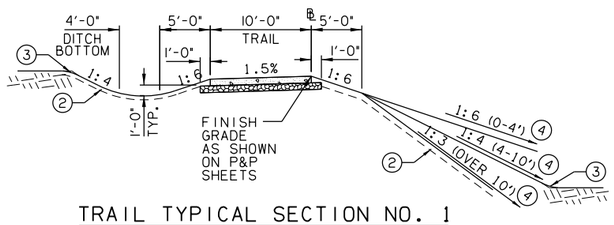
SHOOFLY TYPICAL SECTION NO. 2
SHOOFLY 3

NOT TO SCALE

℄ SHOOFLY 3 STA. 100+11.32 TO ℄ SHOOFLY 3 STA. 115+02.58

PAVT. STRUCTURE	DRIVING LANES
SURFACE COURSE	2" TYPE S4 (PG 70-28 OK)
INTERMEDIATE COURSE	3" TYPE S3 (PG 64-22 OK)(2 LIFTS)
BASE COURSE	8" AGGREGATE BASE TYPE A
SUBGRADE	8" STABILIZED SUBGRADE

50% plans

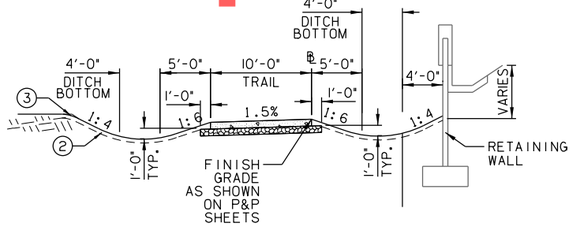


TRAIL TYPICAL SECTION NO. 1

NOT TO SCALE

℄ STA. 46+85.00 TO ℄ STA. 69+74.00
℄ STA. 90+26.00 TO ℄ STA. 94+87.31
℄ STA. 98+13.96 TO ℄ STA. 107+27.00
℄ STA. 124+89.00 TO ℄ STA. 128+00.00
℄ STA. 134+77.00 TO ℄ STA. 155+47.16
℄ STA. 199+54.68 TO ℄ STA. 218+90.22
℄ STA. 225+07.00 TO ℄ STA. 230+02.47
℄ STA. 280+00.00 TO ℄ STA. 291+70.87
℄ STA. 292+22.83 TO ℄ STA. 293+18.36
℄ STA. 293+63.44 TO ℄ STA. 300+96.71
℄ STA. 301+29.09 TO ℄ STA. 301+76.35

PAVT. STRUCTURE	TRAIL
SURFACE COURSE	4" PC CONCRETE
BASE COURSE	4" AGGREGATE BASE TYPE A



TRAIL TYPICAL SECTION NO. 2

NOT TO SCALE

℄ STA. 131+50.00 TO ℄ STA. 134+77.00

PAVT. STRUCTURE	TRAIL
SURFACE COURSE	4" PC CONCRETE
BASE COURSE	4" AGGREGATE BASE TYPE A

(1) BACKFILL NOTE
THIS AREA IS TO BE BACKFILLED AND COMPACTED AS PART OF FINISHING OPERATIONS. MATERIAL SHALL BE T.B.S.C. TYPE E AND PAID FOR BASED ON THEORETICAL CROSS SECTION.

(2) TOPSOIL NOTE
THE CONTRACTOR SHALL STRIP ALL OF THE AVAILABLE TOPSOIL, STOCKPILE IT, AND PLACE IT BACK ON THE SECTION IN ACCORDANCE WITH SECTION 205 OF THE STANDARD SPECIFICATIONS. RESERVED TOPSOIL SHALL BE SPREAD APPROX. 5" THICK FIRST ON THE COMPLETED SLOPES OF THE CUT SECTIONS AND THE REMAINDER ON COMPLETED FILL SLOPES OR OTHER PRIORITY AREAS LOCATED BY THE ENGINEER.
THE GRADING LINE AS SHOWN ON THE TYPICAL AND CROSS SECTIONS IS TO THE TOP OF TOPSOIL. EARTHWORK QUANTITIES WERE NOT ADJUSTED FOR SALVAGED TOPSOIL AND THE TOPSOIL QUANTITY IS INCLUDED IN THE MASS LINE BALANCE AND EARTHWORK SUMMARY.
ALL EXCAVATED MATERIAL NOT REQUIRED IN THE PROJECT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF BY THE CONTRACTOR IN A MANNER ACCEPTABLE TO THE ENGINEER WITHOUT COST TO THE OWNER. THE CONTRACTOR WILL BE REQUIRED TO OBTAIN AN EARTH CHANGE PERMIT IF ANY MATERIAL IS STORED ON THE PROJECT SITE AND/OR DISPOSED OF WITHIN THE CITY LIMITS.

(3) SEE ROUNDING DETAIL ON SHEET 0021

(4) DISTANCE MEASURED VERTICALLY FROM EDGE OF FINISHED SHOULDER.

(5) CONSTRUCT F-SHAPED PARAPET. SEE DETAIL SHEET 0015 FOR REINFORCEMENT DETAILS.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

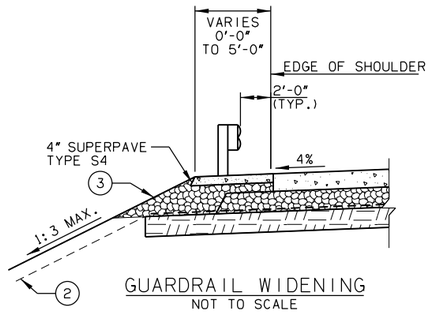
TYPICAL SECTIONS
SHEET 18 OF 18

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	HBV	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. 0020

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017



GUARDRAIL WIDENING
NOT TO SCALE

GILCREASE EXPRESSWAY

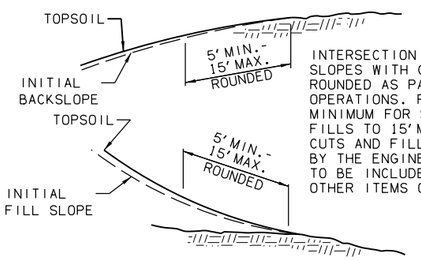
C.R.L.	STA.	165+38.25	TO	STA.	166+08.25	RT. NB	TRANS. 0'-0" TO 5'-0"
C.R.L.	STA.	166+08.25	TO	STA.	168+68.27	RT. NB	5' 0" TO 5' 0"
C.R.L.	STA.	164+63.30	TO	STA.	165+33.30	LT. NB	TRANS. 0'-0" TO 5'-0"
C.R.L.	STA.	165+33.30	TO	STA.	167+28.16	LT. NB	5'-0" TO 5'-0"
C.R.L.	STA.	167+28.16	TO	STA.	168+68.27	LT. NB	TRANS. 5'-0" TO 11'-0"
C.R.L.	STA.	171+44.93	TO	STA.	172+85.05	RT. SB	TRANS. 11'-0" TO 5'-0"
C.R.L.	STA.	172+85.05	TO	STA.	174+92.13	RT. SB	5'-0" TO 5'-0"
C.R.L.	STA.	174+92.13	TO	STA.	175+62.13	RT. SB	TRANS. 5'-0" TO 0'-0"
C.R.L.	STA.	171+44.93	TO	STA.	174+79.40	LT. SB	5'-0" TO 5'-0"
C.R.L.	STA.	174+79.40	TO	STA.	175+49.40	LT. SB	TRANS. 5'-0" TO 0'-0"
C.R.L.	STA.	217+71.76	TO	STA.	218+41.76	LT. NB	TRANS. 0'-0" TO 5'-0"
C.R.L.	STA.	218+41.76	TO	STA.	220+36.56	LT. NB	5'-0" TO 5'-0"
C.R.L.	STA.	220+36.56	TO	STA.	221+76.67	LT. NB	TRANS. 5'-0" TO 11'-0"
C.R.L.	STA.	218+46.83	TO	STA.	219+16.65	RT. NB	TRANS. 0'-0" TO 5'-0"
C.R.L.	STA.	219+16.65	TO	STA.	221+76.67	RT. NB	5'-0" TO 5'-0"
C.R.L.	STA.	223+93.33	TO	STA.	226+53.35	LT. SB	5'-0" TO 5'-0"
C.R.L.	STA.	226+53.35	TO	STA.	227+23.17	LT. SB	TRANS. 5'-0" TO 0'-0"
C.R.L.	STA.	223+93.33	TO	STA.	225+33.44	RT. SB	TRANS. 11'-0" TO 5'-0"
C.R.L.	STA.	225+33.44	TO	STA.	227+28.35	RT. SB	5'-0" TO 5'-0"
C.R.L.	STA.	227+28.35	TO	STA.	227+98.17	RT. SB	TRANS. 5'-0" TO 0'-0"
C.R.L.	STA.	228+86.02	TO	STA.	229+55.84	LT. NB	TRANS. 0'-0" TO 5'-0"
C.R.L.	STA.	229+55.74	TO	STA.	231+50.63	LT. NB	5'-0" TO 5'-0"
C.R.L.	STA.	231+50.63	TO	STA.	232+90.74	LT. NB	TRANS. 5'-0" TO 11'-0"
C.R.L.	STA.	229+60.91	TO	STA.	230+30.73	RT. NB	TRANS. 0'-0" TO 5'-0"
C.R.L.	STA.	230+30.73	TO	STA.	232+90.74	RT. NB	5'-0" TO 5'-0"
C.R.L.	STA.	251+33.87	TO	STA.	253+94.90	LT. SB	5'-0" TO 5'-0"
C.R.L.	STA.	251+33.87	TO	STA.	254+64.90	LT. SB	TRANS. 5'-0" TO 0'-0"
C.R.L.	STA.	251+33.87	TO	STA.	252+73.98	RT. SB	TRANS. 11'-0" TO 5'-0"
C.R.L.	STA.	252+73.98	TO	STA.	254+69.14	RT. SB	5'-0" TO 5'-0"
C.R.L.	STA.	254+69.14	TO	STA.	255+39.14	RT. SB	TRANS. 5'-0" TO 0'-0"
C.R.L.	STA.	270+51.76	TO	STA.	271+21.76	LT. NB	TRANS. 0'-0" TO 5'-0"
C.R.L.	STA.	271+21.76	TO	STA.	273+16.56	LT. NB	5'-0" TO 5'-0"
C.R.L.	STA.	273+16.56	TO	STA.	274+56.68	LT. NB	TRANS. 5'-0" TO 11'-0"
C.R.L.	STA.	272+26.51	TO	STA.	272+96.51	RT. NB	TRANS. 0'-0" TO 5'-0"
C.R.L.	STA.	272+96.51	TO	STA.	274+56.68	RT. NB	5'-0" TO 5'-0"
C.R.L.	STA.	277+65.07	TO	STA.	280+37.38	RT. SB	5'-0" TO 5'-0"
C.R.L.	STA.	280+37.38	TO	STA.	281+07.38	RT. SB	TRANS. 5'-0" TO 0'-0"
C.R.L.	STA.	277+65.07	TO	STA.	279+45.58	LT. SB	5'-0" TO 5'-0"
C.R.L.	STA.	279+45.58	TO	STA.	280+09.30	LT. SB	TRANS. 5'-0" TO 0'-0"
C.R.L.	STA.	277+82.66	TO	STA.	278+52.66	LT. NB	TRANS. 0'-0" TO 5'-0"
C.R.L.	STA.	278+52.66	TO	STA.	281+00.37	LT. NB	5'-0" TO 5'-0"
C.R.L.	STA.	278+70.17	TO	STA.	279+40.17	RT. NB	TRANS. 0'-0" TO 5'-0"
C.R.L.	STA.	279+40.17	TO	STA.	281+00.37	RT. NB	5'-0" TO 5'-0"
C.R.L.	STA.	284+96.64	TO	STA.	285+14.59	LT. SB	5'-0" TO 5'-0"
C.R.L.	STA.	285+14.59	TO	STA.	286+01.40	LT. SB	TRANS. 5'-0" TO 10'-10"
C.R.L.	STA.	286+01.40	TO	STA.	286+43.20	LT. SB	TRANS. 10'-10" TO 16'-8"
C.R.L.	STA.	286+43.20	TO	STA.	286+53.15	LT. SB	16'-8" TO 16'-8"
C.R.L.	STA.	286+53.15	TO	STA.	287+23.07	LT. SB	TRANS. 16'-8" TO 4'-10"
C.R.L.	STA.	284+96.64	TO	STA.	287+68.94	RT. SB	5'-0" TO 5'-0"
C.R.L.	STA.	287+68.94	TO	STA.	288+38.94	RT. SB	TRANS. 5'-0" TO 0'-0"
C.R.L.	STA.	285+62.64	TO	STA.	286+32.64	LT. NB	TRANS. 0'-0" TO 5'-0"
C.R.L.	STA.	286+32.64	TO	STA.	288+80.35	LT. NB	5'-0" TO 5'-0"
C.R.L.	STA.	286+11.74	TO	STA.	286+82.24	RT. NB	TRANS. 0'-0" TO 5'-0"
C.R.L.	STA.	286+82.24	TO	STA.	288+80.35	RT. NB	5'-0" TO 5'-0"

GILCREASE EXPRESSWAY

C.R.L.	STA.	306+22.44	TO	STA.	307+62.54	RT. SB	TRANS. 11'-0" TO 5'-0"
C.R.L.	STA.	307+62.54	TO	STA.	309+57.33	RT. SB	5'-0" TO 5'-0"
C.R.L.	STA.	309+57.33	TO	STA.	310+27.33	RT. SB	TRANS. 5'-0" TO 0'-0"
C.R.L.	STA.	306+22.44	TO	STA.	308+82.46	LT. SB	5'-0" TO 5'-0"
C.R.L.	STA.	308+82.46	TO	STA.	309+52.46	LT. SB	TRANS. 5'-0" TO 0'-0"
C.R.L.	STA.	323+61.77	TO	STA.	324+31.77	LT. NB	TRANS. 0'-0" TO 5'-0"
C.R.L.	STA.	324+31.77	TO	STA.	326+26.56	LT. NB	5'-0" TO 5'-0"
C.R.L.	STA.	326+26.56	TO	STA.	327+66.67	LT. NB	TRANS. 5'-0" TO 11'-0"
C.R.L.	STA.	324+36.65	TO	STA.	325+06.65	RT. NB	TRANS. 0'-0" TO 5'-0"
C.R.L.	STA.	325+06.65	TO	STA.	327+66.67	RT. NB	5'-0" TO 5'-0"
C.R.L.	STA.	331+55.33	TO	STA.	334+02.85	RT. SB	5'-0" TO 5'-0"
C.R.L.	STA.	334+02.85	TO	STA.	334+72.85	RT. SB	TRANS. 5'-0" TO 0'-0"
C.R.L.	STA.	331+55.33	TO	STA.	334+15.35	LT. SB	5'-0" TO 5'-0"
C.R.L.	STA.	334+15.35	TO	STA.	334+85.35	LT. SB	TRANS. 5'-0" TO 0'-0"
C.R.L.	STA.	332+85.03	TO	STA.	333+55.03	LT. NB	TRANS. 0'-0" TO 5'-0"
C.R.L.	STA.	333+55.03	TO	STA.	336+02.55	LT. NB	5'-0" TO 5'-0"
C.R.L.	STA.	332+72.53	TO	STA.	333+42.53	RT. NB	TRANS. 0'-0" TO 5'-0"
C.R.L.	STA.	333+42.53	TO	STA.	336+02.55	RT. NB	5'-0" TO 5'-0"
C.R.L.	STA.	338+74.92	TO	STA.	340+07.06	RT. SB	TRANS. 11'-0" TO 5'-0"
C.R.L.	STA.	340+07.06	TO	STA.	342+09.82	RT. SB	5'-0" TO 5'-0"
C.R.L.	STA.	342+09.82	TO	STA.	342+79.82	RT. SB	TRANS. 5'-0" TO 0'-0"
C.R.L.	STA.	338+74.92	TO	STA.	340+72.12	LT. SB	5'-0" TO 5'-0"
C.R.L.	STA.	340+72.12	TO	STA.	341+42.27	LT. SB	TRANS. 5'-0" TO 0'-0"
C.R.L.	STA.	345+80.32	TO	STA.	346+50.32	LT. NB	TRANS. 0'-0" TO 5'-0"
C.R.L.	STA.	346+50.32	TO	STA.	348+45.11	LT. NB	5'-0" TO 5'-0"
C.R.L.	STA.	348+45.11	TO	STA.	349+85.22	LT. NB	TRANS. 5'-0" TO 11'-0"
C.R.L.	STA.	346+56.28	TO	STA.	347+25.20	RT. NB	TRANS. 0'-0" TO 5'-0"
C.R.L.	STA.	347+25.20	TO	STA.	349+85.22	RT. NB	5'-0" TO 5'-0"
C.R.L.	STA.	354+91.99	TO	STA.	356+57.13	LT. SB	5'-0" TO 5'-0"
C.R.L.	STA.	356+57.13	TO	STA.	356+82.91	LT. SB	TRANS. 5'-0" TO 0'-0"
C.R.L.	STA.	354+91.99	TO	STA.	357+58.96	RT. SB	5'-0" TO 5'-0"
C.R.L.	STA.	358+70.08	TO	STA.	358+50.43	RT. NB	TRANS. 0'-0" TO 5'-0"
C.R.L.	STA.	358+50.43	TO	STA.	359+37.24	RT. NB	5'-0" TO 5'-0"
C.R.L.	STA.	364+82.77	TO	STA.	365+01.28	LT. SB	TRANS. 0'-0" TO 5'-0"
C.R.L.	STA.	365+01.28	TO	STA.	367+16.19	LT. SB	5'-0" TO 5'-0"
C.R.L.	STA.	367+16.19	TO	STA.	367+86.19	LT. SB	TRANS. 5'-0" TO 0'-0"
BL RAMP A - W. 21ST. ST. S.	STA.	1281+26.32	TO	STA.	1281+96.32	LT. SB	TRANS. 0'-0" TO 5'-0"
BL RAMP A - W. 21ST. ST. S.	STA.	1281+96.32	TO	STA.	1284+46.46	LT. SB	5'-0" TO 5'-0"
BL RAMP A - W. 21ST. ST. S.	STA.	1284+46.46	TO	STA.	1285+16.46	LT. SB	TRANS. 5'-0" TO 0'-0"
BL RAMP D - W. 21ST. ST. S.	STA.	4277+95.80	TO	STA.	4278+65.80	LT. SB	TRANS. 0'-0" TO 5'-0"
BL RAMP D - W. 21ST. ST. S.	STA.	4278+65.80	TO	STA.	4280+28.89	LT. SB	5'-0" TO 5'-0"
BL RAMP D - W. 21ST. ST. S.	STA.	4284+90.64	TO	STA.	4288+64.90	LT. SB	5'-0" TO 5'-0"

50% plans

TOP OF CUT ROUNDING



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

TOE OF FILL ROUNDING

ROUNDING DETAIL
NOT TO SCALE

1. BACKFILL NOTE
THIS AREA IS TO BE BACKFILLED AND COMPACTED AS PART OF FINISHING OPERATIONS. MATERIAL SHALL BE T.B.S.C. TYPE E AND PAID FOR BASED ON THEORETICAL CROSS SECTION.

2. TOPSOIL NOTE
THE CONTRACTOR SHALL STRIP ALL OF THE AVAILABLE TOPSOIL, STOCKPILE IT, AND PLACE IT BACK ON THE SECTION IN ACCORDANCE WITH SECTION 205 OF THE STANDARD SPECIFICATIONS. RESERVED TOPSOIL SHALL BE SPREAD APPROX. 5" THICK FIRST ON THE COMPLETED SLOPES OF THE CUT SECTIONS AND THE REMAINDER ON COMPLETED FILL SLOPES OR OTHER PRIORITY AREAS LOCATED BY THE ENGINEER.
THE GRADING LINE AS SHOWN ON THE TYPICAL AND CROSS SECTIONS IS TO THE TOP OF TOPSOIL. EARTHWORK QUANTITIES WERE NOT ADJUSTED FOR SALVAGED TOPSOIL AND THE TOPSOIL QUANTITY IS INCLUDED IN THE MASS LINE BALANCE AND EARTHWORK SUMMARY.
ALL EXCAVATED MATERIAL NOT REQUIRED IN THE PROJECT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF BY THE CONTRACTOR IN A MANNER ACCEPTABLE TO THE ENGINEER WITHOUT COST TO THE OWNER. THE CONTRACTOR WILL BE REQUIRED TO OBTAIN AN EARTH CHANGE PERMIT IF ANY MATERIAL IS STORED ON THE PROJECT SITE AND/OR DISPOSED OF WITHIN THE CITY LIMITS.

3. SEE ROUNDING DETAIL ON SHEET 0021

4. DISTANCE MEASURED VERTICALLY FROM EDGE OF FINISHED SHOULDER.

5. CONSTRUCT F-SHAPED PARAPET. SEE DETAIL SHEET 0015 FOR REINFORCEMENT DETAILS.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

ROAD DETAILS

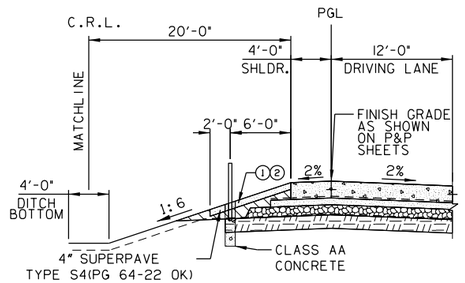
GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NAB	6/17
DETAILED	BWH	7/17
CHECKED	NAB	10/17

CONTRACT NO. GCT-2500
DATE: 10/30/2017
SHEET NO. 0021

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

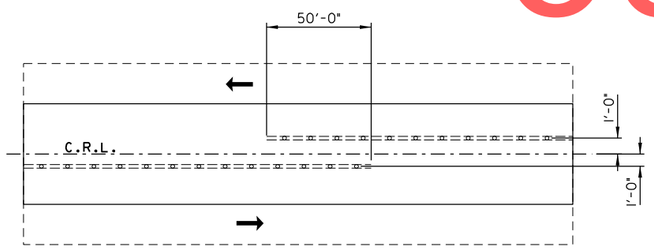


CABLE BARRIER - TYPICAL SECTION NO. 1

NOT TO SCALE

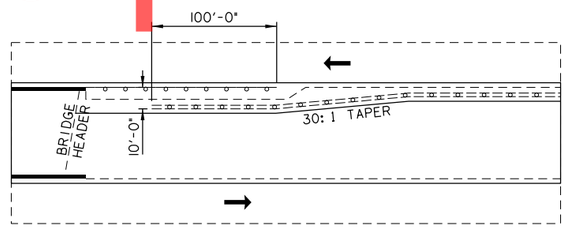
SOUTHBOUND MIRROR			NORTHBOUND		
C.R.L. STA.	TO	C.R.L. STA.	C.R.L. STA.	TO	C.R.L. STA.
105+15.00	TO	117+25.00	105+15.00	TO	166+33.30
173+92.16	TO	195+51.17	195+01.17	TO	219+41.76
253+69.09	TO	274+75.25	224+02.08	TO	230+75.84
308+57.27	TO	317+48.97	316+98.77	TO	325+31.77
			339+01.13	TO	347+70.32

50% plans



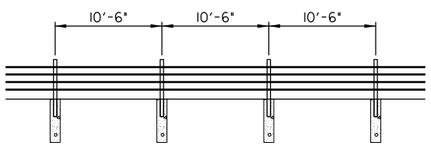
CABLE BARRIER SYSTEM INSTALLATION OVERLAP

NOT TO SCALE



PLAN - CABLE BARRIER SYSTEM INSTALLATION NEAR BRIDGE

NOT TO SCALE



TYPICAL ELEVATION

MINIMUM REQUIREMENTS OF CABLE BARRIER SYSTEM:
1. FULLY COMPLIES WITH NCHRP-350 TEST LEVEL 4 (TL-4).
2. 4 PRE-STRETCHED HIGH TENSION WIRE ROPES.
3. MAX. OF 8' DEFLECTION.
4. PLACED ON 1:6 OR FLATTER SLOPE.
5. MAX. OF 10'-6" POST SPACING.

1. CABLE BARRIER BASE SLOPE SHALL NOT BE STEEPER THAN 1:6.
2. CONTRACTOR SHALL VERIFY SLOPES AND MAKE SURE THAT 1:6 IS MAINTAINED IN ALL AREAS WHERE CABLE BARRIER IS INSTALLED.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

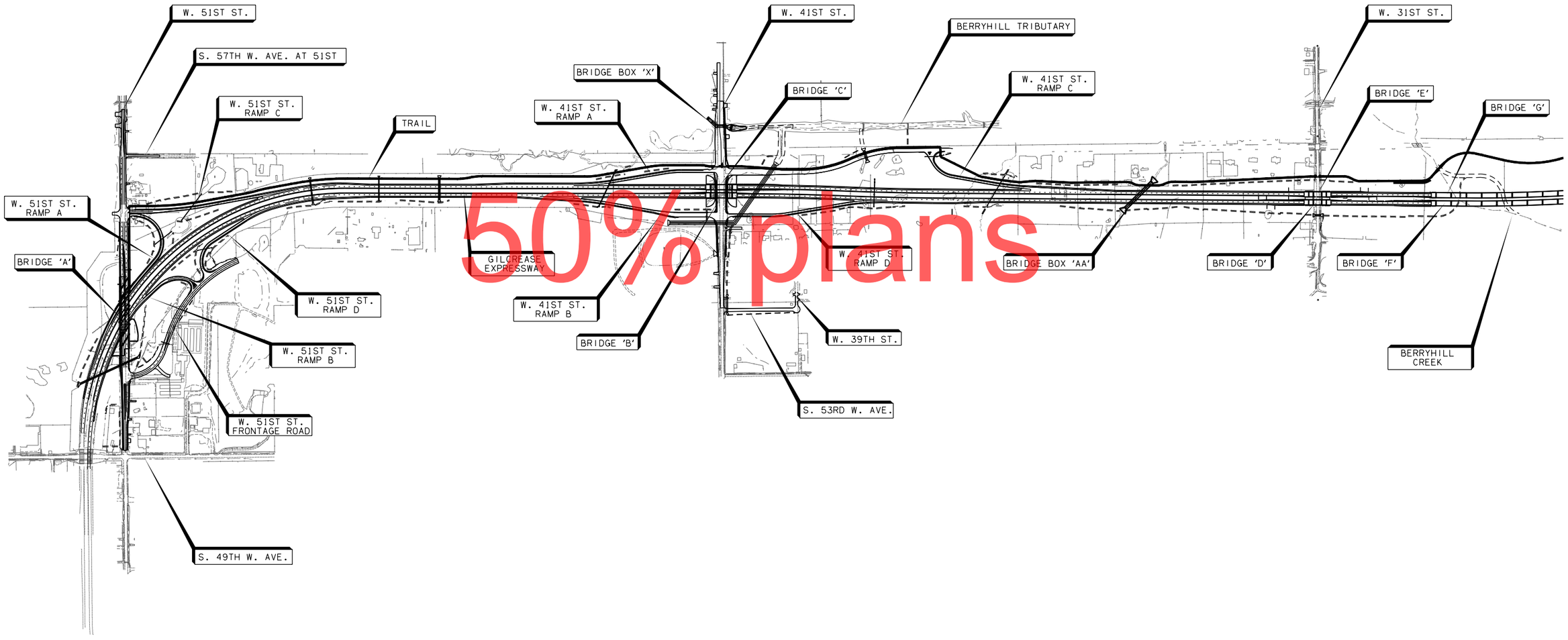
CABLE BARRIER DETAILS

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. 0022

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017



50% plans

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROJECT OVERVIEW KEYMAP (SHEET 1 OF 2)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NAB	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R001

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017



50% plans

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROJECT OVERVIEW KEYMAP (SHEET 2 OF 2)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NAB	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R002

50% plans

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

0 500 1000 1500
SCALE

W. 51ST ST.
SHEETS R125 - R127

S. 57TH W. AVE AT W. 51ST ST. S.
SHEET R133

RAMP-A W. 51ST ST. S.
SHEET R102

RAMP-C W. 51ST ST. S.
SHEET R105

W. 41ST ST. S.
SHEET R128-R129

RAMP-A W. 41ST ST. S.
SHEET R108-R109

S. 57TH W. AVE. AT W. 41ST ST. S.
SEE SHEETS R134-R135

RAMP-C W. 41ST ST. S.
SHEET R111

W. 41ST ST

GILCREASE EXPRESSWAY

120+00 W 51ST ST

130+00 140+00 150+00 160+00 170+00 180+00 190+00 200+00 210+00 220+00 230+00 240+00

SHEET R045 SHEET R046 SHEET R047 SHEET R048 SHEET R049 SHEET R050 SHEET R051 SHEET R052 SHEET R053

RAMP-D W. 51ST ST. S.
SHEET R107

RAMP-B W. 41ST ST. S.
SHEET R108-R109

RAMP-D W. 41ST ST. S.
SHEET R113-R114

W. 51ST ST. FRONTAGE
SHEET R132

RAMP-B W. 51ST ST. S.
SHEET R104

S. 53RD W. AVE.
SHEET R138

SHEET R044

110+00

SHEET R043

00+00

00+06

SHEET R042

0 500 1000 1500
SCALE

S. 57TH W. AVE. AT W.21ST ST. S.
SHEET R139

W. 21ST ST. S.
SHEETS R125 - R127

RAMP-A W. 21ST ST. S.
SHEET R116

RAMP-D W. 21ST ST. S.
SHEET R122

RAMP B-S. 65TH W. AVE.
SHEETS R085 - R086

RAMP A-S. 65TH W. AVE.
SHEETS R085 - R086

SOUTH C-D ROAD
SHEETS R086 - R088

NORTH C-D ROAD
SHEETS R086 - R088

250+00 260+00 270+00 280+00 290+00 300+00 310+00 320+00 330+00 340+00 350+00 360+00 370+00 380+00

SHEET R054 SHEET R055 SHEET R056 SHEET R057 SHEET R058 SHEET R059 SHEET R060 SHEET R061 SHEET R062 SHEET R063 SHEET R064

SHEET R053

RAMP-B W. 21ST ST. S.
SHEET R120 - R119

RAMP-C W. 21ST ST. S.
SHEET R119

W. 2ND ST. AND W. 1ST ST.
SHEETS R140

RAMP D-N. 49TH W. AVE.
SHEETS R088 - R089

RAMP C-N. 49TH W. AVE.
SHEETS R088 - R089

W. EASTON AVE.
SHEETS R142

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

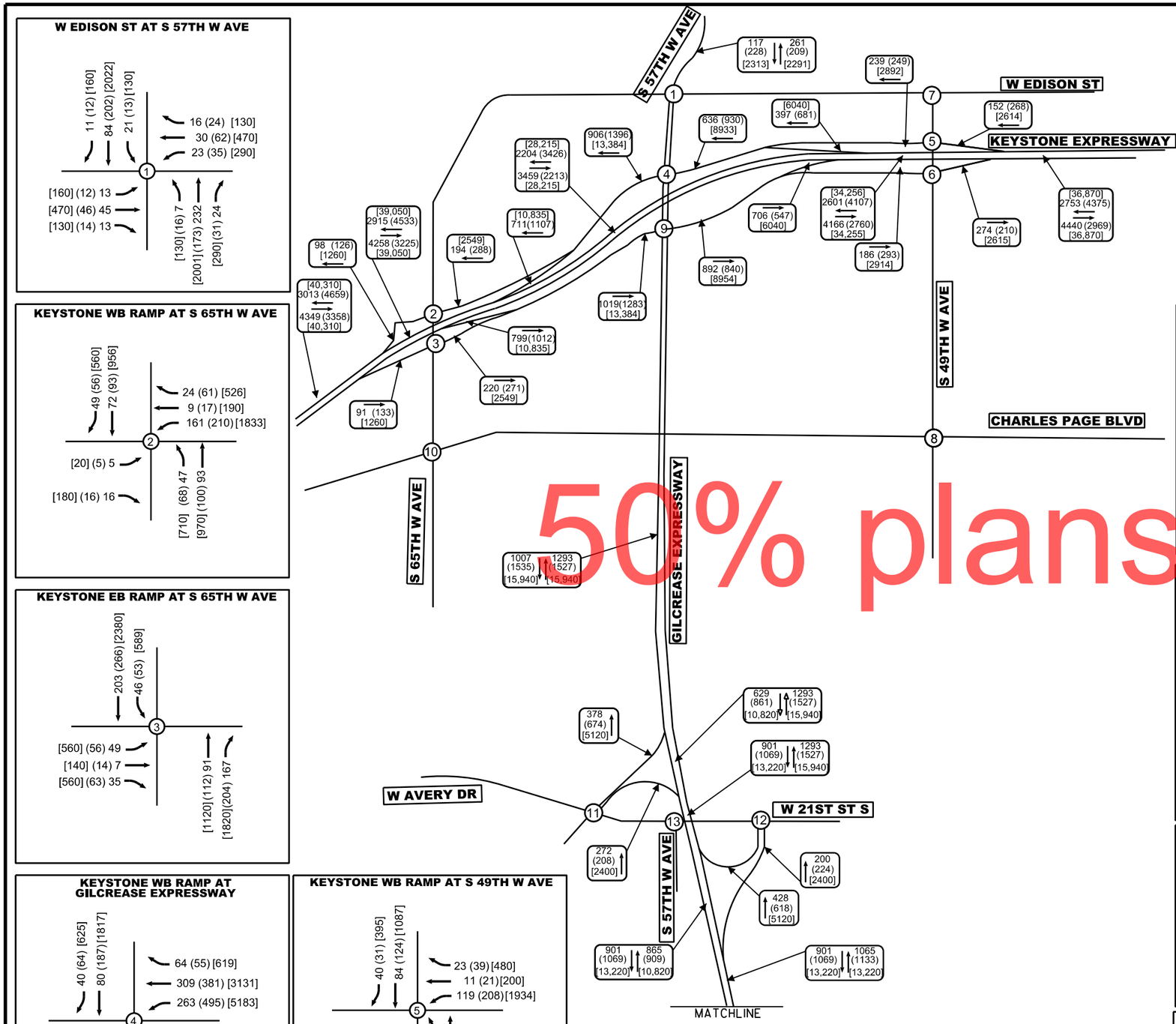
KEYMAP

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NAB	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R003

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017



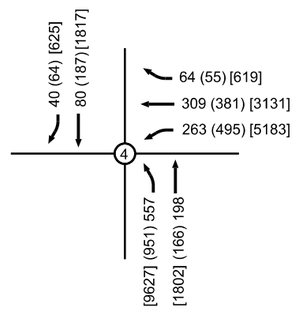
50% plans

W EDISON ST AT S 57TH W AVE

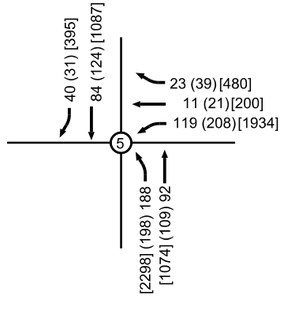
KEYSTONE WB RAMP AT S 65TH W AVE

KEYSTONE EB RAMP AT S 65TH W AVE

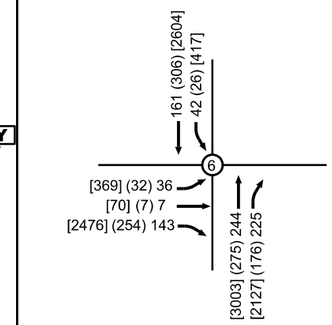
KEYSTONE WB RAMP AT GILCREASE EXPRESSWAY



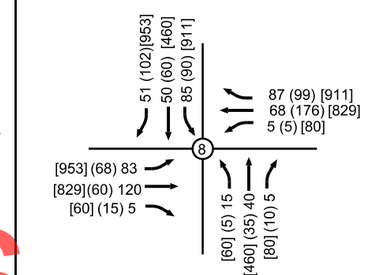
KEYSTONE WB RAMP AT S 49TH W AVE



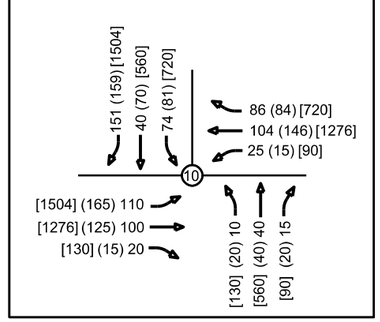
KEYSTONE EB RAMP AT S 49TH W AVE



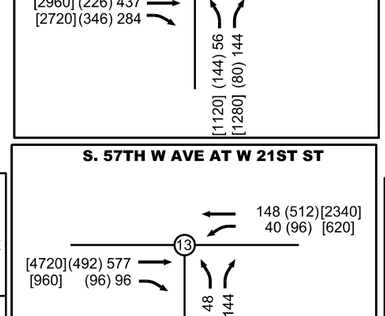
CHARLES PAGE BLVD AT S 49TH W AVE



CHARLES PAGE BLVD AT S 65TH W AVE



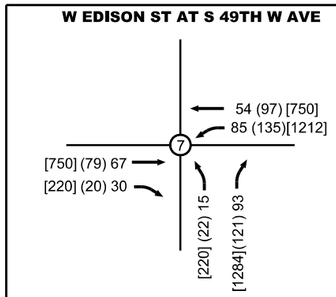
GILCREASE EXPRESSWAY NB RAMPS AT W 21ST ST S



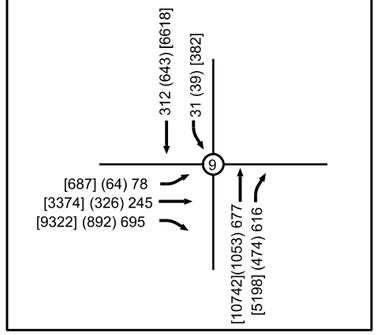
S. 57TH W AVE AT W 21ST ST



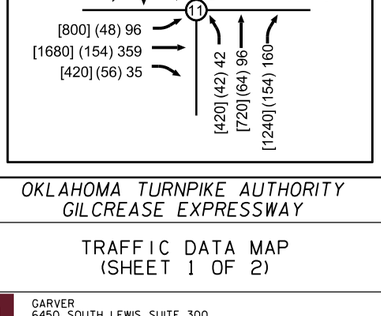
W EDISON ST AT S 49TH W AVE



KEYSTONE EB RAMP AT GILCREASE EXPRESSWAY



AVERY DR/W 21ST ST S AT GILCREASE EXPRESSWAY SB RAMPS



FACTOR	I-44	KEYSTONE	GILCREASE ULTIMATE
K=	10%	10%	10%
D=	55%	60%	52%
T (AADT)=	17%	11%	7%
T (DHV)=	14%	8%	5%
T 3=	12%	6%	3%

LEGEND

XXX (XXX) [XX] - AM (PM) [AADT]
XXX - AM DESIGN HOURLY VOLUME
(XXX) - PM DESIGN HOURLY VOLUME
AADT - AVERAGE ANNUAL DAILY TRAFFIC

GILCREASE EXPRESSWAY
W EDISON ST TO W 51ST ST S
PARTIAL BUILD
2045 TRAFFIC VOLUMES

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

TRAFFIC DATA MAP (SHEET 1 OF 2)

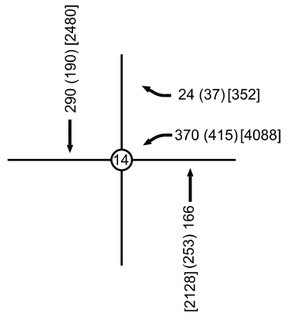
GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	MLS	9/17	CONTRACT NO. GCT-2500
DETAILED	CEM	9/17	DATE: 10/30/2017 — SHEET NO. T001
CHECKED	NAB	10/17	

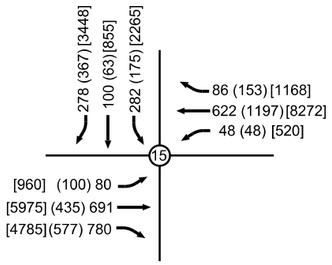
OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

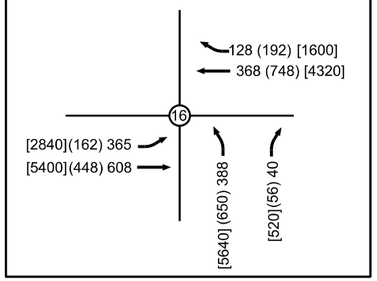
S 57TH W AVE AT GILCREASE EXPRESSWAY SB RAMP



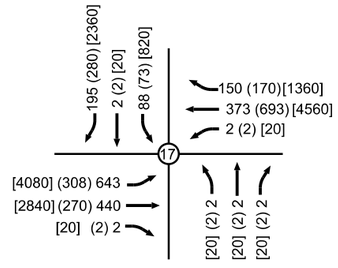
W 41ST ST S AT GILCREASE EXPRESSWAY SB RAMP

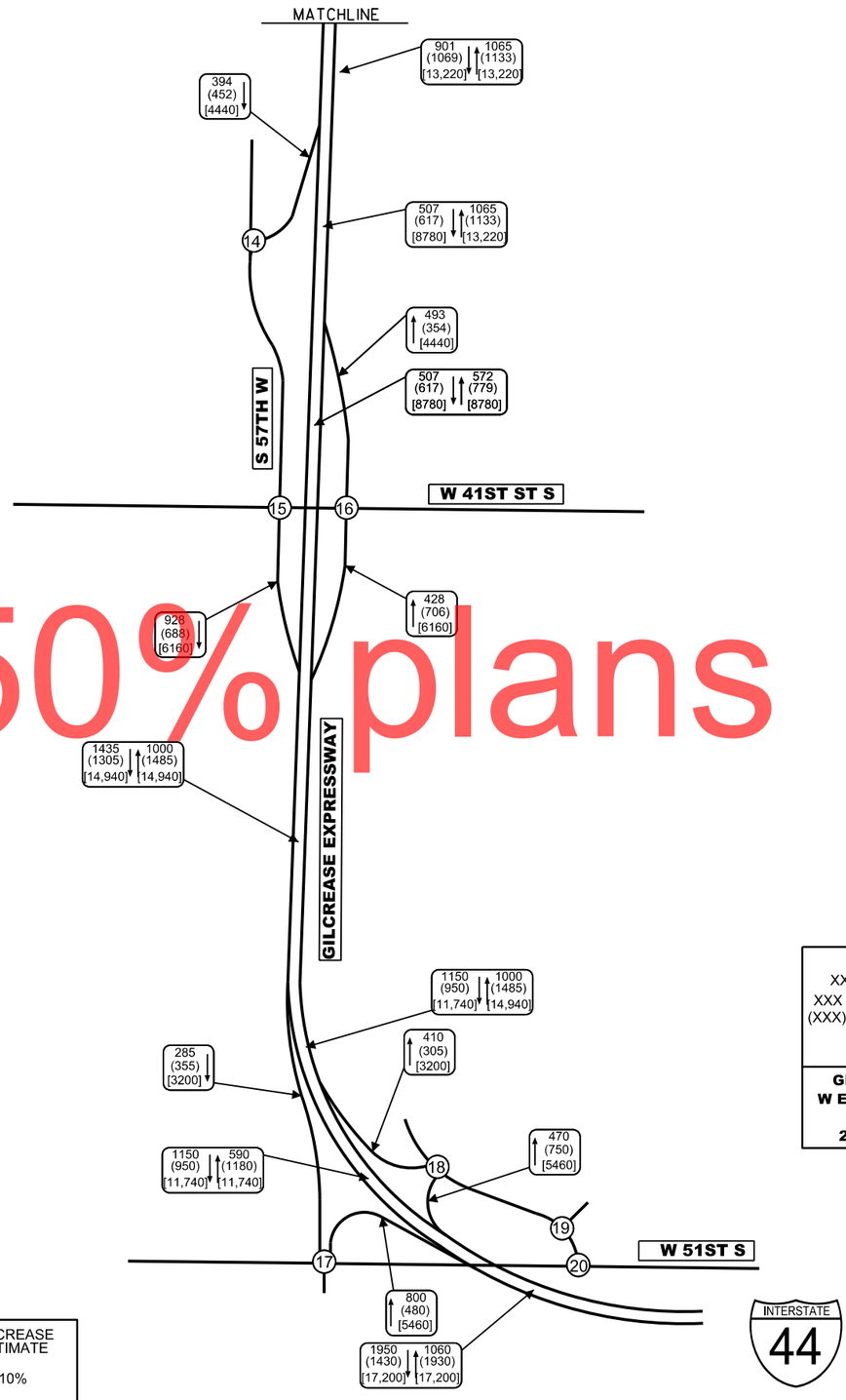


W 41ST ST S AT GILCREASE EXPRESSWAY NB RAMP

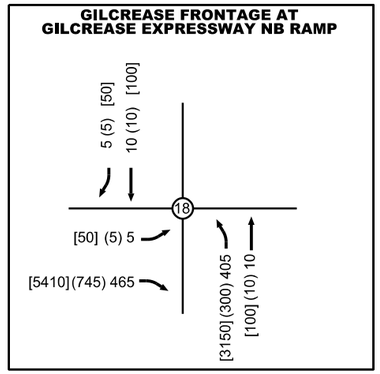


W 51ST ST S AT GILCREASE EXPRESSWAY SB RAMPS

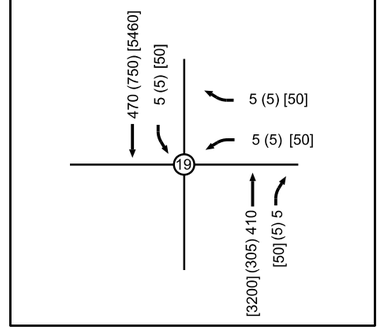




GILCREASE FRONTAGE AT GILCREASE EXPRESSWAY NB RAMP



GILCREASE FRONTAGE AT LOCAL DRIVEWAY

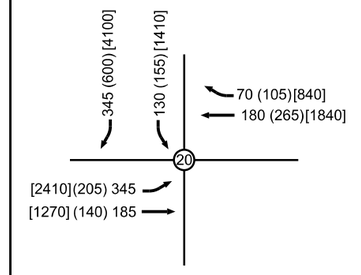


LEGEND

XXX (XXX) [XX] - AM (PM) [AADT]
XXX - AM DESIGN HOURLY VOLUME
(XXX) - PM DESIGN HOURLY VOLUME
AADT - AVERAGE ANNUAL DAILY TRAFFIC

GILCREASE EXPRESSWAY
W EDISON ST TO W 51ST ST S
PARTIAL BUILD
2045 TRAFFIC VOLUMES

GILCREASE FRONTAGE AT W 51ST ST S



FACTOR	I-44	KEYSTONE	GILCREASE ULTIMATE
K=	10%	10%	10%
D=	55%	60%	52%
T (AADT)=	17%	11%	7%
T (DHV)=	14%	8%	5%
T 3=	12%	6%	3%

50% plans

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

TRAFFIC DATA MAP (SHEET 2 OF 2)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	MLS	9/17	CONTRACT NO. GCT-2500	
DETAILED	CEM	9/17	DATE: 10/30/2017	SHEET NO. T002
CHECKED	NAB	10/17		

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

0 50 100 150
SCALE

SEC 33 T19N R12E

SEC 32 T19N R12E

90+00

95+00 95+00

101

C.R.L. GILCREASE EXPRESSWAY

1257.28'
S89°03'45.00"W

℄ SURVEY A001

1044.27'
S88°57'14.38"W

102

103

100+00 100+00

PC ℄ SURVEY A001 100+44.27

2642.99'
N-S 391 SECTION LINE N00°55'17.46"W

PC C.R.L. 100+57.28

C-1

STA. 102+00

℄ SURVEY A011

510+00

708

℄ SHOOFLY 1 675.13'
S89°53'06.44"E

PI ℄ SURVEY 49TH W AVE 512+00.00

STA. 121+00

306

E-W 64 SECTION LINE 2640.52'
N89°05'08.64"E

℄ SURVEY A010

1000.00'
S89°05'08.64"E

℄ W. 51ST ST.

497.14'
N89°05'08.64"E

℄ SURVEY A010 572.49'
N88°55'25.16"E

2652.86'
N89°15'06.99"E

305

STA. 545+00

90+00

550+00

85+00

PI ℄ SURVEY A010 831+91.98

2645.38'
N00°49'17.86"W

PI W. 51ST ST. 546+52.86

SEC 29 T19N R12E

50% plans

FOR GEOMETRIC CURVE DATA SEE SHEETS R030 - R036
FOR INTERSECTION POINTS SEE SHEETS R037 - R041

MODIFIED STATE PLANE COORDINATES, SEE SURVEY DATA SHEETS S001 - S051

SEC 28 T19N R12E

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

GEOMETRIC LAYOUT
(SHEET 1 OF 38)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17	DATE: 10/30/2017	SHEET NO. R004
CHECKED	NAB	10/17		

OKLAHOMA TURNPIKE AUTHORITY

SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SEC 32 T19N R12E

0 50 100 150
SCALE

STA. 102+00
105+00
201
PI RAMP A W. 51ST ST. 1106+45.40
PT RAMP A W. 51ST ST. 1107+75.52
PC RAMP A W. 51ST ST. 1109+35.88
PT ℄ SHOOFLY I 112+87.42
PI ℄ SHOOFLY I 112+49.18
PC ℄ SHOOFLY I 112+10.68
PI RAMP A W. 51ST ST. 1111+73.17
RAMP A - W. 51ST ST.
RP-9
160.35'
N73°06'59.91"W
C.R.L
℄ SURVEY A001
GILCREASE EXPRESSWAY
C-1
110+00
336
337
338
335
577.35'
N86°11'05.20"E
℄ SHOOFLY I
STA. 106+75
N-S 390.75
1/16 SECTION LINE
1322.45'
S0°53'2.63"E
PC ℄ SHOOFLY I 115+43.60
PT ℄ SHOOFLY I 116+45.01
207
256.19'
N74°40'28.21"E
706
RAMP B - W. 51ST ST.
RP-1
PI RAMP B W. 51ST ST. 2110+57.11
115+00
2110+00
RP-10
STA. 121+00
120+00
℄ SHOOFLY I
675.13'
N89°53'06.44"E
PI ℄ SHOOFLY I 115+94.60
202
STA. 1114+00
517
516
103
501
518
208
572.49
N88°55'25.16"E
℄ SURVEY A010
2652.86'
N89°15'6.99"E
℄ W. 51ST ST.
E-W 64
1/4 SECTION LINE
2652.86'
N89°15'6.99"E
℄ SURVEY A010
1335.22'
N89°17'58.87"E
STA. 545+00
304
33.00'
N0°44'53.01"W
PC
51ST FRONTAGE RD.
10+36.08
540+00
80+00
75+00
PI ℄ SURVEY A010
78+19.49
RP-2
STA. 2114+00
PCC RAMP B535+00
W. 51ST ST.
2112+87.54
RD-2
307
85.63'
N43°50'32.34"E
PI 51ST FRONTAGE RD. 12+78.71
RD-21
PC AREA 51 DRIVE 0+85.63
PT 51ST FRONTAGE RD. 14+55.45
15+00
PC 51ST FRONTAGE RD. 15+81.58
126.13'
N72°54'15.29"W
51ST ST. FRONTAGE RD.
RD-3
PI AREA 51 DRIVE 1+36.89
PT AREA 51 DRIVE 1+82.92
46.90'
N00°44'53.01"W
STA. 18+00
SEC 29 T19N R12E

50% plans

FOR GEOMETRIC CURVE DATA SEE SHEETS R030 - R036
FOR INTERSECTION POINTS SEE SHEETS R037 - R041

MODIFIED STATE PLANE COORDINATES, SEE SURVEY DATA SHEETS S001 - S051

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

GEOMETRIC LAYOUT
(SHEET 2 OF 38)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17	DATE: 10/30/2017	SHEET NO. R005
CHECKED	NAB	10/17		

50% plans

OKLAHOMA TURNPIKE AUTHORITY

SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SEC 32 T19N R12E

SCALE 0 50 100 150

STA. 102+00 ℄ SHOOFLY 1
PC ℄ SHOOFLY 1 100+34.86
246 334 245 214 206 713 714 205 715 215 TR-30
℄ SURVEY A010 1335.22' E-W 64 2652.86' N89°17'58.87"E | SECTION LINE N89°15'6.99"E
℄ W. 51ST ST. 2652.86' N89°15'06.99"E
℄ SURVEY A010 484.27' N89°13'27.84"E 1000.00' N89°20'49.53"E
2646.8' N0°50'48"W
302 5/4 333 STA. 519+00
2000.00' N89°07'30.21"E

516 303 515 203 104 STA. 1114+00 PCC RAMP A W. 51ST ST. 1114+07.62 1115+00 PI RAMP A W. 51ST ST. 1115+78.61
502 STA. 2114+00 204 209 PI RAMP B W. 51ST ST. 2114+10.41 70+00 115+00 115+00
10 1 2 TRAIL 3 746.82' S89°15'6.99"W 4 15 1125+00, 6 7
RP-1 RAMP A - W. 51ST ST. RP-2 RAMP B - W. 51ST ST.
PT RAMP A W. 51ST ST. 1124+51.10
100.00' S0°44'53.0"E 525+00
PI RAMP A W. 51ST ST. 1117+49.02 530+00
PI ℄ SURVEY A010 65+00 64+84.27
256.62' N0°44'53.0"W 256.50' 200.50' N0°44'53.01"W 8 9
PI ℄ SURVEY A010 60+00 60+00.00
PI W. 51ST ST. 520+00.00 56.42' N0°52'29.79"W 520+00
PI S. 57TH W. AVE. AT W. 51ST ST. 0+56.42
S. 57TH W. AVE AT 51ST
263.61' N0°7'30.21"E
79.97' N0°27'44.75"W
PI S. 57TH W. AVE. AT W. 51ST ST. 3+20.03
PT RAMP B W. 51ST ST. 2115+31.58 2115+00
PC RAMP A W. 51ST ST. 1119+22.07 1120+00 120+00
173.05' N49°31'46.52"W
℄ SURVEY A001 C-1 I.C.R.L. GILCREASE EXPRESSWAY
PC ℄ SHOOFLY 3 102+58.62
PC RAMP C W. 51ST ST. 3119+57.28 3120+00
TR-31 1 TRAIL 2 RP-7 RAMP C - W. 51ST ST. 3
PT ℄ SHOOFLY 3 107+05.84
PI RAMP A W. 51ST ST. 3124+31.11
PT RAMP C W. 51ST ST. 3124+03.11 4
℄ SHOOFLY 3 392.26' N10°46'44.64"W
3125+00 STA. 25+00
STA. 3125+00
STA. 125+00
SEC 29 T19N R12E

STA. 18+00 RD-3 308 PI RAMP B- W. 51ST ST. 2120+71.87 220+00 2120+00
PC RAMP B W. 51ST ST. 2117+18.47 RP-3
51ST ST. FRONTAGE RD. 20.54' N44°18'45.77"E 210
28.03' S50°52'30.77"W RAMP D - W. 51ST ST. RP-4
717 211 PC RAMP D W. 51ST ST. 4120+72.02 STA. 23+00
PT RAMP D W. 51ST ST. 4124+05.61 368.39' N33°33'28.85"W STA. 4125+00
PI RAMP B W. 51ST ST. 2119+40.21
PI RAMP D-51ST 4122+92.46
PI 51ST FRONTAGE RD. 23+88.36
PI RAMP C W. 51ST ST. 3121+80.77
PI ℄ SHOOFLY 3 104+82.80
PI RAMP A W. 51ST ST. 3124+31.11

2643.78' N0°48'40.52"W 390.75 1/16 SECTION LINE
2642.17' N0°48'3.1"W 390.5 N-S 1/4 SECTION LINE

FOR GEOMETRIC CURVE DATA SEE SHEETS R030 - R036
FOR INTERSECTION POINTS SEE SHEETS R037 - R041

MODIFIED STATE PLANE COORDINATES, SEE SURVEY DATA SHEETS S001 - S051

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

GEOMETRIC LAYOUT (SHEET 3 OF 38)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R006

TULSA COUNTY

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SEC 29 T19N R12E

STA. 23+00
STA. 4125+00
STA. 125+00
125+00
STA. 3125+00
STA. 25+00
25+00
110+00
105+00
130+00
3130+00
4130+00
115+00
STA. 4135+00
STA. 135+00
STA. 3135+00
STA. 35+00

718
719
720
721
309
212
503
105
716
401
216

PRC ℄ SHOOFLY 4
103+13.29

PI ℄ SHOOFLY 4
104+24.97

PT ℄ SHOOFLY 4
105+23.27

PC RAMP D
W. 51ST ST.
4127+74.00

PI RAMP D
W. 51ST ST.
4128+95.69

PCC RAMP D
W. 51ST ST.
4130+15.74

PI RAMP D
W. 51ST ST.
4133+09.55

PI ℄ SHOOFLY 3
111+32.58

PC RAMP C
W. 51ST ST.
3132+49.05

PI RAMP C
W. 51ST ST.
3134+24.85

PT
51ST FRONTAGE RD.
29+71.05
30+00

℄ SHOOFLY 4
℄ SHOOFLY 3
℄ SURVEY A001
C.R.L. GILCREASE EXPRESSWAY
C-1
RAMP D - W. 51ST ST.
RAMP C - W. 51ST ST.
RD-3
W. 51ST ST. FRONTAGE RD.
TRAIL
TR-32
TR-33
TR-34
RP-5
RP-6
RP-8

N33°33'28.85"W 368.39'
N10°46'44.64"W 392.26'
N10°46'44.64"W 845.94'
N27°12'52.8"W 461.88'
N09°42'16.63"W 370.00'
N0°2'34.03"E 69.19'

E-W 63.75 1326J9'
1/16 SECTION LINE S89°13'22.22"W

N-S 3905 2642.17'
1/4 SECTION LINE N0°48'3.1"W

0 50 100 150
SCALE

50% plans

FOR GEOMETRIC CURVE DATA SEE SHEETS R030 - R036
FOR INTERSECTION POINTS SEE SHEETS R037 - R041

MODIFIED STATE PLANE COORDINATES, SEE SURVEY DATA SHEETS S001 - S051

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

GEOMETRIC LAYOUT
(SHEET 4 OF 38)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17
DETAILED	BWH	7/17
CHECKED	NAB	10/17

CONTRACT NO. GCT-2500
DATE: 10/30/2017
SHEET NO. R007

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

0 50 100 150
SCALE

SEC 29 T19N R12E



50% plans

FOR GEOMETRIC CURVE DATA SEE SHEETS R030 - R036
FOR INTERSECTION POINTS SEE SHEETS R037 - R041

MODIFIED STATE PLANE COORDINATES, SEE SURVEY DATA SHEETS S001 - S051

SEC 29 T19N R12E

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

GEOMETRIC LAYOUT
(SHEET 5 OF 38)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R008

TULSA COUNTY

SEC 29 T19N R12E

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

0 50 100 150
SCALE

PROPOSED R/W
10/30/2017

2644.87'
N00°48'03.11"W
N-S 390.5
1/4 SECTION LINE

STA. 50+00
1
2
934.42'
N00°19'22.00"W
3
TRAIL
4
55
1155+00
6
403
7
PC RAMP A
W. 41ST ST. S.
1157+00.00
8
TR-37
9
60
1160+00
PT RAMP A
W. 41ST ST. S.
1160+23.54
1
444.51'
N10°16'58.86"W
2
3
4
TR-38
STA. 65+00

218
580.00'
N00°19'22.00"W
219
RP-18
RAMP A - W. 41ST ST. S.
497.91'
N10°01'44.09"W
STA. 1165+00

STA. 150+00
150+00
155+00
155+00
160+00
160+00
3524.46'
N00°19'22.00"W
C.R.L. GILCREASE EXPRESSWAY
3524.46
N00°19'22.00"W
STA. 165+00

10897.36'
N0°0'00"W
℄ SURVEY A001
504
107
PI RAMP A
W. 41ST ST. S.
1158+62.16

550.00'
N03°06'48.49"E
222
223
RP-13
RAMP B - W. 41ST ST. S.
503.33'
N09°38'43.39"E

2155+00
PC RAMP B
W. 41ST ST. S.
2157+00.00
PI RAMP B
W. 41ST ST. S.
2158+63.48
2160+00
PT RAMP B
W. 41ST ST. S.
2160+26.60
STA. 2165+00

2650.62'
N89°09'52.16"E
E-W 63.25
1/16 SECTION LINE

SEC 29 T19N R12E

50% plans

FOR GEOMETRIC CURVE DATA SEE SHEETS R030 - R036
FOR INTERSECTION POINTS SEE SHEETS R037 - R041

MODIFIED STATE PLANE COORDINATES. SEE SURVEY DATA SHEETS S001 - S051

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

GEOMETRIC LAYOUT
(SHEET 6 OF 38)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R009

TULSA COUNTY

SEC 29 T19N R12E

SEC 20 T19N R12E

0 50 100 150
SCALE

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

50% plans

STA. 1165+00
PC RAMP A W. 41ST ST. S. 1165+21.44
PI RAMP A W. 41ST ST. S. 1165+90.94
PT RAMP A W. 41ST ST. S. 1166+60.10
RAMP A - W.41ST ST. S.
RD-19
355.83' N00°19'22.00"W
TRAIL
302.99' N00°19'22.01"W
TR-39
TR-40
245.74' N00°19'22.00"W
TRAIL
TR-41
327.50' N03°29'28.67"E
TRAIL
179.68' N00°19'22.00"W
TR-42
RD-4
STA. 67+00
STA. 80+25
PC S. 57TH W. AVE AT W. 41ST ST. S. 64+14.17
PI S. 57TH W. AVE AT W. 41ST ST. S. 66+43.61
PI W. 41ST ST. S. 410+00.00
714.17' N00°19'22.00"W
S. 57TH W. AVE AT W. 41ST ST. S.
PC C.R.L. 172+00.00
PI C.R.L. 176+50.95
C.R.L. GILCREASE EXPRESSWAY
C-2
3524.46' N00°19'22.00"W
3524.46 N00°19'22.00"W
STA. 165+00
STA. 180+00
10897.36' S0°0'00"W
℄ SURVEY A001
℄ W. 41ST ST. S.
℄ W. 39TH ST.
2649.04' N89°06'52.8"W ℄ SURVEY A009
2644.87' N00°48'03.31"W
N-S 390.5 1/4 SECTION LINE
1319.71' N0°01'10.45"W
2649.33' N89°12'0.9"E
E-W 63 SECTION LINE
15+00
20+00
165+00
170+00
175+00
180+00
519
248
311
520
404
70
1
75
249
250
220
221
521
312
109
522
108
251
505
506
252
253
55+00
528.22' N10°01'24.15"W
RAMP D - W.41ST ST. S.
1395.06' N88°57'20.84"E
523
224
PI ℄ SURVEY A009 21+06.89
PI W. 41ST ST. S. 414+00.00
447.59' N00°19'22.00"W
RP-15
STA. 2165+00
STA. 2170+00
STA. 2180+00
RD-14
RAMP B - W.41ST ST. S.
363.70' N00°19'22.00"W
PC RAMP B W. 41ST ST. S. 2165+29.92
PI RAMP B W. 41ST ST. S. 2165+92.38
PT RAMP B W. 41ST ST. S. 2166+54.53
2170+00
4170+00
415+00
RD-8
S. 55TH W. AVE.
100.18' N0°23'24.91"E
151.63' N01°26'22.28"W
247
524
PC S. 55TH W. AVE 56+00.18
PI S. 55TH W. AVE 56+36.78
PT S. 55TH W. AVE 56+73.37
PC RAMP D W. 41ST ST. S. 4174+45.19
PI RAMP D W. 41ST ST. S. 4175+14.64
PT RAMP D W. 41ST ST. S. 4175+83.77
4175+00

MODIFIED STATE PLANE COORDINATES, SEE SURVEY DATA SHEETS S001 - S051

FOR GEOMETRIC CURVE DATA SEE SHEETS R030 - R036
FOR INTERSECTION POINTS SEE SHEETS R037 - R041

SEC 29 T19N R12E

SEC 20 T19N R12E

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

GEOMETRIC LAYOUT (SHEET 7 OF 38)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R010

SEC 20 T19N R12E

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SCALE 0 50 100 150

50% plans

STA. 67+00 — STA. 80+25 — TRAIL 1 — TR-42 — RD-4 — 2 — ℄ S. 57TH W. AVE. AT W. 41ST ST. S. — TR-43 — 3 — RD-5 — 316 — 4 — PRC S. 57TH W. AVE. AT W. 41ST ST. S. A 68+69.83 — 405 — 406 — 70+00 — PI S. 57TH W. AVE. AT W. 41ST ST. S. 70+88.76 — 85 — 6 — PT S. 57TH W. AVE. AT W. 41ST ST. S. 73+05.06 — 317 — 7 — 351.51' N1°0'24.31"W — 8 — 75+00 — 227 — 228 — 62.81' N88°58'49.57"E — 9 — TR-44 — 318 — 10 — 794.94' N1°00'24.31"W — 2639.41' N0°0'10.45"W — N-S 390.5 SECTION LINE — 80+00

1324.87' S89°59'12.8"W

134.97' N58°59'35.69"E

TR-45 — 407 — 1 — PC RAMP C W. 41ST ST. S. 3188+42.03 — RP-18 — 3190+00 — 2 — TRAIL — 3 — 364.60' N26°57'7.19"E — 4 — PT RAMP C W. 41ST ST. S. 3190+40.80 — 343.39' N9°41'37.08"E — RAMP C - W. 41ST ST. S. — TR-46 — 95 — PC RAMP C W. 41ST ST. S. 3193+84.19 — 6 — TR-47 — STA. 96+75 — STA. 94+00

PI RAMP C W. 41ST ST. S. 3189+48.04

PT C.R.L. 188+74.47

190+00 / 190+00

STA. 195+00 STA. 3194+00

1324.28' S89°59'17.33"W

PRC C.R.L. 181+01.79

E-W 6275 1/16 SECTION LINE

185+00 / 185+00

110 — 507 — C-3 — C.R.L. GILCREASE EXPRESSWAY — 4727.11' N00°00'00"W — 10897.36' N00°00'00"W — ℄ SURVEY A001 — 508

STA. 180+00 — STA. 4180+00 — RP-16 — 528.22' N10°01'24.15"W — 225 — RAMP D - W. 41ST ST. S. — RP-17 — 185.53' N00°00'00"W — 226

PC RAMP D W. 41ST ST. S. 4181+11.98

PI RAMP D W. 41ST ST. S. 4182+96.04

PRC RAMP D W. 41ST ST. S. 4184+78.97 PI C.R.L. 184+88.17 4185+00

PI RAMP D W. 41ST ST. S. 4186+76.72

PT RAMP D W. 41ST ST. S. 4188+74.47

4180+00 / 4190+00

MODIFIED STATE PLANE COORDINATES, SEE SURVEY DATA SHEETS S001 - S051

FOR GEOMETRIC CURVE DATA SEE SHEETS R030 - R036
FOR INTERSECTION POINTS SEE SHEETS R037 - R041

SEC 20 T19N R12E

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

GEOMETRIC LAYOUT (SHEET 8 OF 38)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R011

SEC 20 T19N R12E

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

0 50 100 150
SCALE

2639.87'
S0°01'10.45"E

N-S 390.5
1/4 SECTION LINE

1324.87'
N89°13'40.94"W

E-W 625
1/4 SECTION LINE

2647.8'
N89°11'32.73"E

1323.72'
S89°14'9.34"W

E-W 622.5
1/16 SECTION LINE

PT RAMP C
W. 41ST ST. S.
3197+43.87

STA. 96+75

STA. 3195+00

195+00

200+00

205+00

STA. 112+00

STA. 210+00

408

409

111

112

229

230

RP-19

7 TR-48

8

118.29'
N5°32'53.94"W

9

TR-49

TR-50

100

309.83'
N2°29'59.70"E

1

2

3

TR-51

4

TRAIL

105

482.27'
N1°14'6.23"W

6

7

8

TR-52

TR-53

9

166.42'
N00°00'00"W

110

TR-54

1

TR-55

RAMP C - W. 41ST ST. S.

756.13'
N02°30'00.00"E

10897.36'
N00°00'00"W

℄ SURVEY A001

C.R.L. GILCREASE EXPRESSWAY

4727.11'
N00°00'00"W

P.I. RAMP C
W. 41ST ST. S.
3195+64.27

50% plans

FOR GEOMETRIC CURVE DATA SEE SHEETS R030 - R036
FOR INTERSECTION POINTS SEE SHEETS R037 - R041

MODIFIED STATE PLANE COORDINATES, SEE SURVEY DATA SHEETS S001 - S051

SEC 20 T19N R12E

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

GEOMETRIC LAYOUT
(SHEET 9 OF 38)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500		
DETAILED	BWH	7/17			
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO.	R012

SEC 20 T19N R12E

0 50 100 150
SCALE

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

E-W 62 SECTION LINE

SEC 17 T19N R12E

STA. 112+00

2 174.05' N0°0'0.00"E 3 TR-55, 4 115 6 7 8 TRAIL 9 120 1 967.93' N3°10'17.86"W 2 3 410 4 TR-56 321 125 6 276.39' N0°32'52.28"W

STA. 127+00

215+00
215+00

220+00
220+00

STA. 210+00

℄ SURVEY A001 10897.36' N00°00'00"W C.R.L. GILCREASE EXPRESSWAY 4727.11' N00°00'00"W

15+00

℄ SURVEY A008 2647.07' N89°16'46.00"E

114

113

STA. 225+00

SEC 17 T19N R12E

SEC 20 T19N R12E

SEC 17 T19N R12E

STA. 127+00

7 TR-57 35.50' N26°49'58.73"E 8 TR-58 9 130 1 TRAIL 2 3 555.65' N0°34'24.35"W 4 TR-59 135 155.10' N47°54'1.13"W 6 7 8 9 140 1 247.67' N12°46'10.38"E 2

STA. 143+00

0 50 100 150
SCALE

230+00
230+00

235+00
235+00

PC C.R.L.
236+01.57

STA. 225+00

℄ SURVEY A001 10897.36' N00°00'00"W C.R.L. GILCREASE EXPRESSWAY 4727.11' N00°00'00"W

509 115 510

C-4

STA. 240+00

E-W 61/75 1/16SECTION LINE 1323.97' N89°19'18.3"E

FOR GEOMETRIC CURVE DATA SEE SHEETS R030 - R036
FOR INTERSECTION POINTS SEE SHEETS R037 - R041

MODIFIED STATE PLANE COORDINATES, SEE SURVEY DATA SHEETS S001 - S051

SEC 17 T19N R12E

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

GEOMETRIC LAYOUT
(SHEET 10 OF 38)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R013

50% plans

SEC 17 T19N R12E

N-S 390.5
1/4 SECTION LINE

2643.43'
S1°0'58.72"E

2643.23'
S01°00'58.72"E

0 50 100 150
SCALE

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

STA. 143+00

3 4 TR-61 145 6 7 8 TRAIL 9 TR-62 150 1 2

412

3 TR-63 4

413

155 200 TRAIL 1 532.38'
TR-1 N6°36'17.70"W

STA. 202+00

E-W 615
1/4 SECTION LINE

2648.8'
N89°22'12.77"E

240+00 245+00 250+00

STA. 240+00

10897.36
N00°00'00"W

℄ SURVEY A001

C.R.L. GILCREASE EXPRESSWAY

116

C-4

STA. 255+00

RAMP B - W.21ST ST. S.

231

552.29'
N04°52'12.26"W

PC
℄ SURVEY A001
245+83.47

PI C.R.L.
252+52.58

PI
℄ SURVEY A001
252+43.87

50% plans

FOR GEOMETRIC CURVE DATA SEE SHEETS R030 - R036
FOR INTERSECTION POINTS SEE SHEETS R037 - R041

MODIFIED STATE PLANE COORDINATES, SEE SURVEY DATA SHEETS S001 - S051

SEC 17 T19N R12E

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

GEOMETRIC LAYOUT
(SHEET 11 OF 38)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R014

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

0 50 100 150
SCALE

SEC 17 T19N R12E

2649.66'
N89°22'12.77"E

2643.23'
S01°00'58.72"E

N-S 390.5
1/4 SECTION LINE

SURVEY ℄ A012
500.00'
N01°00'58.72"W

STA. 202+00

2 3 532.38' 4 TRAIL 205 6 TR-2 7 8 265.89' 9 210 TR-3 1 TRAIL 2 3 4 661.37' 215 6

N06°36'17.70"W

N15°12'55.26"W

N02°10'37.89"W

414

STA. 217+00

PT C.R.L.
268+89.07

538.82'
N13°09'00.01"W

STA. 270+00

C.R.L. GILCREASE EXPRESSWAY

5/3

PT ℄ SURVEY A001
258+98.47

PC RAMP B
W. 21ST ST. S.
2259+52.29

260+00 260+00

265+00 265+00

117

C-4

1529.42'
S13°09'0.01"W

℄ SURVEY A001

5/2

STA. 255+00

552.29'
N04°52'12.26"W

PI RAMP B
W. 21ST ST. S.
2262+33.15

RAMP B - W.21ST ST. S.

RP-20

511

232

2265+00 PT RAMP B
W. 21ST ST. S.
2265+03.16

603.04'
N22°40'24.36"E

STA. 2268+00

2648.80'
N89°22'12.77"E

50% plans

FOR GEOMETRIC CURVE DATA SEE SHEETS R030 - R036
FOR INTERSECTION POINTS SEE SHEETS R037 - R041

MODIFIED STATE PLANE COORDINATES, SEE SURVEY DATA SHEETS S001 - S051

SEC 17 T19N R12E

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

GEOMETRIC LAYOUT
(SHEET 12 OF 38)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R015

SEC 8 T19N R12E

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

0 50 100 150
SCALE

STA. 1281+00
STA. 280+00
280+00
RP-28
1280+00
N-S 3905 1/4 SECTION LINE
C.R.L. GILCREASE EXPRESSWAY C-5
2651.09'
S1°32'04"E
PRC RAMP A
W. 21ST ST. S.
1278+43.50
RAMP A - W. 21ST ST. S.
220+00
25+00
120
118
119
RP-27
E-W 61 SECTION LINE
2650.53'
N89°27'23.13"E
℄ W. 21st ST. S.
2674.43'
N89°27'23.13"E
℄ SURVEY A002
2613.90'
N89°27'23.13"E
225+00
30+00
233
234
STA. 228+00
2275+00
323.16'
N00°32'36.87"W
RAMP B - W. 21ST ST. S.
323.16'
N00°32'36.87"W
RAMP F - W. 21ST ST. S.
323.16'
S00°32'36.87"E
PT RAMP B
W. 21ST ST. S.
2273+12.58
PI RAMP A
W. 21ST ST. S.
1276+94.61
238
TR-7
386.67'
S89°27'23.13"W
225
TRAIL
6
236
49.30'
N00°32'36.87"W
327
237
TR-8
TR-9
3
416
STA. 226+50
20+00
SEE SHEET R028 STA. 215+00
PT S. 57TH W. AVE
AT W. 21ST ST. S.
62+00.70
275+00
PC RAMP C
W. 21ST ST. S.
3263+23.53
PI RAMP B
W. 21ST ST. S.
2272+10.83
PC R.L. C-274+27.89
PC ℄ SURVEY A001
274+27.89
235
227.89'
N13°09'01"W
PI S. 57TH W. AVE
AT W. 21ST ST. S.
61+55.81
PRC S. 57TH W. AVE
AT W. 21ST ST. S.
61+08.25
275+00
251.32'
N13°09'01"W
S. 57TH W. AVE. AT W. 21ST ST. S.
1529.42'
N13°09'01"W
PT RAMP C
W. 21ST ST. S.
3272+00.00
℄ SURVEY A001
PC RAMP B
W. 21ST ST. S.
2271+06.20
3265+00
60+00
PI S. 57TH W. AVE
AT W. 21ST ST. S.
59+67.56
220+00
TR-10
2643.22'
S1°58'12"E
9
TRAIL
415
PC S. 57TH W. AVE
AT W. 21ST ST. S.
58+18.84
118.84'
N01°18'14.39"W
8
N2°10'37.89"W
661.37'
538.82'
N13°09'01"W
RAMP C - W. 21ST ST. S.
RP-22
2270+00
603.04'
N22°40'24.36"E
RP-21
STA. 270+00
STA. 217+00
500.00'
N0°0'58.72"W
℄ SURVEY A012
STA. 2268+00

50% plans

FOR GEOMETRIC CURVE DATA SEE SHEETS R030 - R036
FOR INTERSECTION POINTS SEE SHEETS R037 - R041

MODIFIED STATE PLANE COORDINATES, SEE SURVEY DATA SHEETS S001 - S051

SEC 17 T19N R12E

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

GEOMETRIC LAYOUT
(SHEET 13 OF 38)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R016

OKLAHOMA TURNPIKE AUTHORITY

SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

0 50 100 150
SCALE

SEC 8 T19N R12E

STA. 228+00 — 230+00 — 35+00 — 235+00 — 40+00

N-S 390.75 — 1/16 SECTION LINE

1324.86' S0°59'27.05"E

1320.68' N0°59'52.36"W

328 — ℄ SURVEY A002 — 2613.90 N89°27'23.13"E

℄ W. 21ST ST. S. — 2674.43' N89°27'23.13"E — 329 — 2650.53' N89°27'23.13"E

SEC 17 T19N R12E

W 21ST STREET S

STA. 4284+00 — SEE SHEET R028

515.53' S49°1'20.00"E

628.82' N35°58'40.00"E

4285+00 PC RAMP D W. 21ST ST. S. 4285+32.82

RAMP A - W. 21ST ST. S.

RAMP D - W. 21ST ST. S.

7.47' S85°35'50.50"E

RP-24 — RP-25 — RP-26

PRC RAMP D W. 21ST ST. S. 4289+25.00

PI RAMP D W. 21ST ST. S. 4289+63.75

PCC RAMP D W. 21ST ST. S. 4290+02.50

4290+00

PI ℄ SURVEY A001 290+26.24 PI C.R.L. 290+26.24

PI RAMP D W. 21ST ST. S. 4291+08.73

SEC 8 T19N R12E

0 50 100 150
SCALE

418 — 243 — 121 — 244

1 2 3 4 5 6 7 8 9 TRAIL 245 250

STA. 251+00

STA. 285+00 285+00

PI RAMP A W. 21ST ST. S. 1286+27.66

PI RAMP D W. 21ST ST. S. 4287+38.73

℄ SURVEY A001

C-5

C.R.L. GILCREASE EXPRESSWAY

STA. 280+00

E-W 6075 1320.21' 1/16 SECTION LINE S89°29'7.92"W

290+00 290+00

STA. 295+00

SEC 8 T19N R12E

GILCREASE EXPRESSWAY

SEC 8 T19N R12E

0 50 100 150
SCALE

STA. 251+00 — 1 2 3 4 TRAIL 255 6 — STA. 257+00

STA. 295+00 — ℄ SURVEY A001 — C-5 — C.R.L. GILCREASE EXPRESSWAY — STA. 300+00

SEC 8 T19N R12E

GILCREASE EXPRESSWAY

FOR GEOMETRIC CURVE DATA SEE SHEETS R030 - R036
FOR INTERSECTION POINTS SEE SHEETS R037 - R041

MODIFIED STATE PLANE COORDINATES, SEE SURVEY DATA SHEETS S001 - S051

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

GEOMETRIC LAYOUT (SHEET 14 OF 38)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R017

50% plans

50% plans

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SCALE 0 50 100 150

SEC 8 T19N R12E

STA. 300+00 | STA. 257+00 | 7 | 8 | 9 | 419 | 260 | 1 | 305+00 305+00 | 2 | 3 | PT C.R.L. 306+11.42 | 4 | 265 | 6 | 310+00 310+00 | 7 | 8 | TRAIL | 9 | 270 | 1 | STA. 315+00 271+50

E-W60.5 — 1/4 SECTION LINE
2653.76' N89°30'52.58"E

122 — 2653.76' N89°30'52.58"E

PT GILCREASE SURVEY 306+11.42

C-5

C.R.L. GILCREASE EXPRESSWAY
4514.78' N00°24'57.17"W
4514.78' N00°24'57.17"W
℄ SURVEY A001

SEC 8 T19N R12E

GILCREASE EXPRESSWAY

SEC 8 T19N R12E

SCALE 0 50 100 150

STA. 271+50 | 420 | 2 | 3 | 4 | 275 | 6 | 320+00 320+00 | 7 | TRAIL | 8 | 1 | 280 | 2 | 3 | 4 | 285 | 6 | 7 | 8 | 6 | 290 | 1 | 2 | STA. 292+50

E-W60.25 — 1/16 SECTION LINE
1327.69' N89°32'37.11"E

123 — 1327.69' N89°32'37.11"E

4514.78' N00°24'57.17"W — C.R.L. GILCREASE EXPRESSWAY — 4514.78' N00°24'57.17"W — ℄ SURVEY A001

STA. 315+00 | 325+00 325+00

124 | 125 | 126

E-W60 — SECTION LINE
2657.00' N89°34'21.52"E
2100.00' S89°58'40.66"E
℄ SURVEY A003

STA. 330+00

SEC 5 T19N R12E

SEC 5 T19N R12E

FOR GEOMETRIC CURVE DATA SEE SHEETS R030 - R036
FOR INTERSECTION POINTS SEE SHEETS R037 - R041

MODIFIED STATE PLANE COORDINATES, SEE SURVEY DATA SHEETS S001 - S051

SEC 8 T19N R12E

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

GEOMETRIC LAYOUT (SHEET 15 OF 38)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17
DETAILED	BWH	7/17
CHECKED	NAB	10/17

CONTRACT NO. GCT-2500
DATE: 10/30/2017
SHEET NO. R018

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SEC 5 T19N R12E

0 50 100 150
SCALE

STA. 330+00 | 335+00 335+00 | 340+00 340+00 | STA. 345+00

4514.78' N00°24'57.17"W — C.R.L. GILCREASE EXPRESSWAY — ℄ SURVEY A001 — 4514.78' N00°24'57.17"W

STA. 292+50 — 3 — 4 — 295 — 6 — 7 — 8 — TRAIL — 9 — 300 — 1 — 2 — 302

SEC 5 T19N R12E

FOR GEOMETRIC CURVE DATA SEE SHEETS R030 - R036
FOR INTERSECTION POINTS SEE SHEETS R037 - R041

GILCREASE EXPRESSWAY

50% plans

SEC 5 T19N R12E

℄ W. 2ND ST.

PC C.R.L. 351+26.21

℄ SURVEY A001

PC ℄ SURVEY A004 65+45.68

PC W. 2ND ST. 65+45.68

65+00 65+00

350+00 350+00

355+00 355+00

E-W 59.5 1/4 SECTION LINE

2663.95' S89°43'14.37"E

2642.91' N89°03.08"E

5345+00

SOUTH C-D

0 50 100 150
SCALE

STA. 345+00

4514.78' N00°24'57.17"W — ℄ SURVEY A001 — 4514.78' N00°24'57.17"W

127 — C.R.L. GILCREASE EXPRESSWAY — C-6 — 128 — 129

STA. 360+00

℄ SURVEY A004

N-S 390.5 1/4 SECTION LINE — 2614.85' S00°52'45.31"E — N-S 390.5 1/4 SECTION LINE — 2108.97' S01°24'52.36"E

332 — 331

PT ℄ SURVEY A004 68+42.22

PT W. 2ND ST. 68+42.22

PI W. 2ND ST. 67+73.47

PI ℄ SURVEY A004 67+73.47

SEC 5 T19N R12E

MODIFIED STATE PLANE COORDINATES. SEE SURVEY DATA SHEETS S001 - S051

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

GEOMETRIC LAYOUT
(SHEET 16 OF 38)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R019

SEC 5 T19N R12E

SEC 31 T20N R12E

0 50 100 150
SCALE

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

6350+00

NORTH C-D

PT NORTH C-D
6351+18.16

PI
℄ SURVEY A001
365+86.46

PI C.R.L.
365+86.46

℄ SURVEY A005

365+00

370+00

STA. 360+00

℄ SURVEY A001

C.R.L. GILCREASE EXPRESSWAY

C-6

130

131

350+00

STA. 375+00

N-S390.5
1/4 SECTION LINE

704

2108.97'
S01°24'52.36"E

6355+00

50% plans

GILCREASE EXPRESSWAY

SEC 5 T19N R12E

E-W59
SECTION LINE

2647.17'
S88°43'01.56"W

E-W58.75
1/16 SECTION LINE

5334.16'
S89°32'29.64"E

380+00

PRC C.R.L.
380+42.77

℄ SURVEY A001
380+42.77

PRC

385+00

STA. 375+00

℄ SURVEY A001

C-6

C.R.L. GILCREASE EXPRESSWAY

C-7

132

133

N-S390.5
1/4 SECTION LINE

2108.97'
S01°24'52.36"E

2647.45'
S88°39'10.36"W

E-W59
SECTION LINE

5227.35'
S89°43'15.63"W

E-W58.75
1/16 SECTION LINE

SEC 5 T19N R12E

SEC 31 T20N R12E

1621.05'
N01°11'31.88"W

N-S390
SECTION LINE

SEC 32 T20N R12E

FOR GEOMETRIC CURVE DATA SEE SHEETS R030 - R036
FOR INTERSECTION POINTS SEE SHEETS R037 - R041

MODIFIED STATE PLANE COORDINATES, SEE SURVEY DATA SHEETS S001 - S051

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

GEOMETRIC LAYOUT
(SHEET 17 OF 38)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R020

SEC 6 T19N R12E

SEC 5 T19N R12E

0 50 100 150
SCALE

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

604

603

602

609

N-S390 SECTION LINE

500.00' N0°01'03.97"W

RAMP A - S. 65TH W. AVE

499.32'
N68°33'00.00"E

RP-30

RAMP A - S. 65TH W. AVE

PC RAMP A
S. 65TH W. AVE
1325+00
1325+03.30

PI ℄ SURVEY A005
STA. 315+75.48

315+00

320+00

PT ℄ SURVEY A005
STA. 321+01.24

20+00 PI 56TH SURVEY 20+00.00

℄ SURVEY S.65TH W.AVE

℄ SURVEY A005

591.34'
N61°59'48.28"E

325+00

PC ℄ SURVEY A005
326+92.58

C-8

C-9

STA. 1330+00
RAMP A-S.65TH W. AVE

STA. 330+00
KEYSTONE EXPRESSWAY

SOUTH C-D

STA. 5330+00
SOUTH C-D
STA. 2330+00
RAMP B
S. 65TH W. AVE

PI RAMP B
S. 65TH W. AVE
2323+34.15

RAMP B - S. 65TH W. AVE

229.63'
N45°20'52.00"E

RP-32

RP-33

179.72'
N61°59'48.28"E

RP-34

RAMP B - S. 65TH W. AVE

PI RAMP B
S. 65TH W. AVE
2318+50.49

PT RAMP B
S. 65TH W. AVE
2319+36.85

2320+00

PC RAMP B
S. 65TH W. AVE
2321+66.48

PT RAMP B
S. 65TH W. AVE
2324+99.46 2325+00

PC RAMP B
S. 65TH W. AVE
2326+79.18

PI RAMP B
S. 65TH W. AVE
2328+47.92

N-S390 SECTION LINE

500.00' S0°01'03.97"E

SEC 6
T19N R12E
2647.77'
S0°01'03.97"E

SEC 5 T19N R12E

50% plans

FOR GEOMETRIC CURVE DATA SEE SHEETS R030 - R036
FOR INTERSECTION POINTS SEE SHEETS R037 - R041

MODIFIED STATE PLANE COORDINATES, SEE SURVEY DATA SHEETS S001 - S051

KEYSTONE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

GEOMETRIC LAYOUT
(SHEET 18 OF 38)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R021

50% plans

OKLAHOMA TURNPIKE AUTHORITY

SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

0 50 100 150
SCALE

SEC 5 T19N R12E

E-W 595
1/4 SECTION LINE
2663.95'
S89°43'14"E

STA. 1330+00
RAMP A
S. 65TH W. AVE

RAMP A-S. 65TH W. AVE
RP-30

PCC NORTH C-D
6333+40.00

PCC RAMP A
S. 65TH W. AVE
6335+00 1334+97.69

PT RAMP A
65TH W. AVE
S. 1339+46.89

PT NORTH
C-D 6339+46.89

6340+00 1340+00

66.00'
N28°26'53.00"E

510.04'
N28°26'53.00"E

NORTH C-D

PC NORTH C-D
6344+56.93

RD-19

STA. 6345+00.00
NORTH C-D

705

703

RP-31

RD-18

NORTH C-D

PI RAMP A
S. 65TH W. AVE
1330+05.54

1330+00

STA. 1330+00
KEYSTONE
EXPRESSWAY

℄ SURVEY A005

C-9

744.05'
N45°59'48.28"E

C-10

PC ℄ SURVEY A005
343+96.63

STA. 345+00.00
KEYSTONE EXPRESSWAY

PRC SOUTH C-D
5330+20.00

PI SOUTH C-D
5332+66.79

PI N. C-D
6333+23.50

335+00

5335+00
PRC S. C-D
5335+13.51

PT ℄ SURVEY
STA. 336+52.58
PI NORTH C-D
6336+47.50

PI RAMP A
S. 65TH W. AVE
1337+24.65

PT SOUTH C-D
5338+35.97

5340+00

PC SOUTH C-D
5340+90.57

PI SOUTH C-D
5342+79.51

PT SOUTH C-D
5344+62.38

STA. 5345+00.00
SOUTH C-D

STA. 5330+00
SOUTH C-D

STA. 2330+00
RAMP B - S. 65TH W. AVE

RAMP B-S. 65TH W. AVE

RP-35

RP-36

RD-10

SOUTH C-D

RD-11

128.95'
N46°06'32.00"E

254.60'
N46°06'32.00"E

58.03'
N46°06'32.00"E

701

SOUTH C-D

RD-12

340+00

PI SOUTH C-D
5330+05.38

PRC RAMP B
S. 65TH W. AVE
2330+16.41

PI ℄ SURVEY A005
STA. 331+75.72

PI RAMP B
S. 65TH W. AVE
2332+15.53

PRC RAMP B
S. 65TH W. AVE
2334+14.61

2335+00

PI RAMP B
S. 65TH W. AVE
2335+61.39

PI SOUTH C-D
5336+75.43

PT RAMP B
S. 65TH W. AVE
2337+07.03

PI RAMP B
S. 65TH W. AVE
2338+35.97

571.48'
N71°12'22.00"E

STA. 5345+00.00
SOUTH C-D

E-W 595
1/4 SECTION LINE

SEC 5 T19N R12E

MODIFIED STATE PLANE COORDINATES, SEE SURVEY DATA SHEETS S001 - S051

FOR GEOMETRIC CURVE DATA SEE SHEETS R030 - R036
FOR INTERSECTION POINTS SEE SHEETS R037 - R041

KEYSTONE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

GEOMETRIC LAYOUT
(SHEET 19 OF 38)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17
DETAILED	BWH	7/17
CHECKED	NAB	10/17

CONTRACT NO. GCT-2500

DATE: 10/30/2017

SHEET NO. R022

50% plans

OKLAHOMA TURNPIKE AUTHORITY

SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

0 50 100 150
SCALE

SEC 5 T19N R12E

P.I. NORTH C-D
6348+05.35

℄ SURVEY A001
P.I.
365+86.46

P.I. NORTH C-D
6351+18.16

P.I. C.R.L.
365+86.46

6350+00

RD-19

NORTH C-D

STA. 6345+00
NORTH C-D

365+00

131

704

N-S 3905
1/4 SECTION LINE

6355+00

1097.77'
N73°04'52.00"E

P.I. ℄ SURVEY A005
STA. 357+33.71

6360+00

NORTH C-D

STA. 6360+50
NORTH C-D

C-6

350+00

355+00

C-10

130

℄ SURVEY A005

STA. 345+00
KEYSTONE EXPRESSWAY

℄ SURVEY A005

STA. 359+00
KEYSTONE EXPRESSWAY

360+00

℄ SURVEY A001

2108.97'
S0°24'52.36"E

PC RAMP C
49TH W. AVE
N. 3358+69.62

STA. 5359+00
SOUTH C-D

STA. 3359+00
RAMP C-N. 49TH W. AVE

STA. 5345+00.00
SOUTH C-D

SOUTH C-D

129

C.R.L. GILCREASE EXPRESSWAY

702

571.48'
N71°12'22.00"E

5350+00

PC SOUTH C-D
5350+33.86

PT SOUTH C-D
5354+13.27

5355+00

492.81'
N45°35'46.00"E

SOUTH C-D

75.00'
N45°35'46.00"E

RAMP C
N. 49TH W. AVE

RD-13

N-S 3905
1/4 SECTION LINE

MODIFIED STATE PLANE COORDINATES, SEE SURVEY DATA SHEETS S001 - S051

FOR GEOMETRIC CURVE DATA SEE SHEETS R030 - R036
FOR INTERSECTION POINTS SEE SHEETS R037 - R041

P.I. SOUTH C-D
5352+26.78

SEC 5 T19N R12E

KEYSTONE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

GEOMETRIC LAYOUT
(SHEET 20 OF 38)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R023

SEC 5 T19N R12E

0 50 100 150
SCALE

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

PC EASTON 70+00.00
50.00' S0°38'38.00"E
70+00
RD-6
℄ W. EASTON ST.
534.42' N88°30'10.13"E
75+00
50.00' N01°37'42"W
PT EASTON 76+99.67
RD-7
PC EASTON 76+17.87
PI EASTON 70+52.78
PT EASTON 70+82.46
4370+00
6370+00
PI NORTH C-D 6371+50.93
959.93' N88°30'10.13"E
PI EASTON 76+69.99
4375+00
RP-39
RD-20
RAMP D-N. 49TH W. AVE
STA. 4375+50 RAMP D-N. 49TH W. AVE
PI RAMP D N. 49TH W. AVE 4362+15.94
PI NORTH C-D 6363+63.70
PC RAMP D N. 49TH W. AVE 4364+29.31
4365+00
6365+00
PI RAMP D N. 49TH W. AVE 4365+64.23
PT RAMP D N. 49TH W. AVE 4366+97.52
70.50' N73°04'52.00"E
213.37' N73°04'52.00"E
1097.77' N73°04'52.00"E
STA. 6360+50 NORTH C-D
NORTH C-D
PC NORTH C-D 6362+15.94
PT NORTH C-D 6365+09.68
641.25' N88°30'10.13"E
NORTH C-D
360+00
365+00
370+00
℄ SURVEY A005
2828.52' N88°30'10.13"E
℄ SURVEY A005
STA. 373+00 KEYSTONE EXPRESSWAY
STA. 359+00 KEYSTONE EXPRESSWAY
RAMP C N. 49TH W. AVE
PI RAMP C N. 49TH W. AVE 3362+03.18
PI SOUTH C-D 5362+63.49
5365+00
SOUTH C-D
PT ℄ SURVEY A005 369+46.99
RD-14
RP-37
3365+00
830.60' N88°30'10.13"E
RAMP C-N. 49TH W. AVE
STA. 3373+00 RAMP C-N. 49TH W. AVE
5360+00
SOUTH C-D
PC SOUTH C-D 5359+06.07
STA. 5359+00 SOUTH C-D
RAMP C-N. 49TH W. AVE
PT RAMP C N. 49TH W. AVE 3365+05.27
3370+00
5360+00
RAMP STA. 3359+00 C-N. 49TH W. AVE

50% plans

FOR GEOMETRIC CURVE DATA SEE SHEETS R030 - R036
FOR INTERSECTION POINTS SEE SHEETS R037 - R041

MODIFIED STATE PLANE COORDINATES, SEE SURVEY DATA SHEETS S001 - S051

SEC 5 T19N R12E

KEYSTONE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

GEOMETRIC LAYOUT (SHEET 21 OF 38)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17
DETAILED	BWH	7/17
CHECKED	NAB	10/17

CONTRACT NO. GCT-2500
DATE: 10/30/2017
SHEET NO. R024

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TULSA COUNTY

SEC 5 T19N R12E

SEC 4 T19N R12E

0 50 100 150
SCALE

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

25+00

℄ SURVEY N.49TH W.AVE

897.98'
N01°17'24.95"W

PC RAMP D
N. 49TH W. AVE
4376+57.44

PT RAMP D
N. 49TH W. AVE
4379+03.40

4380+00

607

208.39'
N74°21'37.00"E

STA. 4375+50
RAMP D-N. 49TH W. AVE

959.93'
N88°30'10.13"E

RAMP D-N. 49TH W. AVE RP-40

375+00

PI RAMP D
N. 49TH W. AVE
4377+81.05

380+00

601

℄ SURVEY A005

20+00

2828.52'
N88°30'10.13"E

℄ SURVEY A005

STA. 373+00
KEYSTONE EXPRESSWAY

2125.02'
N01°17'24.95"W

PI RAMP C
N. 49TH W. AVE
3374+69.73

STA. 3373+00
RAMP C-N. 49TH W. AVE

830.60'
N88°30'10.13"E

RAMP C-N. 49TH W. AVE
RP-38

205.95'
S79°29'38.00"E

606

N-S 391 SECTION LINE

PC RAMP C
N. 49TH W. AVE
3373+35.87

3375+00

PT RAMP C
N. 49TH W. AVE
3376+02.61

℄ SURVEY N.49TH W.AVE

500.00'
N01°17'24.95"W

605

SEC 5 T19N R12E

SEC 4 T19N R12E

50% plans

FOR GEOMETRIC CURVE DATA SEE SHEETS R030 - R036
FOR INTERSECTION POINTS SEE SHEETS R037 - R041

MODIFIED STATE PLANE COORDINATES, SEE SURVEY DATA SHEETS S001 - S051

KEYSTONE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

GEOMETRIC LAYOUT
(SHEET 22 OF 38)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R025

OKLAHOMA TURNPIKE AUTHORITY

SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

STA. 106+75
℄ SHOOFLY 1
PT ℄ SHOOFLY 1 106+33.33
PI ℄ SHOOFLY 1 105+24.06
105+00
PC ℄ SHOOFLY 1 104+14.12
PT ℄ SHOOFLY 1 102+70.87
PI ℄ SHOOFLY 1 101+78.22

SEC 32 T19N R12E

0 50 100 150
SCALE

2646.80' N0°50'48.00"W
N-S 3990.5 1/4 SECTION LINE

STA. 530+00
1335.22' N89°17'58.87"E
℄ SURVEY A010
484.27' N89°13'27.84"E
PC ℄ SHOOFLY 1 100+34.86
2652.86' N89°15'06.99"E
1000.00' N89°20'49.53"E
℄ W. 51ST ST. 2000.00' N89°7'30.21"E
STA. 515+00

246 713 714 206 214 334 245 205 215 715 514 302 333

3 4 15 1125+00 6 7 8 9

65+00 PI ℄ SURVEY A010 64+84.27
PT RAMP A
W. 51ST ST.
1124+51.10
525+00
℄ SHOOFLY 3
RAMP C W. 51ST ST.
RAMP A W. 51ST ST.
PI ℄ SURVEY A010 60+00.00
60+00
520+00
PI W. 51ST ST. 520+00.00
55+00
56.42' N0°52'29.79"W
263.61' N0°7'30.21"E
2642.17' N0°48'05.11"W

SEC 29 T19N R12E

50% plans

W. 51ST ST.

SEC 32 T19N R12E

0 50 100 150
SCALE

STA. 515+00
℄ SURVEY A010
1000.00' N89°20'49.53"E
2658.47' N89°7'30.21"E
E-W 64 SECTION LINE
2000.00' ℄ W. 51ST ST. N89°7'30.21"E
301

510+00
505+00

FOR GEOMETRIC CURVE DATA SEE SHEETS R030 - R036
FOR INTERSECTION POINTS SEE SHEETS R037 - R041

MODIFIED STATE PLANE COORDINATES, SEE SURVEY DATA SHEETS S001 - S051

W. 51ST ST.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

GEOMETRIC LAYOUT (SHEET 23 OF 38)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R026

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SEC 20 T19N R12E

SCALE 0 50 100 150

PI W. 41ST ST. S. 404+88.87
405+00
PI ℄ SURVEY A009 12+87.00
10+00
15+00
20+00
PI W. 41ST ST. S. 410+00.00
410+00
PI ℄ SURVEY A009 16+99.95
PC C.R.L. 172+00.00
PI W. 41ST ST. S. 414+00.00
RAMP D-W. 41ST ST. S.
PI ℄ SURVEY A009 21+06.89
STA. 415+00

310 — 488.87′ N89°06′52.80″E — ℄ W. 41ST ST. S.
519 — 412.95′ N88°22′10.15″E
520 311 — 511.13′ N88°40′38.00″E
404 — 1170+00
70
221 521 312 — 400.00′ N89°40′38.00″E — ℄ W 41ST ST S
220
522 109 — 170+00
108
523 224 — 1300′ N89°07′02.01″E
506 505
2649.04′ N89°06′52.80″E E-W 63 SECTION LINE
2649.04′ N89°07′02.01″E E-W 63 SECTION LINE
1319.71′ N0°01′10.45″W
2644.87′ N0°48′03.01″W N-S 390.5 1/4 SECTION LINE
RAMP A-W. 41ST ST. S.
C.R.L. GILCREASE EXPRESSWAY
℄ SURVEY A001
RAMP B - W.41ST ST. S.

SEC 29 T19N R12E

W. 41ST ST. S.

SEC 20 T19N R12E

S. 55TH W. AVE
100.18′ N0°23′24.91″E
524
247
STA. 415+00
25+00
420+00
425+00
525
℄ SURVEY A009 440.17′ N89°19′51.33″E
N-S 390.75 1/16 SECTION LINE
313 314
N. 53RD W. AVE
℄ W. 41ST ST. S. 1300′ N89°07′02.01″E
315
E-W 63 SECTION LINE 2649.04′ N89°07′02.01″E
2646.38′ N0°49′43.43″W

SEC 29 T19N R12E

W. 41ST ST. S.

SEC 29 T19N R12E

SEC 20 T19N R12E

W. 39TH STREET
254
255
313
314
N-S 390.75 1/16 SECTION LINE
1318.84′ S0°02′10.69″E
105+00
765.06′ N0°52′57.99″W
N. 53RD W. AVE

SCALE 0 50 100 150

FOR GEOMETRIC CURVE DATA SEE SHEETS R030 - R036
FOR INTERSECTION POINTS SEE SHEETS R037 - R041

MODIFIED STATE PLANE COORDINATES, SEE SURVEY DATA SHEETS S001 - S051

N. 53RD W. AVE

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

GEOMETRIC LAYOUT (SHEET 24 OF 38)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500
DETAILED	BWH	7/17	
CHECKED	NAB	10/17	DATE: 10/30/2017 — SHEET NO. R027

50% plans



50% plans

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

GEOMETRIC LAYOUT
(SHEET 25 OF 38)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R028

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SEC 5 T19N R12E

P.I. W. 2ND ST. 61+87.50
℄ SURVEY A004 61+87.50

PT ℄ SURVEY A004 62+58.84
PT W. 2ND ST. 62+58.84

PC ℄ SURVEY A004 65+00
PC W. 2ND ST. 65+45.68
65+45.68

℄ SURVEY A001 35+26.21

286.84'
N64°27'39.00"E
℄ SURVEY A004

127

RD-23

350+00

RD-24

P.I. W. 2ND ST. 67+73.47
P.I. ℄ SURVEY A004 67+73.47

PC ℄ SURVEY A004 60+61.44
PC W. 2ND ST. 60+61.44

60+00 60+00

184.65'
N26°01'27.00"W

4514.78'
N0°24'57.17"W

℄ W. 2ND ST.

331

PT W. 2ND ST. 68+42.22
PT ℄ SURVEY A004 68+42.22

332

PT ℄ SURVEY A004 STA. 58+76.78
PT W. 2ND ST. 58+76.78

C.R.L. GILCREASE EXPRESSWAY

RD-22

330

℄ W. 2ND ST. 179.45'
N64°25'39.00"E

PC ℄ SURVEY A004 STA. 56+79.45
PC W. 2ND ST. 56+79.45

P.I. W. 2ND ST. 58+05.44
P.I. ℄ SURVEY A004 58+05.44

345+00

℄ SURVEY A001 4514.78' N0°24'57.17"W

2614.85'
S00°52'45.31"E
N-S 330.5
1/4 SECTION LINE

SEC 5 T19N R12E

0 50 100 150
SCALE

50% plans

FOR GEOMETRIC CURVE DATA SEE SHEETS R030 - R036
FOR INTERSECTION POINTS SEE SHEETS R037 - R041

MODIFIED STATE PLANE COORDINATES, SEE SURVEY DATA SHEETS S001 - S051

W. 2ND STREET

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

GEOMETRIC LAYOUT (SHEET 26 OF 38)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R029

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

50% plans

GILCREASE EXPRESSWAY

CURVE NO.	CARDINAL POINTS			CURVE DATA						SUPER ELEVATION		
	STATION	X (EAST) (FEET)	Y (NORTH) (FEET)	DELTA	DEGREE	RADIUS (FEET)	TANGENT (FEET)	ARC LENGTH (FEET)	EXTERNAL (FEET)	V (MPH)	Emax (FT/FT)	S (FT/FT)
	POB 88+00.00	2546801.81	402272.95									
C-1	PC 100+57.28	2545544.70	402252.37	90°36'53" RT	2°30'15.74"	2287.83	2312.51	3618.26	965.15	70	0.060	0.060
	PI 123+69.79	2543232.50	402214.54									
	PT 136+75.54	2543219.47	404527.01									
C-2	PC 172+00.00	2543199.62	408051.42	2°15'16.10" RT	0°15'00"	22918.31	450.95	901.79	4.44	70	0.060	NC
	PI 176+50.95	2543197.08	408502.36									
	PRC 181+01.79	2543212.28	408953.06									
C-3	PRC 181+01.79	2543212.28	408953.06	1°55'54.10" LT	0°15'00"	22918.31	386.38	772.68	3.26	70	0.060	NC
	PI 184+88.17	2543225.30	409339.21									
	PT 188+74.47	2543225.30	409725.59									
C-4	PC 236+01.57	2543225.30	414452.70	13°09'00.01" LT	0°24'00"	14323.94	1651.00	3287.50	94.83	70	0.060	NC
	PI 252+52.58	2543225.30	416103.70									
	PT 268+89.07	2542849.69	417711.41									
C-5	PC 274+27.89	2542727.11	418236.10	12°44'02.84" RT	0°24'00"	14323.94	1598.35	3183.53	88.90	70	0.060	NC
	PI 290+26.24	2542363.49	419792.54									
	PT 306+11.42	2542351.88	421390.85									
C-6	PC 351+26.21	2542319.11	425905.51	7°17'29.05" RT	0°15'00"	22918.31	1460.25	2916.56	46.47	70	0.060	NC
	PI 365+86.46	2542308.52	427365.72									
	PRC 380+42.77	2542483.33	428815.47									
C-7	PRC 380+42.77	2542483.33	428815.47	5°34'26.53" LT	0°15'00"	22918.31	1115.69	2229.61	27.14	70	0.060	NC
	PI 391+58.45	2542616.89	429923.14									
	PT a36+05.43	2542642.23	431038.54									
	POE a74+81.85	2542730.28	434913.96									

KEYSTONE EXPRESSWAY - CL SURVEY

CURVE NO.	CARDINAL POINTS			CURVE DATA						SUPER ELEVATION		
	STATION	X (EAST) (FEET)	Y (NORTH) (FEET)	DELTA	DEGREE	RADIUS (FEET)	TANGENT (FEET)	ARC LENGTH (FEET)	EXTERNAL (FEET)	V (MPH)	Emax (FT/FT)	S (FT/FT)
	POB 296+99.70	2538297.91	423667.76									
C-8	PC 310+41.24	2539235.37	424627.40	17°40'00.00" RT	1°40'00.00"	3437.75	534.23	1060.00	41.26	60	0.060	MATCH EXIST
	PI 315+75.48	2539608.69	425009.55									
	PT 321+01.24	2540080.38	425260.39									
C-9	PC 326+92.58	2540602.49	425538.04	16°00'00" LT	1°40'00.00"	3437.74	483.14	960.00	33.78	60	0.060	MATCH EXIST
	PI 331+75.72	2541029.07	425764.88									
	PT 336+52.58	2541376.59	426100.52									
C-10	PC 343+96.63	2541911.79	426617.42	42°30'21.85" RT	1°40'00.00"	3437.78	1337.07	2550.37	250.86	60	0.060	MATCH EXIST
	PI 357+33.71	2542873.55	427546.28									
	PT 369+46.99	2544210.17	427581.22									
	POE 397+75.52	2547037.73	427655.12									

MODIFIED STATE PLANE COORDINATES, SEE SURVEY DATA SHEETS S001 - S051

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

GEOMETRIC LAYOUT
(SHEET 27 OF 38)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500
DETAILED	BWH	7/17	
CHECKED	NAB	10/17	DATE: 10/30/2017 SHEET NO. R030

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

RAMP A - W. 51ST ST.

CURVE NO.	CARDINAL POINTS STATION	X (EAST) (FEET)	Y (NORTH) (FEET)	CURVE DATA DELTA	DEGREE	RADIUS (FEET)	TANGENT (FEET)	ARC LENGTH (FEET)	EXTERNAL (FEET)	SUPER ELEVATION V (MPH)	Emax (FT/FT)	S (FT/FT)
	POB 1105+15.00	2545078.38	402231.57									
	PC 1105+15.00	2545078.38	402231.57									
RP-9	PI 1106+45.40	2544950.17	402255.39	6°21'27.91" RT	2°26'25.33"	2347.83	130.40	260.52	3.62	70	0.060	0.060
	PT 1107+75.52	2544825.40	402293.26									
	PC 1109+35.88	2544671.96	402339.83									
RP-10	PI 1111+73.17	2544444.89	402408.75	15°19'53.99" RT	3°15'00.00"	1762.95	237.29	471.74	15.90	65	0.060	0.060
	PCC 1114+07.62	2544244.14	402535.25									
	PCC 1114+07.62	2544244.14	402535.25									
RP-11	PI 1115+78.61	2544099.47	402626.40	8°15'19.39" RT	2°25'05.31"	2369.41	170.99	341.39	6.16	50	0.060	0.040
	PT 1117+49.02	2543969.38	402737.39									
	PC 1119+22.07	2543837.74	402849.71									
RP-12	PI 1124+31.52	2543450.17	403180.37	131°13'06.49" LT	24°48'12.12"	231.00	509.45	529.03	328.38	30	0.060	0.060
	PT 1124+51.10	2543456.82	402670.96									
	POE 1125+51.10	2543458.13	402570.97									

RAMP B - W. 51ST ST.

CURVE NO.	CARDINAL POINTS STATION	X (EAST) (FEET)	Y (NORTH) (FEET)	CURVE DATA DELTA	DEGREE	RADIUS (FEET)	TANGENT (FEET)	ARC LENGTH (FEET)	EXTERNAL (FEET)	SUPER ELEVATION V (MPH)	Emax (FT/FT)	S (FT/FT)
	POB 2108+25.00	2544808.14	402424.61									
	PC 2108+25.00	2544808.14	402424.61									
RP-1	PI 2110+57.11	2544587.76	402497.44	11°53'44.74" RT	2°34'18.55"	2227.83	232.11	462.54	12.06	70	0.060	0.060
	PCC 2112+87.54	2544387.13	402614.15									
	PCC 2112+87.54	2544387.13	402614.15									
RP-2	PI 2114+10.41	2544280.92	402675.92	16°28'20.74" RT	6°45'00.00"	848.83	122.87	244.04	8.86	50	0.060	0.060
	PT 2115+31.58	2544196.59	402765.28									
	PC 2117+18.47	2544068.32	402901.20									
RP-3	PI 2119+40.21	2543916.13	403062.46	87°39'19.32" RT	24°48'12.12"	231.00	221.74	353.40	89.20	30	0.060	0.060
	PT 2120+71.87	2544071.02	403221.12									
	POE 2120+92.42	2544085.37	403235.82									

RAMP C - W. 51ST ST.

CURVE NO.	CARDINAL POINTS STATION	X (EAST) (FEET)	Y (NORTH) (FEET)	CURVE DATA DELTA	DEGREE	RADIUS (FEET)	TANGENT (FEET)	ARC LENGTH (FEET)	EXTERNAL (FEET)	SUPER ELEVATION V (MPH)	Emax (FT/FT)	S (FT/FT)
	POB 3117+00.78	2543407.13	402570.30									
	PC 3119+57.28	2543403.78	402826.78									
RP-7	PI 3121+80.77	2543400.87	403050.25	10°01'51.63" LT	2°15'00.00"	2546.48	223.48	445.82	9.79	50	0.060	0.038
	PT 3124+03.11	2543359.07	403269.79									
	PC 3132+49.05	2543200.86	404100.80									
RP-8	PI 3134+24.85	2543167.98	404273.50	8°33'52.26" RT	2°26'25.33"	2347.83	175.80	350.95	6.57	70	0.060	0.060
	PT 3136+00.00	2543161.19	404449.17									
	POE 3136+00.00	2543161.19	404449.17									

RAMP D - W. 51ST ST.

CURVE NO.	CARDINAL POINTS STATION	X (EAST) (FEET)	Y (NORTH) (FEET)	CURVE DATA DELTA	DEGREE	RADIUS (FEET)	TANGENT (FEET)	ARC LENGTH (FEET)	EXTERNAL (FEET)	SUPER ELEVATION V (MPH)	Emax (FT/FT)	S (FT/FT)
	POB 4120+43.99	2544001.12	403328.06									
	PC 4120+72.02	2543979.38	403310.38									
RP-4	PI 4122+92.46	2543808.37	403171.28	95°34'00.39" RT	28°38'52.40"	200.00	220.44	333.59	97.65	25	0.060	0.058
	PT 4124+05.61	2543686.51	403354.98									
	PC 4127+74.00	2543482.87	403661.96									
RP-5	PI 4128+95.69	2543415.60	403763.37	16°19'02.05" RT	6°45'00.00"	848.83	121.69	241.74	8.68	50	0.060	0.060
	PCC 4130+15.74	2543379.54	403879.60									
	PCC 4130+15.74	2543379.54	403879.60									
RP-6	PI 4133+09.55	2543292.45	404160.21	15°01'34.41" RT	2°34'18.55"	2227.83	293.82	584.26	19.29	70	0.060	0.060
	PT 4136+00.00	2543281.10	404453.81									
	POE 4136+00.00	2543281.10	404453.81									

RAMP A - W. 41ST ST. S.

CURVE NO.	CARDINAL POINTS STATION	X (EAST) (FEET)	Y (NORTH) (FEET)	CURVE DATA DELTA	DEGREE	RADIUS (FEET)	TANGENT (FEET)	ARC LENGTH (FEET)	EXTERNAL (FEET)	SUPER ELEVATION V (MPH)	Emax (FT/FT)	S (FT/FT)
	POB 1151+20.00	2543151.33	405971.11									
	PC 1157+00.00	2543148.07	406551.10									
RP-18	PI 1158+62.16	2543147.15	406713.26	9°42'22.09" LT	3°00'00.00"	1909.86	162.16	323.54	6.87	50	0.060	0.046
	PT 1160+23.54	2543118.91	406872.93									
	PC 1165+21.44	2543032.21	407363.23									
RP-19	PI 1165+90.94	2543020.10	407431.67	9°42'22.09" RT	7°00'00.00"	818.51	69.50	138.66	2.94	40	0.060	0.054
	PT 1166+60.10	2543019.71	407501.16									
	POE 1170+15.94	2543017.71	407856.99									

RAMP B - W. 41ST ST. S.

CURVE NO.	CARDINAL POINTS STATION	X (EAST) (FEET)	Y (NORTH) (FEET)	CURVE DATA DELTA	DEGREE	RADIUS (FEET)	TANGENT (FEET)	ARC LENGTH (FEET)	EXTERNAL (FEET)	SUPER ELEVATION V (MPH)	Emax (FT/FT)	S (FT/FT)
	POB 2151+50.00	2543259.16	406001.72									
	PC 2157+00.00	2543289.04	406550.91									
RP-13	PI 2158+63.48	2543297.92	406714.14	6°31'54.90" RT	2°00'00.00"	2864.79	163.48	326.60	4.66	50	0.060	0.036
	PT 2160+26.60	2543325.31	406875.30									
	PC 2165+29.92	2543409.64	407371.52									
RP-14	PI 2165+92.38	2543420.10	407433.09	9°58'05.39" LT	8°00'00.00"	716.20	62.46	124.60	2.72	40	0.060	0.056
	PT 2166+54.53	2543419.75	407495.55									
	POE 2170+18.22	2543417.70	407859.24									

RAMP C - W. 41ST ST. S.

CURVE NO.	CARDINAL POINTS STATION	X (EAST) (FEET)	Y (NORTH) (FEET)	CURVE DATA DELTA	DEGREE	RADIUS (FEET)	TANGENT (FEET)	ARC LENGTH (FEET)	EXTERNAL (FEET)	SUPER ELEVATION V (MPH)	Emax (FT/FT)	S (FT/FT)
	POB 3187+07.07	2542823.94	409671.19									
	PC 3188+42.03	2542939.62	409740.71									
RP-18	PI 3189+48.04	2543030.47	409795.32	49°17'58.61" LT	24°48'12.12"	231.00	106.00	198.76	23.16	30	0.060	0.060
	PT 3190+40.80	2543048.32	409899.81									
	PC 3193+84.19	2543106.14	410238.30									
RP-19	PI 3195+64.27	2543136.46	410415.81	7°11'37.08" LT	2°00'00.00"	2864.79	180.08	359.68	5.65	50	0.060	0.360
	PT 3197+43.87	2543144.32	410595.71									
	POE 3205+00.00	2543177.30	411351.12									

RAMP D - W. 41ST ST. S.

CURVE NO.	CARDINAL POINTS STATION	X (EAST) (FEET)	Y (NORTH) (FEET)	CURVE DATA DELTA	DEGREE	RADIUS (FEET)	TANGENT (FEET)	ARC LENGTH (FEET)	EXTERNAL (FEET)	SUPER ELEVATION V (MPH)	Emax (FT/FT)	S (FT/FT)
	POB 4169+97.60	2543417.70	407859.24									
	PC 4174+45.19	2543415.18	408306.82									
RP-15	PI 4175+14.64	2543414.79	408376.28	9°42'02.15" LT	7°00'00.00"	818.51	69.46	138.58	2.94	40	0.060	0.054
	PT 4175+83.77	2543402.70	408444.67									
	PC 4181+11.98	2543310.76	408964.83									
RP-16	PI 4182+96.04	2543278.73	409146.08	11°00'34.36" RT	3°00'00.00"	1909.86	184.06	366.98	8.85	50	0.060	0.046
	PRC 4184+78.97	2543281.90	409330.11									
	PRC 4184+78.97	2543281.90	409330.11									
RP-17	PI 4186+76.72	2543285.30	409527.83	0°59'10.21" LT	0°14'57.65"	22978.31	197.76	395.50	0.85	70	0.060	NC
	PT 4188+74.47	2543285.30	409725.59									
	POE 4190+60.00	2543285.30	409911.12									

50% plans

MODIFIED STATE PLANE COORDINATES, SEE SURVEY DATA SHEETS S001 - S051

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

GEOMETRIC LAYOUT
(SHEET 28 OF 38)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R031

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

RAMP A - W. 21ST ST. S.

CURVE NO.	CARDINAL POINTS STATION	X (EAST) (FEET)	Y (NORTH) (FEET)	CURVE DATA DELTA	DEGREE	RADIUS (FEET)	TANGENT (FEET)	ARC LENGTH (FEET)	EXTERNAL (FEET)	SUPER ELEVATION V (MPH)	Emax (FT/FT)	S (FT/FT)
	POB 1275+45.72	2542641.97	418338.99									
RP-27	PC 1275+45.72	2542641.97	418338.99	1°11'10.23" RT	0°23'53.99"	14383.94	148.90	297.79	0.77	70	0.060	NC
	PI 1276+94.61	2542609.30	418484.26									
	PRC 1278+43.50	2542579.65	418630.18									
RP-28	PRC 1278+43.50	2542579.65	418630.18	133°07'04.70" LT	16°51'06.12"	340.00	784.15	789.94	514.69	35	0.060	0.060
	PI 1286+27.66	2542423.48	419398.62									
	PCC 1286+33.44	2541969.30	418759.39									
RP-29	PCC 1286+33.44	2541969.30	418759.39	5°34'46.04" LT	1°46'59.61"	3213.04	156.57	312.89	3.81	30	0.060	NC
	PI 1287+90.01	2541878.61	418631.76									
	PT 1289+46.33	2541800.77	418495.92									
	POE 1289+74.43	2541786.79	418471.53									

RAMP B - W. 21ST ST. S.

CURVE NO.	CARDINAL POINTS STATION	X (EAST) (FEET)	Y (NORTH) (FEET)	CURVE DATA DELTA	DEGREE	RADIUS (FEET)	TANGENT (FEET)	ARC LENGTH (FEET)	EXTERNAL (FEET)	SUPER ELEVATION V (MPH)	Emax (FT/FT)	S (FT/FT)
	POB 2254+00.00	2543160.17	416252.41									
RP-20	PC 2259+52.29	2543113.28	416802.71	27°32'36.62" RT	5°00'00.00"	1145.92	280.86	550.87	33.92	50	0.060	0.058
	PI 2262+33.15	2543089.44	417082.56									
	PT 2265+03.16	2543197.71	417341.72									
RP-21	PC 2271+06.20	2543430.17	417898.16	23°13'01.23" LT	11°15'00.00"	509.30	104.62	206.37	10.64	40	0.060	0.060
	PI 2272+10.82	2543470.50	417994.69									
	PT 2273+12.58	2543469.50	418099.31									
	POE 2276+35.74	2543466.44	418422.46									

RAMP C - W. 21ST ST. S.

CURVE NO.	CARDINAL POINTS STATION	X (EAST) (FEET)	Y (NORTH) (FEET)	CURVE DATA DELTA	DEGREE	RADIUS (FEET)	TANGENT (FEET)	ARC LENGTH (FEET)	EXTERNAL (FEET)	SUPER ELEVATION V (MPH)	Emax (FT/FT)	S (FT/FT)
	POB 3260+00.37	2543426.44	418422.08									
RP-22	PC 3263+23.53	2543429.51	418098.93	167°23'36.87" RT	19°05'54.94"	300.00	2715.97	876.47	2432.49	30	0.060	0.058
	PI 3290+39.50	2543455.27	415383.08									
	PT 3272+00.00	2542837.39	418027.83									
	POE 3274+27.89	2542785.54	418249.75									

RAMP D - W. 21ST ST. S.

CURVE NO.	CARDINAL POINTS STATION	X (EAST) (FEET)	Y (NORTH) (FEET)	CURVE DATA DELTA	DEGREE	RADIUS (FEET)	TANGENT (FEET)	ARC LENGTH (FEET)	EXTERNAL (FEET)	SUPER ELEVATION V (MPH)	Emax (FT/FT)	S (FT/FT)
	POB 4275+15.71	2541729.88	418494.90									
RP-23	PC 4275+51.84	2541747.84	418526.25	6°09'46.00" RT	1°45'00.00"	3274.04	176.25	352.16	4.74	30	0.060	NC
	PI 4277+28.09	2541835.47	418679.17									
	PT 4279+04.00	2541939.01	418821.80									
RP-24	PC 4285+32.82	2542308.43	419330.67	43°08'21.69" LT	11°00'00.00"	520.87	205.91	392.18	39.22	40	0.060	0.060
	PI 4287+38.73	2542429.39	419497.30									
	PRC 4289+25.00	2542403.72	419701.60									
RP-25	PRC 4289+25.00	2542403.72	419701.60	0°18'31.34" RT	0°23'53.99"	14383.94	38.75	77.50	0.05	70	0.060	NC
	PI 4289+63.75	2542398.89	419740.05									
	PCC 4290+02.50	2542394.27	419778.52									
RP-26	PCC 4290+02.50	2542394.27	419778.52	0°50'46.64" RT	0°23'53.99"	14383.94	106.23	212.46	0.39	70	0.060	NC
	PI 4291+08.73	2542381.59	419883.99									
	PT 4292+14.96	2542370.48	419989.64									
	POE 4292+14.96	2542370.48	419989.64									

RAMP A - S. 65TH W. AVE.

CURVE NO.	CARDINAL POINTS STATION	X (EAST) (FEET)	Y (NORTH) (FEET)	CURVE DATA DELTA	DEGREE	RADIUS (FEET)	TANGENT (FEET)	ARC LENGTH (FEET)	EXTERNAL (FEET)	SUPER ELEVATION V (MPH)	Emax (FT/FT)	S (FT/FT)
	POB 1320+03.98	2539890.01	425366.74									
RP-30	PC 1325+03.30	2540354.74	425549.33	19°53'16.21" LT	2°00'00.00"	2864.79	502.25	994.39	43.69	50	0.060	0.036
	PI 1330+05.54	2540822.20	425733.00									
	PCC 1334+97.69	2541199.31	426064.74									
RP-31	PCC 1334+97.69	2541199.31	426064.74	20°12'50.79" LT	4°30'00.00"	1273.24	226.96	449.20	20.07	50	0.060	0.056
	PI 1337+24.65	2541369.71	426214.64									
	PT 1339+46.89	2541477.83	426414.20									
	POE 1340+12.89	2541509.27	426472.23									

RAMP B - S. 65TH W. AVE.

CURVE NO.	CARDINAL POINTS STATION	X (EAST) (FEET)	Y (NORTH) (FEET)	CURVE DATA DELTA	DEGREE	RADIUS (FEET)	TANGENT (FEET)	ARC LENGTH (FEET)	EXTERNAL (FEET)	SUPER ELEVATION V (MPH)	Emax (FT/FT)	S (FT/FT)
	POB 2317+54.76	2539897.68	424935.90									
RP-32	PC 2317+54.76	2539897.68	424935.90	43°42'07.02" LT	24°00'00.00"	238.73	95.73	182.09	18.48		0.060	
	PI 2318+50.49	2539993.40	424937.49									
	PT 2319+36.85	2540061.50	425004.77									
RP-33	PC 2321+66.48	2540224.85	425166.15	16°38'56.28" RT	5°00'00.00"	1145.92	167.67	332.98	12.20	50	0.060	0.058
	PI 2323+34.15	2540344.13	425283.99									
	PT 2324+99.46	2540492.17	425362.71									
RP-34	PC 2326+79.18	2540650.85	425447.10	5°27'25.20" LT	1°37'05.46"	3540.75	168.74	337.23	4.02	50	0.060	0.030
	PI 2328+47.92	2540799.84	425526.33									
	PRC 2330+16.41	2540940.61	425619.36									
RP-35	PRC 2330+16.41	2540940.61	425619.36	1°59'49.55" RT	0°30'05.51"	11424.16	199.12	398.20	1.74		0.060	
	PI 2332+15.53	2541106.73	425729.15									
	PRC 2334+14.61	2541276.58	425833.08									
RP-36	PRC 2334+14.61	2541276.58	425833.08	12°25'40.63" LT	4°15'00.00"	1348.14	146.79	292.42	7.97	50	0.060	0.054
	PI 2335+61.39	2541401.78	425909.70									
	PT 2337+07.03	2541507.57	426011.46									
	POE 2338+24.00	2541642.31	426141.09									

RAMP C - N. 49TH W. AVE.

CURVE NO.	CARDINAL POINTS STATION	X (EAST) (FEET)	Y (NORTH) (FEET)	CURVE DATA DELTA	DEGREE	RADIUS (FEET)	TANGENT (FEET)	ARC LENGTH (FEET)	EXTERNAL (FEET)	SUPER ELEVATION V (MPH)	Emax (FT/FT)	S (FT/FT)
	POB 3354+13.27	2542960.53	426850.54									
RP-37	PC 3358+69.62	2543286.56	427169.85	42°54'24.13" RT	6°45'00.00"	848.83	333.56	635.65	63.19	50	0.060	0.060
	PI 3362+03.18	2543524.86	427403.25									
	PT 3365+05.27	2543858.31	427411.96									
RP-38	PC 3373+35.87	2544688.63	427433.67	12°00'11.87" RT	4°30'00.00"	1273.24	133.86	266.74	7.02	50	0.060	0.056
	PI 3374+69.73	2544822.45	427437.16									
	PT 3376+02.61	2544954.06	427412.76									
	POE 3378+08.57	2545156.56	427375.20									

RAMP D - N. 49TH W. AVE.

CURVE NO.	CARDINAL POINTS STATION	X (EAST) (FEET)	Y (NORTH) (FEET)	CURVE DATA DELTA	DEGREE	RADIUS (FEET)	TANGENT (FEET)	ARC LENGTH (FEET)	EXTERNAL (FEET)	SUPER ELEVATION V (MPH)	Emax (FT/FT)	S (FT/FT)
	POB 4361+45.44	2543208.21	427573.67									
RP-39	PC 4364+29.31	2543479.79	427656.28	15°25'18.13" RT	5°45'00.00"	996.45	134.92	268.20	9.09	50	0.060	0.060
	PI 4365+64.23	2543608.87	427695.54									
	PT 4366+97.52	2543743.74	427699.07									
RP-40	PC 4376+57.44	2544703.34	427724.15	14°08'33.13" LT	5°45'00.00"	996.45	123.61	245.96	7.64	50	0.060	0.060
	PI 4377+81.05	2544826.91	427727.38									
	PT 4379+03.40	2544945.94	427760.70									
	POE 4381+11.79	2545146.61	427816.88									

50% plans

MODIFIED STATE PLANE COORDINATES, SEE SURVEY DATA SHEETS S001 - S051

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

GEOMETRIC LAYOUT
(SHEET 29 OF 38)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500
DETAILED	BWH	7/17	DATE: 10/30/2017 SHEET NO. R032
CHECKED	NAB	10/17	

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

W. 41ST ST. S.

CARDINAL POINTS			TANGENT	
STATION	X (EAST) (FEET)	Y (NORTH) (FEET)	TANGENT DIRECTION	TANGENT LENGTH
POB 400+00.00	2542017.90	407837.63	N89°06'52.80"E	488.87
PI 404+88.87	2542506.71	407845.19		
PI 404+88.87	2542506.71	407845.19	N88°40'38.00"E	511.13
PI 410+00.00	2542022.45	418408.76		
PI 410+00.00	2542022.45	418408.76	N89°40'38.00"E	400.00
PI 414+00.00	2543417.70	407859.24		
PI 427+00.00	2544717.55	407879.27	N89°07'02.01"E	1300.00
POE 427+00.00	2544717.55	407879.27		

W. 31ST ST.

CARDINAL POINTS			TANGENT	
STATION	X (EAST) (FEET)	Y (NORTH) (FEET)	TANGENT DIRECTION	TANGENT LENGTH
POB 10+00.00	2541875.36	413124.26	N89°66'21.52"E	800.00
PI 18+00.00	2542675.00	413132.09		
PI 18+00.00	2542675.32	413132.09	N89°27'07.72"E	1450.02
POE 32+50.02	2544125.27	413145.95		

W. 39TH ST.

CARDINAL POINTS			TANGENT	
STATION	X (EAST) (FEET)	Y (NORTH) (FEET)	TANGENT DIRECTION	TANGENT LENGTH
POB 50+00.00	2542847.60	408506.60	N88°57'20.84"E	1395.06
POE 63+95.06	2544242.43	408532.02		

W. 51ST ST.

CARDINAL POINTS			TANGENT	
STATION	X (EAST) (FEET)	Y (NORTH) (FEET)	TANGENT DIRECTION	TANGENT LENGTH
POB 500+00.00	2540933.41	402533.58	N89°07'30.21"E	2000.00
PI 520+00.00	2542933.17	402564.12		
PI 520+00.00	2542933.17	402564.12	N89°15'06.99"E	2652.86
PI 546+52.86	2545585.81	402598.75		
PI 546+52.86	2545585.81	402598.75	N89°05'08.64"E	497.14
POE 551+50.00	2546082.88	402606.68		

S. 53RD W. AVE

CARDINAL POINTS			TANGENT	
STATION	X (EAST) (FEET)	Y (NORTH) (FEET)	TANGENT DIRECTION	TANGENT LENGTH
POB 100+00.00	2544252.60	407872.11	N00°52'57.99"W	765.06
POE 107+65.06	2544240.82	408637.08		

S. 57TH W. AVE AT W. 51ST ST.

CARDINAL POINTS			TANGENT	
STATION	X (EAST) (FEET)	Y (NORTH) (FEET)	TANGENT DIRECTION	TANGENT LENGTH
POB 0+00.00	2542925.17	402563.99	N00°52'29.79"W	56.42
PI 0+56.42	2542924.31	402620.41		
PI 0+56.42	2542924.31	402620.41	N00°07'30.21"E	263.61
PI 3+20.03	2542924.89	402884.02		
PI 3+20.03	2542924.89	402884.02	N00°27'44.75"W	79.97
POE 4+00.00	2542924.24	402963.98		

S. 55TH W. AVE

CURVE NO.	CARDINAL POINTS STATION	X (EAST) (FEET)	Y (NORTH) (FEET)	CURVE DATA DELTA	DEGREE	RADIUS (FEET)	TANGENT (FEET)	ARC LENGTH (FEET)	EXTERNAL (FEET)	SUPER ELEVATION V (MPH)	Emax (FT/FT)	S (FT/FT)
	POB 55+00.00	2543526.85	407860.92									
	PC 56+00.18	2543527.53	407961.10									
RD-25	PI 56+36.78	2543527.78	407997.70	01°49'47.19" LT	02°30'00.00"	2291.83	36.60	73.19	0.29	25	0.060	NC
	PT 56+73.37	2543526.86	408034.29									
	POE 58+25.00	2543523.05	408185.87									

SHOO-FLY 1

CURVE NO.	CARDINAL POINTS STATION	X (EAST) (FEET)	Y (NORTH) (FEET)	CURVE DATA DELTA	DEGREE	RADIUS (FEET)	TANGENT (FEET)	ARC LENGTH (FEET)	EXTERNAL (FEET)	SUPER ELEVATION V (MPH)	Emax (FT/FT)	S (FT/FT)
	POB 100+00.00	2543411.61	402572.00									
	PC 100+34.86	2543412.12	402537.15									
SF-1	PI 101+78.22	2543414.23	402393.80	82°00'46.82" LT	34°45'00.00"	164.88	236.01	236.01	53.61	20	0.060	NC
	PT 102+70.87	2543556.48	402375.97									
	PC 104+14.12	2543698.62	402358.15									
SF-2	PI 105+24.06	2543807.71	402344.48	10°57'36.66" LT	5°00'00.00"	1145.92	109.94	219.20	5.26	45	0.060	NC
	PT 106+33.33	2543917.40	402351.79									
	PC 112+10.68	2544493.47	402390.21									
SF-3	PI 112+49.18	2544531.89	402392.77	11°30'39.88" RT	14°59'59.99"	381.97	38.50	76.74	1.94	30	0.060	NC
	PT 112+87.42	2544569.02	402402.95									
	PC 115+43.60	2544816.09	402470.66									
SF-4	PI 115+94.60	2544865.28	402484.14	15°12'40.22" RT	15°00'00.00"	381.97	51.00	51.00	3.39	30	0.060	NC
	PT 116+45.01	2544916.28	402484.24									
	POE 123+20.13	2545591.41	402485.60									

SHOO-FLY 3

CURVE NO.	CARDINAL POINTS STATION	X (EAST) (FEET)	Y (NORTH) (FEET)	CURVE DATA DELTA	DEGREE	RADIUS (FEET)	TANGENT (FEET)	ARC LENGTH (FEET)	EXTERNAL (FEET)	SUPER ELEVATION V (MPH)	Emax (FT/FT)	S (FT/FT)
	POB 100+00.00	2543413.16	402568.09									
	PC 102+58.62	2543409.79	402826.69									
SF-6	PI 104+82.80	2543406.86	403050.85	10°01'51.63" LT	2°14'34.63"	2554.48	224.18	447.22	9.82	60	0.060	0.038
	PT 107+05.84	2543364.93	403271.08									
	POE 115+02.58	2543222.75	404055.00									

SHOO-FLY 4

CURVE NO.	CARDINAL POINTS STATION	X (EAST) (FEET)	Y (NORTH) (FEET)	CURVE DATA DELTA	DEGREE	RADIUS (FEET)	TANGENT (FEET)	ARC LENGTH (FEET)	EXTERNAL (FEET)	SUPER ELEVATION V (MPH)	Emax (FT/FT)	S (FT/FT)
	POB 100+00.00	2544010.78	403316.36									
	PC 100+00.00	2544010.78	40316.36									
SF-7	PI 101+57.73	2543909.56	403437.33	16°26'51.28" RT	5°15'00.00"	1091.35	157.73	313.29	11.34	20	0.060	NC
	PRC 103+13.29	2543846.73	403582.00									
	PRC 103+13.29	2543846.73	403582.00									
SF-8	PI 104+24.97	2543802.24	403684.45	48°17'47.89" LT	22°59'59.99"	249.11	111.69	209.99	23.89	20	0.060	NC
	PT 105+23.27	2543696.16	403719.38									
	POE 109+85.15	2543257.47	403863.87									

50% plans

MODIFIED STATE PLANE COORDINATES, SEE SURVEY DATA SHEETS S001 - S051

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

GEOMETRIC LAYOUT
(SHEET 30 OF 38)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500
DETAILED	BWH	7/17	
CHECKED	NAB	10/17	DATE: 10/30/2017 SHEET NO. R033

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

51ST STREET FRONTAGE ROAD

CURVE NO.	STATION	X (EAST) (FEET)	Y (NORTH) (FEET)	DELTA	DEGREE	RADIUS (FEET)	TANGENT (FEET)	ARC LENGTH (FEET)	EXTERNAL (FEET)	V (MPH)	SUPER ELEVATION Emax (FT/FT)	SUPER ELEVATION S (FT/FT)
	POB 10+03.08	2544883.01	402589.57									
RD-2	PC 10+36.08	2544882.58	402622.57	72°09'22.28" LT	17°12'21.38"	333.00	242.63	419.37	79.02	30	SUEL 2-3	NC
	PI 12+78.71	2544879.41	402865.18									
	PT 14+55.45	2544647.50	402936.51									
RD-3	PC 15+81.58	2544526.94	402973.59	72°56'49.32" RT	5°15'00.00"	1091.35	806.77	1389.47	265.83	35	SUEL 2-3	NC
	PI 23+88.36	2543755.81	403210.76									
	PT 29+71.05	2543756.41	404017.53									
	POE 30+40.24	2543756.47	404086.72									

S. 57TH W. AVE AT W. 41ST ST.

CURVE NO.	STATION	X (EAST) (FEET)	Y (NORTH) (FEET)	DELTA	DEGREE	RADIUS (FEET)	TANGENT (FEET)	ARC LENGTH (FEET)	EXTERNAL (FEET)	V (MPH)	SUPER ELEVATION Emax (FT/FT)	SUPER ELEVATION S (FT/FT)
	POB 57+00.00	2543029.71	407857.06									
RD-4	PC 64+14.17	2543025.68	408571.21	24°50'29.84" LT	5°30'00.00"	1041.74	229.44	451.67	24.97	45	SUEL 2-3	NC
	PI 66+43.61	2543024.39	408800.65									
	PRC 68+65.83	2542926.83	409008.31									
RD-5	PRC 68+65.83	2542926.83	409008.31	24°09'27.54" RT	5°30'00.00"	1041.74	222.93	439.23	23.59	45	SUEL 2-3	NC
	PI 70+88.76	1	409210.08									
	PT 73+05.06	2542828.12	409432.97									
	POE 81+00.00	2542814.15	410227.79									

W. EASTON ST.

CURVE NO.	STATION	X (EAST) (FEET)	Y (NORTH) (FEET)	DELTA	DEGREE	RADIUS (FEET)	TANGENT (FEET)	ARC LENGTH (FEET)	EXTERNAL (FEET)	V (MPH)	SUPER ELEVATION Emax (FT/FT)	SUPER ELEVATION S (FT/FT)
	POB 69+50.00	2543846.26	427924.93									
RD-6	PC 70+00.00	2543846.83	427874.93	90°51'11.87" LT	110°11'03.09"	52.00	52.78	82.46	22.09	15	SUEL 2-3	NC
	PI 70+52.78	2543847.42	427822.15									
	PT 70+82.46	2543900.18	427823.53									
RD-7	PC 76+17.87	2544435.42	427837.52	90°07'52.13" LT	110°11'03.09"	52.00	52.12	81.80	21.62	15	SUEL 2-3	NC
	PI 76+69.99	2544487.52	427838.88									
	PT 76+99.67	2544486.04	427890.98									
	POE 77+49.67	2544484.62	427940.96									

W. 21ST ST. S.

CURVE NO.	STATION	X (EAST) (FEET)	Y (NORTH) (FEET)	DELTA	DEGREE	RADIUS (FEET)	TANGENT (FEET)	ARC LENGTH (FEET)	EXTERNAL (FEET)	V (MPH)	SUPER ELEVATION Emax (FT/FT)	SUPER ELEVATION S (FT/FT)
	POB 200+00.00	2540844.95	418849.83									
RD-1	PC 211+01.41	2541866.74	418438.71	22°51'53.13" LT	14°19'26.20"	400.00	80.89	159.63	8.10	45	EXISTING	EXISTING
	PI 211+82.30	2541941.57	418407.99									
	PT 212+61.04	2542022.45	418408.76									
	POE 239+35.46	2544696.76	418434.13									

AREA 51 DRIVEWAY

CURVE NO.	STATION	X (EAST) (FEET)	Y (NORTH) (FEET)	DELTA	DEGREE	RADIUS (FEET)	TANGENT (FEET)	ARC LENGTH (FEET)	EXTERNAL (FEET)	V (MPH)	SUPER ELEVATION Emax (FT/FT)	SUPER ELEVATION S (FT/FT)
	POB 0+00.00	2544780.27	402858.40									
RD-21	PC 0+85.63	2544839.58	402920.16	44°35'25.35" LT	45°50'11.84"	125.00	51.25	97.28	10.10	-	-	-
	PI 1+36.89	2544875.09	402957.13									
	PT 1+82.92	2544874.42	403008.38									
	POE 2+29.82	2544783.80	403055.28									

W. 2ND ST.

CURVE NO.	STATION	X (EAST) (FEET)	Y (NORTH) (FEET)	DELTA	DEGREE	RADIUS (FEET)	TANGENT (FEET)	ARC LENGTH (FEET)	EXTERNAL (FEET)	V (MPH)	SUPER ELEVATION Emax (FT/FT)	SUPER ELEVATION S (FT/FT)
	POB 55+00.00	2541880.13	425190.00									
RD-22	PC 56+79.45	2542042.00	425267.46	90°27'06.00" LT	45°50'11.84"	125.00	125.99	197.33	52.48	20	SUEL 2-3	NC
	PI 58+05.44	2542155.65	425321.84									
	PT 58+76.78	2542100.37	425435.06									
RD-23	PC 60+61.44	2542019.36	425600.99	90°29'06.00" RT	45°50'11.84"	125.00	126.06	197.41	52.53	20	SUEL 2-3	NC
	PI 61+87.50	2541964.05	425714.27									
	PT 62+58.84	2542077.79	425768.62									
RD-24	PC 65+45.68	2542336.60	425892.28	113°16'08.00" RT	38°11'49.87"	150.00	227.78	296.54	122.74	20	SUEL 2-3	NC
	PI 67+73.47	2542542.13	425990.49									
	PT 68+42.22	2542551.16	425762.88									
	POE 69+49.85	2542555.42	425655.34									

SOUTH C-D ROAD

CURVE NO.	STATION	X (EAST) (FEET)	Y (NORTH) (FEET)	DELTA	DEGREE	RADIUS (FEET)	TANGENT (FEET)	ARC LENGTH (FEET)	EXTERNAL (FEET)	V (MPH)	SUPER ELEVATION Emax (FT/FT)	SUPER ELEVATION S (FT/FT)
	POB 5329+90.75	2540896.85	425632.54									
RD-9	PC 5329+90.75	2540896.85	425632.54	0°28'40.96" LT	1°38'03.62"	3505.75	14.63	29.25	0.03	50	0.060	0.039
	PI 5330+05.38	2540909.11	425640.50									
	PRC 5330+20.00	2540921.32	425648.56									
RD-10	PRC 5330+20.00	2540921.32	425648.56	2°28'03.23" RT	0°30'00.00"	11459.16	246.79	493.51	2.66		0.060	
	PI 5332+66.79	2541127.21	425784.63									
	PCC 5335+13.51	2541338.77	425911.72									
RD-11	PCC 5335+13.51	2541338.77	425911.72	12°53'54.32" LT	4°00'00.00"	1432.39	161.91	322.46	9.12	50	0.060	0.052
	PI 5336+75.43	2541477.57	425995.09									
	PT 5338+35.97	2541594.25	426107.34									
RD-12	PC 5340+90.57	2541777.73	426283.85	25°05'50.00" RT	6°45'00.00"	848.83	188.94	371.81	20.77	50	0.060	0.060
	PI 5342+79.51	2541913.89	426414.84									
	PT 5344+62.38	2542092.75	426475.71									
RD-13	PC 5350+33.86	2542633.76	426659.82	25°36'36.00" LT	6°45'00.00"	848.83	192.93	379.41	21.65	50	0.060	0.060
	PI 5352+26.78	2542816.40	426721.97									
	PT 5354+13.27	2542954.23	426856.97									
RD-14	PC 5359+06.07	2543306.30	427201.79	37°52'24.47" RT	5°30'00.00"	1041.74	357.41	688.61	59.61	50	0.060	0.058
	PI 5362+63.49	2543561.65	427451.88									
	PT 5365+94.68	2543916.74	427492.53									
	POE 5365+94.68	2543916.74	427492.53									

NORTH C-D ROAD

CURVE NO.	STATION	X (EAST) (FEET)	Y (NORTH) (FEET)	DELTA	DEGREE	RADIUS (FEET)	TANGENT (FEET)	ARC LENGTH (FEET)	EXTERNAL (FEET)	V (MPH)	SUPER ELEVATION Emax (FT/FT)	SUPER ELEVATION S (FT/FT)
	POB 6333+07.00	2541073.77	425926.34									
RD-17	PC 6333+07.00	2541073.77	425926.34	0°33'39.96" LT	1°42'01.08"	3369.75	16.50	33.00	0.04	50	0.060	0.039
	PI 6333+23.50	2541086.73	425936.55									
	PCC 6333+40.00	2541099.59	425946.89									
RD-18	PCC 6333+40.00	2541099.59	425946.89	22°45'30.09" LT	3°45'00.00"	1527.89	307.50	606.89	30.64	50	0.060	0.050
	PI 6336+47.50	2541339.26	426139.54									
	PT 6339+46.89	2541485.74	426409.91									
RD-19	PC 6344+56.93	2541728.71	426858.36	44°37'59.00" RT	6°45'00.00"	848.83	348.42	661.23	68.72	50	0.060	0.060
	PI 6348+05.35	2541894.68	427164.71									
	PT 6351+18.16	2542228.01	427266.10									
RD-20	PC 6362+15.94	2543278.27	427585.57	15°25'18.13" RT	5°15'00.00"	1091.35	147.77	293.75	9.96	50	0.060	0.058
	PI 6363+63.70	2543419.64	427628.58									
	PT 6365+09.68	2543567.36	427632.44									
	POE 6372+00.27	2544257.71	427650.48									

50% plans

MODIFIED STATE PLANE COORDINATES, SEE SURVEY DATA SHEETS S001 - S051

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

GEOMETRIC LAYOUT
(SHEET 31 OF 38)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500
DETAILED	BWH	7/17	
CHECKED	NAB	10/17	DATE: 10/30/2017 SHEET NO. R034

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

TRAIL

CURVE NO.	CARDINAL POINTS STATION	X (EAST) (FEET)	Y (NORTH) (FEET)	CURVE DATA DELTA	DEGREE	RADIUS (FEET)	TANGENT (FEET)	ARC LENGTH (FEET)	EXTERNAL (FEET)
	POB 199+54.68	2542902.91	416089.46						
TR-1	PC 199+54.68	2542902.91	416089.46	6°10'05" LT	5°43'46"	1000.00	53.88	107.65	1.45
	PI 200+08.56	2542902.50	416143.34						
	PT 200+62.33	2542896.30	416196.86						
TR-2	PC 205+94.71	2542835.06	416725.70	8°36'38" LT	5°43'46"	1000.00	75.28	150.28	2.83
	PI 206+69.99	2542826.40	416800.48						
	PT 207+44.99	2542806.65	416873.12						
TR-3	PC 210+10.88	2542736.86	417129.70	13°02'17" RT	5°43'46"	1000.00	114.27	227.56	6.51
	PI 211+25.15	2542706.87	417239.96						
	PT 212+38.44	2542702.53	417354.15						
TR-4	PC 218+99.81	2542677.41	418015.05	10°58'22" LT	10°38'12"	538.67	51.74	103.16	2.48
	PI 219+51.55	2542675.44	418066.75						
	PT 220+02.97	2542663.67	418117.13						
TR-5	PC 222+54.30	2542606.49	418361.87	77°19'11" LT	381°58'19"	15.00	12.00	20.24	4.21
	PI 222+66.30	2542603.76	418373.55						
	PT 222+74.54	2542591.76	418373.45						
TR-6	PC 224+06.51	2542459.80	418372.37	89°55'34" RT	1145°54'56"	5.00	4.99	7.85	2.07
	PI 224+11.50	2542454.80	418372.33						
	PT 224+14.36	2542454.76	418377.32						
TR-7	PC 224+82.56	2542454.11	418445.52	90°00'00" LT	381°58'19"	15.00	15.00	23.56	6.21
	PI 224+97.56	2542453.97	418460.52						
	PT 225+06.12	2542438.97	418460.38						
TR-8	PC 228+92.79	2542052.32	418456.71	13°43'01" LT	49°49'21"	115.00	13.83	27.53	0.83
	PI 229+06.62	2542038.49	418456.58						
	PT 229+20.32	2542025.02	418459.73						
TR-9	PC 229+72.37	2541974.33	418471.59	10°00'49" RT	28°38'52"	200.00	17.52	34.95	0.77
	PI 229+89.90	2541957.27	418475.59						
	PT 230+07.33	2541941.17	418482.49						
TR-10	PC 232+02.79	2541761.49	418559.45	109°24'21" RT	114°35'30"	50.00	95.47	95.47	36.53
	PI 232+73.42	2541696.57	418587.25						
	PT 232+98.27	2541744.37	418639.25						
TR-11	PC 235+93.49	2541944.17	418856.59	6°36'54" LT	7°54'10"	725.00	41.90	83.70	1.21
	PI 236+35.39	2541972.53	418887.43						
	PT 236+77.20	2541997.14	418921.34						
TR-12	PC 241+92.73	2542300.00	419338.53	36°34'31" LT	11°34'30"	495.00	163.59	315.99	26.33
	PI 243+56.32	2542396.11	419470.91						
	PT 245+08.72	2542394.40	419634.49						
TR-13	PC 245+16.18	2542394.32	419641.95	6°33'51" LT	11°17'29"	507.43	29.10	58.14	0.83
	PI 245+45.28	2542394.02	419671.05						
	PT 245+74.32	2542390.39	419699.92						
TR-14	PC 245+74.32	2542390.39	419699.92	1°58'50" RT	0°23'53"	14397.38	248.87	497.68	2.15
	PI 248+23.18	2542359.36	419946.85						
	PT 250+72.00	2542336.89	420194.70						
TR-15	PC 253+43.46	2542326.91	420465.98	3°32'48" RT	0°23'54"	14385.38	445.38	890.48	6.89
	PI 257+88.85	2542295.05	420910.22						
	PT 262+33.94	2542290.74	421355.58						
TR-16	PC 262+82.60	2542290.27	421404.23	7°43'36" LT	22°55'06"	250.00	16.88	33.71	0.57
	PI 262+99.48	2542290.11	421421.11						
	PT 263+16.31	2542287.68	421437.82						
TR-17	PC 264+08.20	2542274.44	421528.75	3°28'35" RT	11°27'33"	500.00	15.17	30.34	0.23
	PI 264+23.37	2542272.26	421543.77						
	PT 264+38.54	2542270.99	421558.89						
TR-18	PC 271+16.17	2542214.23	422234.14	4°23'20" RT	11°27'33"	500.00	19.16	38.33	0.37
	PI 271+35.33	2542212.62	422253.23						
	PT 271+54.47	2542212.48	422272.39						
TR-19	PC 278+35.64	2542207.54	422953.54	52°12'18" LT	28°38'52"	200.00	97.99	182.23	22.72
	PI 279+33.63	2542206.83	423051.53						
	PT 280+17.87	2542128.96	423111.02						
TR-20	PC 280+97.42	2542065.75	423159.31	47°17'29" RT	49°49'21"	115.00	50.35	94.92	10.54
	PI 281+47.77	2542025.73	423189.88						
	PT 281+92.34	2542021.06	423240.01						
TR-21	PC 282+34.23	2542017.17	423281.72	31°16'25" RT	49°49'21"	115.00	32.19	62.77	4.42
	PI 282+66.42	2542014.18	423313.77						
	PT 282+97.00	2542028.26	423342.72						

TRAIL (CON'T)

CURVE NO.	CARDINAL POINTS STATION	X (EAST) (FEET)	Y (NORTH) (FEET)	CURVE DATA DELTA	DEGREE	RADIUS (FEET)	TANGENT (FEET)	ARC LENGTH (FEET)	EXTERNAL (FEET)
TR-22	PC 282+97.00	2542028.26	423342.72	65°18'49" LT	49°49'21"	115.00	73.71	131.09	21.59
	PI 283+70.71	2542060.50	423408.99						
	PT 284+28.09	2542013.75	423465.97						
TR-23	PC 284+28.09	2542013.75	423465.97	128°57'13" RT	49°49'21"	115.00	240.85	258.83	151.90
	PI 286+68.94	2541860.97	423652.17						
	PT 286+86.92	2542101.82	423653.92						
TR-24	PC 291+26.42	2542541.31	423657.11	90°00'00" LT	286°28'44"	20.00	20.00	31.42	8.28
	PI 291+46.42	2542561.30	423657.25						
	PT 291+57.83	2542561.16	423677.25						
TR-25	PC 292+53.89	2542560.46	423773.31	89°32'23" LT	381°58'19"	15.00	14.88	23.44	6.13
	PI 292+68.77	2542560.35	423788.19						
	PT 292+77.33	2542545.47	423788.20						
TR-26	PC 293+24.26	2542498.55	423788.23	89°32'23" RT	1145°54'56"	5.00	4.96	7.81	7.81
	PI 293+29.22	2542493.59	423788.24						
	PT 293+32.07	2542493.55	423793.20						
TR-27	PC 293+73.87	2542493.25	423835.00	18°15'16" RT	49°49'21"	115.00	36.64	36.64	1.47
	PI 293+92.35	2542493.11	423853.47						
	PT 294+10.51	2542498.77	423871.06						
TR-28	PC 294+81.78	2542520.61	423938.91	18°15'16" LT	49°49'21"	115.00	18.48	36.64	1.47
	PI 295+00.26	2542526.27	423956.49						
	PT 295+18.42	2542526.13	423974.97						
TR-29	PC 301+12.56	2542521.82	424569.09	27°02'19" RT	32°44'26"	175.00	42.08	82.58	4.99
	PI 301+54.64	2542521.51	424611.17						
	PT 301+95.15	2542502.12	424648.51						
	POE 302+72.84	2542466.30	424717.45						

100% plans

MODIFIED STATE PLANE COORDINATES, SEE SURVEY DATA SHEETS S001 - S051

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

GEOMETRIC LAYOUT
(SHEET 32 OF 38)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R035

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

TRAIL

CURVE NO.	CARDINAL POINTS STATION	X (EAST) (FEET)	Y (NORTH) (FEET)	CURVE DATA DELTA	DEGREE	RADIUS (FEET)	TANGENT (FEET)	ARC LENGTH (FEET)	EXTERNAL (FEET)
	POB 10+12.27	2544126.22	402630.70						
TR-30	PC 17+59.09	2543379.47	402620.95	90°00'00" RT	1145°54'56"	5	5	7.85	2.07
	PI 17+64.09	2543374.47	402620.88						
	PT 17+66.94	2543374.41	402625.88						
TR-31	PC 19+67.44	2543371.79	402826.36	10°01'52" LT	2°16'43"	2514.48	220.67	440.22	9.66
	PI 21+88.11	2543368.91	403047.02						
	PT 24+07.66	2543327.64	403263.80						
TR-32	PC 27+99.92	2543254.27	403649.14	5°43'55" LT	5°43'46"	1000	50.06	100.04	1.25
	PI 28+49.98	2543244.91	403698.32						
	PT 28+99.96	2543230.68	403746.31						
TR-33	PC 28+99.96	2543230.68	403746.31	5°43'55" RT	5°43'46"	1000	50.06	100.04	1.25
	PI 29+50.02	2543216.46	403794.31						
	PT 30+00.00	2543207.09	403843.49						
TR-34	PC 32+53.94	2543159.60	404092.95	10°27'23" RT	2°23'51"	2389.83	218.68	436.14	9.98
	PI 34+72.61	2543118.70	404307.76						
	PT 36+90.07	2543117.47	404526.44						
TR-35	PC 46+85.11	2543111.87	405521.46	12°18'44" LT	11°27'33"	500	53.93	107.44	2.9
	PI 47+39.04	2543111.56	405575.39						
	PT 47+92.56	2543099.77	405628.01						
TR-36	PC 47+92.56	2543099.77	405628.01	12°18'44" RT	11°27'33"	500	53.93	107.44	2.9
	PI 48+46.49	2543087.97	405680.64						
	PT 49+00.00	2543087.67	405734.56						
TR-37	PC 58+34.42	2543082.40	406668.97	9°57'37" LT	9°32'57"	600	52.28	104.3	2.27
	PI 58+86.70	2543082.11	406721.25						
	PT 59+38.72	2543072.77	406772.69						
TR-38	PC 63+83.23	2542993.42	407210.06	9°57'37" RT	5°43'46"	1000	87.14	173.84	3.79
	PI 64+70.37	2542977.87	407295.80						
	PT 65+57.07	2542977.38	407382.94						
TR-39	PC 68+60.06	2542975.67	407685.93	16°01'53" RT	49°49'21"	115	16.19	32.18	1.13
	PI 68+76.25	2542975.58	407702.12						
	PT 68+92.24	2542979.96	407717.71						
TR-40	PC 68+92.24	2542979.96	407717.71	16°01'53" LT	45°50'12"	125	17.6	34.97	1.23
	PI 69+09.84	2542984.73	407734.65						
	PT 69+27.21	2542984.63	407752.26						
TR-41	PC 71+72.95	2542983.25	407997.99	3°48'51" RT	5°43'46"	1000	33.3	66.57	0.55
	PI 72+06.24	2542983.06	408031.28						
	PT 72+39.51	2542985.09	408064.52						
TR-42	PC 77+46.70	2543004.02	408571.09	24°50'30" LT	5°37'01"	1020.07	224.67	442.27	24.45
	PI 79+71.36	2543002.75	408795.75						
	PT 81+88.97	2542907.22	408999.10						
TR-43	PC 81+88.97	2542907.22	408999.10	24°09'28" RT	5°23'17"	1063.4	227.56	448.36	24.08
	PI 84+16.53	2542810.46	409205.06						
	PT 86+37.33	2542806.46	409432.59						
TR-44	PC 89+88.84	2542800.28	409784.04	89°59'14" RT	1145°54'56"	5	5	7.85	2.07
	PI 89+93.84	2542800.19	409789.04						
	PT 89+96.69	2542805.19	409789.13						
TR-45	PC 90+59.50	2542867.99	409790.25	62°53'42" LT	229°10'59"	25	15.29	27.44	4.3
	PI 90+74.79	2542883.28	409790.52						
	PT 90+86.94	2542890.00	409804.25						
TR-46	PC 94+51.54	2543050.32	410131.71	16°23'30" LT	45°50'12"	125	18	35.76	1.29
	PI 94+69.55	2543058.23	410147.88						
	PT 94+87.31	2543061.27	410165.63						
TR-47	PC 95+65.89	2543074.50	410243.10	4°59'31" LT	2°01'21"	2832.79	123.48	246.81	2.69
	PI 96+89.38	2543095.29	410364.82						
	PT 98+12.70	2543105.41	410487.88						
TR-48	PC 98+12.70	2543105.41	410487.88	10°15'00" LT	45°50'12"	125	11.21	22.36	0.5
	PI 98+23.91	2543106.33	410499.06						
	PT 98+35.07	2543105.25	410510.21						
TR-49	PC 99+53.36	2543093.81	410627.95	8°02'54" RT	49°49'21"	115	8.09	16.15	0.28
	PI 99+61.45	2543093.03	410636.01						
	PT 99+69.51	2543093.38	410644.09						
TR-50	PC 102+79.34	2543106.89	410953.63	3°44'06" LT	45°50'12"	125	4.08	8.15	0.07
	PI 102+83.42	2543107.07	410957.70						
	PT 102+87.49	2543106.98	410961.77						

TRAIL (CON'T)

CURVE NO.	CARDINAL POINTS STATION	X (EAST) (FEET)	Y (NORTH) (FEET)	CURVE DATA DELTA	DEGREE	RADIUS (FEET)	TANGENT (FEET)	ARC LENGTH (FEET)	EXTERNAL (FEET)
TR-51	PC 107+69.76	2543096.59	411443.93	29°29'29" RT	49°49'21"	115.00	30.27	59.19	3.92
	PI 108+00.03	2543095.94	411474.19						
	PT 108+28.95	2543110.27	411500.85						
TR 52	PC 108+31.76	2543111.60	411503.32	28°15'23" LT	49°49'21"	115.00	28.95	56.71	3.59
	PI 108+60.71	2543125.30	411528.82						
	PT 108+88.48	2543125.30	411557.77						
TR-53	PC 110+54.90	2543125.30	411724.19	22°37'18" LT	49°49'21"	115.00	23.00	45.40	2.28
	PI 110+77.90	2543125.30	411747.19						
	PT 111+00.30	2543116.45	411768.42						
TR-54	PC 111+40.09	2543101.15	411805.15	22°37'18" RT	49°49'21"	115.00	23.00	45.40	2.28
	PI 111+63.09	2543092.30	411826.38						
	PT 111+85.49	2543092.30	411849.38						
TR-55	PC 113+59.55	2543092.30	412023.44	3°10'18" LT	5°43'46"	1000.00	27.68	55.36	0.38
	PI 113+87.23	2543092.30	412051.12						
	PT 114+14.90	2543090.77	412078.76						
TR-56	PC 123+82.84	2543037.22	413045.21	2°37'26" RT	5°43'46"	1000.00	22.90	45.79	0.26
	PI 124+05.74	2543035.95	413068.08						
	PT 124+28.63	2543035.73	413090.98						
TR-57	PC 127+05.02	2543033.09	413367.36	27°22'51" RT	49°49'21"	115.00	28.01	54.96	3.36
	PI 127+33.03	2543032.82	413395.37						
	PT 127+59.98	2543045.46	413420.37						
TR-58	PC 127+95.48	2543061.49	413452.05	27°24'23" LT	49°49'21"	115.00	28.04	55.01	3.37
	PI 128+23.52	2543074.15	413477.07						
	PT 128+50.49	2543073.87	413505.11						
TR-59	PC 134+06.14	2543068.31	414060.73	47°19'37" LT	49°49'21"	115.00	50.39	94.99	10.56
	PI 134+56.53	2543067.80	414111.12						
	PT 135+01.13	2543030.41	414144.91						
TR-60	PC 136+56.23	2542915.33	414248.89	60°40'12" RT	19°05'55"	300.00	175.55	317.67	47.59
	PI 138+31.79	2542785.07	414366.59						
	PT 139+73.90	2542823.87	414537.80						
TR-61	PC 142+21.57	2542878.62	414779.34	28°28'39" LT	5°43'46"	1000.00	253.76	497.03	31.69
	PI 144+75.33	2542934.70	415026.82						
	PT 147+18.60	2542866.00	415271.11						
TR-62	PC 147+18.60	2542866.00	415271.11	31°22'19" RT	5°43'46"	1000.00	280.82	547.55	38.68
	PI 149+99.42	2542789.97	415541.44						
	PT 152+66.14	2542865.80	415811.84						
TR-63	PC 152+66.14	2542865.80	415811.84	16°06'04" LT	5°43'46"	1000.00	141.44	281.02	9.95
	PI 154+07.59	2542903.98	415948.02						
	PT 155+47.16	2542902.91	416089.46						
	POE 155+47.16	2542902.91	416089.46						

90% plans

MODIFIED STATE PLANE COORDINATES, SEE SURVEY DATA SHEETS S001 - S051

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

GEOMETRIC LAYOUT
(SHEET 33 OF 38)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R036

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

POINT	DESCRIPTION	ALIGNMENT	STATION	DESCRIPTION	INTERSECTING FEATURE	STATION	OFFSET	NORTHING	EASTING
101	P.O.B	GILCREASE EXPRESSWAY	88+00.00					402272.95	2546801.81
102	P.O.T.	GILCREASE EXPRESSWAY	100+10.60	SECTION LINE	N-S 391			402253.14	2545591.37
				P.O.T.	CL SURVEY A011	508+54.34	0.00		
103	P.O.C.	GILCREASE EXPRESSWAY	113+39.17	P.O.T.	W. 51ST STREEET	533+90.21	0.00	402582.27	2544323.27
				SECTION LINE	E-W 64				
104	P.O.C.	GILCREASE EXPRESSWAY	114+15.17	1/16 SECTION LINE	N-S 390.75			402622.67	2544258.91
105	P.O.C.	GILCREASE EXPRESSWAY	130.30.00	1/16 SECTION LINE	E-W 63.75			403890.52	2543313.53
106	P.O.T.	GILCREASE EXPRESSWAY	143+59.13	1/4 SECTION LINE	E-W 63.5			405210.59	2583215.62
107	P.O.T.	GILCREASE EXPRESSWAY	156+82.39	1/16 SECTION LINE	E-W 63.25			406533.83	2543208.17
108	P.O.T.	GILCREASE EXPRESSWAY	170+04.48	SECTION LINE	E-W 63			407855.90	2543200.72
109	P.O.T.	GILCREASE EXPRESSWAY	170+06.60	P.O.T.	W. 41ST STREET	411+83.00	0.00	407858.02	2543200.71
110	P.O.C.	GILCREASE EXPRESSWAY	183+24.61	1/16 SECTION LINE	E-W 62.75			409175.78	2543218.70
111	P.O.T.	GILCREASE EXPRESSWAY	196+44.33	1/4 SECTION LINE	E-W 62.5			410495.45	2543225.30
				P.O.T.	CL SURVEY A001	196+35.63	0.00		
112	P.O.T.	GILCREASE EXPRESSWAY	209+64.06	1/16 SECTION LINE	E-W 62.25			411815.18	2543225.30
				P.O.T.	CL SURVEY A001	209+55.36	0.00		
113	P.O.T.	GILCREASE EXPRESSWAY	222+83.75	SECTION LINE	E-W 62			413134.87	2543225.30
				P.O.T.	CL SURVEY A001	222+75.05	0.00		
114	P.O.T.	GILCREASE EXPRESSWAY	222+86.23	P.O.T.	W. 31ST STREET	23+50.01	0.00	413137.35	2543225.30
				P.O.T.	CL SURVEY A008	23+50.01	0.00		
				P.O.T.	CL SURVEY A001	222+77.52	0.00		
115	P.O.C.	GILCREASE EXPRESSWAY	236+05.05	1/16 SECTION LINE	E-W 61.75			414456.18	2543225.30
116	P.O.C.	GILCREASE EXPRESSWAY	249+27.77	1/4 SECTION LINE	E-W 61.5			415777.00	2543163.95
117	P.O.C.	GILCREASE EXPRESSWAY	262+60.41	1/16 SECTION LINE	E-W 61.25			417096.29	2542979.24
118	P.O.C.	GILCREASE EXPRESSWAY	276+11.40	SECTION LINE	E-W 61			418415.06	2542686.51
				P.O.T.	W. 21ST STREET	219+25.12	0.00		
				P.O.T.	CL SURVEY A002	23+94.85	0.00		
				P.O.T.	CL SURVEY A001	276+11.40	0.00		
	P.O.T.	CL SURVEY A001	276+11.4	P.O.T.	W. 21ST STREET	219+25.12	0.00		
119	P.O.T.	W. 21ST STREET	219+10.18	1/4 SECTION LINE	N-S-390.5			418414.91	2542671.57
				P.O.T.	CL SURVEY A002	23+79.90	0		
120	P.O.C.	GILCREASE EXPRESSWAY	276+88.09	1/4 SECTION LINE	N-S-390.5			418490.00	2542670.22
	P.O.C.	CL SURVEY A001	276+88.09						
121	P.O.C.	GILCREASE EXPRESSWAY	289+54.71	1/16 SECTION LINE	E-W 60.75			419738.56	2542459.58
	P.O.C.	CL SURVEY A001	289+54.71						
122	P.O.C.	GILCREASE EXPRESSWAY	302+83.84	1/4 SECTION LINE	E-W 60.5			421063.33	2542358.01
	P.O.C.	CL SURVEY A001	302+83.84						
123	P.O.T.	GILCREASE EXPRESSWAY	316+09.48	1/16 SECTION LINE	E-W 60.25			422388.88	2542344.64
	P.O.T.	CL SURVEY A001	316+09.48						
124	P.O.T.	GILCREASE EXPRESSWAY	328+76.25	P.O.T.	TRAIL	289+20.55	0.00	423655.61	2542335.45
	P.O.T.	CL SURVEY A001	328+76.25						
125	P.O.T.	GILCREASE EXPRESSWAY	329+30.24	P.O.T.	CL SURVEY A001	329+30.24	0.00	423709.60	2542335.05
				P.O.T.	CL SURVEY A003	19+00.56	0.00		
	P.O.T.	CL SURVEY A001	329+30.24	P.O.T.	CL SURVEY A003	19+00.56	0.00		
126	P.O.T.	GILCREASE EXPRESSWAY	329+35.08	SECTION LINE	E-W 60			423714.44	2542335.02
	P.O.T.	CL SURVEY A001	329+35.08						
127	P.O.T.	GILCREASE EXPRESSWAY	351+04.70	P.O.T.	2ND STREET	65+26.47	0.00	425884.00	2542319.27
				P.O.T.	CL SURVEY A004	65+26.47	0.00		
	P.O.T.	CL SURVEY A001	351+04.70	P.O.T.	2ND STREET	65+26.47	0.00		
128	P.O.C.	GILCREASE EXPRESSWAY	355+52.55	1/4 SECTION LINE	E-W 59.5			426331.85	2542319.99
	P.O.C.	CL SURVEY A001	355+52.55						
129	P.O.C.	GILCREASE EXPRESSWAY	357+75.00	P.O.T.	RAMP SOUTH C-D	5347+06.22	0.00	426554.27	2542323.59
	P.O.C.	CL SURVEY A001	357+75.00						
130	P.O.C.	GILCREASE EXPRESSWAY	361+87.04	P.O.C.	KEYSTONE MAINLINE SURVEY	349+46.32	0.00	426966.12	2542335.96
	P.O.C.	CL SURVEY A001	361+87.04						
131	P.O.C.	GILCREASE EXPRESSWAY	365+25.00	P.O.C.	RAMP NORTH C-D	6352+47.38	0.00	427303.71	2542351.64
	P.O.C.	CL SURVEY A001	365+25.00						
132	P.O.C.	GILCREASE EXPRESSWAY	376+62.57	COUNTY LINE	TULSA/OSAGE			428437.66	2542440.95
	P.O.C.	CL SURVEY A001	376+62.57						
133	P.O.C.	GILCREASE EXPRESSWAY	379+55.76	SECTION LINE	E-W 59			428729.07	2542473.07
	P.O.C.	CL SURVEY A001	379+55.76						

50% plans

MODIFIED STATE PLANE COORDINATES, SEE SURVEY DATA SHEETS S001 - S051

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

GEOMETRIC LAYOUT
(SHEET 34 OF 38)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500
DETAILED	BWH	7/17	
CHECKED	NAB	10/17	DATE: 10/30/2017 SHEET NO. R037

POINT	DESCRIPTION	ALIGNMENT	STATION	DESCRIPTION	INTERSECTING FEATURE	STATION	OFFSET	NORTHING	EASTING
201	P.O.B.	RAMP-A-W.51ST ST.	1105+15.00		GILCREASE EXPRESSWAY	105+15.00	60.00 LT	402231.57	2545078.38
202	P.O.C.	RAMP-A-W.51ST ST.	1113-88.51	1/16 SECTION LINE	N-S 390.75			402525.15	2544260.36
203	P.O.C.	RAMP-A-W.51ST ST.	1114+89.94	P.O.T.	51ST STREET	532+42.20	0.00	402580.33	2544175.26
				SECTION LINE	E-W 64				
204	P.O.C.	RAMP-A-W.51ST ST.	1115+76.71	P.O.T.	TRAIL	10+34.08	0.00	402630.41	2544104.42
205	P.O.T.	RAMP-A-W.51ST ST.	1125+00.10	P.O.T.	TRAIL	16+81.09	0.00	402621.97	2543457.46
206	P.O.E.	RAMP-A-W.51ST ST.	1125+51.10	P.O.T.	51ST STREET	525+25.00	0.00	402570.97	2543458.13
				SECTION LINE	E-W 64				
207	P.O.B.	RAMP-B-W.51ST ST.	2108+25.00		GILCREASE EXPRESSWAY	108+25.00	60.00 RT	402424.61	2544808.14
208	P.O.C.	RAMP-B-W.51ST ST.	2112+25.71	P.O.T.	51ST STREET	535+07.95	0.00	402583.80	2544441.00
				SECTION LINE	E-W 64				
209	P.O.C.	RAMP-B-W.51ST ST.	2114+46.86	1/16 SECTION LINE	N-S 390.75			402706.66	2544257.72
210	P.O.E.	RAMP-B-W.51ST ST.	2120+92.42	P.O.C.	51ST FRONTAGE ROAD	21+00.00	0.00	403235.82	2544085.37
211	P.O.B.	RAMP-D-W.51ST ST.	4120+43.99	P.O.C.	51ST FRONTAGE ROAD	22+25.00	0.00	403328.06	2544001.12
				P.O.C.	SHOOFLY 4	100+15.17	0.00		
212	P.O.C.	RAMP-D-W.51ST ST.	4130+28.06	1/16 SECTION LINE	E-W 63.75			403891.37	2543375.92
213	P.O.E.	RAMP-D-W.51ST ST.	4136+00.00		GILCREASE EXPRESSWAY	136+00.00	60.00 RT	404453.81	2543281.10
214	P.O.B.	RAMP-C-W.51ST ST.	3117+00.78	P.O.T.	51ST STREET	524+74.00	0.00	402570.30	2543407.13
				SECTION LINE	E-W 64				
215	P.O.T.	RAMP-C-W.51ST ST.	3117+51.78	P.O.T.	TRAIL	1732.09	0.00	402621.30	2543406.47
216	P.O.T.	RAMP-C-W.51ST ST.	3130+33.98	1/16 SECTION LINE	E-W 63.75			403889.53	2543241.08
217	P.O.E.	RAMP-C-W.51ST ST.	3136+00.00		GILCREASE EXPRESSWAY	136+00.00	60.00 LT	404449.17	2543161.19
218	P.O.B.	RAMP-A-W.41ST ST.	1151+20.00		GILCREASE EXPRESSWAY	151+20.00	60.00LT	405971.11	2543151.33
219	P.O.T.	RAMP-A-W.41ST ST.	1156+81.85	1/16 SECTION LINE	E-W 63.25			406532.95	2543148.17
220	P.O.T.	RAMP-A-W.41ST ST.	1170+12.03	SECTION LINE	E-W 63			407853.08	2543017.73
221	P.O.E.	RAMP-A-W.41ST ST.	1170+15.94	P.I.	W. 41ST STREET	410+00.00	0.00	407856.99	2543017.71
222	P.O.B.	RAMP-B-W.41ST ST.	2151+50.00		GILCREASE EXPRESSWAY	151+50.00	48.00 RT	406001.72	2543259.16
223	P.O.T.	RAMP-B-W.41ST ST.	2156+84.06	1/16 SECTION LINE	E-W 63.25			406534.99	2543288.17
224	P.O.E.	RAMP-B-W.41ST ST.	2170+18.22	SECTION LINE	E-W 63			407859.24	2543417.70
				P.I.	W. 41ST STREET	414+00.00	0.00		
				P.O.B.	RAMP-D-W.41ST ST.	4169+97.60	0.00		
225	P.O.C.	RAMP-D-W.41ST ST.	4183+25.54	1/16 SECTION LINE	E-W 62.75			409176.77	2543285.42
226	P.O.E.	RAMP-D-W.41ST ST.	4190+60.00		GILCREASE EXPRESSWAY	190+60.00	60.00 RT	409911.12	2543285.30
227	P.O.B.	RAMP-C-W.41ST ST.	3187+07.07	P.O.T.	S. 57TH W. AVE AT 41ST	75+43.32	0.00	409671.19	2542823.94
228	P.O.T.	RAMP-C-W.41ST ST.	3187+10.46	1/4 SECTION LINE	N-S 390.5			409672.94	2542826.84
229	P.O.C.	RAMP-C-W.41ST ST.	3196+42.19	1/4 SECTION LINE	E-W 62.5			410494.23	2543138.08
230	P.O.E.	RAMP-C-W.41ST ST.	3205+00.00		GILCREASE EXPRESSWAY	205+00.00	48.00 LT	411351.12	2543177.30
231	P.O.B.	RAMP-B-W.21ST ST.	2254+00.00		GILCREASE EXPRESSWAY	254+00.00	48.00 RT	416252.41	2543160.17
232	P.O.C.	RAMP-B-W.21ST ST.	2262+48.50	1/16 SECTION LINE	E-W 61.25			417097.81	2543126.35
233	P.O.E.	RAMP-B-W.21ST ST.	2276+35.74	P.O.T.	W. 21ST STREET	227+05.09	0.00	418422.46	2543466.44
				P.O.T.	CL SURVEY A002	31+74.81	0.00		
				SECTION LINE	E-W 61				
234	P.O.B.	RAMP-C-W.21ST ST.	3260+00.37	P.O.T.	W. 21ST STREET	226+65.09	0.00	418422.08	2543426.44
				P.O.T.	CL SURVEY A002	31+34.81	0.00		
				SECTION LINE	E-W 61				
235	P.O.E.	RAMP-C-W.21ST ST.	3274+27.89		GILCREASE EXPRESSWAY	274+27.89	60.00 RT	418249.75	2542785.54
236	P.O.E.	57TH W AVE	62+50.00	P.O.T.	W. 21ST STREET	217+75.00	0.00	418413.63	2542536.39
				P.O.T.	CL SURVEY A002	22+44.73			
				SECTION LINE	E-W 61				
237	P.O.B.	RAMP-A-W.21ST ST.	1275+45.72		GILCREASE EXPRESSWAY	275+46.96	60.00 LT	418338.99	2542641.97
238	P.O.T.	RAMP-A-W.21ST ST.	1276+23.04	P.O.T.	W. 21ST STREET	218+63.82	0.00	418414.48	2542625.21
				P.O.T.	CL SURVEY A002	23+33.54	0.00		
				SECTION LINE	E-W 61				
239	P.O.C.	RAMP-A-W.21ST ST.	1289+03.07	P.O.T.	TRAIL	231+36.39	0.00	418533.30	2541822.53
240	P.O.E.	RAMP-A-W.21ST ST.	1289+74.43	P.O.T.	W. 21ST STREET	210+14.99	0.00	418471.53	2541786.79
241	P.O.B.	RAMP-D-W.21ST ST.	4275+15.71	P.O.T.	W. 21ST STREET	209+53.46	0.00	418494.90	2541729.88
				SECTION LINE	E-W 61				
242	P.O.C.	RAMP-D-W.21ST ST.	4275+88.00	P.O.T.	TRAIL	231+97.90	0.00	418557.52	2541765.99
243	P.O.C.	RAMP-D-W.21ST ST.	4289+61.70	1/16 SECTION LINE	E-W 60.75			419738.01	2542399.20
244	P.O.E.	RAMP-D-W.21ST ST.	4292+14.96		GILCREASE EXPRESSWAY	292+13.75	60.00 LT	419989.64	2542370.48
245	P.O.B.	SHOOFLY 1	100+00.00		W. 51ST STREET	524+78.50	1.64 LT	402572.00	2543411.61
246	P.O.T.	SHOOFLY 1	100+03.93	P.O.T.	CL SURVEY A010	62+17.62	0.00	402568.07	2543411.67
247	P.O.B.	55TH STREET REALIGNMENT	55+00.00	P.O.T.	W. 41ST STREET	415+09.16	0.00	407860.92	2543526.85
				SECTION LINE	E-W 63				
248	P.O.B.	39TH STREET	50+00.00		1/4 SECTION LINE	N-S 390.5		408506.60	2542847.60
249	P.O.T.	39TH STREET	51+56.79	P.O.T.	TRAIL	76+85.06	0.00	408509.46	2543004.37
250	P.O.T.	39TH STREET	51+78.46	P.O.T.	57TH REALIGNMENT	63+52.81	0.00	408509.85	2543026.03
251	P.O.T.	39TH STREET	53+54.12	P.O.C.	GILCREASE EXPRESSWAY	176+61.65	0.00	408513.05	2543201.66
252	P.O.T.	39TH STREET	53+77.76	P.O.T.	CL SURVEY A001	176+53.66	0.00	408513.49	2543225.30
253	P.O.T.	39TH STREET	55+42.50	P.O.T.	RAMP-D-W.41ST ST.	4176+56.69	0.00	408516.49	2543390.01
254	P.O.T.	39TH STREET	63+24.47	1/16 SECTION LINE	N-S 390.75			408530.47	2544171.85
255	P.O.E.	39TH STREET	63+95.06	P.O.T.	53RD REALIGNMENT	106+60.00	0.00	408532.02	2544242.43

50% plans

OKLAHOMA TURNPIKE AUTHORITY

SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED
R/W
10/30/2017

MODIFIED STATE PLANE COORDINATES, SEE SURVEY DATA SHEETS S001 - S051

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

GEOMETRIC LAYOUT
(SHEET 35 OF 38)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R038

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

POINT	DESCRIPTION	ALIGNMENT	STATION	DESCRIPTION	INTERSECTING FEATURE	STATION	OFFSET	NORTHING	EASTING
301	P.O.B.	W. 51ST STREET	500+00.00	SECTION LINE	E-W 64			402533.58	2540933.41
302	P.O.T.	W. 51ST STREET	520+00.00	SECTION LINE	E-W 64			402564.12	2542933.17
				1/4 SECTION LINE	N-S 390.5				
303	P.O.T.	W. 51ST STREET	533+26.43	SECTION LINE	E-W 64			402581.43	2544259.49
				1/16 SECTION LINE	N-S 390.75				
304	P.O.T.	W. 51ST STREET	539+50.00	P.O.B.	51ST FRONTAGE ROAD	10+03.08	0.00	402589.57	2544883.01
305	P.O.T.	W. 51ST STREET	546+52.86	SECTION LINE	N-S 391			402598.75	2545585.81
				SECTION LINE	E-W 64				
				P.O.T.	CL SURVEY A011	512+00.00	0.00		
306	P.O.E.	W. 51ST STREET	551+50.00	SECTION LINE	E-W 64			402606.68	2546082.88
				P.O.T.	CL SURVEY A010	88+89.12	0.00		
307	P.O.C.	51ST STREET FRONTAGE	13+00.00	P.O.B.	AREA 51 DRIVE	0+00.00	0.00	402858.40	2544780.27
308	P.O.C.	51ST STREET FRONTAGE	18+86.01	1/16 SECTION LINE	N-S 390.75			403102.25	2544252.12
309	P.O.C.	51ST STREET FRONTAGE	28+49.94	1/16 SECTION LINE	E-W 63.75			403896.66	2543763.04
310	P.O.B.	W. 41ST STREET	400+00.00	SECTION LINE	E-W 63			407837.63	2542017.90
311	P.O.T.	W. 41ST STREET	409+66.33	P.O.T.	TRAIL	70+31.17	0.00	407856.21	2542984.05
312	P.O.T.	W. 41ST STREET	410+12.00	P.O.B.	S. 57TH W. AVE AT 41ST	57+00.00	0.00	407857.06	2543029.71
313	P.O.T.	W. 41ST STREET	421+66.17	1/16 SECTION LINE	N-S 390.75			407871.05	2544183.78
				SECTION LINE	E-W 63				
314	P.O.T.	W. 41ST STREET	422+35.00	P.O.B.	53RD REALIGNMENT	100+00	0.00	407872.11	2544252.60
315	P.O.E.	W. 41ST STREET	427+00.00	SECTION LINE	E-W 63			407879.27	2544717.55
316	P.O.C.	S. 57TH W. AVE AT 41ST	70+39.17	1/16 SECTION LINE	E-W 62.75			409170.59	2542866.49
317	P.O.C.	S. 57TH W. AVE AT 41ST	72+25.84	1/4 SECTION LINE	N-S 390.5			409353.89	2542832.52
318	P.O.T.	S. 57TH W. AVE AT 41ST	76+61.57	P.O.T.	TRAIL	90+13.36	0.00	409789.43	2542821.86
319	P.O.B.	W. 31ST STREET	10+00.00	P.O.B.	CL SURVEY A008	10+00.00	0.00	413124.26	2541875.36
320	P.O.T.	W. 31ST STREET	18+89.95	1/4 SECTION LINE	N-S 390.5			413132.95	2542765.27
321	P.O.T.	W. 31ST STREET	21+60.00	P.O.T.	TRAIL	124+73.19	0.00	413135.53	2543035.30
				P.O.T.	CL SURVEY A008	21+60.00			
322	P.O.T.	W. 31ST STREET	32+13.52	P.O.T.	CL SURVEY A008	32+13.52	0.00	413145.61	2544088.77
				1/16 SECTION LINE	N-S 390.75				
323	P.O.E.	W. 31ST STREET	32+50.02	P.O.E	CL SURVEY A008	32+50.02	0.00	413145.95	2544125.27
324	P.O.T.	W. 21ST STREET	205+34.65	1/16 SECTION LINE	N-S 390.25			418652.21	2541341.74
325	P.O.T.	W. 21ST STREET	209+95.82	P.O.B.	RAMP-E-W. 21ST ST.	10+00.00	0.00	418478.81	2541769.07
326	P.O.T.	W. 21ST STREET	212+61.04	SECTION LINE	E-W 61			418408.76	2542022.45
327	P.O.T.	W. 21ST STREET	216+93.02	P.O.T.	TRAIL	224+49.89	0.00	418412.85	2542454.42
				P.O.T.	CL SURVEY A002	21+62.75	0.00		
328	P.O.T.	W. 21ST STREET	232+35.44	P.O.T.	CL SURVEY A002	37+05.17		418427.49	2543996.77
				1/16 SECTION LINE	N-S 390.75				
				SECTION LINE	E-W 61				
329	P.O.E.	W. 21ST STREET	239+35.46	P.O.E.	CL SURVEY A002	44+05.19		418434.13	2544696.76
				SECTION LINE	E-W 61				
330	P.O.B.	2ND STREET	55+00.00	P.O.B.	CL SURVEY A004	55+00.00	0.00	425190.00	2541880.13
331	P.O.C.	2ND STREET	68+03.50	1/4 SECTION LINE	N-S 390.5			425800.95	2542544.67
				P.O.C.	CL SURVEY A004	68+03.50	0.00		
332	P.O.E.	2ND STREET	69+49.85	P.O.C.	CL SURVEY A004	69+49.85	0.00	425655.34	2542555.42
333	P.O.B.	57TH REALIGNMENT AT 51ST	0+00.00	P.O.T.	W. 51ST STREET	519+92.00	0.00	402563.99	2542925.17
334	P.O.T.	SHOOFLY 1	100+01.64	P.O.T.	W. 51ST STREET	524+78.50	0.00	402570.36	2543411.64
				SECTION LINE	E-W 64				
335	P.O.T.	SHOOFLY 1	109+79.37	1/16 SECTION LINE	N-S 390.75			402374.82	2544262.68
336	P.O.C.	SHOOFLY 1	112+38.73	P.O.C.	RAMP-A-W.51ST ST.	1110+95.66	0.00	402393.10	2544521.37
337	P.O.T.	SHOOFLY 1	113+61.66	P.O.C.	GILCREASE EXPRESSWAY	109+83.55	0.00	402422.57	2544640.61
338	P.O.T.	SHOOFLY 1	113+70.39	P.O.C.	CL SURVEY A001	109+76.43	0.00	402424.88	2544649.04
339	P.O.T.	W. 21ST STREET	210+00	P.O.E.	W. 21ST PLACE	26+00	0.00	418477.23	2541772.93

50% plans

MODIFIED STATE PLANE COORDINATES, SEE SURVEY DATA SHEETS S001 - S051

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

GEOMETRIC LAYOUT
(SHEET 36 OF 38)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500
DETAILED	BWH	7/17	
CHECKED	NAB	10/17	DATE: 10/30/2017 SHEET NO. R039

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED
R/W
10/30/2017

POINT	DESCRIPTION	ALIGNMENT	STATION	DESCRIPTION	INTERSECTING FEATURE	STATION	OFFSET	NORTHING	EASTING
401	P.O.T.	TRAIL	30+46.27	1/16 SECTION LINE	E-W 63.75			403888.95	2543198.44
402	P.O.T.	TRAIL	43+72.78	1/4 SECTION LINE	E-W 63.5			405209.13	2543113.63
403	P.O.T.	TRAIL	56+97.45	1/16 SECTION LINE	E-W 63.25			406532.00	2543083.17
404	P.O.T.	TRAIL	70+27.52	SECTION LINE	E-W 63			407852.56	2542984.07
405	P.O.C.	TRAIL	83+71.62	1/16 SECTION LINE	EW-62.75			409170.26	2542844.10
406	P.O.C.	TRAIL	84+07.64	1/4 SECTION LINE	N-S 390.5			409205.15	2542835.17
407	P.O.T.	TRAIL	90+16.27	1/4 SECTION LINE	N-S 390.5			409789.48	2542824.77
408	P.O.C.	TRAIL	98+18.60	1/4 SECTION LINE	E-W 62.5			410493.77	2543105.76
409	P.O.C.	TRAIL	111+48.99	1/16 SECTION LINE	E-W 62.25			411813.48	2543098.05
410	P.O.T.	TRAIL	124+70.14	SECTION LINE	E-W 62			413132.48	2543035.33
411	P.O.C.	TRAIL	138+86.88	1/16 SECTION LINE	E-W 61.75			414451.34	2542817.13
412	P.O.C.	TRAIL	152+26.66	1/4 SECTION LINE	E-W 61.5			415773.61	2542855.89
413	P.O.E.	TRAIL	155+47.16	P.O.B.	TRAIL	199+54.68	0.00	416089.46	2542902.91
414	P.O.T.	TRAIL	209+73.78	1/16 SECTION LINE	E-W 61.25			417093.90	2542746.60
415	P.O.T.	TRAIL	218+37.91	1/4 SECTION LINE	N-S 390.5			417953.19	2542679.76
416	P.O.T.	TRAIL	223+29.52		57TH REALIGNMENT AT 21ST	62+09.37	0.00	418373.00	2542536.78
417	P.O.T.	TRAIL	231+55.55	P.O.T.	RAMP-E-W. 21ST ST.	10+71.65	0.00	418540.85	2541804.91
418	P.O.C.	TRAIL	246+12.58	1/16 SECTION LINE	E-W 60.75			419737.89	2542385.67
419	P.O.C.	TRAIL	259+41.10	1/4 SECTION LINE	E-W 60.5			421062.81	2542296.56
420	P.O.T.	TRAIL	272+69.90	1/16 SECTION LINE	E-W 60.25			422387.82	2542211.64
421	P.O.T.	TRAIL	291+90.10	P.O.T.	CL SURVEY A003	21+26.43	0.00	423709.51	2542560.93
422	P.O.T.	TRAIL	291+96.71	SECTION LINE	E-W 60			423716.13	2542560.88

POINT	DESCRIPTION	ALIGNMENT	STATION	DESCRIPTION	INTERSECTING FEATURE	STATION	OFFSET	NORTHING	EASTING
501	P.O.C.	CL SURVEY A001	113+27.99	P.O.T.	W. 51ST STREET	534+02.09	0.00	402582.42	2544335.15
				SECTION LINE	E-W 64				
502	P.O.C.	CL SURVEY A001	114+18.19	1/16 SECTION LINE	N-S 390.75			402630.45	2544258.80
503	P.O.C.	CL SURVEY A001	130+21.52	1/16 SECTION LINE	E-W 63.75			403890.62	2543320.99
504	P.O.T.	CL SURVEY A001	156+74.25	1/16 SECTION LINE	E-W63.25			406534.08	2543225.30
505	P.O.T.	CL SURVEY A001	169+96.45	SECTION LINE	E-W 63			407856.28	2543225.30
506	P.O.T.	CL SURVEY A001	169+98.33	P.O.T.	W. 41ST STREET	412+07.60	0.00	407858.16	2543225.30
507	P.O.T.	CL SURVEY A001	183+16.05	1/16 SECTION LINE	E-W 62.75			409175.88	2543225.30
508	P.O.T.	CL SURVEY A001	188+65.76	P.T.	GILCREASE EXPRESSWAY	188+74.47	0.00	409725.59	2543225.30
509	P.O.T.	CL SURVEY A001	235+92.87	P.C.	GILCREASE EXPRESSWAY	236+01.57	0.00	414452.70	2543225.30
510	P.O.T.	CL SURVEY A001	235+96.35	1/16 SECTION LINE	E-W 61.75			414456.18	2543225.30
511	P.O.C.	CL SURVEY A001	255+10.50	P.O.T.	W. 21ST STREET RAMP B	2255+14.29	0.00	416366.29	2543150.47
512	P.O.T.	CL SURVEY A001	262+57.54	1/16 SECTION LINE	E-W 61.25			417096.44	2542993.37
513	P.O.T.	CL SURVEY A001	268+89.07	P.T.	GILCREASE EXPRESSWAY	268+89.07	0.00	417711.41	2542849.69
514	P.O.T.	CL SURVEY A010	57+39.11	1/4 SECTION LINE	N-S 390.5			402562.15	2542933.20
515	P.O.T.	CL SURVEY A010	69+85.01	P.O.C.	RAMP-A-W.51ST ST.	1114+85.42	0.00	402577.80	2544179.00
516	P.O.T.	CL SURVEY A010	70+65.55	1/16 SECTION LINE	N-S 390.75			402578.78	2544259.53
517	P.O.T.	CL SURVEY A010	71+33.69	P.O.C.	GILCREASE EXPRESSWAY	113+34.04	0.00	402579.61	2544327.66
518	P.O.T.	CL SURVEY A010	72+52.08	P.O.C.	RAMP-B-W.51ST ST.	2112+19.97	0.00	402581.06	2544446.05
519	P.O.T.	CL SURVEY A009	15+40.71	1/4 SECTION LINE	N-S 390.5			407855.67	2542859.19
520	P.O.T.	CL SURVEY A009	16+65.60	P.O.T.	TRAIL	70+34.18	0.00	407859.22	2542984.03
521	P.O.T.	CL SURVEY A009	17+11.28	P.O.T.	57TH REALIGNMENT AT 41ST	57+03.17	0.00	407860.22	2543029.69
522	P.O.T.	CL SURVEY A009	18+82.28	P.O.T.	GILCREASE EXPRESSWAY	170+09.14	0.00	407860.56	2543200.69
523	P.O.T.	CL SURVEY A009	20+99.28	P.O.T.	RAMP-D-W. 41ST STREET	4169+99.34	0.00	407860.99	2543417.69
524	P.O.T.	CL SURVEY A009	22+08.46	P.O.T.	55TH STREET REALIGNMENT	55+01.26	0.00	407862.19	2543526.86
525	P.O.E.	CL SURVEY A009	25+47.06	P.O.T.	W. 41ST STREET	418+47.79	0.00	407866.14	2543865.44
				SECTION LINE	E-W 63				
526	P.O.T.	CL SURVEY A008	18+89.95	1/4 SECTION LINE	N-S 390.5			413132.95	2542765.27
527	P.O.T.	CL SURVEY A002	14+25.94	P.O.T.	RAMP-D-W. 21ST STREET	4275+21.01	0.00	418499.50	2541732.51
528	P.O.T.	CL SURVEY A002	14+68.21	P.O.T.	RAMP-E-W. 21ST STREET	10+04.53	0.00	418482.75	2541771.32
529	P.O.T.	CL SURVEY A002	14+87.33	P.O.T.	RAMP-A-W. 21ST STREET	1289+70.24	0.00	418475.17	2541788.88
530	P.C.	CL SURVEY A002	17+91.29	P.O.T.	W. 21ST STREET	213+21.56	0.00	418409.33	2542082.98
				SECTION LINE	E-W 61				
531	P.O.T.	CL SURVEY A003	12+83.30	SECTION LINE	E-W 60			423709.84	2541717.80

50% plans

MODIFIED STATE PLANE COORDINATES, SEE SURVEY DATA SHEETS S001 - S051

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

GEOMETRIC LAYOUT
(SHEET 37 OF 38)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R040

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

POINT	DESCRIPTION	ALIGNMENT	STATION	DESCRIPTION	INTERSECTING FEATURE	STATION	OFFSET	NORTHING	EASTING
601	P.O.T.	CL SURVEY A005	378+88.52	P.O.T.	SURVEY N. 49TH W. AVE	20+02.21	0.00	427605.82	2545151.37
				SECTION LINE	N-S 391				
602	P.O.B.	S. 65TH W. AVE SURVEY	15+00.00	SECTION LINE	N-S 390			424645.95	2539902.84
603	P.O.T.	S. 65TH W. AVE SURVEY	22+20.91	P.O.B.	RAMP-A-S. 65TH W. AVE	1320+03.98	0.00	425366.74	2539890.01
				SECTION LINE	N-S 390				
604	P.O.E.	S. 65TH W. AVE SURVEY	25+00.00	SECTION LINE	N-S 390			425645.79	2539885.04
605	P.O.B.	SURVEY N. 49TH W. AVE	15+00.00	SECTION LINE	N-S 391			427103.73	2545162.68
606	P.O.T.	SURVEY N. 49TH W. AVE	17+71.54	P.O.E.	RAMP-C-N. 49TH W. AVE.	3378+08.57	0.00	427375.20	2545156.56
				SECTION LINE	N-S 391				
607	P.O.T.	SURVEY N. 49TH W. AVE	22+13.33	P.O.E.	RAMP-D- N. 49TH W. AVE.	4381+11.79	0.00	427816.88	2545146.61
				SECTION LINE	N-S 391				
608	P.O.T.	SURVEY N. 49TH W. AVE	28+97.54	COUNTY LINE	TULSA/OSAGE			428500.91	2545131.21
609	P.O.T.	S. 65TH W. AVE SURVEY	17+90.00	P.O.B.	RAMP-B-S. 65TH W. AVE	2317+54.76	0.00	424935.90	2539897.68
				SECTION LINE	N-S 390				

POINT	DESCRIPTION	ALIGNMENT	STATION	DESCRIPTION	INTERSECTING FEATURE	STATION	OFFSET	NORTHING	EASTING
701	P.O.C.	SOUTH C-D	5341+66.87	1/4 SECTION LINE	E-W 59.5			426334.21	2541835.02
702	P.O.T.	SOUTH C-D	5349+23.51	1/4 SECTION LINE	N-S 390.5			426624.27	2542529.29
703	P.O.C.	NORTH C-D	6338+61.64	1/4 SECTION LINE	E-W 59.5			426336.12	2541443.06
704	P.O.T.	NORTH C-D	6354+14.28	1/4 SECTION LINE	N-S 390.5			427352.28	2542511.32
705	P.O.C.	RAMP-A-S. 65TH W. AVE	1338+56.33	1/4 SECTION LINE	E-W 59.5			426336.18	2541431.90
706	P.O.T.	SHOOFLY 1	114+62.37	P.O.C.	RAMP-B-W. 51ST STREET	2108+99.57	0.00	402449.19	2544737.75
707	NOT USED								
708	P.O.T.	SHOOFLY 1	123+16.36	P.O.T.	CL SURVEY A011	510+86.82	0.00	402485.59	2545587.63
				SECTION LINE	N-S 391				
709	NOT USED								
710	NOT USED								
711	NOT USED								
712	NOT USED								
713	P.O.B.	SHOOFLY 3	100+00.00	P.O.T.	CL SURVEY A010	62+19.11	0.00	402568.09	2543413.16
714	P.O.T.	SHOOFLY 3	100+02.30	P.O.T.	W. 51ST STREET	524+80.00	0.00	402570.38	2543413.13
				SECTION LINE	E-W 64				
715	P.O.T.	SHOOFLY 3	100+53.30	P.O.T.	TRAIL	17+26.09	0.00	402621.38	2543412.47
716	P.O.T.	SHOOFLY 3	113+34.85	1/16 SECTION LINE	E-W 64.5			403889.67	2543251.03
717	P.O.B.	SHOOFLY 4	100+00.00	P.O.C.	W. 51ST STREET FRONTAGE	22+09.83	0.00	403316.36	2544010.78
718	P.R.C.	SHOOFLY 4	103+13.29	P.O.C.	W. 51ST STREET FRONTAGE	25+23.12	0.00	403582.00	2543846.73
719	P.O.T.	SHOOFLY 4	108+33.01	P.O.C.	RAMP-D-W. 51ST STREET	4129+48.55	0.00	403816.28	2543401.97
720	P.O.T.	SHOOFLY 4	109+00.84	P.O.C.	CL SURVEY A001	129+65.88	0.00	403837.50	2543337.54
721	P.O.T.	SHOOFLY 4	109+09.81	P.O.C.	GILCREASE EXPRESSWAY	129+77.45	0.00	403840.31	2543329.02

50% plan

MODIFIED STATE PLANE COORDINATES, SEE SURVEY DATA SHEETS S001 - S051

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

GEOMETRIC LAYOUT
(SHEET 38 OF 38)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R041

UTILITIES CONTACTS	
AEP (PSO)	888-216-3523
AT&T	405-291-6941
COX COMMUNICATION	918-806-6000
SUNOCO PIPELINE, L.P.	888-786-3260
MAGELLAN GAS	800-720-2417/918-630-2376
EXPLORER PIPELIINE	800-522-6543
PLAINS PIPELINE	800-708-5071
GREAT LAKES PIPELINE	800-522-6543
ONEOK	800-522-6543
ONG	800-458-4251
CITY OF TULSA SEWER	918-596-2100
CITY OF TULSA WATER	918-596-2100

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PROFILE SHEETS R065 TO R084

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℞, ℄.

SEC 33 T19N R12E

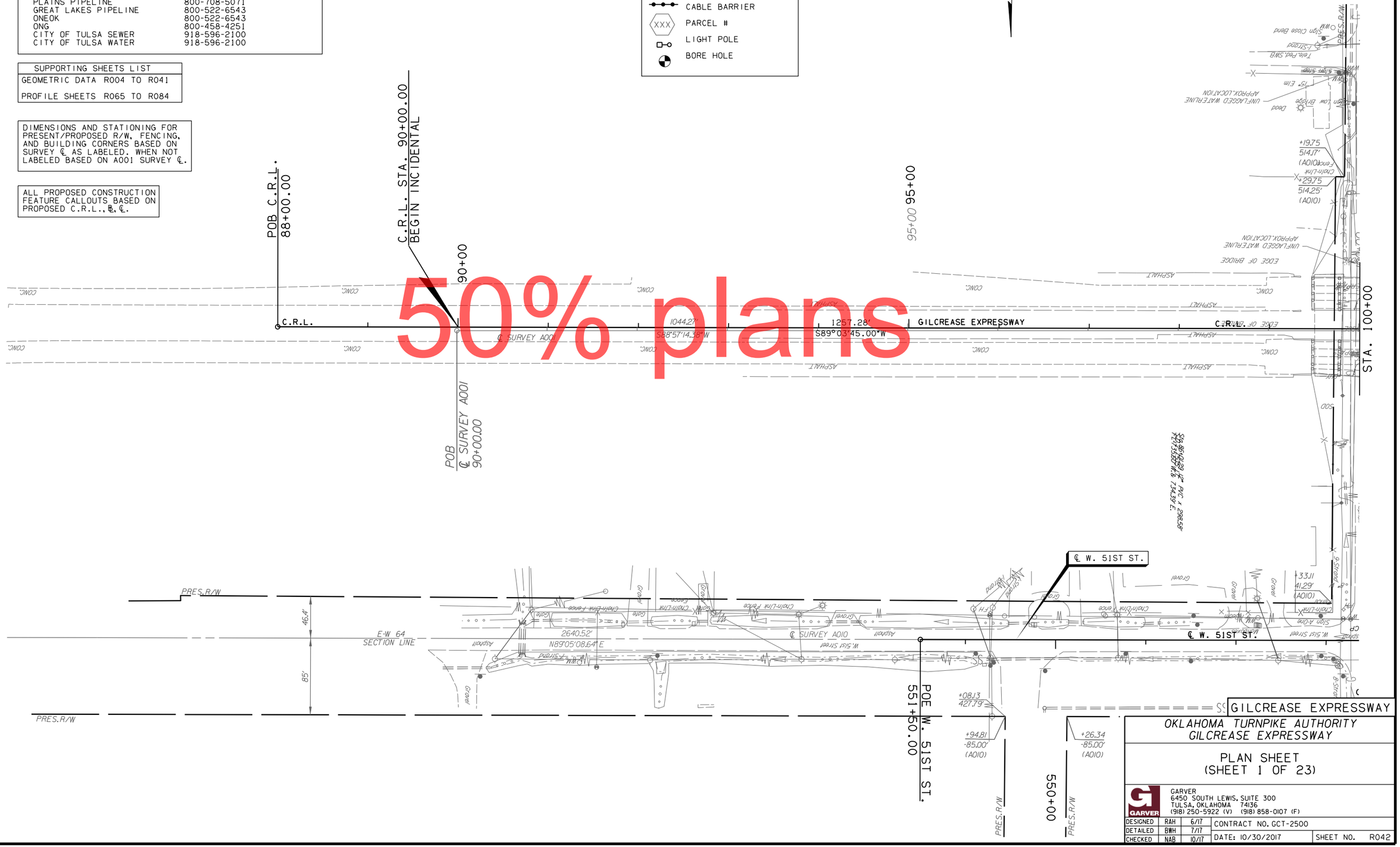
LEGEND

- PROPOSED PAVEMENT
- TRAIL
- DRAINAGE STRUCTURE
- CABLE BARRIER
- PARCEL #
- LIGHT POLE
- BORE HOLE

0 50 100 150
SCALE

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017



50% plans

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN SHEET
(SHEET 1 OF 23)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R042

SEC 32 T19N R12E

BM#25 SET #6 REBAR; STA. 112+25 107' RT. EL. 764.748'

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℞, ℄.

0 50 100 150
SCALE

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PROFILE SHEETS R065 TO R084

LEGEND
- PROPOSED PAVEMENT
- TRAIL
- XXX DRAINAGE STRUCTURE
- CABLE BARRIER
- XXX PARCEL #
- LIGHT POLE
- BORE HOLE

OKLAHOMA TURNPIKE AUTHORITY

SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

Sta. 505+37.88 ℄ –Wire Pwr. O.H. "X"ing Low Wire Elev.=755.68'

PC C.R.L. 100+57.28

C.R.L. STA. 103+30.00
END INCIDENTAL
BEGIN PROJECT

CONSTRUCT FENCE STYLE WWF FROM STA. 105+58.38 TO STA. 106+25.53 99 L.F. (A001)

CONSTRUCT FENCE STYLE WWF FROM STA. 106+41.22 TO STA. 106+84.09 99 L.F. (A001)

CONST. CABLE BARRIER STA. 105+15.00 TO STA. 117+25.00

CONST. CABLE BARRIER STA. 105+15.00 TO STA. 166+30.00

TOC/TOS (MAINLINE)

GILCREASE EXPRESSWAY

℞ RAMP A - W. 51ST ST.

℞ RAMP B - W. 51ST ST.

F-SHAPED PARAPET

RETAINING WALL

BRIDGE A

W. 51ST. ST.

℄ 51ST ST. FRONTAGE RD.

TOC/TOS (W.51ST)

STA. 545+15 LT CONSTRUCT 36' CONC. DRIVE

CONSTRUCT FENCE STYLE WWF FROM STA. 75+01.44 TO STA. 83+41.54 956 L.F. (A010)

STA. 543+25 LT CONSTRUCT 14' CONC. DRIVE W/14' GATE

STA. 541+65 LT CONSTRUCT 12' CONC. DRIVE W/12' GATE

STA. 544+60 LT CONSTRUCT 12' CONCRETE DRIVE

CONSTRUCT FENCE STYLE WWF FROM STA. 80+78.53 TO STA. 81+36.53 58 L.F. (A010)

CONSTRUCT FENCE STYLE WWF FROM STA. 77+15.71 TO STA. 80+41.85 134 L.F. (A010)

CONSTRUCT FENCE STYLE WWF FROM STA. 77+15.71 TO STA. 80+41.85 382 L.F. (A010)

TEMP. R/W TO CONST. DRIVE

CONSTRUCT FENCE STYLE WWF FROM STA. 110+78.58 TO STA. 129+51.48 1839 L.F. (A001)

STA. 13+00 RT CONSTRUCT 25' CONC. DRIVE

6-6'X4' RCB

STA. 115+00

SEC 29 T19N R12E

GILCREASE EXPRESSWAY

50% plans

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN SHEET
(SHEET 2 OF 23)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500
DETAILED	BWH	7/17	
CHECKED	NAB	10/17	DATE: 10/30/2017 — SHEET NO. R043

SEC 32 T19N R12E

SEC 29 T19N R12E

0 50 100 150
SCALE

LEGEND

- PROPOSED PAVEMENT
- TRAIL
- DRAINAGE STRUCTURE
- CABLE BARRIER
- PARCEL #
- LIGHT POLE
- BORE HOLE

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

BM#24 SET #6 REBAR; STA. 119+36 109'LT.
EL. 766.853'

BM#23 SET #6 REBAR; STA. 126+19 155'LT.
EL. 757.738'

CONSTRUCT FENCE STYLE WWF FROM STA. 62+55.06 TO STA. 65+75.74 321 L.F. (A010)

CONSTRUCT FENCE STYLE CLASS A 8' CLF FROM STA. 120+20.17 TO STA. 169+15.67 5,157 L.F. (MAINLINE)

CONSTRUCT FENCE STYLE WWF FROM STA. 120+25.74 TO STA. 129+50.00 1236 L.F. (A001)

℄ RAMP A - W. 51ST ST.

℄ RAMP B - W. 51ST ST.

℄ RAMP C - W. 51ST ST.

℄ RAMP D - W. 51ST ST.

℄ TRAIL

℄ 51ST ST. FRONTAGE RD.

W. 51ST. ST.

GILCREASE EXPRESSWAY

BRIDGE A
F-SHAPED PARAPET

CONST. CABLE BARRIER STA. 105+15.00 TO STA. 117+25.00

INSTALL IMPACT ATTENUATOR

CONST. CABLE BARRIER STA. 105+15.00 TO STA. 166+30.00

RASED CONC. ISLAND

TOC/TOS (RAMP D)

CONSTRUCT FENCE STYLE WWF FROM STA. 110+78.58 TO STA. 129+57.48 1,839 L.F. (A001)

TEMP. R/W TO CONST. SHOO-FLY 4

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℄, ℄.

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PROFILE SHEETS R065 TO R084

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.

STA. 115+00

STA. 130+00

C.R.L.

+41.21 502.34'

+74.46 380.00'

+75.74 100.00' (A010)

+76.00 20.76' (A010)

+75.69 77.76' (A010)

+85.48 90.73' (A010)

+68.82 234.39'

+40.88 239.87'

+57.95 221.42'

+50.00 157.61'

+67.62 175.51' (A001)

+51.41 139.52' (A001)

+07.53 261.77' (A001)

118+83.73 473.19' (A001)

125+09.12 450.00' (A001)

410 409 16 17 18 455 457 458 459 460 461 462 208 209 210 211 212

36" RCP 30" RCP 24" RCP

50% plans

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN SHEET
(SHEET 3 OF 23)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R044

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℞, ℄.

SEC 29 T19N R12E

BM#22 SET #6 REBAR; STA. 133+04 141' LT.
EL. 736.528'

BM#21 SET #6 REBAR; STA. 140+07 158' LT.
EL. 728.466'

0 50 100 150
SCALE

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

WWF
N-S 390.5
1/4 SECTION LINE
2644.87'
N0°48'31"W
UNFLAGGED GASLINE (APPROX)
KOCH PIPELINE
EXPLORER PIPELINE
135+00
PT C.R.L. 136+75.54
℄ SURVEY A001
136+86.11
140+00
+93.86
158.99'
CONSTRUCT FENCE
STYLE CLASS A 8' CLF
FROM STA. 120+20.17
TO STA. 169+15.67
5,157 L.F. (MAINLINE)
℞ TRAIL
℞ RAMP C - W. 51ST ST.
PRES.R/W
+03.64
170.23'
(A001)
5'X2' RCB
GILCREASE EXPRESSWAY
℄ SURVEY A001
1089'-36"
C.R.L.
STA. 130+00
STA. 145+00
C-1
213
214
215
216
217
218
219
220
BERM
ELEV.=736.16
℞ RAMP D - W. 51ST ST.
CHAIN LINK FENCE
+12.85
166.59'
(A001)
+86.23
139.65'
+45.16
177.50'
(A001)
+04.04
189.03'
(A001)
CONST. CABEL BARRIER
STA. 105+15.00 TO
STA. 166+30.00
+11.63
313.81'
(A001)
+31.00
308.23'
(A001)
+19.02
99.74'
(A001)
+28.77
114.03'
(A001)
E-W 635
1/4 SECTION LINE
BUILD.

50% plans

LEGEND

- PROPOSED PAVEMENT
- TRAIL
- XXX DRAINAGE STRUCTURE
- CABLE BARRIER
- XXX PARCEL #
- LIGHT POLE
- BORE HOLE

SUPPORTING SHEETS LIST	
GEOMETRIC DATA	R004 TO R041
PROFILE SHEETS	R065 TO R084

SEC 29 T19N R12E

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN SHEET
(SHEET 4 OF 23)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R045

BM#20 SET #6 REBAR; STA. 146+96 163' LT.
EL. 719.463'

BM#19 SET #6 REBAR; STA. 154+08 164' LT.
EL. 715.829'

SEC 29 T19N R12E

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℞, ℄.

SUPPORTING SHEETS LIST

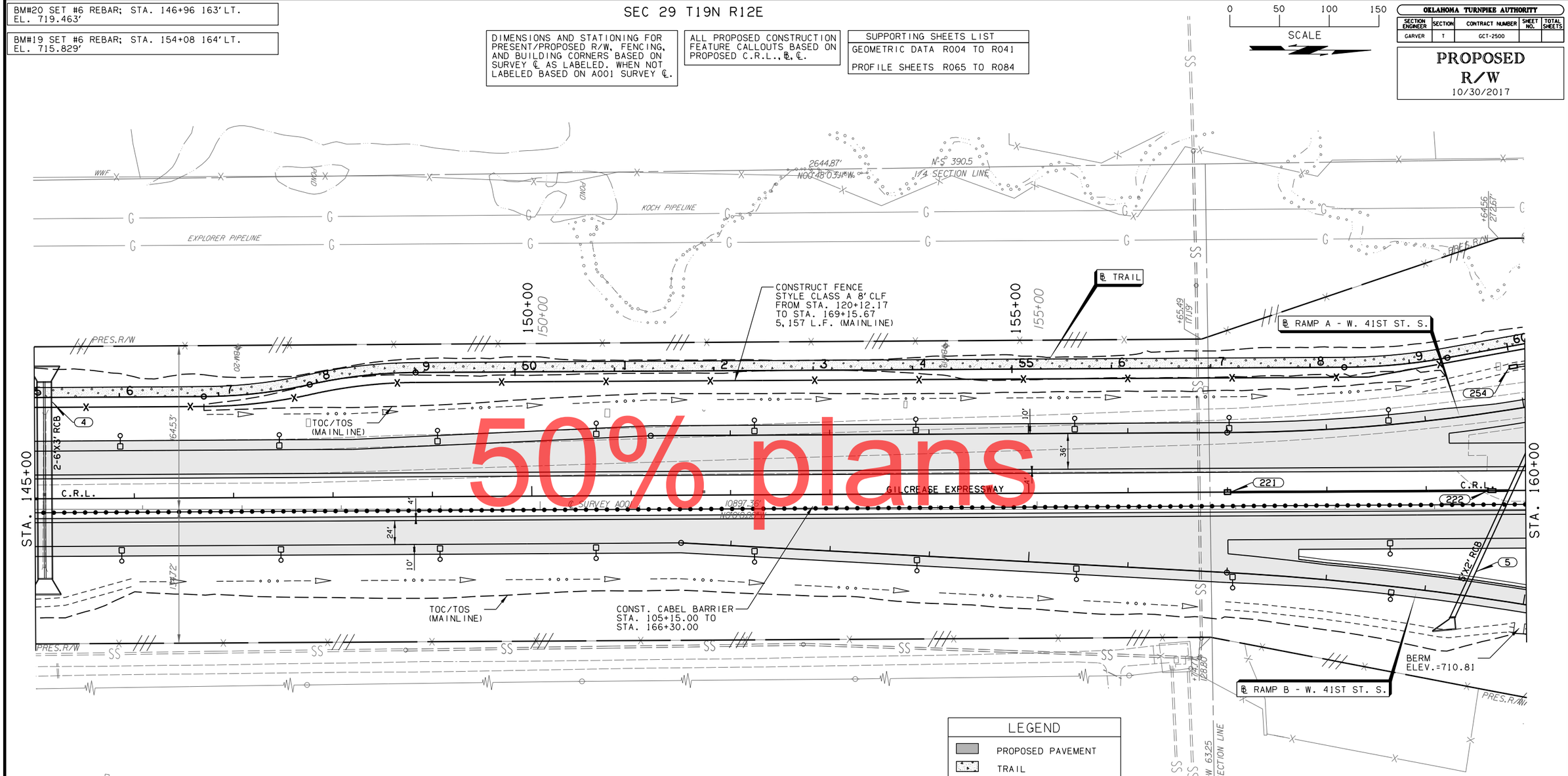
GEOMETRIC DATA	R004 TO R041
PROFILE SHEETS	R065 TO R084

0 50 100 150
SCALE

OKLAHOMA TURNPIKE AUTHORITY

SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017



50% plans

LEGEND

- PROPOSED PAVEMENT
- TRAIL
- XXX DRAINAGE STRUCTURE
- CABLE BARRIER
- XXX PARCEL #
- LIGHT POLE
- BORE HOLE

SEC 29 T19N R12E

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN SHEET
(SHEET 5 OF 23)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17
DETAILED	BWH	7/17
CHECKED	NAB	10/17

CONTRACT NO. GCT-2500
DATE: 10/30/2017
SHEET NO. R046

BM#18 SET #6 REBAR; STA. 161+07 213' LT.
EL. 708.183'

BM#17 SET #6 REBAR; STA. 168+56 275' LT.
EL. 705.659'

SEC 29 T19N R12E

SEC 20 T19N R12E

SCALE 0 50 100 150

OKLAHOMA TURNPIKE AUTHORITY

SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

50% plans

℄ RAMP A - W. 41ST ST. S.

℄ TRAIL

CONSTRUCT FENCE STYLE CLASS A 8' CLF FROM STA. 120+20.17 TO STA. 129+51.48 5,157 L.F. (MAINLINE)

℄ W. 41ST ST. S.

℄ S. 57TH W. AVE AT W. 41ST ST. S.

CONSTRUCT FENCE STYLE CLASS A 8' CLF FROM STA. 171+31.28 TO STA. 187+50.00 1,716 L.F. (MAINLINE)

TEMP. R/W TO CONST. DRIVE

STA. 165+53.30 TO STA. 168+68.27 INSTALL GUARDRAIL W/G.E.T.

STA. 171+44.93 TO STA. 174+59.41 INSTALL GUARDRAIL W/G.E.T.

CONST. CABEL BARRIER STA. 105+15.00 TO STA. 166+30.00

STA. 166+28.25 TO STA. 168+68.27 INSTALL GUARDRAIL W/G.E.T.

STA. 171+44.43 TO STA. 174+72.13 INSTALL GUARDRAIL W/G.E.T.

CONST. CABLE BARRIER STA. 173+90.00 TO STA. 195+51.00 2,110 L.F.

℄ RAMP B - W. 41ST ST. S.

℄ RAMP D - W. 41ST ST. S.

BRIDGE C

BRIDGE B

BRIDGE 'Y'

TOC/TOS (RAMP B)

TOC/TOS (RAMP D)

CONSTRUCT FENCE STYLE WWF FROM STA. 170+40.55 TO STA. 216+18.05 4,787 L.F. (A001)

CONSTRUCT FENCE STYLE WWF FROM STA. 21+96.91 TO STA. 24+00.86 204 L.F. (A009)

CONSTRUCT FENCE STYLE WWF FROM STA. 22+32.01 TO STA. 25+47.06 477 L.F. (A009)

STA. 417+40 LT CONSTRUCT 24' CONCRETE DRIVE W/24' GATE (℄ 41ST)

STA. 160+00 · STA. 165+00 · STA. 170+00 · STA. 175+00 · STA. 3175+00 · STA. 4175+00

PC C.R.L. 172+00.00

C.R.L.

LEGEND

- PROPOSED PAVEMENT
- TRAIL
- XXX DRAINAGE STRUCTURE
- CABLE BARRIER
- XXX PARCEL #
- LIGHT POLE
- BORE HOLE

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℄, ℄.

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PROFILE SHEETS R065 TO R084

SEC 29 T19N R12E

SEC 20 T19N R12E

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN SHEET
(SHEET 6 OF 23)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17
DETAILED	BWH	7/17
CHECKED	NAB	10/17

CONTRACT NO. GCT-2500

DATE: 10/30/2017

SHEET NO. R047

BM#18 SET #6 REBAR; STA. 189+38 438' LT.
EL. 694.184'

BM#17 SET #6 REBAR; STA. 182+40 427' LT.
EL. 692.753'

BM#16 SET #6 REBAR; STA. 175+67 413' LT.
EL. 698.496'

SEC 20 T19N R12E

TEMP. R/W FOR CHANNEL GRADING

GRADE TO DRAIN

GRADE TO DRAIN

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

0 50 100 150
SCALE

PRES.R/W

S.57W.AVE.

Sta. 15+46.32 72" CMP x 53.67'
S.D. ℄ 530.84' LT
FL=689.46' W. & 689.46' E.

1319.71'
N1°10.45"W

N-S 390.5
1/4 SECTION LINE

522

523

524

525

℄ S. 57TH W. AVE AT W. 41ST ST. S.

℄ TRAIL

℄ RAMP C - W. 41ST ST. S.

CONSTRUCT FENCE STYLE CLASS A 8' CLF FROM STA. 171+31.28 TO STA. 187+50.00 1,716 L.F. (MAINLINE)

PROPOSED BERRYHILL TRIBUTARY COMPENSATORY STORAGE

POND

TOC/TOS (S.57TH)

180+00

PI C.R.L. 176+50.96

PRC C.R.L. 181+01.79

185+00

TOC/TOS (MAINLINE)

MH-200

48" RCP

6

CONST. CABLE BARRIER STA. 173+90.00 TO STA. 195+51.00 2,110 L.F.

PT C.R.L. 188+74.47

STA. 175+00

C.R.L.

C-2

224

225

MH-201

226

C-3

C.R.L.

STA. 190+00

24'

4'

10'

16' SURVEY A001

W 39TH ST

PRES.R/W

℄ RAMP D - W. 41ST ST. S.

TOC/TOS (RAMP D)

PI C.R.L. 184+88.17

DITCH BERM

SWALE DITCH

+30.10 254.94'

+90.09 253.86'

+89.64 243.10'

+19.67 245.00'

+00.00 243.45'

+50.00 375.00'

R/W

S 55TH W AVE

+31.00 314.93'

+90.98 313.85'

+90.52 303.10'

132.28'
S89°11'.33"W

E-W 6275
1/16 SECTION LINE

CONSTRUCT FENCE STYLE WWF FROM STA. 170+40.35 TO STA. 216+18.05 4,787 L.F. (A001)

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℄, ℄.

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PROFILE SHEETS R065 TO R084

LEGEND

- PROPOSED PAVEMENT
- TRAIL
- XXX DRAINAGE STRUCTURE
- CABLE BARRIER
- XXX PARCEL #
- LIGHT POLE
- BORE HOLE

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN SHEET
(SHEET 7 OF 23)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R048

50% plans

SEC 20 T19N R12E

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PROFILE SHEETS R065 TO R084

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℄, ℄.

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.

LEGEND
- PROPOSED PAVEMENT
- TRAIL
- XXX DRAINAGE STRUCTURE
- CABLE BARRIER
- XXX PARCEL #
- LIGHT POLE
- BORE HOLE

0 50 100 150
SCALE

OKLAHOMA TURNPIKE AUTHORITY

SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

BM#13 SET #6 REBAR; STA. 196+33 374' LT.
EL. 693.845'

BM#12 SET #6 REBAR; STA. 203+60 382' LT.
EL. 684.061'

50% plans

TEMP. R/W FOR CHANNEL GRADING
+00.00 510.00' (A001)
+00.00 443.57' (A001)
+28.44 510.00' (A001)
PRES.R/W
S.57th W. Ave
℄ TRAIL
℄ RAMP C - W. 41ST ST. S.
TOC/TOS (RAMP C)
GRADE TO DRAIN
+30.23 382.99'
+32.99 190.00'
CONSTRUCT FENCE STYLE CLASS A 8' CLF FROM STA. 189+29.10 TO STA. 221+76.67 3,546 L.F. (MAINLINE)
+87.31 306.02' (A001)
+16.62 244.15' (A001)
+22.64 210.00'
+22.92 190.00'
CONSTRUCT FENCE STYLE WWF FROM STA. 196+30.34 TO STA. 207+98.42 1,403 L.F. (A001)
+01.06 263.39' (A001)
+47.66 210.00'
+47.94 190.00'
+75.00 398.03'
+75.27 378.03'
+77.78 190.00'
+77.78 190.00'
R/W
195+00
200+00
CONST. CABLE BARRIER STA. 173+90.00 TO STA. 195+51.00 2,110 L.F.
42" RCP
CABLE BARRIER
C.R.L.
℄ SURVEY A001
GILCREASE EXPRESSWAY
227
228
STA. 190+00
STA. 205+00
℄ RAMP D - W. 41ST ST. S.
FLUME
DITCH SWALE
DITCH BERM
BERM ELEV. 712.25'
CONSTRUCT CABLE BARRIER FROM STA. 195+01.17 TO STA. 219+43.55 2,442.38 L.F.
+37.95 165.00'
+52.95 165.00'
TOC/TOS (MAINLINE)
+39.14 248.89'
+54.00 239.69'
+83.43 233.81'
+50.00 246.28'
CONSTRUCT FENCE STYLE WWF FROM STA. 170+40.55 TO STA. 216+18.05 4,787 L.F. (A001)
N89°11'32"E 2647.8' E-W 1/4 SECTION LINE
SEC 20 T19N R12E

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN SHEET
(SHEET 8 OF 23)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17
DETAILED	BWH	7/17
CHECKED	NAB	10/17

CONTRACT NO. GCT-2500
DATE: 10/30/2017
SHEET NO. R049

SEC 20 T19N R12E

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

0 50 100 150
SCALE

50% plans

CONSTRUCT FENCE STYLE WWF FROM STA. 196+30.34 TO STA. 207+98.42 1,403 L.F. (A001)

TEMP. R/W FOR CHANNEL GRADING

CONSTRUCT FENCE STYLE WWF FROM STA. 208+18.22 TO STA. 222+46.96 1,491 L.F. (A001)

℄ TRAIL

TOC/TOS (TRAIL)

CONSTRUCT FENCE STYLE WWF FROM STA. 189+29.10 TO STA. 221+76.67 3,546 L.F. (MAINLINE)

BRIDGE 'AA' 2-(12'x10')

CONSTRUCT CABLE BARRIER FROM STA. 195+01.17 TO STA. 219+43.55 2,442.38 L.F.

TOC/TOS (MAINLINE)

CONSTRUCT FENCE STYLE WWF FROM STA. 120+40.55 TO STA. 216+18.05 4,787 L.F. (A001)

STA. 218+61.76 TO STA. 221+76.67 INSTALL GUARDRAIL W/G.E.T.

STA. 219+36.65 TO STA. 221+76.67 INSTALL GUARDRAIL W/G.E.T.

S 57th W AVE

GILCREASE EXPRESSWAY

E-W 62.25 1/16 SECTION LINE

1323.72' S89°14'89.34"W

LEGEND

- PROPOSED PAVEMENT
- TRAIL
- DRAINAGE STRUCTURE
- CABLE BARRIER
- PARCEL #
- LIGHT POLE
- BORE HOLE

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℄, ℄.

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PROFILE SHEETS R065 TO R084

BM#11 SET #6 REBAR; STA. 210+68 394' LT. EL. 676.468'

BM#10 SET #6 REBAR; STA. 217+88 416' LT. EL. 670.705'

SEC 20 T19N R12E

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN SHEET
(SHEET 9 OF 23)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500
DETAILED	BWH	7/17	
CHECKED	NAB	10/17	DATE: 10/30/2017 SHEET NO. R050

SEC 17 T19N R12E

BM#9 BRASS CAP SET IN HEADWALL STA. 224+84 498' LT. EL. 668.187'

BM#8 CHISELED BOX SET ON BRIDGE RAILING STA. 231+84 495' LT EL. 670.778'

SCALE 0 50 100 150

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SEC 20 T19N R12E

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PROFILE SHEETS R065 TO R084

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℬ, ℄.

LEGEND
- PROPOSED PAVEMENT
- TRAIL
- XXX DRAINAGE STRUCTURE
- CABLE BARRIER
- XXX PARCEL #
- LIGHT POLE
- BORE HOLE

℄ BERRYHILL CREEK REALIGNMENT

℄ TRAIL

CONSTRUCT FENCE STYLE WWF FROM STA. 208+18.22 TO STA. 222+46.96 1,491 L.F. (A001)

CONSTRUCT FENCE STYLE WWF FROM STA. 22+96.47 TO STA. 231+94.49 1,208 L.F. (A001)

CONSTRUCT FENCE STYLE CLASS A 8' CLF FROM STA. 187+29.10 TO STA. 221+76.67 3,546 L.F. (MAINLINE)

RETAINING WALL

CONSTRUCT FENCE STYLE CLASS A 8' CLF FROM STA. 223+84.63 TO STA. 232+82.04 1,036 L.F. (A001)

STA. 218+51.77 TO STA. 221+66.67 INSTALL GUARDRAIL W/G.E.T.

STA. 224+03.37 TO STA. 226+33.35 INSTALL GUARDRAIL W/G.E.T.

STA. 219+26.65 TO STA. 221+66.67 INSTALL GUARDRAIL W/G.E.T.

STA. 224+03.37 TO STA. 227+08.24 INSTALL GUARDRAIL W/G.E.T.

CONSTRUCT CABLE BARRIER FROM STA. 195+01.17 TO STA. 219+43.55 2,442.38 L.F.

STA. 229+75.84 TO STA. 232+90.74 INSTALL GUARDRAIL W/G.E.T.

STA. 230+50.73 TO STA. 232+90.74 INSTALL GUARDRAIL W/G.E.T.

2-(6'X4) RCB

BRIDGE D

BRIDGE E

BRIDGE F

BRIDGE G

GILCREASE EXPRESSWAY

BERRYHILL CREEK

TOC/TOS (TRAIL)

TRAIL STA. 136+04.64 LOW WATER CROSSING

30' CHANNEL BOTTOM

TOC/TOS (MAINLINE)

CONSTRUCT FENCE STYLE WWF FROM STA. 24+11.95 TO STA. 25+64.52 156 L.F. (A008)

CONSTRUCT FENCE STYLE WWF FROM STA. 24+09.03 TO STA. 26+97.80 287 L.F. (A008)

CONSTRUCT FENCE STYLE WWF FROM STA. 223+04.38 TO STA. 241+00.00 2,055 L.F. (A001)

S.54th W. Ave.

S.57TH W.AVE

SEC 17 T19N R12E

SEC 20 T19N R12E

50% plans

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN SHEET
(SHEET 10 OF 23)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500
DETAILED	BWH	7/17	
CHECKED	NAB	10/17	DATE: 10/30/2017 SHEET NO. R051

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SEC 17 T19N R12E

BM#7 SET #6 REBAR; STA. 240+09 535' LT.
EL. 659.308'

BM#6 SET #6 REBAR; STA. 247+23 549' LT.
EL. 661.612'

0 50 100 150
SCALE

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℄, ℄.

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PROFILE SHEETS R065 TO R084

LEGEND
- PROPOSED PAVEMENT
- TRAIL
- XXX DRAINAGE STRUCTURE
- CABLE BARRIER
- XXX PARCEL #
- LIGHT POLE
- BORE HOLE

50% plans

PRES.R/W
50.29'
30'
TUG
S.57TH W.AVE
BWH7
BWH6
TOC/TOS (TRAIL)
℄ TRAIL
℄ BERRYHILL CREEK REALIGNMENT
TOC/TOS BERRYHILL CREEK REALIGNMENT
5+00
PI BERRYHILL CREEK 6+76.83
+28.29 348.52'
+57.73 352.00'
+92.77 353.31'
+24.77 352.14'
PRES.R/W
PLAINS PIPELINE - 8"
26th ST S
PC C.R.L. 236+01.57
30' CHANNEL BOTTOM
240+00
245+00
BRIDGE G
BRIDGE F
C.R.L.
C-4
℄ SURVEY A001
GILCREASE EXPRESSWAY
47'
10+00
+63.62 47.97'
+05.55 47.44'
PC ℄ SURVEY A001 245+83.47
TOC/TOS (MAINLINE)
STA. 250+00
STA. 235+00
TOC/TOS BERRYHILL CREEK REALIGNMENT
PI BERRYHILL CREEK 9+52.96
+33.09 200.70'
R/W
CONSTRUCT FENCE STYLE WWF FROM STA. 223+04.38 TO STA. 241+00.00 2,055 L.F. (A001)
+75.00 195.00'
CONSTRUCT FENCE STYLE WWF FROM STA. 243+75.00 TO STA. 248+37.02 518 L.F. (A001)
BERRYHILL CREEK
MATCH LINE SEE SHEET R053
1323.97 N89°19'18.3"E
E.W. 6175 1/16 SECTION LINE
+35.44 412.56'

SEC 17 T19N R12E

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN SHEET
(SHEET 11 OF 23)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R052

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

0 50 100 150
SCALE

MATCH LINE SEE SHEET R052

MATCH LINE SEE SHEET R052

MATCH LINE SEE SHEET R054

PRES.R/W

TOC/TOS (MAINLINE)

+00.00
315.00'
(A001)

R/W

CONSTRUCT FENCE STYLE WWF FROM STA. 243+75.00 TO STA. 248+37.02 518 L.F. (A001)

+32.34
510.00'
(A001)

PROPOSED BERRYHILL COMPENSATORY

50% plans

BERRYHILL CREEK

PRES.R/W CORNER 88.92' FROM C.R.L.

PRES.R/W

+18.49
827.98'
(A001)

PRES.R/W

SEC 17 T19N R12E

CONSTRUCT FENCE STYLE WWF FROM STA. 249+05.57 TO STA. 273+77.60 3,121 L.F. (A001)

PRES.R/W CORNER 1040.58' FROM C.R.L.

PRES.R/W

+34.32
1001.89'
(A001)

R/W

LEGEND	
	PROPOSED PAVEMENT
	TRAIL
XXX	DRAINAGE STRUCTURE
	CABLE BARRIER
XXX	PARCEL #
	LIGHT POLE
	BORE HOLE

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PROFILE SHEETS R065 TO R084

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℄, ℄.

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN SHEET
(SHEET 12 OF 23)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R053

50% plans

OKLAHOMA TURNPIKE AUTHORITY

SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W

10/30/2017

SEC 17 T19N R12E

SCALE 0 50 100 150

S 57th W AVE

NS 390.5 1/4 SECTION LINE

2643.22 S1°00'58.72" E

W 25th ST

W 24th ST

(AOOI) PRES.R/W

PRES.R/W

℄ TRAIL STA. 155+47.16= ℄ TRAIL STA. 199+54.68

℄ TRAIL

TOC/TOS (TRAIL)

STA. 251+33.87 TO STA. 253+74.90 INSTALL GUARDRAIL W/G.E.T.

CONSTRUCT FENCE STYLE CLASS A 8' CLF FROM STA. 251+30.75 TO STA. 272+09.17 2,219 L.F. (MAINLINE)

255+00

260+00

℄ SURVEY AOOI PT 258+98.47

BRIDGE G

BRIDGE F

C.R.L.

STA. 250+00

STA. 265+00

GILCREASE EXPRESSWAY

C-4

235

236

STA. 251+33.87 TO STA. 254+49.14 INSTALL GUARDRAIL W/G.E.T.

CONSTRUCT CABLE BARRIER STA. 253+69.00 TO STA. 274+75.25 2,106.25 L.F.

PI C.R.L. 252+52.58

℄ SURVEY AOOI 252+43.87

TOC/TOS (MAINLINE)

℄ RAMP B - W. 21ST ST. S.

TOC/TOS (RAMP B)

STA. 226+50

PRES.R/W CORNER +34,321,040.58' X+0.00

FIBER OPTIC TAG

MATCH LINE SEE SHEET R054

LEGEND

- PROPOSED PAVEMENT
- TRAIL
- XXX DRAINAGE STRUCTURE
- CABLE BARRIER
- XXX PARCEL #
- LIGHT POLE
- BORE HOLE

SUPPORTING SHEETS LIST	
GEOMETRIC DATA	R004 TO R041
PROFILE SHEETS	R065 TO R084

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℄, ℄.

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON AOOI SURVEY ℄.

BM#5 SET #6 REBAR; STA. 254+75 415' LT. EL. 661.986'

BM#4 SET #6 REBAR; STA. 261+80 288' LT. EL. 664.354'

SEC 17 T19N R12E

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN SHEET
(SHEET 13 OF 23)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R054

50% plans

OKLAHOMA TURNPIKE AUTHORITY

SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SEC 17 T19N R12E

SEC 8 T19N R12E

℄ TRAIL

CONSTRUCT FENCE STYLE WWF FROM STA. 251+30.25 TO STA. 272+09.17 2,219 L.F. (MAINLINE)

CONSTRUCT FENCE STYLE WWF FROM STA. 272+25.62 TO STA. 276+16.27 558 L.F. (A001)

S. 57TH W. AVE AT W. 21ST ST. S.

S 57th W AVE

TOC/TOS (S. 57TH W. AVE)

PC C.R.L. 274+27.89

STA. 277+65.07 TO STA. 279+28.22 INSTALL GUARDRAIL W/G.E.T.

STA. 277+65.07 TO STA. 280+17.38 INSTALL GUARDRAIL W/G.E.T.

TOC/TOS (RAMP A)

℄ RAMP A - W. 21ST ST. S

BRIDGE I

RETAINING WALL

STA. 265+00

STA. 280+00

C.R.L.

GILCREASE EXPRESSWAY

BRIDGE H

CONSTRUCT CABLE BARRIER STA. 253+69.00 TO STA. 274+75.25 2,106.25 L.F.

TOC/TOS (MAINLINE)

STA. 271+41.76 TO STA. 274+56.68 INSTALL GUARDRAIL W/G.E.T.

STA. 273+16.51 TO STA. 274+56.68 INSTALL GUARDRAIL W/G.E.T.

STA. 278+72.66 TO STA. 281+00.37 INSTALL GUARDRAIL W/G.E.T.

STA. 279+59.65 TO STA. 281+00.37 INSTALL GUARDRAIL W/G.E.T.

CONSTRUCT FENCE STYLE WWF FROM STA. 24+45.48 TO STA. 28+46.67 431 L.F. (A002)

℄ RAMP B - W. 21ST ST. S.

TOC/TOS (RAMP B)

℄ RAMP C - W. 21ST ST. S.

BERRYHILL CREEK

CONSTRUCT FENCE STYLE WWF FROM STA. 25+01.21 TO STA. 30+75.00 602 L.F. (A002)

CONSTRUCT FENCE STYLE WWF FROM STA. 275+83.97 TO STA. 281+71.53 575 L.F. (A001)

MATCHLINE S. 21 ST R119 B-C21-ST

TUG

LEGEND

- PROPOSED PAVEMENT
- TRAIL
- DRAINAGE STRUCTURE
- CABLE BARRIER
- PARCEL #
- LIGHT POLE
- BORE HOLE

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℄.

BM#3 SET #6 REBAR; STA. 269+62 214' LT. EL. 660.673'

ADS#118 FOUND 5/8" REBAR WITH 1-1/2" ALUM. CAP STA. 276+97 195' LT EL. 649.122'

SUPPORTING SHEETS LIST

GEOMETRIC DATA	R004 TO R041
PROFILE SHEETS	R065 TO R084

0 50 100 150
SCALE

SEC 17 T19N R12E

SEC 8 T19N R12E

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN SHEET
(SHEET 14 OF 23)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R055

50% plans

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

BM#1 SET #6 REBAR; STA. 289+88.08 297.43' LT. EL. 646.72'

BM#2 SET #6 REBAR; STA. 282+07.30 295.27' LT. EL. 644.592'

0 50 100 150
SCALE

LEGEND
- PROPOSED PAVEMENT
- TRAIL
- XXX DRAINAGE STRUCTURE
- CABLE BARRIER
- XXX PARCEL #
- LIGHT POLE
- BORE HOLE

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℞, ℄.

MATCHLINE STA. 4280+00

℞ RAMP A - W. 21ST ST S.

℞ RAMP D - W. 21ST ST S.

℞ TRAIL

BRIDGE K

BRIDGE L

BRIDGE M

BRIDGE N

BRIDGE J

GILCREASE, EXPRESSWAY

℄ SURVEY A001

C.R.L.

PRES.R/W

R/R PRES.R/W

ARKANSAS RIVER

SEC 8 T19N R12E

N-S390.5
1/4 SECTION LINE

1320.21' S89°29'07.92"W

1326.07' S89°29'07.92"W

1325.54' S0°01'32.04"E

STA. 280+00

STA. 285+00

290+00

STA. 295+00

CONSTRUCT FENCE STYLE WWF FROM STA. 284+51.45 TO STA. 289+79.36 609 L.F. (A001)

CONSTRUCT FENCE STYLE WWF FROM STA. 281+73.53 TO STA. 283+46.05 974 L.F. (A001)

CONSTRUCT FENCE STYLE WWF FROM STA. 283+09.22 TO STA. 284+51.45 829 L.F. (A001)

CONSTRUCT FENCE STYLE WWF FROM STA. 283+04.22 TO STA. 283+32.71 628 L.F. (A001)

CONSTRUCT FENCE STYLE WWF FROM STA. 275+83.97 TO STA. 281+71.53 575 L.F. (A001)

STA. 277+65.07 TO STA. 280+17.38 INSTALL GUARDRAIL W/G.E.T.

STA. 278+72.66 TO STA. 281+00.37 INSTALL GUARDRAIL W/G.E.T.

STA. 279+59.65 TO STA. 281+00.37 INSTALL GUARDRAIL W/G.E.T.

STA. 284+90.64 TO STA. 285+96.64 INSTALL GUARDRAIL W/G.E.T.

STA. 284+90.64 TO STA. 287+60.05 INSTALL GUARDRAIL W/G.E.T.

STA. 284+96.64 TO STA. 287+48.94 INSTALL GUARDRAIL W/G.E.T.

STA. 286+52.64 TO STA. 288+80.35 INSTALL GUARDRAIL W/G.E.T.

STA. 287+02.20 TO STA. 288+80.35 INSTALL GUARDRAIL W/G.E.T.

TOC/TOS MAINLINE

24" RCP

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PROFILE SHEETS R065 TO R084

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN SHEET
(SHEET 15 OF 23)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R056

LEGEND

- PROPOSED PAVEMENT
- TRAIL
- XXX DRAINAGE STRUCTURE
- CABLE BARRIER
- XXX PARCEL #
- LIGHT POLE
- BORE HOLE

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℞, ℄.

SUPPORTING SHEETS LIST

GEOMETRIC DATA R004 TO R041

PROFILE SHEETS R065 TO R084

BM#1-N SET #6 REBAR; STA. 309+18.42 263.84' RT. EL. 640.085'

0 50 100 150 SCALE

OKLAHOMA TURNPIKE AUTHORITY

SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SEC 8 T19N R12E

CONSTRUCT FENCE STYLE WWF STA. 306+09.74 TO STA. 329+04.96 2,760 L.F. (A001)

ARKANSAS RIVER

ONE OK

E-W60.5 1/4 SECTION LINE

300+00 300+00

305+00 305+00

+88.82 233.83'

1326.88' N89°30'52.58"E Fence Line

+86.07 103.72'

PRES.R/W

BRIDGE N

BRIDGE M

255

265

C-5

44'

GILCREASE EXPRESSWAY

℄ SURVEY A001

C.R.L.

STA. 295+00

STA. 310+00

PT C.R.L. 306+11.42

TRAIL

8'X4' RCB

+09.54 233.60'

+61.35 236.28'

+11.35 236.81'

PRES.R/W

TOC/TOS (MAINLINE)

STA. 306+22.44 TO STA. 308+62.46 INSTALL GUARDRAIL W/G.E.T.

CONSTRUCT FENCE STYLE CLASS A 8' CLF STA. 306+22.44 TO STA. 327+70.17 2150 L.F.

+82.46

+52.46

24'

+62.54

+73.7

+50.33

STA. 306+22.44 TO STA. 309+37.33 INSTALL GUARDRAIL W/G.E.T.

CONSTRUCT CABLE BARRIER STA. 308+57.27 TO STA. 316+98.77 841.50 L.F.

11

+92.08 95.24'

PT GILCREASE SURVEY 306+11.42

+30.26 201.14'

+16.67 213.53'

+16.36 184.69'

CONSTRUCT FENCE STYLE WWF STA. 306+30.21 TO STA. 329+00.00 2,735 L.F. (A001)

1325.54' Fence Line S0°01'32.04"E

N-S390.5 1/4 SECTION LINE

+16.71 265.27'

S 57th W AVE

+47.20 327.71' (A001)

SEC 8 T19N R12E

50% plans

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN SHEET
(SHEET 16 OF 23)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17	DATE: 10/30/2017	SHEET NO. R057
CHECKED	NAB	10/17		

LEGEND

- PROPOSED PAVEMENT
- TRAIL
- XXX — DRAINAGE STRUCTURE
- CABLE BARRIER
- XXX — PARCEL #
- LIGHT POLE
- BORE HOLE

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PROFILE SHEETS R065 TO R084

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℞, ℄.

BM#2-N SET #6 REBAR; STA. 316+47.09 255.61' RT. EL. 639.774'

BM#3-N SET #6 REBAR; STA. 323+13.13 245.62' RT. EL. 634.068'

0 50 100 150
SCALE

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SEC 8 T19N R12E

MATCH LINE
SEE SHEET R059

CONSTRUCT FENCE
STYLE WWF
STA. 306+09.74 TO
STA. 329+04.96
2,760 L.F. (A001)

TOC/TOS (MAINLINE)

TOC/TOS (TRAIL)

TOC/TOS (MAINLINE)

℞ TRAIL

CONSTRUCT FENCE
STYLE CLASS A 8' CLF
STA. 306+22.44 TO
STA. 327+70.17
2,150 L.F.
(MAINLINE)

CONSTRUCT CABLE BARRIER
STA. 308+57.27 TO
STA. 316+98.77
841.50 L.F.

CONSTRUCT CABLE BARRIER
STA. 316+98.77 TO
STA. 325+31.77
833 L.F.

CONSTRUCT FENCE
STYLE WWF FROM
STA. 306+30.21 TO
STA. 329+00.00
3,452 L.F. (A001)

24" RCP

12'X6' RCB

GILCREASE EXPRESSWAY

SOUTH 58TH WEST AVENUE

S.57TH W.AVE

CONCRETE CHANNEL

WEST 10TH STREET SOUTH

1/16 SECTION LINE

1325.54' ONG - 3" @ S90.5
S0°01'32.04"E 1/4 SECTION LINE

N89°32'37.11"E 1327.69'

E-W60.25

STA. 310+00

STA. 315+00

STA. 320+00

STA. 325+00

C.R.L.

℄ SURVEY A001

MATCH LINE
SEE SHEET R060

50% plans

SEC 8 T19N R12E

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN SHEET
(SHEET 17 OF 23)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R058

LEGEND
PROPOSED PAVEMENT
TRAIL
DRAINAGE STRUCTURE
CABLE BARRIER
PARCEL #
LIGHT POLE
BORE HOLE

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.

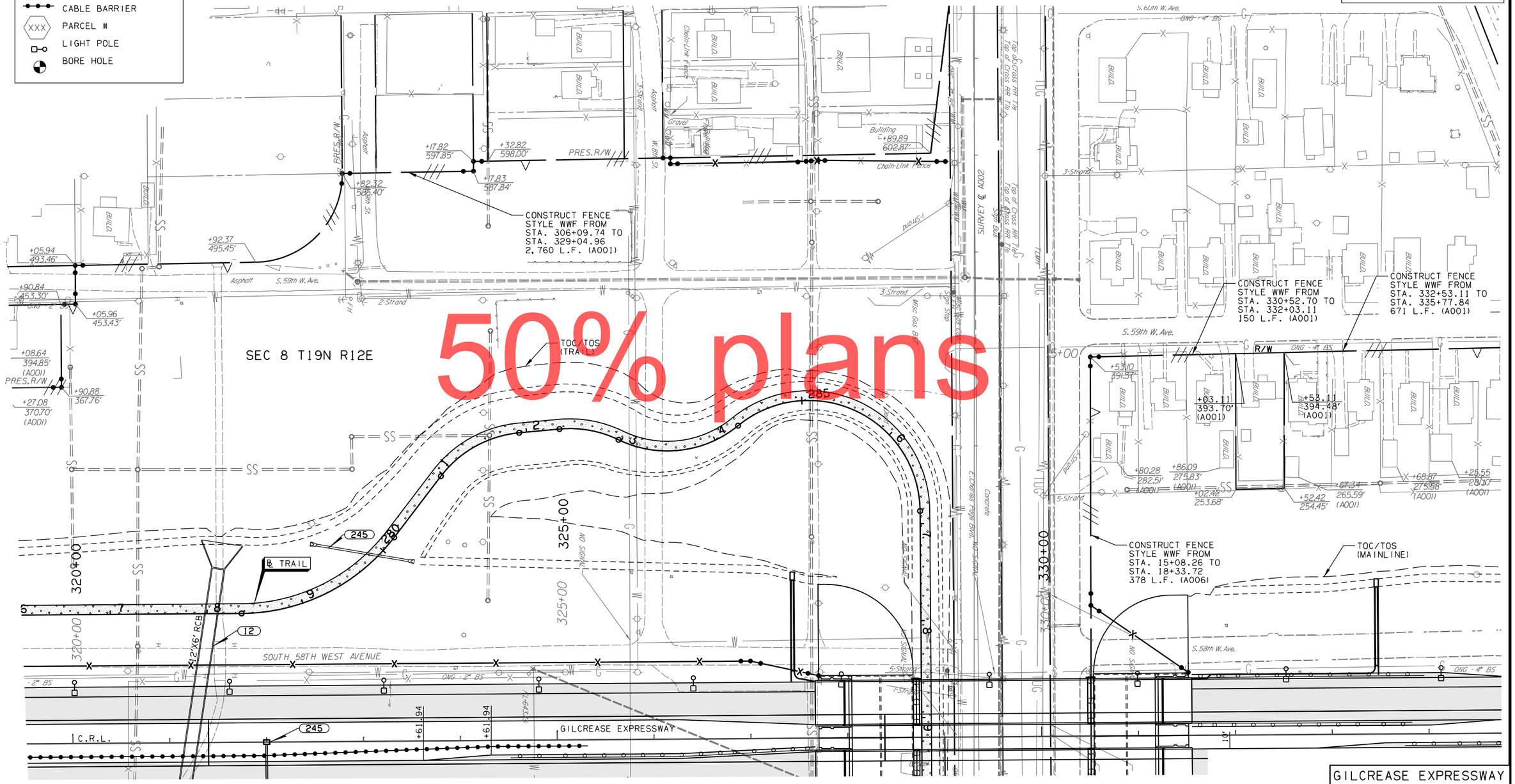
ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℄.

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PROFILE SHEETS R065 TO R084

0 50 100 150
SCALE

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017



50% plans

MATCH LINE
SEE SHEET R058

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN SHEET
(SHEET 18 OF 23)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500		
DETAILED	BWH	7/17			
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO.	R059

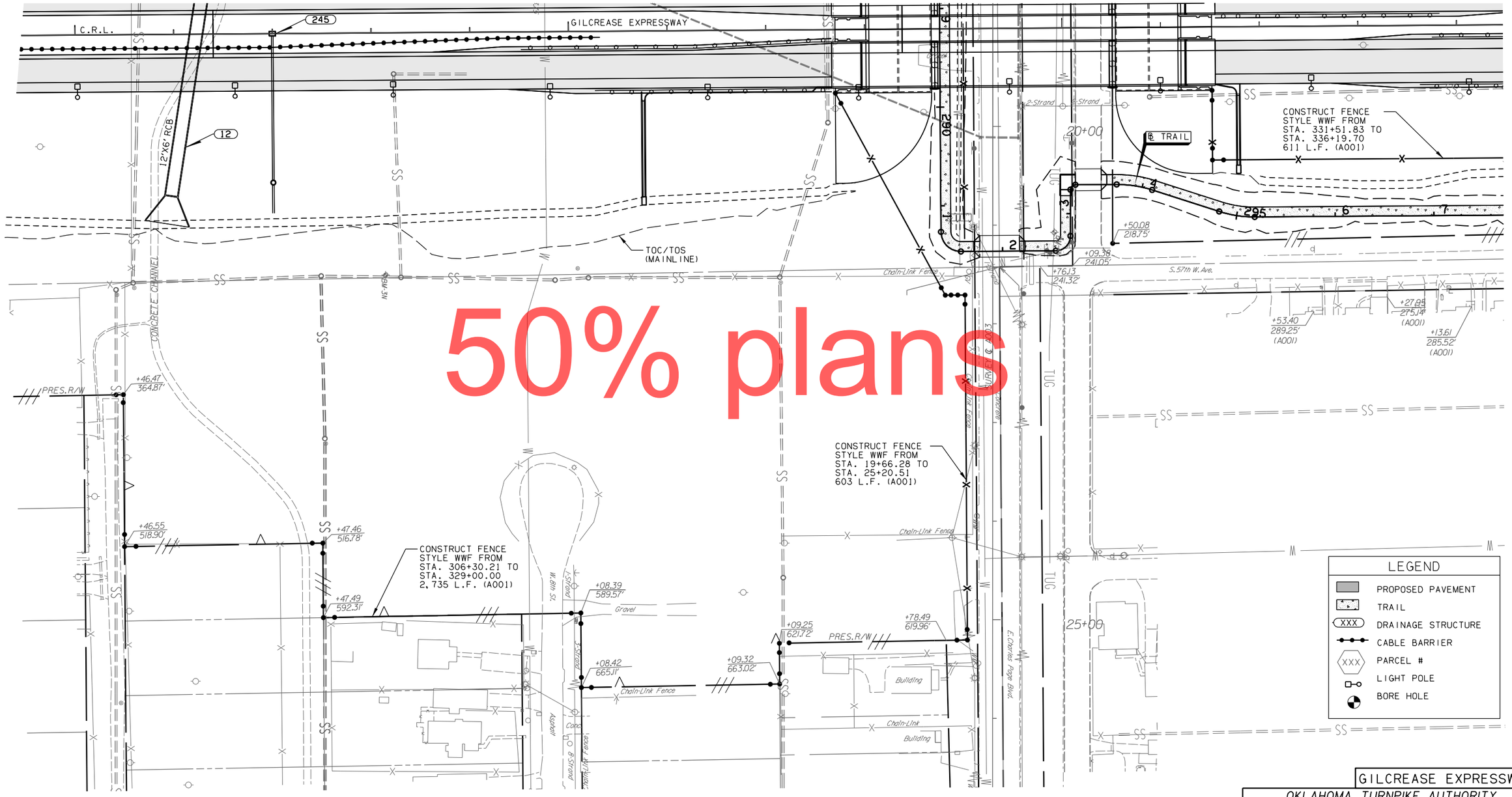
SEC 8 T19N R12E

MATCH LINE
SEE SHEET R058

0 50 100 150
SCALE

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017



50% plans

LEGEND
- PROPOSED PAVEMENT
- TRAIL
- XXX DRAINAGE STRUCTURE
- CABLE BARRIER
- XXX PARCEL #
- LIGHT POLE
- BORE HOLE

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℬ, ℄.

SUPPORTING SHEETS LIST	
GEOMETRIC DATA	R004 TO R041
PROFILE SHEETS	R065 TO R084

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN SHEET
(SHEET 19 OF 23)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R060

OKLAHOMA TURNPIKE AUTHORITY

SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

0 50 100 150
SCALE

CONSTRUCT FENCE STYLE WWF STA. 306+09.74 TO STA. 329+05.02 3,029 L.F. (A001)

MATCH LINE SEE SHEET R059

SEC 8 T19N R12E

SEC 5 T19N R12E

CONSTRUCT FENCE STYLE WWF STA. 330+52.70 TO STA. 332+03.11 150 L.F. (A001)

CONSTRUCT FENCE STYLE WWF STA. 332+53.11 TO STA. 335+77.84 671 L.F. (A001)

CONSTRUCT FENCE STYLE WWF STA. 338+57.77 TO STA. 349+47.55 1,133 L.F. (A001)

TOC/TOS (TRAIL)

TOC/TOS (MAINLINE)

CONSTRUCT FENCE STYLE CLASS A 8' CLF STA. 306+22.44 TO STA. 327+70.17 2,150 L.F. (A001)

CONSTRUCT FENCE STYLE WWF STA. 15+08.26 TO STA. 18+33.72 378 L.F. (A001)

STA. 331+54.73 TO STA. 333+95.35 INSTALL GUARDRAIL W/G.E.T.

STA. 331+54.73 TO STA. 333+82.85 INSTALL GUARDRAIL W/G.E.T.

STA. 333+75.03 TO STA. 336+02.55 INSTALL GUARDRAIL W/G.E.T.

STA. 338+75.14 TO STA. 338+75.14 INSTALL GUARDRAIL W/G.E.T.

STA. 338+75.14 TO STA. 341+89.82 INSTALL GUARDRAIL W/G.E.T.

STA. 324+51.77 TO STA. 327++66.67 INSTALL GUARDRAIL W/G.E.T.

STA. 325+26.65 TO STA. 327+66.67 INSTALL GUARDRAIL W/G.E.T.

STA. 333+62.53 TO STA. 336+02.55 INSTALL GUARDRAIL W/G.E.T.

CONSTRUCT FENCE STYLE CLASS A 8' CLF STA. 331+51.83 TO STA. 336+19.70 611 L.F. (A001)

CONSTRUCT FENCE STYLE WWF STA. 332+53.11 TO STA. 335+77.84 671 L.F. (A001)

CONSTRUCT FENCE STYLE WWF STA. 338+99.63 TO STA. 350+12.37 1,349 L.F. (A001)

TEMP. R/W TO CONSTRUCT DRAINAGE STRUCTURE

BRIDGE O

BRIDGE R

BRIDGE Q

5'X2' RCB

5'X5' RCB

2-5'X2' RCB

2-5'X5' RCB

WEST 8TH STREET SOUTH

WEST 7TH STREET SOUTH

SOUTH 57TH WEST AVENUE

S. 58th W. Ave.

S. 57th W. Ave.

CHARLES PAGE BLVD

SAND SPRINGS RAILROAD

GILCREASE EXPRESSWAY

KATY TRAIL

WEST 4TH PLACE STREET

PRES. R/W

E-W60

N-S390.5

1/4 SECTION LINE

Chain-Link Fence

C.R.L.

STA. 325+00

STA. 330+00

STA. 335+00

STA. 340+00

LEGEND

- PROPOSED PAVEMENT
- TRAIL
- XXX DRAINAGE STRUCTURE
- CABLE BARRIER
- XXX PARCEL #
- LIGHT POLE
- BORE HOLE

SUPPORTING SHEETS LIST

GEOMETRIC DATA	R004 TO R041
PROFILE SHEETS	R065 TO R084

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℄.

BM#4-N CITY OF TULSA CONTROL STA. 329+91.11 207.07' RT. EL. 664.35'

BM#5-N SET #6 REBAR; STA. 336+91.48 206.05' RT. EL. 641.998'

MATCH LINE SEE SHEET R060

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN SHEET
(SHEET 20 OF 23)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R061

50% plans

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℞, ℄.

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PROFILE SHEETS R065 TO R084

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

0 50 100 150
SCALE

50% plans

POB W. 2ND ST. 55+00.00 SEC 5 T19N R12E

PI W. 2ND ST. 61+41.53

℄ W. 2ND ST.

HARLOW CREEK COMPENSATORY STORAGE GRADING

PC C.R.L. 351+26.21

℄ SURVEY A001

BRIDGE T

BRIDGE S

GILCREASE EXPRESSWAY

C.R.L. C-6

STA. 340+00

STA. 355+00

345+00

350+00

TOC/TOS (2ND ST.)

TOC/TOS (MAINLINE)

STA. 338+75.14 TO STA. 338+75.14 INSTALL GUARDRAIL W/G.E.T.

STA. 338+75.14 TO STA. 341+89.82 INSTALL GUARDRAIL W/G.E.T.

CONSTRUCT FENCE STYLE WWF STA. 338+57.77 TO STA. 349+47.55 1,133 L.F. (A001)

STA. 347+67.74 TO STA. 349+95.82 INSTALL GUARDRAIL W/G.E.T.

CONST. CABLE BARRIER STA. 339+01.13 TO STA. 347+70.32

STA. 347+45.20 TO STA. 349+85.22 INSTALL GUARDRAIL W/G.E.T.

STA. 50+35 LT CONSTRUCT 16' CONCRETE DRIVE W/16' GATE

CONSTRUCT FENCE STYLE WWF STA. 338+99.63 TO STA. 350+12.37 1,349 L.F. (A001)

SOUTH 57TH WEST AVENUE

N-S390.5 1/4 SECTION LINE

S.57th W. Ave.

W. 1st St.

W. 2nd Street South

HARLOW CREEK

MH650 MH651

247 248 249 650 651 652 653 654 655 656 657 658 659 660

PRES.R/W

Asphalt

Chain-link fence

Keystone

Concrete

Gravel

Fence

Strand

Overhead

Guardrail

LEGEND

- PROPOSED PAVEMENT
- TRAIL
- XXX DRAINAGE STRUCTURE
- CABLE BARRIER
- XXX PARCEL #
- LIGHT POLE
- BORE HOLE

BM#6-N SET #6 REBAR; STA. 343+93.30 208.40' RT. EL. 642.199'

BM#7-N SET #6 REBAR; STA. 351+93.48 201.46' RT. EL. 646.146'

SEC 5 T19N R12E

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN SHEET
(SHEET 21 OF 23)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R062

SEC 5 T19N R12E

0 50 100 150
SCALE

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

50% plans

MATCHLINE

℄ SOUTH C-D ROAD

℄ NORTH C-D ROAD

℄ SURVEY A001

℄ KEYSTONE EXPRESSWAY

℄ GILCREASE EXPRESSWAY

PC KEYSTONE 345+96.66

WB KEYSTONE EXPRESSWAY

EB KEYSTONE EXPRESSWAY

2663.95' N89°43'14.37"E

E-W595 1/4 SECTION LINE

N-S390.5 1/4 SECTION LINE

2108.97' S0°24'52.36"E

TOC/TOS (SOUTH C-D)

TOC/TOS (NORTH C-D)

℄ KEYSTONE STA. 348+16.18 END CONCRETE BARRIER

℄ KEYSTONE STA. 350+75.35 END CONCRETE BARRIER

STA. 354+91.99 TO STA. 356+47.68 INSTALL GUARDRAIL W/G.E.T.

STA. 354+91.99 TO STA. 357+31.88 INSTALL GUARDRAIL W/G.E.T.

STA. 358+88.06 TO STA. 359+20.85 INSTALL GUARDRAIL W/G.E.T.

STA. 3656+21.15 TO STA. 366+96.19 INSTALL GUARDRAIL W/G.E.T.

CONSTRUCT FENCE STYLE WWF STA. 345+56.94 TO STA. 377+90.27 3,230 L.F. (A005)

CONSTRUCT FENCE STYLE WWF STA. 333+57.27 TO STA. 350+48.63 1,968 L.F. (A005)

CONSTRUCT FENCE STYLE WWF STA. 368+39.45 TO STA. 375+96.03 974 L.F. (A001)

CONSTRUCT F-SHAPED PARAPET W/ ATTENUATOR

BRIDGE V

BRIDGE U

INSTALL IMPACT ATTENUATOR

INSTALL IMPACT ATTENUATOR

RAISED ISLAND

RAISED ISLAND

RETAINING WALL

OIL RIG RUNNING

Pond

Gravel

3-Strand

1-Strand

Chain-Link Fence

PRES. R/W

R/W

ZDHA CWC Base Typ.

5'X2' RCB

6'X5' RCB

3'X2' RCB

PI C.R.L. 365+86.46

PI ℄ SURVEY A001 365+86.46

365+00.00

360+00.00

C.R.L. STA. 368+00.00 BEGIN CITY OF TULSA FUTURE PROJECT NO.966120

C.R.L. STA. 368+00.00 END PROJECT BEGIN INCIDENTAL

STA. 355+00

STA. 370+00

+08.20

+56.74

+79.55

+48.63 (338.22') (A005)

+02.76 (67.57') (A005)

+16.19

+86.19

250

310

311

13

14

15

36'

8'

24'

2'

LEGEND

- PROPOSED PAVEMENT
- TRAIL
- XXX DRAINAGE STRUCTURE
- CABLE BARRIER
- XXX PARCEL #
- LIGHT POLE
- BORE HOLE

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℄, ℄.

SUPPORTING SHEETS LIST

GEOMETRIC DATA R004 TO R041

PROFILE SHEETS R065 TO R084

BM#8-N BOX CUT ON DRAINAGE HEADWALL ALSO BM50 STA. 362+11.81 168.77' RT. EL. 670.734'

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN SHEET
(SHEET 22 OF 23)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500
DETAILED	BWH	7/17	
CHECKED	NAB	10/17	DATE: 10/30/2017 — SHEET NO. R063

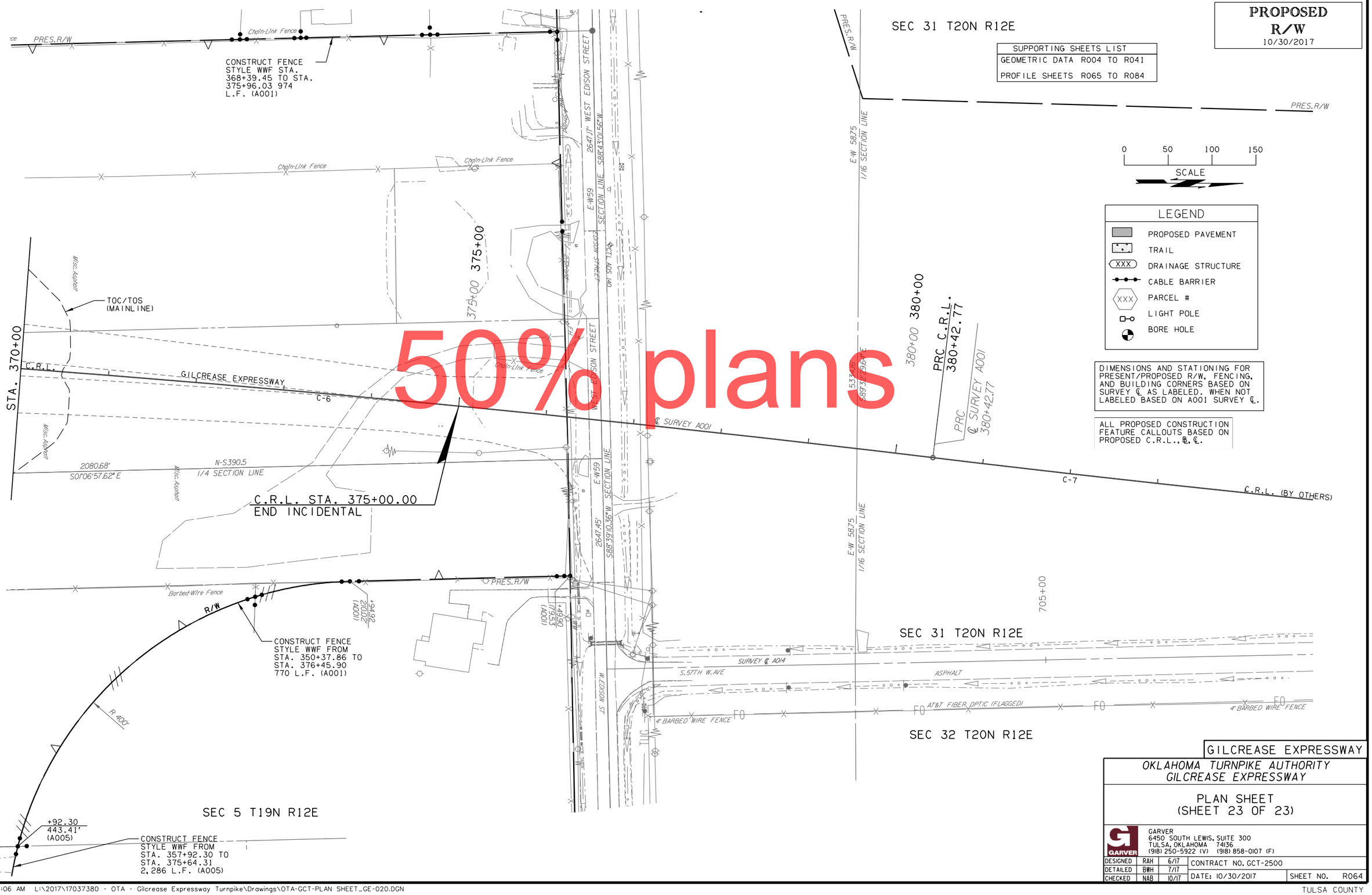
OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SEC 5 T19N R12E

SEC 31 T20N R12E

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PROFILE SHEETS R065 TO R084



0 50 100 150
SCALE

LEGEND

- PROPOSED PAVEMENT
- TRAIL
- XXX DRAINAGE STRUCTURE
- CABLE BARRIER
- XXX PARCEL #
- LIGHT POLE
- BORE HOLE

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℄.

50% plans

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN SHEET
(SHEET 23 OF 23)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R064

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED
R/W
10/30/2017

UTILITIES CONTACTS	
AEP (PSO)	888-216-3523
AT&T	405-291-6941
COX COMMUNICATION	918-806-6000
SUNOCO PIPELINE, L.P.	888-786-3260
MAGELLAN GAS	800-720-2417/918-630-2376
EXPLORER PIPELINE	800-522-6543
PLAINS PIPELINE	800-708-5071
GREAT LAKES PIPELINE	800-522-6543
ONEOK	800-522-6543
ONG	800-458-4251
CITY OF TULSA SEWER	918-596-2100
CITY OF TULSA WATER	918-596-2100

SUPPORTING SHEETS LIST	
GEOMETRIC DATA	R004 TO R041
PLAN SHEETS	R042 TO R064

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

LEGEND

- *EXIST. GRADE C.R.L.*
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

50% plans

C.R.L. STA. 90+00.00
BEGIN INCIDENTAL

SCALE:
HORIZ.: 1"=50'
VERT.: 1"=5'

EXISTING GRADE P.G.L. (LT)
EXISTING GRADE P.G.L. (RT)

752.09 PGL RT
751.90 PGL RT
751.79 PGL RT
752.03 PGL RT
752.39 PGL RT
753.04 PGL RT
753.82 PGL LT
753.73 PGL RT
754.45 PGL LT
754.40 PGL RT
755.18 PGL LT
755.11 PGL RT
755.85 PGL LT
755.79 PGL RT
756.51 PGL LT
756.47 PGL RT
757.23 PGL LT
757.11 PGL RT
757.4

820 815 810 805 800 795 790 785 780 775 770 765 760 755 750 745 740 735 730 725 720

85+00 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100+00

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET
(SHEET 1 OF 20)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R065

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SUPPORTING SHEETS LIST	
GEOMETRIC DATA	R004 TO R041
PLAN SHEETS	R042 TO R064

SEE ODOT ROADWAY STANDARD SUEL 1-3 LATEST VERSION. FOR SHOULDER SUPERELEVATION INFORMATION.

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

LEGEND
- *EXIST. GRADE C.R.L.*
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

SB SHOULDERS
NB SHOULDERS
SB LANES
NB LANES
MATCH EXISTING CROSS SLOPE
+30.00
S=-5.10%
S=-5.40%
TRANS.
TRANS.
+15.00
+65.00
OUTSIDE FULL SUPER S=+6.00%
+97.94
FULL SUPER S=+6.00%
FULL SUPER S=-6.00%

BRIDGE 'A'
ELEV. 790.09

50% plans

C.R.L. STA. 103+30.00
END INCIDENTAL
BEGIN PROJECT

PGL RT
L= 250.00'
K= 396.83
L= 250.00'
K= 416.67
PGL LT

L= 370.00'
K= 1275.86

PVC STA 105+15.00 EL 759.78
PVI STA 105+15.00 EL 759.40
PVI STA 106+93.62 EL 759.65
PVC STA 108+85.00 EL 759.80
PVC STA 109+05.00 PGL LT EL 759.83 PGL RT
PVT STA 111+55.00 EL 760.95

FINISH GRADE P.G.L.
FINISH GRADE P.G.L. (LT & RT)
EXISTING GRADE P.G.L.(LT)
EXISTING GRADE P.G.L.(RT)
EXISTING GRADE C.R.L.

0.12%
0.15%
0.12%
0.15%
0.75%
0.75%

PVI STA 107+00.00
EL 759.52
PVI STA 110+50.00
EL 759.74 SP DT LT.
PVI STA 110+30.00
EL 760.02
PVI STA 110+30.00
EL 760.02

5.00%
1.50%
SPECIAL DITCH LEFT

1 C.R.L. STA. 107+30.00
CONST. (2) 6'X4'X556.26' RCB
FL LT. EL=743.24
FL RT. EL=754.15

PVI STA 106+00.00
EL 742.49 SP DT LT.
PVI STA 107+50.00
EL 744.74 SP DT LT.

SCALE:
HORIZ.: 1"=50'
VERT.: 1"=5'

| | | | |

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PLAN SHEETS R042 TO R064

SEE ODOT ROADWAY STANDARD SUEL 1-3 LATEST VERSION. FOR SHOULDER SUPERELEVATION INFORMATION

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

BM#24 SET #6 REBAR; STA. 119+36 109'LT. EL. 766.853'

BM#23 SET #6 REBAR; STA. 126+19 155'LT. EL. 757.738'

LEGEND

- *EXIST.GRADE C.R.L.*
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SB SHOULDERS
NB SHOULDERS
SB LANES
NB LANES
FULL SUPER S=+6.00%
TRANSITION OUTSIDE +6% TO -1%
+33.93
+08.93
FULL SUPER S=-6.00%
+34.71
+09.71
TRANSITION OUTSIDE -1% TO 6%

FINISH PROFILE GRADE P.G.L.

PVC STA 116+75.00 EL 764.85

HL 119+75.00 EL 765.79

PVI STA 119+10.00 EL 760.05 SP DT RT.

PVI STA 122+00.00 EL 757.00 SP DT RT.

PVI STA 123+00.00 EL 769.54

0.75%

-1.05%

-3.00%

SPECIAL DITCH RIGHT

EXISTING GRADE C.R.L.

L= 400.00'
K= 216.22

PVC STA 129+75.00 EL 749.29

-3.00%

PVI STA 129+25.00 EL 750.79

L= 1250.00'
K= 333.33

SCALE:
HORIZ.: 1"=50'
VERT.: 1"=5'

	115+00	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130+00
EXIST.	763.54	760.5 764.29	765.1 765.03	764.9 765.56	764.6 765.78	764.0 765.71	763.2 765.33	762.8 764.66	762.3 763.68	761.3 762.41	759.2 760.83	757.3 758.96	755.1 756.78	753.1 754.31	750.1 751.53	746.9 748.56
PROP.	763.54	764.29	765.03	765.56	765.78	765.71	765.33	764.66	763.68	762.41	760.83	758.96	756.78			

50% plans

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET
(SHEET 3 OF 20)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R067

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PLAN SHEETS R042 TO R064

SEE ODOT ROADWAY STANDARD SUEL 1-3 LATEST VERSION. FOR SHOULDER SUPERELEVATION INFORMATION

BM#22 SET #6 REBAR; STA. 133+04 141' LT. EL. 736.528'

BM#21 SET #6 REBAR; STA. 140+07 158' LT. EL. 728.466'

LEGEND
- EXIST.GRADE C.R.L.
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

SB SHOULDERS
NB SHOULDERS
SB LANES — FULL SUPER S=+6.00% — TRANSITION +6% TO -2% — +68.04 — S=-2.00% NORMAL CROWN
NB LANES — FULL SUPER S=-6.00% — +08.04 — TRANSITION -6% TO -2% — +88.04 — NORMAL CROWN

L= 400.00'
K= 216.22

PVT STA 133+75.00
EL 740.99

PVI STA 131+75.00
EL 743.29

-3.00% -1.15% -2.70% -1.35% -1.15% -2.30%

FINISH PROFILE GRADE P.G.L.

EXISTING GRADE C.R.L.

SPECIAL DITCH RIGHT

PVI STA 131+25.00
EL 738.89 SP DT RT.

PVI STA 133+65.00
EL 732.41 SP DT RT.

PVI STA 133+95.00
EL 732.41 SP DT RT.

PVI STA 134+70.00
EL 736.16 SP DT RT.

PVI STA 134+82.00
EL 736.16 SP DT RT.

PVI STA 135+55.00
EL 732.51 SP DT RT.

PVI STA 136+10.00
EL 731.88 SP DT RT.

C.R.L. STA. 133+79.00
CONST. 6'X3'X194' RCB
FL LT. EL=731.71
FL RT. EL=732.34

PVI STA 139+70.00
EL 727.02 SP DT RT.

PVI STA 139+80.00
EL 727.02 SP DT RT.

PVI STA 140+20.00
EL 729.02 SP DT RT.

PVI STA 141+55.00
EL 727.53 SP DT RT.

C.R.L. STA. 139+75.00
CONST. 5'X2'X162' RCB
FL LT. EL=726.39
FL RT. EL=726.98

PVI STA 144+90.00
EL 719.82 SP DT RT.

SCALE:
HORIZ.: 1"=50'
VERT.: 1"=5'

	130+00	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145+00
EXIST.	746.9	744.6	742.4	740.7	740.1	738.4	737.2	736.0	734.7	733.6	733.4	732.4	730.9	729.7	728.6	727.3
PROP.	748.56	745.90	743.71	741.98	740.70	739.55	738.40	737.25	736.10	734.95	733.80	732.65	731.50	730.35	729.20	728.05

50% plans

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET
(SHEET 4 OF 20)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500
DETAILED	BWH	7/17	
CHECKED	NAB	10/17	DATE: 10/30/2017 SHEET NO. R068

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SUPPORTING SHEETS LIST	
GEOMETRIC DATA	R004 TO R041
PLAN SHEETS	R042 TO R064

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

BM#20 SET #6 REBAR; STA. 146+96 163' LT.
EL. 719.463'

BM#19 SET #6 REBAR; STA. 154+08 164' LT.
EL. 715.829'

LEGEND
- *EXIST.GRADE C.R.L.*
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

50% plans

SCALE:
HORIZ.: 1"=50'
VERT.: 1"=5'

L= 400.00'
K= 1142.86

PVC STA 145+50.00
EL 727.48

SPECIAL DITCH RIGHT

0.00%
5.00%
-5.00%
-1.15%
-0.80%

PVI STA 145+30.00
EL 719.82 SP DT RT.

PVI STA 146+15.00
EL 724.07 SP DT RT.

PVI STA 146+27.00
EL 724.07 SP DT RT.

PVI STA 146+75.00
EL 721.67 SP DT RT.

PVI STA 147+50.00
EL 725.18

PVT STA 149+50.00
EL 723.58

C.R.L. STA. 145+10.00
CONST. (2) 8'X3'X162' RCB
FL LT. EL=719.17
FL RT. EL=719.77
(4)

FINISH PROFILE GRADE
P.G.L.

EXISTING GRADE
C.R.L.

L= 520.00'
K= 157.58

PVC STA 158+40.00
EL 716.46

PT STA 159+66.06
EL 715.95

(5) C.R.L. STA. 159+85.00
CONST. 5'X2'X335' RCB
FL LT. EL=704.19
FL RT. EL=707.43

	727.3	726.7	725.6	724.3	723.4	722.5	721.8	720.9	720.3	719.5	718.6	717.7	716.9	716.2	715.1	714.4
EXIST.	728.05	726.91	725.85	724.88	723.99	723.18	722.38	721.58	720.78	719.98	719.18	718.38	717.58	716.78	716.09	715.99
PROP.																

145+00	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160+00

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET
(SHEET 5 OF 20)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R069

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SUPPORTING SHEETS LIST	
GEOMETRIC DATA	R004 TO R041
PLAN SHEETS	R042 TO R064

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

BM#18 SET #6 REBAR; STA. 161+07 213' LT.
EL. 708.183'

BM#17 SET #6 REBAR; STA. 168+56 275' LT.
EL. 705.659'

LEGEND
- EXIST. GRADE C.R.L.
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

SB OUTSIDE SHOULDERS
NB OUTSIDE SHOULDERS
SB S=-4.00%
NB S=-4.00%
TRANS. -4% TO -2%
TRANS. -2% TO -4%
S=-2.00%
S=-4.00%

BRIDGE B & C - 196.66'
46'-105'-46' P.C. BEAM
44'-0" CLEAR ROADWAY
W/ 42" F-SHAPED PARAPETS

+18.27
+68.27
BEGIN BRIDGE STA. 169+08.27 P.G. ELEV 729.47
PVI STA 170+00.00 EL 736.88
END BRIDGE STA. 171+04.93 P.G. ELEV. 729.67
+44.94
+94.94

L= 520.00'
K= 157.58
PVT STA 163+60.00 EL 720.88
PVC STA 164+00.00 EL 721.88
PVI STA 161+00.00 EL 714.38
-0.80%
2.50%
2.50%
2.25%
FINISH PROFILE GRADE P.G.L.
HI 170+31.58 EL729.77
FINISH GRADE ℄ W. 415' ST. S.
EXISTING GRADE C.R.L.
L= 1200.00'
K= 252.63

C.R.L. STA. 159+85.00
CONST. 5'X2'X335' RCB
FL LT. EL=704.19
FL RT. EL=707.43
5

SCALE:
HORIZ.: 1"=50'
VERT.: 1"=5'

50% plans

	160+00	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175+00
EXIST.	7144	7151	7187	7211	7223	7241	7242	7247	7204	7056	7039	6991	7014	7023	7029	7039
PROP.	715.99	716.52	717.69	719.49	721.88	724.18	726.09	727.60	728.71	729.43	729.75	729.68	729.21	728.35	727.09	725.43

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET
(SHEET 6 OF 20)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500
DETAILED	BWH	7/17	
CHECKED	NAB	10/17	DATE: 10/30/2017 SHEET NO. R070

SUPPORTING SHEETS LIST	
GEOMETRIC DATA	R004 TO R041
PLAN SHEETS	R042 TO R064

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

BM#16 SET #6 REBAR; STA. 175+67 413' LT.
EL. 698.496'

BM#17 SET #6 REBAR; STA. 182+40 427' LT.
EL. 692.753'

BM#18 SET #6 REBAR; STA. 189+38 438' LT.
EL. 694.184'

LEGEND
- *EXIST.GRADE C.R.L.*
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

OKLAHOMA TURNPIKE AUTHORITY

SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

50% plans

SCALE:
HORIZ.: 1"=50'
VERT.: 1"=5'

PVT STA 176+00.00 EL 723.38
-2.25%
PVC STA 177+75.00 EL 719.44
L= 600.00'
K= 200.00
FINISH PROFILE GRADE P.G.L.
LO STA 182+25.00 EL 714.38
-2.25%
0.75%
PVT STA 183+75.00 EL 714.94
0.75%
L= 1200.00'
K= 252.63
PVI STA 180+75.00 EL 712.69
EXISTING GRADE C.R.L.
PVI STA 185+23.39 EL 711.99 BERM RT.
PVI STA 185+23.39 EL 708.99 SWALE RT.
PVI STA 165+23.39 EL 708.55 SP DT RT.
14.50%
14.50%
3.20%
PVI STA 186+35.00 DT RT EL 712.12 SP
PVC STA 186+50.00 EL 717.00
SPECIAL DITCH RIGHT C.R.L.
L= 1200.00'
K= 436.36
PVI STA 188+60.00 EL 766.39 BERM RT.
PVI STA 188+60.00 SWALE RT. EL 764.95
18.80%
20.00%
18.70%
BERM RIGHT
SWALE RIGHT
BERM RIGHT
20.00%
PVI STA 187+30.00 SWALE RT. EL 738.95
PVI STA 187+30.00 BERM RT. EL 741.95
PVI STA 189+80.00 BERM RT. EL 743.95
HI 189+77.27 EL 718.25

C.R.L. STA. 183+60.00
CONST. 48"X218.40' RCP W/END SECTIONS
FL LT. EL=702.93
FL RT. EL=700.25
6

	EXIST.	PROP.
175+00	703.0	725.43
176	703.4	723.38
177	703.6	721.13
178	702.7	718.89
179	702.4	717.02
180	702.9	715.64
181	703.6	714.77
182	705.2	714.39
183	704.8	714.52
184	706.9	715.13
185	711.6	715.88
186	708.1	716.63
187	713.1	717.35
188	716.9	717.87
189	717.6	718.16
190+00	721.0	718.22

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET
(SHEET 7 OF 20)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R071

TULSA COUNTY

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PLAN SHEETS R042 TO R064

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

BM#13 SET #6 REBAR; STA. 196+33 374' LT.
EL. 693.845'

BM#12 SET #6 REBAR; STA. 203+60 382' LT.
EL. 684.061'

LEGEND
- EXIST.GRADE C.R.L.
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

50% plans

BERM RIGHT
PVI STA 190+50.00 EL 729.95 BERM RT.
PVI STA 191+60.00 EL 744.25 BERM RT.
PVI STA 191+60.00 EL 741.25 SWALE RT.
SWALE RIGHT
PVI STA 190+50.00 EL 726.95 SWALE RT.
PVI STA 192+50.00 EL 721.50
-2.00%
-3.00%
-3.00%
0.75%
-2.00%
-2.40%
0.00%
5.00%
0.00%
-1.50%
DITCH BERM (RT) ELEV. 712.75
SPECIAL DITCH RIGHT
EXISTING GRADE C.R.L.
PVI STA 191+50.00 EL 713.18 SP DT RT.
PVI STA 193+45.00 EL 708.50 SP DT RT.
PVI STA 193+55.00 EL 708.50 SP DT RT.
PVI STA 194+40.00 EL 712.75 SP DT RT.
PVI STA 194+52.00 EL 712.75 SP DT RT.
PVI STA 195+00.00 EL 710.59 SP DT RT.
L= 1200.00'
K=436.36
C.R.L. STA. 194+10.00
CONST. 42"X292.80' RCP W/END SECTIONS
FL LT. EL=695.70
FL RT. EL=707.86
PVT STA 198+50.00 EL 709.50
PVI STA 200+00.00 EL 702.03 SP DT RT.
PVI STA 201+00.00 EL 699.69 SP DT LT.
FINISH PROFILE GRADE P.G.L.
-2.00%
SPECIAL DITCH LEFT
-3.00%
-4.60%
SPECIAL DITCH RIGHT

SCALE: HORIZ.:1"=50' VERT.:1"=5'

| | | | |

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SUPPORTING SHEETS LIST	
GEOMETRIC DATA	R004 TO R041
PLAN SHEETS	R042 TO R064

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

BM#11 SET #6 REBAR; STA. 210+68 394' LT.
EL. 676.468'

BM#10 SET #6 REBAR; STA. 217+88 416' LT.
EL. 670.705'

LEGEND
- *EXIST.GRADE C.R.L.*
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

50% plans

SCALE:
HORIZ.: 1"=50'
VERT.: 1"=5'

PVC STA 205+50.00
EL 695.50

L= 600.00'
K= 200.00

LO STA 209+50.00
EL 691.50

PVT STA 211+50.00
EL 692.50

FINISH PROFILE GRADE
P.G.L.

PVC STA 218+25.00
EL 699.25

L= 900.00'
K= 463.38

SPECIAL DITCH LEFT

PVI STA 205+50.00
EL 686.19 SP DT LT.

-2.00%

1.00%

1.00%

PVI STA 211+00.00
EL 687.56 SP DT RT.

-2.80%

PVI STA 212+60.00
EL 683.08 SP DT RT.

EXISTING GRADE C.R.L.

SPECIAL DITCH RIGHT

SPECIAL DITCH LEFT

-0.70%

-0.75%

PVI STA 206+50.00
EL 689.50

3.20%

1.60%

PVI STA 209+50.00
EL 684.18 SP DT RT.

PVI STA 210+00.00
EL 682.22 SP DT LT.

PVI STA 210+45.00
EL 687.22 SP DT RT.

-1.40%

0.00%

PVI STA 205+15.00
EL 678.34 SP DT RT.

PVI STA 205+85.00
EL 678.34 SP DT RT.

PVI STA 212+60.00
EL 678.58 SP DT LT.

BRIDGE AA C.R.L. STA. 206+85.00
CONST. (2) 12'X10'X330' RCB
W/END SECTIONS
FL LT. EL=674.95
FL RT. EL=677.91

	205+00	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220+00
EXIST.	685.7	680.9	682.5	681.7	684.5	686.8	685.6	684.4	683.4	683.0	682.3	681.9	682.2	681.2	680.9	680.0
PROP.	696.50	694.57	693.07	692.07	691.57	691.57	692.07	693.00	694.00	695.00	696.00	697.00	698.00	699.00	699.94	700.67

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET
(SHEET 9 OF 20)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500
DETAILED	BWH	7/17	
CHECKED	NAB	10/17	DATE: 10/30/2017 — SHEET NO. R073

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SUPPORTING SHEETS LIST	
GEOMETRIC DATA	R004 TO R041
PLAN SHEETS	R042 TO R064

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

BM#9 BRASS CAP SET IN HEADWALL STA. 224+84 498' LT. EL. 668.187'

BM#8 CHISELED BOX SET ON BRIDGE RAILING STA. 231+84 495' LT EL. 670.778'

LEGEND
- EXIST. GRADE C.R.L.
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

S=-4.00% SB OUTSIDE SHOULDER
S=-4.00% NB OUTSIDE SHOULDER
-26.67
+76.67
TRANS. -4% TO -2%
S=-2.00%
+93.33
+43.33
TRANS. -2% TO -4%
S=-4.00%
+40.74
+90.74
TRANS. -4% TO -2%
S=-2.00%

PVI STA 222+75.00
EL 703.75
1.00%
-0.94%
HI 222+88.38
EL 701.57
PVT STA 227+25.00
EL 699.51
L= 900.00'
K= 463.38

FINISH PROFILE GRADE P.G.L.

BEGIN BRIDGE F & G
STA. 233+30.74
P.G. ELEV. 693.81
136'-(11) 135'-136' P.C. BEAM
44'-0" CLEAR ROADWAY
W/ 42" F-SHAPED PARAPETS
BRIDGE 'G' (SB) - 1756.76'
BRIDGE 'F' (NB) - 1754.28'

EXISTING GRADE W.31ST ST.
PVI STA 223+10.00
EL 675.00 SP DT RT.
-0.70%
SPECIAL DITCH RIGHT
PVI STA 222+65.00
EL 676.04 SP DT RT.
-0.75%
SPECIAL DITCH LEFT
0.70%
SPECIAL DITCH RIGHT
SPECIAL DITCH LEFT
EXISTING GRADE C.R.L.
-1.00%
PVI STA 232+90.00
EL 665.20 SP DT RT.

PVI STA 222+65.00
EL 671.04 SP DT LT.
PVI STA 223+00.00
EL 671.03 SP DT LT.
PVI STA 226+00.00
EL 673.13 SP DT LT.

	6800	6795	6795	6774	6800	6800	6795	6786	6762	6750	6737	6715	6673
EXIST.	700.67	701.19	701.49	701.57	701.44	701.09	700.52	699.74	698.81	697.86	696.92	695.98	695.04
PROP.													
	220+00	221	222	223	224	225	226	227	228	229	230	231	232

6640 694.10 — 233
6628 693.15 — 234
6557 692.21 — 135+00

SCALE:
HORIZ.: 1"=50'
VERT.: 1"=5'

50% plans

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET
(SHEET 10 OF 20)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R074

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SUPPORTING SHEETS LIST	
GEOMETRIC DATA	R004 TO R041
PLAN SHEETS	R042 TO R064

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

BM#7 SET #6 REBAR; STA. 240+09 535' LT.
EL. 659.308'

BM#6 SET #6 REBAR; STA. 247+23 549' LT.
EL. 661.612'

LEGEND
- *EXIST. GRADE C.R.L.*
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

SB OUTSIDE SHOULDER S=-2.00%

NB OUTSIDE SHOULDER S=-2.00%

BRIDGE 'G' (SB) - 1756.76'
BRIDGE 'F' (NB) - 1754.28'
136'-(11) 135'-1.36' P.C. BEAM
44'-0" CLEAR ROADWAY
W/ 42" F-SHAPED PARAPETS

S=-2.00% SB OUTSIDE SHOULDER

S=-2.00% NB OUTSIDE SHOULDER

FINISH PROFILE GRADE P.G.L.

-0.94%

EXISTING GRADE C.R.L.

FINISH GRADE BERRYHILL CREEK REALIGNMENT

SCALE: HORIZ.: 1"=50' VERT.: 1"=5'

50% plans

	235+00	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250+00
EXIST.	655.7	657.4	658.2	658.5	658.2	656.4	656.8	655.3	655.7	655.9	655.2	655.1	654.6	655.6	655.4	653.7
PROP.	692.21	691.27	690.33	689.38	688.44	687.50	686.56	685.62	684.67	683.73	682.79	681.85	680.90	679.96	679.02	678.08

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET
(SHEET 11 OF 20)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17
DETAILED	BWH	7/17
CHECKED	NAB	10/17

CONTRACT NO. GCT-2500

DATE: 10/30/2017

SHEET NO. R075

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SUPPORTING SHEETS LIST	
GEOMETRIC DATA	R004 TO R041
PLAN SHEETS	R042 TO R064

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

BM#5 SET #6 REBAR; STA. 254+75 415' LT.
EL. 661.986'

BM#4 SET #6 REBAR; STA. 261+80 288' LT.
EL. 664.354'

LEGEND
- *EXIST.GRADE C.R.L.*
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

SB OUTSIDE SHOULDER S=-2.00%
33.87
83.87
S=-4.00%
TRANS. -2% TO -4%
NB OUTSIDE SHOULDER S=-2.00%
±26.15
±76.15
S=-4.00%

BRIDGE 'G' (SB) - 1756.76'
BRIDGE 'F' (NB) - 1754.28'
136'-(1) 135'-136' P.C. BEAM
44'-0" CLEAR ROADWAY
W/ 42" F-SHAPED PARAPETS

END BRIDGE G
STA. 250+89.99
P.G. ELEV. 677.23
END BRIDGE F
STA. 250+85.02
P.G. ELEV. 677.28

FINISH PROFILE GRADE P.G.L.

-0.94%

EXISTING GRADE C.R.L.

0.30%

SPECIAL DITCH LEFT

2.00%

PVI STA 263+60.00
EL 659.46 SP DT LT.

PVI STA 250+90.00
EL 651.23 SP DT LT.

PVI STA 261+00.00
EL 654.26 SP DT LT.

SCALE:
HORIZ.: 1"=50'
VERT.: 1"=5'

	EXIST.	653.7	653.4	653.1	652.5	652.7	653.0	652.9	653.0	654.0	654.3	653.7	653.2	653.3	653.8	655.5	655.3
	PROP.	678.08	677.13	676.19	675.25	674.31	673.37	672.42	671.48	670.54	669.60	668.65	667.71	666.77	665.83	664.89	663.94
STA.		250+00	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265+00

50% plans

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET
(SHEET 12 OF 20)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R076

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SUPPORTING SHEETS LIST	
GEOMETRIC DATA	R004 TO R041
PLAN SHEETS	R042 TO R064

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

BM#3 SET #6 REBAR; STA. 269+62 214' LT.
EL. 660.673'

ADS#118 FOUND 5/8" REBAR WITH 1-1/2" ALUM. CAP STA. 276+97 195' LT
EL. 649.122'

LEGEND
- *EXIST. GRADE C.R.L.*
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

SB OUTSIDE SHOULDER S=-4.00% | +25.25 | +75.25 | S=-2.00% | +65.07 | +115.07 | S=-4.00%
TRANS. -4% TO -2% | TRANS. -2% TO -4%
NB OUTSIDE SHOULDER S=-4.00% | +06.68 | +56.68 | S=-2.00% | +48.33 | +98.74 | S=-4.00%

BRIDGE 'H' (NB) - 199.52'
BRIDGE 'I' (SB) - 198.82'
BRIDGE 'H' - 39'-106'-54' P.C. BEAM
BRIDGE 'I' - 39'-106'-54' P.C. BEAM
56'-0" CLEAR ROADWAY
W/ 42" F-SHAPED PARAPETS

PVC STA 267+75.00
EL 661.35
PVT STA 269+53.36
EL 660.51
L= 650.00'
K= 189.93
PVT STA 274+25.00
EL 666.35
BEGIN BRIDGE 'H'
STA. 275+06.84
P.G. ELEV. 668.38
BEGIN BRIDGE 'I'
STA. 275+17.28
P.G. ELEV. 668.64
END BRIDGE 'H'
STA. 277+06.36
P.G. ELEV. 673.33
END BRIDGE 'I'
STA. 277+16.10
P.G. ELEV. 673.57
PVC STA 279+00.00
EL 678.13
L= 800.00'
K= 268.46

FINISH PROFILE GRADE P.G.L.
2.48%
-0.94%
2.48%
RETAINING WALL (TOP OF COPING)
RETAINING WALL
PVI STA 271+00.00
EL 658.29
EXISTING GRADE W. 21ST ST.S.
SPECIAL DITCH LEFT
-0.30%
EXISTING GRADE C.R.L.
PVI STA 277+16.35
EL 646.31 SP DI LT.
PVI STA 277+83.34
EL 646.11 SP DI LT.

C.R.L. STA. 272+35.00 (8)
CONST. (2) 6'X5'X321' RCB
FL LT. EL=638.52
FL RT. EL=631.24

C.R.L. STA. 279+00.00 (9)
CONST. 8'X4'X376' RCB
FL LT. EL=645.63
FL RT. EL=644.06

50% plans

SCALE:
HORIZ.: 1"=50'
VERT.: 1"=5'

	265+00	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280+00
EXIST.	655.3	654.7	654.0	655.8	643.3	643.6	643.2	633.0	646.3	645.9	641.2	647.5	646.8	645.6	646.0	646.2
PROP.	663.94	663.00	662.06	661.13	660.59	660.56	661.07	662.10	663.66	665.75	668.21	670.69	673.17	675.65	678.13	680.42

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET
(SHEET 13 OF 20)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R077

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

SUPPORTING SHEETS LIST

GEOMETRIC DATA R004 TO R041

PLAN SHEETS R042 TO R064

BM#1 SET #6 REBAR; STA. 289+88.08 297.43'LT. EL. 646.72'

BM#2 SET #6 REBAR; STA. 282+07.30 295.27'LT. EL. 644.592'

LEGEND

- EXIST.GRADE C.R.L.
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

OKLAHOMA TURNPIKE AUTHORITY

SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W 10/30/2017

BRIDGE 'J' (NB) - 313.60' & 'K' (SB) - 312.55'
BRIDGE 'J' - 84'-147'-84' STEEL GIRDER BEAM
BRIDGE 'K' - 84'-147'-84' STEEL GIRDER BEAM
BRIDGE 'J' - 56'-0" CLEAR ROADWAY
BRIDGE 'K' - 44'-0" CLEAR ROADWAY
W/ 42" F-SHAPED PARAPETS

S=-4.00% | +66.76 | +16.76 | S=-2.00% | SB SHOULDERS | +96.64 | +46.64 | S=-4.00% | +16.90 | +66.90 | S=-2.00%

TRANS. -4% TO -2% | TRANS. -2% TO -4% | TRANS. -4% TO -2%

S=-4.00% | +50.37 | +00.37 | S=-2.00% | NB SHOULDERS | +84.57 | +34.57 | S=4.00% | +30.35 | +80.35 | S=-2.00%

BEGIN BRIDGE 'J'
STA. 281+39.33
P.G. ELEV. 683.00
BEGIN BRIDGE 'K'
STA. 281+48.56
P.G. ELEV. 683.14

PVI STA 283+00.00
EL 688.05

END BRIDGE 'J'
STA. 284+52.93
P.G. ELEV. 686.15
END BRIDGE 'K'
STA. 284+61.11
P.G. ELEV. 686.18

FINISH PROFILE GRADE
C.R.L.

BRIDGE 'M' (NB) - 1667.60' & 'N' (SB) - 1662.02'
101'-(9) 135'-130'-135'-81' P.C. BEAM
44'-0" CLEAR ROADWAY
W/ 42" F-SHAPED PARAPETS

BEGIN BRIDGE 'M'
STA. 289+20.82
P.G. ELEV. 684.95
BEGIN BRIDGE 'N'
STA. 289+18.97
P.G. ELEV. 684.96

2.48% | -0.50%

HI 285+65.77
EL686.39

PVT STA 287+00.00
EL 686.05

L= 800.00'
K= 268.46

50% plans

EXISTING BURLINGTON NORTHERN RAILROAD TRACK

EXIST.GRADE C.R.L.

C.R.L. STA. 287+60.00
CONST. 24"X464' RCP
W/END SECTIONS
FL LT. EL=640.23
FL RT. EL=631.63
10

HYDRAULIC DATA
(Ultimate Condition)
Drainage Area = 74,460.0 sq. mi
Controlled Drainage Area = 73,614.0 sq. mi.
Effective Drainage Area = 846.0 sq. mi.

QOT > Q500	=	490,000 cfs
V500	=	11.11 fps
Q500 HW	=	658.38
Q10	=	90,000 cfs
V10	=	5.78 fps
Q10 HW	=	635.51
Q50	=	155,000 cfs
V50	=	7.45 fps
Q50 HW	=	640.16
Q100	=	205,000 cfs
V100	=	8.37 fps
Q100 HW	=	643.20
Max. Scour	Q100	= 13.56
Contr. Scour	Q100	= 0.66
Pier Scour	Q100	= 12.90
Max. Scour	Q500	= 23.56
Contr. Scour	Q500	= 9.16
Pier Scour	Q500	= 14.40

	EXIST.	PROP.
	646.7	680.42
	645.3	682.35
	641.6	683.89
	650.2	685.07
	642.4	685.87
	633.1	686.31
	631.7	686.36
	639.6	686.05
	647.3	685.55
	641.3	685.05
	647.0	684.55
	620.4	684.05
	620.3	683.55
	621.1	683.05
	620.9	682.55
	621.8	682.05

SCALE: HORIZ.: 1"=50' VERT.: 1"=5'

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET
(SHEET 14 OF 20)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R078

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SUPPORTING SHEETS LIST	
GEOMETRIC DATA	R004 TO R041
PLAN SHEETS	R042 TO R064

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

BM#1-N SET #6 REBAR; STA. 309+18.42 263.84' RT.
EL. 640.085'

LEGEND
- *EXIST.GRADE C.R.L.*
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

SB OUTSIDE SHOULDER S=-2.00%
NB OUTSIDE SHOULDER S=-2.00%
+22.44
+72.44
S=-4.00%
TRANS. -2% TO -4%
S=-4.00%
+34.02
+84.02

BRIDGE 'M' (NB) - 1667.60' & 'N' (SB) - 1662.02'
101'-(11) 135'-7⅝" P.C. BEAM
44'-0" CLEAR ROADWAY
W/ 42" F-SHAPED PARAPETS

FINISHED PROFILE GRADE P.G.L.

END BRIDGE 'M'
STA. 305+88.42
P.G. ELEV. 676.61
END BRIDGE 'N'
STA. 305+80.99
P.G. ELEV. 676.65

-0.50%
-0.50%
-0.75%

PVI STA 307+75.00
EL 675.68

PVC STA 306+50.00
EL 676.30

PVT STA 309+00.00
EL 674.73

L= 250.00'
K= 984.68

EXIST.GRADE LEVEE

EXIST.GRADE C.R.L.

PVI STA 309+20.00
EL 634.84 SP DT RT.
11' C.R.L. STA. 308+52.00
CONST. 8'X4'X402' RCB
FL LT. EL=636.83
FL RT. EL=634.99

637.9 675.44 308
640.0 674.73 309
641.3 673.98 310+00

50% plans

HYDRAULIC DATA
(Ultimate Condition)
Drainage Area = 74,460.0 sq. mi
Controlled Drainage Area = 73,614.0 sq. mi.
Effective Drainage Area = 846.0 sq. mi.

QOT > Q500	= 490,000 cfs
V500	= 11.11 fps
Q500 HW	= 658.38
Q10	= 90,000 cfs
V10	= 5.78 fps
Q10 HW	= 635.51
Q50	= 155,000 cfs
V50	= 7.45 fps
Q50 HW	= 640.16
Q100	= 205,000 cfs
V100	= 8.37 fps
Q100 HW	= 643.20

Max. Scour	Q100	= 13.56
Contr. Scour	Q100	= 0.66
Pier Scour	Q100	= 12.90
Max. Scour	Q500	= 23.56
Contr. Scour	Q500	= 9.16
Pier Scour	Q500	= 14.40

SCALE:
HORIZ.: 1"=50'
VERT.: 1"=5'

	295+00	296	297	298	299	300+00	301	302	303	304	305+00	306	307
EXIST.	621.8	621.5	620.9	620.9	620.2	620.1	619.0	630.8	640.7	644.1	641.0	640.3	638.2
PROP.	682.05	681.55	681.05	680.55	680.05	679.55	679.05	678.55	678.05	677.55	677.05	676.55	676.04

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET
(SHEET 15 OF 20)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R079

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PLAN SHEETS R042 TO R064

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

BM#2-N SET #6 REBAR; STA. 316+47.09 255.61' RT. EL. 639.774'

BM#3-N SET #6 REBAR; STA. 323+13.13 245.62' RT. EL. 634.068'

LEGEND
- *EXIST. GRADE C.R.L.*
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

SCALE: HORIZ.: 1"=50' VERT.: 1"=5'

L= 400.00'
K= 265.98

FINISHED PROFILE GRADE P.G.L.

PVC STA 314+75.00 EL 670.40

LO STA 316+75.52 EL669.64

PVI STA 316+75.00 EL 668.89

PVT STA 318+75.00 EL 670.39

-0.75%

-0.75%

0.75%

0.75%

-0.33%

EXIST. GRADE C.R.L.

SPECIAL DITCH RIGHT

SPECIAL DITCH LEFT

1.81%

2.15%

1.11%

PVI STA 320+80.00 EL 631.06 SP DT RT.

C.R.L. STA. 321+22.00
CONST. 12'X6'X349' RCB
FL LT. EL=631.88
FL RT. EL=631.19

12

PVI STA 322+90.00 EL 633.40 SP DT RT.

PVI STA 323+60.00 EL 635.55 SP DT LT.

	6413	6413	6410	6406	6404	6406	6402	6372	6374	6365	6343	6344	6337	6341	6461	6444
EXIST.	673.98	673.22	672.47	671.72	670.96	670.22	669.75	669.65	669.93	670.58	671.33	672.08	672.83	673.58	674.33	675.08
PROP.																

310+00 311 312 313 314 315+00 316 317 318 319 320+00 321 322 323 324 325+00

50% plans

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET
(SHEET 16 OF 20)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17
DETAILED	BWH	7/17
CHECKED	NAB	10/17

CONTRACT NO. GCT-2500

DATE: 10/30/2017

SHEET NO. R080

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SUPPORTING SHEETS LIST	
GEOMETRIC DATA	R004 TO R041
PLAN SHEETS	R042 TO R064

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

BM#4-N CITY OF TULSA CONTROL STA. 329+91.11 207.07' RT. EL. 664.35'

BM#5-N SET #6 REBAR; STA. 336+91.48 206.05' RT. EL. 641.998'

LEGEND
- EXIST.GRADE C.R.L.
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

SCALE:
HORIZ.: 1"=50'
VERT.: 1"=5'

50% plans

101	C.R.L. STA. 336+61.04 CONST. 5'X2'X40' RCB FL BK EL=636.08 FL AH EL=635.88
102	C.R.L. STA. 337+58.25 CONST. (2) 5'X2'X40' RCB FL AH EL=635.85 FL BK EL=635.65
103	C.R.L. STA. 337+52.00 CONST. 5'X5'X22' RCB FL AH EL=636.91 FL BK EL=636.62
104A	C.R.L. STA. 338+40.00 CONST. 12'X5'X88' RCB FL LT. EL=635.53 FL RT. EL=635.27
104B	C.R.L. STA. 338+55.00 CONST. 5'X4'X47' RCB FL AH EL=636.99

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET
(SHEET 17 OF 20)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R081

TULSA COUNTY

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

SUPPORTING SHEETS LIST	
GEOMETRIC DATA	R004 TO R041
PLAN SHEETS	R042 TO R064

BM#6-N SET #6 REBAR; STA. 343+93.30 208.40' RT. EL. 642.199'

BM#7-N SET #6 REBAR; STA. 351+93.48 201.46' RT. EL. 646.146'

LEGEND
- *EXIST.GRADE C.R.L.*
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

50% plans

SB OUTSIDE SHOULDER S=-4.00%
NB OUTSIDE SHOULDER S=-4.00%
TRANS. -4% TO -2%
TRANS. -4% TO -2%
S=-2.00%
S=-2.00%
+96.05
+46.05
+91.99
+35.22
+85.22
BRIDGE 'S' (NB) - 440.86' & 'T' (SB) - 440.15'
BRIDGE 'S' 113'-135'-95'-97' P.C. BEAM
BRIDGE 'T' 114'-135'-95'-97' P.C. BEAM
56'-0" CLEAR ROADWAY
W/ 42" F-SHAPED PARAPETS
BEGIN BRIDGE 'S' STA. 350+03.65 EL. 677.95
BEGIN BRIDGE 'T' STA. 350+07.39 EL. 677.39
END BRIDGE 'S' STA. 353+70.86 EL. 686.19
END BRIDGE 'T' STA. 353+47.42 EL. 685.81
PVC STA 355+00.00 EL 686.67
PVI STA 351+25.00 EL 680.52
1.64%
2.64%
FINISHED PROFILE GRADE P.G.L.
L= 850.00'
K= 189.73
PVT STA 346+25.00 EL 667.42
2.64%
PVC STA 349+75.00 EL 676.56
L= 300.00'
K= 300.00
PVT STA 352+75.00 EL 682.98
L.O. STA 341+24.11 EL 660.71
1.84%
2.64%
PVI STA 342+00.00 EL 656.10
EXIST.GRADE C.R.L.
2.41%
SPECIAL DITCH LEFT
SPECIAL DITCH RIGHT
0.32%
0.10%
0.63%
0.30%
STA 344+72.00 637.67 SP DT RT.
PVI STA 345+95.00 EL 639.41 SP DT LT.
PVI STA 347+00.00 EL 640.37 SP DT LT.
PVI STA 349+59.00 EL 646.62 SP DT LT.
PVI STA 349+90.00 EL 639.22 SP DT RT.

SCALE: HORIZ.: 1"=50' VERT.: 1"=5'

EXIST. 638.7 661.11 | 639.3 660.72 | 639.9 660.86 | 641.4 661.52 | 643.8 662.71 | 643.8 664.43 | 644.9 666.68 | 644.8 669.30 | 645.0 671.94 | 645.4 674.58 | 645.9 677.21 | 646.0 679.60 | 655.9 681.66
PROP.

639.3 683.39 | 654.7 685.03 | 665.7 686.67

340+00 341 342 343 344 345+00 346 347 348 349 350+00 351 352 353 354 355+00

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET
(SHEET 18 OF 20)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R082

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SUPPORTING SHEETS LIST	
GEOMETRIC DATA	R004 TO R041
PLAN SHEETS	R042 TO R064

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

BM#8-N BOX CUT ON DRAINAGE HEADWALL ALSO BM50
STA. 362+11.81 168.77' RT. EL. 670.734'

LEGEND
- EXIST. GRADE C.R.L.
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

50% plans

TRANS. -2% TO -4%
+41.99
SB OUTSIDE SHOULDER S=-4.00%
NB OUTSIDE SHOULDER S=-4.00%
+32.76
+82.76
+87.24
+32.24
TRANS. -4% TO -2%
S=-2.00%
S=-2.00%
+53.21
+03.21
TRANS. -2% TO -4%
S=-4.00%
S=-4.00%

BRIDGE 'U' (NB) - 385.82'
BRIDGE 'V' (SB) - 385.19'
BRIDGE 'U' 68'-124'-124'-68' P.C. BEAM
BRIDGE 'V' 68'-124'-124'-68' P.C. BEAM
56'-0" CLEAR ROADWAY
W/ 42" F-SHAPED PARAPETS

BEGIN BRIDGE 'U'
STA. 360+11.90
G. ELEV. 699.26
BEGIN BRIDGE 'V'
STA. 360+15.09
G. ELEV. 698.26

END BRIDGE 'U'
STA. 363+97.72
G. ELEV. 710.07
END BRIDGE 'V'
STA. 363+61.93
G. ELEV. 709.04

L= 300.00'
K= 258.62

FINISHED PROFILE GRADE P.G.L.

PVT STA 358+00.00
EL 693.33

1.64%
2.80%
2.80%

PVI STA 356+50.00
EL 689.13

C.R.L. STA. 368+00.00
END PROJECT
BEGIN INCIDENTAL

FUTURE CITY OF TULSA
PROJECT NO 966120
(BY OTHERS)

EXIST. GRADE KEYSTONE EXPRESSWAY

EXIST. GRADE C.R.L.

13 C.R.L. STA. 360+48.00
CONST. 5'X2'X264' RCB
FL LT. EL=666.03
FL RT. EL=667.07

14

15 C.R.L. STA. 366+83.00
CONST. 6'X5'X37' RCB
FL LT. EL=671.41
FL RT. EL=673.29

14 C.R.L. STA. 363+25.00
CONST. 5'X2'X307' RCB
FL LT. EL=672.06
FL RT. EL=674.05

SCALE:
HORIZ. 1"=50'
VERT. 1"=5'

EXIST. / PROP.

665.7	679.4	693.4	700.4	697.1	676.7	670.1	671.7	673.4	679.2	678.1	677.3	676.8	677.0	679.5	683.3						
686.67	688.50	690.72	693.33	696.13	698.93	701.73	704.53	707.33	710.13	712.93	715.73	718.53	721.33								
355+00	356	357	358	359	360+00	361	362	363	364	365+00	366	367	368	369	370+00						

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET
(SHEET 19 OF 20)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R083

TULSA COUNTY

SUPPORTING SHEETS LIST	
GEOMETRIC DATA	R004 TO R041
PLAN SHEETS	R042 TO R064

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

LEGEND

- *EXIST.GRADE C.R.L.*
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

OKLAHOMA TURNPIKE AUTHORITY

SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

FUTURE PROFILE GRADE (BY OTHERS)

FUTURE CITY OF TULSA PROJECT NO. 966120 (BY OTHERS)

EXISTING GRADE W. GIBSON ST.

C.R.L. STA. 375+00.00
END INCIDENTAL

EXIST.GRADE C.R.L.

EXIST. 683.3 686.4 689.2 692.9 698.9 703.4 708.8 714.5 722.7 730.7

370+00 371 372 373 374 375+00 376 377 378 379 380+00 381 382 383 384 385+00

770 765 760 755 750 745 740 735 730 725 720 715 710 705 700 695 690 685 680 675 670 660

SCALE:
HORIZ.: 1"=50'
VERT.: 1"=5'

50% plans

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET
(SHEET 20 OF 20)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R084

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

LEGEND

- PROPOSED PAVEMENT
- TRAIL
- XXX DRAINAGE STRUCTURE
- CABLE BARRIER
- XXX PARCEL #
- LIGHT POLE
- BORE HOLE

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℄, ℄.

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A005 SURVEY ℄.

SCALE 0 50 100 150

SEC 5 T19N R12E

SEC 6 T19N R12E

CONSTRUCT FENCE STYLE WWF FROM STA. 323+94.91 TO STA. 323+23.33 1,143 L.F. (A005)

TOC/TOS (RAMP A) +06.40 297.24' (A005)

RAMP A-S. 65TH W. AVE STA. 1324+58.25 BEGIN RAMP

PC RAMP A-65TH 1325+03.30

℄ RAMP A - S. 65TH W. AVE

PI RAMP A-65TH 1330+05.54

MATCHLINE STA. 1330+00 ℄ RAMP A-S. 65TH W. AVE ℄ KEYSTONE EXPRESSWAY

BEGIN TAPER ℄ KEYSTONE A005 STA. 319+20.00 56.00' RT.

END TAPER ℄ KEYSTONE A005 STA. 322+20.00 68.00' RT.

BEGIN TAPER ℄ KEYSTONE A005 STA. 324+60.00 56.00' LT

END TAPER ℄ KEYSTONE A005 STA. 327+60.00 68.00' LT.

SAW CUT 56 FT. LT.

SAW CUT 56 FT. RT.

CONCRETE BARRIER

℄ RAMP B-S. 65TH W. AVE STA.2320+49.16 BEGIN CONCRETE BARRIER

℄ RAMP B-S. 65TH W. AVE STA. 2324+30.00 BEGIN SHOULDER

℄ RAMP B-S. 65TH W. AVE STA.2320+44.63 TO STA. 2324+17.38 INSTALL GUARDRAIL W/G.E.T.

PI RAMP B-S. 65TH W. AVE. 2323+34.15

PT RAMP B-S. 65TH W. AVE. 2324+99.46

PC RAMP B-S. 65TH W. AVE. 2326+79.18

PI RAMP B-S. 65TH W. AVE. 2328+47.92

PI RAMP B-S. 65TH W. AVE. 2318+50.49

PT RAMP B-S. 65TH W. AVE. 2319+36.85

PC RAMP B-S. 65TH W. AVE. 2321+66.48

PI RAMP B-S. 65TH W. AVE. 2320+42.63

POB S. 65TH W. AVE. 5329+75.00

PCC S. 65TH W. AVE. 5329+90.75

MATCHLINE STA. 5330+00 ℄ RAMP B-S. 65TH W. AVE ℄ KEYSTONE EXPRESSWAY

PI KEYSTONE SURVEY 315+75.48

PT KEYSTONE SURVEY 322+01.24

PC KEYSTONE SURVEY 326+92.58

WB KEYSTONE EXPRESSWAY

EB KEYSTONE EXPRESSWAY

WB OFF RAMP

EB ON RAMP

EB OFF RAMP

RAMP B - S. 65TH W. AVE

W 3RD STREET

W 4TH PLACE

S. 65TH W. AVE

HARLOW CREEK

HARLOW CREEK COMPENSATORY STORAGE GRADING

MH301 303 MH302 302 MH303 301

RP-30 RP-32 RP-33 RP-34 CP-202

PRES.R/W R/W

SUPPORTING SHEETS LIST

GEOMETRIC DATA R004 TO R041
PROFILE SHEETS R090 TO R101

50% plans

KEYSTONE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN SHEET
(SHEET 1 OF 5)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17
DETAILED	BWH	7/17
CHECKED	NAB	10/17

CONTRACT NO. GCT-2500

DATE: 10/30/2017 SHEET NO. R085

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PROFILE SHEETS R090 TO R101

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A005 SURVEY ℄.

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℄, ℄.

SEC 5 T19N R12E

CONSTRUCT FENCE STYLE WWF FROM STA. 333+57.27 TO STA. 350+48.63 1,968 L.F. (A005)

0 50 100 150 SCALE

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

LEGEND
- PROPOSED PAVEMENT
- TRAIL
- XXX DRAINAGE STRUCTURE
- CABLE BARRIER
- XXX PARCEL #
- LIGHT POLE
- BORE HOLE

TEMP. R/W TO CONST. DRAINAGE STRUCTURE AND GRADING

CONSTRUCT FENCE STYLE WWF FROM STA. 323+94.91 TO STA. 333+23.33 1,143 L.F. (A005)

HARLOW CREEK COMPENSITORY STORAGE GRADING

SAW CUT 56' LT.

SAW CUT 56' RT.

℄ RAMP A-S. 65TH W. AVE

℄ RAMP B-S. 65TH W. AVE

℄ N. C-D

℄ S. C-D

℄ NORTH C-D

℄ SOUTH C-D

℄ KEYSTONE EXPRESSWAY

℄ SURVEY

WB KEYSTONE EXPRESSWAY

EB KEYSTONE EXPRESSWAY

MATCHLINE STA. 330+00.00 KEYSTONE EXPRESSWAY

MATCHLINE STA. 345+00.00 KEYSTONE EXPRESSWAY

MATCHLINE STA. 1330+00 RAMP A-65TH

MATCHLINE STA. 6345+00.00 NORTH C-D

MATCHLINE STA. 5345+00.00 SOUTH C-D

PRC KEYSTONE SURVEY 343+96.63

PRC RAMP A-65TH 1330+00

PCC RAMP A-65TH 1334+97.69

PT RAMP A-65TH 1339+46.89

PRC S. C-D 5330+00.00

PRC S. C-D 5330+20.00

PI S. C-D 5330+05.38

PRC RAMP B S. 65TH W. AVE. 2330+16.41

PI RAMP B S. 65TH W. AVE. 2332+15.53

PRC S. C-D 5332+66.79

PI N. C-D 6333+23.50

PRC RAMP B S. 65TH W. AVE. 2334+14.61

PI RAMP B S. 65TH W. AVE. 2335+61.39

PCC N. C-D 6334+56.93

PI S. C-D 5335+13.51

PRC S. C-D 5335+00

PI N. C-D 6335+00

PI S. C-D 5336+75.43

PT RAMP B S. 65TH W. AVE. 2337+07.03

PI N. C-D 6336+47.50

PI RAMP A-65TH 1337+24.65

PT S. C-D 5338+35.97

PI RAMP B S. 65TH W. AVE. 2338+35.97

POE RAMP B-65TH 2338+94.00

PC S. C-D 5340+90.57

PI S. C-D 5342+79.51

PI S. C-D 5344+62.38

PT N. C-D 6340+12.89

PT S. C-D 5340+00

TOC/TOS (RAMP A)

TOC/TOS (NORTH C-D)

TOC/TOS (SOUTH C-D)

MH304 MH305 MH306 MH307

305 306 307 308 309

RD-10 RD-11 RD-12 RD-17 RD-31

2'DIA CNC Base Typ.

HARLOW CREEK TRIBUTARY

E/W 595 1/4 SECTION LINE

S89°43'14.76"E 2663.95'

N45°59'48.28"E 744.05'

OIL RIG RUNNING

RETAINING WALL

Misc Oil Derrick

Chain-Link Fence

Barbed-Wire Fence

Concrete

Gravel

Strand

Drill Shaft

Tank

OIL WELL

DISPOSAL WELL

MISC OIL EQUIP.

Misc. Sign

2-Guy Anchors

3-Guy Anchors

PRES. R/W

YPRES R/W

50% plans

KEYSTONE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN SHEET
(SHEET 2 OF 5)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R086

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PROFILE SHEETS R090 TO R101

P I N. C-D
6348+05.35

TOC/TOS
(NORTH C-D)

℄ NORTH C-D

RD-19

MATCHLINE
STA. 6345+00.00
NORTH C-D

PRES.R/W

DRILL SHAFT

MH-214

P T N. C-D
6351+18.16

6350+00

SEC 5 T19N R12E

6'X5' RCB

15

251

RAISED
ISLAND

6355+00

TOC/TOS
(NORTH C-D)

PI KEYSTONE
SURVEY 357+33.7

Chain-Link Fence

℄ NORTH C-D

RETAINING WALL
STA. 6353+03.45 TO
STA. 6359+60.00

INSTALL IMPACT
ATTENUATOR

6360+00

MATCHLINE
STA. 6360+50
NORTH C-D

5'X2' RCB

14

2'DIA CNC Base Typ.

BRIDGE 'U'

BRIDGE 'V'

℄ KEYSTONE
STA. 348+16.18
BEGIN CONCRETE
BARRIER

WB KEYSTONE EXPRESSWAY

TOC/TOS
(NORTH C-D)

℄ KEYSTONE
STA. 350+75.35
END CONCRETE
BARRIER

EB KEYSTONE EXPRESSWAY

A005

℄ KEYSTONE EXPRESSWAY

MATCHLINE STA. 345+00
KEYSTONE EXPRESSWAY

360+00

5'X2' RCB

13

C.R.L. GILCREASE EXPRESSWAY

OIL RIG
RUNNING

N-S 3905
1/4 SECTION LINE

Gravel

ALL PROPOSED CONSTRUCTION
FEATURE CALLOUTS BASED ON
PROPOSED C.R.L., ℄, ℄.

2088.97'
S0°24'52.36"E

MATCHLINE
STA. 5345+00.00
SOUTH C-D

RAISED
ISLAND

310

5350+00

P C S. C-D
5350+33.86

℄ SOUTH C-D

TOC/TOS
SOUTH C-D

P T S. C-D
5354+13.27

5355+00

311

RAISED
ISLAND

℄ SURVEY A001

RD-13

TOC/TOS
(SOUTH C-D)

CONSTRUCT FENCE
STYLE WWF FROM
STA. 345+56.94 TO
STA. 377+90.27
3,230 L.F. (A005)

P I S. C-D
5352+26.78

DIMENSIONS AND STATIONING FOR
PRESENT/PROPOSED R/W, FENCING,
AND BUILDING CORNERS BASED ON
SURVEY ℄ AS LABELED. WHEN NOT
LABELED BASED ON A005 SURVEY ℄.

+21.30
536.27'

SEC 5 T19N R12E

POB RAMP C
S. 49TH W. AVE.
335°
+94.62

P C RAMP C
S. 49TH W. AVE.
3358+69.62

MATCHLINE
STA. 5359+00
SOUTH C-D

℄ RAMP C
S. 49TH W. AVE.

+44.92
392.86'

W. AVE.

MATCHLINE STA. 359+00
KEYSTONE EXPRESSWAY

0 50 100 150
SCALE

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

LEGEND

- PROPOSED PAVEMENT
- TRAIL
- DRAINAGE STRUCTURE
- CABLE BARRIER
- PARCEL #
- LIGHT POLE
- BORE HOLE

50% plans

KEYSTONE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN SHEET
(SHEET 3 OF 5)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R087

SEC 5 T19N R12E

CONSTRUCT FENCE
STYLE WWF
STA. 357+92.30 TO
STA. 375+64.31
2,286 L.F. (A005)

℄ RAMP D
N. 49TH W. AVE

℄ W. EASTON AVE.

℄ NORTH C-D

℄ SOUTH C-D

℄ RAMP C
N. 49TH W. AVE

℄ RAMP C-N. 49TH W. AVE

℄ KEYSTONE A005
STA. 362+60.00,
56.00' LT

℄ S. C-D STA. 5365+94.68
℄ KEYSTONE STA. 366+45.00, 68+00' RT.

℄ KEYSTONE A005 STA. 372+25.00
68.00' RT. BEGIN TAPER

PT RAMP C
N. 49TH W. AVE.
3365+05.27

TOC/TOS (RAMP C)

TOC/TOS (SOUTH C-D)

TOC/TOS (W. EASTON AVE.)

CONSTRUCT FENCE
STYLE WWF
STA. 345+56.94 TO
STA. 377+90.27
3,230 L.F. (A005)

SEC 5 T19N R12E

MATCHLINE STA. 359+00 KEYSTONE EXPRESSWAY

MATCHLINE STA. 6360+50 NORTH C-D

MATCHLINE STA. 5359+00 SOUTH C-D

MATCHLINE STA. 3373+00 KEYSTONE EXPRESSWAY

MATCHLINE STA. 4375+50 RAMP D-N. 49TH W. AVE

MATCHLINE STA. 3373+00 RAMP C-N. 49TH W. AVE

PI RAMP D 49TH W. AVE N. 4362+15.94

PC RAMP D 49TH W. AVE N. 4364+29.31

PI RAMP D N. 49TH W. AVE. 4365+64.23

PT RAMP D N. 49TH W. AVE. 4366+97.52

PI N. C-D 6363+63.70

PC N. C-D 6362+15.94

PT N. C-D 6365+09.68

PI RAMP C 49TH W. AVE N. 3362+03.18

PC S. C-D 5362+63.49

PT S. C-D 5365+94.68

PI N. C-D 6371+50.93

POE N. C-D 6372+00.27

PC S. C-D 5359+06.07

PI RAMP C N. 49TH W. AVE 3365+09.33

PT RAMP C N. 49TH W. AVE 3365+00

RP-39 RP-37 RP-20 RD-14 RD-20

MH308 MH309 MH310 MH311 MH312

312 313 314 316 317 318 319 323

670 671

SAW CUT 56' LT.

SAW CUT 56' RT.

WB KEYSTONE EXPRESSWAY

EB KEYSTONE EXPRESSWAY

EB OFF RAMP

EASTON STREET

N. 51ST W. AVE

6" CURB & GUTTER

EXISTING OVERHEAD SIGN

OVERHEAD SIGN

SUPPORTING SHEETS LIST

GEOMETRIC DATA R004 TO R041
PROFILE SHEETS R090 TO R101

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A005 SURVEY ℄.

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℞, ℄.

LEGEND

- PROPOSED PAVEMENT
- TRAIL
- XXX DRAINAGE STRUCTURE
- CABLE BARRIER
- XXX PARCEL #
- LIGHT POLE
- BORE HOLE

OKLAHOMA TURNPIKE AUTHORITY

SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SCALE 0 50 100 150

50% plans

KEYSTONE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN SHEET
(SHEET 4 OF 5)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500
DETAILED	BWH	7/17	
CHECKED	NAB	10/17	DATE: 10/30/2017 SHEET NO. R088

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A005 SURVEY ℄.

SEC 5 T19N R12E

SEC 4 T19N R12E

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PROFILE SHEETS R090 TO R101

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℄.

0 50 100 150
SCALE

LEGEND
- PROPOSED PAVEMENT
- TRAIL
- DRAINAGE STRUCTURE
- CABLE BARRIER
- PARCEL #
- LIGHT POLE
- BORE HOLE

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

W EASTON ST
EASTON PLACE
PRES.R/W
PC RAMP D N. 49TH W. AVE. 4376+57.44
PT RAMP D N. 49TH W. AVE. 4379+03.40
℄ RAMP D-N. 49TH W. AVE
CONSTRUCT FENCE STYLE WWF STA. 357+92.30 TO STA. 375+62.53 2,286 L.F. (A005)
℄ RAMP D-N. 49TH W. AVE STA. 4375+89.00 BEGIN 6" CURB & GUTTER
+69.38 238.76' (A005)
+69.31 219.11' (A005)
+64.31 218.85' (A005)
+94.62 277.11' (A005)
+37.13 228.10' (A005)
Elec.Box 1.5 Square/to Lighting
Elec.Box 1.5 Square/to Lighting +81.45 245.25' (A005)
Fiber Optic Box AT&T
Sign No Left Turn I-Phase
Sign Stop
Sign Faith Bible School
5-Guy Anchors
W/OH Cable Tele
W/3-Phase
Sign Church Billboard
Sign LPD
Misc Clothesline pole
Fence Post
Bollard
DRILL SHAFT
TOC/TOS (RAMP D)
327
324
325
326
RP-40
2' DIA.CNC BASE TYP
MH315
MH316
MH317
WB ON RAMP
MATCHLINE STA. 4375+50 RAMP D N. 49TH W. AVE
RAMP D-N. 49TH W. AVE STA. 4379+66.77 END RAMP D
KEYSTONE STA. 372+76.54 TO KEYSTONE STA. 377+83.13 INSTALL GUARDRAIL
Sign Merge
SAW CUT 56' LT
℄ KEYSTONE STA. 374+46.99, 68.00' LT BEGIN TAPER
KEYSTONE STA. 377+46.99, 56.00' LT END TAPER
℄ KEYSTONE STA. 377+46.99, 56.00' RT END TAPER
SAW CUT 56' RT
MATCHLINE STA. 373+00 KEYSTONE EXPRESSWAY
PI RAMP C N. 49TH W. AVE. 3374+69.73
PI RAMP D N. 49TH W. AVE. 4377+81.05
Misc Conduit
Sign City Limit Down
Fiber Optic Box
Conc.Ditch
Conc.Wall
Conc.Pad
Conc.Curb
2 DIA Traff.Signal
WB OFF RAMP
WB KEYSTONE EXPRESSWAY
℄ SURVEY A005
KEYSTONE EXPRESSWAY
2828.52'
N88°30'10.3"E
EB KEYSTONE EXPRESSWAY
Sign Hwy
Sign Do Not Enter
Concrete
EXISTING LIMITS OF NO ACCESS
MATCHLINE STA. 3373+00 RAMP C-N. 49TH W. AVE.
EB OFF RAMP
6' CURB & GUTTER
320
321
RP-38
℄ RAMP C-N. 49TH W. AVE
Sign Wrong Way
Sign Merge
Sign Hwy
Sign Stop
MH313
MH314
322
TOC/TOS (RAMP C)
EB ON RAMP
N.S. 391 SECTION LINE
49TH WEST AVENUE
Chain Link Fence
+48.52 225.82' (A005)
+57.29 243.25' (A005)
+90.63 316.85' (A005)
+97.65 307.75' (A005)
CONSTRUCT FENCE STYLE WWF STA. 345+56.94 TO STA. 377+90.27 3,230 L.F. (A005)
PC RAMP C-49TH 3373+35.87
PT RAMP C-49TH 3376+02.61
RAMP C-N. 49TH W. AVE STA. 3377+15.98 END RAMP C
N 00°17'24.95" E 500.00'
FH
4-GUARD POST
SEC 5 T19N R12E
SEC 4 T19N R12E

50% plans

KEYSTONE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN SHEET
(SHEET 5 OF 5)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R089

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PLAN SHEETS R085 TO R089

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

LEGEND
- EXIST. GRADE @
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

PVI STA 1327+50.00
EL 692.44 BERM LT.

+58.25 S=2.00% (NC)
+82.30 S=2.00% (NC)
TRANS.
+30.30 S=+3.60%
NORMAL CROWN S=+2.00%
FULL SUPER S=+3.60%
PVI STA 1327+50.00
EL 687.74 SWALE LT.
-5.00%
-5.04%
BERM LEFT
PVI STA 1331+00.00
EL 674.81 BERM LT.
L= 460.00'
K= 97.46
PVI STA 1329+20.00
EL 679.24 SWALE LT.
-6.00%
SWALE DITCH LEFT
PVI STA 1324+58.25
EL 667.14
PVC STA 1324+70.00
EL 666.63
-2.30%
EXIST. GRADE @ RAMP A S.65TH W.AVE.
PVT STA 1328+91.02
EL 657.54
PVT STA 1329+30.00
EL 657.62
FINISHED PROFILE GRADE @ RAMP A-S. 65TH W. AVE.
3.00%
PVI STA 1331+80.00
EL 663.64 SWALE LT.
MATCHLINE STA. 1332+00 THIS SHEET
0.40%
-0.30%
SPECIAL DITCH LEFT
PVI STA 1329+00.00
EL 653.62 SP DT LT.
PVI STA 1327+00.00
EL 666.70

EXIST. 685.2 680.8 675.5 672.0 665.3 665.38 668.7 661.88 668.5 659.41 663.7 657.96 667.7 657.54 656.7 657.90 655.6 658.30 652.5 658.70
PROP.

1319 1320+00 1321 1322 1323 1324 1325+00 1326 1327 1328 1329 1330+00 1331 1332

50% plans

FULL SUPER S=3.60%
TRANS.
+37.69 S=+3.60%
+97.69 S=+5.60%
FULL SUPER S=+5.60%
+04.89 S=+5.60%
TRANS.
+12.89 S=2.00% (NC)
VARIABLE GRADE
PVI STA 1340+12.89
EL 669.58
PVI STA 1334+25.00
EL 659.60
EXIST. GRADE @ RAMP A S.65TH W.AVE.
SWALE DITCH LEFT
1.00%
PVI STA 1332+35.00
EL 664.85 SWALE LT.
PVI STA 1332+13.00
EL 664.63 SWALE LT.
FINISHED PROFILE GRADE @ RAMP A-S. 65TH W. AVE.
0.40%
MATCHLINE STA. 1332+00 THIS SHEET
SPECIAL DITCH LEFT
BRIDGE 'W' PROP. 3-10'x10' RCB EXTENSION (LT)
PVI STA 1332+60.00
EL 652.44 SP DT LT.
PVI STA 1333+64.00
EL 643.54 SP DT LT.
0.94%
PVI STA 1337+60.00
EL 647.27 SP DT LT.
3.60%
SPECIAL DITCH LEFT
SEE SHEET R093 FOR CONTINUED SPECIAL DITCH LEFT
PVI STA 1340+12.89
EL 656.37 SP DT LT.

EXIST. 652.5 658.70 652.1 659.10 652.7 659.50 655.0 659.90 655.1 660.58 652.0 661.64 664.1 663.10 667.3 665.48 664.8 669.06
PROP.

1332 1333 1334 1335+00 1336 1337 1338 1339 1340+00 1341 1342 1343 1244

SCALE: HORIZ.: 1"=50' VERT.: 1"=5'

RAMP A-S. 65TH W. AVE.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET
(SHEET 1 OF 12)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R090

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PLAN SHEETS R085 TO R089

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

LEGEND
- EXIST.GRADE ℄
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

+44.63 S=-0.29% | TRANSITION | +09.98 S=+5.80% | FULL SUPER S=+5.80% | +44.00 S=+5.80% | TRANSITION | +18.00 S=0.00% | +08.00 S=-3.00% | FULL SUPER S=-3.00% | +93.91 S=-3.00% | TRANSITON

L= 400.00'
K= 104.17

PVI STA 2320+44.63 EL 666.60
PVC STA 2321+50.00 EL 663.43
LO STA 2324+62.50 EL 658.75
PVT STA 2325+50.00 EL 659.11

-3.00% | -3.00% | 0.84% | 0.84%

FINISHED PROFILE GRADE ℄ RAMP B-S. 65TH W. AVE.

EXIST.GRADE ℄ RAMP B S.65TH W.AVE.

1.29%

SPECIAL DITCH LEFT

PVI STA 2320+44.63 EL 664.17 SP DT LT.
PVI STA 2322+50.00 EL 656.82 SP DT LT.
PVI STA 2323+50.00 EL 657.43

MATCHLINE STA. 2330+00 THIS SHEET

	2317	2318	2319	2320+00	2321	2322	2323	2324	2325+00	2326	2327	2328	2329	2330+00
EXIST.			672.6	670.7	667.9	665.0	662.3	660.3	658.0	656.0	653.4	657.7	658.0	658.3
PROP.						664.93	662.05	660.01	658.93	658.81	659.53	661.21	662.05	662.89

50% plans

REVERSE CROWN S=-2.00% | TRANSITION | +23.91 S=-2.00% (RC) | +30.00 S=-2.00% (RC) | TRANSITION | +55.40 S=-5.40% | FULL SUPER S=-5.40% | +66.53 S=-5.40% | TRANSITION | +68.53 S=-2.00% (RC) | REVERSE CROWN S=-2.00% | +94.00 S=-2.00% (RC)

VARIABLE GRADE

PVI STA 2332+00.00 EL 664.57
PVI STA 2336+12.37 EL 666.80
PVI STA 2338+94.00 EL 667.53

FINISHED PROFILE GRADE ℄ RAMP B-S. 65TH W. AVE.

0.54%

SPECIAL DITCH RIGHT

1.32% | 2.52%

SEE SHEET R097 FOR CONTINUED SPECIAL DITCH RIGHT

PVC STA 2331+00.00 EL 663.73
PVT STA 2333+00.00 EL 665.11

EXIST.GRADE ℄ RAMP B S.65TH W.AVE.

MATCHLINE STA. 2330+00 THIS SHEET

L= 200.00'
K= 666.67

BRIDGE 'W' PROP. 3-10'x10' RCB EXTENSION (RT)

PVI STA 2336+90.00 EL 663.01 SP DT RT.
PVI STA 2338+22.00 EL 661.27 SP DT RT.
PVI STA 2338+94.00 EL 663.08 SP DT RT.

SCALE: HORIZ.: 1"=50' VERT.: 1"=5'

	2330+00	2331	2332	2333	2334	2335+00	2336	2337	2338	2339	2340+00	2341	2342
EXIST.	658.3	656.6	653.8	648.1	653.0	654.5	655.9	669.3	677.4				
PROP.	662.89	663.73	664.50	665.11	665.65	666.19	666.73	666.81	666.84				

RAMP B-S. 65TH W. AVE.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET
(SHEET 2 OF 12)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R091

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PLAN SHEETS R085 TO R089

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

LEGEND
- EXIST.GRADE ℄
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

50% plans

+07.00 S=+3.90%
+40.00 S=+5.00%
FULL SUPER S=+5.00%
TRANSITION
L= 300.00'
K= 107.14
VARIABLE GRADE
PVI STA 6333+07.00 EL 660.30
FINISHED PROFILE GRADE ℄ NORTH C-D
PVI STA 6336+08.96 EL 661.61
PVC STA 6337+00.00 EL 662.38
0.84%
0.84%
EXIST.GRADE ℄ NORTH C-D
BRIDGE 'W' PROP. 3-10'x10' RCB EXTENSION SEE SHEET R090 FOR SPECIAL DITCH
EXIST. 3-10'x10' RCB
FL 640.67
FL 640.45
FL 639.46

SCALE: HORIZ.: 1"=50' VERT.: 1"=5'

EXIST.
PROP.

659.4 659.2 659.5 659.6 659.9 660.4 660.8 660.49 660.7 660.94
659.3 661.54 655.9 662.38 664.3 663.71

6323 6324 6325+00 6326 6327 6328 6329 6330+00 6331 6332 6333 6334 6335+00 6336 6337 6338

NORTH C-D

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET
(SHEET 3 OF 12)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R092

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SUPPORTING SHEETS LIST	
GEOMETRIC DATA	R004 TO R041
PLAN SHEETS	R085 TO R089

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

LEGEND
- *EXIST.GRADE ℄*
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

50% plans

SCALE:
HORIZ.: 1"=50'
VERT.: 1"=5'

FULL SUPER S=+5.00% | TRANSITION | NORMAL CROWN S=2.00% | TRANSITION | FULL SUPER S=-6.00% | TRANSITION | MAINTAIN S=-2.63%

+09.39 S=+5.00%
+99.39 S=+2.00% (NC)
+61.93 S=+2.00% (NC)
+01.93 S=-6.00%
+73.16 S=-6.00%
+74.28 S=-2.63%

FINISH GRADE GILCREASE EXPRESSWAY

FINISHED PROFILE GRADE ℄ NORTH C-D

PVC STA 6349+75.00 EL 705.94
PVT STA 6351+75.00 EL 712.38
PVI STA 6350+75.00 EL 709.70
PVI STA 6351+96.31 EL 712.95
PVI STA 6352+47.38 EL 713.82
PVI STA 6352+98.47 EL 713.93

L= 200.00'
K= 185.19

3.76% | 2.68% | 1.71% | 0.21%

EXIST.GRADE ℄ NORTH C-D

PVT STA 6340+00.00 EL 669.28

L= 300.00'
K= 102.74

PVI STA 6338+50.00 EL 663.64
PVI STA 6338+50.00 SP DT RT. EL 661.48

0.84% | 3.64% | 3.04%

SPECIAL DITCH LEFT NORTH C-D

PVI STA 6339+30.00 EL 663.91 SP DT RT.

SEE SHEET R090 FOR CONTINUED SPECIAL DITCH LT.

PVI STA 6340+12.89 EL 656.37 SP DT LT.

PVI STA 6340+30.00 EL 656.99 SP DT LT.

PVI STA 6342+00.00 EL 672.22 SP DT LT.

8.96% | 4.60%

	6338	6339	6340+00	6341	6342	6343	6344	6345+00	6346	6347	6348	6349	6350+00	6351	6352	6353
EXIST.	664.3	668.6	665.8	669.8	675.7	677.9	678.2	678.9	679.0	677.3	675.7	675.4	676.7	676.9	677.8	678.0
PROP.	663.71	666.01	669.28	673.04	676.80	680.56	684.32	688.08	691.84	695.60	699.36	703.12	706.86	710.22	713.01	713.92

NORTH C-D

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET
(SHEET 4 OF 12)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500
DETAILED	BWH	7/17	
CHECKED	NAB	10/17	DATE: 10/30/2017

SHEET NO. R093

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PLAN SHEETS R085 TO R089

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

LEGEND
- *EXIST.GRADE @*
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

SCALE:
HORIZ.: 1"=50'
VERT.: 1"=5'

MAINTAIN S=2.63% | +80.00 S=-2.63% | TRANSITION | +19.00 S=+2.00% (NC) | NORMAL CROWN S=+2.00% | +25.44 S=+2.00% (NC) | TRANSITION | +59.44 S=-5.80% | FULL SUPER S=-5.80% | +66.18 S=-5.80% | TRANSITION | +80.18 S=-2.00% (RC) | REVERSE CROWN S=-2.00%

PVC STA 6353+00.00 EL 713.92
PVI STA 6354+50.00 EL 712.72
PVT STA 6356+00.00 EL 706.18
PVC STA 6359+25.00 EL 692.01
PVI STA 6363+51.61 EL682.71
PVT STA 6364+25.00 EL 682.98
PVI STA 6367+67.68 EL 685.55

-0.80% | -0.80% | -4.36% | -4.36% | -4.36% | 0.75% | 0.75%

L= 300.00'
K= 84.27

L= 500.00'
K= 97.85

VARIABLE GRADE

FINISHED PROFILE GRADE @ NORTH C-D

EXIST.GRADE @ NORTH C-D

SPECIAL DITCH RIGHT | 0.18% | 0.49%

SPECIAL DITCH RIGHT | 0.61% | 0.50% | 0.30%

SPECIAL DITCH LEFT SEE SHEET **R101** FOR CONTINUED SPECIAL DITCH (LT)

PVI STA 6353+78.00 EL 674.13 SP DT RT.
PVI STA 6354+45.09 EL 673.66 SP DT LT.
PVI STA 6356+00.00 EL 674.53 SP DT RT.
PVI STA 6358+00.00 EL 675.75 SP DT RT.
PVI STA 6358+00.00 EL 674.81 SP DT LT.
PVI STA 6361+45.44 EL 675.85 SP DT LT.
PVI STA 6361+75.00 EL 681.11
PVI STA 6362+70.00 EL 678.11 SP DT RT.

	6353	6354	6355+00	6356	6357	6358	6359	6360+00	6361	6362	6363	6364	6365+00	6366	6367	6368
EXIST.	678.0	678.3	678.5	678.8	680.3	680.8	682.3	682.9	683.5	683.7	684.1	684.4	686.4	686.4	684.4	684.3
PROP.	713.92	712.52	709.94	706.18	701.82	697.46	693.10	689.02	685.94	683.88	682.84	682.83	683.54	684.29	685.04	685.76

NORTH C-D

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET
(SHEET 5 OF 12)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R094

50% plans

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PLAN SHEETS R085 TO R089

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

LEGEND

- *EXIST.GRADE ℄*
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

OKLAHOMA TURNPIKE AUTHORITY

SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

REVERSE CROWN S=-2.00%

+00.27 S=-2.00% (RC)

VARIABLE GRADE

+00.00 PVI STA 6372+00.00 EL 687.55

FINISHED PROFILE GRADE ℄ NORTH C-D

EXIST.GRADE ℄ NORTH C-D

SCALE: HORIZ.: 1"=50' VERT.: 1"=5'

50% plans

	EXIST.	PROP.
6368	684.9	685.76
6369	686.0	686.24
6370+00	686.9	686.72
6371	687.4	687.16
6372	687.7	687.55
6373	687.8	
6374	687.8	
6375+00	688.1	
6376	688.7	

NORTH C-D

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET
(SHEET 6 OF 12)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500
DETAILED	BWH	7/17	
CHECKED	NAB	10/17	DATE: 10/30/2017 SHEET NO. R095

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PLAN SHEETS R085 TO R089

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

LEGEND
- *EXIST.GRADE ℄*
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

50% plans

SCALE:
HORIZ.: 1"=50'
VERT.: 1"=5'

+90.75 S=-3.90% TRANSITION
+47.75 S=-2.00% (RC)
REVERSE CROWN S=-2.00%
+41.17 S=-2.00% (RC)
TRANS.
VARIABLE GRADE
PVI STA 5329+90.75 EL 663.09
PVI STA 5333+55.11 EL 664.49
FINISHED PROFILE GRADE ℄ SOUTH C-D
0.50%
EXIST.GRADE ℄ SOUTH C-D
BRIDGE 'W'
PROP. 3-10'x10' RCB
EXTENSION (RT)
EXIST. 3-10'x10' RCB
FL 640.45
FL 639.46
FL 638.98

EXIST. 659.5 660.0 660.2 660.7 661.8 662.5 662.9 663.1 663.4 663.3
PROP. 663.07 663.13 663.60

664.15 664.65 665.15

5320+00 5321 5322 5323 5324 5325+00 5326 5327 5328 5329 5330+00 5331 5332 5333 5334 5335+00

SOUTH C-D

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET
(SHEET 7 OF 12)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R096

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PLAN SHEETS R085 TO R089

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

LEGEND
- *EXIST.GRADE @*
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

50% plans

TRANSITION | +63.01 S=-5.20% | FULL SUPER S=-5.20% | +98.00 S=-5.20% | TRANSITION | +34.00 S=+6.00% | FULL SUPER S=+6.00% | +17.38 S=+6.00% | TRANSITION | +41.96 S=+1.85% | MAINTAIN S=+1.85% | +42.86 S=+1.85% | TRANSITION

FINISHED GRADE GILCREASE EXPRESSWAY

L= 350.00'
K= 110.76

L= 180.00'
K= 96.26

EXIST.GRADE @ SOUTH C-D

FINISHED PROFILE GRADE @ SOUTH C-D

PVC STA 5338+25.00 EL 666.84
PVT STA 5341+75.00 EL 674.12
PVI STA 5335+50.00 EL 661.44 SP DT LT.
PVI STA 5338+40.00 EL 660.90 SP DT LT.
PVI STA 5338+94.00 EL 663.08 SP DT RT.
PVI STA 5339+25.00 EL 663.86 SP DT RT.
PVI STA 5340+00.00 EL 667.72
PVI STA 5346+55.15 EL 691.70
PVI STA 5347+06.22
PVI STA 5347+57.31 EL 692.64
PVC STA 5347+60.00 EL 692.62
PVI STA 5348+32.19 EL 692.35
PVT STA 5348+50.00 EL 691.95
PVT STA 5349+40.00 EL 692.95

0.50% | -0.19% | 2.52% | 0.50% | 3.66% | -0.75% | -0.75% | 1.12% | 1.12%

SPECIAL DITCH RIGHT
SPECIAL DITCH LEFT

SEE SHEET R091 FOR CONTINUED SPECIAL DITCH (RT)

	5335+00	5336	5337	5338	5339	5340+00	5341	5342	5343	5344	5345+00	5346	5347
EXIST.	655.0	659.7	671.2	678.0	679.1	679.6	680.6	683.6	689.6	696.4	696.9	697.2	699.4
PROP.	665.15	665.65	666.15	666.65	667.42	669.15	671.84	675.49	679.41	683.33	687.17	690.45	692.73

	5348	5349	5350+00
	700.3	700.8	701.8
	692.67	692.79	693.75

SCALE: HORIZ.: 1"=50' VERT.: 1"=5'

SOUTH C-D

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET
(SHEET 8 OF 12)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500
DETAILED	BWH	7/17	
CHECKED	NAB	10/17	DATE: 10/30/2017 SHEET NO. R097

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PLAN SHEETS R085 TO R089

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

LEGEND
- *EXIST.GRADE ℄*
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

50% plans

SCALE:
HORIZ.: 1"=50'
VERT.: 1"=5'

TRANSITION +78.86 S=-6.00%
FULL SUPER S=-6.00%
+68.27 S=-6.00%
TRANSITION
+08.27 S=+2.00% (NC)
NORMAL CROWN S=2.00%
+35.57 S=+2.00% (NC)
TRANSITION
+49.57 S=+5.80%
FULL SUPER S=+5.80%

FINISHED PROFILE GRADE ℄ SOUTH C-D
EXIST. GRADE ℄ SOUTH C-D
PVI STA 5353+00.00 EL 696.99
-1.12%
-2.48%
L= 400.00'
K= 111.11
L= 400.00'
K= 114.94
VARIABLE GRADE
1.12%
-2.48%
1.00%
0.26%

PVC STA 5351+00.00 EL 694.75
HI 5352+24.44 EL695.44
PVT STA 5355+00.00 EL 692.03
PVC STA 5359+00.00 EL 682.11
HO STA 536 +85.06 EL678.57
PVT STA 5363+00.00 EL 679.15
PVI STA 5363+97.54 EL 680.12
PVI STA 5361+00.00 EL 677.15
PVI STA 5361+00.00 EL 676.17 SP DT LT.
PVI STA 5362+30.00 EL 676.51 SP DT LT.
SPECIAL DITCH LEFT

	EXIST.	PROP.
5350+00	701.8	693.75
5351	700.0	694.79
5352	697.7	695.39
5353	695.1	695.11
5354	694.1	693.95
5355+00	692.2	691.91
5356	688.9	689.43
5357	689.3	686.95
5358	690.0	684.47
5359	698.2	681.99
5360+00	697.7	679.95
5361	695.4	678.79
5362	686.2	678.51
5363	679.7	679.11
5364	679.2	680.15
5365+00	681.5	681.19

SOUTH C-D

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET
(SHEET 9 OF 12)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500
DETAILED	BWH	7/17	
CHECKED	NAB	10/17	DATE: 10/30/2017

SHEET NO. R098

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PLAN SHEETS R085 TO R089

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

LEGEND

- *EXIST.GRADE @*
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

OKLAHOMA TURNPIKE AUTHORITY

SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

50% plans

+37.68 S=+5.80%
+94.68 S=+3.90%
TRANSITION
FULL SUPER S=+5.80%
VARIABLE GRADE
PVI STA 5365+94.68 EL 682.21
EXIST.GRADE @ SOUTH C-D
FINISHED PROFILE GRADE @ SOUTH C-D.

SCALE: HORIZ.: 1"=50' VERT.: 1"=5'

EXIST. 681.5 682.4 683.2 683.9 684.8 685.7 686.8
PROP. 681.19

5365+00 5366 5367 5368 5369 5370+00 5371 5372 5373 5374 5375+00 5376 5377 5378 5379 5380+00

SOUTH C-D

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET
(SHEET 10 OF 12)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500
DETAILED	BWH	7/17	
CHECKED	NAB	10/17	DATE: 10/30/2017 SHEET NO. R099

10:55:58 AM L:\2017\17037380 - OTA - Gilcrease Expressway Turnpike\Drawings\OTA-GCT-PROFILE SHEET_KE-S-CD-04.DGN

TULSA COUNTY

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PLAN SHEETS R085 TO R089

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

LEGEND
- EXIST.GRADE ℄
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

+94.62 S=+2.00% (NC) | TRANSITION | +14.62 S=+6.00% | FULL SUPER S=+6.00% | +60.27 S=+6.00% | TRANSITION | +80.27 S=+2.00% (NC) | NORMAL CROWN S=+2.00%

VARIABLE GRADE

PVI STA 3357+94.62
EL 684.42

PVC STA 3361+25.00
EL 677.40

PVI STA 3361+11.03
EL 677.50

L= 250.00'
K= 168.92

LO STA 3362+39.86
EL 677.01

PVI STA 3362+50.00
EL 676.55

PVT STA 3363+75.00
EL 677.55

EXIST.GRADE ℄ RAMP C N.49TH W.AVE.

FINISHED PROFILE GRADE ℄ RAMP C-N. 49THW. AVE.

-0.75% | 0.80% | -0.75% | 0.80%

PVC STA 3366+50.00
EL 679.75

L= 300.00'
K= 127.12

MATCHLINE STA.3367+00 SEE THIS SHEET

EXIST. 699.3 684.27 698.9 681.45 698.6 679.03 697.9 677.57 698.2 677.06 697.4 677.12 694.2 677.75 693.8 678.55 696.5 679.35 695.5 680.06 696.5

PROP.

50% plans

NORMAL CROWN S=+2.00% | TRANSITION | FULL SUPER S=5.60% | TRANSITION | NORMAL CROWN S=-2.00%

+69.87 S=+2.00% (NC) | +77.87 S=+5.60% | +60.61 S=+5.60% | +68.61 S=+2.00% (NC) | +15.98 S=+2.00% (NC)

SCALE:
HORIZ.: 1"=50'
VERT.: 1"=5'

MATCHLINE STA.3367+00 SEE THIS SHEET

PVI STA 3368+00.00
EL 680.95

HI 3367+51.69
EL680.16

0.80% | -1.56%

FINISHED PROFILE GRADE ℄ RAMP C-N. 49TH W. AVE.

PVT STA 3369+50.00
EL 678.61

L= 300.00'
K= 127.12

EXIST.GRADE ℄ RAMP C N.49TH W.AVE.

-1.56%

PVI STA 3377+15.98
EL 666.66

EXIST. 696.5 680.06 696.8 680.07 696.6 679.30 693.2 677.83 692.1 676.27 682.7 674.71 674.9 673.15 672.9 671.59 668.7 670.03 666.7 668.47 666.9 666.91

PROP.

RAMP C-N. 49TH W. AVE

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET
(SHEET 11 OF 12)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500
DETAILED	BWH	7/17	
CHECKED	NAB	10/17	DATE: 10/30/2017 SHEET NO. R100

SUPPORTING SHEETS LIST
GEOMETRIC DATA R001 TO R041
PLAN SHEETS R085 TO R089

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

+45.44 S=-2.00% (RC) — REVERSE CROWN S=+2.00% — +54.31 S=-2.00% (RC) — TRANSITION — +74.31 S=-6.00% — FULL SUPER S=-6.00% — +52.52 S=+6.00% — TRANSITION — +92.52 S=+2.00% (NC) — NORMAL CROWN S=+2.00%

VARIABLE GRADE

PVI STA 4361+45.44
EL 685.06

PVI STA 4363+90.83
EL 683.36

PVI STA 4370+40.00
EL 691.02

EXIST. GRADE @ RAMP D N.49TH W.AVE.

FINISHED PROFILE GRADE @ RAMP D-N. 49TH W. AVE.

1.40%

-2.16%

1.18%

-2.16%

SEE SHEET R094 FOR CONTINUED SPECIAL DITCH

SPECIAL DITCH LEFT

0.18%

1.90%

PVC STA 4368+90.00
EL 689.25

HI 4369+95.99
EL 689.87

PVI STA 4371+90.00
EL 687.78

PVI STA 4372+00.00
EL 683.54 SP DT LT.

MATCHLINE STA.4374+00 SEE THIS SHEET

PVI STA 4361+45.44
EL 675.85 SP DT LT.

PVI STA 4368+62.00
EL 677.13 SP DT LT.

L= 300.00'
K= 89.82

EXIST. PROP.

| | | | |

SEC 32 T19N R12E

CONSTRUCT FENCE STYLE WWF FROM STA. 106+41.22 TO STA. 106+84.09 99 L.F. (A001)

CONSTRUCT FENCE STYLE WWF FROM STA. 105+58.38 TO STA. 106+25.55 99 L.F. (A001)

STA. 1105+15.00
BEGIN CONSTRUCTION
RAMP A-W. 51ST ST.

PI RAMP A-W. 51ST ST. 1106+45.40

PT RAMP A-W. 51ST ST. 1107+75.52

+55.47 471.90' (A010)

PRES.R/W

105+00

2-6'X4' RCB

RP-9

36'

4'

GILCREASE EXPRESSWAY

STA. 1108+00

SEC 32 T19N R12E

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PROFILE SHEET R103

LEGEND

- PROPOSED PAVEMENT
- TRAIL
- XXX DRAINAGE STRUCTURE
- CABLE BARRIER
- XXX PARCEL #
- LIGHT POLE
- BORE HOLE

0 50 100 150
SCALE

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℄, ℄.

50% plans

CONSTRUCT FENCE STYLE WWF FROM STA. 57+39.45 TO STA. 62+31.06 492 L.F. (A010)

TEMP. R/W TO CONST. SHOO-FLY 1

STA. 525+04
CONSTRUCT 24' CONCRETE DRIVE W/24' GATE

STA. 1125+51.10
END CONSTRUCTION
RAMP A-W. 51ST ST.

PROPOSED FOR TEMP

CONSTRUCT FENCE STYLE WWF FROM STA. 62+55.06 TO STA. 65+75.74 321 L.F. (A010)

+76.00 20276 (A010)

+50.24 327.61' (A010)

+75.74 100.00' (A010)

+75.69 7776 (A010)

+70.79 55.00' (A010)

+85.48 90.73' (A010)

℄ TRAIL

℄ W. 51ST. ST.

℄ RAMP C W. 51ST ST.

EXIST. RAMP

PC RAMP A-W. 51ST ST. 1109+35.88

110+00

PCC RAMP A-W. 51ST ST. 1111+73.17

PI RAMP A-W. 51ST ST. 1114+07.62

PT RAMP A-W. 51ST ST. 1115+78.62

115+00

PT RAMP A-W. 51ST ST. 1117+49.02

PC RAMP A-W. 51ST ST. 1119+22.07

120+00

PT RAMP A-W. 51ST ST. 1124+51.10

125+00

TOC/TOS (RAMP A)

TOC/TOS (W. 51ST)

F-SHAPED PARAPET

253

252

206

205

204

RP-10

RP-11

RP-12

℄ RAMP A - W. 51ST ST.

RETAINING WALL

30" RCP

16

GILCREASE EXPRESSWAY

BRIDGE A

℄ RAMP B - W. 51ST. ST.

TOC/TOS (MAINLINE)

SEC 29 T19N R12E

RAMP A - W. 51ST ST.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN SHEET

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R102

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PLAN SHEET R102

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

SEE ODOT STANDARD SUEL 1-3 LATEST VERSION FOR SHOULDER SUPERELEVATION CONTROL.

LEGEND
- EXIST.GRADE @
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

50% plans

DRIVING LANE | TRANS. | FULL SUPER S=-4.00% | TRANSITION | FULL SUPER S=+6.00% | TRANSITION | MATCH W. 51ST ST.

+55.20 S=-6.00% | +25.10 S=-4.00% | +23.22 S=-4.00% | +76.79 S=+6.00% | +19.63 S=+6.00% | +18.10 S=-0.84%

L= 520.00'
K= 115.28

FINISH GRADE W.51ST ST.

VARIES

PVI STA 1113+55.20
EL 765.71

PVI STA 1114+25.10
EL 765.93
PVC STA 1114+40.00
EL 765.97

GILCREASE EXPRESSWAY FINISHED GRADE

0.24%

4.75%

PVT STA 1118+40.00
EL 771.26 SP DT LT.

SPECIAL DITCH LEFT

-1.40%

PVT STA 1119+60.00
EL 778.94

RETAINING WALL

4.75%

PVI STA 1117+00.00
EL 766.59

PVI STA 1120+55.00
EL 768.25 SP DT LT

PVI STA 1120+65.00
EL 768.25 SP DT LT

PVI STA 1120+75.00
EL 762.62 SP DT RT.

SPECIAL DITCH RIGHT

-2.10%

0.00%

EXISTING GRADE @ RAMP A - W.51ST ST.

5.75%

PVI STA 1121+50.00
EL 761.04 SP DT RT.

PVI STA 1121+60.00
EL 761.04 SP DT RT.

PVI STA 1121+65.00
EL 774.00 SP DT LT.

C.R.L. STA. 1121+10.00 (16)
CONST. 30"X180' RCP W/END SECTIONS
FL LT. EL=767.94
FL RT. EL=761.43

FINISH PROFILE GRADE RAMP A - W. 51ST ST.

PVC STA 1123+00.00
EL 795.09

4.75%

7.70%

SPECIAL DITCH LEFT

L= 200.00'
K= 72.73

PVI STA 1124+00.00
EL 799.84

FINISH GRADE W. 51ST ST.

2.00%

2.00%

PVI STA 1125+18.10
EL 802.19

PVT STA 1125+00.00
EL 801.84

PVI STA 1125+00.00
EL 799.80 SP DT LT.

EXIST.	764.2	760.1	765.1	772.9	780.6	786.2	777.4	768.2	764.8	767.4	767.2	777.6	789.3
PROP.				765.86	766.27	767.46	769.52	772.45	776.24	780.84	785.59	790.34	795.09

1111+00 | 1112 | 1113 | 1114 | 1115+00 | 1116 | 1117 | 1118 | 1119 | 1120+00 | 1121 | 1122 | 1123 | 1124 | 1125+00 | 1126

802.7 799.15 | 805.6 801.84

RAMP A - W. 51ST ST.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R103

LEGEND

- PROPOSED PAVEMENT
- TRAIL
- XXX DRAINAGE STRUCTURE
- CABLE BARRIER
- XXX PARCEL #
- LIGHT POLE
- BORE HOLE

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℄, ℄.

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.

SEC 29 T19N R12E

0 50 100 150 SCALE

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

STA. 2108+25.00
BEGIN CONSTRUCTION
RAMP B-W. 51ST ST.

SEC 32 T19N R12E

℄ RAMP A-W. 51ST. ST.

GILCREASE EXPRESSWAY

℄ RAMP B - W. 51ST ST.

℄ RAMP D - W. 51ST. ST.

℄ W. 51ST. ST.

℄ W. 51ST FRONTAGE RD.

PC RAMP B W. 51ST ST. 2117+18.47

TOC/TOS (RAMP B)

PI RAMP B W. 51ST ST. 2115+31.58

PC RAMP B W. 51ST ST. 2112+87.54

PI RAMP B W. 51ST ST. 2114+10.41

PI RAMP B W. 51ST ST. 2121+08.27

PI RAMP B W. 51ST ST. 2119+40.21

PI RAMP B W. 51ST ST. 2120+71.87

RAISED CONCRETE ISLAND

2-6'X4' RCB

CONSTRUCT FENCE STYLE CLASS A 8' CLF FROM STA. 75+01.44 TO STA. 83+41.54 956 L.F. (A010)

STA. 2120+71.42
END CONSTRUCTION
RAMP B-W. 51ST ST.

50% plans

SEC 29 T19N R12E

SCALE: HORIZ.: 1"=50' VERT.: 1"=10'

LEGEND

- EXIST. GRADE ℄
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

SEE ODOT STANDARD SUEL 1-3 LATEST VERSION FOR SHOULDER SUPERELEVATION CONTROL.

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

780 775 770 765 760 755 750 745

2108 2109 2110+00 2111 2112 2113 2114 2115+00 2116 2117 2118 2119 2120+00 2121 2122

755.8 757.7 756.6 764.0 769.3 758.1 763.0 760.54 760.3 760.41 763.7 761.49 766.0 764.05 767.1 767.76

VARIES

L= 270.00'
K= 68.08

L= 150.00'
K= 83.33

PVI STA 2114+86.58 EL 760.55

PVC STA 2115+65.00 EL 760.38

LO STA 2115+76.28 EL760.37

+86.58 S=+6.00%

FULL SUPER

PVI STA 2117+00.00 EL 760.16

PVT STA 2118+35.00 EL 765.29

PVC STA 2119+00.00 EL 767.76

PVI STA 2119+75.00 EL 770.61

PVT STA 2120+50.00 EL 772.11

PVI STA 2120+71.42 EL 772.53

PVI STA 2119+15.00 EL 764.96 SP DT RT.

PVI STA 2120+72.00 EL 765.43 SP DT RT.

EXISTING GRADE ℄ RAMP B-W.51ST ST.

GILCREASE EXPRESSWAY FINISHED GRADE

FINISH GRADE RAMP B-W. 51ST ST.

FINISH GRADE W. 51ST FRONTAGE ROAD

MATCH W. 51ST FRONTAGE ROAD

TRANSITION

SPECIAL DITCH (RIGHT)

-0.17% 3.80% 3.80% 3.80% 0.00% S=+6.00% 0.30%

+80.78 S=+6.00% 770.96 7700

+70.91 S=+1.50%

RAMP B - W. 51ST ST.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN AND PROFILE SHEET

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500
DETAILED	BWH	7/17	
CHECKED	NAB	10/17	DATE: 10/30/2017

SHEET NO. R104

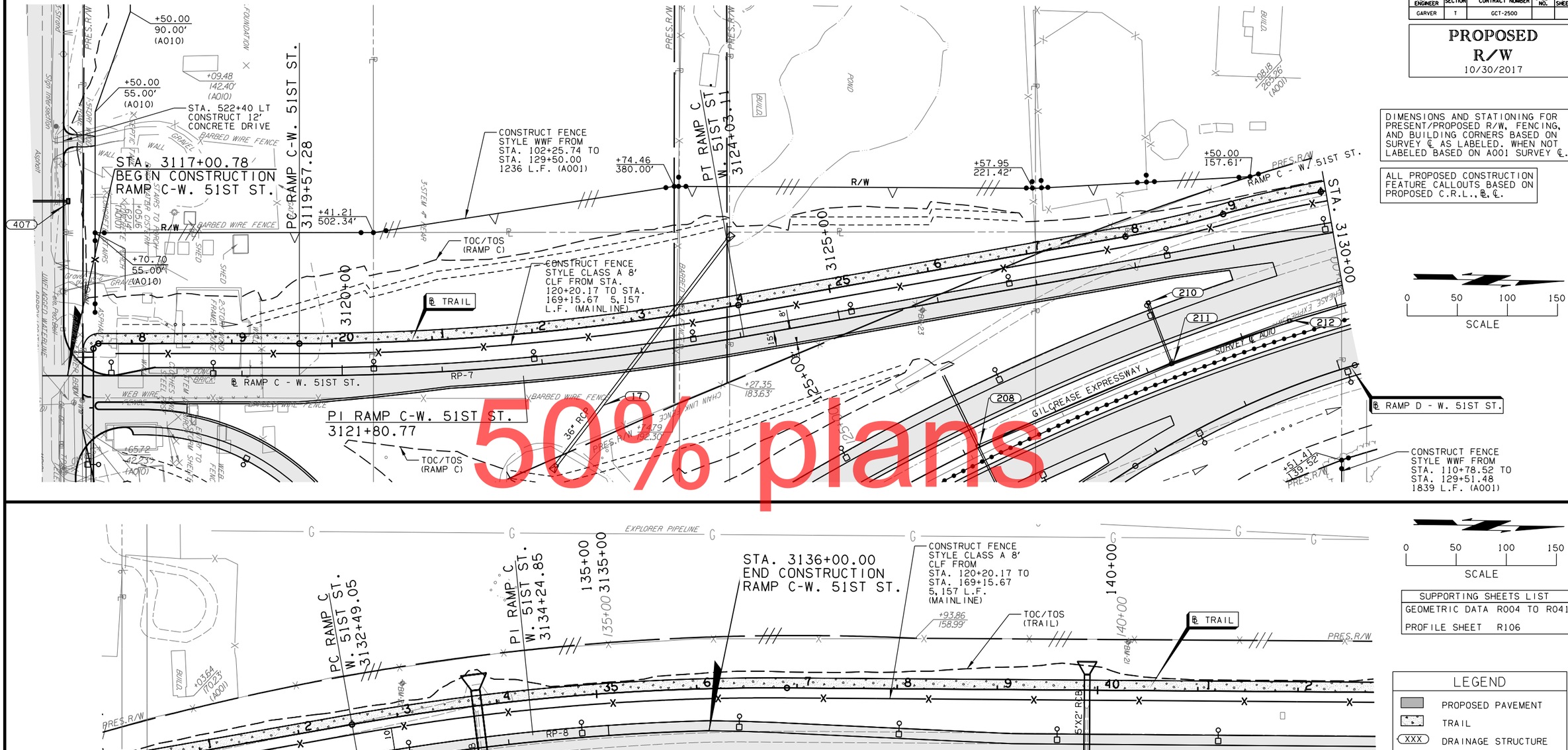
OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W

10/30/2017

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℄, ℄.



50% plans

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PROFILE SHEET R106

LEGEND

- PROPOSED PAVEMENT
- TRAIL
- XXX DRAINAGE STRUCTURE
- CABLE BARRIER
- XXX PARCEL #
- LIGHT POLE
- BORE HOLE

RAMP C - W 51ST ST.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN SHEET

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17	DATE: 10/30/2017	SHEET NO. R105
CHECKED	NAB	10/17		

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PLAN SHEET R105

SEE ODOT STANDARD SUEL 1-3 LATEST VERSION FOR SHOULDER SUPERELEVATION CONTROL.

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

LEGEND
- *EXIST.GRADE @*
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

50% plans

MATCH W. 51ST ST.
+33.78 S=+2.00% (NC)
+28.77 S=+2.00% (NC)
+89.15 S=+3.80% (NC)
+74.61 S=+3.80%
+28.61 S=+2.00% (NC)
+91.06 S=+2.00% (NC)
+91.06 S=-6.00%

NORMAL CROWN S=+2.00% | FULL SUPER S=+3.80% | TRANS. | NORMAL CROWN S=+2.00% | TRANSITION 2% TO -6% | FULL SUPER S=-6.00%

TRANS. 2% TO 3.80%

PVI STA 3117+33.78
EL 801.44

PVI STA 3118+50.00
EL 799.12

PVC STA 3117+50.00
EL 801.12

PVI STA 3119+00.00
EL 791.75 SP DT LT.

PVT STA 3119+50.00
EL 794.62

PVC STA 3122+80.00
EL 779.77

L= 200.00'
K= 80.00

L= 480.00'
K= 642.67

FINISH GRADE W. 51ST ST.

SPECIAL DITCH LEFT

FINISH PROFILE GRADE RAMP C-W. 51ST ST.

PVT STA 3127+60.00
EL 759.96

VARIES

PVI STA 3128+91.06
EL 755.04

PVI STA 3129+84.71
EL 751.62

PVI STA 3121+00.00
EL 768.35 SP DT LT.

PVI STA 3121+65.00
EL 761.13 SP DT RT.

PVI STA 3122+00.00
EL 755.50 SP DT RT.

PVI STA 3122+10.00
EL 755.50 SP DT RT.

SPECIAL DITCH RIGHT

PVI STA 3125+20.00
EL 768.97

PVI STA 3125+70.00
EL 759.10 SP DT RT.

PVI STA 3124+05.00
EL 748.53 SP DT LT.

PVI STA 3124+50.00
EL 748.53 SP DT LT.

PVI STA 3127+00.00
EL 753.03 SP DT LT.

EXISTING GRADE @ RAMP C - W. 51ST ST.

GILCREASE EXPRESSWAY FINISHED GRADE

(17) C.R.L. STA. 3123+00.00
CONST. 36"X287.20' RCP W/END SECTIONS
FL LT. EL=755.19
FL RT. EL=748.84

-2.00% -4.50% -11.70% -4.50% -3.75% -3.75% -6.50% -12.50% 0.00% 1.00% 0.00% 1.80%

805.5 799.96 | 800.5 796.71 | 781.2 792.37 | 768.8 787.87 | 761.7 783.37 | 749.6 778.87 | 758.8 774.48 | 758.4 770.25 | 757.3 766.17 | 754.2 762.24 | 747.5 758.46 | 749.7 754.71

747.7 | 746.0 | 744.7

3117 3118 3119 3120+00 3121 3122 3123 3124 3125+00 3126 3127 3128 3129 3130+00 3131 3132

820 815 810 805 800 795 790 785 780 775 770 765 760 755 750 745 740 735 730 725 720

SCALE:
HORIZ.: 1"=50'
VERT.: 1"=5'

RAMP C - W. 51ST ST.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500
DETAILED	BWH	7/17	
CHECKED	NAB	10/17	DATE: 10/30/2017 SHEET NO. R106

OKLAHOMA TURNPIKE AUTHORITY

SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

LEGEND
- PROPOSED PAVEMENT
- TRAIL
- XXX DRAINAGE STRUCTURE
- CABLE BARRIER
- XXX PARCEL #
- LIGHT POLE
- BORE HOLE

0 50 100 150
SCALE

50% plans

℄ RAMP C - W. 51ST ST.
℄ RAMP D - W. 51ST ST
℄ TRAIL
C.R.L.
GILCREASE EXPRESSWAY
RAMP D-W. 51ST ST.
PRES.R/W
CHAIN LINK FENCE
24" RCP
8'X3' RCB
RP-4
RP-5
RP-6
R/W
POND
PC RAMP D W. 51ST ST. 4120+72.02
PT RAMP D W. 51ST ST. 4124+05.61
PC RAMP D W. 51ST ST. 4127+74.00
PI RAMP D W. 51ST ST. 4128+95.69
PI RAMP D W. 51ST ST. 4130+15.74
PI RAMP D W. 51ST ST. 4133+09.55
CONSTRUCT FENCE STYLE WWF FROM STA. 110+78.58 TO STA. 129+51.48 1839 L.F. (A001)
CONSTRUCT FENCE STYLE CLASS A 8' CLF FROM STA. 120+20.17 TO STA. 169+15.67 5157 L.F. (MAINLINE)
+50.00 157.61'
+67.62 175.51'
+51.41 139.52'
+07.53 261.77'
+08J8 265.26' (A001)
03J64 170.23' (A001)
BERM EL. 736.16
STA. 4120+64.99
END CONSTRUCTION-
RAMP D-W. 51ST ST.
STA. 4136+00.00
END CONSTRUCTION
RAMP D-W. 51ST ST.
ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℄, ℄.
DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041

SCALE: HORIZ.: 1"=50' VERT.: 1"=10'

MATCH W. 51ST FRONTAGE ROAD
TRANSITION -1.50% TO 5.8%
FULL SUPER S=+5.80%
TRANS. 5.8% TO 2%
NORMAL CROWN S=+2.00%
TRANSITION 2% TO 6%
PVI STA 4120+64.99 EL 774.40
+64.99 S=-1.50%
+20.15 S=+5.80%
+72.55 S=+5.80%
+59.19 S=+2.00% (NC)
+99.00 S=+2.00% (NC)
+18.99 S=+6.00%
PVC STA 4120+75.00 EL 774.21
PVI STA 4121+50.00 EL 772.71
PVC STA 4121+15.00 SP DT LT.
PVI STA 4121+50.00 SP DT RT.
PVI STA 4121+50.00 EL 770.20 SP DT LT.
PVI STA 4121+50.00 EL 769.62 SP DT RT.
PVC STA 4122+25.00 EL 769.78
PVI STA 4122+80.00 EL 757.00 SP DT LT.
PVI STA 4122+90.00 EL 757.00 SP DT LT.
PVI STA 4123+50.00 EL 760.00 SP DT LT.
PVI STA 4123+62.00 EL 760.00 SP DT LT.
PVI STA 4123+70.00 EL 756.20 SP DT RT.
PVC STA 4123+85.00 EL 763.54
PVI STA 4123+90.00 EL 758.60 SP DT LT.
PVI STA 4123+80.00 EL 756.20 SP DT RT.
PVI STA 4125+60.00 EL 756.72
PVI STA 4125+60.00 EL 754.85 SP DT RT.
PVC STA 4127+35.00 EL 753.15
PVI STA 4127+53.21 EL 752.78
PVI STA 4128+18.99 EL 751.40
L= 350.00' K= 188.26
L= 150.00' K= 78.95
VARIES
-2.00% -3.90% -6.10% -9.00% 0.00% 5.00% -0.75% -2.04% 2.04%
SAME POINT
FINISH PROFILE GRADE RAMP D-W. 51ST ST.
FINISH GRADE W. 51ST FRONTAGE RD.
FINISH GRADE RAMP D-W. 51ST ST.
EXISTING GRADE ℄ RAMP D-W.51ST ST.
GILCREASE EXPRESSWAY FINISHED GRADE
790.0 773.67
792.0 770.72
776.7 766.80
768.4 762.96
767.6 759.47
762.4 756.39
754.5 753.89
749.3 751.83
748.3
745.4
742.6
740.4

SEE ODOT STANDARD SUEL 1-3 LATEST VERSION FOR SHOULDER SUPERELEVATION CONTROL.

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

LEGEND
- EXIST. GRADE ℄
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

4120+00 4121 4122 4123 4124 4125+00 4126 4127 4128 4129 4130+00 4131 4132 4133 4134 4135+00

RAMP D - W. 51ST ST.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN AND PROFILE SHEET

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500
DETAILED	BWH	7/17	
CHECKED	NAB	10/17	DATE: 10/30/2017 SHEET NO. R107

SEC 29 T19N R12E

0 50 100 150
SCALE

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

STA. 1151+250.00
BEGIN CONSTRUCTION
RAMP A-W. 41ST ST. S.

WWF
OHWD
KOCH PIPELINE
EXPLORER PIPELINE
2644.87'
N00°48'03"W
N-S 390.5
1/4 SECTION LINE
PRES.R/W
TOC/TOS (TRAIL)
TOC/TOS (MAINLINE)
℄ TRAIL
145+00
150+00
155+00
CONSTRUCT FENCE STYLE CLASS A 8' CLF FROM STA. 120+20.17 TO STA. 169+15.67 5157 L.F. (MAINLINE)
PC RAMP A W. 41ST ST. S. 1157+00.00
PI RAMP A W. 41ST ST. S. 1158+62.16
℄ RAMP A - W. 41ST ST. S.
GILCREASE EXPRESSWAY
SURVEY ℄ N0°
C.R.L.
2-6'X3' RCB
254
221
222
RP-18
5'X2' RCB
STA. 1160+00
℄ RAMP B - W. 41ST ST. S.
RP-13
STA. 2160+00
TOC/TOS (MAINLINE)
2155+00
PC RAMP B W. 41ST ST. S. 2157+00.00
TOC/TOS (RAMP B)
BERM ELEV. 710.81
PI RAMP B W. 41ST ST. S. 2158+63.48

50% plans

STA. 2151+50.00
BEGIN CONSTRUCTION
RAMP B-W. 41ST ST. S.

LEGEND
- PROPOSED PAVEMENT
- TRAIL
- DRAINAGE STRUCTURE (XXX)
- CABLE BARRIER
- PARCEL # (XXX)
- LIGHT POLE
- BORE HOLE

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℄, ℄.

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PROFILE SHEET R110

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.

SEC 29 T19N R12E

RAMP A & B W. 41ST ST.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN SHEET
(SHEET 1 OF 2)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R108

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PROFILE SHEET R110

SEC 29 T19N R12E

SEC 20 T19N R12E

SCALE 0 50 100 150

STA. 1169+62.77
END CONSTRUCTION
RAMP A-W. 41ST ST. S.

PT RAMP A W. 41ST ST. S. 1160+23.54

PI RAMP A W. 41ST ST. S. 1165+90.94

PT RAMP A W. 41ST ST. S. 1166+60.10

PC RAMP A W. 41ST ST. S. 1165+00

1165+21.44

CONSTRUCT FENCE STYLE CLASS A 8' CLF FROM STA. 120+20.17 TO STA. 109+15.67 5,157 L.F. (MAINLINE)

CONSTRUCT FENCE STYLE CLASS A 8' CLF FROM STA. 171+31.28 TO STA. 187+50.00 1,716 L.F. (MAINLINE)

RAISED CONCRETE ISLAND

GRADE TO DRAIN

TOC/TOS (TRAIL)

TOC/TOS (RAMP A)

℄ TRAIL

℄ RAMP A - W. 41ST ST.

℄ S. 57TH W. AVE AT W. 41ST ST. S.

℄ W. 41ST ST S.

BRIDGE 'C'

BRIDGE 'B'

BRIDGE 'Y'

℄ RAMP B - W. 41ST ST.

℄ RAMP C - W. 41ST ST.

℄ S. 55TH W. AVE.

CONSTRUCT FENCE STYLE WWF FROM STA. L70+40.55 TO STA. 216+18.05 4787 L.F. (A001)

CONSTRUCT FENCE STYLE WWF FROM STA. 415+33.39 TO STA. 421+36.74 1019 L.F. (PROP 41ST)

RAISED CONCRETE ISLAND

GILCREASE EXPRESSWAY

CABLE BARRIER

SURVEY ℄ A010

PT RAMP B W. 41ST ST. S. 2160+26.60

PC RAMP B W. 41ST ST. S. 2165+29.92

PI RAMP B W. 41ST ST. S. 2165+92.38

PT RAMP B W. 41ST ST. S. 2166+54.53

STA. 2169+80.22
END CONSTRUCTION
RAMP B-W. 41ST ST. S.

PROPOSED R/W
10/30/2017

50% plans

LEGEND
- PROPOSED PAVEMENT
- TRAIL
- DRAINAGE STRUCTURE
- CABLE BARRIER
- PARCEL #
- LIGHT POLE
- BORE HOLE

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℞, ℄.

RAMP A & B W. 41ST ST. S.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN SHEET
(SHEET 2 OF 2)

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R109

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

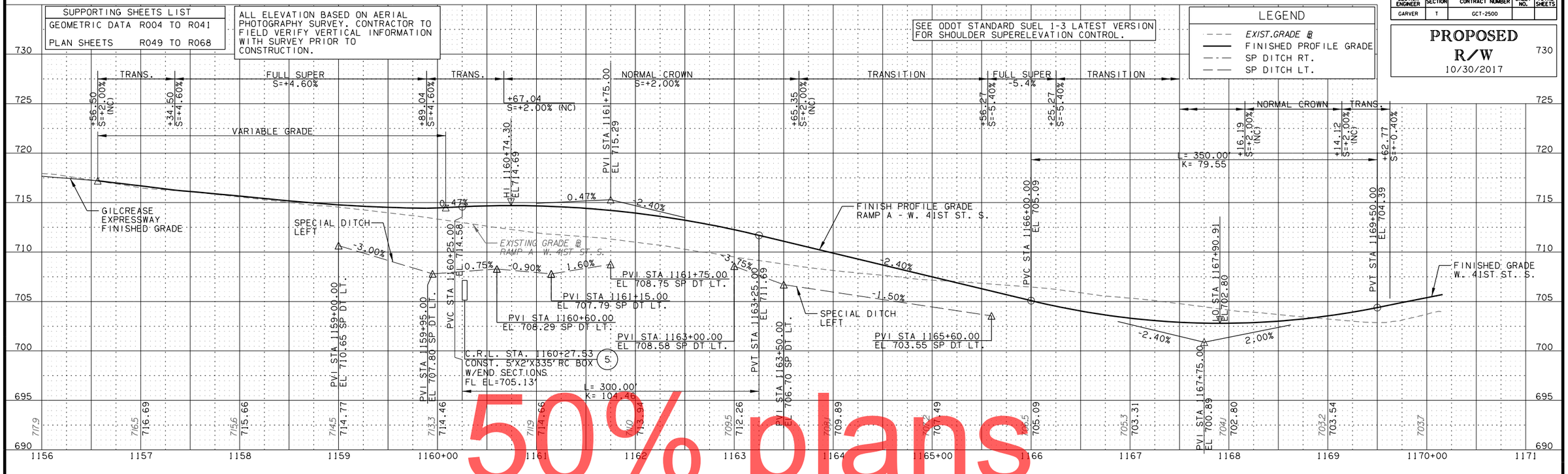
PROPOSED R/W
10/30/2017

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PLAN SHEETS R049 TO R068

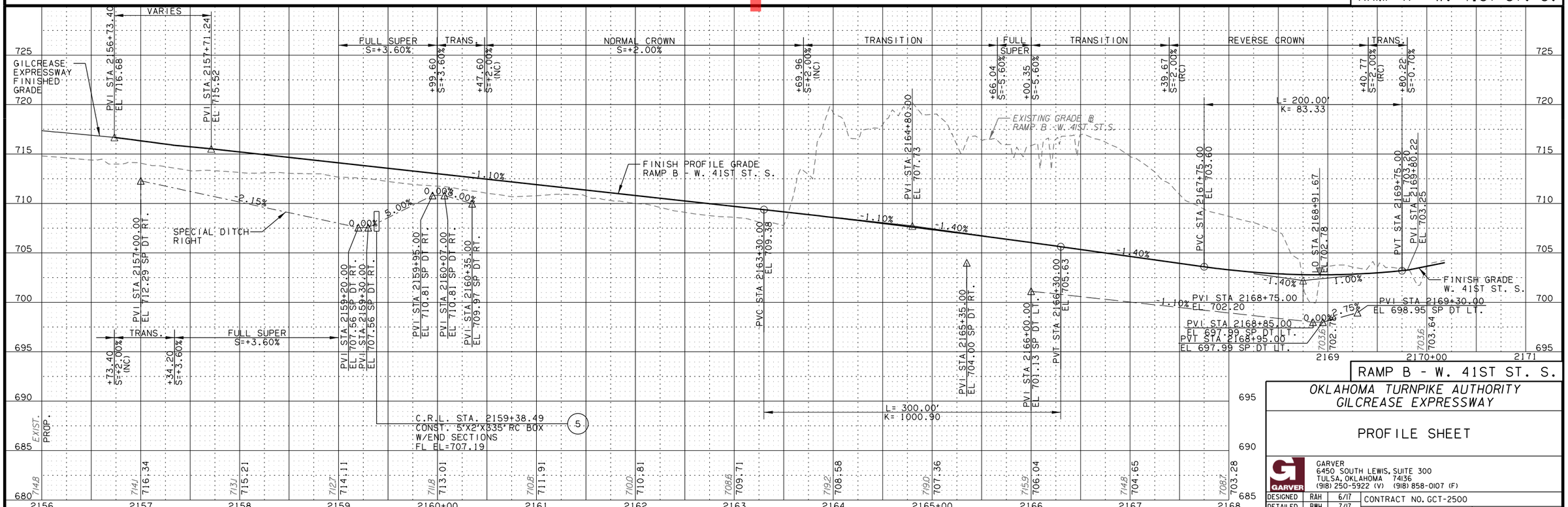
ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

SEE ODOT STANDARD SUEL 1-3 LATEST VERSION FOR SHOULDER SUPERELEVATION CONTROL.

LEGEND
- EXIST. GRADE @
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.



RAMP A - W. 41ST ST. S.



RAMP B - W. 41ST ST. S.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500
DETAILED	BWH	7/17	
CHECKED	NAB	10/17	DATE: 10/30/2017 SHEET NO. R110

50% plans

STA. 3187+26.46+58.25
BEGIN CONSTRUCTION
℄ RAMP C - W. 41ST ST. S.

SEC 20 T19N R12E

BEAVER DAM

TEMP R/W FOR CHANNEL GRADING

TEMP R/W TO CONST S. 57TH W. AVE.

POB RAMP C-W. 41ST ST. S. 3187+07.07

TOS/TOC (S. 57TH)

+00.00 510.00' (A001)

+00.00 443.57' (A001)

℄ S. 57TH W. AVE. AT 41ST ST. S.

PRES. R/W

N-S 390.5 1/4 SECTION LINE

+28.44 510.00' (A001)

+30.23 382.99'

S. 57th W. Ave

PRES. R/W

CONSTRUCT FENCE STYLE CLASS A 8' CLF STA. 189+29.10 TO STA. 221+76.67 3,546 L.F. (MAINLINE)

PC RAMP C-W. 41ST ST. S. 3188+42.03

PT RAMP C-W. 41ST ST. S. 3190+40.80

RAISED CONCRETE ISLAND

℄ RAMP C-W. 41ST ST. S.

RP-18

3190+00

TOS/TOC (TRAIL)

TOS/TOC (RAMP C)

BERRYHILL TRIBUTARY COMPENSATORY STORAGE

PI RAMP C-W. 41ST ST. S. 3189+48.04

PC RAMP C-W. 41ST ST. S. 3193+84.19

3195+00

GRADE TO DRAIN

PI RAMP C-W. 41ST ST. S. 3195+64.27

EXTEND 1/4 SECTION LINE

E-W 624.5

R/W

+32.99 190.00'

PT RAMP C-W. 41ST ST. S. 3197+43.87

+87.31 306.02' (A001)

+16.62 244.15' (A001)

+22.64 210.00'

+22.92 190.00'

3200+00

CONSTRUCT FENCE STYLE WWF FROM STA. 196+30.34 TO STA. 207+98.42 1,403 L.F. (A001)

+01.06 263.39' (A001)

+47.66 210.00'

+47.94 190.00'

R/W

℄ TRAIL

42" RCP

RP-19

℄ RAMP C - W. 41ST ST. S.

STA. 3203+00

C.R.L.

GILCREASE EXPRESSWAY

50% plans

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℄.

LEGEND
- PROPOSED PAVEMENT
- TRAIL
- XXX DRAINAGE STRUCTURE
- CABLE BARRIER
- XXX PARCEL #
- LIGHT POLE
- BORE HOLE

OKLAHOMA TURNPIKE AUTHORITY

SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

0 50 100 150
SCALE

SCALE: HORIZ. 1"=50' VERT. 1"=10'

TRANS. | TRANS. | FULL SUPER S=+6.00% | TRANSITION | NORMAL CROWN

+11.22 S=+1.00%
+91.41 S=+2.00%
+72.41 S=+6.00%
+06.60 S=+6.00%
+97.80 S=+2.00% (NC)

PVI STA 3187+26.46 EL 696.09

EXISTING GRADE ℄ RAMP C-W. 41ST ST. S.

3.00%

FINISH PROFILE GRADE ℄ RAMP C - W. 41ST ST. S.

C.R.L. STA. 3187+66.00 (19)
CONST. 24"X123' RCP W/END SECTIONS
FL LT. EL=691.75
FL RT. EL=691.05

FINISH GRADE S. 57TH W. AVE.

PVC STA 3191+00.00 EL 707.30

PVI STA 3193+75.00 EL 715.55

-1.45%

3.00%

HI 3194+70.70 EL 712.86

SPECIAL DITCH LEFT

PVI STA 3193+05.00 EL 702.26 SP DT LT.

-3.60%

(7) C.R.L. STA. 3194+69.27
CONST. 42"X293' RCP W/END SECTIONS
FL EL=698.88'

L= 550.00'
K= 123.57

PVI STA 3195+05.00 EL 695.06 SP DT LT.

PVI STA 3195+15.00 EL 695.06 SP DT LT.

3.60%

PVI STA 3196+30.00 EL 699.20 SP DT LT.

PVT STA 3196+50.00 EL 711.56

PVT STA 3196+62.20 EL 711.38

VARIES

PVT STA 3197+64.87 EL 710.00

NC | TRANS. | FULL SUPER S=+3.60%

+63.19 S=+2.00% (NC)

+11.19 S=+3.60%

+16.87 S=+3.60%

TRANS. | +64.87 S=+2.00% (NC)

SEE ODOT STANDARD SUEL 1-3 LATEST VERSION FOR SHOULDER SUPERELEVATION CONTROL.

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

GILCREASE EXPRESSWAY FINISHED GRADE

LEGEND
- EXIST. GRADE ℄
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

715 710 705 700 695 690 685 680

3187 3188 3189 3190+00 3191 3192 3193 3194 3195+00 3196 3197 3198 3199 3200+00 3201 3202

697.6 698.30 | 703.0 701.30 | 708.2 704.30 | 710.0 707.30 | 709.1 709.90 | 708.9 711.68 | 708.5 712.66 | 701.2 712.83 | 704.3 712.19 | 704.6 710.83 | 706.6 | 711.6

RAMP C - W. 41ST ST. S.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN AND PROFILE SHEET (SHEET 1 OF 2)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500
DETAILED	BWH	7/17	
CHECKED	NAB	10/17	DATE: 10/30/2017

SHEET NO. R111

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℄, ℄.

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041

SEC 20 T19N R12E

SCALE 0 50 100 150

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

LEGEND
- PROPOSED PAVEMENT
- TRAIL
- XXX DRAINAGE STRUCTURE
- CABLE BARRIER
- XXX PARCEL #
- LIGHT POLE
- BORE HOLE

ONG - 2" CS
S.57th W.Ave
PRES.R/W
30'
40'
50'
+75.00 398.03'
+75.27 378.03'
+49.93 406.48'
+50.20 386.48'
STA. 3205+00.00
END CONSTRUCT
℄ RAMP C - W. 41ST ST. S.
CONSTRUCT FENCE STYLE WWF FROM STA. 196+30.34 TO STA. 207+98.42 1,403 L.F. (A001)
TEMP R/W TO CONST. CHANNEL
CONSTRUCT FENCE STYLE WWF FROM STA. 208+18.22 TO STA. 222+46.96 1,491 L.F. (A001)
+77.78 190.00'
+45.49 204.47' (A001)
+50.00 155.00'
+85.96 181.72' (A001)
+00.00 155.00'
+75.00 210.00'
+00.00 190.00'
+52.55 210.00'
+52.82 190.00'
+00.00 155.00'
+00.00 130.00'
+29.67 297.00' (A001)
+89.27 289.56' (A001)
+48.27 190.00'
+62.71 218.00' (A001)
+39.34 315.33' (A001)
+40.70 222.67' (A001)
R/W
TOC/TOS (TRAIL)
BUILD.
229
BRIDGE 'AA' 2-(12'X10')
10'
24'
4'
STA. 3203+00
205+00
210+00
215+00
℄ RAMP C-W.41ST ST. S.
CONSTRUCT FENCE STYLE CLASS A 8' CLF FROM STA. 189+29.10 TO STA. 221+76.67 3,546 L.F. (MAINLINE)
+14.53 52.25'
C.R.L. GILCREASE EXPRESSWAY

50% plans

RAMP C - W. 41ST ST. S.

SCALE: HORIZ.: 1"=50' VERT.: 1"=10'

710
705
700
695
690
685
680
3203
3204
3205+00
3206

GILCREASE EXPRESSWAY FINISH GRADE
EXISTING GRADE ℄ RAMP C-W.41st ST.S.

LEGEND
- EXIST.GRADE C.R.L.
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

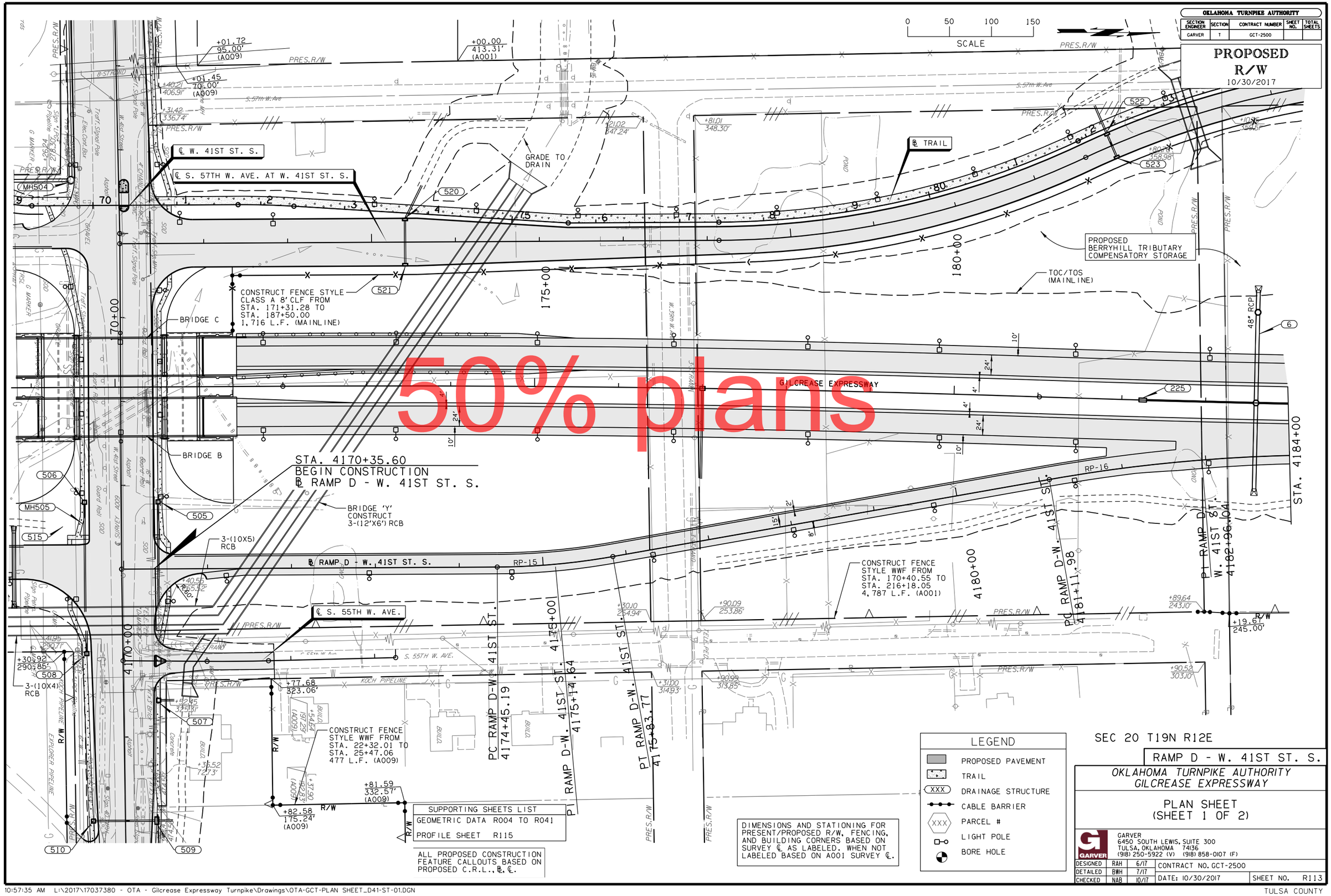
RAMP C - W. 41ST ST. S.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN AND PROFILE SHEET (SHEET 2 OF 2)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R112


OKLAHOMA TURNPIKE AUTHORITY
SECTION ENGINEER: GARVER | SECTION: T | CONTRACT NUMBER: GCT-2500 | SHEET NO. | TOTAL SHEETS
PROPOSED R/W
10/30/2017
SCALE 0 50 100 150
℄ W. 41ST ST. S.
℄ S. 57TH W. AVE. AT W. 41ST ST. S.
℄ TRAIL
GRADE TO DRAIN
POND
PROPOSED BERRYHILL TRIBUTARY COMPENSATORY STORAGE
TOC/TOS (MAINLINE)
CONSTRUCT FENCE STYLE CLASS A 8' CLF FROM STA. 171+31.28 TO STA. 187+50.00 1,716 L.F. (MAINLINE)
BRIDGE C
BRIDGE B
BRIDGE 'Y' CONSTRUCT 3-(12'X6') RCB
3-(10X5) RCB
3-(10X4) RCB
48" RCP
GILCREASE EXPRESSWAY
℄ RAMP D - W. 41ST ST. S.
℄ S. 55TH W. AVE.
CONSTRUCT FENCE STYLE WWF FROM STA. 170+40.55 TO STA. 216+18.05 4,787 L.F. (A001)
CONSTRUCT FENCE STYLE WWF FROM STA. 22+32.01 TO STA. 25+47.06 477 L.F. (A009)
PC RAMP D-W. 41ST ST. 4174+45.19
PI RAMP D-W. 41ST ST. 4175+14.64
PT RAMP D-W. 41ST ST. 4175+83.77
PC RAMP D-W. 41ST ST. 4181+11.98
PT RAMP D-W. 41ST ST. W. 41ST ST. 4182+96.04
STA. 4184+00
STA. 4170+35.60
BEGIN CONSTRUCTION
℄ RAMP D - W. 41ST ST. S.
170+00
175+00
180+00
4170+00
4175+00
4180+00
KOCH PIPELINE
EXPLORER PIPELINE
SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PROFILE SHEET R115
ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℄, ℄.
DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.
LEGEND
PROPOSED PAVEMENT
TRAIL
DRAINAGE STRUCTURE
CABLE BARRIER
PARCEL #
LIGHT POLE
BORE HOLE
SEC 20 T19N R12E
RAMP D - W. 41ST ST. S.
OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY
PLAN SHEET
(SHEET 1 OF 2)
GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)
DESIGNED RAH 6/17
DETAILED BWH 7/17
CHECKED NAB 10/17
CONTRACT NO. GCT-2500
DATE: 10/30/2017
SHEET NO. R113
TULSA COUNTY

50% plans

SEC 20 T19N R12E

0 50 100 150
SCALE

GRADE TO DRAIN

TEMP R/W TO CONST S. 57TH W. AVE.

℄ S. 57TH W. AVE AT W. 41ST ST. S.

℄ TRAIL

TEMP R/W FOR CHANNEL GRADING

+00.00
510.00'
(A001)

+00.00
443.57'
(A001)

+28.44
510.00'
(A001)

PRES.R/W

N-S 390.5
1/4 SECTION LINE

S.57th W.Ave

+30.23
382.99'

CONSTRUCT FENCE STYLE CLASS A 8' CLF FROM STA. 171+31.28 TO STA. 187+50.00
1,716 L.F. (MAINLINE)

CONSTRUCT FENCE STYLE CLASS A 8' CLF FROM STA. 189+29.10 TO STA. 221+76.67
3,546 L.F. (MAINLINE)

24" RCP

PROPOSED BERRYHILL TRIBUTARY COMPENSATORY STORAGE

TOC/TOS (RAMP C)

TOC/TOS (MAINLINE)

185+00

190+00

195+00

GRADE TO DRAIN

3-STRAND

R/W

+32.99
190.00'

CONSTRUCT FENCE STYLE WWF FROM STA. 196+32.99 TO STA. 222+46.96
2,694 L.F. (A001)

℄ RAMP C - W. 41st ST.

10'

24'

4'

C.R.L.

226

GILCREASE EXPRESSWAY

227

42" RCP

RP-16

℄ RAMP D - W. 41ST ST. S.

RP-17

STA. 4184+00

PRC RAMP D-W. 41ST ST.
4184+78.97

4185+00

DITCH SWALE

BERM

PI RAMP D-W. 41ST ST.
4186+76.72

PT RAMP D-W. 41ST ST.
4188+74.47

4190+00

POE RAMP D-41ST
4190+60.00

STA. 4190+00.00
END CONSTRUCT
℄ RAMP D - W. 41ST ST. S.

BERM

TOC/TOS (MAINLINE)

+37.95
165.00'

+39.14
248.89'

R/W

+00.00
243.45'

+50.00
246.28'

+50.00
375.00'

CONSTRUCT FENCE STYLE WWF FROM STA. 170+40.55 TO STA. 216+18.05
4,787 L.F. (A001)

SEC 20 T19N R12E

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℄, ℄.

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PROFILE SHEET XX

LEGEND

- PROPOSED PAVEMENT
- TRAIL
- XXX DRAINAGE STRUCTURE
- CABLE BARRIER
- XXX PARCEL #
- LIGHT POLE
- BORE HOLE

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.

OKLAHOMA TURNPIKE AUTHORITY

SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

RAMP D - W. 41ST ST. S.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN SHEET
(SHEET 2 OF 2)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500
DETAILED	BWH	7/17	
CHECKED	NAB	10/17	DATE: 10/30/2017 SHEET NO. R114

50% plans

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PLAN SHEETS R113 TO R114

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

LEGEND
- EXIST.GRADE @
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

TRANS. | NORMAL CROWN | TRANSITION | FULL SUPER | TRANSITION | NORMAL CROWN

+35.60 S=-0.60%
+88.39 S=+2.00% (NC)
L= 200.00'
K= 90.91
+89.10 S=+2.00% (NC)
+80.02 S=-5.40%
+48.94 S=-5.40%
+39.86 S=+2.00% (NC)
PVI STA 4180+25.00 EL 712.60
NC
+68.48 S=+2.00% (NC)
TRANSITION
+46.48 S=+4.60%
VARIES
FULL SUPER S=+4.60%
PVI STA 4181+82.75 EL 712.81

PVI STA 4170+35.60 EL 703.24
PVC STA 4170+50.00 EL 703.10
LO STA 4171+40.91 EL 702.64
PVT STA 4172+50.00 EL 703.30
-1.00%
-1.00%
1.20%
1.20%
FINISHED GRADE RAMP D-W. 41ST ST. S.
EXISTING GRADE @ RAMP D - W. 41ST ST. S.
0.30%
0.13%
0.13%
3.00%
-2.90%
0.00%
3.20%
FINISHED GRADE W. 41ST ST. S.
PVI STA 4171+50.00 EL 702.10
PVI STA 4177+00.00 SP DT RT. EL 706.04
PVC STA 4178+75.00 EL 710.80
PVI STA 4180+00.00 SP DT RT. EL 706.94
PVI STA 4181+00.00 SP DT RT. EL 709.94
PVI STA 4181+20.00 SP DT RT. EL 710.02
PVT STA 4181+75.00 EL 712.80
SP. DITCH RT.
PVI STA 4183+50.00 EL 703.35 SP DT RT.
PVI STA 4183+60.00 EL 703.35 SP DT RT.
L= 300.00'
K= 281.60
BRIDGE Y
3-(12'X6') RCB

50% plans

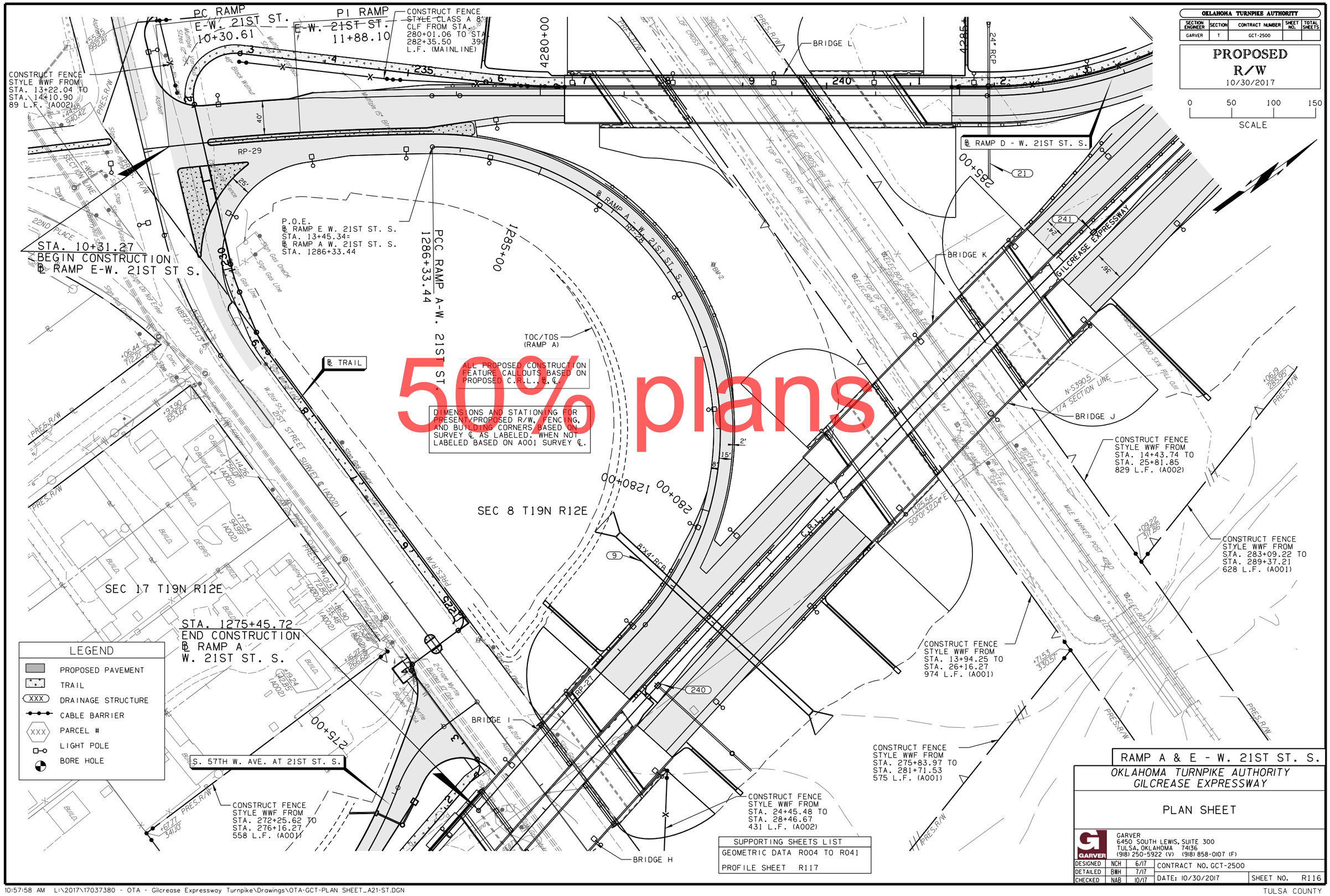
SCALE: HORIZ.: 1"=50' VERT.: 1"=10'

FULL SUPER | TRANS.
+44.47 S=-4.60%
+22.47 S=+2.00% (NC)
VARIES
PVI STA 4185+22.47 EL 715.33
FINISHED GRADE GILCREASE EXPRESSWAY
EXISTING GRADE @ RAMP D - W. 41ST ST. S.
FINISH PROFILE GRADE RAMP D-W. 41ST ST. S.
3.20%
SP. DITCH RT.
PVI STA 4185+22.47 SP DT RT. EL 708.55
EXIST. 714.04
PROP. 715.08

RAMP D - W. 41ST ST. S.
OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY
PROFILE SHEET

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R115


PC RAMP
E-W. 21ST ST.
10+30.61
PI RAMP
E-W. 21ST ST.
11+88.10
CONSTRUCT FENCE STYLE CLASS A 8' CLF FROM STA. 280+01.06 TO STA. 282+35.50 390 L.F. (MAINLINE)
CONSTRUCT FENCE STYLE WWF FROM STA. 13+22.04 TO STA. 14+10.90 89 L.F. (A002)
4280+00
4285+00
BRIDGE L
24" RCP
℄ RAMP D - W. 21ST ST. S.
285+00
21
241
GILCREASE EXPRESSWAY
BRIDGE K
BRIDGE J
N-S390.5
1/4 SECTION LINE
CONSTRUCT FENCE STYLE WWF FROM STA. 14+43.74 TO STA. 25+81.85 829 L.F. (A002)
CONSTRUCT FENCE STYLE WWF FROM STA. 283+09.22 TO STA. 289+37.21 628 L.F. (A001)
CONSTRUCT FENCE STYLE WWF FROM STA. 13+94.25 TO STA. 26+16.27 974 L.F. (A001)
CONSTRUCT FENCE STYLE WWF FROM STA. 275+83.97 TO STA. 281+71.53 575 L.F. (A001)
CONSTRUCT FENCE STYLE WWF FROM STA. 24+45.48 TO STA. 28+46.67 431 L.F. (A002)
P.O.E.
℄ RAMP E W. 21ST ST. S.
STA. 13+45.34=
℄ RAMP A W. 21ST ST. S.
STA. 1286+33.44
PCC RAMP A-W. 21ST ST.
1286+33.44
1285+00
℄ RAMP A - W. 21ST ST. S.
RP-25
STA. 10+31.27
BEGIN CONSTRUCTION
℄ RAMP E-W. 21ST ST S.
℄ TRAIL
TOC/TOS (RAMP A)
ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℄.
DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.
50% plans
1280+00
SEC 8 T19N R12E
SEC 17 T19N R12E
STA. 1275+45.72
END CONSTRUCTION
℄ RAMP A
W. 21ST ST. S.
S. 57TH W. AVE. AT 21ST ST. S.
BRIDGE I
BRIDGE H
RP-27
8X4' RCB
9
240
C.R.L.
2-Cross Myrtle Bushes
W. 21st St. S.
21ST STREET SURVEY ℄ (A002)
PRES.R/W
TRL.R/W
CROSS TIE
TOP OF CROSS TIE
ELEC.BOX SHUNT
Sign Gas Check
Sign Gas Line
Sign Gas Riser
Sign Gas Vent
Sign Gas Valve
Sign Gas Marker
Sign Gas Sign
Sign Gas Meter
Sign Gas Pipe
Sign Gas Post
Sign Gas Stub
Sign Gas Guy
Sign Gas Anchor
Sign Gas Fill Cap
Sign Gas Vault
Sign Gas Box
Sign Gas Cover
Sign Gas Pedestal
Sign Gas Transformer
Sign Gas Meter Pit
Sign Gas Meter Box
Sign Gas Meter Cover
Sign Gas Meter Post
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Sign Gas Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter
Sign Gas Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Pipe
Sign Gas Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Post
Sign Gas Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Stub
Sign Gas Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Guy
Sign Gas Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Anchor
Sign Gas Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Fill Cap
Sign Gas Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Vault
Sign Gas Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Box
Sign Gas Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Cover
Sign Gas Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Pedestal
Sign Gas Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Transformer
Sign Gas Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Pit
Sign Gas Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Box
Sign Gas Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Cover
Sign Gas Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Post
Sign Gas Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Stub
Sign Gas Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Sign
Sign Gas Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Line
Sign Gas Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Riser
Sign Gas Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Vent
Sign Gas Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Valve
Sign Gas Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Marker
Sign Gas Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Sign
Sign Gas Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter
Sign Gas Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Pipe
Sign Gas Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Meter Post
Sign Gas Meter Meter

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PLAN SHEET R116

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

LEGEND
- *EXIST.GRADE @*
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

SEE RAMP E SHEET R124

50% plans

TRANSITION +83.09 S=+2.00% (NC)
TRANSITION +79.75 S=+6.00%
FULL SUPER S=+6.00%
TRANS +87.44 S=+6.00%
VARIES
PVI STA 1277+83.09 EL 674.52
PVI STA 1279+34.69 EL 677.35
PVC STA 1279+50.00 EL 677.61
PVI STA 1282+50.00 EL 682.65
HI 1281+27.46 EL 679.10
1.68%
4.00%
-4.00%
FINISHED PROFILE GRADE RAMP A-W. 21ST ST.
RAMP A STA 1286+33.44 MATCHLINE RAMP E STA 13+45.34
PVT STA 1285+50.00 EL 670.65
L= 600.00'
K= 105.63
SPECIAL DITCH LEFT
-0.30%
0.56%
EXISTING GRADE @ RAMP A-W. 21ST ST. S.
PVI STA 1277+83.09 EL 646.11 SP DT LT.
PVI STA 1279+22.00 EL 645.69 SP DT LT.
PVI STA 1284+22.00 EL 648.48 SP DT LT.

EXIST. / PROP.

| | | | |

SEC 17 T19N R12E

SCALE 0 50 100 150

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

PRES.R/W
S 57TH W AVE
TUG
+98.14 468.20'
+83.92 444.65'
+92.77 353.31'
+24.77 352.14'
℄ TRAIL
TOC/TOS (TRAIL)
TOC/TOS (MAINLINE)
CONSTRUCT FENCE STYLE CLASS A 8' CLF FROM STA. 251+30.75 TO STA. 272+09.17 2,219 L.F. (MAINLINE)
POB RAMP B-W. 21ST ST. 2254+00.00
255+00
250+00
260+00
PC RAMP B-W. 21ST ST. 2259+52.29
2260+00
C.R.L.
℄ RAMP B - W. 21ST ST. S.
RP-20
STA. 2262+00
TOC/TOS (RAMP B)
BRIDGE G
BRIDGE F
GILCREASE EXPRESSWAY
+05.55 47.44'
+00.00 315.00'
STA. 2254+00.00
BEGIN CONSTRUCTION
℄ RAMP B-W. 21ST ST. S.

50% plans

LEGEND

- PROPOSED PAVEMENT
- TRAIL
- XXX DRAINAGE STRUCTURE
- CABLE BARRIER
- XXX PARCEL #
- LIGHT POLE
- BORE HOLE

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℄, ℄.

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PROFILE SHEET R120

SEC 17 T19N R12E

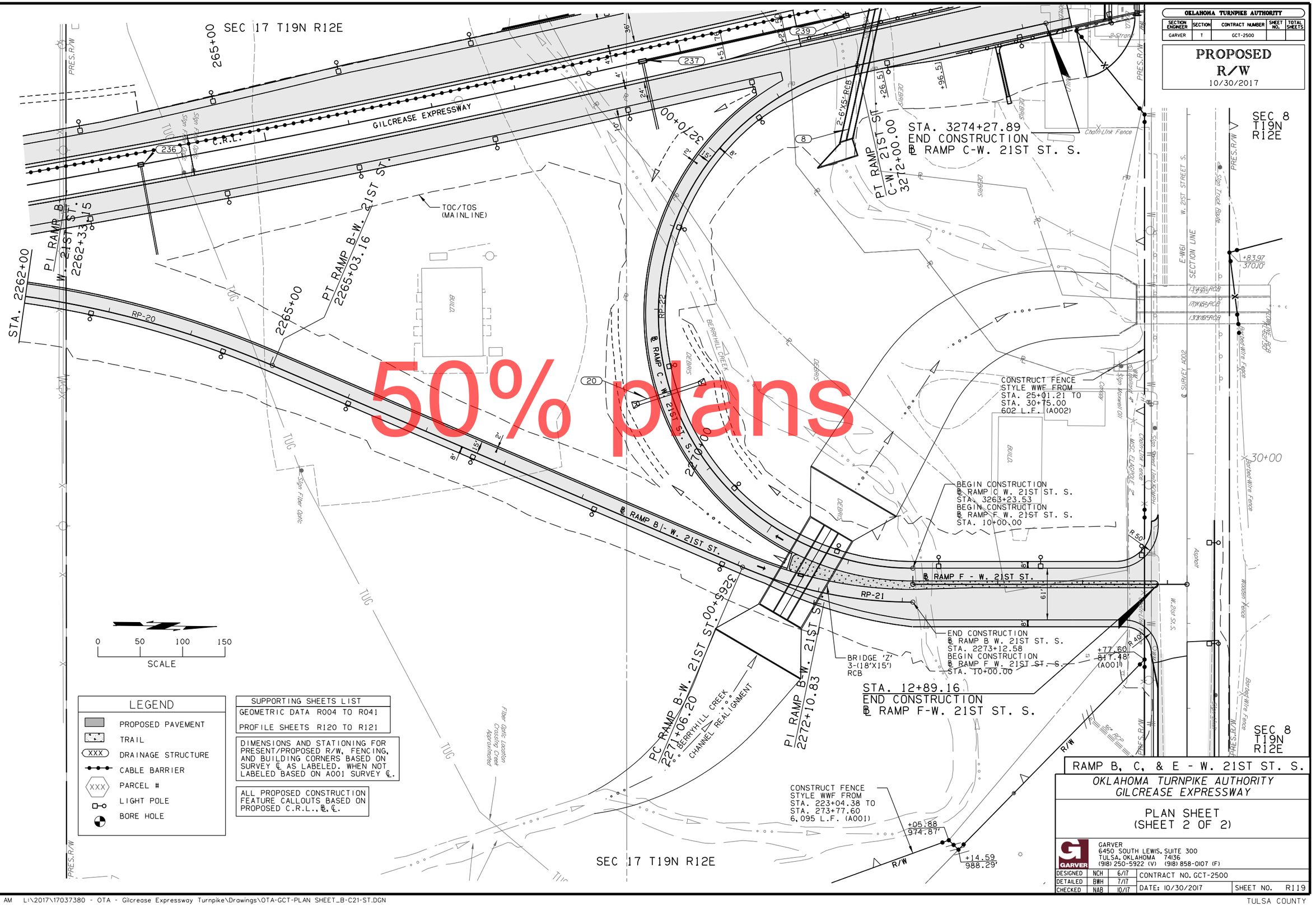
RAMP B - W. 21ST ST. S.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN SHEET
(SHEET 1 OF 2)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R118



50% plans

OKLAHOMA TURNPIKE AUTHORITY

SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

LEGEND

- PROPOSED PAVEMENT
- TRAIL
- XXX DRAINAGE STRUCTURE
- CABLE BARRIER
- XXX PARCEL #
- LIGHT POLE
- BORE HOLE

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PROFILE SHEETS R120 TO R121

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℄, ℄.

RAMP B, C, & E - W. 21ST ST. S.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN SHEET
(SHEET 2 OF 2)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500
DETAILED	BWH	7/17	
CHECKED	NAB	10/17	DATE: 10/30/2017 — SHEET NO. R119

OKLAHOMA TURNPIKE AUTHORITY

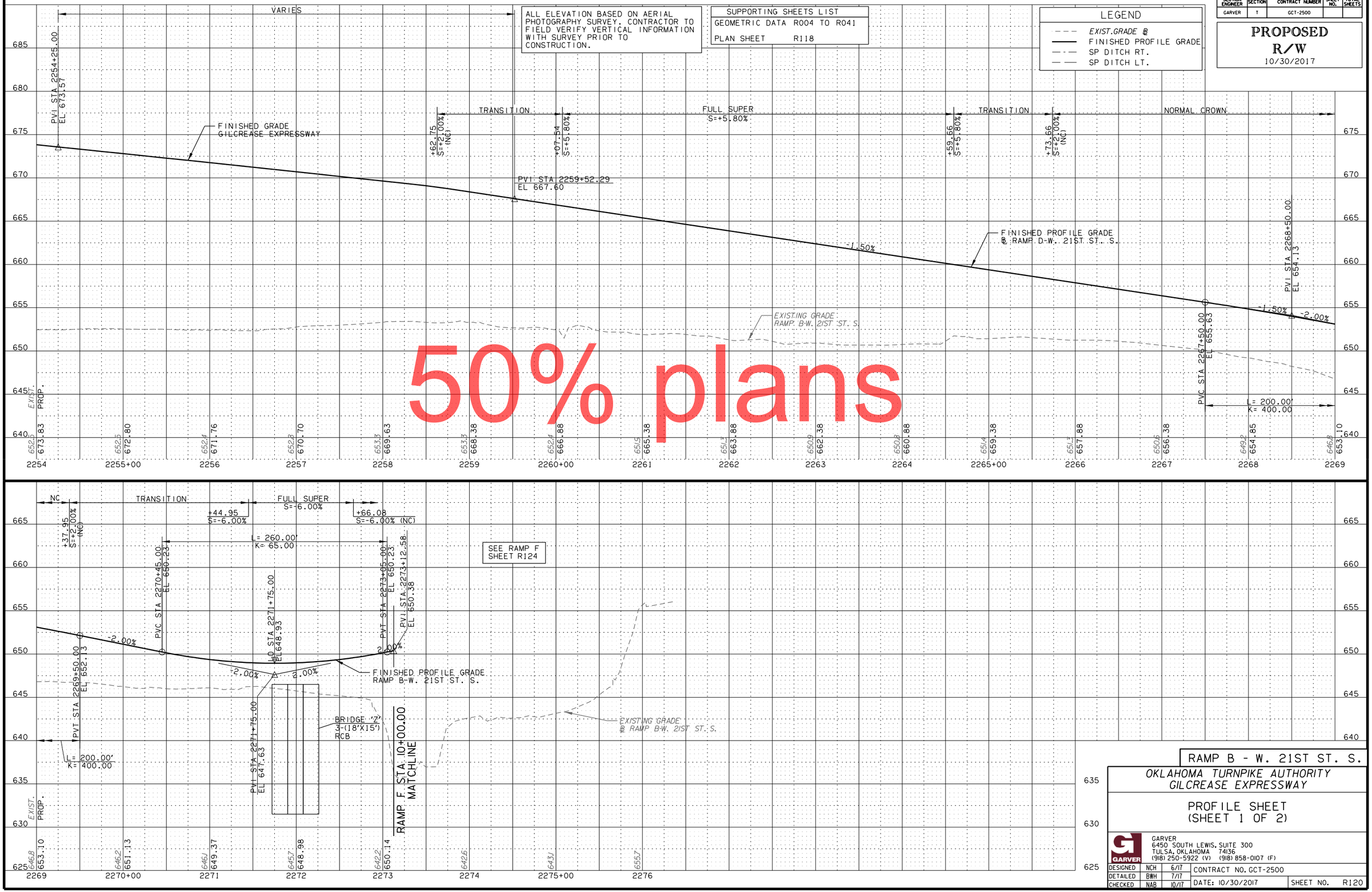
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PLAN SHEET R118

LEGEND
- *EXIST. GRADE ℄*
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.



50% plans

RAMP B - W. 21ST ST. S.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET
(SHEET 1 OF 2)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R120

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PLAN SHEETS R118 TO R119

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

LEGEND
- *EXIST. GRADE ℄*
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

50% plans

SCALE:
HORIZ.: 1"=50'
VERT.: 1"=10'

TRANS. +56.78 S=+6.00%
FULL SUPER S=+6.00%
+66.75 S=+6.00% TRANS. +53.89 S=+2.00% (NC)
VARIES
L= 250.00'
K= 62.50

SEE RAMP F SHEET R124

RAMP F STA 10+00.00 MATCHLINE

PVI STA 3263+23.53 EL 648.61
PVC STA 3263+25.00 EL 648.58
-2.00%
PVI STA 3264+50.00 EL 647.33
2.00%
2.00%
PVI STA 3264+50.00 EL 646.08
BRIDGE Z 3-(18'X15')RCB
PVT STA 3265+75.00 EL 648.58
PVI STA 3265+45.00 EL 646.03 SP DT LT.
PVI STA 3265+50.00 EL 643.67 SP DT RT.
-1.96%
3.78%
SPECIAL DITCH LEFT
SPECIAL DITCH RIGHT
PVI STA 3267+00.00 EL 643.00 SP DT LT.
PVI STA 3267+00.00 EL 638.00 SP DT RT.
6.05%
12.77%
PVI STA 3267+80.00 EL 648.22 SP DT RT.
PVI STA 3268+00.00 EL 649.05 SP DT LT.
C.R.L. STA. 3267+00.00 (20)
CONST. 48"X80" RCP
W/END SECTIONS
FL LT. EL=642.47
FL RT. EL=638.73
FINISHED PROFILE GRADE ℄ RAMP C-W. 21ST ST. S.
2.00%
EXISTING GRADE RAMP C-W. 21ST ST.S.
PVI STA 3271+3.5 ℄ EL 659.35
PVI STA 3272+53.89 EL 662.16
FINISH GRADE GILCREASE EXPRESSWAY
C.R.L. STA. 3272+07.27 (8)
CONST. (2)6'X5'X321' RC BOX
W/END SECTIONS
FL EL=633.33'

EXIST. 6449 6428 6359 6449 647.53 6457 647.53 6459 649.08 6477 651.08 6483 653.08 6343 655.08 6411 657.08 6430 659.08 6314 661.15
PROP.

3260+00 3261 3262 3263 3264 3265+00 3266 3267 3268 3269 3270+00 3271 3272 3273 3274 3275+00

RAMP C - W. 21ST ST. S.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET
(SHEET 2 OF 2)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R121

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

0 50 100 150
SCALE

POB RAMP E-W. 21ST ST. S.
10+00.00
PC RAMP E
W. 21ST ST. S.
10+30.61
PI RAMP E
W. 21ST ST. S.
11+88.10
SEC 8 T19N R12E

STA. 208+28.75 LT
CONSTRUCT 28'
CONC. RETURN W/
GRAVEL DRIVE

TEMP R/W
TO CONST.
DRIVEWAY

CONSTRUCT FENCE
STYLE WWF FROM
STA. 279+28.05 TO
STA. 283+46.05
551 L.F. (A001)

STA. 4278+85.80 TO
STA. 4280+29.16
INSTALL GUARDRAIL
W/G.E.T.

CONSTRUCT FENCE
STYLE CLASS A 8'
CLF FROM STA.
280+01.06 TO STA.
282+35.50 390
L.F. (MAINLINE)

℄ TRAIL

CONSTRUCT FENCE
STYLE WWF FROM
STA. 13+22.04 TO
STA. 14+10.90
89 L.F. (A002)

℄ RAMP D - W. 21ST ST. S.

℄ RAMP E - W. 21ST ST. S.

℄ RAMP A - W. 21ST ST. S.

BEGIN CONSTRUCTION ℄ RAMP B
W. 21ST ST. S.
STA. 4278+70.67=
END CONSTRUCTION ℄ RAMP E
W. 21ST ST. S.
STA.13+45.34

TOS/TOC
(RAMP A)

STA. 10+31.27
BEGIN CONSTRUCTION
℄ RAMP E-W. 21ST ST S.

SEC 8 T19N R12E

BRIDGE L

CONSTRUCT FENCE
STYLE WWF FROM
STA. 13+94.25 TO
STA. 26+16.27
974 L.F. (A002)

BRIDGE K

STA. 4288+66.52
END CONSTRUCTION
℄ RAMP D-W. 21ST ST. S.

STA. 4284+90.64 TO
STA. 4287+60.05
INSTALL GUARDRAIL
W/G.E.T.

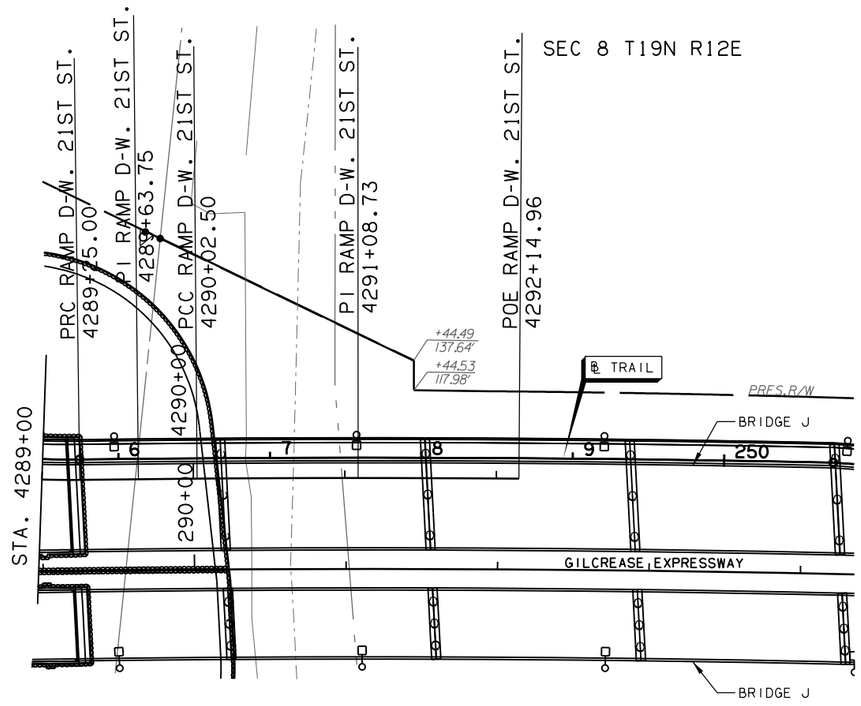
STA. 4284+90.64 TO
STA. 4285+77.77
INSTALL GUARDRAIL
W/G.E.T.

PC RAMP D-W. 21ST ST.
4285+32.82

PI RAMP D-W. 21ST ST.
4287+38.73

GILCREASE EXPRESSWAY

50% plans



0 50 100 150
SCALE

LEGEND

- PROPOSED PAVEMENT
- TRAIL
- XXX DRAINAGE STRUCTURE
- CABLE BARRIER
- XXX PARCEL #
- LIGHT POLE
- BORE HOLE

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PROFILE SHEET R123

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℄, ℄.

RAMP D - W. 21ST ST. S.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN SHEET

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R122

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PLAN SHEET R122

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

SEE RAMP E SHEET R124

LEGEND
- EXIST. GRADE @
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

BRIDGE 'L'
363.58'
82'-170'-112' STEEL GIRDER BEAM
40'-0" CLEAR ROADWAY & 14.06' TRAIL
W/ 42" F-SHAPED PARAPETS
& CONCRETE PARAPETS

BEGIN BRIDGE 'L'
STA. 4280+75.00
P.G. ELEV. 675.50

END BRIDGE 'L'
STA. 4284+38.58
P.G. ELEV. 681.26

MATCHLINE RAMP E
STA. 13+45.34

PVI STA 4278+70.67
EL 667.33

PVC STA 4280+80.00
EL 675.70

PVI STA 428 +80.00
EL 679.70
0.60%

PVT STA 4282+80.00
EL 680.30

4.00%

L= 200.00'
K= 58.82

FINISHED PROFILE GRADE @ RAMP D-W. 21ST ST. S.

VARIES

PVI STA 4287+66.37
EL 683.22

PVI STA 4290+02.50
EL 683.82

0.60%

+90.64
S=2.00%

+40.64
S=4.00%

TRANS.

SHOULDERS NORMAL CROSS SLOPE

C.R.L. STA. 4285+35.00 (21)
CONST. 24"X184' RCP
W/END SECTIONS
FL LT. EL=662.82
FL RT. EL=659.15

LANE

NORMAL CROWN

TRANSITION

FULL SUPER
S=+6.00%

TRANSITION

+64.62
S=2.00%
(NC)

+86.62
S=6.00%

+78.50
S=6.00%

+02.50
S=2.00%
(NC)

EXISTING BURLINGTON NORTHERN RAILROAD TRACK

EXISTING GRADE @ RAMP D-W. 21ST ST. S.

PROFILE GRADE LINE SHIFT

SHOULDERS NORMAL CROSS SLOPE

TRANS.

+78.89
S=4.00%

+28.89
S=2.00%

-18.65%

-2.75%

SPECIAL DITCH LEFT

0.40%

PVI STA 4285+66.00
EL 648.58 SP DT LT.

PVI STA 4286+06.00
EL 641.15 SP DT LT.

PVI STA 4286+41.00
EL 640.18 SP DT LT.

PVI STA 4288+46.00
EL 641.00 SP DT LT.

C.R.L. STA. 4287+56.04
CONST. 24"X464' RCP
W/END SECTIONS
FL EL=637.35' (10)

EXIST. 657.7 652.9 650.7 648.6 646.4 645.3 643.8 648.4 646.1 647.9 647.5 647.7 643.2 642.9 646.3 619.8

PROP. 668.50 672.50 676.47 679.28 680.42 681.02 681.62 682.22 682.82 683.48 683.97 683.82

700 695 690 685 680 675 670 665 660 655 650 645 640 635 630 625 620 615 610 605 600

4276 4277 4278 4279 4280+00 4281 4282 4283 4284 4285+00 4286 4287 4288 4289 4290+00 4291

50% plans

RAMP D - W. 21ST ST. S.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R123

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

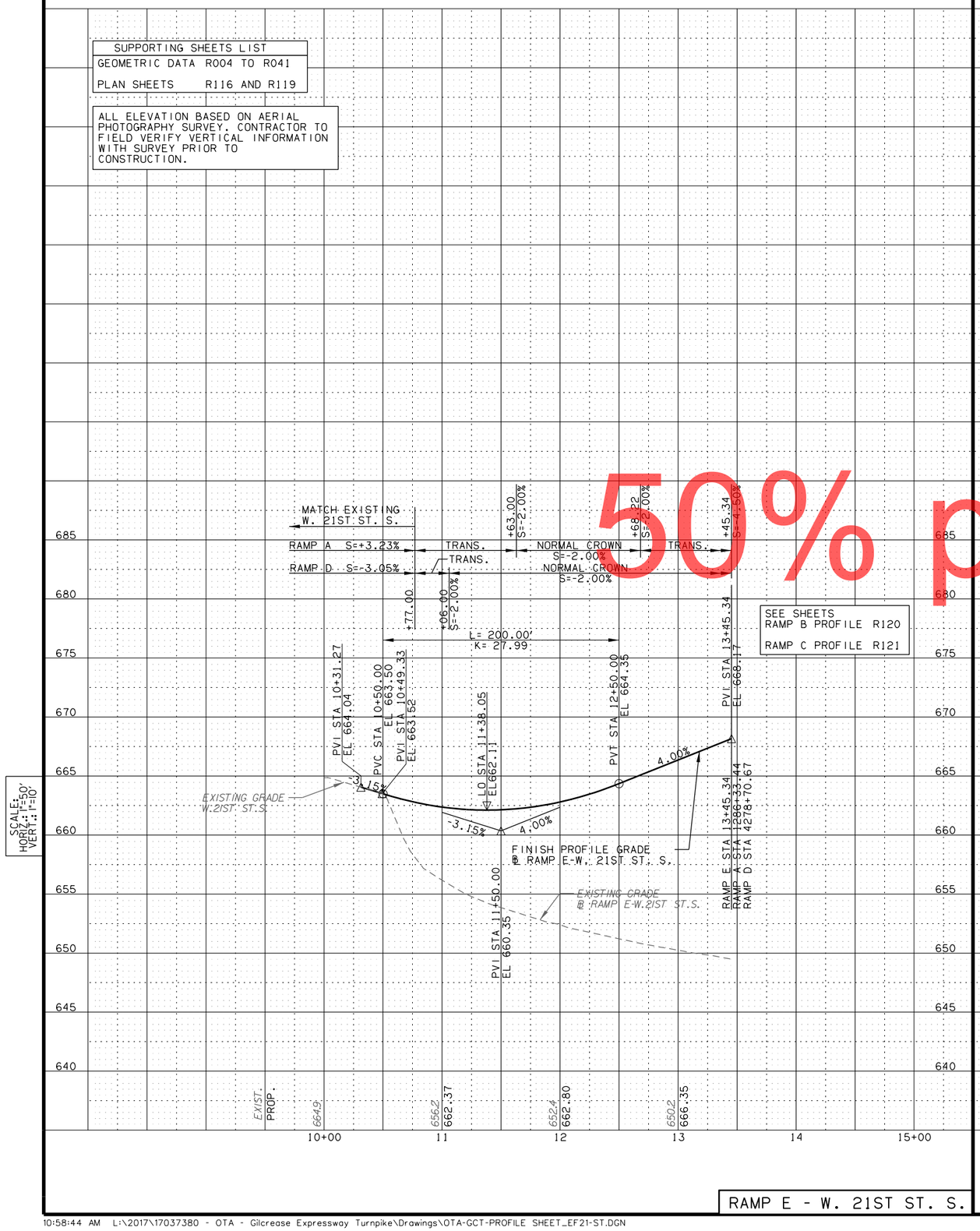
PROPOSED R/W
10/30/2017

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PLAN SHEETS R116 AND R119

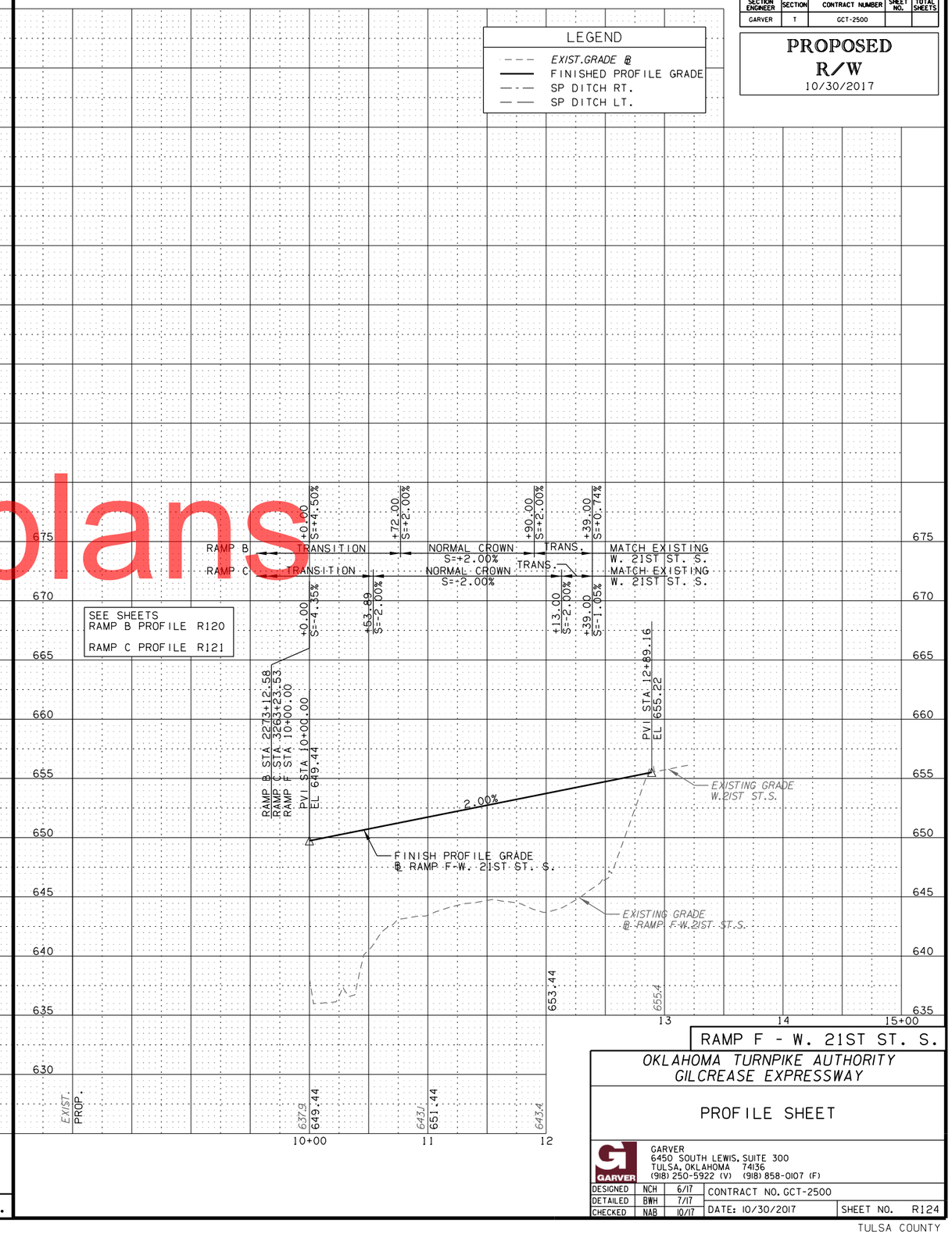
ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

LEGEND
- EXIST.GRADE @
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

50% plans



RAMP E - W. 21ST ST. S.



RAMP F - W. 21ST ST. S.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R124

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℞, ℄.

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041

LEGEND
- PROPOSED PAVEMENT
- TRAIL
- DRAINAGE STRUCTURE
- CABLE BARRIER
- PARCEL #
- LIGHT POLE
- BORE HOLE

OKLAHOMA TURNPIKE AUTHORITY

SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SEC 29 T19N R12E

STA. 514+00 — STA. 515+00 — STA. 520+00.00 — STA. 525+00 — STA. 529+00

℄ S. 57TH W. AVE AT W. 51ST ST.

℄ W. 51ST ST.

℄ RAMP C-51ST

℄ RAMP A-51ST

PI W 51ST ST. STA. 520+00.00

CONSTRUCT FENCE STYLE CLASS A 8' CLF FROM STA. 120+20.17 TO STA. 169+18.67 5,157 L.F. (MAINLINE)

CONSTRUCT FENCE STYLE WWF FROM STA. 120+75.74 TO STA. 129+50.00 936 L.F. (A001)

CONSTRUCT FENCE STYLE WWF FROM STA. 55+50.00 TO STA. 57+12.93 373 L.F. (A010)

CONSTRUCT FENCE STYLE WWF FROM STA. 62+90.50 TO STA. 67+95.41 505 L.F. (A010)

SCALE
0 50 100 150

STA. 517+75 LT CONSTRUCT 12' CONCRETE DRIVE

STA. 522+40 LT CONSTRUCT 12' CONCRETE DRIVE

TOC/TOS

TOC/TOS (51ST ST.)

CONSTRUCT FENCE STYLE CLASS A CLF FROM STA. 51+50.00 TO STA. 53+46.38 203 L.F. (A010)

STA.516+25 RT CONSTRUCT 36' CONCRETE DRIVE W/36' GATE

STA.517+25 RT CONSTRUCT 30' CONCRETE DRIVE W/30' GATE

CONSTRUCT FENCE STYLE CLASS A CLF FROM STA. 54+49.38 TO STA. 54+79.38 67 L.F. (A010)

CONSTRUCT FENCE STYLE CLASS A CLF FROM STA. 54+79.38 TO STA. 57+39.45 264 L.F. (A010)

CONSTRUCT FENCE STYLE WWF FROM STA. 57+39.45 TO STA. 62+31.06 492 L.F. (A010)

STA.525+04 RT CONSTRUCT 24' CONCRETE DRIVE W/24' GATE

CONSTRUCT FENCE STYLE WWF FROM STA. 62+55.06 TO STA. 65+75.74 321 L.F. (A010)

TEMP. R/W TO CONSTRUCT SHOO-FLY 1

SEC 32 T19N R12E

50% plans

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

SCALE: HORIZ.: 1"=50' VERT.: 1"=10'

LEGEND
- EXIST.GRADE ℄
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

STA. 515+80 BEGIN CONSTRUCTION W. 51ST ST.

PAVEMENT WIDENING & OVERLAY

PVI STA 520+00.00 EL 776.12

PVC STA 520+50.00 EL 780.32

SAME POINT

PVI STA 523+75.00 EL 807.62

PVI STA 527+00.00 EL 802.42

PVI STA 528+85.00 EL 794.00 SP DT RT.

HI 525+96.00 EL 803.25

8.40% -1.60% -4.50%

L= 650.00' K= 65.00

L= 650.00' K= 65.00

EXISTING GRADE ℄ W.51ST ST.

FINISHED PROFILE GRADE ℄ W. 51ST ST.

SP DITCH RT

MATCH EXISTING — TRANSITION — NORMAL CROWN

+00.00 EXISTING

+00.00 S=-2.00% (NC)

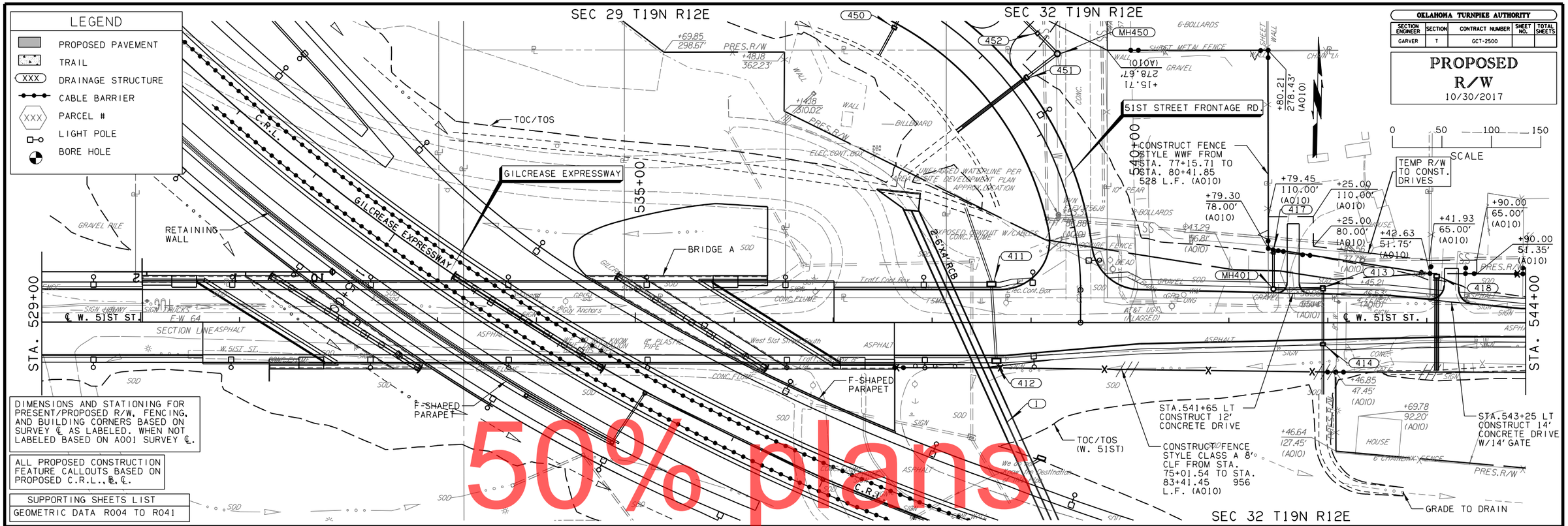
W. 51ST ST.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN AND PROFILE SHEET
(SHEET 1 OF 3)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500
DETAILED	BWH	7/17	
CHECKED	NAB	10/17	DATE: 10/30/2017 SHEET NO. R125


LEGEND
PROPOSED PAVEMENT
TRAIL
DRAINAGE STRUCTURE
CABLE BARRIER
PARCEL #
LIGHT POLE
BORE HOLE
SEC 29 T19N R12E
SEC 32 T19N R12E
OKLAHOMA TURNPIKE AUTHORITY
SECTION ENGINEER: GARVER
SECTION: T
CONTRACT NUMBER: GCT-2500
SHEET NO.
TOTAL SHEETS
PROPOSED R/W
10/30/2017
SCALE
0 50 100 150
GILCREASE EXPRESSWAY
TOC/TOS
BRIDGE A
RETAINING WALL
F-SHAPED PARAPET
51ST STREET FRONTAGE RD.
+CONSTRUCT FENCE STYLE WWF FROM STA. 77+15.71 TO STA. 80+41.85 528 L.F. (A010)
TEMP R/W TO CONST. DRIVES
STA.541+65 LT CONSTRUCT 12' CONCRETE DRIVE
CONSTRUCT FENCE STYLE CLASS A 8' CLF FROM STA. 75+01.54 TO STA. 83+41.45 956 L.F. (A010)
STA.543+25 LT CONSTRUCT 14' CONCRETE DRIVE W/14' GATE
TOC/TOS (W. 51ST)
GRADE TO DRAIN
C.R.L.
C W. 51ST ST.
STA. 529+00
STA. 544+00
DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.
ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℄ ℄.
SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
50% plans
BEGIN BRIDGE
STA. 531+21.19
P.G. ELEV 795.68
BRIDGE 'A' - 521.31'
86'-185'-165'-86' PLATE GIRDER BEAM
66'-0" CLEAR ROADWAY
W/ SIDEWALK AND 42" F-SHAPED PARAPETS
END BRIDGE
STA. 536+42.50
P.G. ELEV. 781.93
LEGEND
EXIST.GRADE ℄
FINISHED PROFILE GRADE
SP DITCH RT.
SP DITCH LT.
ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.
SCALE: HORIZ.: 1"=50' VERT.: 1"=10'
-1.60%
-4.50%
-0.30%
-0.00%
4.00%
-4.80%
-2.90%
PVC STA 531+50.00 EL 795.22
PVI STA 534+75.00 EL 790.02
PVT STA 538+00.00 EL 775.39
PVC STA 543+00.00 EL 752.89
PVI STA 533+00.00 EL 756.11 SP DT LT.
L= 650.00' K= 224.14
PVI STA 537+45.00 EL 754.77 SP DT LT.
PVI STA 537+95.00 EL 754.77 SP DT LT.
PVI STA 538+70.00 EL 757.77 SP DT LT.
L= 300.00' K= 93.75
PVI STA 542+50.00 EL 749.92 SP DT RT.
PVI STA 543+10.00 EL 747.04 SP DT RT.
C.R.L. STA. 538+31.11 CONST. (2) 6'X4'X556' RC BOX W/END SECTIONS FL EL=751.71'
EXISTING GRADE ℄ W.51ST ST.
FINISHED PROFILE GRADE GILCREASE EXPRESSWAY
FINISHED PROFILE GRADE ℄ W. 51ST ST.
EXIST.
PROP.
W. 51ST ST.
OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY
PLAN AND PROFILE SHEET
(SHEET 2 OF 3)
GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)
DESIGNED RAH 6/17
DETAILED BWH 7/17
CHECKED NAB 10/17
CONTRACT NO. GCT-2500
DATE: 10/30/2017
SHEET NO. R126
10:59:04 AM L:\2017\17037380 - OTA - Gilcrease Expressway Turnpike\Drawings\OTA-GCT-PLAN-PROFILE_51-ST-02.DGN
TULSA COUNTY

OKLAHOMA TURNPIKE AUTHORITY

SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℄.

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041

LEGEND
- PROPOSED PAVEMENT
- TRAIL
- XXX DRAINAGE STRUCTURE
- CABLE BARRIER
- XXX PARCEL #
- LIGHT POLE
- BORE HOLE

0 50 100 150
SCALE

STA. 544+00
STA.544+60 LT CONSTRUCT 12' CONCRETE DRIVE
STA.545+15LT CONSTRUCT 36' CONCRETE DRIVE
545+00
546+52.86 PI W. 51ST ST.
550+00
551+50.00 POE W. 51ST ST.
℄ W. 51ST ST.
SURVEY ℄ (A010)
PRES.R/W
CONSTRUCT FENCE STYLE WWF FROM STA. 75+01.44 TO STA. 83+41.54 956 L.F. (A010)
GRADE TO DRAIN
6' CHAINLINK FENCE
Plce Rail Fence
Chain-Link Fence
Mailboxes
Sign A-One
Gate
Asphalt
Gravel
9-Strand
Barbed Wire
Building
BUILD.
420 R/W
421
419
415
416
85'
46.21'

50% plans

SCALE: HORIZ.: 1"=50' VERT.: 1"=10'

L= 300.00'
K= 93.75
NORMAL CROWN S=-2.00%
TRANS.
+50.00
+00.00 MATCH EXISTING
PVT STA 546+00.00 EL 744.19
STA. 546+00 END CONSTRUCTION W. 51ST ST.
FINISHED PROFILE GRADE ℄ W. 51ST ST.
EXISTING GRADE W.51ST ST.
-4.50%
-1.30%
-2.90%
0.00%
2.00%
PVI STA 544+50.00 EL 746.14
PVI STA 545+60.00 EL 739.179 SP DT RT.
PVI STA 545+70.00 EL 739.179 SP DT RT.
PVI STA 546+00.00 SP DT RT EL 743.39
EXIST. 747.5
PROP. 749.29
745.8 746.39
744.2 744.29
743.4
742.1
740.9
739.9
738.8
SP DITCH RT.

LEGEND
- EXIST.GRADE ℄
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

765 760 755 750 745 740 735 730 725
544 545 546 547 548 549 550 551 552

W. 51ST ST.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN AND PROFILE SHEET
(SHEET 3 OF 3)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500
DETAILED	BWH	7/17	
CHECKED	NAB	10/17	DATE: 10/30/2017 SHEET NO. R127

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SCALE 0 50 100 150

LEGEND
- PROPOSED PAVEMENT
- TRAIL
- XXX DRAINAGE STRUCTURE
- CABLE BARRIER
- XXX PARCEL #
- LIGHT POLE
- BORE HOLE

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℄.

SEC 20 T19N R12E

POB 41ST ST. S. 400+00.00

STA. 400+45.03 BEGIN CONSTRUCTION

TEMP. R/W FOR CHANNEL GRADING

TEMP. R/W FOR CHANNEL GRADING

TEMP. R/W TO CONSTRUCT DRIVEWAY

℄ S. 57TH W. AVE AT 41ST

PI W. 41ST ST. 404+88.87

PI W. 41ST ST. 410+00.00

PI W. 41ST ST. 414+00.00

STA. 415+00

BERRYHILL TRIBUTARY

S.57TH W.AVE

BRIDGE C

RAMP D-W.41ST ST.S.

RAMP B-W.41ST ST.S.

RAMP A-W.41ST ST.S.

GILCREASE EXPRESSWAY

℄ W. 41ST ST. S.

SURVEY ℄ A009

RAISED CONCRETE ISLAND

℄ TRAIL

F-W 63 SECTION LINE

STA. 404+24 LT CONST. 36' ASPHALT DRIVE

STA. 401+38 RT CONST. 18' CONC. DRIVE

STA. 402+87 RT CONST. 15' CONC. DRIVE

STA. 403+35 RT CONST. 15' CONC. DRIVE

STA. 404+17 RT CONST. 18' CONC. DRIVE

STA. 404+55 RT CONST. 16' CONC. DRIVE

STA. 407+00 LT CONST. 36' CONC. DRIVE

BRIDGE 'X' CONSTRUCT 2-(10'X12') RCB EXTEND (LT&RT)

CONSTRUCT FENCE STYLE WWF FROM STA. 11+70.00 TO STA. 16+26.51 457 L.F. (A009)

CONSTRUCT FENCE STYLE CLASS A 8' CLF FROM STA. 120+20.17 TO STA. 169+15.67 5157 L.F. (MAINLINE)

TEMP. R/W TO CONSTRUCT DRAINAGE STRUCTURE

MH500 MH501 MH502 MH503 MH504 MH505 MH506 MH507

500 501 502 503 504 505 506 507 514

50% plans

SEC 29 T19N R12E

LEGEND
- EXIST.GRADE ℄
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

SCALE: HORIZ.: 1"=50' VERT.: 1"=10'

PVI STA 400+45.03 EL 709.11 — L= 250.00' K= 92.59

PVC STA 402+00.00 EL 705.85

PVT STA 404+50.00 EL 703.98

℄ STA 403+94.44 EL 703.81

PVI STA 403+25.00 EL 703.23

+86.60 MATCH EXISTING TRANS. +25.00 S=-2.00% NORMAL CROWN

FINISHED PROFILE GRADE ℄ W. 41ST ST. S.

EXISTING GRADE ℄ W.41ST ST.S.

PVC STA 407+00.00 EL 705.48 — L= 400.00' K= 285.71

HI 408+71.43 EL 705.99

PVI STA 409+00.00 EL 706.68

PVT STA 411+00.00 EL 705.08

PVC STA 412+00.00 EL 704.28

℄ STA 413+20.75 EL 703.80

PVI STA 414+00.00 EL 702.68 — L= 400.00' K= 150.94

-2.10% -2.10% 0.60% 0.60% 0.60% -0.80% -0.80% -0.80% 1.85%

EXIST. 707.95 705.9 705.85 704.2 704.29 703.8 703.81 704.3 704.28 704.9 704.88 704.9 705.48 704.7 705.90 704.5 705.98 703.9 705.70 703.9 705.08 703.9 704.28

PROP.

400+00 401 402 403 404 405+00 406 407 408 409 410+00 411 412

704.0 703.81 704.3 704.00 705.2 704.86

413 414 415+00

715 710 705 700 695 690 685 680

W. 41ST ST. S.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN AND PROFILE SHEET (SHEET 1 OF 2)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500
DETAILED	BWH	7/17	
CHECKED	NAB	10/17	DATE: 10/30/2017 — SHEET NO. R128

SEC 29 T19N R12E

OKLAHOMA TURNPIKE AUTHORITY

SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SCALE: 0 50 100 150

LEGEND
- PROPOSED PAVEMENT
- TRAIL
- DRAINAGE STRUCTURE
- CABLE BARRIER
- PARCEL #
- LIGHT POLE
- BORE HOLE

STA. 415+00

℄ S. 55TH W. AVE.

℄ S. 53RD W. AVE.

℄ W. 41ST ST. S.

CONSTRUCT FENCE STYLE WWF FROM STA. 22+32.01 TO STA. 25+47.06 477 L.F. (A002)

CONSTRUCT FENCE STYLE WWF FROM STA. 418+49.02 TO STA. 421+36.68 527 L.F. (℄ 41ST)

STA. 421+30 LT CONSTRUCT 12' ASPHALT DRIVE

CONSTRUCT FENCE STYLE WWF FROM STA. 100+28.97 TO STA. 107+30.00 832 L.F. (℄ S. 53RD W. AVE.)

TOC/TOS (W.41ST)

2-10'X4' RCB

CONSTRUCT FENCE STYLE WWF FROM STA. 21+96.91 TO STA. 24+00.86 204 L.F. (A009)

STA. 417+40 RT CONSTRUCT 24' CONCRETE DRIVE

CONSTRUCT FENCE STYLE WWF FROM STA. 24+60.15 TO STA. 25+47.06 87 L.F. (A009)

STA. 419+10 RT CONSTRUCT 18' CONCRETE DRIVE W/18' GATE

CONSTRUCT FENCE STYLE WWF FROM STA. 418+49.02 TO STA. 419+01.00 53 L.F. (℄ 41ST)

STA. 420+30 RT CONSTRUCT 18' CONCRETE DRIVE W/18' GATE

CONSTRUCT FENCE STYLE WWF FROM STA. 419+19.00 TO STA. 420+21.00 102 L.F. (℄ 41ST)

CONSTRUCT FENCE STYLE WWF FROM STA. 420+39.00 TO STA. 421+66.12 133 L.F. (℄ 41ST)

STA. 422+15 END CONSTRUCTION

50% plans

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℄, ℄.

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.

SEC 29 T19N R12E

SCALE: HORIZ.: 1"=50' VERT.: 1"=10'

LEGEND
- EXIST. GRADE ℄
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

L= 400.00'
K= 150.94

PVI STA 416+00.00 EL 706.38

PVI STA 415+10.00 EL 694.90 SP DT LT.

PVI STA 418+00.00 EL 705.05 SP DT LT.

PVI STA 420+00.00 EL 708.55 SP DT LT.

PVI STA 422+15.00 EL 717.76

PVI STA 422+15.00 SP DT LT. EL 711.05

FINISHED PROFILE GRADE ℄ W. 41ST ST. S.

EXISTING GRADE ℄ W.41ST ST.S.

1.85% 1.25% 3.50%

SPECIAL DITCH (LT)

EXIST.	705.2	706.5	707.9	709.3	711.3	713.3	715.5	717.5	719.4	721.5	723.7	725.6	727.4
PROP.	704.86	706.38	708.23	710.08	711.93	713.78	715.63	717.48					

415+00 416 417 418 419 420+00 421 422 423 424 425+00 426 427

720 715 710 705 700 695 690 685

542 543 544

W. 41ST ST. S.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN AND PROFILE SHEET (SHEET 2 OF 2)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500
DETAILED	BWH	7/17	
CHECKED	NAB	10/17	DATE: 10/30/2017

SHEET NO. R129

50% plans

OKLAHOMA TURNPIKE AUTHORITY

SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

GILCREASE EXPRESSWAY

SUPPORTING SHEETS LIST
GEOMETRIC DATA R001 TO R041

℄ RAMP D W. 21ST ST. S.

℄ RAMP A W. 21ST ST. S.

℄ RAMP E W. 21ST ST. S.

STA. 207+00.00 BEGIN CONSTRUCTION W. 21ST ST. S.

P.I. W. 21ST ST. 207+06.87

CONSTRUCT FENCE STYLE WWF FROM STA. 279+73.94 TO STA. 283+46.05 551 L.F. (A001)

CONSTRUCT FENCE STYLE CLASS A 8' CLF FROM STA. 280+01.06 TO STA. 282+35.50 390 L.F. (MAINLINE)

+20.00 285.00' (A002)

+51.52 260.00' (A002)

+20.00 87.62' (A002)

PRES.R/W

Multiple Birch Various Sizes

48" Pecan

48" Elm

2-10" Walnut

24" Walnut

36" Hackberry

Gate

Sign Bike Trail

8-Strand

Storm

Avery Dr.

Sign Chamber Park

Asphalt

STA. 208+28.75 CONSTRUCT 28' CONC. RETURN W/ GRAVEL DRIVE

CONSTRUCT FENCE STYLE WWF FROM STA. 13+22.04 TO STA. 14+10.90 89 L.F. (A002)

FLUSH MEDIAN (ASPHALT)

SAW CUT (31' LT)

P.I. W. 21ST ST. 212+61.04

P.C. W. 21ST ST. 211+01.41

RAISED CONCRETE ISLAND

℄ TRAIL

SAW CUT W.21st St.S.(18' LT)

℄ W. 21ST ST. S.

SURVEY ℄ (A002)

FLUSH MEDIAN (ASPHALT)

TOC/TOS (RAMP A)

E-W61 SECTION LINE

2-Crape Myrtle Bushes 10' DIA

Sign Speed Limit 50MPH

Sign Truck Route

Satellite Dish

Metal Pole

Sign Gas Line

Sign Gas Check

Sign Gas Vent

Sign Gas Line

Sign No Trucks

Sign Water Left

Sign Water Right

Sign Stop

Sign Swi'Tulsa Map

Sign Do Not Enter

Sign Keep Right

Sign Cherry Hill School

Sign Graduate

Conc.

Asphalt

Gravel

Curb

Ditch

Bollard

Canopy

BUILD.

DEBRIS

Building

Fence

Tree

W. 21ST PL

W. 21ST ST.

S. 57TH W. AVE. AT W. 21ST ST. S.

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℬ, ℄.

STA. 21+21.00 BEGIN CONSTRUCTION W. 21ST PLACE

CONSTRUCT FENCE STYLE WWF FROM STA. 272+25.62 TO STA. 276+16.27 558 L.F. (A001)

4' WOODEN FENCE

LEGEND

- PROPOSED PAVEMENT
- TRAIL
- DRAINAGE STRUCTURE
- CABLE BARRIER
- PARCEL #
- LIGHT POLE
- BORE HOLE

BM#3 SET #6 REBAR; STA. 269+62 214' LT. EL. 660.673'

ADS#118 FOUND 5/8" REBAR WITH 1-1/2" ALUM. CAP STA. 276+97 195' LT EL. 649.122'

0 50 100 150
SCALE

STA. 221+00

SEC 8 T19N R12E

W. 21ST ST. S.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN SHEET
(SHEET 1 OF 2)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R130

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

0 50 100 150
SCALE

BM#3 SET #6 REBAR; STA. 269+62 214' LT.
EL. 660.673'

ADS#118 FOUND 5/8" REBAR WITH 1-1/2" ALUM. CAP STA. 276+97 195' LT
EL. 649.122'

LEGEND
- PROPOSED PAVEMENT
- TRAIL
- XXX DRAINAGE STRUCTURE
- CABLE BARRIER
- XXX PARCEL #
- LIGHT POLE
- BORE HOLE

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℄, ℄.

50% plans

CONSTRUCT FENCE STYLE WWF FROM STA. 275+93.97 TO STA. 281+71.53 575 L.F. (A001)

CONSTRUCT FENCE STYLE WWF FROM STA. 24+45.48 TO STA. 28+46.67 431 L.F. (A002)

BERRYHILL CREEK

STA. 221+00

STA. 225+00

STA. 230+00

STA. 235+00

STA. 234+71.10
END CONSTRUCTION
W. 21ST ST. S.

PRES.R/W

E-W61 SECTION LINE

SURVEY ℄ (A002)

℄ W. 21ST ST. S.

W. 21st St. S.

MIN. 2' SHOULDER PAVEMENT WIDENING

TOC/TOS (W. 21ST ST. S.)

CONSTRUCT FENCE STYLE WWF FROM STA. 25+01.21 TO STA. 30+75.00 602 L.F. (A002)

TOC/TOS (RAMP F)

℄ RAMP F W. 21ST ST. S.

℄ RAMP C W. 21ST ST. S.

℄ RAMP B W. 21ST ST. S.

BRIDGE 'Z'

CONSTRUCT FENCE STYLE WWF FROM STA. 33+86.99 TO STA. 35+41.78 169 L.F. (A002)

CONSTRUCT FENCE STYLE WWF FROM STA. 223+04.38 TO STA. 273+77.60 6095 L.F. (A001)

STA. 231+00 RT CONSTRUCT 36' CONCRETE DRIVE

STA. 232+30 RT CONST. CONC. RETURN

STA. 232+15 RT CONSTRUCT 20' CONCRETE DRIVE

STA. 233+50 RT CONSTRUCT 24' CONCRETE DRIVE

MIN. 2' SHOULDER PAVEMENT WIDENING

MIN. 2' SHOULDER PAVEMENT WIDENING

Gas Pipes

Barbed-Wire Fence

Wooden Fence

Chain-Link Fence

Asphalt

Planter

Sign Truck Route

Sign Speed Limit 50MPH

Sign Maxwell 011

Sign LVL3COM 877-366-8344

Sign Quinn Turn MFG

Sign Gas

Sign Overhead

Sign Stop

Gate

Curb Inlet Grate

5-Strand

Concrete Barrier

Canopy

Building

Ramp Edge

Chain-Link Gate

MISC. FLAGPOLE 2"

36" RCP

24"x15" RCP

17"x15" RCP

13"x15" RCP

FLOWLINE RCB (L=627.50)

601 602 603 604 605 606 607 608 609

MH601 MH602 MH603 MH604 MH605

+04.59 118.83' (A002)

+66.18 142.53' (A002)

+07.85 83.55' (A002)

+71.10

R/W

DEBRIS

BUILD.

SEC 8 T19N R12E

W. 21ST ST. S.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN SHEET
(SHEET 2 OF 2)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17
DETAILED	BWH	7/17
CHECKED	NAB	10/17

CONTRACT NO. GCT-2500

DATE: 10/30/2017

SHEET NO. R131

50% plans

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

℄ W. 51ST ST.
℄ RAMP B-W. 51ST ST.
℄ RAMP D-W. 51ST ST.
℄ W. 51ST FRONTAGE
SEC 29 T19N R12E
PRES.R/W
PC 51ST FRONTAGE 10+36.08
PT 51ST FRONTAGE 14+55.41
PC 51ST FRONTAGE 15+18.51
P.I. 51ST FRONTAGE 12+78.71
2-6'X4' RCB
GRADE TO DRAIN
TOC/TOS (FRONTAGE RD.)
STA. 10+36.77 BEGIN CONSTRUCTION W. 51ST FRONTAGE RD.
STA. 25+25.00 END CONSTRUCTION W. 51ST FRONTAGE
STA. 13+00 RT CONSTRUCT 25' CONCRETE DRIVE
CONSTRUCT FENCE, 15.71 STYLE WWF FROM STA. 77+15.71 TO STA. 80+41.85 528 L.F. (A010)
CONSTRUCT FENCE STYLE WWF FROM STA. 1104+78.58 TO STA. 129+51.48 1839 L.F. (A001)
TEMP. R/W TO CONST. DRAINAGE & DRIVEWAY
MH450
MH451
109+59.68 643.88' (A001)
110+78.82 512.73' (A001)
111+89.43 516.62' (A001)
112+38.18 561.83' (A001)
112+48.98 575.51 (A001)
115+66.84 425.05' (A001)
116+06.36 466.51' (A001)
118+83.73 473.19' (A001)
125+09.12 450.00' (A001)

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℄.

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041

LEGEND
- PROPOSED PAVEMENT
- TRAIL
- XXX DRAINAGE STRUCTURE
- CABLE BARRIER
- XXX PARCEL #
- LIGHT POLE
- BORE HOLE

0 50 100 150
SCALE

W. 51ST FRONTAGE RD.

SCALE: HORIZ.: 1"=50' VERT.: 1"=10'

LEGEND
- EXIST.GRADE ℄
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

W. 51ST ST.
PVI STA 10+36.77 EL 767.96
PVC STA 10+50.00 EL 767.70
L= 600.00' K= 171.43
PVT STA 16+50.00 EL 766.20
FINISH GRADE ℄ W. 51ST FRONTAGE RD.
PVI STA 19+80.00 EL 770.26 SP DT RT.
EXISTING GRADE ℄ W. 51ST FRONTAGE RD.
PVI STA 24+00.00 EL 777.45
PVC STA 22+75.00 EL 775.58
PVC STA 22+96.00 EL 772.85 SP DT LT.
PVI STA 23+37.00 EL 770.86 SP DT LT.
PVI STA 23+47.00 EL 770.86 SP DT LT.
HI 24+41.67 EL 776.83
SP. DITCH LT.
L= 250.00' K= 111.11
MATCH POINT
PVI STA 11+45.00 EL 757.80 SP DT LT.
PVI STA 12+50.00 EL 756.01 SP DT LT.
PVI STA 12+60.00 EL 756.01 SP DT LT.
PVI STA 13+50.00 EL 761.10
PVI STA 14+75.00 EL 758.05 SP DT LT.
PVI STA 17+50.00 EL 767.10 SP DT RT.
PVI STA 18+40.00 EL 766.20 SP DT RT.
PVI STA 25+25.00 EL 776.52
PVI STA 25+20.00 EL 776.74 SP DT LT.
FINISH GRADE W. 51ST FRONTAGE RD.
EXISTING GRADE
SAME POINT
L= 250.00' K= 111.11
TRANSITION
NORMAL CROWN
EXIST.
PROP.
+36.10 S=4.50%
+13.94 S=+2.00% (NC)
-2.00%
1.50%
-1.70%
-0.00%
0.95%
2.90%
1.00%
1.50%
-0.75%
3.40%
4.85%
0.00%

W. 51ST FRONTAGE RD.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN AND PROFILE SHEET

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500
DETAILED	BWH	7/17	
CHECKED	NAB	10/17	DATE: 10/30/2017 SHEET NO. R132

SEC 32 T19N R12E

SEC 29 T19N R12E

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

0 50 100 150
SCALE

LEGEND
- PROPOSED PAVEMENT
- TRAIL
- DRAINAGE STRUCTURE
- CABLE BARRIER
- PARCEL #
- LIGHT POLE
- BORE HOLE

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℞, ℄.

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041

CONSTRUCT FENCE STYLE CLASS A CLF FROM STA. 54+79.38 TO STA. 57+39.45 264 L.F. (A010)

CONSTRUCT FENCE STYLE WWF FROM STA. 55+50.00 TO STA. 57+12.93 373 L.F. (A010)

TOS/TOC (S. 57TH W. AVE.)

P I S. 57TH W. AVE. AT W. 51ST ST. S. 0+56.42

P I S. 57TH W. AVE. AT W. 51ST ST. S. 3+20.00

P I W. 51ST ST. 520+00.00

PRES. R/W

S. 57TH W. AVE.

W. 51st Street

EDGE OF CONCRETE BASE

UNFLAGGED GAS LINE APPROX. LOCATION

UNFLAGGED WATERLINE APPROX. LOCATION

BARBED WIRE FENCE

WEB WIRE FENCE

ASPHALT

4-STRAND

BUILD.

POND

50% plans

SEC 32 T19N R12E

SEC 29 T19N R12E

STA. 0+20.55 BEGIN CONSTRUCTION S. 57TH W. AVE.

STA. 3+20.00 END CONSTRUCTION S. 57TH W. AVE.

LEGEND
- EXIST. GRADE ℄
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

SCALE: HORIZ.: 1"=50' VERT.: 1"=10'

PVI STA 0+20.55 EL 776.03

PVI STA 0+75.00 EL 773.40

PVI STA 1+25.00 EL 769.40

PVI STA 2+00.00 EL 763.40

PVI STA 2+75.00 EL 760.55

PVI STA 3+20.00 EL 758.84

PVC STA 0+50.00 EL 774.15

PVT STA 1+00.00 EL 771.40

PVC STA 1+50.00

PVT STA 2+50.00

-3.00%

-8.00%

-3.80%

L= 150.00'
K= 35.71

L= 50.00'
K= 10.00

FINISHED PROFILE GRADE W. 51ST ST.

FINISHED PROFILE GRADE S. 57TH W. AVE. AT W. 51ST ST.

EXISTING GRADE S.57th W.AVE.

EXIST. PROP.

775.3 7666 771.40 7629 764.19 7596 759.60 755.8

0+00 1 2 3 4

785 780 775 770 765 760 755 750 745 740

810 805 800 795 790 785 780 775 770 765

S. 57TH W. AVE. AT W. 51ST ST.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN AND PROFILE SHEET

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R133

SEC 29 T19N R12E

SEC 20 T19N R12E

STA. 404+17 RT
CONST. 18' CONC. DRIVE
+94.01
114.63'
(A009)

+30.00
62.74'
(A009)

+30.00
146.73'
(A009)

+70.00
63.04'
(A009)

+60.56
704.75'
(A009)

BRIDGE X

+50.00
126.73'
(A009)

+90.00
146.78'
(A009)

+20.00
64.61'
(A009)

STA. 404+24 LT
CONST. 36' ASPHALT DRIVE

STA. 404+55 RT
CONST. 16' CONC. DRIVE

W 41ST ST S

+65.00
58.27'
(A009)

+65.00
98.00'
(A009)

+58.90
148.50'
(A009)

+80.00
98.16'
(A009)

+75.00
98.00'
(A009)

+75.00
70.00'
(A009)

+30.84
114.74'
(A009)

STA. 407+00 LT
CONST. 36' CONC. DRIVE

TEMP. R/W
TO CONST. DRIVE

+01.72
95.00'
(A009)

+01.45
70.00'
(A009)

+40.21
406.91'

+31.42
336.74'

CONSTRUCT FENCE STYLE
WWF FROM STA. 11+70.00
TO STA. 16+26.51
457 L.F. (A009)

BM#18 SET #6 REBAR; STA. 161+07 213' LT.
EL. 708.183'

BM#17 SET #6 REBAR; STA. 168+56 275' LT.
EL. 705.659'

LEGEND

- PROPOSED PAVEMENT
- TRAIL
- XXX DRAINAGE STRUCTURE
- CABLE BARRIER
- XXX PARCEL #
- LIGHT POLE
- BORE HOLE

0 50 100 150
SCALE

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

BERRYHILL TRIBUTARY

TEMP. R/W FOR CHANNEL GRADING

+00.00
530.00'

+00.00
530.00'
(A001)

+00.00
413.31'
(A001)

TOP BEAVER DAM

S. 57TH W. AVE.

PC W. 57TH ST. S.
64+14.17

PRES. R/W

+81.01
348.30'

+21.02
847.24'

TOC (CHANNEL)

TOC (CHANNEL)

60+00

65+00

PI W. 57TH ST. S.
66+43.61

180+00

PC W. 57TH ST. S.
69+50

S 57TH W. AVE.
N 1/4 SEC. LINE
S 89°58'26" W
2,639.83'

522

523

520

521

513

TRAIL

TRAIL

TRAIL

RAMP A - W. 41ST ST.

℄ S. 57TH W. AVE. AT W. 41ST ST. S.

W 41ST ST S

70+00

BRIDGE C

BRIDGE Y
CONSTRUCT
3-(12'X16') RCB

175+00

CONSTRUCT FENCE STYLE
WWF
FROM STA. 171+40.43
TO STA. 187+56.79
1,716 L.F. (MAINLINE)

GILCREASE EXPRESSWAY

BERRYHILL TRIBUTARY
COMPENSATORY STORAGE

C.R.L.

C-2

STA. 57+38.00
BEGIN CONSTRUCTION
℄ S. 57TH W. AVE.
AT W. 41ST ST. S.

SEC 29 T19N R12E

SEC 20 T19N R12E

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℄.

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PROFILE SHEETS R136 TO R137

50% plans

S. 57TH W. AVE. AT W. 41ST ST. S.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN SHEET
(SHEET 1 OF 2)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R134

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

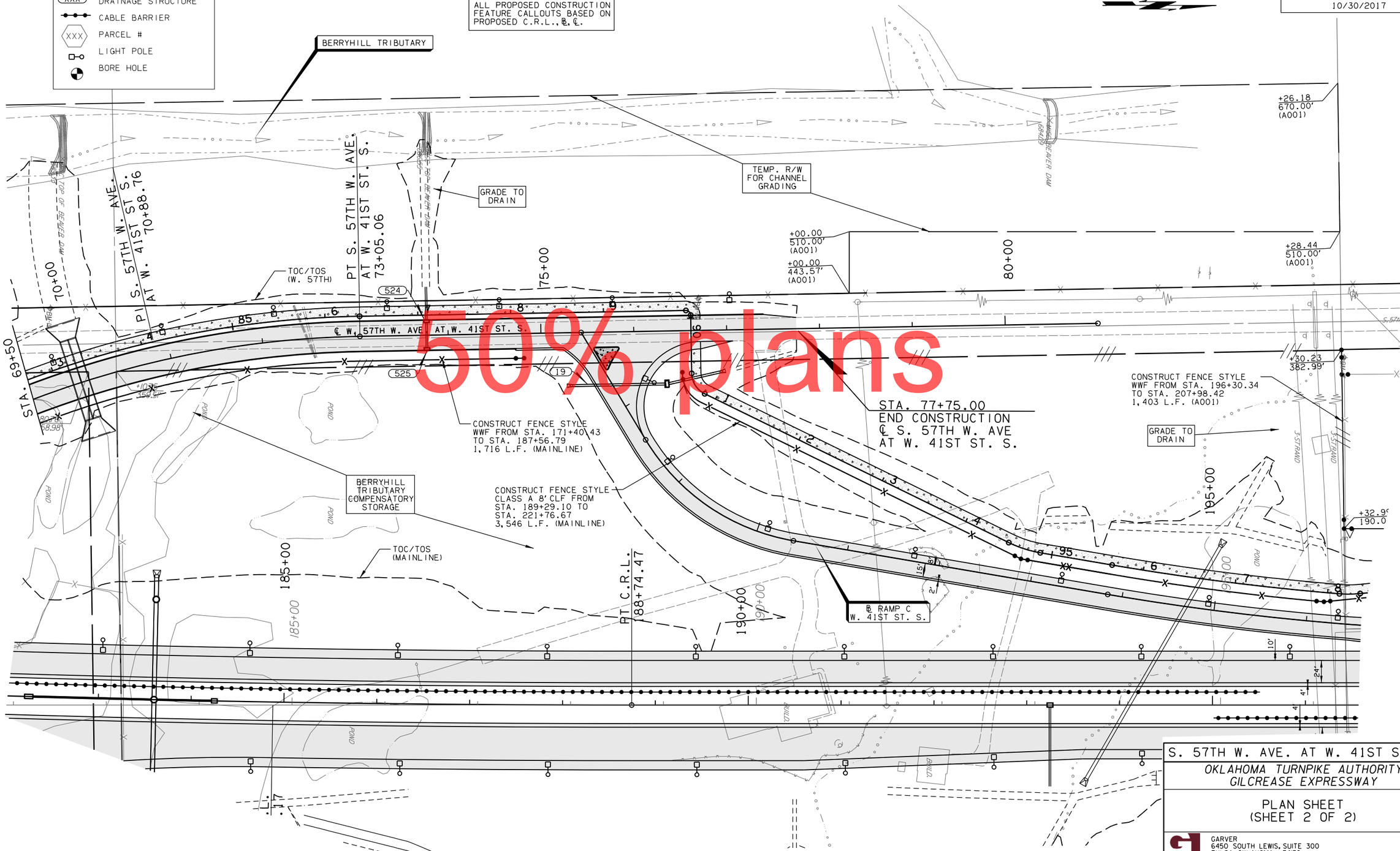
LEGEND
- PROPOSED PAVEMENT
- TRAIL
- XXX DRAINAGE STRUCTURE
- CABLE BARRIER
- XXX PARCEL #
- LIGHT POLE
- BORE HOLE

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℄.

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PROFILE SHEETS R065 TO R084

0 50 100 150
SCALE



50% plans

S. 57TH W. AVE. AT W. 41ST ST. S.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN SHEET
(SHEET 2 OF 2)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17	DATE: 10/30/2017	SHEET NO. R135
CHECKED	NAB	10/17		

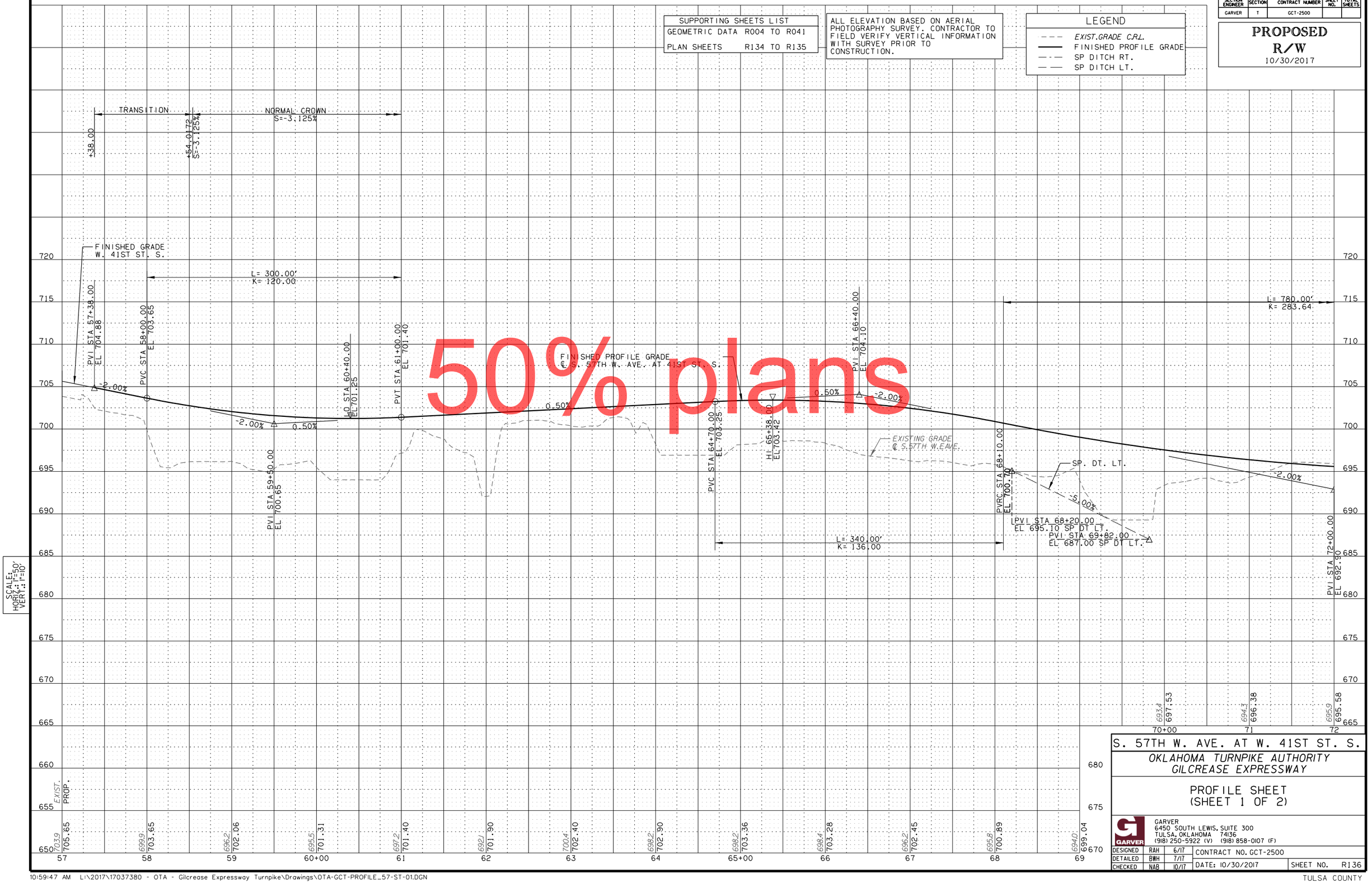
OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SUPPORTING SHEETS LIST	
GEOMETRIC DATA	R004 TO R041
PLAN SHEETS	R134 TO R135

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

LEGEND
- *EXIST. GRADE C.R.L.*
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.



50% plans

SCALE:
HORIZ.: 1"=50'
VERT.: 1"=10'

S. 57TH W. AVE. AT W. 41ST ST. S.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET
(SHEET 1 OF 2)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500
DETAILED	BWH	7/17	
CHECKED	NAB	10/17	DATE: 10/30/2017 SHEET NO. R136

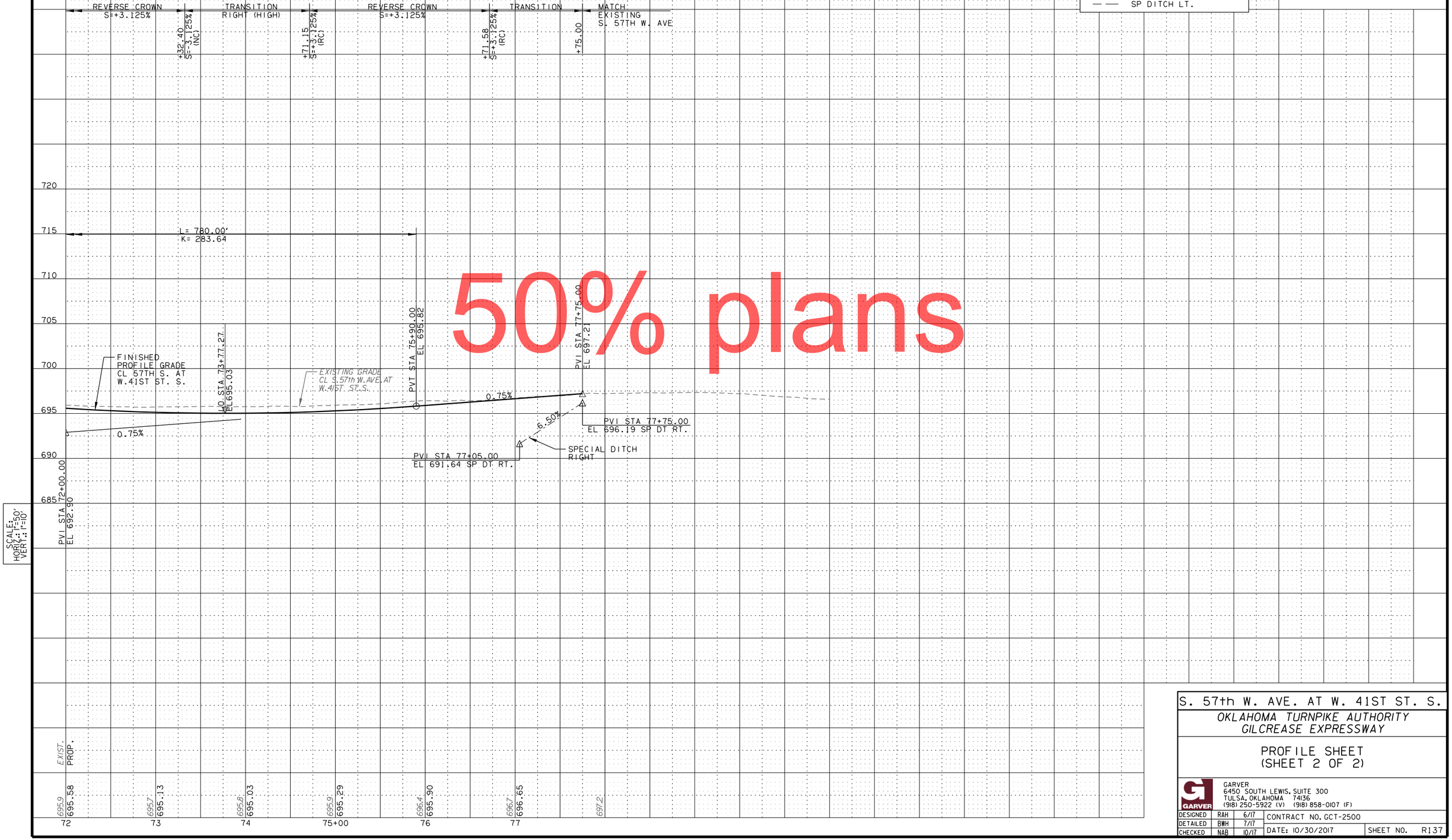
OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SUPPORTING SHEETS LIST	
GEOMETRIC DATA	R004 TO R041
PLAN SHEETS	R134 TO R135

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

LEGEND
- *EXIST. GRADE CL*
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.



50% plans

SCALE:
HORIZ.: 1"=50'
VERT.: 1"=10'

S. 57th W. AVE. AT W. 41ST ST. S.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET
(SHEET 2 OF 2)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17
DETAILED	BWH	7/17
CHECKED	NAB	10/17

CONTRACT NO. GCT-2500
DATE: 10/30/2017
SHEET NO. R137

SEC 20 T19N R12E

SEC 20 T19N R12E

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

0 50 100 150
SCALE

LEGEND
- PROPOSED PAVEMENT
- TRAIL
- XXX DRAINAGE STRUCTURE
- CABLE BARRIER
- XXX PARCEL #
- LIGHT POLE
- BORE HOLE

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℄.

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041

℄ W. 41ST ST. S.
℄ W. 39TH ST. S.
℄ S. 53rd W. AVE.
R/W
512
513
532
530
531
MH509
+66.12 59.16' (℄ W. 41ST ST. S.)
+66.11 70.00' (℄ W. 41ST ST. S.)
+85.35 90.00' (℄ W. 41ST ST. S.)
+84.72 329.77' (℄ W. 41ST ST. S.)
+36.68 90.00' (℄ W. 41ST ST. S.)
+25.00 50.97' (W. 41ST ST. S.)
+50.00 70.00' (℄ S. 53RD W. AVE.)
+30.00 69.55' (℄ S. 53R. W. AVE.)
+30.00 60.00' (℄ S. 53RD W. AVE.)
CONSTRUCT FENCE STYLE WWF STA. 418+49.02 TO STA. 421+36.68 527 L.F. (℄ W. 41ST ST. S.)
CONSTRUCT FENCE STYLE WWF STA. 100+28.97 TO STA. 107+30.00 832 L.F. (℄ S. 53RD W. AVE.)
STA.421+30 LT CONSTRUCT 12' CONCRETE DRIVE
STA.62+62 RT CONSTRUCT 16' CONCRETE DRIVE
STA.62+62 LT CONSTRUCT 12' CONCRETE DRIVE
STA.63+10 LT CONSTRUCT 12' CONCRETE DRIVE
2-10'X4' RCB
61+00
62+00
63+00
105+00
STA. 62+37.44 BEGIN CONSTRUCTION ℄ W. 39TH ST.
STA. 63+95.06 END CONSTRUCTION ℄ W. 39TH ST.
STA. 100+10.68 BEGIN CONSTRUCTION S. 53RD W. AVE.
STA. 106+90.06 END CONSTRUCTION S. 53RD W. AVE.
+40.08 917.10'
+00.07 916.02'
+36.55 (1001) 87.44'
GRAVEL
ASPHALT
CONCRETE
WOOD FENCE
WEBWIRE FENCE
CHAIN LINK FENCE
BARBED WIRE FENCE
BURIED TELEPHONE
BURIED FIBER OPTIC
BURIED GAS LINE
BURIED POWER
OHW
SOD
GATE
PLANTER
APPROX. LOCATION

50% plans

LEGEND
- EXIST. GRADE ℄
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

SCALE: HORIZ.: 1"=50' VERT.: 1"=10'

STA. 100+10.68 BEGIN CONSTRUCTION S. 53RD W. AVE.
PVI STA 100+10.68 EL 717.95
PVC STA 100+55.96 EL 717.61
PVI STA 102+05.96 EL 716.49
PVC STA 102+05.96 EL 717.05
PVT STA 103+55.96 EL 717.61
PVI STA 103+00.00 EL 713.35 SP DT RT.
PVC STA 104+56.15 EL 718.36
PVI STA 105+55.00 EL 717.68 SP DT RT.
PVI STA 105+56.15 EL 719.11
PVI STA 106+45.00 EL 722.18 SP DT RT.
PVT STA 106+56.15 EL 723.11
PVI STA 106+90.06 EL 724.47
STA. 106+90.06 END CONSTRUCTION S. 53RD W. AVE.
PVI STA 62+37.44 EL 720.72
PVI STA 63+95.06 EL 723.24
STA. 63+95.06 END CONSTRUCTION ℄ W. 39TH ST.
TRANSITION
NORMAL CROWN S=3.125%
L= 300.00' K= 200.00
L= 200.00' K= 61.61
+10.68 S=1.85%
+25.00 S=3.125% (NC)
+90.06 S=3.125% (NC)
-0.75%
0.75%
0.60%
1.70%
5.00%
4.00%
1.60%
FINISHED PROFILE GRADE ℄ S. 53RD W. AVE.
EXISTING GRADE ℄ S.53RD W.AVE.
FINISHED PROFILE GRADE ℄ W. 41ST ST. S.
FINISHED PROFILE GRADE ℄ W. 39TH ST. S.
SPECIAL DITCH RIGHT
532 C.R.L. STA. 100+45.00 CONST. (2) 10'X4'X143' RCB W/END SECTIONS FL LT. EL=709.23 FL RT. EL=711.90
PVI STA 100+40.00 EL 711.79 SP DT RT.
EXIST. PROP.
718.2 718.17
716.1 717.33
715.5 717.05
717.0 717.27
718.1 717.94
719.0 718.85
720.6 721.12
724.2
S. 53RD W. AVE.
W. 39TH AVE.
ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACT TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

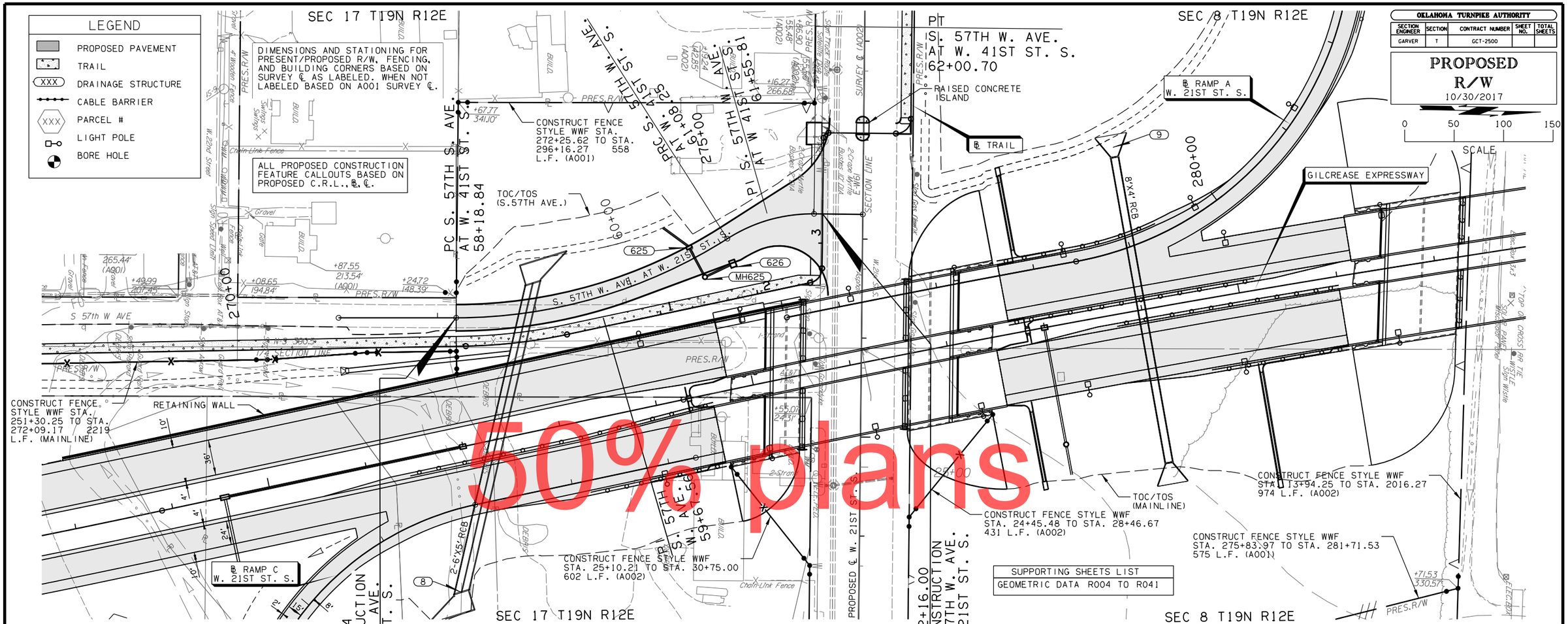
S. 53RD W. AVE./ W. 39TH AVE.

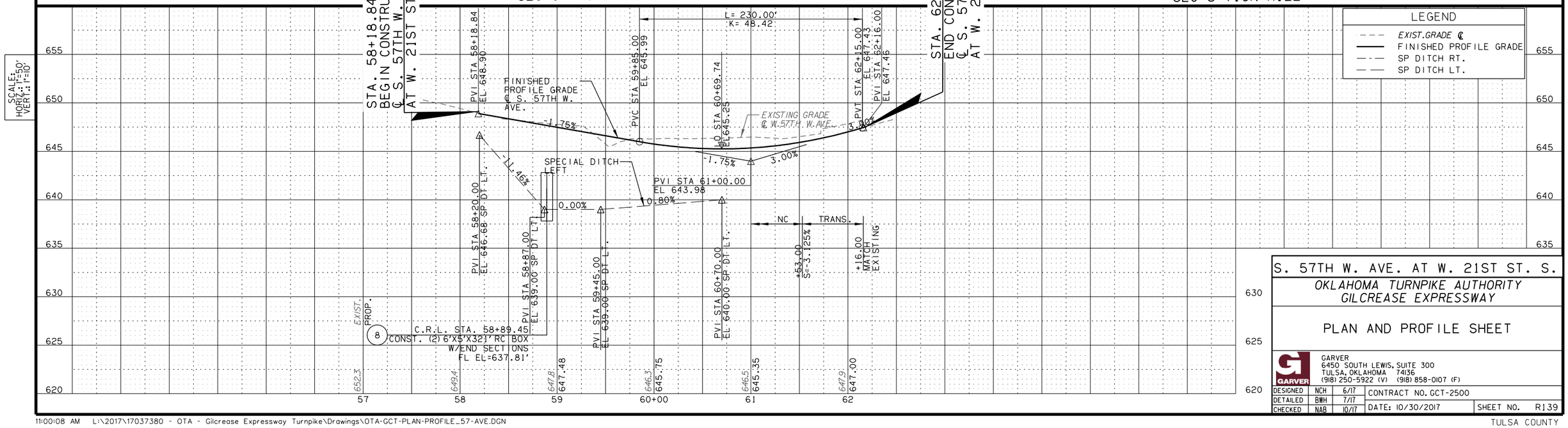
OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN AND PROFILE SHEET

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R138





S. 57TH W. AVE. AT W. 21ST ST. S.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN AND PROFILE SHEET

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500
DETAILED	BWH	7/17	
CHECKED	NAB	10/17	DATE: 10/30/2017 — SHEET NO. R139

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SEC 5 T19N R12E

GILCREASE EXPRESSWAY

HARLOW CREEK

BRIDGE S

BRIDGE T

LEVEE

PRES. R/W

℄ W. 2ND ST.

PI W. 2ND ST. 61+87.50

PT W. 2NDD ST. 62+58.84

PC W. 2ND ST. 65+45.68

PI W. 2ND ST. 67+73.47

POE W. 1ST ST. 10+00.00

W. 1ST ST. 8+74.54

POB W. 1ST ST.

PC W. 2ND ST. 60+61.44

POB W. 2ND ST. 55+00.00

PT W. 2ND ST. 58+76.78

PC W. 2ND ST. 56+79.45

PI W. 2ND ST. 58+05.44

PT W. 2ND ST. 68+42.22

POE W. 2ND ST. 69+49.85

RD-23

RD-24

RD-22

24" RCP

30" RCP

350+00

345+00

60+00

656 MH651 MH650 654 655 650 659 657 658 660 249 651 652 653 248

STA. 50+35 LT
CONSTRUCT 16' CONCRETE DRIVE

STA. 56+56.00
BEGIN CONSTRUCTION
W. 2ND ST.

STA. 68+44.22
END CONSTRUCTION
W. 2ND ST.

CONSTRUCT FENCE STYLE WWF STA. 338+99.63 TO STA. 350+12.37 1349 L.F. (A001)

TOC/TOS (W. 2ND ST.)

WEST IST STREET

WEST 2ND STREET SOUTH

SOUTH 57TH WEST AVENUE

N:539805 1/4 SECTION LINE

Asphalt

Concrete

Gravel

Misc.

Levee

Alley Anchors

R/W

0 50 100 150
SCALE

LEGEND

- PROPOSED PAVEMENT
- TRAIL
- XXX DRAINAGE STRUCTURE
- CABLE BARRIER
- XXX PARCEL #
- LIGHT POLE
- BORE HOLE

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℞, ℄.

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PROFILE SHEET R141

50% plans

W. 2ND ST. & W. 1ST ST.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN SHEET

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17	DATE: 10/30/2017	SHEET NO. R140
CHECKED	NAB	10/17		

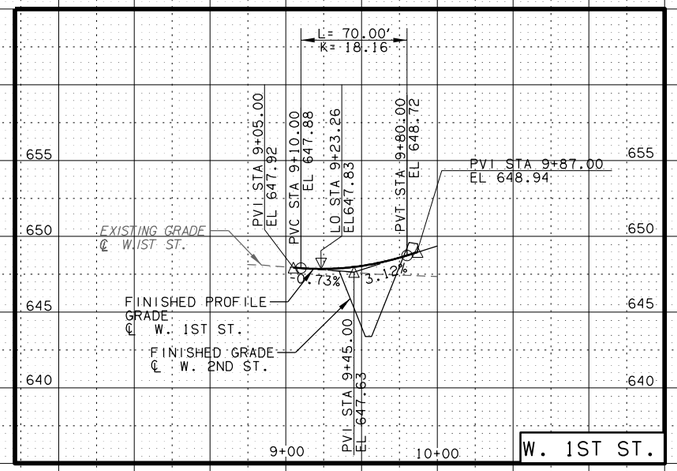
OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

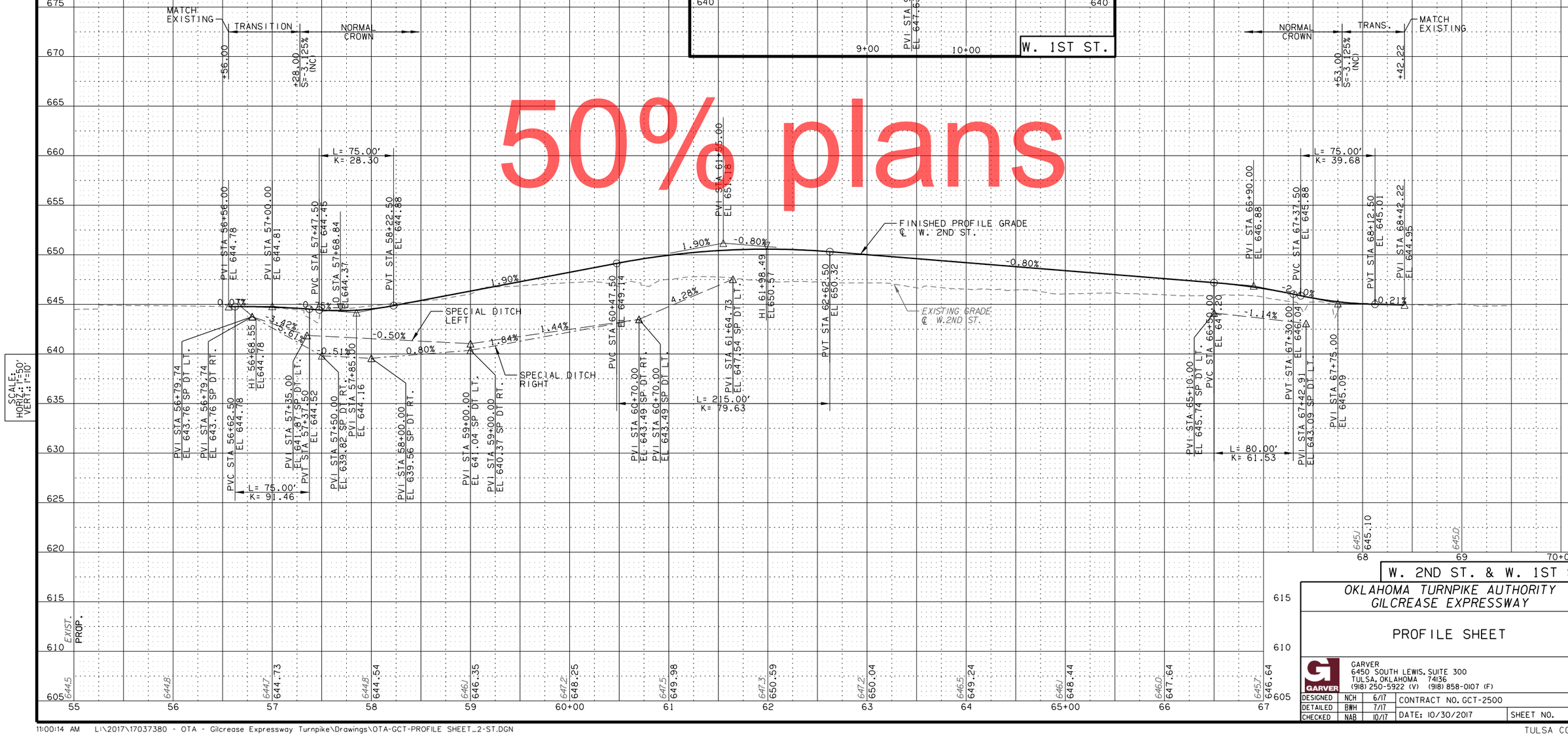
SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PLAN SHEETS R140

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

LEGEND
- *EXIST. GRADE ℄*
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.



50% plans



W. 2ND ST. & W. 1ST ST.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R141

OKLAHOMA TURNPIKE AUTHORITY

SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W

10/30/2017

SEC 5 T19N R12E

SUPPORTING SHEETS LIST

GEOMETRIC DATA R004 TO R041

LEGEND

- PROPOSED PAVEMENT
- TRAIL
- DRAINAGE STRUCTURE
- CABLE BARRIER
- PARCEL #
- LIGHT POLE
- BORE HOLE

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℄.

STA. 70+00.00
BEGIN CONSTRUCTION
W. EASTON AVE.

PC W. EASTON AVE 70+00.00

PT W. EASTON AVE. 70+82.46

PI W. EASTON AVE. 70+52.78

PI W. EASTON AVE. 76+17.87

PI W. EASTON AVE. 76+69.95

CONSTRUCT FENCE STYLE WWF FROM STA. 357+92.30 TO STA. 375+64.31 2,286 L.F. (A005)

CONSTRUCT FENCE STYLE WWF FROM STA. 366+02.90 TO STA. 372+02.90 586 L.F. (A005)

℄ W. EASTON AVE.

RAMP D S. 49TH W. AVE

TOC/TOS (W. EASTON AVE.)

TOC/TOS (RAMP D)

PT W. EASTON AVE. 76+99.67

STA. 77+00.00
END CONSTRUCTION

℄ N. C-D

WB KEYSTONE EXPRESSWAY

EB KEYSTONE EXPRESSWAY

KEYSTONE EXPRESSWAY

SURVEY ℄ (A005)

EASTON STREET

0 50 100 150
SCALE

50% plans

W. EASTON AVE.

SCALE:
HORIZ.: 1"=50'
VERT.: 1"=10'

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

LEGEND

- EXIST. GRADE ℄
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

STA. 70+00.00
BEGIN CONSTRUCTION
W. EASTON AVE.

MATCH EXISTING — TRANS. — NORMAL CROWN

+00.00 S=+1.00% LT S=-3.99% RT

+69.00 S=-3.125% (NC)

PVI STA 70+50.00 EL 681.55

PVC STA 70+00.00 EL 679.57

PVT STA 71+00.00 EL 681.93

PVC STA 73+00.00 EL 683.43

PVI STA 74+00.00 EL 684.99

PVT STA 75+00.00 EL 688.18

PVC STA 76+00.00 EL 692.18

PVI STA 76+50.00 EL 694.18

HI 76+37.88 EL692.94

PVT STA 77+00.00 EL 690.90

L= 200.00'
K= 61.54

L= 100.00'
K= 31.06

L= 100.00'
K= 9.47

0.75%

4.00%

EXISTING GRADE EASTON AVE

FINISHED PROFILE GRADE ℄ W. EASTON AVE.

NORMAL CROWN

MATCH EXISTING

+64.67 S=-3.125% (NC)

+99.67 S=-1.05% LT S=-1.26% RT

EXIST. 6796 679.57 | 6840 681.93 | 6861 682.68 | 6871 683.43 | 6854 684.99 | 6890 688.18 | 6937 692.18 | 6909 690.90

PROP.

700 695 690 685 680 675 670 665

70+00 71 72 73 74 75+00 76 77 78 79

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN AND PROFILE SHEET

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500
DETAILED	BWH	7/17	
CHECKED	NAB	10/17	DATE: 10/30/2017 — SHEET NO. R142

SEC 29 T19N R12E

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PROFILE SHEETS R147 TO R150

MATERIALS

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℄.

0 50 100 150
SCALE

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

LEGEND
- PROPOSED TEMP. PAVEMENT
- TRAIL
- XXX DRAINAGE STRUCTURE
- CABLE BARRIER
- XXX PARCEL #
- LIGHT POLE
- BORE HOLE

℄ SHOO-FLY 3
PC SHOOFLY 3
102+58.62
3-STEM 4" REAR
41.2' 502.37'
GATE
BARBED WIRE FENCE
GRAVEL
WALL
SHED
2-STORY WOOD FRAME HOUSE
WIRE FENCE
ENTRY TO STORM SHELTER
30" CATALPA
CHAIN LINK FENCE
PRES.R/W
GILCREASE EXPRESSWAY
GRAVEL PILE
SOD
HOGWIRE FENCE
3-STRAND
GP(S)
POLY Anchors
SURVEY ℄ (AOIO)
W. 51ST ST.S.
ASPHALT
UNFLAGGED WATERLINE APPROX. LOCATION
W. 51ST ST.
CONC. FLUME
WE DO NOT KNOW THE DESTINATION OF THIS PIPE
8" PLASTIC PIPE
West 51st Str
PC SHOOFLY 1
100+34.86
SHOOFLY 1
PT SHOOFLY 1
102+70.87
PI SHOOFLY 1
104+14.73
PI SHOOFLY 1
105+24.06
PT SHOOFLY 1
106+33.33
PI SHOOFLY 1
101+78.22
STA. 100+17.06
BEGIN CONSTRUCTION
℄ SHOO-FLY-1
STA. 103+17 RT
CONSTRUCT 30' TEMP
GRAVEL DRIVE
TOC/TOS (SHOO-FLY 1)
℄ SHOO-FLY 1
CONC. CURB
CONC. CURB
PC SHOOFLY 1
112+10.68
PI SHOOFLY 1
112+49.18
PT SHOOFLY 1
112+87.42
STA. 111+00
TEMP R/W TO CONSTRUCT SHOO-FLY1
CONSTRUCT FENCE STYLE WWF FROM STA. 106+41.22 TO STA. 106+84.09 99 L.F. (A001)
℄ SUNRAY
PI C.R.L. 123+69
SEC 32 T19N R12E

50% plans

SHOO-FLY 1

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN SHEET
(SHEET 1 OF 4)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	HBV	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17	DATE: 10/30/2017	SHEET NO. R143
CHECKED	NAB	10/17		

SEC 29 T19N R12E

SEC 28 T19N R12E

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

0 50 100 150
SCALE

50% plans

Sta. 84+99.44 ℄ –Wire Pwr. O.H. "X"ing Low Wire Elev.=760.44'

Sta. 86+70.09 ℄ –Wire Pwr. O.H. "X"ing Low Wire Elev.=764.83'

PI SHOOFLY 1
115+94.60

PC SHOOFLY 1
115+43.60

PT SHOOFLY 1
116+45.01

STA. 114+00

STA. 123+07.67
END CONSTRUCTION
SHOO-FLY 1

℄ SHOOFLY 1

SURVEY ℄ (A001)

W. 51st STREET S.

GILCREASE EXPRESSWAY

S. 49th W. Ave

SEC 32 T19N R12E

SEC 33 T19N R12E

LEGEND

- PROPOSED TEMP. PAVEMENT
- TRAIL
- (XXX) DRAINAGE STRUCTURE
- CABLE BARRIER
- (XXX) PARCEL #
- LIGHT POLE
- BORE HOLE

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PROFILE SHEETS R147 TO R150

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℄.

SHOO-FLY 1

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN SHEET
(SHEET 2 OF 4)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	HBV	6/17
DETAILED	BWH	7/17
CHECKED	NAB	10/17

CONTRACT NO. GCT-2500

DATE: 10/30/2017

SHEET NO. R144

SEC 32 T19N R12E

SEC 29 T19N R12E

STA. 100+10.00
BEGIN CONSTRUCTION
SHOO-FLY 3

LEGEND
PROPOSED PAVEMENT
PROPOSED TEMP. PAVEMENT
TRAIL
DRAINAGE STRUCTURE
CABLE BARRIER
PARCEL #
LIGHT POLE
BORE HOLE

BM#24 SET #6 REBAR; STA. 119+36 109'LT.
EL. 766.853'

BM#23 SET #6 REBAR; STA. 126+19 155'LT.
EL. 757.738'

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

0 50 100 150
SCALE

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PROFILE SHEETS R147 TO R150

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℞, ℄.

℞ TRAIL

℞ RAMP A - 51ST

℞ RAMP B - W. 51ST ST.

℞ RAMP C - W. 51ST ST.

℞ RAMP D - W. 51ST ST.

℄ SHOO-FLY 3

℄ SHOO-FLY 4

51ST ST. FRONTAGE RD.

GILCREASE EXPRESSWAY, C-1

CABLE BARRIER

W. 51st STREET E-W 64 SECTION LINE

CONSTRUCT FENCE STYLE WWF FROM STA. 62+90.50 TO STA. 67+95.41 505 L.F. (A010)

CONSTRUCT FENCE STYLE WWF FROM STA. 120+25.74 TO STA. 129+50.00 1236 L.F. (A001)

CONSTRUCT FENCE STYLE WWF FROM STA. 110+78.58 TO STA. 129+57.48 1839 L.F. (A001)

TOC/TOS (SHOO-FLY 3)

TOC/TOS (SHOO-FLY 1)

SHOO-FLY SHOULDER WIDENING

STA. 115+00.00
END CONSTRUCTION
SHOO-FLY 3

Sta. 59+88.08 18" RCP x 24.35' S.D. @ 16.12° LT
FL=793.08' W & 795.14' E.

+41.21
502.34'

+74.46
380.00'

+57.95
221.42'

+50.00
157.61'

+67.62
175.51'

+51.41
139.52'

+07.53
261.77'

+08J8
265.26'
(A001)

+0364
(A001)

+0923
(A001)

+6892
234.69'

+4088
293.87'

+4168
264.70'

+2758
160.18'

+1192
583.14'

+1479
(A001)

+1535
(A001)

+1572
(A001)

+1858
(A001)

+0858
(A001)

+7312
601.82'

50% plans

SHOO-FLY 3

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN SHEET
(SHEET 3 OF 4)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	HBV	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R145

SEC 32
T19N R12E

SEC 29 T19N R12E

BM#24 SET #6 REBAR; STA. 119+36 109' LT.
EL. 766.853'

BM#23 SET #6 REBAR; STA. 126+19 155' LT.
EL. 757.738'

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

0 50 100 150
SCALE

CONSTRUCT FENCE STYLE WWF FROM STA. 120+25.74 TO STA. 129+50.00 1236 L.F. (A001)

CONSTRUCT FENCE STYLE WWF FROM STA. 110+78.58 TO STA. 129+57.48 1839 L.F. (A001)

RAMP A - 51ST

GILCREASE EXPRESSWAY

RAMP B - W. 51ST ST.

RAMP C - W. 51ST ST.

RAMP D - W. 51ST ST.

W. 51ST ST. FRONTAGE RD.

PI SHOOFLY 3
104+82.80

PRC SHOOFLY 4
103+13.29

PI SHOOFLY 4
104+24.97

PT SHOOFLY 4
106+23.27

TOC/TOS (SHOO-FLY 4)

TEMP R/W TO CONSTRUCT SHOO-FLY 4

STA. 103+15.17
BEGIN CONSTRUCTION
SHOO-FLY 4

STA. 109+25.35
END CONSTRUCTION
SHOO-FLY 4

+57.95
221.42'

+50.00
157.61'

+08.18
265.26'
(A001)

+03.64
170.23'
(A001)

+67.62
175.51'
A001

+51.41
139.52'
A001

+07.53
261.77'
A001

T15+66.84
425.05'
(A001)

118+83.73
473.19'
(A001)

125+09.12
450.00'
(A001)

127+78.31
549.40'
(A001)

50% plans

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℄, ℄.

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
PROFILE SHEETS R147 TO R150

DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.

LEGEND
- PROPOSED PAVEMENT
- PROPOSED TEMP. PAVEMENT
- TRAIL
- XXX DRAINAGE STRUCTURE
- CABLE BARRIER
- XXX PARCEL #
- LIGHT POLE
- BORE HOLE

SHOO-FLY 4

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN SHEET
(SHEET 3 OF 4)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	HBV	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R146

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SUPPORTING SHEETS LIST	
GEOMETRIC DATA	R004 TO R041
PLAN SHEETS	R143 TO R146

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

LEGEND
- EXIST. GRADE ℄
- FINISH GRADE ℄
- SP DITCH RT.
- SP DITCH LT.

50% plans

SCALE: HORIZ.: 1"=50' VERT.: 1"=10'

PVI STA 100+17.06
EL 805.07

EXISTING GROUND ℄ SHOO-FLY 1

-1.50%

PVI STA 105+75.00
EL 796.70

PVC STA 104+25.00
EL 798.95

PVT STA 107+25.00
EL 789.65

L= 300.00'
K= 93.75

FINISH PROFILE GRADE ℄ SHOO-FLY 1

-4.70%

PVI STA 110+70.00
EL 773.43

EXISTING GRADE GILCREASE EXPRESSWAY

L= 140.00'
K= 43.08

EXISTING GRADE SHOO-FLY 1

PVC STA 109+70.00
EL 778.13

PVT STA 111+70.00
EL 767.43

L= 200.00'
K= 153.85

PVC STA 112+05.00
EL 765.33

-6.00%

PVI STA 112+75.00
EL 761.13

PVT STA 113+45.00
EL 759.21

PVT STA 113+56.61
EL 758.89

-0.75%

PVI STA 113+95.70
EL 757.94

PVI STA 114+09.07
EL 757.75

-0.75%

PVI STA 114+36.16
EL 757.00

PVI STA 114+50.97
EL 756.74

-0.75%

-0.07%

MATCH EXIST. W. 51ST ST.

TRANSITION

+17.06
S=0%

+00.00
S=2.0% (NC)

NORMAL CROWN

	100+00	101	102	103	104	105+00	106	107	108	109	110+00	111	112	113	114	115+00
EXIST.	805.2	803.4	804.7	807.5	807.5	806.6	796.1	790.7	785.6	781.3	776.9	772.3	767.4	760.1	758.0	752.9
PROP.		803.82	802.32	800.82	799.32	797.52	794.69	790.79	786.12	781.42	776.70	771.48	765.63	760.68	757.88	756.77

SHOO-FLY 1

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET
(SHEET 1 OF 4)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	HBV	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R147

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SUPPORTING SHEETS LIST

GEOMETRIC DATA	R004 TO R041
PLAN SHEETS	R143 TO R146

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

LEGEND

- EXIST. GRADE ℄
- FINISH GRADE ℄
- SP DITCH RT.
- SP DITCH LT.

50% plans

SCALE: HORIZ.: 1"=50' VERT.: 1"=10'

NORMAL CROWN

TRANSITION

+50.00 S=2.0% (INC)

+07.07 S=-1.5%

MATCH EXIST. S. 49TH W. AVE.

PVC STA 115+50.00 EL 756.81

HI 115+64.03 EL 756.81

PVI STA 116+50.00 EL 756.89

PVT STA 117+50.00 EL 753.24

PVC STA 118+00.00 EL 751.41

PVI STA 119+00.00 EL 747.76

PVT STA 120+00.00 EL 745.86

PVC STA 121+00.00 EL 743.96

PVI STA 122+00.00 EL 742.06

PVT STA 123+00.00 EL 741.31

PVI STA 123+07.67 EL 741.25

L= 200.00' K= 53.69

L= 200.00' K= 114.29

L= 200.00' K= 173.91

0.07%

-3.65%

-1.90%

-0.75%

FINISH PROFILE GRADE ℄ SHOO-FLY 1

EXISTING GRADE ℄ SHOO-FLY 1

	115+00	116	117	118	119	120+00	121	122	123	124	125+00
EXIST.	752.9	754.5	753.2	749.1	748.7	747.5	745.3	743.1	742.2		
PROP.	756.77	756.62	754.83	751.41	748.20	745.86	743.96	742.35	741.31		

SHOO-FLY 1

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET
(SHEET 2 OF 4)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	HBV	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R148

OKLAHOMA TURNPIKE AUTHORITY

SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SUPPORTING SHEETS LIST	
GEOMETRIC DATA	R004 TO R041
PLAN SHEETS	R143 TO R146

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

LEGEND
- EXIST. GRADE ℄
- FINISH GRADE ℄
- SP DITCH RT.
- SP DITCH LT.

50% plans

PVI STA 100+10.00
EL 805.14
EXISTING GRADE ℄ SHOO-FLY 3
3.25%
PVC STA 100+75.00
EL 803.03
PVI STA 101+75.00
EL 799.78
FINISH PROFILE GRADE ℄ SHOO-FLY 3
-5.15%
PVT STA 102+75.00
EL 794.62
PVI STA 104+00.00
EL 788.18
L= 200.00'
K= 105.00
FINISH GRADE RAMP C-W. 51ST ST.
MATCH EXISTING W. 51ST ST.
+10.00 S=0%
+10.00 S=3.8%
+00.00 S=3.8%
TRANSITION
FULL SUPER (LT)
MATCH PROP. RAMP C-W. 51ST ST.
MATCH PROP. RAMP C-W. 51ST ST.
+65.65 S=3.4% (NC)
+65.65 S=3.6%
(SHOOFLY 3 ℄) NORMAL CROWN S=-3.4%
(SHOOFLY 3 OUTSIDE SB SHOULDER) TRANSITION
+02.98 S=3.4%
+02.98 S=3.4% (NC)
PVI STA 110+65.65
EL 759.69
PVI STA 111+00.00
EL 758.36
L= 150.00'
K= 88.67
PVC STA 112+25.00
EL 752.93
-3.88%
4.34%
EXISTING GRADE ℄ SHOO-FLY 3
FINISH PROFILE GRADE ℄ SHOO-FLY 3
PVT STA 113+75.00
EL 747.69
PVI STA 113+00.00
EL 749.67
PVI STA 114+53.08
EL 745.62
-2.65%
-1.94%
PVI STA 115+00.00
EL 744.70

SCALE:
HORIZ.: 1"=50'
VERT.: 1"=10'

	100+00	101	102	103	104	105+00	106	107	108	109	110+00	111	112	113	114	115+00
EXIST.	805.3	805.2	800.5	781.6	769.3	762.5	750.3	758.9	758.6	757.2	753.2	749.8	749.6	754.02	748.7	746.9
PROP.		802.19	798.22	793.34	788.18							758.36		749.99	747.02	744.71

SHOO-FLY 3

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET
(SHEET 3 OF 4)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	HBV	6/17	CONTRACT NO. GCT-2500
DETAILED	BWH	7/17	
CHECKED	NAB	10/17	DATE: 10/30/2017

SHEET NO. R149

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SUPPORTING SHEETS LIST	
GEOMETRIC DATA	R004 TO R041
PLAN SHEETS	R143 TO R146

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

LEGEND
- EXIST. GRADE ℄
- FINISH GRADE ℄
- SP DITCH RT.
- SP DITCH LT.

50% plans

SCALE:
HORIZ.: 1"=50'
VERT.: 1"=10'

MATCH PROP. W. 51ST FRONTAGE RD.
+15.17 S=3.125% (NC)
NORMAL CROWN S=3.125%
+00.00 S=3.125% (NC)
NORMAL CROWN RT
TRANSITION LT
TRANSITION RT
+50.00 S=3.125% (NC)
+25.38 S=5.00%
MATCH EXIST. GILCREASE EXPRESSWAY

FINISH GRADE W. 51ST ST. FRONTAGE ROAD
PVI STA 103+15.17 EL 776.52
PVI STA 103+75.00 EL 776.07
0.75%
PVC STA 103+17.50 EL 776.50
PVT STA 104+32.50 EL 772.62
FINISH PROFILE GRADE ℄ SHOO-FLY 4
-6.00%
L= 115.00'
K= 21.90
L= 150.00'
K= 22.22
EXISTING GRADE ℄ SHOO-FLY 4
PVC STA 107+75.00 EL 752.07
LO STA 109+08.33 EL 748.07
PVT STA 109+25.00 EL 748.13
PVI STA 109+25.38 EL 748.13
0.75%
PVI STA 108+50.00 EL 747.57
EXISTING GROUND GILCREASE EXPRESSWAY

	100+00	101	102	103	104	105+00	106	107	108	109	110+00	111	112	113	114	115+00
EXIST.		789.8	788.2	785.0	776.3	774.33	758.3	768.57	756.8	762.57	754.7	756.57	746.7	750.71	748.7	748.08
PROP.																

SHOO-FLY 4

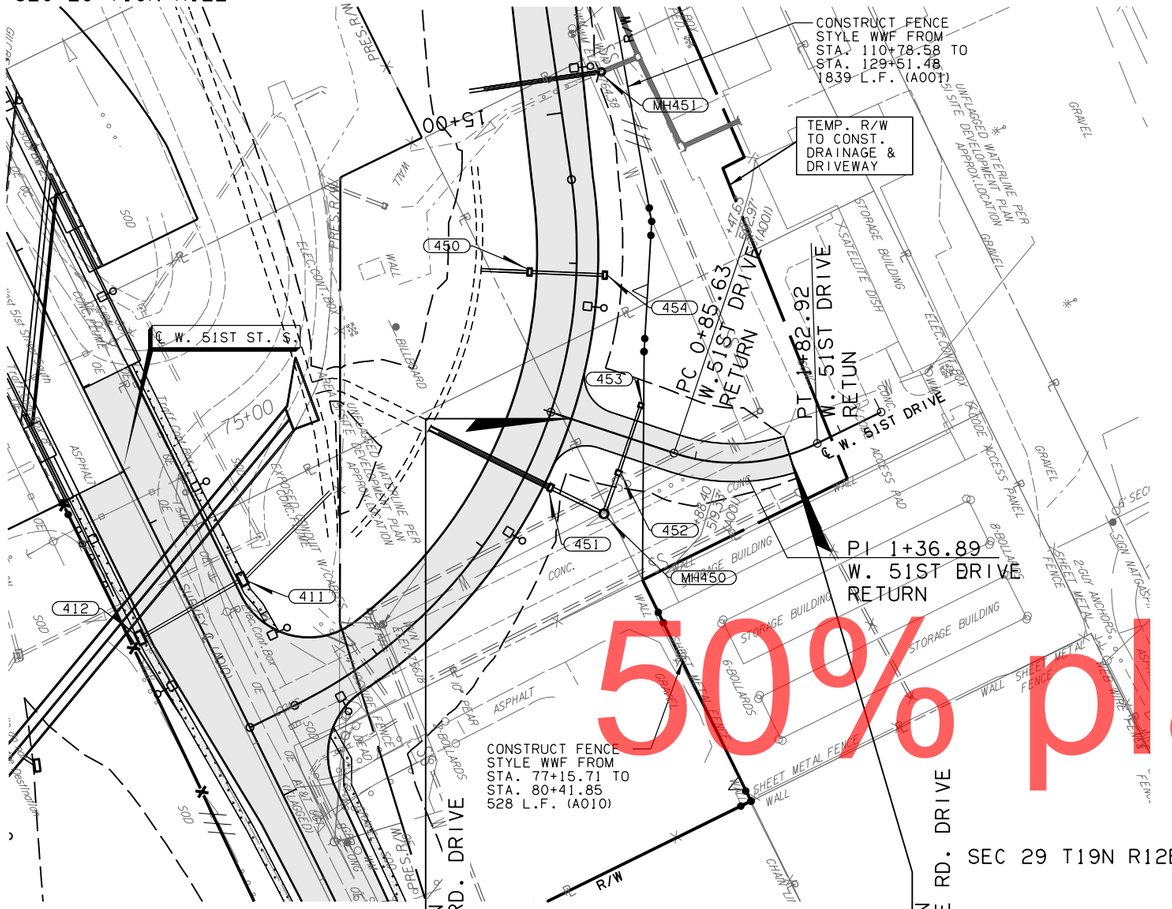
OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET
(SHEET 4 OF 4)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	HBV	6/17	CONTRACT NO. GCT-2500
DETAILED	BWH	7/17	
CHECKED	NAB	10/17	DATE: 10/30/2017 SHEET NO. R150

SEC 29 T19N R12E



0 50 100 150
SCALE

OKLAHOMA TURNPIKE AUTHORITY

SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SUPPORTING SHEETS LIST
GEOMETRIC DATA R004 TO R041
RIGHT OF WAY SEE R132

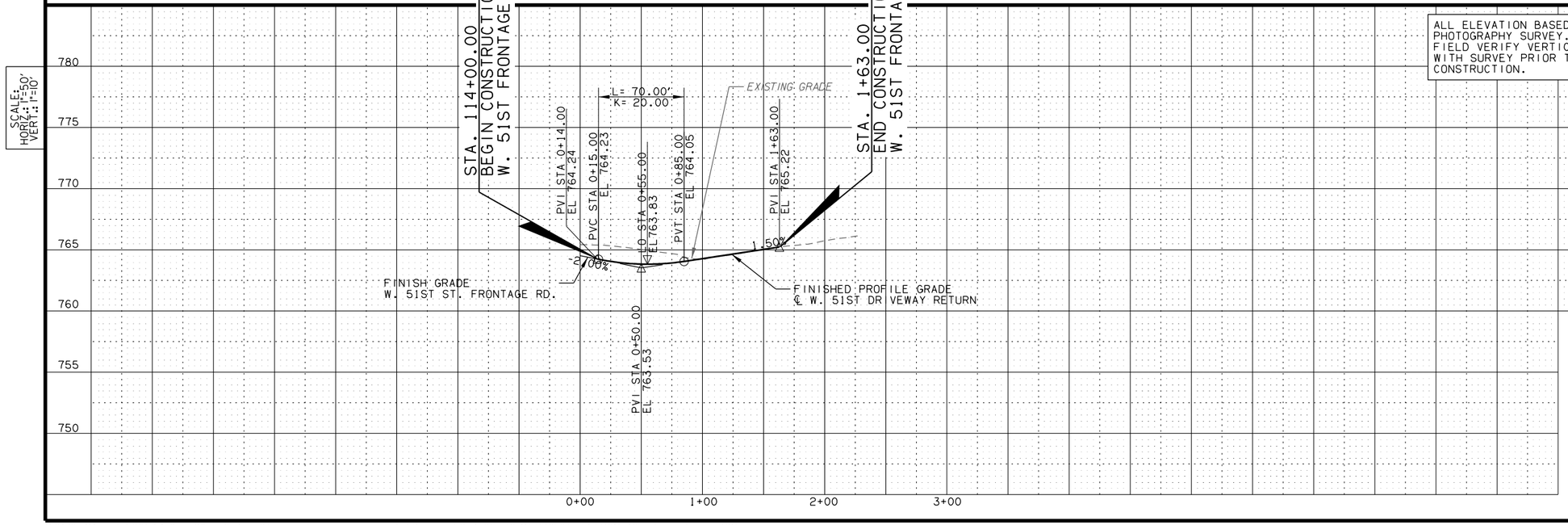
DIMENSIONS AND STATIONING FOR PRESENT/PROPOSED R/W, FENCING, AND BUILDING CORNERS BASED ON SURVEY ℄ AS LABELED. WHEN NOT LABELED BASED ON A001 SURVEY ℄.

ALL PROPOSED CONSTRUCTION FEATURE CALLOUTS BASED ON PROPOSED C.R.L., ℄.

LEGEND
- PROPOSED PAVEMENT
- TRAIL
- XXX DRAINAGE STRUCTURE
- CABLE BARRIER
- XXX PARCEL #
- LIGHT POLE
- BORE HOLE

50% plans

SCALE: HORIZ.: 1"=50' VERT.: 1"=10'



ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

LEGEND
- *EXIST. GRADE ℄*
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

W. 51ST DRIVEWAY RETURN

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PLAN AND PROFILE SHEET

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NCH	6/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R151

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SUPPORTING SHEETS LIST	
GEOMETRIC DATA	R004 TO R041
PLAN SHEETS	R042 TO R064

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

LEGEND
- *EXIST.GRADE*
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

STA. 17+46.13
BEGIN CONSTRUCTION TRAIL

PVI STA 17+46.31
EL 800.69

EXIST.GRADE @ TRAIL

L= 100.00'
K= 272.45

W. 51ST ST.
FINISHED GRADE

RAMP A - W. 51ST ST. FINISHED GRADE

RAMP C - W. 51ST ST. FINISHED GRADE

FINISHED PROFILE GRADE @ TRAIL

-4.87%

PVC STA 19+12.27
EL 792.61

-4.87%

-4.50%

PVT STA 20+12.27
EL 787.93

PVI STA 19+62.27
EL 790.18

RAMP C - W. 51ST ST.
FINISHED GRADE

17 C.R.L. STA. 23+38.06
CONST. 36"X288' RCP
W/END SECTIONS
FL EL=751.02'

50% plans

SCALE:
HORIZ.: 1"=50'
VERT.: 1"=10'

	10	11	12	13	14	15+00	16	17	18	19	20+00	21	22	23	24	25+00
EXIST.	790.0	792.4	787.5	791.8	793.0	802.8	805.9	805.4		801.5	781.9	770.3	760.9	751.3	754.4	757.2
PROP.									798.08	793.21	788.48	783.93		774.82	770.36	766.12
														779.37		

TRAIL

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET
(SHEET 1 OF 16)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	10/17
DETAILED	BWH	7/17
CHECKED	NAB	10/17

CONTRACT NO. GCT-2500
DATE: 10/30/2017
SHEET NO. R152

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SUPPORTING SHEETS LIST	
GEOMETRIC DATA	R004 TO R041
PLAN SHEETS	R042 TO R064

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

LEGEND
- *EXIST. GRADE*
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

50% plans

RAMP C - W. 51ST ST. FINISHED GRADE

GILCREASE EXPRESSWAY FINISHED GRADE

EXIST. GRADE @ TRAIL

PVI STA 36+10.00
EL 735.28

PVC STA 36+20.00
EL 735.17

PVI STA 37+10.00
EL 734.18

PVRC STA 38+00.00
EL 732.75

PVI STA 38+90.00
EL 731.32

PVT STA 39+80.00
EL 730.28

PVI STA 39+85.00
EL 730.22

-1.10% -1.10% -1.59% -1.59% -1.15% -1.15%

L= 180.00'
K= 406.35

L= 180.00'
K= 365.13

FINISHED PROFILE GRADE @ TRAIL

GILCREASE EXPRESSWAY FINISHED GRADE

C.R.I.L. STA. 33+80.31
CONST. 8'X3'X21' RC BOX W/END SECTIONS
FL EL=732.19

	25+00	26	27	28	29	30+00	31	32	33	34	35+00	36	37	38	39	40+00
EXIST.	757.2	756.4	754.4	751.9	747.4	746.0	742.6	739.7	736.9	734.1	736.6	734.8	733.5	731.7	729.3	727.2
PROP.	766.12	762.03	758.10	754.35	750.28	747.03	745.00	742.32	739.60	737.59	736.49	735.39	734.21	732.75	731.28	730.05

SCALE:
HORIZ.: 1"=50'
VERT.: 1"=10'

TRAIL

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET
(SHEET 2 OF 16)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	10/17
DETAILED	BWH	7/17
CHECKED	NAB	10/17

CONTRACT NO. GCT-2500
DATE: 10/30/2017
SHEET NO. R153

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SUPPORTING SHEETS LIST	
GEOMETRIC DATA	R004 TO R041
PLAN SHEETS	R042 TO R064

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

LEGEND
- *EXIST.GRADE*
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

50% plans

GILCREASE EXPRESSWAY FINISHED GRADE

L= 340.00'
K= 803.02

PVC STA 45+00.00
EL 724.30

PVT STA 48+40.00
EL 721.20

PVI STA 46+70.00
EL 722.39

-1.12%

-0.70%

-0.70%

FINISHED PROFILE GRADE @ TRAIL

EXIST. GRADE @ TRAIL

PVC STA 50+50.00
EL 719.73

PVI STA 54+00.00
EL 717.26

-0.70%

-1.30%

C.R.L. STA. 45+24.53
CONST. 2-6'X3'X199' RC BOX (4)
W/END SECTIONS
FL EL=719.65

L= 700.00'
K= 1166.67

SCALE:
HORIZ.: 1"=50'
VERT.: 1"=10'

	EXIST.	PROP.
40+00	727.2	730.05
41	728.8	728.90
42	727.7	727.75
43	725.9	726.60
44	723.9	725.45
45+00	721.2	724.30
46	720.9	723.24
47	720.8	722.30
48	721.5	721.49
49	720.3	720.78
50+00	719.5	720.08
51	719.0	719.37
52	718.2	718.58
53	717.7	717.71
54	716.2	716.76
55+00	713.7	715.71

TRAIL

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET
(SHEET 3 OF 16)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	10/17	CONTRACT NO. GCT-2500
DETAILED	BWH	7/17	
CHECKED	NAB	10/17	DATE: 10/30/2017

SHEET NO. R154

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

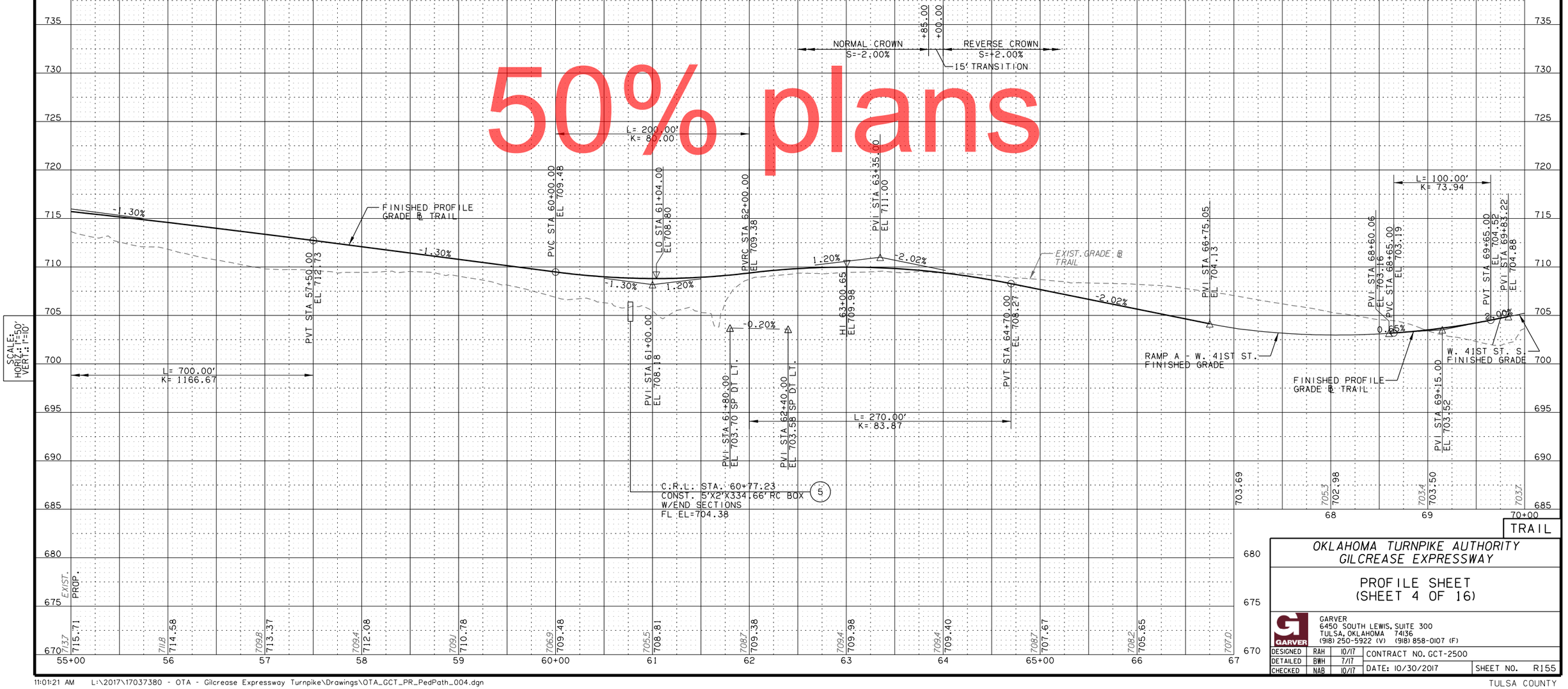
PROPOSED R/W
10/30/2017

SUPPORTING SHEETS LIST	
GEOMETRIC DATA	R004 TO R041
PLAN SHEETS	R042 TO R064

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

LEGEND
- *EXIST. GRADE*
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

50% plans



OKLAHOMA TURNPIKE AUTHORITY GILCREASE EXPRESSWAY			
PROFILE SHEET (SHEET 4 OF 16)			
GARVER 6450 SOUTH LEWIS, SUITE 300 TULSA, OKLAHOMA 74136 (918) 250-5922 (V) (918) 858-0107 (F)			
DESIGNED	RAH	10/17	CONTRACT NO. GCT-2500
DETAILED	BWH	7/17	
CHECKED	NAB	10/17	DATE: 10/30/2017 SHEET NO. R155

OKLAHOMA TURNPIKE AUTHORITY

SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

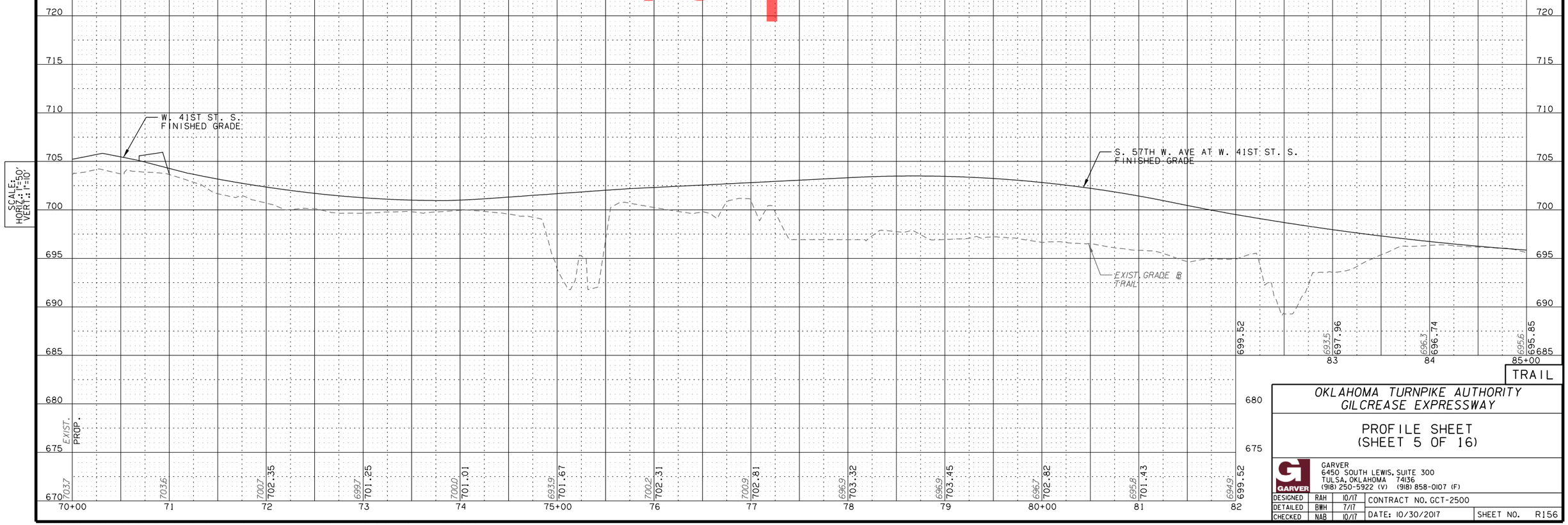
PROPOSED R/W
10/30/2017

SUPPORTING SHEETS LIST	
GEOMETRIC DATA	R004 TO R041
PLAN SHEETS	R042 TO R064

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

LEGEND
- *EXIST. GRADE*
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

50% plans



OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET
(SHEET 5 OF 16)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	10/17
DETAILED	BWH	7/17
CHECKED	NAB	10/17

CONTRACT NO. GCT-2500
DATE: 10/30/2017
SHEET NO. R156

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SUPPORTING SHEETS LIST	
GEOMETRIC DATA	R004 TO R041
PLAN SHEETS	R042 TO R064

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

LEGEND
- *EXIST. GRADE*
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

50% plans

SCALE: HORIZ.: 1"=50' VERT.: 1"=10'

S. 57TH W. AVE AT W. 41ST ST. S. FINISHED GRADE

PVI STA 90+25.76 EL 698.75

FINISHED PROFILE GRADE @ TRAIL

PVC STA 91+90.00 EL 701.89

PVI STA 92+80.00 EL 704.71

PVT STA 93+70.00 EL 705.89

PVI STA 94+87.31 EL 707.43

RAMP C - W. 41ST ST. S. FINISHED GRADE

PVI STA 98+12.70 EL 707.48

PVC STA 98+20.00 EL 707.37

PVI STA 98+90.00 EL 706.32

PVI STA 99+17.27 EL 706.64

PVRC STA 99+60.00 EL 706.79

HI 99+96.05 EL 706.90

EXIST. GRADE @ TRAIL

NORMAL CROWN S=-2.00% 15' TRANSITION

+85.00 +00.00

L= 180.00' K= 98.84

L= 140.00' K= 64.85

L= 140.00' K= 54.71

-1.50% 0.66%

3.13% 1.31% 1.31% 1.31%

C.R.L. STA. 96+63.58 CONST. 42"X293' RCP W/END SECTIONS FL EL=697.45 (5)

	EXIST.	695.6	693.7	693.5	693.7	693.7	695.9	699.0	702.6	705.5	707.2	706.7	705.8	701.2
	PROP.	695.85	695.31	695.10	695.24	695.74	695.94	699.07	702.20	704.73	706.29	707.59	708.43	708.45
		85+00	86	87	88	89	90+00	91	92	93	94	95+00	96	97

		708.45	707.63	706.67	706.90
		701.6	703.0	706.2
		98	99	100+00

TRAIL

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET
(SHEET 6 OF 16)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	10/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R157

11:01:26 AM L:\2017\17037380 - OTA - Gilcrease Expressway Turnpike\Drawings\OTA_GCT_PR_PedPath_006.dgn

TULSA COUNTY

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SUPPORTING SHEETS LIST	
GEOMETRIC DATA	R004 TO R041
PLAN SHEETS	R042 TO R064

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

LEGEND
- *EXIST. GRADE*
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

REVERSE CROWN S=+2.00%

+75.00 +90.00 NORMAL CROWN S=-2.00% 15' TRANSITION

PVI STA 100+30.00 EL 707.25

PVI STA 101+03.08 EL 705.86

PVT STA 101+00.00 EL 705.92

0.66% -1.90% -1.90%

L= 140.00' K= 54.71

GILCREASE EXPRESSWAY FINISHED GRADE

PVI STA 106+75.36 EL 690.67

PVC STA 107+95.00 EL 687.08

L= 90.00' K= 50.29

PVI STA 108+85.00 EL 685.19

PVI STA 108+88.48 EL 685.14

3.00% -3.00% -1.91%

EXIST. GRADE @ TRAIL

PVI STA 108+40.00 EL 685.73

PVI STA 110+51.83 EL 683.82

FINISHED PROFILE GRADE @ TRAIL

GILCREASE EXPRESSWAY FINISHED GRADE

PVC STA 112+00.00 EL 683.23

PVI STA 112+75.00 EL 682.93

-0.40% -0.40% -1.50% -1.50% -0.50% -0.50%

L= 150.00' K= 150.00

PVRC STA 113+50.00 EL 681.81

PVI STA 114+25.00 EL 680.68

L= 150.00' K= 136.36

PVT STA 115+00.00 EL 680.31

50% plans

SCALE: HORIZ.: 1"=50' VERT.: 1"=10'

	EXIST.	706.2	712.1	710.7	697.2	688.8	697.0	686.5	685.2	683.8	681.2	681.8	680.4	682.9
	PROP.	706.90	705.92	704.01	701.92	698.90	695.91	692.92	689.93	686.93	685.01	684.10	683.63	683.23
STA		100+00	101	102	103	104	105+00	106	107	108	109	110+00	111	112

		682.46	681.14	680.31
		682.1	680.0	680.1
STA		113	114	115+00

TRAIL

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET
(SHEET 7 OF 16)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	10/17	CONTRACT NO. GCT-2500
DETAILED	BWH	7/17	
CHECKED	NAB	10/17	DATE: 10/30/2017 SHEET NO. R158

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SUPPORTING SHEETS LIST	
GEOMETRIC DATA	R004 TO R041
PLAN SHEETS	R042 TO R064

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

LEGEND
- *EXIST. GRADE*
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

50% plans

SCALE: HORIZ.: 1"=50' VERT.: 1"=10'

PVT STA 115+00.00 EL 680.31
-0.50%
PVC STA 117+25.00 EL 679.18
L= 400.00'
K= 800.00
-0.50%
PVI STA 119+25.00 EL 678.18
-1.00%
PVT STA 121+25.00 EL 676.18
-1.00%
PVC STA 122+25.00 EL 675.18
-1.00%
-1.75%
PVI STA 123+25.00 EL 674.18
-1.75%
PVT STA 124+25.00 EL 672.43
L= 200.00'
K= 266.67
EVI STA 124+60.10 EL 671.82
PVI STA 125+05.00 EL 671.49
MATCH EXISTING W. 31ST ST. S.
1.10%
PVC STA 127+85.00 EL 674.57
L= 600.00'
K= 100.00
HI 128+95.00 EL 675.17
1.10%
FINISHED PROFILE GRADE @ TRAIL
EXIST. GRADE @ TRAIL

EXIST.	680.31	679.81	679.31	678.77	678.11	677.33	676.43	675.43	674.32	672.86	671.57	672.53	673.63	674.72	675.17	674.62
PROP.	680.1	679.6	678.8	678.2	677.6	676.4	676.4	675.3	674.4	673.6	673.2	673.6	672.8	6729	6730	6722

115+00 116 117 118 119 120+00 121 122 123 124 125+00 126 127 128 129 130+00

TRAIL

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET
(SHEET 8 OF 16)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	10/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R159

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

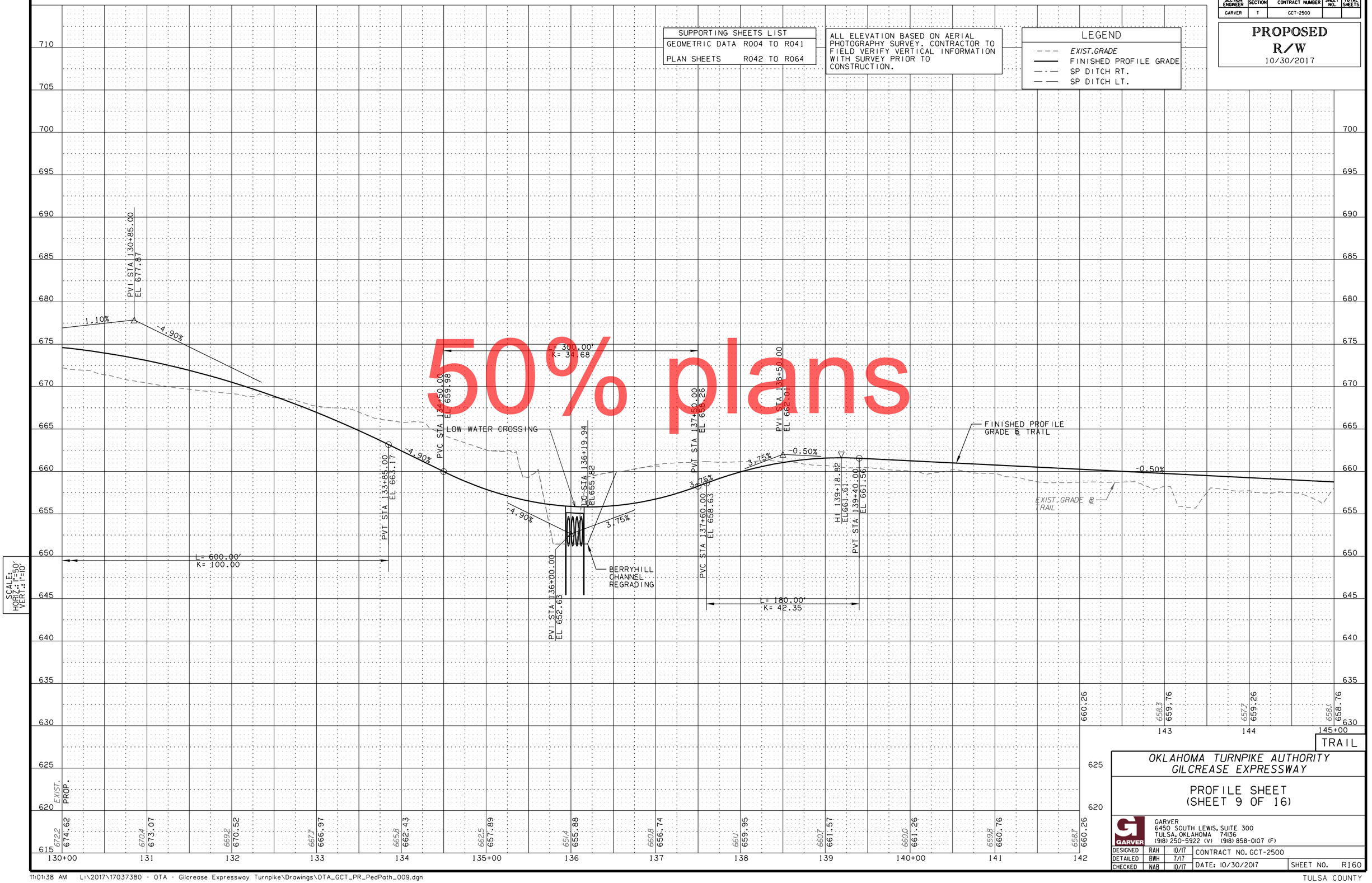
PROPOSED R/W
10/30/2017

SUPPORTING SHEETS LIST	
GEOMETRIC DATA	R004 TO R041
PLAN SHEETS	R042 TO R064

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

LEGEND
- *EXIST.GRADE*
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

50% plans



OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET
(SHEET 9 OF 16)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	10/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R160

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

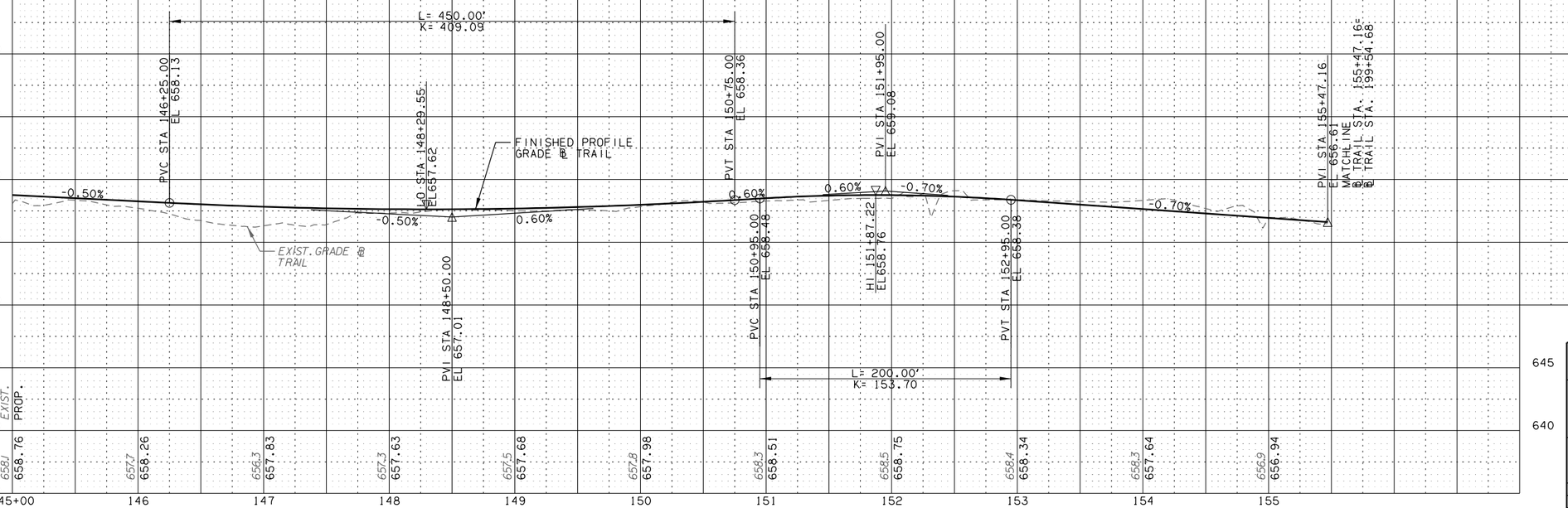
SUPPORTING SHEETS LIST	
GEOMETRIC DATA	R004 TO R041
PLAN SHEETS	R042 TO R064

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

LEGEND
- *EXIST.GRADE*
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

50% plans

SCALE:
HORIZ.: 1"=50'
VERT.: 1"=10'



TRAIL

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET
(SHEET 10 OF 16)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	RAH	10/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R161

OKLAHOMA TURNPIKE AUTHORITY

SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SUPPORTING SHEETS LIST	
GEOMETRIC DATA	R004 TO R041
PLAN SHEETS	R042 TO R064

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

LEGEND
- *EXIST. GRADE*
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

MATCH LINE
TRAIL STA. 155+47.16
TRAIL STA. 199+54.68
PVI STA 199+54.68
EL 656.61
-0.70%
PVC STA 200+00.00
EL 656.29
L= 200.00'
K= 166.67
-0.70%
PVI STA 201+00.00
EL 655.59
0.50%
LO STA 201+16.67
EL 655.88
PVT STA 202+00.00
EL 656.09
EXIST. GRADE @ TRAIL
0.50%
PVC STA 204+00.00
EL 657.09
FINISHED PROFILE GRADE @ TRAIL
0.50%
PVI STA 206+00.00
EL 658.09
1.70%
L= 400.00'
K= 333.33
PVT STA 208+00.00
EL 661.49
1.70%
PVC STA 209+40.00
EL 663.87
1.70%
PVI STA 210+90.00
EL 666.42
-1.40%
HI 211+04.52
EL 665.27
-1.40%
PVT STA 212+40.00
EL 664.32
-0.70%
PVI STA 210+22.00
EL 658.65 SP DT RT.
L= 300.00'
K= 96.77
PVI STA 213+00.00
EL 656.71 SP DT RT.
+80.00
+95.00
NORMAL CROWN
S=-2.00%
REVERSE CROWN
S=+2.00%
15' TRANSITION

50% plans

	199	200+00	201	202	203	204	205+00	206	207	208	209	210+00	211	212	213	214
EXIST.		656.7		657.0		657.7	658.1		659.7	661.6	663.0	664.3	664.6	664.4	662.5	660.3
PROP.		656.29	655.89	656.09	656.59	657.09	657.74	658.69	659.94	661.49	663.19	664.71	665.27	664.80	663.48	662.08

SCALE:
HORIZ.: 1"=50'
VERT.: 1"=10'

TRAIL

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET
(SHEET 11 OF 16)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	HBV	10/17	CONTRACT NO. GCT-2500
DETAILED	BWH	7/17	
CHECKED	NAB	10/17	DATE: 10/30/2017

SHEET NO. R162

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SUPPORTING SHEETS LIST	
GEOMETRIC DATA	R004 TO R041
PLAN SHEETS	R042 TO R064

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

LEGEND
- *EXIST.GRADE*
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

REVERSE CROWN S=+2.00% | +70.00 | +00.00 | NORMAL CROWN S=-2.00%
30' TRANSITION

FINISHED PROFILE GRADE @ TRAIL

PVC STA 215+30.00 EL 660.26
-1.40%
-2.25%
L= 150.00' K= 42.86

PVI STA 216+05.00 EL 659.21
-1.40%
-4.90%
L= 150.00' K= 47.62

PVC STA 216+84.14 EL 655.33
PVT STA 216+80.00 EL 655.54
-4.90%
-1.75%

PVT STA 218+34.14 EL 650.35
PVI STA 218+90.22 EL 649.37
-1.75%

PVI STA 217+59.14 EL 651.68
PVI STA 217+73.56 EL 646.05 SP DI RT.

EXIST.GRADE @ TRAIL

S. 57TH W. AVE. AT W. 21ST ST. S. FINISHED GRADE

@ S. 57TH W. AVE. AT 21ST ST. S.

MATCH W. 21ST ST. S.

PVI STA 224+49.01 EL 648.63
PVI STA 224+82.81 EL 647.92
PVI STA 225+01.02 EL 647.92
PVI STA 225+07.02 EL 648.42
-2.12%
2.00%

PVC STA 225+50.00 EL 649.28
L= 100.00' K= 111.11

PVI STA 226+00.00 EL 650.28
2.00%
1.10%

PVT STA 226+50.00 EL 650.83

FINISHED PROFILE GRADE @ TRAIL
1.10%

PVC STA 228+00.00 EL 652.48
1.10%

PVI STA 229+00.00 EL 653.58

L= 200.00' K= 63.49

C.R.L. STA. 219+53.77
CONST. 2-6'X5'X321' RC BOX (8)
W/END SECTIONS
FL EL=637.11

50% plans

SCALE:
HORIZ.: 1"=50'
VERT.: 1"=10'

	650.16	651.38	652.48	654.36
EXIST.		651.4	652.2	654.1
PROP.	650.16			

214	215+00	216	217	218	219	220+00	221	222	223	224	225+00	226	227	228	229
EXIST.	660.3	658.7	656.8	654.1	651.0	648.0	646.1	647.1	646.7	648.2	648.2	649.4	650.3		
PROP.	662.08	660.68	658.71	654.58	651.07	649.22	647.56	646.15	645.87	647.05	648.01	647.92	650.16		

TRAIL

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET
(SHEET 12 OF 16)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	HBV	10/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R163

OKLAHOMA TURNPIKE AUTHORITY

SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SUPPORTING SHEETS LIST	
GEOMETRIC DATA	R004 TO R041
PLAN SHEETS	R042 TO R064

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

LEGEND
- *EXIST. GRADE*
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

SCALE:
HORIZ.: 1"=50'
VERT.: 1"=10'

50% plans

PVI STA 229+00.00
EL 653.58
L= 200.00'
K= 63.49
PVT STA 230+00.00
EL 657.83
PVI STA 230+40.41
EL 659.54
4.25%
3.05%
PVI STA 231+55.55
EL 663.06
MATCH RAMP E W. 21ST ST. S.
PVI STA 231+97.89
EL 663.14
0.20%
0.30%
PVI STA 232+26.62
EL 663.20
PVC STA 232+53.44
EL 662.47
-0.70%
L= 50.00'
K= 17.24
HI 232+05.07
EL 663.15
PVC STA 232+01.62
EL 663.15
PVT STA 232+51.62
EL 662.52
L= 190.00'
K= 28.36
PVI STA 233+30.01
EL 661.44
PVI STA 233+48.44
EL 659.91
4.00%
PVT STA 234+43.44
EL 663.71
FINISHED PROFILE GRADE @ TRAIL
PVI STA 236+87.38
EL 673.47
BRIDGE L
RAMP D - W. 21ST ST. S. FINISHED PROFILE GRADE
EXISTING TRACK BURLINGTON NORTHERN
EXIST. GRADE @ TRAIL
C.R.L. STA. 241+93.44
CONST. 24"X184' RCP
W/END SECTIONS
FL/EL=660.60'
21

	229	230+00	231	232	233	234	235+00	236	237	238	239	240+00	241	242	243	244
EXIST.	654.1	656.1	657.8	660.1	654.6	651.9	649.6	647.4	645.9	645.2	646.8	646.8	646.8	648.2	647.9	646.6
PROP.	654.36	657.83	661.36	663.15	661.60	662.30	665.97	669.97					681.06	681.46	681.95	682.49

TRAIL

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET
(SHEET 13 OF 16)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	HBV	10/17	CONTRACT NO. GCT-2500
DETAILED	BWH	7/17	
CHECKED	NAB	10/17	DATE: 10/30/2017 SHEET NO. R164

OKLAHOMA TURNPIKE AUTHORITY

SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SUPPORTING SHEETS LIST

GEOMETRIC DATA	R004 TO R041
PLAN SHEETS	R042 TO R064

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

LEGEND
- *EXIST.GRADE*
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

50% plans

BRIDGE M

PVT STA 262+79.77 EL 675.70

PVC STA 263+00.00 EL 675.60

-0.50%

PVI STA 264+50.00 EL 674.85

-0.50%

-3.75%

FINISHED PROFILE GRADE @ TRAIL

PVT STA 266+00.00 EL 669.22

-3.75%

PVC STA 267+40.00 EL 663.97

L= 300.00'
K= 92.31

L= 1000.00'
K= 202.02

-3.75%

1.20%

PVI STA 272+40.00 EL 645.22

-0.90%

EXIST GRADE @ TRAIL

3.30%

1.00%

0.00%

0.30%

1.40%

PVI STA 262+79.77 EL 639.56 SP DT LT.

PVI STA 263+50.00 EL 637.24 SP DT LT.

PVI STA 263+82.36 EL 636.92 SP DT LT.

PVI STA 264+ 8.19 EL 636.92 SP DT LT.

PVI STA 265+50.00 EL 637.32 SP DT LT.

PVI STA 268+00.00 EL 640.82 SP DT LT.

C.R.L. STA. 264+62.03
CONST. 8'X4'X402' RC BOX
W/END SECTIONS
FL EL=636.30'

11

SCALE:
HORIZ.: 1"=50'
VERT.: 1"=10'

	635.4	639.0	650.9	641	640.0	637.8	638.4	641	640.8	640.8	640.5	640.8
EXIST.	675.60	674.56	672.43	669.22	665.47	661.81	658.61	655.90	653.68			
PROP.										653.68	651.96	650.74	650.00
	259	260+00	261	262	263	264	265+00	266	267	268	269	270+00	271			272	273		274

TRAIL

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET
(SHEET 14 OF 16)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	HBV	10/17
DETAILED	BWH	7/17
CHECKED	NAB	10/17

CONTRACT NO. GCT-2500
DATE: 10/30/2017
SHEET NO. R165

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SUPPORTING SHEETS LIST	
GEOMETRIC DATA	R004 TO R041
PLAN SHEETS	R042 TO R064

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

LEGEND
- *EXIST. GRADE*
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

50% plans

SCALE: HORIZ.: 1"=50' VERT.: 1"=10'

L= 1000.00' K= 202.02
BO STA 274+97.58 EL 649.77
FINISHED PROFILE GRADE @ TRAIL
1.20%
PVT STA 277+40.00 EL 651.22
PVC STA 277+60.00 EL 651.46
H 278+01.52 EL 651.71
PVI STA 278+50.00 EL 652.54
4.00%
PVT STA 279+40.00 EL 648.94
L= 140.00' K= 16.47
PVC STA 280+05.00 EL 646.34
BO STA 280+70.91 EL 645.02
4.50%
PVT STA 281+45.00 EL 646.69
PVI STA 282+25.00 EL 650.29
3.20%
PVC STA 282+37.86 EL 648.88
L= 300.00' K= 82.19
PVC STA 283+15.00 EL 647.41
PVT STA 283+00.00 EL 647.89
BO STA 285+78.01 EL 643.20
PVT STA 286+15.00 EL 643.28
0.45%
0.30%
0.45%
PVC STA 287+50.00 EL 643.89
PVI STA 287+70.43 EL 641.88 SP DT RT.
L= 300.00' K= 400.00
EXIST. GRADE @ TRAIL
L= 180.00' K= 34.60
0.00%
1.02%
3.00%
1.40%
L= 150.00' K= 19.48
PVI STA 277+94.04 EL 631.87 SP DT LT.
PVI STA 278+34.47 EL 631.87 SP DT LT.
PVI STA 279+60.00 EL 633.15 SP DT LT.
PVI STA 280+11.56 EL 635.33 SP DT RT.
PVI STA 280+75.00 EL 643.54
PVI STA 281+90.00 EL 640.05 SP DT LT.
PVI STA 284+00.00 EL 640.76 SP DT RT.
PVI STA 284+65.00 EL 642.61
C.R.L. STA. 278+04.38
CONST. 12'X6'X632' RC BOX W/END SECTIONS
FL EL=631.78'
12

	274	275+00	276	277	278	279	280+00	281	282	283	284	285+00	286	287	288	289
EXIST.	636.2	636.9	636.2	635.7	634.7	635.5	637.7	642.1	647.6	647.7	643.3	643.1	644.8	644.0	643.5	643.4
PROP.	650.00	649.77	650.03	650.78	651.71	650.31	646.54	645.28	648.52	647.89	645.13	643.57	643.23	643.66	644.08	644.28

TRAIL

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET
(SHEET 15 OF 16)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	HBV	10/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R166

OKLAHOMA TURNPIKE AUTHORITY

SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SUPPORTING SHEETS LIST	
GEOMETRIC DATA	R004 TO R041
PLAN SHEETS	R042 TO R064

ALL ELEVATION BASED ON AERIAL PHOTOGRAPHY SURVEY. CONTRACTOR TO FIELD VERIFY VERTICAL INFORMATION WITH SURVEY PRIOR TO CONSTRUCTION.

LEGEND
- *EXIST.GRADE*
- FINISHED PROFILE GRADE
- SP DITCH RT.
- SP DITCH LT.

50% plans

SCALE: HORIZ.: 1"=50' VERT.: 1"=10'

PVI STA 289+00.00 EL 644.56
H.I. 289+30.00 EL 644.29
-0.30%
PVC STA 290+50.00 EL 644.11
PVT STA 290+95.00 EL 643.98
L= 300.00' K= 400.00
H.I. STA 291+29.29 EL 643.93
PVI STA 291+35.00 EL 643.86
PVT STA 291+75.00 EL 644.02
PVI STA 291+76.96 EL 644.03
0.40%
PVC STA 291+76.83 SP DT LT.
PVI STA 291+76.83 EL 643.01 SP DT LT.
EXISTING GRADE CHARLES PAGE BLVD.
L= 80.00' K= 114.29
PVI STA 292+33.55 EL 644.81
-3.18%
PVI STA 293+33.53 EL 641.64
PVI STA 293+57.04 EL 641.43
EXISTING GRADE W. 7TH ST.
-2.60%
PVC STA 294+05.00 EL 642.68
L= 300.00' K= 96.77
PVI STA 295+55.00 EL 646.58
H.I. 295+56.61 EL 645.96
PVT STA 297+05.00 EL 645.83
FINISHED PROFILE GRADE @ TRAIL
-0.50%
EXIST.GRADE @ TRAIL
PVI STA 299+55.00 EL 644.58
PVC STA 298+80.00 EL 644.96
2.60%
L= 150.00' K= 71.43
PVT STA 300+30.00 EL 642.63
PVC STA 300+60.00 EL 641.85
PVT STA 300+80.00 EL 641.33
PVI STA 300+80.00 EL 641.33
L= 40.00' K= 22.22
PVC STA 301+00.00 EL 641.17
PVI STA 301+03.48 EL 641.14
PVI STA 301+23.16 EL 641.19
0.38%
0.80%
EXISTING GRADE W. 4TH ST.
PVC STA 301+45.00 EL 642.26
PVI STA 301+65.00 EL 643.28
PVT STA 301+85.00 EL 643.32
PVI STA 301+86.48 EL 643.32
0.20%
STA. 301+86.48 END CONSTRUCTION TRAIL
EXISTING GRADE KATY TRAIL
L= 40.00' K= 8.37
C.R.L. STA. 301+57.86
CONST. 5'X4'X47' RC BOX W/END SECTIONS
FL LT.=636.99'
FL RT.=636.69'
104b
104a
C.R.L. STA. 301+53.04
CONST. 12'X5'X88' RC BOX W/END SECTIONS
FL LT.=635.53'
FL RT.=635.27'

EXIST.	643.4	643.3	643.7	644.3	643.7	642.3	645.7	645.5	645.2	644.7	645.3	642.3	641.4
PROP.	644.28	644.23	643.97	644.35	642.70	642.55	644.69	645.79	645.86	645.36	644.83	643.35	641.17
	289	290+00	291	292	293	294	295+00	296	297	298	299	300+00	301

302 642.2

TRAIL

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

PROFILE SHEET
(SHEET 16 OF 16)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	HBV	10/17	CONTRACT NO. GCT-2500
DETAILED	BWH	7/17	
CHECKED	NAB	10/17	DATE: 10/30/2017 SHEET NO. R167

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

0 400 800 1200
SCALE

63RD W. AVE.
W. 51ST ST.
W. 39TH ST.
W. 37TH ST.
61ST W. AVE.
W. 41ST ST.
GILCREASE EXPRESSWAY
57TH W. AVE.
W. 31ST ST.
W. 46TH ST.
W. 49TH ST.
47TH W. AVE.
43RD W. AVE.
49TH W. AVE.
W. 30TH ST.

STR. 1 19.89 ACRES
STR. 2 15.79 ACRES
STR. 3 8.54 ACRES
STR. 4 54.55 ACRES
STR. 5 11.59 ACRES
STR. 6 13.00 ACRES
STR. 7 7.78 ACRES
STR. 16 3.20 ACRES
STR. 17 5.40 ACRES
STR. 18 2.38 ACRES
STR. 100 51.40 ACRES

50% plans

CULVERT CROSSING

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

DRAINAGE AREA MAP
(SHEET 1 OF 20)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	JWJ	10/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	10/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R168

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

0 400 800 1200
SCALE

Arkansas River
Bigheart Cr
Berryhill Creek
Harlow Creek

CHARLES PAGE BLVD.
65TH W. AVE.
61ST W. AVE.
W. 23RD ST.
W. 21ST ST.
49TH W. AVE.
W. 11TH ST.
W. 8TH ST.
41ST W. AVE.
48TH W. AVE.
W. 1ST ST.
W. EDISON ST.
KEYSTONE EXPRESSWAY
GILCREASE EXPRESSWAY
BURLINGTON NORTHERN RAILROAD
SAND SPRINGS RAILROAD

STR. 8 38.93 ACRES
STR. 9 6.79 ACRES
STR. 10 4.74 ACRES
STR. 21 2.06 ACRES
STR. 11 19.14 ACRES
STR. 12 77.50 ACRES
STR. 102 3.19 ACRES
STR. 101 3.09 ACRES
STR. 103 26.97 ACRES
STR. 651 2.02 ACRES
STR. 650 1.92 ACRES
STR. 104a 55.69 ACRES
STR. 104b 15.71 ACRES
STR. 13 8.20 ACRES
STR. 14 3.60 ACRES
STR. 15 18.87 ACRES

8 9 10 11 12 102 103 104 A/B 13 14 15

270+00 280+00 290+00 300+00 310+00 320+00 330+00 340+00 350+00 360+00 370+00 380+00

300 350 650 700 750

CULVERT CROSSING

50% plans

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

DRAINAGE AREA MAP (SHEET 2 OF 20)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	JWJ	10/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	10/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R169

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

0 20 40 60
SCALE
MILES

50% plans

BRIDGES M & N
DRAINAGE BASIN=
12,541 SQ. MI

FOR THIS AREA
SEE INSET

0 3000 6000 9000
SCALE

KEYSTONE
EXPRESSWAY

BRIDGE W

GILCREASE
EXPRESSWAY

BRIDGE Z
DRAINAGE BASIN=
5.7 SQ. MI

BRIDGES M & N
DRAINAGE BASIN=
12,541 SQ. MI

BRIDGE F&G
DRAINAGE BASIN=
4.9 SQ. MI

BRIDGE X

BRIDGE Y

BRIDGE

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

DRAINAGE AREA MAP
(SHEET 3 OF 20)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	JWJ	10/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	10/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R170

OKLAHOMA TURNPIKE AUTHORITY

SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED
R/W
10/30/2017

0 60 120 180
SCALE

459
458
457
456
455
454
453
452
451
450
MH451
MH450
MH401
411
412
413
414
415
416
417
418
419
420
421
206
205
204
202
201
200
253
252

STR. 458
0.42 ACRES
STR. 457
0.93 ACRES
STR. 456
0.28 ACRES
STR. 455
0.23 ACRES
STR. 454
0.25 ACRES
STR. 453
0.67 ACRES
STR. 452
1.92 ACRES
STR. 451
0.14 ACRES
STR. 450
0.64 ACRES
STR. 418
2.41 ACRES
STR. 419
0.64 ACRES
STR. 417
0.72 ACRES
STR. 420
0.84 ACRES
STR. 421
0.16 ACRES
STR. 415
0.27 ACRES
STR. 413
0.21 ACRES
STR. 411
0.50 ACRES
STR. 414
0.26 ACRES
STR. 416
0.22 ACRES
STR. 412
0.40 ACRES
STR. 206
1.25 ACRES
STR. 253
0.24 ACRES
STR. 252
0.02 ACRES
STR. 205
0.56 ACRES
STR. 204
0.30 ACRES
STR. 202
0.19 ACRES
STR. 201
0.19 ACRES
STR. 200
0.32 ACRES
STR. 203
2.35 ACRES

MATCH LINE
(SEE SHEET R173)

MATCH LINE
(SEE SHEET R172)

MATCH LINE
(SEE SHEET R172)

20+00
15+00
10+00

W. 51ST. FRONTAGE RD.
W. 51ST. ST.
GILCREASE
EXPRESSWAY

50% plans

STORM SEWER

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

DRAINAGE AREA MAP
(SHEET 4 OF 20)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

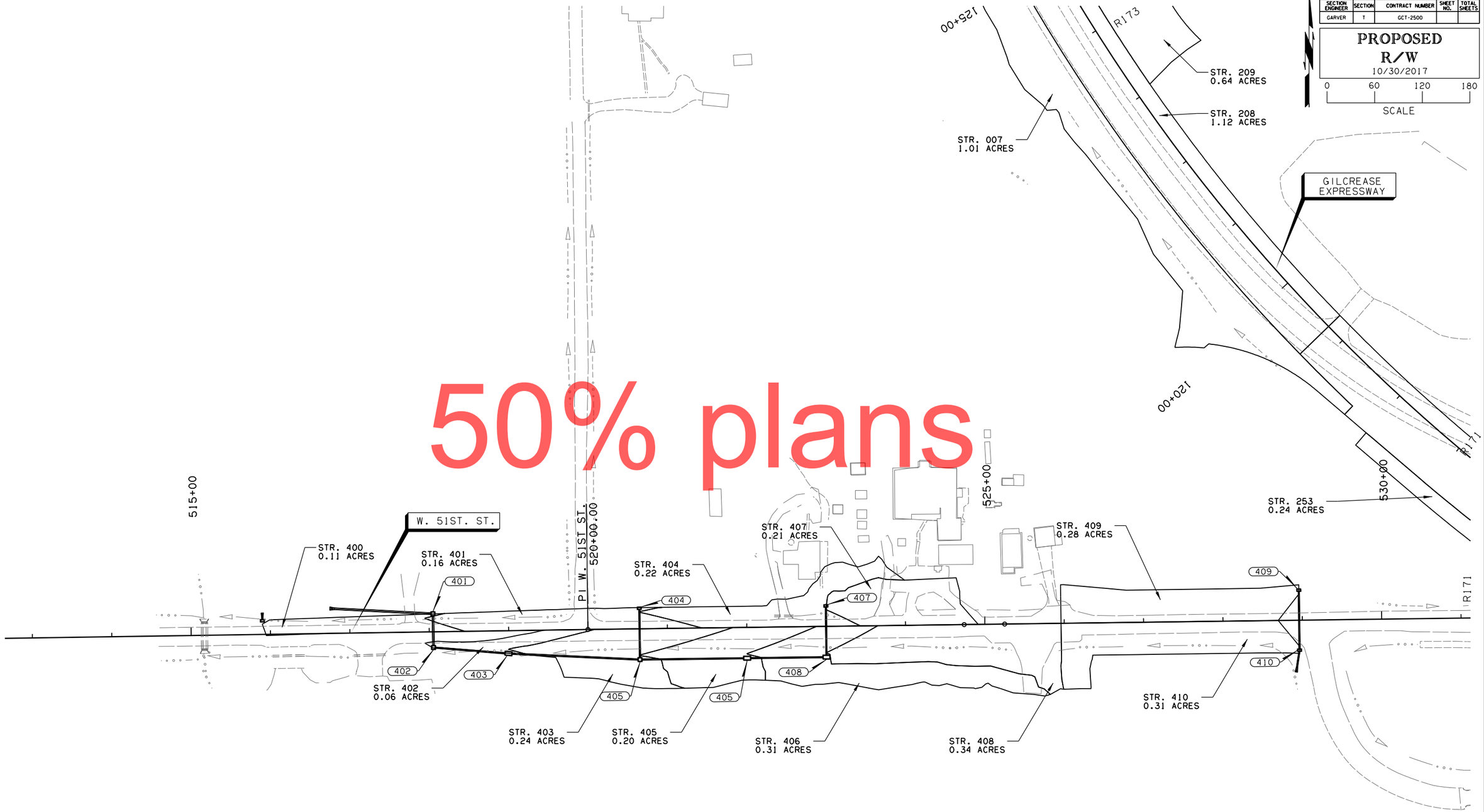
DESIGNED	JWJ	10/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	10/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R171

50% plans

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

0 60 120 180
SCALE



STORM SEWER

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

DRAINAGE AREA MAP
(SHEET 5 OF 20)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	JWJ	10/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	10/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R172

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

0 60 120 180
SCALE

W. 51ST ST. RAMP C

W. 51ST ST. RAMP D

W. 51ST ST. FRONTAGE RD.

GILCREASE EXPRESSWAY

STR. 207 1.01 ACRES
STR. 208 1.12 ACRES
STR. 209 0.64 ACRES
STR. 210 0.31 ACRES
STR. 211 0.34 ACRES
STR. 212 0.33 ACRES
STR. 213 0.23 ACRES
STR. 214 0.20 ACRES
STR. 215 0.19 ACRES
STR. 216 0.19 ACRES
STR. 217 0.19 ACRES
STR. 218 0.19 ACRES
STR. 219 0.72 ACRES
STR. 457 0.93 ACRES
STR. 458 0.42 ACRES
STR. 459 0.38 ACRES
STR. 460 0.17 ACRES
STR. 461 0.42 ACRES
STR. 462 0.39 ACRES

3125+00 3130+00 3135+00 4125+00 4130+00 4135+00 25+00 30+00

MATCH LINE (SEE SHEET RT72)
MATCH LINE (SEE SHEET RT74)
MATCH LINE (SEE SHEET RT71)

50% plans

STORM SEWER

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

DRAINAGE AREA MAP (SHEET 6 OF 20)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	JWJ	10/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	10/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R173

50% plans

OKLAHOMA TURNPIKE AUTHORITY

SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

0 60 120 180
SCALE

EXPLORER PIPELINE

145+00 150+00 155+00 1155+00

STR. 220
0.58 ACRES

GILCREASE EXPRESSWAY

W. 41ST ST. S.
RAMP A

220

STR. 220
0.58 ACRES

STR. 222
0.53 ACRES

221

STR. 221
1.35 ACRES

STR. 516
3.57 ACRES

MATCH LINE
(SEE SHEET R173)

MATCH LINE
(THIS SHEET)

STR. 505
0.31 ACRES

STR. 515
2.40 ACRES

STR. 514
1.59 ACRES

MH-508

MH-507

MH-506

514

515

1165+00

1170+00

STR. 506
0.49 ACRES

S. 57TH W. AVE.
AT W. 41ST ST. S.

STR. 520
0.90 ACRES

520

521

STR. 521
0.56 ACRES

1160+00

254

255

165+00

175+00

170+00

W. 41ST ST. S.

STR. 224
0.80 ACRES

223

222

STR. 222
0.53 ACRES

STR. 223
0.87 ACRES

W. 41ST ST. S.
RAMP D

507

506

2160+00

STR. 507
0.64 ACRES

2165+00

W. 41ST ST. S.
RAMP B

509

2170+00

4170+00

STR. 509
0.29 ACRES

508

STR. 508
0.15 ACRES

MATCH LINE
(THIS SHEET)

MATCH LINE
(SEE SHEET R178)

STORM SEWER

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

DRAINAGE AREA MAP
(SHEET 7 OF 20)

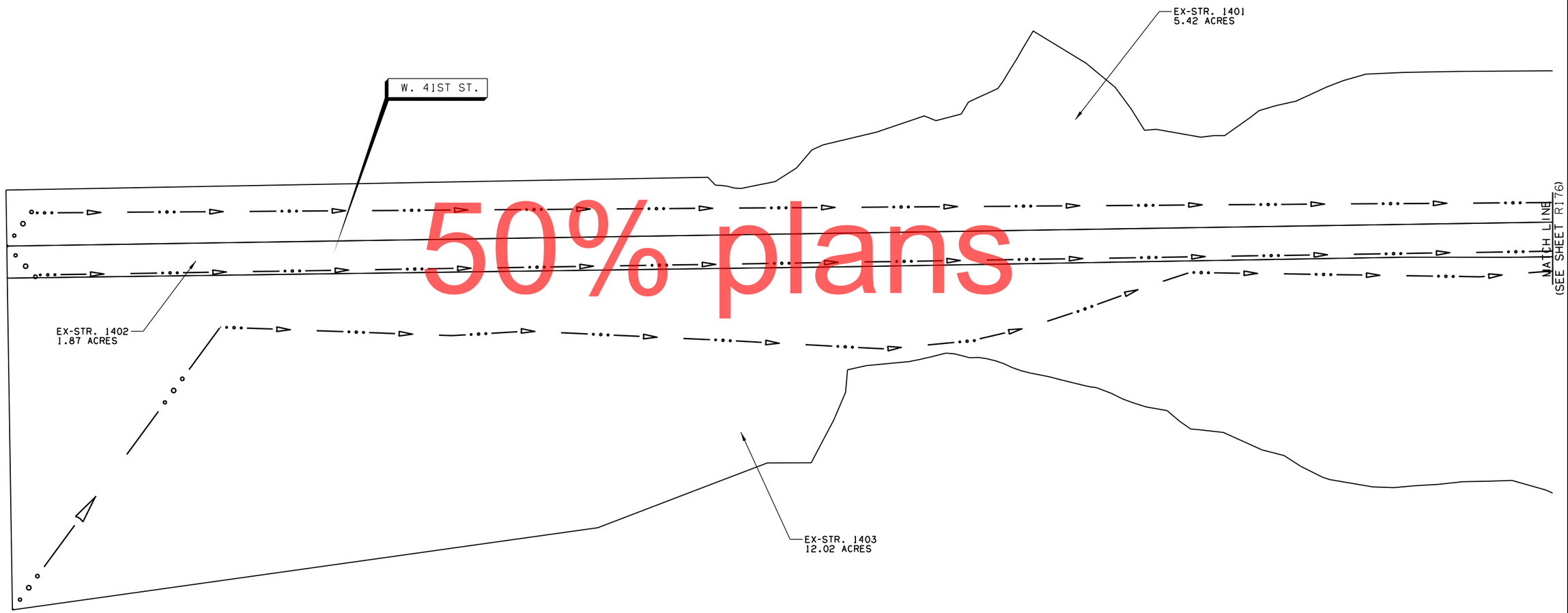
GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	JWJ	10/17	CONTRACT NO. GCT-2500		
DETAILED	BWH	10/17			
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO.	R174

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

0 60 120 180
SCALE



50% plans

STORM SEWER

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

DRAINAGE AREA MAP
(SHEET 8 OF 20)

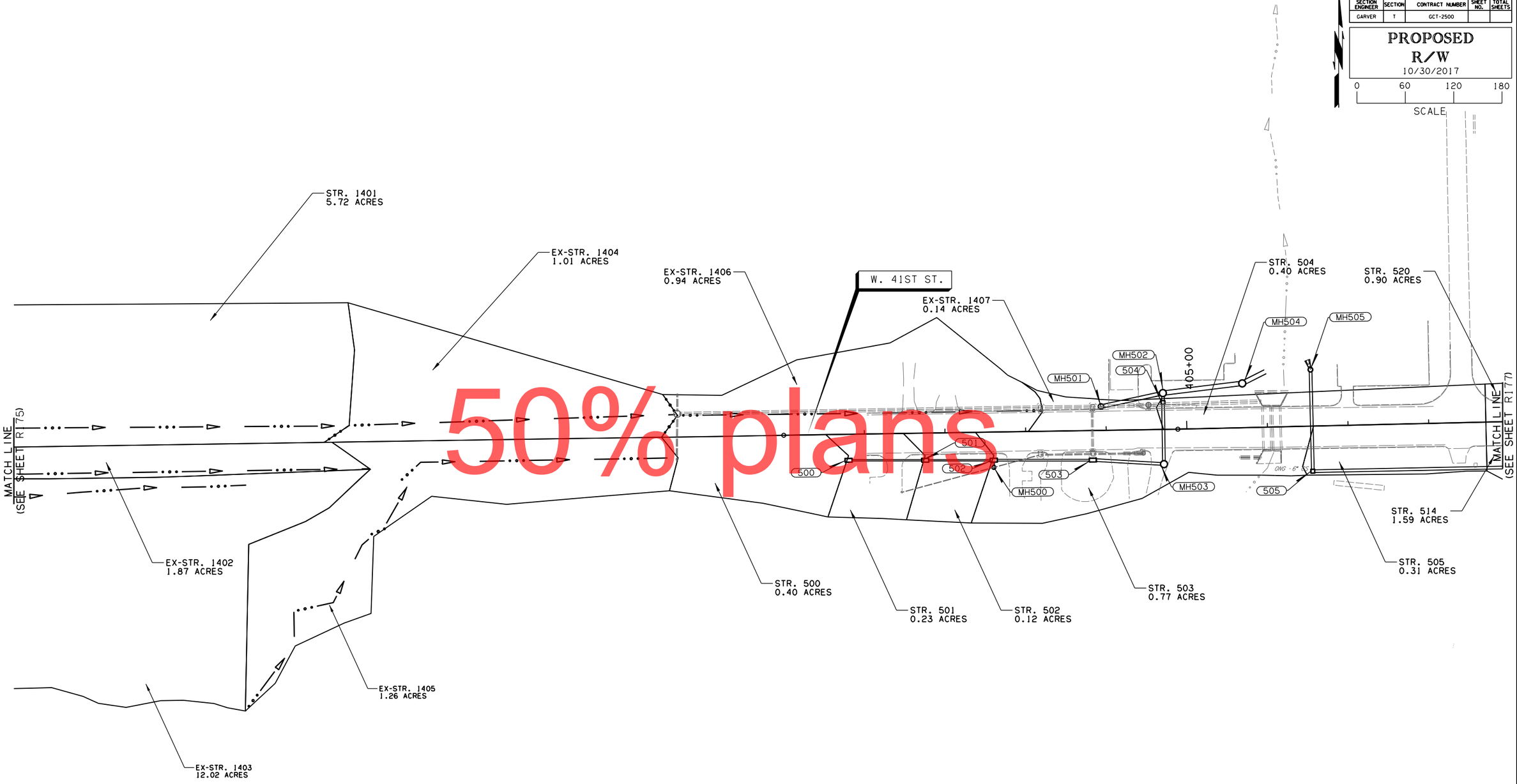
GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	JWJ	10/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	10/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R175

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

0 60 120 180
SCALE



50% plans

STORM SEWER

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

DRAINAGE AREA MAP
(SHEET 9 OF 20)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	JWJ	10/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	10/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R176

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

0 120 240 360
SCALE



50% plans

STORM SEWER

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

DRAINAGE AREA MAP
(SHEET 10 OF 20)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	JWJ	10/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	10/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R177

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

0 60 120 180
SCALE

57TH W. AVE.

65+00 70+00 75+00 80+00 180+00 185+00 190+00 4180+00 4185+00 4190+00

STR. 520 0.90 ACRES
STR. 521 0.56 ACRES
STR. 522 0.25 ACRES
STR. 523 0.18 ACRES
STR. 524 0.85 ACRES
STR. 525 0.26 ACRES
STR. 211 0.34 ACRES
STR. 225 0.34 ACRES
STR. 226 0.75 ACRES
STR. 227 0.45 ACRES

522 523 524 525 256 224 225 MH-200 MH-201 226 227

GILCREASE EXPRESSWAY

W. 41ST ST. RAMP D

MATCH LINE (SEE SHEET R174)

MATCH LINE (SEE SHEET R179)

ONG - 2" CS

SD 2" - ONG

50% plans

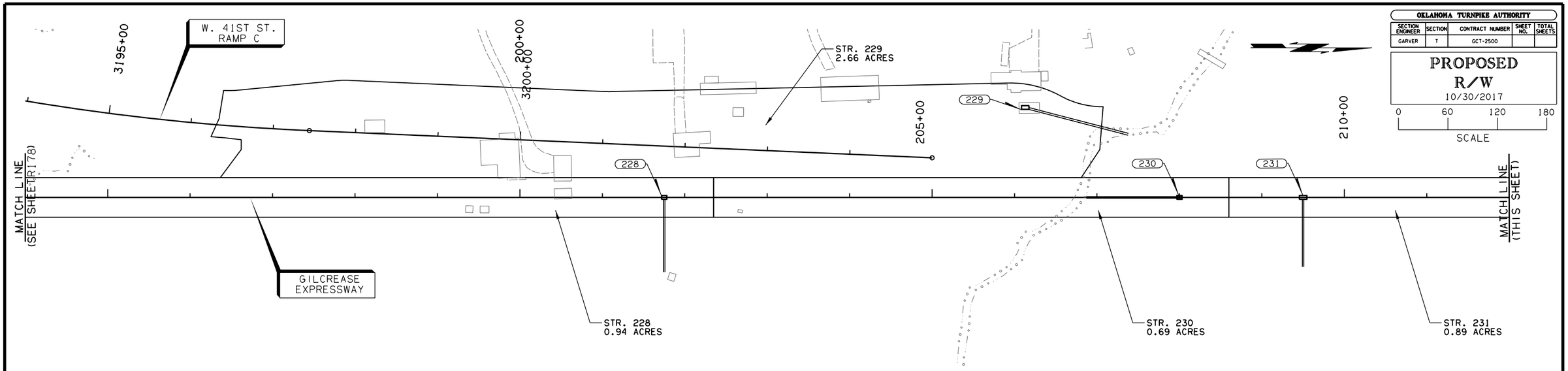
STORM SEWER

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

DRAINAGE AREA MAP
(SHEET 11 OF 20)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	JWJ	10/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	10/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R178

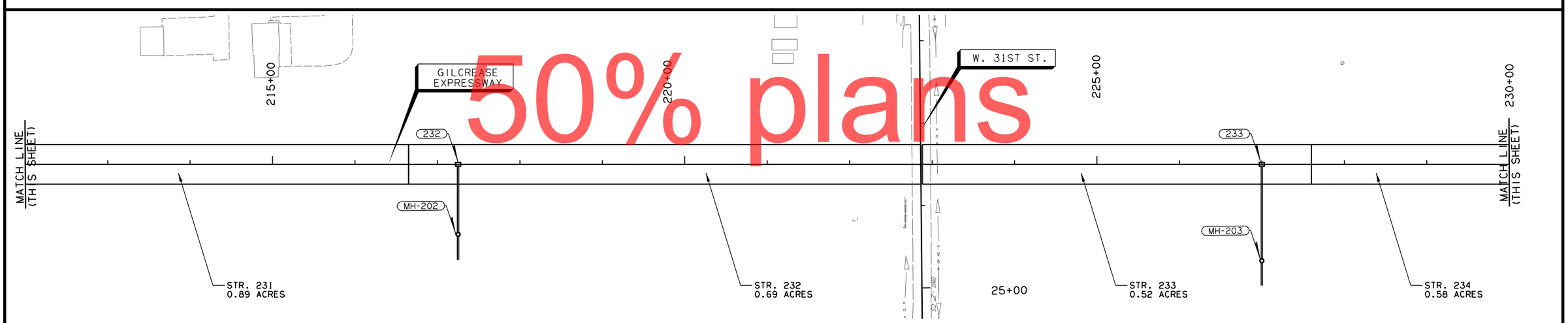


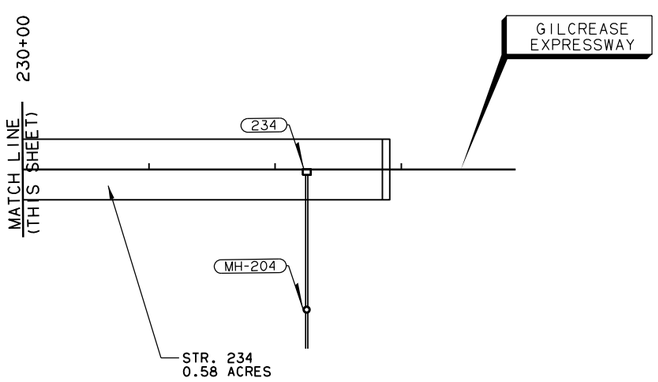
OKLAHOMA TURNPIKE AUTHORITY

SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

0 60 120 180
SCALE





50% plans

STORM SEWER

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

DRAINAGE AREA MAP
(SHEET 12 OF 20)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

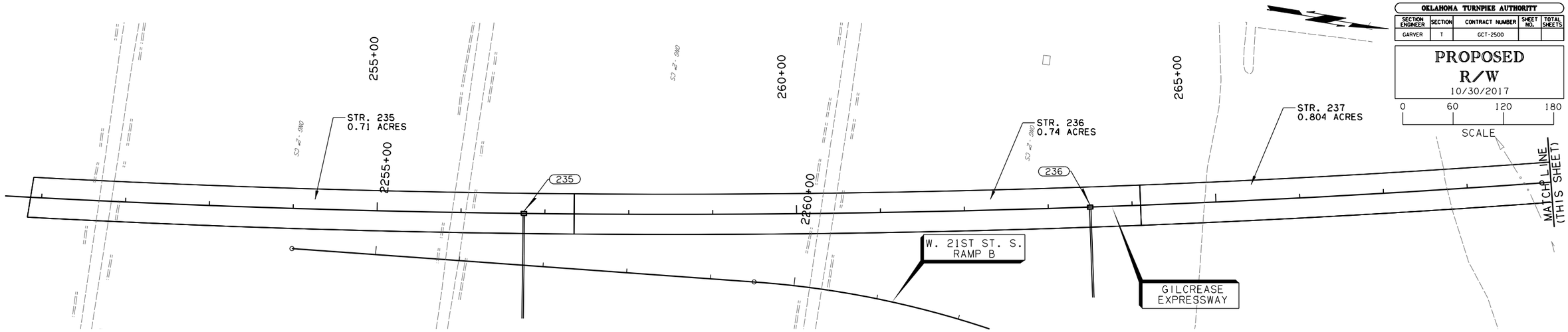
DESIGNED	JWJ	10/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	10/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R179

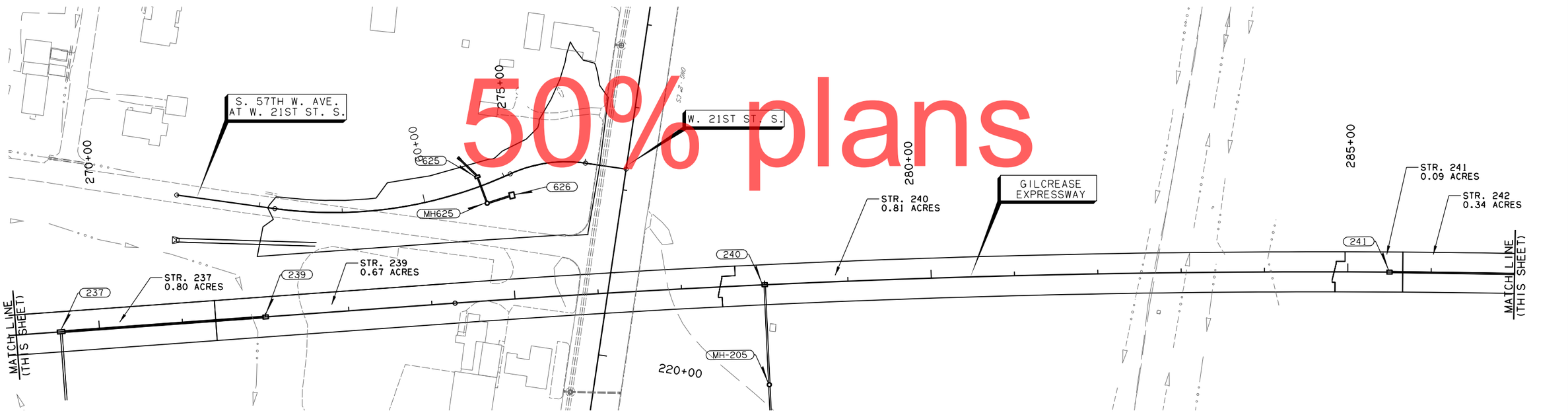
50% plans

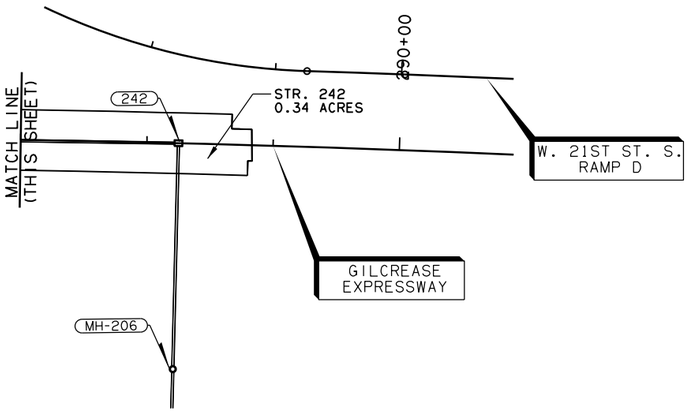
OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

0 60 120 180
SCALE







STORM SEWER

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

DRAINAGE AREA MAP
(SHEET 13 OF 20)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	JWJ	10/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	10/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R180

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

0 60 120 180
SCALE

230+00

235+00

3265+00

W. 21ST ST. S.

W. 21ST ST. S. RAMP F

W. 21ST ST. S. RAMP C

W. 21ST ST. RAMP B

BERRYHILL CREEK

601 602 603 604 605 606 607 608 609

MH601 MH602 MH603 MH604 MH605

STR. 601
0.33 ACRES

STR. 602
0.33 ACRES

STR. 603
0.15 ACRES

STR. 604
0.19 ACRES

STR. 605
0.33 ACRES

STR. 606
0.06 ACRES

STR. 607
2.30 ACRES

STR. 608
0.11 ACRES

STR. 609
0.71 ACRES

EX-STR. 600
1.88 ACRES

EX-STR. 601
0.44 ACRES

EX-STR. 602
0.96 ACRES

EX-STR. 603
0.40 ACRES

EX-STR. 604
0.45 ACRES

EX-STR. 605
0.33 ACRES

EX-STR. 606
5.50 ACRES

ONG - 2" CS

50% plans

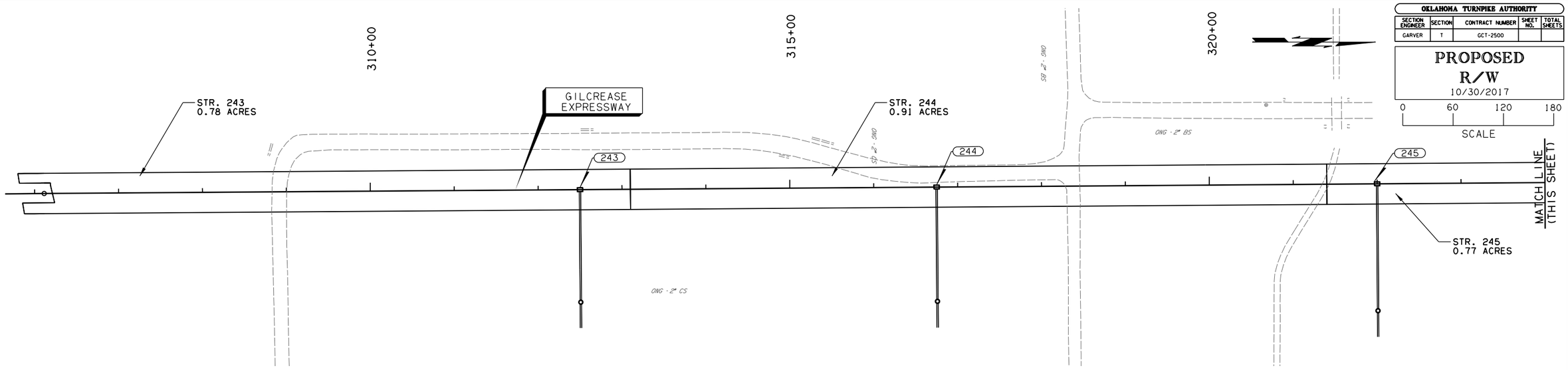
STORM SEWER

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

DRAINAGE AREA MAP
(SHEET 14 OF 20)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	JWJ	10/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	10/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R181

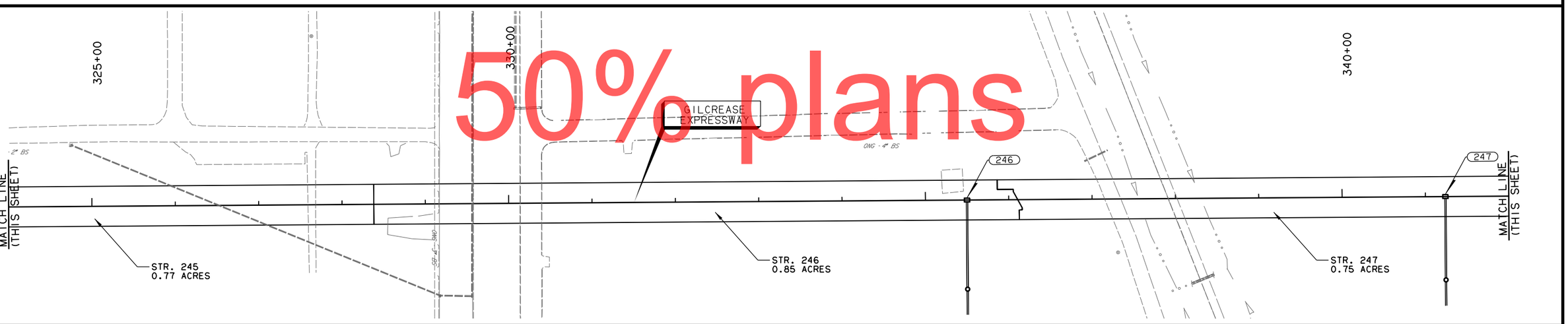


OKLAHOMA TURNPIKE AUTHORITY

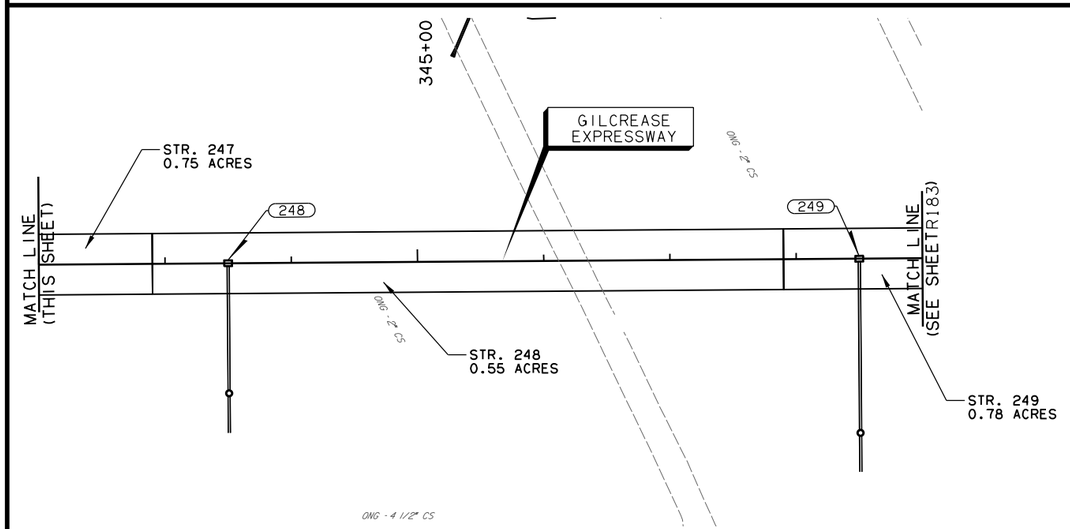
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

0 60 120 180
SCALE



50% plans



STORM SEWER

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

DRAINAGE AREA MAP
(SHEET 15 OF 20)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	JWJ	10/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	10/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R182

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

0 60 120 180
SCALE

STR. 307
12.90 ACRES

STR. 308
2.29 ACRES

355+00

MATCH LINE
(SEE SHEET R184)

STR. 250
0.30 ACRES

STR. 650
1.92 ACRES

STR. 656
0.37 ACRES

65+00

STR. 659
0.70 ACRES

656

STR. 657
0.22 ACRES

MH651

ONG - 2" CS

350+00

MH650

STR. 654
0.05 ACRES

STR. 655
0.04 ACRES

STR. 658
0.21 ACRES

654

650

655

659

660

657

658

STR. 660
3.29 ACRES

00+09

MATCH LINE
(SEE SHEET R182)

249

STR. 249
0.78 ACRES

STR. 651
2.01 ACRES

651

W. 2ND ST.

STR. 653
0.19 ACRES

652

653

STR. 652
0.18 ACRES

345+00

GILCREASE
EXPRESSWAY

ONG - 4 1/2" CS

248

STR. 248
0.55 ACRES

MATCH LINE
(SEE SHEET R182)

50% plans

STORM SEWER

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

DRAINAGE AREA MAP
(SHEET 16 OF 20)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	JWJ	10/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	10/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R183

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

0 60 120 180
SCALE

50% plans

EX-STR. 306
1.29 ACRES

STR. 305
2.57 ACRES

EX-STR. 307
0.96 ACRES

EX-STR. 305
0.42 ACRES

STR. 302
2.13 ACRES

STR. 306
9.06 ACRES

EX-STR. 309
0.25 ACRES

MH302

302

S. 65TH W. AVE.
RAMP A

MH301

303

MH303

STR. 304
1.82 ACRES

EX-STR. 308
0.17 ACRES

S.65TH W. AVE

320+00

325+00

304

MATCH LINE
(SEE SHEET R185)

KEYSTONE
EXPRESSWAY

315+00

310+00

EX-STR. 302
0.15 ACRES

EX-STR. 304
2.39 ACRES

301

EX-STR. 303
0.13 ACRES

EX-STR. 310
2.27 ACRES

2325+00

STR. 301
2.58 ACRES

S. 65TH W. AVE.
RAMP B

2320+00

EX-STR. 301
1.71 ACRES

STORM SEWER

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

DRAINAGE AREA MAP
(SHEET 17 OF 20)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	JWJ	10/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	10/17	DATE: 10/30/2017	SHEET NO. R184
CHECKED	NAB	10/17		

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

0 60 120 180
SCALE

50% plans

STR. 309
10.14 ACRES

N. C-D ROAD

MH307

S. 65TH W. AVE.
RAMP A

MH305

309

KEYSTONE
EXPRESSWAY

305

STR. 306
9.06 ACRES

MH304

306

307

EX-STR. 311
2.26 ACRES

308

S. C-D ROAD

MH306

STR. 307
12.90 ACRES

S. 65TH W. AVE.
RAMP B

STR. 308
2.29 ACRES

GILCREASE
EXPRESSWAY

STR. 250
0.30 ACRES

STR. 304
1.82 ACRES

STR. 301
2.58 ACRES

EX-STR. 310
2.27 ACRES

6345+00
6340+00
6335+00
6330+00
6325+00
6320+00
6315+00
6310+00
6305+00

MATCH LINE
(SEE SHEET R184)

MATCH LINE
(SEE SHEET R183)

STORM SEWER

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

DRAINAGE AREA MAP
(SHEET 18 OF 20)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	JWJ	10/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	10/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R185

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

0 60 120 180
SCALE

MATCH LINE (THIS SHEET)

GILCREASE EXPRESSWAY

370+00

STR. 251
0.66 ACRES

6360+00

MATCH LINE (THIS SHEET)

STR. 309
10.14 ACRES

6350+00

363+00

N. C-D ROAD

6355+00

STR. 251
0.66 ACRES

49TH W. AVE.
RAMP D

4365+00

6365+00

STR. 312
0.70 ACRES

312

EX-STR. 311
2.26 ACRES

350+00

355+00

360+00

EX-STR. 312
1.87 ACRES

MATCH LINE (SEE SHEET TR186)

KEYSTONE EXPRESSWAY

MATCH LINE (SEE SHEET TR187)

5365+00

313

5360+00

MH308

GILCREASE EXPRESSWAY

STR. 313
2.88 ACRES

314

STR. 315
1.31 ACRES

STR. 308
2.29 ACRES

STR. 307
?.?? ACRES

310

5350+00

5355+00

3360+00

49TH W. AVE.
RAMP C

3365+00

311

STR. 310
1.08 ACRES

STR. 314
4.24 ACRES

MATCH LINE (SEE SHEET TR183)

STR. 250
0.30 ACRES

STR. 311
0.67 ACRES

S. C-D ROAD

STORM SEWER

50% plans

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

DRAINAGE AREA MAP
(SHEET 19 OF 20)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	JWJ	10/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	10/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R186

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

0 60 120 180
SCALE

50% plans

W. EASTON AVE.
N. 49TH W. AVE. RAMP D
N. C-D ROAD
S. C-D ROAD
N. 49TH W. AVE. RAMP C
KEYSTONE EXPRESSWAY
MATCH LINE (SEE SHEET TR1864)
70+00
75+00
4370+00
6370+00
4375+00
4380+00
5365+00
5850+00
3365+00
3370+00
3375+00
3800+00
STR. 312 0.70 ACRES
STR. 323 0.61 ACRES
STR. 324 1.41 ACRES
STR. 325 0.39 ACRES
STR. 326 0.42 ACRES
STR. 327 0.52 ACRES
EX-STR. 312 1.87 ACRES
STR. 315 1.31 ACRES
STR. 316 0.98 ACRES
STR. 317 1.10 ACRES
STR. 318 0.34 ACRES
STR. 319 0.79 ACRES
STR. 320 0.65 ACRES
STR. 321 0.65 ACRES
STR. 322 0.26 ACRES
STR. 314 4.24 ACRES
MH308
MH309
MH310
MH311
MH312
MH313
MH314
MH315
MH316
MH317
670
671
315
316
317
318
319
320
321
322
323
324
325
326
327
24.35'
ONG - 2" CS
SB - 2" GND

STORM SEWER

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

DRAINAGE AREA MAP
(SHEET 20 OF 20)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	JWJ	10/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	10/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R187

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED
R/W
10/30/2017

DRAINAGE STRUCTURE DESIGN RECORD

STR. NO.	ALIGNMENT	STATION	DESCRIPTION			CONTRIBUTING DRAINAGE AREA ID's	CONTRIBUTING DRAINAGE AREA ID's	DRAINAGE AREA	DRAINAGE AREA LENGTH		DRAINAGE AREA AVERAGE SLOPE		ANTICIPATED LAND USE	"C" RUNOFF COEFFICIENT	Tc TIME OF CONCENTRATION	INTENSITY OF DESIGN YEAR RAINFALL AND CHECK YEAR RAINFALL							DESIGN YEAR DISCHARGE AND CHECK YEAR DISCHARGE						F.L. INLET	F.L. OUTLET	ALLOWABLE HEADWATER	COMPUTED HEADWATER	DESIGN TAILWATER	STRUCTURE SLOPE	OUTLET VELOCITY	OUTLET TREATMENT	STR. NO.	REMARKS
									Overland	Channel	Overland	Channel				Inches Per Hour							Cubic Feet Per Second														
								Acre	L.F.	L.F.	%	%			Mn.	I2	I5	I10	I25	I50	I100	Q2	Q5	Q10	Q25	Q50	Q100	Elevation		Elevation		Feet	%	Ft./Sec.			
1	C.R.L. Gilcrease	107+31.00	CROSS DRAIN	(2) 6'x4'	RCB	1	D.A. 1	19.89	399.08	1238.23	7.44%	1.74%	Rural	0.90	16.09	3.50	4.50	5.12	6.01	6.78	**7.42**	62.61	80.56	91.59	118.27	134.85	**147.57**	754.15	743.24	757.15	757.08	0.95	1.96%	12.90	Rip Rap	1	
2	C.R.L. Gilcrease	133+79.00	CROSS DRAIN	8'x3'	RCB	2	D.A. 2	15.79	472.59	698.38	11.02%	3.18%	Rural	0.90	14.25	3.71	4.75	5.39	6.33	7.12	**7.79**	52.66	67.57	76.66	99.00	112.41	**123.02**	732.34	731.71	736.00	735.71	1.94	0.30%	7.91	Rip Rap	2	
3	C.R.L. Gilcrease	139+75.00	CROSS DRAIN	5'x2'	RCB	3	D.A. 3	8.52	500.00	1229.80	9.85%	2.41%	Rural	0.90	17.73	3.33	4.30	4.89	5.75	6.51	**7.12**	25.55	32.96	37.53	48.46	55.43	**60.66**	726.98	726.39	731.33	730.12	1.66	0.30%	7.31	Rip Rap	3	
4	C.R.L. Gilcrease	145+10.00	CROSS DRAIN	2-6'x3'	RCB	4	D.A. 4	54.54	500.00	2797.60	8.28%	1.81%	Rural	0.90	33.53	2.33	3.05	3.51	4.12	4.75	**5.20**	114.58	149.93	172.33	222.53	258.97	**283.40**	719.77	719.17	724.07	724.50	2.59	0.30%	9.13	Rip Rap	4	
5	C.R.L. Gilcrease	159+85.00	CROSS DRAIN	5'x2'	RCB	5	D.A. 5	14.91	500.00	1178.36	1.64%	1.55%	Rural	0.90	31.00	2.45	3.20	3.67	4.31	4.96	**5.42**	32.84	42.90	49.26	63.61	73.89	**80.86**	707.43	704.19	710.81	711.41	1.50	0.97%	10.78	Rip Rap	5	
6	C.R.L. Gilcrease	183+60.00	CROSS DRAIN	48"	RCP	6	D.A. 6	12.82	60.14	1142.82	14.97%	13.03%	Rural	0.90	10.00	4.31	5.49	6.19	7.27	8.07	**8.83**	49.76	63.34	71.43	92.24	103.48	**113.24**	704.69	687.44	710.12	708.79	2.19	2.67%	16.05	Rip Rap	6	
7	C.R.L. Gilcrease	194+10.00	CROSS DRAIN	42"	RCP	7	D.A. 7	7.78	429.69	568.14	23.62%	8.54%	Rural	0.90	14.27	3.70	4.75	5.39	6.33	7.12	**7.79**	25.93	33.27	37.75	48.75	55.36	**60.58**	707.86	695.70	712.75	711.97	1.30	4.15%	18.55	Rip Rap	7	
8	C.R.L. Gilcrease	272+35.00	CROSS DRAIN	(2) 6'x5'	RCB	8	D.A. 8	38.93	500.00	2557.13	6.80%	3.11%	Rural	0.90	27.67	2.62	3.41	3.91	4.59	5.26	**5.76**	91.68	119.47	136.96	176.86	204.88	**224.21**	638.52	631.24	642.52	642.32	1.20	2.27%	15.54	Rip Rap	8	
9	C.R.L. Gilcrease	279+00.00	CROSS DRAIN	8' X 4'	RCB	9	D.A. 9	6.79	216.71	566.65	5.49%	0.71%	Rural	0.90	17.12	3.39	4.37	4.97	5.84	6.61	**7.23**	20.73	26.71	30.40	39.26	44.85	**49.08**	645.63	644.06	647.50	647.37	1.02	0.50%	6.66	Rip Rap	9	
10	C.R.L. Gilcrease	287+60.00	CROSS DRAIN	24"	RCP	10	D.A. 10	4.74	194.44	337.86	3.49%	0.55%	Rural	0.90	22.51	2.94	3.81	4.36	5.12	5.83	**6.38**	12.54	16.26	18.59	24.00	27.65	**30.26**	640.23	631.63	647.23	645.24	2.28	1.85%	11.18	Rip Rap	10	
11	C.R.L. Gilcrease	308+51.00	CROSS DRAIN	8' X 4'	RCB	11	D.A. 11	19.14	1245.74	92.02	0.56%	0.02%	Rural	0.90	51.41	1.78	2.35	2.71	3.18	3.69	**4.04**	30.64	40.43	46.70	60.31	70.70	**77.38**	636.83	634.99	639.50	639.49	1.09	0.46%	7.79	Rip Rap	11	
12	C.R.L. Gilcrease	321+23.00	CROSS DRAIN	12' X 6'	RCB	12	D.A. 12	77.50	432.26	2270.70	0.69%	0.36%	Rural	0.90	65.37	1.51	2.01	2.32	2.73	3.17	**3.47**	105.52	139.87	161.93	209.10	245.78	**268.97**	631.88	631.19	636.88	636.38	2.50	0.20%	8.97	Rip Rap	12	
13	C.R.L. Gilcrease	360+48.00	CROSS DRAIN	5' X 2'	RCB	13	D.A. 13	8.20	70.62	1459.64	2.90%	1.00%	Rural	0.46	17.06	0.00	0.00	0.00	0.00	6.62	**7.24**	0.00	0.00	0.00	0.00	29.71	**33.87**	667.07	666.03	670.00	668.98	1.03	0.39%	5.80	N/A	13	
14	C.R.L. Gilcrease	363+24.00	CROSS DRAIN	5' X 2'	RCB	14	D.A. 14	3.60	180.77	1443.68	1.44%	0.69%	Rural	0.38	21.32	0.00	0.00	0.00	0.00	5.99	**6.55**	0.00	0.00	0.00	0.00	9.91	**11.30**	674.05	672.06	675.00	674.97	0.42	0.65%	4.68	N/A	14	
15	C.R.L. Gilcrease	366+83.00	CROSS DRAIN	6' X 5'	RCB	15	D.A. 15	18.87	25.91	1971.13	0.93%	0.97%	Rural	0.90	19.14	3.20	4.14	4.72	5.54	6.29	**6.88**	54.43	70.33	80.18	103.54	118.71	**129.91**	673.29	671.41	677.29	677.15	2.28	0.51%	9.57	Rip Rap	15	
16	51st Street Ramp A	1121+10.00	CROSS DRAIN	30"	RCP	16	D.A. 16	3.20	48.00	386.20	2.08%	8.31%	Rural	0.90	10.00	4.31	5.49	6.19	7.27	8.07	**8.83**	12.43	15.81	17.83	23.02	25.83	**28.27**	767.94	761.43	771.26	771.03	1.04	3.62%	14.62	Rip Rap	16	
17	51st Street Ramp C	3123+00.00	CROSS DRAIN	36"	RCP	17	D.A. 17	5.40	48.00	717.36	2.08%	6.29%	Rural	0.90	10.00	4.31	5.49	6.19	7.27	8.07	**8.83**	20.97	26.68	30.09	38.85	43.59	**47.70**	755.19	748.84	759.09	759.08	1.47	2.21%	13.89	Rip Rap	17	
18	51st Street Ramp D	4123+25.00	CROSS DRAIN	24"	RCP	18	D.A. 18	2.38	71.00	541.15	12.68%	2.03%	Rural	0.90	10.99	4.15	5.30	5.98	7.02	7.83	**8.56**	8.90	11.34	12.82	16.55	18.62	**20.38**	756.95	756.24	760.47	759.97	1.62	0.58%	7.48	Rip Rap	18	
19	41st Street Ramp C	3187+66.00	CROSS DRAIN	24"	RCP	19	D.A. 19	2.06	138.43	209.52	5.78%	2.39%	Rural	0.90	14.63	3.66	4.70	5.33	6.26	7.05	**7.71**	6.79	8.71	9.89	12.77	14.51	**15.88**	691.75	691.05	695.81	695.41	2.95	0.42%	5.05	N/A	19	
20	21st Street Ramp C	3267+00.00	CROSS DRAIN	48"	RCP	20	D.A. 20	7.14	261.25	765.89	4.49%	0.71%	Rural	0.90	20.38	3.10	4.01	4.58	5.38	6.11	**6.69**	19.93	25.79	29.43	38.00	43.65	**47.77**	642.47	638.73	646.94	645.77	1.17	4.67%	15.65	Rip Rap	20	
21	21st Street Ramp D	4285+35.00	CROSS DRAIN	24"	RCP	21	D.A. 21	0.77	41.21	234.23	2.60%	9.50%	Rural	0.90	10.61	4.21	5.37	6.06	7.11	7.92	**8.66**	2.92	3.72	4.20	5.42	6.10	**6.67**	662.82	659.15	681.66	664.16	2.28	1.99%	8.04	Rip Rap	21	
100	C.R.L. Gilcrease	222+81.41	SIDE DRAIN	(2) 6'x4'	RCB	100	D.A. 100	51.40	425.25	2938.25	18.46%	3.54%	Rural	0.35	25.15	2.76	3.59	4.11	4.83	5.53	**6.05**	49.41	64.25	73.56	94.99	118.55	**135.14**	675.96	675.03	678.96	678.72	1.98	1.86%	5.69	N/A	100	
101	C.R.L. Gilcrease	336+61.04	CROSS DRAIN	5' X 2'	RCB	101	D.A. 101	3.09	126.68	447.13	22.41%	2.14%	Rural	0.35	11.07	4.14	5.28	5.97	7.00	7.81	**8.54**	4.45	5.67	6.41	8.28	10.06	**11.47**	636.08	635.88	637.08	636.96	0.00	0.50%	4.54	N/A	101	
102	C.R.L. Gilcrease	337+58.25	CROSS DRAIN	(2) 5' X 2'	RCB	102	D.A. 102	3.19	141.44	461.37	20.93%	0.89%	Rural	0.46	14.41	3.69	4.73	5.37	6.30	7.09	**7.76**	5.41	6.94	7.87	10.17	12.47	**14.22**	635.85	635.65	636.85	636.34	3.38 ft	0.50%	0.62	N/A	102	
103	C.R.L. Gilcrease	337+52.00	CROSS DRAIN	5' X 5'	RCB	103	D.A. 103	26.97	231.19	1438.10	4.37%	0.82%	Rural	0.33	24.66	2.79	3.63	4.16	4.88	5.58	**6.11**	25.07	32.59	37.30	48.17	60.08	**68.49**	636.91	636.62	640.91	640.24	1.44	1.32%	9.52	Rip Rap	103	
104a	C.R.L. Gilcrease	338+40.00	CROSS DRAIN	12' X 5'	RCB	104a	D.A. 104a	55.69	250.72	1922.20	5.95%	0.70%	Rural	0.37	25.96	2.71	3.53	4.05	4.75	5.44	**5.95**	56.62	73.67	84.38	108.97	136.11	**155.16**	635.53	635.27	639.03	638.73	1.72	0.30%	7.53	Rip Rap	104a	
104b	C.R.L. Gilcrease	338+55.00	CROSS DRAIN	5' X 4'	RCB	104b	D.A. 104b	15.71	250.72	1845.64	5.95%	0.31%	Rural	0.42	32.27	2.39	3.12	3.59	4.21	4.85	**5.31**	15.82	20.69	23.77	30.69	38.54	**43.93**	636.99	636.69	639.99	639.79	1.32	0.64%	8.01	Rip Rap	104b	
516	41st Street Ramp B	2168+90.00	CROSS DRAIN	43" X 26"	Arch	516	D.A. 516	3.57	47.00	1173.00	2.13%	1.55%	Rural	0.90	10.14	4.29	5.46	6.16	7.23	8.03	**8.79**	13.77	17.53	19.77	25.53	28.66	**31.36**	697.98	697.83	N/A	700.53	0.00	0.15%	6.86	Rip Rap	516	
526	57th Ave. at 41st Street	70+00	CROSS DRAIN	(2) 8'x4'	RCB	526	D.A. 526	24.50	60.14	1786.75	14.97%	9.29%	Rural	0.45	12.31	3.96	5.06	5.73	6.72	7.52	**8.23**	44.08	56.36	63.79	82.37	100.51	**114.58**	687.33	687.07	693.53	692.85	5.69	0.30%	1.79	N/A	526	
532	53 RD_CL	100+45.00	CROSS DRAIN	(2) 10' X4'	RCB	532	D.A. 532	62.99	318.00	2538.00	11.01%	3.08%	Rural	0.90	23.08	2.90	3.76	4.30	5.05	5.76	**6.31**	164.35	213.29	243.87	314.92	363.05	**397.30**	711.90	709.23	-1.00	719.31	1.37	1.87%	15.24	Rip Rap	532	
650	2nd Street Drive	09+56.10	CROSS DRAIN	24"	RCP	650	D.A. 650	1.92	231.00	290.00	4.57%	0.76%	Rural	0.90	18.74	3.24	4.18	4.77	5.60	6.35	**6.95**	5.60	7.23	8.24	10.64	12.19	**13.34**	643.49	643.34	-1.00	646.10	0.00	0.50%	6.95	Rip Rap	650	
651	2nd Street_Realign	59+00.00	CROSS DRAIN	30"	RCP	651	D.A. 651	2.02	13.00	290.00	1.23%	2.55%	Rural	0.90	10.00	4.31	5.49	6.19	7.27	8.07	**8.83**	7.84	9.98	11.26	14.53	16.30	**17.84**	641.04	640.37	-1.00	644.89	0.00	0.77%	644.89	Rip Rap	651	
701	Trail South	124+50.38	CROSS DRAIN	(2)28"x18"	Arch	701	D.A. 701	4.41	70.00	1390.98	11.43%	0.97%	Rural	0.51	14.60	3.66	4.70	5.34	6.27	7.05	**7.72**	8.17	10.49	11.90	15.37	18.87	**21.51**	669.54	669.44	671.97	671.49	1.64	0.50%	3.85	N/A	701	

10% plans

CULVERT STRUCTURE

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

DRAINAGE DESIGN RECORD
(SHEET 1 OF 4)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	JWJ	10/17	CONTRACT NO. GCT-2500
DETAILED	BWH	10/17	
CHECKED	NAB	10/17	DATE: 10/30/2017 SHEET NO. R188

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED
R/W
10/30/2017

STORM SEWER DRAINAGE DESIGN RECORD

DRAINAGE AREA NO.	AREA A (ACRES)	INTENSITY I_{100} (IN/HR)	RUNOFF COEFF. C	Wright-McLaughlin Factor WM	FACTORED RUNOFF COEFF. "C_f"	DESIGN YEAR RUNOFF Q100 (CFS)	COLLECTING STR. NO. *EXISTING* PROPOSED	TOTAL FLOWPATH LENGTH (LF)	OVERLAND FLOW FLOWPATH LENGTH (LF)	OVERLAND FLOW AVG SLOPE (%)	OVERLAND FLOW VELOCITY (FPS)	OVERLAND FLOW T_i (Min.)	SHALLOW CHANNELIZED FLOW FLOWPATH LENGTH (LF)	SHALLOW CHANNELIZED FLOW AVG SLOPE (%)	SHALLOW CHANNELIZED FLOW VELOCITY (FPS)	SHALLOW CHANNELIZED FLOW T_t (MIN.)	TOTAL TIME OF CONCENTRATION $T_c=T_i+T_t$ (MIN.)
200	0.32	8.83	0.90	1.00	1.00	2.78	**200**	1418	500.0	0.684	1.3	6.4	918	7.0	4.3	3.6	10.0
201	0.19	8.83	0.90	1.00	1.00	1.68	**201**	1418	500.0	0.684	1.3	6.4	918	6.9	4.2	3.6	10.0
202	0.19	8.83	0.90	1.00	1.00	1.68	**202**	1418	500.0	0.684	1.3	6.4	918	6.8	4.2	3.6	10.0
203	2.35	8.83	0.90	1.00	1.00	20.75	**203**	1418	500.0	0.684	1.3	6.4	918	6.7	4.2	3.6	10.0
204	0.30	8.80	0.90	1.00	1.00	2.63	**204**	1418	500.0	0.684	1.3	6.4	918	6.6	4.1	3.7	10.1
205	0.56	8.80	0.90	1.00	1.00	4.91	**205**	1418	500.0	0.684	1.3	6.4	918	6.5	4.1	3.7	10.1
206	1.25	8.80	0.90	1.00	1.00	10.98	**205**	1418	500.0	0.684	1.3	6.4	918	6.4	4.1	3.7	10.1
207	1.01	8.78	0.90	1.00	1.00	8.88	**207**	1418	500.0	0.684	1.3	6.4	918	6.3	4.0	3.8	10.2
208	1.12	8.78	0.90	1.00	1.00	9.80	**208**	1418	500.0	0.684	1.3	6.4	918	6.1	4.0	3.8	10.2
209	0.64	8.78	0.90	1.00	1.00	5.63	**209**	1418	500.0	0.684	1.3	6.4	918	6.0	4.0	3.8	10.2
210	0.31	8.75	0.90	1.00	1.00	2.72	**210**	1418	500.0	0.684	1.3	6.4	918	5.9	3.9	3.9	10.3
211	0.34	8.75	0.90	1.00	1.00	3.01	**211**	1418	500.0	0.684	1.3	6.4	918	5.8	3.9	3.9	10.3
212	0.33	8.75	0.90	1.00	1.00	2.88	**212**	1418	500.0	0.684	1.3	6.4	918	5.7	3.9	3.9	10.3
213	0.23	8.72	0.90	1.00	1.00	1.97	**213**	1418	500.0	0.684	1.3	6.4	918	5.6	3.8	4.0	10.4
214	0.20	8.72	0.90	1.00	1.00	1.78	**214**	1418	500.0	0.684	1.3	6.4	918	5.5	3.8	4.0	10.4
215	0.19	8.69	0.90	1.00	1.00	1.67	**215**	1418	500.0	0.684	1.3	6.4	918	5.4	3.7	4.1	10.5
216	0.19	8.69	0.90	1.00	1.00	1.65	**216**	1418	500.0	0.684	1.3	6.4	918	5.3	3.7	4.1	10.5
217	0.19	8.69	0.90	1.00	1.00	1.65	**217**	1418	500.0	0.684	1.3	6.4	918	5.2	3.7	4.1	10.5
218	0.19	8.64	0.90	1.00	1.00	1.68	**218**	1418	500.0	0.684	1.3	6.4	918	5.1	3.6	4.3	10.7
219	0.72	8.64	0.90	1.00	1.00	6.18	**219**	1418	500.0	0.684	1.3	6.4	918	4.9	3.6	4.3	10.7
220	0.58	8.61	0.90	1.00	1.00	4.98	**220**	1418	500.0	0.684	1.3	6.4	918	4.8	3.5	4.4	10.8
221	1.35	8.61	0.90	1.00	1.00	11.62	**221**	1418	500.0	0.684	1.3	6.4	918	4.7	3.5	4.4	10.8
222	0.53	8.61	0.90	1.00	1.00	4.56	**222**	1418	500.0	0.684	1.3	6.4	918	4.6	3.5	4.4	10.8
223	0.87	8.59	0.90	1.00	1.00	7.49	**223**	1418	500.0	0.684	1.3	6.4	918	4.5	3.4	4.5	10.9
224	0.80	8.59	0.90	1.00	1.00	6.91	**224**	1418	500.0	0.684	1.3	6.4	918	4.4	3.4	4.5	10.9
225	0.59	8.56	0.90	1.00	1.00	5.02	**225**	1418	500.0	0.684	1.3	6.4	918	4.3	3.3	4.6	11.0
226	0.75	8.56	0.90	1.00	1.00	6.39	**225**	1418	500.0	0.684	1.3	6.4	918	4.2	3.3	4.6	11.0
227	0.45	8.56	0.90	1.00	1.00	3.85	**227**	1418	500.0	0.684	1.3	6.4	918	4.1	3.3	4.6	11.0
228	0.94	8.51	0.90	1.00	1.00	7.97	**228**	1418	500.0	0.684	1.3	6.4	918	4.0	3.2	4.8	11.2
229	2.66	8.51	0.90	1.00	1.00	22.62	**229**	1418	500.0	0.684	1.3	6.4	918	3.9	3.2	4.8	11.2
230	0.69	8.48	0.90	1.00	1.00	5.84	**230**	1418	500.0	0.684	1.3	6.4	918	3.7	3.1	4.9	11.3
231	0.89	8.48	0.90	1.00	1.00	7.52	**231**	1418	500.0	0.684	1.3	6.4	918	3.6	3.1	4.9	11.3
232	0.69	8.43	0.90	1.00	1.00	5.78	**232**	1418	500.0	0.684	1.3	6.4	918	3.5	3.0	5.1	11.5
233	0.52	8.43	0.90	1.00	1.00	4.38	**233**	1418	500.0	0.684	1.3	6.4	918	3.4	3.0	5.1	11.5
234	0.58	8.38	0.90	1.00	1.00	4.90	**234**	1418	500.0	0.684	1.3	6.4	918	3.3	2.9	5.3	11.7
235	0.71	8.38	0.90	1.00	1.00	5.99	**235**	1418	500.0	0.684	1.3	6.4	918	3.2	2.9	5.3	11.7
236	0.74	8.33	0.90	1.00	1.00	6.20	**236**	1418	500.0	0.684	1.3	6.4	918	3.1	2.8	5.5	11.9
237	0.80	8.33	0.90	1.00	1.00	6.70	**237**	1418	500.0	0.684	1.3	6.4	918	3.0	2.8	5.5	11.9
238	14.51	8.28	0.90	1.00	1.00	120.17	**238**	1418	500.0	0.684	1.3	6.4	918	2.9	2.7	5.7	12.1
239	0.67	8.28	0.90	1.00	1.00	5.58	**239**	1418	500.0	0.684	1.3	6.4	918	2.8	2.7	5.7	12.1
240	0.81	8.23	0.90	1.00	1.00	6.67	**240**	1418	500.0	0.684	1.3	6.4	918	2.7	2.6	5.9	12.3
241	0.09	8.23	0.90	1.00	1.00	0.72	**241**	1418	500.0	0.684	1.3	6.4	918	2.5	2.6	5.9	12.3
242	0.34	8.18	0.90	1.00	1.00	2.82	**242**	1418	500.0	0.684	1.3	6.4	918	2.4	2.5	6.1	12.5
243	0.78	8.18	0.90	1.00	1.00	6.38	**243**	1418	500.0	0.684	1.3	6.4	918	2.3	2.5	6.1	12.5
244	0.91	8.11	0.90	1.00	1.00	7.42	**244**	1418	500.0	0.684	1.3	6.4	918	2.2	2.4	6.4	12.8
245	0.77	8.04	0.90	1.00	1.00	6.19	**245**	1418	500.0	0.684	1.3	6.4	918	2.1	2.3	6.7	13.1
246	0.85	8.04	0.90	1.00	1.00	6.80	**246**	1418	500.0	0.684	1.3	6.4	918	2.0	2.3	6.7	13.1
247	0.75	7.98	0.90	1.00	1.00	6.02	**247**	1418	500.0	0.684	1.3	6.4	918	1.9	2.2	7.0	13.4
248	0.55	7.98	0.90	1.00	1.00	4.39	**248**	1418	500.0	0.684	1.3	6.4	918	1.8	2.2	7.0	13.4
249	0.78	7.91	0.90	1.00	1.00	6.13	**249**	1418	500.0	0.684	1.3	6.4	918	1.7	2.1	7.3	13.7
250	0.30	7.82	0.90	1.00	1.00	2.32	**250**	1418	500.0	0.684	1.3	6.4	918	1.6	2.0	7.7	14.1
251	0.66	7.74	0.90	1.00	1.00	5.13	**251**	1418	500.0	0.684	1.3	6.4	918	1.5	1.9	8.1	14.5
252	0.02	7.74	0.90	1.00	1.00	0.18	**252**	1418	500.0	0.684	1.3	6.4	918	1.4	1.9	8.1	14.5
253	0.24	7.65	0.90	1.00	1.00	1.85	**253**	1418	500.0	0.684	1.3	6.4	918	1.2	1.8	8.5	14.9
254	3.21	7.55	0.90	1.00	1.00	24.22	**254**	1418	500.0	0.684	1.3	6.4	918	1.1	1.7	9.0	15.4
255	0.26	7.44	0.90	1.00	1.00	1.97	**255**	1418	500.0	0.684	1.3	6.4	918	1.0	1.6	9.6	16.0
256	1.18	7.32	0.90	1.00	1.00	8.62	**256**	1418	500.0	0.684	1.3	6.4	918	0.9	1.5	10.2	16.6
257	0.38	7.20	0.90	1.00	1.00	2.77	**257**	1418	500.0	0.684	1.3	6.4	918	0.8	1.4	10.9	17.3
301	2.58	7.04	0.90	1.00	1.00	18.14	**301**	1418	500.0	0.684	1.3	6.4	918	0.7	1.3	11.8	18.2
302	2.13	11.29	0.90	1.00	1.00	24.00	**302**	597	500.0	3.028	2.8	3.0	97	6.9	4.2	0.4	3.4
303	0.51	12.50	0.90	1.00	1.00	6.37	**303**	360	213.0	9.559	5.0	0.7	147	5.5	4.8	0.5	1.2
304	1.82	9.75	0.90	1.00	1.00	17.74	**304**	633	92.0	27.28	8.4	0.2	541	0.6	1.3	6.9	7.1
305	2.57	10.43	0.90	1.00	1.00	26.79	**305**	991	500.0	2.888	2.7	3.1	491	5.5	3.8	2.2	5.3
306	9.06	9.89	0.90	1.00	1.00	89.65	**306**	1322	500.0	3.123	2.9	2.9	822	5.1	3.6	3.8	6.7
307	12.90	5.39	0.90	1.00	1.00	69.47	**307**	2686	71.0	2.915	3.5	0.3	2615	0.8	1.4	31.1	31.4
308	2.29	11.14	0.90	1.00	1.00	25.54	**308**	932	205.0	95.79	19.9	0.2	727	4.6	3.5	3.5	3.7
309	10.14	5.38	0.90	1.00	1.00	54.52	**309**	2874	180.8	1.444	1.9	1.6	2693	0.8	1.5	29.9	31.5
310	1.08	11.00	0.90	1.00	1.00	11.85	**310**	345	66.0	12.53	2.5	0.4	279	0.6	1.3	3.6	4.0
311	0.67	11.44	0.90	1.00	1.00	7.65	**311**	370	73.0	4.616	4.4	0.3	297	1.2	1.8	2.8	3.1
312	0.70	11.10	0.90	1.00	1.00	7.73	**312**	390	37.0	17.57	8.5	0.1	353	1.0	1.6	3.7	3.8
313	2.88	9.54	1.90	1.00	1.00	27.48	**313**	949	43.0	10.95	5.3	0.1	906	1.6	2.0	7.6	7.7
314	4.24	9.75	0.90	1.00	1.00	41.35	**314**	1019	114.0	3.158	3.6	0.5	905	2.1	2.3	6.6	7.1
315	1.31	10.96	0.90	1.00	1.00	14.37	**315**	352	57.0	3.281	2.9	0.3	295	0.6	1.3	3.8	4.1
316	0.98	12.56	0.90	1.00	1.00	12.32	**316**	276	240.0	3.621	3.9	1.0	36	12.7	5.8	0.1	1.1
317	1.10	11.70	0.90	1.00	1.00	12.86	**317**	354	108.0	18.51	6.9	0.3	246	1.2	1.8	2.3	2.6
318	0.34	11.34	2.90	1.00	1.00	3.82	**318**	400	364.0	1.481	2.0	3.0	36	1.0	2.0	0.3	3.3
319	0.79	11.59	2.90	1.00	1.00	9.14	**319**	390	303.0	1.894	2.2	2.3	87	1.7	2.7	0.5	2.8
320	0.65	12.14	2.90	1.00	1.00	7.94	**320**	305	213.0	3.296	2.9	1.2	92	1.6	2.6	0.6	1.8
321	0.65	12.62	0.90	1.00	1.00	8.25	**321**	211	123.0	8.455	4.7	0.4	88	1.3	2.3	0.6	1.0
322	0.26	12.08	3.90	1.00	1.00	3.16	**322**	360	162.0	11.75	5.5	0.5	198	1.3	2.4	1.4	1.9

50% plans

STORM SEWER

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

DRAINAGE DESIGN RECORD
(SHEET 2 OF 4)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	JWJ	10/17	CONTRACT NO. GCT-2500
DETAILED	BWH	10/17	
CHECKED	NAB	10/17	DATE: 10/30/2017 — SHEET NO. R189

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED
R/W
10/30/2017

STORM SEWER DRAINAGE DESIGN RECORD

DRAINAGE AREA NO.	AREA A (ACRES)	INTENSITY I_{100} (IN/HR)	RUNOFF COEFF. C	Wright-McLaughlin Factor WM	FACTORED RUNOFF COEFF. "C_f"	DESIGN YEAR RUNOFF Q100 (CFS)	COLLECTING STR. NO. *EXISTING* PROPOSED	TOTAL FLOWPATH LENGTH (LF)	OVERLAND FLOW: FLOWPATH LENGTH (LF)	AVG SLOPE (%)	VELOCITY (FPS)	T_i (Min.)	SHALLOW CHANNELIZED FLOW: FLOWPATH LENGTH (LF)	AVG SLOPE (%)	VELOCITY (FPS)	T_t (MIN.)	TOTAL TIME OF CONCENTRATION $T_c=T_i+T_t$ (MIN.)
323	0.61	11.05	0.90	1.00	1.00	6.72	**323**	402	66.0	9.818	5.1	0.2	336	0.8	1.5	3.7	3.9
324	1.41	11.70	0.90	1.00	1.00	16.53	**324**	412	51.0	9.176	6.2	0.1	361	2.2	2.4	2.5	2.6
325	0.39	12.95	3.90	1.00	1.00	5.00	**325**	152	67.0	30.37	8.9	0.1	85	2.6	3.3	0.4	0.5
326	0.42	12.75	0.90	1.00	1.00	5.29	**326**	156	73.0	30.51	8.9	0.1	83	1.6	2.1	0.7	0.8
327	0.52	12.75	4.90	1.00	1.00	6.64	**327**	174	70.0	25.16	8.1	0.1	104	1.7	2.6	0.7	0.8
EX301	1.71	10.31	0.90	1.00	1.00	17.65	**EX301**	613	269.0	1.071	1.7	2.6	344	1.3	1.9	3.0	5.6
EX302	0.15	12.75	2.90	1.00	1.00	1.93	**EX302**	197	49.0	2.041	2.9	0.3	148	5.8	4.9	0.5	0.8
EX303	0.13	12.75	2.90	1.00	1.00	1.67	**EX303**	199	33.0	3.03	3.5	0.2	166	4.9	4.5	0.6	0.8
EX304	2.39	6.51	2.90	1.00	1.00	15.58	**EX304**	1190	32.0	2.344	2.5	0.2	1158	0.3	0.9	21.4	21.6
EX305	0.42	10.91	0.90	1.00	1.00	4.58	**EX305**	556	389.0	1.044	2.1	3.1	167	1.5	2.5	1.1	4.2
EX306	1.29	11.44	3.90	1.00	1.00	14.70	**EX306**	550	385.0	4.935	3.6	1.8	165	1.7	2.1	1.3	3.1
EX307	0.96	9.97	0.90	1.00	1.00	9.59	**EX307**	364	346.0	0.315	0.9	6.4	18	7.3	4.4	0.1	6.5
EX308	0.17	12.88	0.90	1.00	1.00	2.21	**EX308**	119	79.0	3.278	3.7	0.4	40	3.5	3.8	0.2	0.6
EX309	0.25	12.82	2.90	1.00	1.00	3.17	**EX309**	214	85.0	8.506	5.9	0.2	129	5.4	4.7	0.5	0.7
EX310	2.27	7.07	2.90	1.00	1.00	16.03	**EX310**	1139	91.0	3.088	2.8	0.5	1048	0.3	1.0	17.5	18.0
EX311	2.26	7.61	2.90	1.00	1.00	17.21	**EX311**	1310	75.0	3.24	2.9	0.4	1235	0.8	1.4	14.7	15.1
EX312	1.87	7.34	0.90	1.00	1.00	13.73	**EX312**	1332	49.0	0.163	0.7	1.2	1283	0.7	1.4	15.3	16.5
400	0.11	12.62	0.90	1.00	1.00	1.34	**400**	258	53.0	8.264	5.8	0.2	205	4.4	4.3	0.8	1.0
401	0.16	12.62	0.90	1.00	1.00	2.08	**401**	351	81.0	7.852	5.7	0.2	270	8.3	5.8	0.8	1.0
402	0.06	12.88	0.90	1.00	1.00	0.71	**402**	211	111.0	8.505	5.9	0.3	100	8.1	5.8	0.3	0.6
403	0.24	12.69	0.90	1.00	1.00	3.07	**403**	287	122.0	7.541	5.6	0.4	165	8.2	5.8	0.5	0.9
404	0.22	12.08	0.90	1.00	1.00	2.60	**404**	360	132.0	7.492	1.9	1.2	228	6.4	5.1	0.7	1.9
405	0.20	12.82	0.90	1.00	1.00	2.56	**405**	229	94.0	5.766	4.9	0.3	135	7.1	5.4	0.4	0.7
406	0.31	11.49	0.90	1.00	1.00	3.52	**406**	402	126.0	2.437	1.1	1.9	276	4.4	4.3	1.1	3.0
407	0.21	12.62	0.90	1.00	1.00	2.62	**407**	204	34.0	2.676	3.3	0.2	170	3.2	3.6	0.8	1.0
408	0.34	12.14	0.90	1.00	1.00	4.18	**408**	345	51.0	6.843	5.3	0.2	294	2.3	3.1	1.6	1.8
409	0.28	11.80	0.90	1.00	1.00	3.31	**409**	333	33.0	2	2.9	0.2	300	1.3	2.3	2.2	2.4
410	0.31	11.80	0.90	1.00	1.00	3.61	**410**	333	33.0	2	2.9	0.2	300	1.3	2.3	2.2	2.4
411	0.50	11.75	0.90	1.00	1.00	5.85	**411**	581	51.0	3.078	3.6	0.2	530	3.6	3.9	2.3	2.5
412	0.40	11.97	0.90	1.00	1.00	4.78	**412**	486	57.0	3.421	3.8	0.3	429	3.8	4.0	1.8	2.1
413	0.21	12.56	0.90	1.00	1.00	2.67	**413**	298	91.0	4.747	4.4	0.3	207	4.4	4.3	0.8	1.1
414	0.26	12.32	0.90	1.00	1.00	3.23	**414**	403	81.0	4.938	4.5	0.3	322	4.4	4.3	1.2	1.5
415	0.27	12.03	0.90	1.00	1.00	3.28	**415**	442	71.0	4.944	4.5	0.3	371	3.3	3.7	1.7	2.0
416	0.22	12.14	0.90	1.00	1.00	2.68	**416**	412	42.0	4.881	4.5	0.2	370	3.4	3.8	1.6	1.8
417	0.72	11.86	0.90	1.00	1.00	8.51	**417**	378	14.0	5.929	4.7	0.1	364	2.8	2.7	2.2	2.3
418	2.41	10.00	0.90	1.00	1.00	24.07	**418**	616	402.0	3.751	1.4	4.8	214	1.8	2.2	1.6	6.4
419	0.64	11.75	0.90	1.00	1.00	7.55	**419**	338	82.0	5.183	1.6	0.9	256	2.8	2.7	1.6	2.5
420	0.84	9.78	0.90	1.00	1.00	8.19	**420**	639	461.0	3.39	1.3	5.9	178	2.5	2.6	1.1	7.0
421	0.16	12.08	0.90	1.00	1.00	1.88	**421**	129	102.0	4.549	1.5	1.1	27	0.1	0.6	0.8	1.9
450	0.64	11.86	0.90	1.00	1.00	7.62	**450**	441	81.0	4.938	4.5	0.3	360	2.2	3.0	2.0	2.3
451	0.14	12.03	0.90	1.00	1.00	1.73	**451**	323	107.0	4.458	4.3	0.4	216	1.3	2.3	1.6	2.0
452	1.92	11.05	0.90	1.00	1.00	21.19	**452**	460	227.0	4.784	1.5	2.5	233	1.8	2.8	1.4	3.9
453	0.67	11.64	0.90	1.00	1.00	7.81	**453**	259	151.0	3.887	1.4	1.8	108	1.5	2.0	0.9	2.7
454	0.25	11.54	0.90	1.00	1.00	2.93	**454**	325	27.0	2.481	3.2	0.1	298	0.8	1.8	2.8	2.9
455	0.23	11.86	0.90	1.00	1.00	2.67	**455**	361	26.0	2.5	3.2	0.1	335	1.5	2.5	2.2	2.3
456	0.28	11.64	0.90	1.00	1.00	3.31	**456**	427	79.0	22.16	3.3	0.4	348	1.5	2.5	2.3	2.7
457	0.93	11.70	0.90	1.00	1.00	10.90	**457**	496	313.0	7.498	5.6	0.9	183	0.8	1.8	1.7	2.6
458	0.42	12.03	0.90	1.00	1.00	5.11	**458**	257	213.0	8.995	2.1	1.7	44	1.5	2.5	0.3	2.0
459	0.38	11.97	0.90	1.00	1.00	4.60	**459**	267	196.0	8.413	2.1	1.6	71	1.5	2.5	0.5	2.1
460	0.17	12.20	0.90	1.00	1.00	2.12	**460**	157	48.0	20.52	3.2	0.3	109	0.4	1.3	1.4	1.7
461	0.42	11.49	0.90	1.00	1.00	4.80	**461**	386	364.0	8.19	2.0	3.0	22	0.0	0.0	0.0	3.0
462	0.39	11.80	0.90	1.00	1.00	4.65	**462**	317	311.0	9.64	2.2	2.4	6	3.8	3.2	0.0	2.4
1400_EX1	5.72	8.66	0.77	1.00	0.92	45.49	**1400_EX1**	2132	48.0	2.083	2.9	0.3	2084	5.2	4.6	7.6	7.9
1400_EX2	1.87	8.66	0.90	1.00	1.00	16.18	**1400_EX1**	2156	46.0	2.174	3.0	0.3	2110	5.2	4.6	7.6	7.9
1400_EX3	12.02	8.07	0.73	1.00	0.87	84.46	**1400_EX2**	2162	407.0	3.686	1.4	4.8	1755	7.7	5.6	5.2	10.0
1400_EX4	1.01	10.79	0.75	1.00	0.90	9.81	**1400_EX3**	442	37.0	3.243	3.7	0.2	405	2.3	3.1	2.2	2.4
1400_EX5	1.28	9.89	0.86	1.00	1.00	12.69	**1400_EX4**	724	366.0	1.913	2.8	2.2	358	1.8	2.7	2.2	4.4
1400_EX6	0.94	10.41	0.73	1.00	0.88	8.56	**1400_EX5**	482	32.0	1.563	0.9	0.6	450	2.0	2.9	2.6	3.2
1400_EX7	0.14	11.42	0.90	1.00	1.00	1.61	**1400_EX6**	114	29.0	2.034	2.9	0.2	85	0.4	1.4	1.0	1.2
500	0.40	10.69	0.79	1.00	0.99	4.19	**462**	236	72.0	1.111	0.7	1.7	164	2.0	2.9	0.9	2.6
501	0.23	10.45	0.76	1.00	0.96	2.31	**500**	150	126.0	1.103	0.7	3.0	24	2.3	3.1	0.1	3.1
502	0.21	10.59	0.72	1.00	0.90	2.02	**501**	140	133.0	1.211	0.8	2.8	7	2.1	3.0	0.0	2.8
503	0.77	10.45	0.90	1.00	1.00	8.03	**502**	195	104.0	1.433	0.8	2.2	91	0.7	1.7	0.9	3.1
504	0.40	9.53	0.90	1.00	1.00	3.78	**503**	437	37.0	1.973	2.9	0.2	400	0.4	1.3	5.1	5.3
505	0.31	10.27	0.90	1.00	1.00	3.22	**504**	280	52.0	2	2.9	0.3	228	0.4	1.2	3.2	3.5
506	0.49	11.39	0.90	1.00	1.00	5.60	**505**	328	48.0	1.854	2.8	0.3	280	0.6	1.6	2.9	3.2
507	0.64	11.44	0.90	1.00	1.00	7.34	**506**	333	43.0	1.465	2.5	0.3	290	0.7	1.7	2.8	3.1
508	0.15	12.50	0.90	1.00	1.00	1.87	**507**	189	46.0	2.717	3.4	0.2	143	1.3	2.4	1.0	1.2
509	0.29	12.38	0.90	1.00	1.00	3.61	**508**	244	45.0	2.667	3.3	0.2	199	1.7	2.7	1.2	1.4
510	0.17	12.32	0.90	1.00	1.00	2.09	**509**	273	24.0	2.667	3.3	0.1	249	2.0	2.9	1.4	1.5
511	0.50	11.39	0.90	1.00	1.00	5.69	**510**	331	135.0	2.23	1.1	2.0	196	1.9	2.8	1.2	3.2
512	0.12	12.26	0.90	1.00	1.00	1.42	**511**	275	20.0	2.9	3.5	0.1	255	1.9	2.8	1.5	1.6
513	0.27	12.08	0.90	1.00	1.00	3.22	**512**	289	23.0	4.348	1.5	0.3	266	1.9	2.8	1.6	1.9
514	1.59	10.16	0.90	1.00	1.00	16.14	**513**	665	73.0	10.85	6.7	0.2	592	1.1	1.7	5.8	6.0
515	2.40	10.48	0.90	1.00	1.00	25.17	**514**	764	39.0	2	2.9	0.2	725	2.2	2.4	5.0	5.2
516	3.57	8.67	0.90	1.00	1.00	30.91	**515**	1220	47.0	2.128	3.0	0.3	1173	1.4	1.9	10.3	10.6
517	16.88	5.98	0.90	1.00	1.00	100.96	**516**	3637	500.0	2	1.0	8.3	3137	3.6	3.0	17.4	25.7
520	0.90	10.31	0.90	1.00	1.00	9.28	**517**	512	16.0	3.125	3.6	0.1	496	0.5	1.5	5.5	5.6
521	0.56	10.27	0.90	1.00	1.00	5.76	**520**	516	16.0	3.125	3.6	0.1	500	0.5	1.5	5.6	5.7
522	0.25	11.59	0.90	1.00	1.00	2.95	**521**	374	16.0	3.125	3.6	0.1	358	1.2	2.2	2.7	2.8

50% plans

STORM SEWER

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

DRAINGE DESIGN RECORD
(SHEET 3 OF 4)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	JWJ	10/17	CONTRACT NO. GCT-2500
DETAILED	BWH	10/17	
CHECKED	NAB	10/17	DATE: 10/30/2017 SHEET NO. R190

STORM SEWER DRAINAGE DESIGN RECORD

DRAINAGE AREA NO.	AREA A (ACRES)	INTENSITY I_{100} (IN/HR)	RUNOFF COEFF. C	Wright-McLaughlin Factor WM	FACTORED RUNOFF COEFF. "C_f"	DESIGN YEAR RUNOFF Q100 (CFS)	COLLECTING STR. NO. *EXISTING* PROPOSED	TOTAL FLOWPATH LENGTH (LF)	OVERLAND FLOW FLOWPATH LENGTH (LF)	OVERLAND FLOW AVG SLOPE (%)	OVERLAND FLOW VELOCITY (FPS)	OVERLAND FLOW T_i (Min.)	SHALLOW CHANNELIZED FLOW FLOWPATH LENGTH (LF)	SHALLOW CHANNELIZED FLOW AVG SLOPE (%)	SHALLOW CHANNELIZED FLOW VELOCITY (FPS)	SHALLOW CHANNELIZED FLOW T_t (MIN.)	TOTAL TIME OF CONCENTRATION $T_c=T_i+T_t$ (MIN.)
523	0.18	11.54	0.90	1.00	1.00	2.08	**522**	383	16.0	3.125	3.6	0.1	367	1.2	2.2	2.8	2.9
524	0.85	10.73	0.90	1.00	1.00	9.08	**523**	501	18.0	3.833	4.0	0.1	483	0.8	1.8	4.5	4.6
525	0.26	10.91	0.90	1.00	1.00	2.85	**524**	489	18.0	3.611	3.9	0.1	471	0.8	1.9	4.1	4.2
530	0.30	11.29	0.90	1.00	1.00	3.42	**525**	488	60.0	4.3	4.2	0.2	428	1.2	2.2	3.2	3.4
531	0.31	11.19	0.90	1.00	1.00	3.48	**530**	497	47.0	5.085	4.6	0.2	450	1.2	2.2	3.4	3.6
600EX_0	1.88	10.04	0.90	1.00	1.00	18.83	**531**	553	384.0	4.018	1.4	4.6	169	1.1	1.7	1.7	6.3
600EX_1	0.44	10.60	0.90	1.00	1.00	4.68	**600EX_0**	600	22.0	2	2.9	0.1	578	1.0	2.0	4.8	4.9
600EX_2	0.96	10.96	0.90	1.00	1.00	10.54	**600EX_1**	633	500.0	13.1	2.6	3.2	133	2.4	2.5	0.9	4.1
600EX_3	0.40	11.00	0.90	1.00	1.00	4.43	**600EX_2**	543	495.0	12.41	2.5	3.3	48	0.3	1.1	0.7	4.0
600EX_4	0.45	11.29	0.90	1.00	1.00	5.07	**600EX_3**	493	480.0	12.77	2.5	3.2	13	0.3	1.1	0.2	3.4
600EX_5	0.33	12.32	0.90	1.00	1.00	4.03	**600EX_4**	300	132.0	10.61	2.3	1.0	168	7.9	5.7	0.5	1.5
600EX_6	5.50	10.60	0.90	1.00	1.00	58.26	**600EX_5**	1120	500.0	18.8	3.1	2.7	620	8.2	4.6	2.2	4.9
601	0.33	11.64	0.90	1.00	1.00	3.86	**531**	424	33.0	1.879	2.8	0.2	391	1.7	2.6	2.5	2.7
602	0.33	11.75	0.90	1.00	1.00	3.86	**601**	407	35.0	1.514	2.5	0.2	372	1.8	2.7	2.3	2.5
603	0.15	12.50	0.90	1.00	1.00	1.90	**602**	98	58.0	2.759	1.2	0.8	40	1.3	1.8	0.4	1.2
604	0.19	12.14	0.90	1.00	1.00	2.27	**603**	139	128.0	3.227	1.3	1.6	11	0.5	1.1	0.2	1.8
605	0.33	10.69	0.90	1.00	1.00	3.54	**604**	300	25.0	2.36	3.1	0.1	275	0.2	1.0	4.6	4.7
606	0.06	12.62	0.90	1.00	1.00	0.73	**605**	92	83.0	4.639	1.5	0.9	9	0.6	1.2	0.1	1.0
607	2.30	10.73	0.90	1.00	1.00	24.63	**606**	763	500.0	12.8	2.5	3.3	263	2.6	3.3	1.3	4.6
608	0.11	12.82	0.90	1.00	1.00	1.39	**607**	90	82.0	11.32	2.4	0.6	8	0.6	1.6	0.1	0.7
609	0.71	11.54	0.90	1.00	1.00	8.19	**608**	376	322.0	11.58	2.4	2.2	54	0.4	1.3	0.7	2.9
625	0.37	11.80	0.77	1.00	0.97	4.24	**609**	230	122.0	4.451	1.5	1.4	108	0.8	1.8	1.0	2.4
626	0.56	11.59	0.76	1.00	0.94	6.09	**625**	321	76.0	2.763	1.2	1.1	245	1.3	2.4	1.7	2.8
650	1.92	10.12	0.71	1.00	0.88	17.16	**626**	521	231.0	4.571	1.5	2.6	290	0.8	1.4	3.5	6.1
651	2.01	10.60	0.77	1.00	0.96	20.58	**650**	541	13.0	1.231	0.8	0.3	528	1.4	1.9	4.6	4.9
652	0.18	12.03	0.90	1.00	1.00	2.12	**651**	323	15.0	3.133	3.6	0.1	308	1.7	2.7	1.9	2.0
653	0.19	11.91	0.90	1.00	1.00	2.27	**652**	337	14.0	3.429	3.8	0.1	323	1.6	2.6	2.1	2.2
654	0.05	12.38	0.90	1.00	1.00	0.56	**653**	134	13.0	3.077	3.6	0.1	121	0.6	1.6	1.3	1.4
655	0.04	12.56	0.90	1.00	1.00	0.50	**654**	111	13.0	3.077	3.6	0.1	98	0.7	1.7	1.0	1.1
656	0.37	9.89	0.60	1.00	0.75	2.78	**655**	325	58.0	18.02	3.0	0.3	267	0.2	0.7	6.4	6.7
657	0.22	10.60	0.90	1.00	1.00	2.37	**656**	559	13.0	3.077	3.6	0.1	546	0.8	1.9	4.8	4.9
658	0.21	10.78	0.90	1.00	1.00	2.29	**657**	514	13.0	3.077	3.6	0.1	501	0.9	1.9	4.4	4.5
659	0.70	11.39	0.63	1.00	0.78	6.24	**658**	367	48.0	22.1	3.3	0.2	319	1.3	1.8	3.0	3.2
660	3.29	7.70	0.71	1.00	0.89	22.62	**659**	840	248.0	5.617	1.7	2.4	592	0.3	0.8	12.3	14.7
670	0.28	11.39	0.79	1.00	0.98	3.11	**660**	554	14.0	2.786	3.4	0.1	540	2.1	2.9	3.1	3.2
671	0.25	11.44	0.81	1.00	1.00	2.83	**670**	558	17.0	2.529	3.2	0.1	541	2.1	3.0	3.0	3.1

50% plans

OKLAHOMA TURNPIKE AUTHORITY

SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED
R/W
10/30/2017

STORM SEWER

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

DRAINAGE DESIGN RECORD
(SHEET 4 OF 4)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	JWJ	10/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	10/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R191

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED
R/W
10/30/2017

STORM SEWER DRAINAGE DESIGN RECORD

DRAINAGE AREA NO.	STR. NO.	DESIGN	REC. INLET WIDTH	NUMBER OF HOODS	NUMBER OF GRATES	TOP OF GRATE (FT)	FLOWLINE (FT)	INNER STR HEIGHT (FT)	LONG. SLOPE (%)	CROSS SLOPE (%)	CLOGGING FACTOR (%)	Q_{100} (DRAINAGE AREA) (CFS)	Q_{100} (CARRY OVER) (CFS)	Q_{100} (TOTAL) (CFS)	SPREAD (FT)	DEPTH (FT)	Q CAPTURED (CFS)	Q NOT CAPTURED (CFS)	BYPASS TARGET STRUCTURE	INLET EFFICIENCY (%)
200	200	SMD-TYPE 2 GRATE		-	-	756.59	753.49	3.10	-	16.67	50.00	3.33	10.86	14.19	4.12	0.69	14.19	0.00	-	100.00
201	201	SMD-TYPE 2 GRATE		-	-	756.61	752.00	4.61	0.04	16.67	30.00	2.01	11.42	13.42	8.94	1.49	2.56	10.86	200	19.06
202	202	SMD-TYPE 2 GRATE		-	-	756.67	748.00	8.67	0.08	16.67	30.00	2.01	12.30	14.30	8.10	1.35	2.88	11.42	201	20.19
203	203	GPI-TYPE 2 GRATE		-	-	752.33	747.33	5.00	-	16.67	50.00	22.49	-	22.49	3.95	0.66	22.49	0.00	-	100.00
204	204	SMD-TYPE 2 GRATE		-	-	756.78	751.75	5.03	0.12	16.67	30.00	3.15	12.35	15.50	7.76	1.29	3.20	12.30	202	20.67
205	205	SMD-TYPE 2 GRATE		-	-	757.09	752.74	4.35	0.37	16.67	30.00	5.89	10.13	16.03	6.38	1.06	3.68	12.35	204	22.96
206	206	SMD-TYPE 2 GRATE		-	-	758.29	754.52	3.77	0.75	16.67	30.00	13.17	-	13.17	5.19	0.87	3.35	9.82	205	25.40
207	207	PCES		-	-	-	755.03	-	-	-	-	8.88	-	8.88	-	-	10.68	0.00	-	100.00
208	208	SMD-TYPE 2 GRATE		-	-	755.65	750.35	5.30	1.00	5.00	30.00	11.78	2.72	14.51	9.69	0.90	7.89	6.62	211	54.36
209	209	SMD-TYPE 2 GRATE		-	-	753.94	751.38	2.56	1.00	5.00	30.00	6.77	-	6.77	6.52	0.75	4.05	2.72	208	59.81
210	210	SMD-TYPE 2 GRATE		-	-	754.24	750.49	3.75	1.00	5.00	30.00	3.28	-	3.28	3.86	0.61	2.07	1.21	211	63.14
211	211	SMD-TYPE 2 GRATE		-	-	750.64	746.24	4.40	2.70	16.67	30.00	3.63	7.83	11.46	3.87	0.65	3.33	8.13	212	29.07
212	212	SMD-TYPE 2 GRATE		-	-	747.04	742.64	4.40	1.00	5.00	30.00	3.47	8.13	11.60	8.70	0.85	6.52	5.08	213	56.16
213	213	SMD-TYPE 2A GRATE		-	-	744.17	739.27	4.90	1.00	5.00	30.00	2.39	5.08	7.47	6.90	0.77	4.42	3.05	214	59.23
214	214	SMD-TYPE 2A GRATE		-	-	741.75	736.85	4.90	1.00	5.00	30.00	2.15	3.05	5.20	5.53	0.70	3.18	2.02	215	61.15
215	215	SMD-TYPE 2A GRATE		-	-	739.79	734.89	4.90	1.00	5.00	30.00	2.03	2.02	4.05	4.62	0.65	2.52	1.53	216	62.10
216	216	SMD-TYPE 2A GRATE		-	-	738.29	733.39	4.90	1.27	16.67	30.00	2.01	1.53	3.54	2.87	0.48	1.16	2.38	217	32.88
217	217	SMD-TYPE 2 GRATE		-	-	737.13	732.35	4.78	1.77	16.67	50.00	2.01	-	2.01	2.18	0.36	0.73	1.28	218	36.07
218	218	SMD-TYPE 2 GRATE		-	-	736.48	732.77	3.71	1.15	16.67	30.00	2.05	3.66	5.71	3.50	0.58	1.73	3.98	219	30.33
219	219	GPI-TYPE 1 GRATE		-	-	731.31	727.55	3.76	-	16.67	50.00	7.56	3.98	11.53	3.21	0.53	11.53	0.00	-	100.00
220	220	GPI-TYPE 1 GRATE		-	-	725.25	721.48	3.77	-	16.67	50.00	6.11	-	6.11	2.10	0.35	6.11	0.00	-	100.00
221	221	GPI-TYPE 1 GRATE		-	-	714.50	710.74	3.76	-	33.33	50.00	14.25	-	14.25	1.86	0.62	14.25	0.00	-	100.00
222	222	GPI-TYPE 1 GRATE		-	-	712.87	707.46	5.41	-	33.33	50.00	5.59	-	5.59	0.81	0.27	5.59	0.00	-	100.00
223	223	GPI-TYPE 1 GRATE		-	-	716.41	712.64	3.77	-	2.12	50.00	9.21	-	9.21	2.76	0.46	9.21	0.00	-	100.00
224	224	GPI-TYPE 1 GRATE		-	-	718.05	714.26	3.79	-	16.67	50.00	8.50	-	8.50	2.61	0.44	8.50	0.00	-	100.00
225	225	GPI-TYPE 2 GRATE		-	-	711.30	707.54	3.76	-	16.67	50.00	6.19	-	6.19	1.71	0.29	6.19	0.00	-	100.00
226	226	GPI-TYPE 1 GRATE		-	-	712.24	708.48	3.76	-	16.67	50.00	7.88	-	7.88	2.49	0.41	7.88	0.00	-	100.00
227	227	GPI-TYPE 1 GRATE		-	-	713.76	710.00	3.76	-	16.67	50.00	4.74	-	4.74	1.77	0.30	4.74	0.00	-	100.00
228	228	GPI-TYPE 1 GRATE		-	-	699.92	696.16	3.76	-	16.67	50.00	9.89	-	9.89	2.89	0.48	9.89	0.00	-	100.00
229	229	GPI-TYPE 2 GRATE		-	-	683.50	679.50	4.00	-	33.33	50.00	27.00	-	27.00	2.31	0.76	27.00	0.00	-	100.00
230	230	GPI-TYPE 1 GRATE		-	-	688.99	685.20	3.79	-	16.67	50.00	7.27	-	7.27	2.36	0.39	7.27	0.00	-	100.00
231	231	GPI-TYPE 2 GRATE		-	-	688.43	684.67	3.76	-	16.67	50.00	9.37	-	9.37	2.26	0.38	9.37	0.00	-	100.00
232	232	GPI-TYPE 1 GRATE		-	-	695.17	691.40	3.77	-	16.67	50.00	7.23	-	7.23	2.35	0.39	7.23	0.00	-	100.00
233	233	GPI-TYPE 1 GRATE		-	-	696.66	690.61	6.05	-	16.67	50.00	5.49	-	5.49	1.95	0.33	5.49	0.00	-	100.00
234	234	GPI-TYPE 1 GRATE		-	-	691.72	683.74	7.98	-	16.67	50.00	6.18	-	6.18	2.11	0.35	6.18	0.00	-	100.00
235	235	GPI-TYPE 1 GRATE		-	-	668.63	662.59	6.04	-	16.67	50.00	7.54	-	7.54	2.42	0.40	7.54	0.00	-	100.00
236	236	GPI-TYPE 1 GRATE		-	-	662.28	658.50	3.78	-	16.67	50.00	7.85	-	7.85	2.48	0.41	7.85	0.00	-	100.00
237	237	GPI-TYPE 2 GRATE		-	-	657.43	653.25	4.18	-	16.67	50.00	8.49	-	8.49	2.11	0.35	8.49	0.00	-	100.00
238	238	PCES		-	-	-	746.05	-	-	-	-	120.17	-	120.17	-	-	120.17	0.00	-	100.00
239	239	GPI-TYPE 1 GRATE		-	-	658.91	654.66	4.25	-	16.67	50.00	7.11	-	7.11	2.32	0.39	7.11	0.00	-	100.00
240	240	GPI-TYPE 1 GRATE		-	-	673.45	667.41	6.04	-	16.67	50.00	8.56	-	8.56	2.63	0.44	8.56	0.00	-	100.00
241	241	GPI-TYPE 1 GRATE		-	-	684.07	680.31	3.76	-	16.67	50.00	0.92	-	0.92	0.59	0.10	0.92	0.00	-	100.00
242	242	GPI-TYPE 1 GRATE		-	-	683.11	677.13	5.98	-	16.67	50.00	3.64	-	3.64	1.49	0.25	3.64	0.00	-	100.00
243	243	GPI-TYPE 1 GRATE		-	-	669.01	662.95	6.06	-	16.67	50.00	8.24	-	8.24	2.56	0.43	8.24	0.00	-	100.00
244	244	GPI-TYPE 1 GRATE		-	-	666.56	660.50	6.06	-	16.67	50.00	9.66	-	9.66	2.85	0.47	9.66	0.00	-	100.00
245	245	GPI-TYPE 1 GRATE		-	-	669.75	663.68	6.07	-	16.67	50.00	8.12	-	8.12	2.54	0.42	8.12	0.00	-	100.00
246	246	GPI-TYPE 1 GRATE		-	-	665.86	659.81	6.05	-	16.67	50.00	8.93	-	8.93	2.70	0.45	8.93	0.00	-	100.00
247	247	GPI-TYPE 1 GRATE		-	-	657.63	651.60	6.03	-	16.67	50.00	7.97	-	7.97	2.50	0.42	7.97	0.00	-	100.00
248	248	GPI-TYPE 1 GRATE		-	-	658.97	652.94	6.03	-	16.67	50.00	5.82	-	5.82	2.03	0.34	5.82	0.00	-	100.00
249	249	GPI-TYPE 1 GRATE		-	-	670.39	664.33	6.06	-	16.67	50.00	8.19	-	8.19	2.55	0.43	8.19	0.00	-	100.00
250	250	GPI-TYPE 1 GRATE		-	-	684.96	678.94	6.02	-	16.67	50.00	3.13	-	3.13	1.34	0.22	3.13	0.00	-	100.00
251	251	GPI-TYPE 1 GRATE		-	-	712.78	706.70	6.08	-	16.67	50.00	7.01	-	7.01	2.30	0.38	7.01	0.00	-	100.00
252	252	SMD-TYPE 1 GRATE		-	-	763.57	759.31	4.26	0.85	6.00	30.00	0.25	0.92	1.17	3.87	0.23	0.86	0.31	206	73.80
253	253	SMD-TYPE 1 GRATE		-	-	764.41	759.36	5.05	0.81	6.00	30.00	2.55	-	2.55	5.22	0.31	1.63	0.92	252	63.84
254	254	GPI-TYPE 2 GRATE		-	-	707.84	704.74	3.10	-	33.33	50.00	28.33	-	28.33	2.36	0.79	28.33	0.00	-	100.00
255	255	GPI-TYPE 2 GRATE		-	-	707.81	704.71	3.10	-	33.33	50.00	2.79	-	2.79	0.50	0.17	2.79	0.00	-	100.00
256	256	GPI-TYPE 2 GRATE		-	-	694.49	691.49	3.00	-	33.33	50.00	12.43	-	12.43	1.73	0.58	12.43	0.00	-	100.00
257	257	CICI-DGN2		-	-	648.10	645.10	3.00	-	6.00	50.00	4.06	-	4.06	5.55	0.33	4.06	0.00	-	100.00
301	301	GPI-TYPE 2 GRATE		-	-	655.29	649.73	5.56	-	-	-	18.14	-	18.1	-	-	-	-	-	-
302	302	GPI-TYPE 2 GRATE		-	-	688.21	676.61	11.60	-	-	-	24.00	-	24.0	-	-	-	-	-	-
303	303	CICI-DES 2(2A) W/ SM. JCB		3	2	667.57	662.12	5.45	4.32	0.06	1.00	6.37	-	6.4	5.13	0.31	4.84	1.53	-	76%
304	304	GPI-TYPE 2 GRATE		-	-	657.53	653.51	4.02	-	-	-	17.74	-	17.7	-	-	-	-	-	-
305	305	GPI-TYPE 2 GRATE		-	-	668.73	657.44	11.29	-	-	-	26.79	-	26.8	-	-	-	-	-	-
306	306	RCI 1048		-	-	652.47	652.47	-	-	-	-	89.65	-	89.7	-	-	-	-	-	-
307	307	GPI-TYPE 2 GRATE		-	-	660.91	656.18	4.73	-	-	-	69.47	-	69.5	-	-	-	-	-	-
308	308	GPI-TYPE 2 GRATE		-	-	661.30	655.23	6.07	-	-	-	25.54	-	25.5	-	-	-	-	-	-
309	309	GPI-TYPE 2 GRATE		-	-	660.99	653.71	7.28	-	-	-	54.52	-	54.5	-	-	-	-	-	-
310	310	GPI-TYPE 2 GRATE		-	-	688.87	684.96	3.91	-	-	-	11.85	-	11.9	-	-	-	-	-	-
311	311	GPI-TYPE 2 GRATE		-	-	688.38	684.67	3.71	-	-	-	7.65	-	7.7	-	-	-	-	-	-
312	312	GPI-TYPE 2 GRATE		-	-	680.56	676.90	3.66	-	-	-	7.73	-	7.7	-	-	-	-	-	-
313	313	SMD-TYPE 2 GRATE		-	-	676.26	670.79	5.47	-	-	-	27.48	-	27.5	-	-	-	-	-	-
314	314	RCI 1048		-	-	672.87	668.37	4.50	-	-	-	41.35	-	41.4	-	-	-	-	-	-
315	315	GPI-TYPE 2 GRATE		-	-	675.66	670.53	5.13	-	-	-	14.37	-	14.4	-	-	-	-	-	-
316	316	GPI-TYPE 2 GRATE		-	-	675.19	671.54	3.65	-	-	-	12.32	-	12.3	-	-	-	-	-	-
317	317	RCI 1048		-	-	672.96	668.80	4.16	-	-	-	12.86	-	12.9	-	-	-	-	-	-
318	318	CICI-DES 2(2A)		2	2	676.40	669.80	6.60	1.56	0.06	1.00	3.82	-	3.8	5.35	0.30	2.9	0.9	-	77%
319	319	CICI-DES 2(2A)		-	3	674.84	668.36	6.48	1.56	0.06	2.00	9.14	-	10.0	7.68	0.43	8.0	2.0	-	80%
320	320	CICI-DES 2(2A)		-	4	673.27	666.44	6.83	1.56	0.06	3.00	7.94	-	7.9	7.04	0.39	7.9	-	-	100%
321	321	CICI-DES 2(2A)		-	5	671.70	664.52	7.18	1.56	0.06	4.00	8.25	-	8.3	7.14	0.40	8.3	-	-	100%
322	322	CICI-DES 2(2A)		-	6	668.20		668.20	1.56	0.06	5.00	3.16	-	3.2	4.98	0.28	3.2	-	-	100%

50% plans

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

SUMMARY OF INLET DESIGN
(SHEET 1 OF 3)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	JWJ	10/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	10/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R192

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED
R/W
10/30/2017

STORM SEWER DRAINAGE DESIGN RECORD

DRAINAGE AREA NO.	STR. NO.	DESIGN	REC. INLET WIDTH	NUMBER OF HOODS	NUMBER OF GRATES	TOP OF GRATE	FLOWLINE	INNER STR HEIGHT	LONG. SLOPE	CROSS SLOPE	CLOGGING FACTOR	Q_{100} (DRAINAGE AREA)	Q_{100} (CARRY OVER)	Q_{100} (TOTAL)	SPREAD	DEPTH	Q CAPTURED	Q NOT CAPTURED	BYPASS TARGET STRUCTURE	INLET EFFICIENCY
						(FT)	(FT)	(FT)	(%)	(%)	(%)	(CFS)	(CFS)	(CFS)	(FT)	(FT)	(CFS)	(CFS)		(%)
323	323	GPI-TYPE 2 GRATE		-	-	681.43	678.33	3.10	-	-	-	6.72	-	6.7	-	-	-	-	-	-
324	324	GPI-TYPE 2 GRATE		-	6	675.33	672.23	3.10	2.16	0.06	5.00	16.53	-	16.5	8.71	0.49	16.5	-	-	100%
325	325	CICI-DES 2(2A)		-	6	676.58	673.58	3.00	2.16	0.06	5.00	5.00	-	5.0	5.57	0.31	5.0	-	-	100%
326	326	CICI-DES 2(2A) W/ SM. JCB		-	6	674.70	669.37	5.33	2.16	0.06	5.00	5.29	-	5.3	5.68	0.32	5.3	-	-	100%
327	327	CICI-DES 2(2A)		-	6	672.78	670.11	2.67	2.16	0.06	5.00	6.64	-	6.6	6.19	0.35	6.6	-	-	100%
EX301	EX301	SMD-TYPE 2 GRATE		-	-	655.00	648.52	6.48	-	-	-	17.65	-	17.7	-	-	-	-	-	-
EX302	EX302	CICI-DES 1(2A)		-	-	676.00	671.43	4.57	-	-	-	1.93	-	1.9	-	-	-	-	-	-
EX303	EX303	CICI-DES 1(2A)		-	-	675.79	671.79	4.00	-	-	-	1.67	-	1.7	-	-	-	-	-	-
EX304	EX304	SMD-TYPE 2 GRATE		-	-	658.60	654.56	4.04	-	-	-	15.58	-	15.6	-	-	-	-	-	-
EX305	EX305	RCI 1048		-	-	688.27	688.27	-	-	-	-	4.58	-	4.6	-	-	-	-	-	-
EX306	EX306	CICI-DES 1(2A)		-	-	688.14	684.14	4.00	-	-	-	14.70	-	14.7	-	-	-	-	-	-
EX307	EX307	SMD-TYPE 2 GRATE		-	-	687.14	683.80	3.34	-	-	-	9.59	-	9.6	-	-	-	-	-	-
EX308	EX308	CICI-DES 1(2A)		-	-	684.56	681.25	3.31	-	-	-	2.21	-	2.2	-	-	-	-	-	-
EX309	EX309	CICI-DES 2(2A) W/ SM. JCB		-	-	674.62	671.06	3.56	-	-	-	3.17	-	3.2	-	-	-	-	-	-
EX310	EX310	SMD-TYPE 2 GRATE		-	-	658.70	653.00	5.70	-	-	-	16.03	-	16.0	-	-	-	-	-	-
EX311	EX311	SMD-TYPE 2 GRATE		-	-	662.31	653.46	8.85	-	-	-	17.21	-	17.2	-	-	-	-	-	-
EX312	EX312	SMD-TYPE 2 GRATE		-	-	680.87	676.66	4.21	-	-	-	13.73	-	13.7	-	-	-	-	-	-
400	400	RCI 1048	4	-	-	749.73	747.23	2.50	1.02	4.00	0.00	1.34	0.8	2.1	5.73	0.23	2.1	0.0	OFFSITE	100%
401	401	RCI 1048	4	-	-	759.63	754.53	5.10	7.32	2.00	0.00	2.08	0.9	3.0	6.91	0.14	2.2	0.8	400	73%
402	402	RCI 1096	8	-	-	759.09	755.09	4.00	7.86	0.18	0.00	0.71	0.9	1.6	24.55	0.04	1.5	0.2	OFFSITE	89%
403	403	RCI 1096	8	-	-	767.41	763.41	4.00	8.22	1.60	0.00	3.07	0.8	3.8	8.55	0.14	2.9	0.9	402	76%
404	404	RCI 1048	4	-	-	781.14	777.14	4.00	8.11	2.00	0.00	2.60	0.5	3.1	6.85	0.14	2.2	0.9	401	71%
405	405	RCI 1096	8	-	-	780.91	776.71	4.20	8.13	2.00	0.00	2.56	1.0	3.5	7.23	0.14	2.8	0.8	403	78%
406	406	RCI 1096	8	-	-	790.53	786.53	4.00	6.07	2.00	0.00	3.52	0.8	4.3	8.22	0.16	3.3	1.0	405	77%
407	407	RCI 1048	4	-	-	796.09	792.09	4.00	4.50	2.00	0.00	2.62	0.0	2.6	7.22	0.14	2.2	0.5	405	82%
408	408	RCI 1096	8	-	-	795.85	791.65	4.20	4.52	2.00	0.00	4.18	0.0	4.2	8.59	0.17	3.4	0.8	406	81%
409	409	RCI 1048	4	-	-	798.62	794.62	4.00	1.60	2.00	0.00	3.31	0.0	3.3	9.56	0.19	2.9	0.4	BRIDGE	88%
410	410	RCI 1048	4	-	-	798.62	794.12	4.50	1.60	2.00	0.00	3.61	0.0	3.6	9.88	0.20	3.1	0.5	BRIDGE	86%
411	411	RCI 1096	8	-	-	772.03	764.93	7.10	4.50	2.00	0.00	5.85	0.0	5.9	9.75	0.20	4.3	1.5	450	74%
412	412	RCI 1096	8	-	-	771.82	767.82	4.00	4.50	2.00	0.00	4.78	0.0	4.8	9.04	0.18	3.7	1.0	414	78%
413	413	RCI 1048	4	-	-	757.04	748.94	8.10	4.45	2.00	0.00	2.67	0.0	2.7	7.28	0.15	2.2	0.5	415	82%
414	414	RCI 1048	4	-	-	757.28	748.28	9.00	4.45	2.00	0.00	3.23	1.0	4.3	8.68	0.17	3.0	1.3	416	70%
415	415	RCI 1048	4	-	-	745.66	740.36	5.30	2.00	2.00	0.00	3.28	0.5	3.8	9.62	0.19	3.1	0.6	OFFSITE	83%
416	416	RCI 1048	4	-	-	744.66	740.06	4.60	2.00	2.00	0.00	2.68	1.0	3.7	9.58	0.19	3.1	0.6	OFFSITE	84%
417	417	ODOT SMD-TYPE 2B	-	-	-	752.30	749.70	2.60	-	5.88	60.00	8.51	-	8.5	-	0.38	8.5	0.0	SUMP	100%
418	418	ODOT GPI TYPE 2 (DES. 10)	-	-	-	750.10	746.45	3.65	-	3.74	60.00	24.07	-	24.1	-	0.73	24.1	0.0	SUMP	100%
419	419	ODOT SMD-TYPE 2	-	-	-	747.70	744.20	3.50	-	2.29	60.00	7.55	-	7.6	-	0.42	7.6	0.0	SUMP	100%
420	420	ODOT GPI TYPE 1 (DES. 1)	-	-	-	746.49	742.09	4.40	-	3.98	60.00	8.19	-	8.2	-	0.42	8.2	0.0	SUMP	100%
421	421	ODOT SMD-TYPE 2	-	-	-	746.00	742.00	4.00	-	12.06	60.00	1.88	-	1.9	-	0.18	1.9	0.0	SUMP	100%
450	450	RCI 1048 (SUMP)	4	-	-	763.76	758.76	5.00	-	7.62	80.00	7.62	0.4	8.0	11.11	0.23	7.6	0.0	-	100%
451	451	RCI 1048	4	-	-	764.55	757.05	7.50	0.90	2.00	0.00	1.73	0.0	1.7	8.35	0.17	1.7	0.0	452	99%
452	452	ODOT GPI TYPE 2 (DES. 9)	-	-	-	761.83	757.93	3.90	-	25.00	60.00	21.19	0.3	21.5	-	0.66	21.5	0.0	SUMP	100%
453	453	ODOT SMD-TYPE 2B	-	-	-	761.83	759.23	2.60	-	25.00	60.00	7.81	-	7.8	-	0.37	7.8	0.0	SUMP	100%
454	454	RCI 1048 (SUMP)	4	-	-	764.00	759.50	4.50	-	2.93	80.00	2.93	0.5	3.4	-1.33	-0.03	2.9	0.0	-	100%
455	455	RCI 1048	4	-	-	766.43	760.83	5.60	3.69	2.00	0.00	2.67	0.0	2.7	7.54	0.15	2.2	0.4	450	84%
456	456	RCI 1096	8	-	-	766.42	761.43	4.99	1.54	2.00	0.00	3.31	1.0	4.4	10.67	0.21	3.9	0.5	454	90%
457	457	ODOT SMD-TYPE 2B	-	-	-	766.20	763.64	2.56	-	25.00	60.00	10.90	-	10.9	-	0.45	10.9	0.0	SUMP	100%
458	458	RCI 1096	8	-	-	771.78	767.28	4.50	1.54	2.00	0.00	5.11	1.2	6.3	12.28	0.25	5.3	1.0	456	84%
459	459	RCI 1048	4	-	-	774.03	770.03	4.00	1.54	2.00	0.00	4.60	0.9	5.5	11.62	0.23	4.2	1.2	456	78%
460	460	RCI 1048	4	-	-	775.00	771.05	3.95	0.95	2.00	0.00	2.12	0.0	2.1	8.92	0.18	2.1	0.1	OFFSITE	97%
461	461	RCI 1048	4	-	-	774.96	771.46	3.50	0.95	2.00	0.00	4.80	0.5	5.3	12.58	0.25	4.4	0.9	459	84%
462	462	RCI 1048	4	-	-	774.96	771.46	3.50	0.95	2.00	0.00	4.65	0.5	5.3	12.58	0.25	4.4	0.9	459	84%
1400_EX1	1400_EX1	*CICI-DES 2*	-	-	2	-	-	-	2.22	2.00	0.00	45.49	-	45.5	25.48	0.51	6.1	39.4	-	13%
1400_EX2	1400_EX2	*CICI-DES 2*	-	-	2	-	-	-	2.22	2.00	0.00	16.18	-	16.2	17.29	0.35	3.1	13.1	-	19%
1400_EX3	1400_EX3	*CICI-DES 2*	-	-	2	-	-	-	2.22	2.00	0.00	84.46	-	84.5	32.14	0.54	9.0	75.4	SUMP	11%
1400_EX4	1400_EX4	*CICI-DES 2*	-	2	2	-	-	-	2.22	2.00	0.00	9.81	-	9.8	14.33	0.29	3.4	6.4	1400_EX6	35%
1400_EX5	1400_EX5	*CICI-DES 2*	-	2	2	-	-	-	2.22	2.00	0.00	12.69	-	12.7	15.79	0.32	4.0	8.7	500	32%
1400_EX6	1400_EX6	*CICI-DES 2*	-	2	2	-	-	-	2.22	2.00	0.00	8.56	6.4	14.9	16.78	0.34	4.5	10.4	1400_EX7	30%
1400_EX7	1400_EX7	*CICI-DES 2*	-	-	2	-	-	-	1.00	2.00	0.00	1.61	10.7	12.3	18.11	0.36	8.7	3.6	SUMP	71%
500	500	RCI 1096	8	-	-	707.84	704.34	3.50	2	2	0.00	4.19	13	17	17	0	9	8	501	53%
501	501	RCI 1096	8	-	-	705.76	702.16	3.60	2	2	0.00	2.31	8	10	14	0	7	3	502	68%
502	502	RCI 1096	8	-	-	704.04	700.14	3.90	2	2	0.00	2.02	3	5	11	0	4	1	503	84%
503	503	RCI 1096 (SUMP)	8	-	-	702.99	699.47	3.52	-	2	80.00	8.03	1	9	1	0	8.0	0	-	100%
504	504	RCI 1048	4	-	-	703.56	696.36	7.20	1	2	0.00	3.78	0	4	12	0	4	0	1400_EX4	93%
505	505	RCI 1048	4	-	-	704.21	691.51	12.70	1	2	0.00	3.22	0	3	11	0	3	0	503	95%
506	506	RCI 1048 (SUMP)	4	-	-	703.04	698.83	4.21	-	2	80.00	5.60	0	6	3	0	5.6	0	-	100%
507	507	RCI 1048 (SUMP)	4	-	-	703.04	699.54	3.50	-	2	80.00	7.34	0	7	9	0	7.3	0	-	100%
508	508	RCI 1048	4	-	-	705.68	700.68	5.00	2	2	0.00	1.87	0	2	8	0	2	0	-	95%
509	509	RCI 1048	4	-	-	704.12	699.62	4.50	1	2	0.00	3.61	2	5	12	0	4	1	-	81%
510	510	RCI 1096	8	-	-	707.60	702.80	4.80	2	2	0.00	2.09	0	2	8	0	2	0	508	96%
511	511	RCI 1048	4	-	-	707.58	703.58	4.00	2	2	0.00	5.69	0	6	12	0	4	2	509	72%
512	512	RCI 1048	4	-	-	712.51	707.91	4.60	2	2	0.00	1.42	0	1	7	0	1	0	510	98%
513	513	RCI 1048	4	-	-	712.39	708.39	4.00	2	2	0.00	3.22	0	3	9	0	3	0	511	87%
514	514	ODOT GPI TYPE 2 (DES. 8)	-	-	-	700.14	695.84	4.30	-	0.25	60.00	16.14	-	16.1	-	0.50	16.1	0.0	SUMP	100%
515	515	ODOT GPI TYPE 2 (DES. 8)	-	-	-	699.46	696.26	3.20	-	0.25	60.00	25.17	-	25.2	-	0.57	25.2	0.0	SUMP	100%
520	520	CICI-DES 2(2B)	-	4	2	700.37	696.07	4.30	1.27	3.13	0.70	9.28	-	9.3	11.79	0.37	9.3	-	SUMP	100%
521	521	CICI-DES 2(2A)	-	2	2	700.37	696.47	3.90	1.30	3.13	0.70	5.76	-	5.8	9.81	0.31	5.8	-	SUMP	100%
522	522	CICI-DES 2(D)	-	4	2	698.54	692.14	6.40	1.70	3.13	1.00	2.95	-	3.0	7.26	0.23	2.4	0.6	524	81%
523	523	CICI-DES 2(B)	-	2	2	698.54	694.04	4.50	1.72	3.13	1.00	2.08	-	2.1	6.36	0.20	1.5	0.6	525	72%
524	524	CICI-DES 2(2B)	-	4	2	694.53	689.83	4.70	1.00	3.13	0.70	9.08	0.6	9.7	12.51	0.39	9.7	-	SUMP	100%

50% plans

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

SUMMARY OF INLET DESIGN
(SHEET 2 OF 3)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	JWJ	10/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	10/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R193

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED
R/W
10/30/2017

STORM SEWER DRAINAGE DESIGN RECORD

DRAINAGE AREA NO.	STR. NO.	DESIGN	REC. INLET WIDTH	NUMBER OF HOODS	NUMBER OF GRATES	TOP OF GRATE (FT)	FLOWLINE (FT)	INNER STR HEIGHT (FT)	LONG. SLOPE (%)	CROSS SLOPE (%)	CLOGGING FACTOR (%)	Q_{100} (DRAINAGE AREA) (CFS)	Q_{100} (CARRY OVER) (CFS)	Q_{100} (TOTAL) (CFS)	SPREAD (FT)	DEPTH (FT)	Q CAPTURED (CFS)	Q NOT CAPTURED (CFS)	BYPASS TARGET STRUCTURE	INLET EFFICIENCY (%)
525	525	CICI-DES 2(2A)	-	2	2	694.62	690.12	4.50	1.00	3.13	0.70	2.85	0.6	3.4	8.50	0.27	3.4	-	SUMP	100%
530	530	CICI-DES 2(2A)	-	2	2	716.65	712.35	4.30	1.00	3.13	0.70	3.42	-	3.4	8.48	0.26	3.4	-	SUMP	100%
531	531	CICI-DES 2(2A)	-	2	2	716.65	712.05	4.60	1.00	3.13	0.70	3.48	-	3.5	8.53	0.27	3.5	-	SUMP	100%
600EX_0	600EX_0	DROP INLET	-	-	2	-	-	-	0.23	3.12	1.00	18.83	-	18.8	21.20	0.66	3.0	15.8	SUMP	16%
600EX_1	600EX_1	CICI-DES 1	-	-	1	-	-	-	0.77	2.11	1.00	4.68	-	4.7	12.79	0.27	1.2	3.5	605	25%
600EX_2	600EX_2	CONC. HOOD	-	3	-	-	-	-	0.52	2.31	1.00	10.54	-	10.5	17.66	0.41	3.5	7.0	609	33%
600EX_3	600EX_3	CONC. HOOD	-	3	-	-	-	-	0.75	2.28	1.00	4.43	-	4.4	12.03	0.27	1.9	2.5	600EX_2	43%
600EX_4	600EX_4	CONC. HOOD	-	3	-	-	-	-	0.38	1.89	1.00	5.07	-	5.1	16.17	0.31	2.2	2.9	600EX_3	43%
600EX_5	600EX_5	CONC. HOOD	-	3	-	-	-	-	0.38	1.90	1.00	4.03	-	4.0	14.77	0.28	1.9	2.1	600EX_4	47%
600EX_6	600EX_6	CONC. HOOD	-	3	-	-	-	-	0.38	1.90	1.00	58.26	-	58.3	40.22	0.76	9.8	48.5	600EX_5	17%
601	601	CICI-DES 2(D)	-	4	2	649.12	645.10	4.02	2.02	1.94	1.00	3.86	-	3.9	10.48	0.20	2.3	1.5	605	61%
602	602	CICI-DES 2(D)	-	4	2	649.06	644.74	4.32	1.50	2.33	1.00	3.86	-	3.9	9.88	0.23	2.6	1.3	604	68%
603	603	ODOT SMD-TYPE 2	-	-	-	648.90	643.37	5.53	-	1.22	60.00	1.90	-	1.9	-	0.17	1.9	0.0	SUMP	100%
604	604	CICI-DES 2(D)	-	4	2	647.76	643.68	4.08	0.90	2.39	1.00	2.27	1.3	3.5	10.33	0.25	2.6	0.9	606	74%
605	605	RCI 1048 (SUMP)	4	-	-	647.65	644.04	3.61	5.01	3.54	80.00	3.54	5.0	8.5	8.71	0.27	3.5	0.0	-	100%
606	606	RCI 1096 (SUMP)	8	-	-	647.68	643.71	3.97	24.28	0.73	80.00	0.73	24.3	25.0	21.67	0.58	0.7	0.0	-	100%
607	607	CICI-DES 2(D)	-	4	2	647.72	643.77	3.95	0.28	2.81	1.00	24.63	0.8	25.4	24.35	0.58	12.9	12.5	606	51%
608	608	CICI-DES 2(D)	-	4	2	648.01	644.08	3.93	0.55	2.10	1.00	1.39	1.9	3.2	11.93	0.25	2.5	0.8	607	76%
609	609	CICI-DES 2(D)	-	4	2	647.99	644.32	3.67	0.23	3.12	1.00	8.19	-	8.2	15.51	0.48	6.3	1.9	608	77%
625	625	CICI-DES 2(2B)	-	4	2	644.85	640.25	4.60	1.00	3.12	0.70	4.24	-	4.2	9.20	0.29	4.2	-	SUMP	100%
626	626	CICI-DES 2(2B) W/ SM. JCB	-	4	2	644.62	641.42	3.20	1.00	3.12	0.70	6.09	-	6.1	10.54	0.33	6.1	-	SUMP	100%
652	652	CICI-DES 2	-	-	2	643.97	639.87	4.10	1.00	3.13	0.70	2.12	0.0	2.2	7.15	0.22	2.2	-	-	100%
653	653	CICI-DES 2	-	-	2	643.97	639.67	4.30	1.00	3.13	0.70	2.27	0.1	2.4	7.44	0.23	2.4	-	-	100%
654	654	CICI-DES 2(B)	-	2	2	649.47	645.17	4.30	2.00	3.13	1.00	0.56	-	0.6	3.78	0.12	0.5	0.0	652	91%
655	655	CICI-DES 2	-	-	2	649.47	644.97	4.50	2.00	3.13	1.00	0.50	-	0.5	3.62	0.11	0.4	0.1	653	71%
656	656	ODOT SMD-TYPE 2	-	-	-	647.50	643.50	4.00	-	25.00	60.00	2.78	-	2.8	-	0.22	2.8	0.0	SUMP	100%
657	657	CICI-DES 2(D)	-	4	2	645.67	639.83	5.84	1.00	3.13	1.00	2.37	-	2.4	7.39	0.23	2.1	0.3	-	89%
658	658	CICI-DES 2(D)	-	4	2	645.67	639.73	5.94	1.00	3.13	1.00	2.29	-	2.3	7.29	0.23	2.0	0.3	-	88%
659	659	ODOT SMD-TYPE 2	-	-	-	643.13	640.03	3.10	1.00	25.00	0.70	6.24	-	6.2	-	0.37	6.2	0.0	SUMP	100%
660	660	ODOT SMD-TYPE 2B	-	-	-	643.50	640.50	3.00	1.00	6.70	0.70	22.62	-	22.6	-	0.72	22.6	0.0	SUMP	100%
670	670	CICI-DES 2(D)	-	4	2	681.41	677.90	3.51	3.50	3.13	1.00	3.11	-	3.1	6.47	0.20	2.4	0.7	-	77%
671	671	CICI-DES 2(D)	-	4	2	681.43	677.59	3.84	3.50	3.13	1.00	2.83	-	2.8	6.24	0.20	2.2	0.6	-	79%

50% plans

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

SUMMARY OF INLET DESIGN
(SHEET 3 OF 3)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	JWJ	10/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	10/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R194

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED
R/W
10/30/2017

STORM SEWER DRAINAGE DESIGN RECORD

STR. NO.	ALIGNMENT	STATION	I.D.	RIM ELEV	FLOWLINE IN			FLOWLINE OUT			INNER STR HT
					FORM STR	PIPE SIZE	ELEV	TO STR	PIPE SIZE	ELEV	FT.
MH-200	Gilcrease C.R.L.	183+60	6'	700.51	MH-201	48"	691.58 (E)	Outlet	48"	688.51 (W)	12.00
MH-201	Gilcrease C.R.L.	183+60	6'	711.75	226	18"	707.00 (N)	MH-200	48"	699.75 (W)	12.00
			6'		225	18"	705.00 (S)				
			6'		6	48"	701.52 (E)				
MH-202	Gilcrease C.R.L.	217+25	4'	692.75	232	18"	687.75 (W)	Outlet	18"	680.75 (E)	12.00
MH-203	Gilcrease C.R.L.	227+00	4'	683.78	233	18"	680.28 (W)	Outlet	18"	671.78 (E)	12.00
MH-204	Gilcrease C.R.L.	232+25	4'	678.78	234	18"	675.28 (W)	Outlet	18"	666.78 (E)	12.00
MH-205	Gilcrease C.R.L.	278+00	4'	660.57	240	18"	657.06 (W)	Outlet	18"	648.57 (E)	12.00
MH-206	Gilcrease C.R.L.	288+25	4'	646.73	242	18"	643.19 (W)	Outlet	18"	634.73 (E)	12.00
MH-207	Gilcrease C.R.L.	312+50	4'	650.37	243	18"	646.87 (W)	Outlet	18"	638.37 (E)	12.00
MH-208	Gilcrease C.R.L.	315+75	4'	646.33	244	18"	643.61 (W)	Outlet	18"	635.11 (E)	12.00
MH-209	Gilcrease C.R.L.	322+00	4'	645.32	245	18"	641.82 (W)	Outlet	18"	633.32 (E)	12.00
MH-210	Gilcrease C.R.L.	335+50	4'	653.12	246	18"	649.62 (W)	Outlet	18"	641.12 (E)	12.00
MH-211	Gilcrease C.R.L.	341+24	4'	650.24	247	18"	646.74 (W)	Outlet	18"	638.24 (E)	12.00
MH-212	Gilcrease C.R.L.	343+50	4'	650.48	248	18"	646.98 (W)	Outlet	18"	638.48 (E)	12.00
MH-213	Gilcrease C.R.L.	348+50	4'	651.72	249	18"	648.22 (W)	Outlet	18"	639.72 (E)	12.00
MH-214	Gilcrease C.R.L.	366+00	4'	687.73	251	18"	684.24 (E)	Outlet	18"	675.73 (W)	12.00
MH-301	65th Kystn Ramp A_CL	1324+65.00	4'	673.56	303	30"	662.06	OUTLET	36"	661.56	12.00
MH-302	65th Kystn Ramp A_CL	1325+10.00	4'	678.29	302	24"	674.86	MH-303	24"	668.43	9.86
MH-303	65th Kystn Ramp A_CL	1325+88.00	4'	668.49	MH-302	24"	664.04	OUTLET	18"	656.49	12.00
MH-304	65th Kystn Ramp A_CL	1332+60.77	6'	656.12	305	24"	645.31	OUTLET	48"	645.31	10.81
MH-305	N C-D_CL	6336+99.26	5'	657.08	EX311	24"	652.24	OUTLET	24"	646.62	10.46
MH-306	N C-D_CL	5338+20.47	6'	664.00	308	36"	655.00	OUTLET	36"	654.49	9.51
MH-307	N C-D_CL	6338+60.00	6'	656.29	309	30"	652.02	OUTLET	30"	648.80	7.49
MH-308	49th Kystn Ramp C_CL	3363+39.50	8'	679.45	EX312	24"	676.07	315	24"	672.92	6.53
MH-309	49th Kystn Ramp C_CL	3365+71.31	8'	677.50	314	36"	667.45	MH-310	54"	666.95	10.55
MH-310	49th Kystn Ramp C_CL	3369+00.00	8'	677.63	MH-309	54"	665.99	MH-312	54"	665.80	11.83
MH-311	49th Kystn Ramp C_CL	3370+56.81	4'	679.38	316	18"	670.79	317	18"	670.29	9.09
MH-312	49th Kystn Ramp C_CL	3370+54.61	8'	676.86	MH-310	54"	665.36	MH-313	54"	664.86	12.00
MH-313	49th Kystn Ramp C_CL	3374+20.00	8'	673.49	MH-312	54"	663.79	MH-314	54"	663.29	10.20
MH-314	49th Kystn Ramp C_CL	3376+40.00	8'	667.86	MH-313	54"	662.66	OUTLET	54"	662.16	5.70
MH-315	49th Kystn Ramp D_CL	4375+79.96	4'	683.00	323	24"	671.59	MH-316	30"	671.00	12.00
MH-316	49th Kystn Ramp D_CL	4377+00.00	4'	681.98	MH-315	30"	670.49	MH-317	30"	669.99	11.99
MH-317	49th Kystn Ramp D_CL	4377+90.30	4'	679.50	MH-316	30"	669.21	OUTLET	36"	669.04	10.46
EXMH-301	Keystone Survey_CL	317+15.15	6'	659.97	EXMH-302	36"	649.24	EX301	36"	649.24	10.73
EXMH-302	Keystone Survey_CL	319+84.85	5'	658.01	301	36"	649.61	EXMH-301	36"	649.61	8.40
MH-401	51st ST_CL	541+45.00	4'	759.82	411	18"	749.52 (N)	413	18"	749.04 (E)	10.78
MH-450	51st Frontage	12+55.00	5'	762.15	452	30"	757.75 (NW)	451	30"	757.65 (SW)	4.50
MH-451	51st Frontage	15+23.00	4'	764.42	*EX. INLET*	24"	*761.05 (N)(EXIST.)*	OUTLET	24"	759.52 (SW)	4.90
MH-500	41st Street CL	402+60.00	4'	704.43	*EX. INLET*	9"	*701.90 (SW)(EXIST.)*	502	18"	700.93 (N)	3.50
MH-501	41st Street CL	403+94.00	6'	703.65	*EX. INLET*	42"	*696.72 (W)(EXIST.)*	MH-502	48"	696.22 (E)	7.43
MH-502	41st Street CL	404+71.00	8'	703.39	MH-501	48"	694.78 (W)	MH-504	60"	693.79 (E)	9.60
MH-503	41st Street CL	404+71.00	6'	703.83	503	36"	698.78 (W)	504	36"	697.56 (N)	6.27
MH-504	41st Street CL	405+70.00	8'	700.00	MH-502	60"	691.97 (W)	OUTLET	48"	691.87 (NE)	8.13
MH-505	41st Street CL	406+55.00	5'	701.74	505	36"	690.14 (S)	OUTLET	36"	689.81 (N)	11.93
MH-506	41st Street CL	409+35.00	8'	705.46	MH-507	36"	693.17 (S)	505	36"	693.05 (W)	12.41
MH-507	41st ST RAMP A	1167+90.00	6'	706.13	514	18"	695.13 (E)	MH-506	36"	694.13 (N)	12.00
					MH-508	24"	694.63 (S)				
MH-508	41st ST RAMP A	1167+40.00	4'	706.29	515	24"	695.19 (E)	MH-507	24"	695.09 (N)	11.20
MH-509	41st Street_CL	420+95.00	8'	714.58	517	48"	709.04 (E)	OUTLET	48"	708.94 (N)	5.64
MH-601	21st Street CL	231+50.00	6'	649.73	602	18"	644.70 (N)	EX. INLET	36"	*643.20 (W)(EXIST.)*	6.53
					603	36"	*643.22 (E)(EXIST.)*				
MH-602	21st Street CL	232+79.00	6'	649.22	604	18"	643.67 (N)	603	36"	*643.67 (W)(EXIST.)*	5.55
					606	36"	643.69 (E)				
MH-603	21st Street CL	233+05.00	6'	648.66	607	18"	643.76 (N)	606	36"	643.76 (W)	4.9
					MH-604	36"	*643.78 (E)(EXIST.)*				
MH-604	21st Street CL	233+90.00	6'	648.91	608	18"	644.06 (N)	MH-603	36"	*644.06 (W)(EXIST.)*	4.85
					MH-605	36"	*644.08 (E)(EXIST.)*				
MH-605	21st Street CL	234+55.00	6'	649.16	609	18"	644.29 (N)	MH-604	36"	*644.29 (W)(EXIST.)*	4.87
					EX. MH	36"	*644.30 (E)(EXIST.)*				
MH-625	57TH ST.	60+70.00	4'	645.41	626	18"	640.61 (N)	652	18"	640.51 (W)	4.90
MH-650	2nd Street Realign	64+50.00	4'	648.84	656	18"	643.34 (N)	MH-651	18"	643.24 (E)	5.60
MH-651	2nd Street Realign	66+20.00	4'	647.48	MH-650	18"	642.38 (W)	MH-652	18"	642.28 (SE)	5.20
MH-652	2nd Street Realign	67+30.00	5'	645.7	MH-651	18"	641.20 (NW)	OUTLET	30"	639.60 (S)	6.1
					658	30"	639.70 (NE)				

59% plans

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

SUMMARY OF MANHOLE DESIGN

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	JWJ	10/17	CONTRACT NO. GCT-2500
DETAILED	BWH	10/17	DATE: 10/30/2017
CHECKED	NAB	10/17	SHEET NO. R195

STORM SEWER DRAINAGE DESIGN RECORD

START STR NO.	END STR NO.	DIAM INCH	LENGTH LF	SLOPE %	INV UP FT	INV DN FT	T/R UP FT	T/R DN FT	HGL UP FT	HGL DN FT	EGL UP FT	EGL DN FT	Q_{100} CFS	$Q_{CAPACITY}$ CFS	VELOCITY FPS
200	201	24	97.0	1.05	753.49	752.50	756.59	756.61	754.62	753.63	755.55	754.56	14.19	23.17	7.75
201	1	24	71.3	8.55	752.00	746.02	756.61	-	752.68	746.70	757.45	751.47	16.63	66.15	17.52
202	1	24	11.8	21.78	748.00	745.72	756.67	-	748.51	746.23	757.35	755.07	15.15	105.58	23.85
203	1	24	10.5	7.26	747.33	746.71	752.33	-	748.17	747.55	753.17	752.55	22.49	60.97	17.93
204	202	24	100.1	0.61	751.75	751.16	756.78	756.67	752.99	752.40	753.56	752.97	12.38	17.61	6.07
205	204	24	150.1	0.60	752.74	751.85	757.09	756.78	753.78	752.99	754.28	753.49	9.33	17.58	5.67
206	205	18	200.1	0.60	754.52	753.34	758.29	757.09	755.75	754.55	756.13	754.94	5.80	8.12	4.99
207	208	24	78.5	4.76	755.03	751.35	-	755.65	755.66	751.98	758.10	754.42	10.68	49.37	12.54
208	211	24	210.0	1.93	750.35	746.34	755.65	750.64	751.60	747.59	753.44	749.43	22.47	31.46	10.88
209	208	18	75.5	0.73	751.38	750.85	753.94	755.65	752.09	751.60	752.47	751.98	4.05	8.95	4.94
210	211	18	65.0	5.84	750.49	746.84	754.24	750.64	750.78	747.50	751.94	748.66	2.07	25.38	8.65
211	212	24	125.0	2.86	746.24	742.74	750.64	747.04	747.50	744.11	750.22	746.83	27.54	38.26	13.25
212	213	24	100.1	2.84	742.64	739.87	747.04	744.17	744.11	741.34	747.03	744.26	33.89	38.15	13.71
213	214	30	100.1	2.38	739.27	736.95	744.17	741.75	740.67	738.43	743.50	741.26	38.15	63.30	13.49
214	215	30	100.1	1.91	736.85	734.99	741.75	739.79	738.43	736.72	740.89	739.18	41.15	56.68	12.59
215	216	30	100.1	1.44	734.89	733.49	739.79	738.29	736.72	735.32	738.70	737.30	43.46	49.17	11.31
216	2	30	25.0	5.43	733.39	732.10	738.29	-	734.59	733.30	740.25	738.97	44.38	95.55	19.09
217	2	18	67.0	0.30	732.35	732.15	737.13	-	733.39	733.19	733.55	733.34	2.42	5.79	3.13
218	217	18	100.1	0.33	732.77	732.45	736.48	737.13	733.79	733.45	733.93	733.60	1.73	6.02	2.94
219	3	18	22.5	2.83	727.55	726.99	731.31	-	728.43	727.87	730.19	729.63	11.53	17.68	10.65
220	4	18	28.2	3.76	721.48	720.53	725.25	-	722.04	721.09	723.62	722.66	6.11	20.37	10.06
221	222	18	266.0	1.21	710.74	707.62	714.50	712.87	714.08	709.18	715.09	710.19	14.25	11.53	8.06
222	5	18	16.8	8.18	707.39	706.32	712.87	-	708.26	707.20	713.33	712.27	19.41	30.05	18.06
223	OUTLET	18	115.9	4.93	712.64	707.02	716.41	-	713.29	707.68	715.68	710.06	9.21	23.32	12.40
224	OUTLET	18	107.8	8.14	714.26	705.65	718.05	-	714.81	706.20	718.11	709.50	8.50	29.97	14.58
228	OUTLET	18	90.5	2.27	696.16	694.15	699.92	-	697.02	695.01	698.40	696.39	9.89	15.82	9.44
229	OUTLET	24	128.9	3.32	679.50	675.36	683.50	-	680.68	676.54	683.72	679.58	27.00	41.25	14.00
230	OUTLET	18	112.9	7.46	685.20	677.00	688.99	-	685.72	677.51	688.57	680.36	7.27	28.69	13.54
231	OUTLET	18	84.1	0.50	684.67	684.26	688.43	-	686.43	685.76	686.87	686.20	9.37	7.40	5.30
232	MH-202	18	85.0	4.50	691.40	687.75	695.17	692.75	691.98	688.34	693.96	690.31	7.23	22.29	11.26
233	MH-203	18	117.0	9.15	690.61	680.28	696.66	683.78	691.04	680.70	693.85	683.52	5.49	31.77	13.46
234	MH-204	18	109.0	8.06	683.74	675.28	691.72	678.78	684.20	675.74	686.94	678.48	6.18	29.82	13.27
235	OUTLET	18	125.3	7.79	662.59	652.99	668.63	-	663.11	653.51	666.10	656.50	7.54	29.32	13.86
236	OUTLET	18	107.9	6.04	658.50	652.10	662.28	-	659.07	652.67	661.62	655.22	7.85	25.82	12.81
237	OUTLET	24	82.3	1.45	653.25	652.09	657.43	-	654.32	653.15	655.55	654.38	15.12	27.23	8.89
238	8	48	167.2	5.26	646.05	637.25	-	-	647.31	638.51	651.08	608.85	90.74	329.55	20.87
239	237	24	246.0	0.54	654.66	653.36	658.91	657.43	655.57	654.32	645.28	654.72	7.11	16.65	5.09
240	MH-205	18	120.0	8.92	667.41	657.06	673.45	660.57	667.94	657.59	671.48	661.14	8.56	31.37	15.09
241	242	18	275.0	1.14	680.31	677.24	684.07	683.11	680.60	677.52	680.83	677.75	0.92	11.23	3.83
242	MH-206	18	179.0	19.40	677.13	643.19	683.11	646.73	677.44	643.50	681.63	647.69	4.35	46.26	16.42
243	MH-207	18	134.0	12.37	662.95	646.87	669.01	650.37	663.43	647.35	667.81	651.74	8.24	36.94	16.30
244	MH-208	18	136.0	12.79	660.50	643.61	666.56	646.33	661.01	644.13	665.94	649.05	9.66	37.57	17.30
245	MH-209	18	151.0	14.87	663.68	641.82	669.75	645.32	664.13	642.28	669.10	647.25	8.12	40.50	17.39
246	MH-210	18	107.0	9.89	659.81	649.62	665.86	653.12	660.34	650.15	664.25	654.06	8.93	33.04	15.86
247	MH-211	18	100.0	5.07	651.60	646.74	657.63	650.24	652.20	647.34	654.47	649.60	7.97	23.65	12.07
248	MH-212	18	103.0	6.02	652.94	646.98	658.97	650.48	653.42	647.46	655.57	649.61	5.82	25.77	11.76
249	MH-213	18	138.0	12.02	664.33	648.22	670.39	651.72	664.81	648.70	669.10	652.99	8.19	36.42	16.60
250	OUTLET	18	99.8	3.11	678.94	675.90	684.96	-	679.36	676.32	680.30	677.26	3.13	18.54	7.80
251	MH-214	18	148.1	15.59	706.70	684.24	712.78	687.73	707.12	684.66	711.83	689.37	7.01	41.48	17.42
252	206	18	60.1	6.67	759.31	755.47	763.57	758.29	760.36	756.52	761.77	757.93	2.47	27.12	9.53
253	252	18	99.0	0.88	759.36	758.52	764.41	763.57	761.78	760.36	761.79	761.77	1.63	9.83	0.92
254	5	24	56.9	0.30	704.74	704.58	707.84	-	707.47	706.58	708.73	707.84	28.33	12.42	9.02
255	5	18	53.8	0.26	704.71	704.58	707.81	-	705.78	705.65	705.93	705.79	2.79	5.35	3.06
256	OUTLET	24	104.3	0.43	691.49	691.05	694.49	-	693.13	692.68	693.56	693.11	12.43	14.80	5.28
MH-200	OUTLET	48	26.6	2.75	688.51	687.86	700.51	-	690.79	690.14	696.98	696.33	147.47	238.29	19.96
MH-201	MH-200	48	108.0	8.01	699.75	691.58	711.75	700.51	701.42	693.25	715.19	707.02	147.82	406.53	29.77
MH-202	OUTLET	18	31.2	2.67	680.75	679.97	692.75	-	681.43	680.65	682.77	681.99	7.20	17.17	9.28
MH-203	OUTLET	18	30.0	2.04	671.78	671.21	683.78	-	672.41	671.84	673.35	672.78	5.46	15.00	7.81
MH-204	OUTLET	18	30.7	1.98	666.78	666.21	678.78	-	667.45	666.88	668.44	667.87	6.14	14.79	7.98
MH-205	OUTLET	18	31.1	2.33	648.57	647.89	660.57	-	649.35	648.67	650.66	649.98	8.51	16.03	9.20
MH-206	OUTLET	18	31.0	2.66	634.73	633.96	646.73	-	635.24	634.47	636.25	635.48	4.32	17.12	8.07
MH-207	OUTLET	18	30.7	2.65	638.37	637.61	650.37	-	639.10	638.34	640.52	639.76	8.19	17.09	9.56
MH-208	OUTLET	18	31.2	2.67	635.11	634.33	646.33	-	635.91	635.13	637.46	636.68	9.61	17.18	9.98
MH-209	OUTLET	18	31.1	2.65	633.32	632.55	645.32	-	634.05	633.28	635.46	634.69	8.08	17.09	9.53
MH-210	OUTLET	18	30.8	2.68	641.12	640.35	653.12	-	641.88	641.11	643.38	642.61	8.89	17.19	9.81
MH-211	OUTLET	18	30.9	2.66	638.24	637.47	650.24	-	638.96	638.19	640.36	639.59	7.92	17.13	9.50
MH-212	OUTLET	18	31.3	2.66	638.48	637.70	650.48	-	639.08	638.30	640.27	639.49	5.78	17.14	8.74
MH-213	OUTLET	18	30.8	2.67	639.72	638.95	651.72	-	640.45	639.68	641.87	641.10	8.14	17.16	9.57
MH-214	OUTLET	18	33.2	2.63	675.73	674.91	687.73	-	676.40	675.58	677.70	676.88	6.97	17.03	9.14
301	EXP6	36	9.8	0.41	649.74	649.70	655.29	-	653.07	653.05	653.38	653.36	31.68	42.66	4.48
302	MH-302	24	64.0	3.00	676.61	674.86	688.21	-	677.74	675.99	680.40	678.65	23.87	39.18	13.07
303	MH301	30	18.2	0.50	622.12	662.06	667.57	-	664.23	664.13	664.90	664.81	23.68	29.00	6.59
304	EXP19	24	9.7	0.62	653.51	653.46	657.53	-	656.06	656.05	656.19	656.18	9.03	17.81	2.88
305	MH-304	24	180.4	3.00	657.44	652.23	668.73	-	659.05	653.84	660.89	655.68	11.68	39.18	10.87

STORM SEWER DRAINAGE DESIGN RECORD

START STR NO.	END STR NO.	DIAM INCH	LENGTH LF	SLOPE %	INV UP FT	INV DN FT	T/R UP FT	T/R DN FT	HGL UP FT	HGL DN FT	EGL UP FT	EGL DN FT	Q_{100} CFS	$Q_{CAPACITY}$ CFS	VELOCITY FPS
306	MH-304	48	18.5	1.00	647.16	647.03	652.47	-	650.51	650.44	651.26	651.19	87.17	143.64	6.94
307	308	36	94.5	0.50	656.18	655.72	660.91	661.30	662.55	660.45	663.84	662.96	64.43	47.16	9.11
308	MH-306	36	48.8	0.50	655.23	655.00	661.30	-	660.09	659.20	662.59	651.71	89.77	47.16	12.70
309	MH-307	30	89.1	2.00	653.71	652.02	660.99	-	655.77	654.42	657.42	656.07	50.56	58.00	10.30
310	311	24	86.1	0.30	684.96	684.71	688.87	688.38	687.63	687.03	687.85	687.62	11.72	12.39	3.73
311	OUTLET	24	87.1	0.45	684.67	684.29	688.38	-	686.92	686.29	687.51	686.88	19.35	15.17	6.16
312	OUTLET	18	220.0	0.50	676.90	675.81	680.56	-	678.27	677.10	678.56	677.39	7.66	7.43	4.43
313	314	24	156.0	1.25	670.79	668.87	676.26	672.87	676.50	674.06	677.61	675.45	26.61	25.33	8.47
314	MH-309	36	311.8	0.30	668.37	667.45	672.87	-	673.51	671.23	674.89	671.77	66.73	36.53	9.44
315	MH-309	36	95.9	1.00	670.53	669.63	675.66	-	672.87	671.97	674.11	673.21	27.21	66.70	8.95
316	MH-311	18	61.8	1.33	671.54	670.79	675.19	-	673.19	672.31	673.98	673.10	12.55	12.09	7.10
317	MH-312	18	14.8	1.50	668.80	668.65	672.96	-	670.30	670.07	671.06	670.85	12.55	12.87	7.10
318	319	18	100.0	0.50	669.80	669.33	676.40	674.84	673.51	673.28	673.54	673.50	2.12	7.43	1.20
319	320	18	100.0	1.50	668.36	666.94	674.84	673.27	673.21	672.32	673.42	673.03	6.56	12.87	3.71
320	321	18	99.8	1.50	666.44	665.02	673.27	671.70	672.05	669.91	672.76	671.47	12.97	12.87	6.77
321	313	18	10.3	1.50	664.52	664.44	671.70	676.25	667.81	668.13	669.37	669.08	17.67	12.87	10.00
323	MH-315	24	200.0	0.50	678.33	677.36	681.43	683.00	679.79	678.81	680.15	679.18	6.66	16.00	4.86
324	MH-315	24	67.4	1.00	672.23	671.59	675.33	683.00	674.19	673.59	674.62	674.26	16.56	22.62	5.27
325	MH-316	18	35.7	0.50	673.58	673.42	676.58	681.98	675.11	674.45	675.32	675.14	2.32	7.43	3.71
326	MH-317	18	38.4	0.50	669.37	669.21	674.70	679.50	671.22	670.93	671.44	671.28	6.73	7.43	3.81
327	326	18	119.2	0.50	670.11	669.54	672.78	674.70	671.72	671.43	671.78	671.66	3.41	7.43	1.93
MH-301	OUTLET	36	37.9	0.50	661.56	661.38	673.56	645.70	663.06	662.88	663.76	663.58	23.68	47.16	6.68
MH-302	MH-303	24	77.1	6.00	668.43	664.04	678.29	668.49	669.35	665.91	673.82	666.81	23.87	55.41	16.97
MH-303	OUTLET	18	71.6	1.07	656.49	655.74	668.49	645.70	660.94	657.24	663.77	660.08	23.87	10.87	13.51
MH-304	OUTLET	48	65.7	0.50	645.31	645.00	656.12	645.70	648.82	648.51	649.78	649.47	98.85	101.57	7.87
MH-305	OUTLET	24	47.0	0.45	646.62	646.42	657.08	645.70	648.51	648.26	648.92	648.68	16.29	15.17	5.19
MH-306	OUTLET	36	65.0	0.50	654.49	654.18	664.00	645.70	658.36	657.18	660.86	659.69	89.77	47.16	12.70
MH-307	OUTLET	30	16.9	0.64	648.80	648.71	656.29	645.70	651.47	651.21	653.12	652.86	50.56	32.89	10.30
MH-308	315	24	199.2	1.00	672.92	671.00	679.45	675.65	674.51	672.87	674.77	674.11	13.00	22.62	4.14
MH-309	MH-310	54	329.0	0.30	666.95	665.99	677.50	677.63	671.13	670.40	671.67	670.92	93.94	107.71	5.91
MH-310	MH-312	54	154.6	0.30	665.80	665.36	677.63	676.85	670.33	669.82	670.87	670.51	93.94	107.71	5.91
MH-311	317	18	69.2	1.50	670.29	669.30	679.38	672.95	671.70	670.71	672.48	671.50	12.55	12.87	7.10
MH-312	MH-313	54	366.0	0.30	664.86	663.79	676.86	673.49	669.68	668.36	670.38	669.30	106.49	107.71	6.70
MH-313	MH-314	54	217.6	0.30	663.29	662.66	673.49	667.85	668.03	667.16	668.97	668.11	124.16	107.71	7.81
MH-314	OUTLET	54	57.5	0.30	662.16	662.00	667.86	645.70	666.73	666.50	667.68	667.45	124.16	107.71	7.81
MH-315	MH-316	30	121.4	0.50	671.08	670.49	683.00	681.98	673.19	672.56	673.86	673.25	23.22	29.00	6.56
MH-316	MH-317	30	93.2	0.50	669.99	669.54	681.98	679.50	672.12	671.65	672.81	672.34	25.54	29.00	6.66
MH-317	OUTLET	36	233.1	0.50	669.04	667.88	679.50	645.70	670.86	669.71	671.66	670.51	32.27	47.16	7.18
EXP20	OUTLET	24	40.5	1.00	652.02	651.62	-	645.70	653.94	653.48	654.86	654.40	24.12	22.62	7.68
EXP21	MH-305	24	64.5	0.95	652.83	652.24	-	657.08	654.30	653.97	654.72	654.39	16.29	22.02	5.19
EXP22	MH-308	24	13.8	0.84	676.15	676.07	-	679.45	677.80	677.71	678.55	678.46	13.00	20.68	6.95
EXP7	301	24	33.8	1.46	650.67	650.20	-	655.29	653.23	653.11	653.56	653.42	14.65	27.29	4.66
EX301	OUTLET	36	9.8	0.41			-	645.70	650.81	649.68	652.02	650.89	51.13	54.95	8.83
EXMH-301	EX301	36	168.3	0.68	648.52	647.39	-	-	650.95	650.81	651.95	651.81	33.46	53.89	8.03
EX302	EXMH-301	36	115.4	0.65	649.24	648.52	-	-	671.61	658.56	674.52	651.47	1.78	52.36	13.68
EX303	EX302	18	56.6	24.85	671.43	658.37	-	-	672.12	671.74	672.25	671.88	0.84	8.00	2.94
EXMH-302	EXMH-301	18	66.3	0.58	671.79	671.42	-	-	652.83	652.24	653.14	652.55	31.68	25.37	4.48
EXP6	EXMH-302	36	261.0	0.14	649.61	649.24	-	-	653.05	652.99	653.36	653.31	31.68	42.66	4.48
EX304	EXP7	36	24.5	0.41	649.70	649.61	-	-	655.38	653.23	657.64	653.57	14.65	41.50	12.06
EX305	EX306	24	117.2	3.36	654.56	650.67	-	-	685.29	685.15	685.41	685.28	1.95	5.56	2.87
EX306	EX307	18	48.9	0.28	684.27	684.14	-	-	684.99	684.61	685.39	685.01	5.25	8.60	5.11
EX307	EX308	18	59.2	0.67	684.14	683.76	-	-	684.55	682.14	688.83	686.41	14.58	29.41	16.59
EX308	EX309	18	37.0	7.84	683.80	681.08	-	-	682.14	672.27	685.35	675.48	15.61	23.84	14.37
EX309	303	18	196.5	5.15	681.25	671.39	-	667.57	671.85	664.84	675.35	665.30	17.21	52.81	15.01
EXP19	EX310	24	152.6	5.45	671.06	663.09	-	-	656.05	655.14	656.18	656.06	9.03	17.81	2.88
EX310	EXP20	24	72.4	0.62	653.46	653.02	-	-	655.07	653.94	655.99	654.86	24.12	22.62	7.68
EXP21	EX311	24	99.1	1.00	653.00	652.02	-	-	654.91	654.56	655.32	654.97	16.29	22.02	5.19
EX312	EXP22	24	67.8	0.95	653.46	652.83	-	-	677.90	677.39	678.53	678.02	13.00	18.52	6.38
EXP20	OUTLET	24	77.3	0.67	676.66	676.15	-	645.70	653.94	653.48	654.86	654.40	24.12	22.62	7.68
EXP21	MH305	24	126.2	0.75	664.14	663.20	-	656.12	654.30	653.97	654.72	654.39	16.29	22.02	5.19
EXP22	MH308	24	40.5	1.00	652.02	651.62	-	656.29	677.80	677.71	678.55	678.46	13.00	20.68	6.95
EXP7	301	24	64.5	0.95	652.83	652.24	-	655.29	653.23	653.11	653.56	653.42	14.65	27.29	4.66
400	OUTLET	18	9.91	0.5	747.23	747.19	749.73	-	748.33	748.28	748.59	748.54	3.32	7.43	4.08
401	OUTLET	24	130.29	3.52	754.53	750.01	759.63	-	755.44	750.92	758.05	753.53	18.08	42.46	12.96
402	401	24	42.58	1.19	755.09	754.63	759.09	759.63	756.25	755.79	757.33	756.87	15.77	24.7	8.33
403	402	18	94.85	8.8	763.41	755.59	767.41	759.09	764.15	756.33	768.9	761.08	15.17	31.17	17.49
404	405	18	64.66	0.54	777.14	776.81	781.14	780.91	777.63	777.37	777.82	777.56	1.78	7.68	3.53
405	403	18	165.81	8.26	776.71	763.51	780.91	767.41	777.37	764.17	781.38	768.18	11.94	30.19	16.07
406	405	18	135	7.53	786.53	776.81	790.53	780.91	787.09	777.37	790.23	780.51	8.59	28.83	14.2
407	408	18	64.66	0.55	792.09	791.75	796.09	795.85	792.56	792.22	792.75	792.41	1.66	7.8	3.5
408	406	18	100	5.46	791.65	786.63	795.85	790.53	792.12	787.1	793.99	788.97	5.13	24.54	10.97
409	410	18	75.66	0.54	794.62	794.22	798.62	798.62	795.17	794.77	795.39	794.99	2.23	7.74	3.79
410	OUTLET	18	27.95	2.3	794.12	793.5	798.62	-	794.69	794.07	795.66	795.04	4.88	15.94	7.91
411	OUTLET	18	80	10.88	764.93	756.23	772.03	-	765.42	756.72	769.39	750.69	8.12	34.65	15.97

50% Plans

OKLAHOMA TURNPIKE AUTHORITY

SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED
R/W
10/30/2017

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

SUMMARY OF PIPE DESIGN
(SHEET 1 OF 2)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	JWJ	10/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	10/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R196

STORM SEWER DRAINAGE DESIGN RECORD

START STR NO.	END STR NO.	DIAM INCH	LENGTH LF	SLOPE %	INV UP FT	INV DN FT	T/R UP FT	T/R DN FT	HGL UP FT	HGL DN FT	EGL UP FT	EGL DN FT	Q_{100} CFS	$Q_{CAPACITY}$ CFS	VELOCITY FPS
412	411	18	75.83	3.1	767.32	765.03	771.82	772.03	767.78	765.49	768.84	766.55	3.85	18.5	8.25
413	414	18	56.48	1.05	748.94	748.38	757.04	757.28	750.09	749.53	750.83	750.27	10.05	10.75	6.91
414	OUTLET	18	50.85	1.5	748.28	747.53	757.28	-	749.44	748.69	750.5	749.75	12.1	12.87	8.27
415	416	18	37.66	0.56	740.36	740.16	745.66	744.66	741.42	741.18	741.75	741.53	4.33	7.87	4.55
416	OUTLET	18	26.86	1.04	740.06	739.79	744.66	-	741.14	741.06	741.49	741.42	7.34	7.43	4.79
417	MH-401	18	37	0.53	749.7	749.52	752.3	759.82	751.26	751.02	751.62	751.38	8.47	7.67	4.79
418	OUTLET	36	95.1	0.46	746.45	746.02	750.1	-	748.1	747.67	748.79	748.36	26.47	45.21	6.65
419	420	18	45	3.9	744.2	742.59	747.7	746.49	744.8	743.38	746.55	745.13	7.06	20.74	10.6
420	OUTLET	24	73.94	0.79	742.09	741.52	746.49	-	743.38	742.81	744.15	743.58	15.07	20.07	7.01
421	415	18	11.17	3.81	742	741.66	746	745.65	743.01	742.67	743.83	743.49	1.94	20.5	7.27
450	OUTLET	18	31.07	4.8	758.76	757.27	763.76	-	759.54	758.05	762.26	760.77	12.29	23	13.22
451	OUTLET	30	90.32	1.16	757.05	756.01	764.55	-	758.62	757.58	760.12	759.08	31.98	44.26	9.82
452	MH-450	30	28.68	0.74	757.93	757.75	761.83	762.15	759.72	759.54	760.74	760.56	30.54	35.39	8.11
453	452	18	47	0.68	759.23	758.93	761.83	761.83	760.52	760.23	760.85	760.56	8.18	8.63	4.63
454	450	18	48.66	1.34	759.5	758.86	764.00	763.75	760.09	759.54	760.69	760.13	4.04	12.17	6.19
455	OUTLET	24	29.06	1.31	760.83	760.45	766.43	-	762.33	761.95	763.68	763.3	23.54	25.87	9.33
456	455	24	50.66	1.01	761.43	760.93	766.42	766.43	763	762.5	764.06	763.56	21.83	22.7	8.23
457	OUTLET	18	99.39	1.01	763.64	762.65	766.20	-	765.1	764.03	765.69	764.62	10.9	10.55	6.17
458	OUTLET	18	100	2.12	767.28	765.16	771.78	-	768.19	766.07	769.53	767.41	10.41	15.29	9.31
459	458	18	142.2	1.89	770.03	767.38	774.03	771.78	770.54	768.19	771.24	768.89	3.56	14.44	6.75
460	OUTLET	18	20.17	1	771.05	770.86	775.00	-	772.02	771.88	772.7	772.56	8.49	10.5	6.61
461	460	18	52.66	0.72	771.46	771.1	774.96	775	772.43	772.07	772.91	772.55	6.71	8.94	5.55
462	461	18	27.28	0.52	771.68	771.56	775.18	774.95	773.09	772.73	773.35	773.21	3.17	7.54	4.08
MH-401	413	18	50.01	0.83	749.42	749.04	759.82	757.04	750.51	750.13	751.09	750.71	8.42	9.55	6.09
MH-450	451	30	39.17	1.42	757.65	757.15	762.15	764.55	759.08	758.62	760.79	760.34	30.46	48.91	10.5
MH-451	OUTLET	24	88.19	1.35	759.52	758.36	764.42	-	762.12	760.36	763.73	761.97	31.99	26.24	10.18
500	501	18	91.01	2.39	704.34	702.26	707.84	705.76	705.02	703.87	706.21	704.57	6.82	16.24	8.77
501	502	18	81.01	1.97	702.16	700.64	705.76	704.04	703.68	702.96	704.38	703.34	11.91	14.76	6.74
502	503	24	114.85	0.98	700.14	699.02	704.04	702.99	702.83	702.49	703.22	702.67	15.6	22.34	4.97
503	MH-503	36	84.4	2.1	699.47	697.78	702.99	703.83	702.46	702.35	702.64	702.53	24	96.57	3.39
504	MH-502	36	9.65	1.77	696.36	696.26	703.56	703.39	702.03	700.71	702.23	702.22	25.16	88.74	3.56
505	MH-505	36	126.01	1.13	691.51	690.14	704.21	701.74	699.96	699.55	700.41	700	38.21	70.82	5.41
506	OUTLET	18	124.32	1.11	698.83	697.47	703.04	-	700.29	699.94	700.45	700.1	5.6	11.08	3.17
507	RCB	.	130.62	2.39	699.54	696.46	703.04	-	701.39	701.14	701.58	701.14	6.13	16.25	3.47
508	OUTLET	18	18.41	1.14	700.68	700	705.68	-	698.73	698.72	698.74	698.73	1.6	21.83	0.91
509	RCB	18	27.3	2.65	699.62	698.95	704.12	-	700.85	700.88	700.91	700.88	3.47	17.09	1.96
510	OUTLET	18	22.05	1.5	702.8	702.5	707.60	-	703.46	703.16	704.19	703.89	5.13	12.85	6.86
511	510	18	75.56	0.95	703.58	702.9	707.58	707.6	704.15	703.47	704.55	703.87	3.13	10.24	5.09
512	OUTLET	18	15.65	0.73	707.91	707.81	712.51	-	708.55	708.45	708.9	708.8	3.42	8.99	4.73
513	512	18	52.27	0.79	708.39	708.01	712.39	712.51	708.87	708.55	709.15	708.83	2.15	9.2	4.24
514	MH-507	18	38.33	2.1	695.84	695.13	700.14	706.13	702.87	702.77	703.96	703.2	14.75	15.22	8.35
515	MH-508	24	104.48	1.06	696.26	695.19	699.46	706.29	705.16	704.09	705.99	704.91	23	23.27	7.32
517	MH-509	48	128	5.62	716.01	709.04	-	714.58	717.5	713.19	726.16	714.19	100.97	340.59	23.61
520	OUTLET	18	46.26	2.6	696.07	694.9	700.37	-	697.16	695.99	698.98	697.8	14.91	16.94	10.81
521	520	18	53.92	0.58	696.47	696.17	700.37	700.37	698.24	697.87	698.41	698.25	5.76	7.99	3.26
522	OUTLET	18	37.04	3	692.14	691.06	698.54	-	694.9	694.72	695.2	695.02	4.56	7.43	4.41
523	522	18	29.92	0.72	694.04	693.84	698.54	700.37	694.5	694.94	694.74	695.19	1.83	8.9	3.96
524	OUTLET	18	37.04	1.5	689.83	689.29	694.53	-	691.01	690.54	692.07	691.6	12.34	12.87	8.29
525	524	18	29.92	0.68	690.12	689.93	694.62	694.53	690.74	691.01	691.05	691.32	3.1	8.68	4.49
530	531	18	23.92	0.46	713.25	713.15	716.65	716.65	714.6	714.37	714.84	714.73	3.42	7.1079	3.979
531	OUTLET	18	24.15	0.5192	713.05	712.93	716.65	-	714.31	714.185	714.68	714.55	6.87	7.57	4.85
MH-500	502	18	6.93	5.89	700.93	700.64	704.43	704.04	703.23	702.85	703.24	703.24	1	25.49	0.57
MH-501	MH-502	48	78.53	2.01	696.22	694.78	703.65	703.39	700.56	700.86	703.5	702.36	172.7	203.56	13.74
MH-502	MH-504	60	99.15	2	693.79	691.97	703.39	700	700.56	700.03	702.07	701.52	193.29	368.32	9.84
MH-503	504	36	74.42	1.64	697.56	696.41	703.83	703.55	702.17	702.05	702.35	702.25	23.87	85.31	3.38
MH-504	OUTLET	60	31.98	2	691.87	691.31	700	-	699.44	699.26	700.93	700.76	192.8	368.32	9.82
MH-505	OUTLET	36	12.5	2.3	690.04	689.81	701.74	-	699.3	699.26	699.75	699.71	37.93	101.15	5.37
MH-506	505	36	280	0.53	693.05	691.61	705.46	704.21	701.45	700.58	701.87	701.03	36.47	48.43	5.16
MH-507	MH-506	36	167.81	0.6	694.13	693.17	706.13	705.45	702.58	702.08	703	702.49	36.96	51.64	5.23
MH-508	MH-507	24	50	1.02	695.09	694.63	706.29	706.13	702.82	702.7	703.63	703.13	22.82	22.87	7.26
MH-509	OUTLET	48	70.08	0.5	708.94	708.61	714.58	-	712.47	712.13	713.47	713.13	100.79	101.57	8.02
601	602	18	62.06	0.5	645.1	644.8	649.12	649.05	686.59	686.33	686.64	686.58	3.4	7.43	1.92
602	MH-601	18	12.94	0.5	644.74	644.7	649.06	649.73	686.25	678.11	686.49	686.44	7	7.43	3.96
604	MH-602	18	6.58	0.5	643.68	643.67	647.76	649.22	693.9	686.26	693.93	693.92	2.02	7.43	1.14
605	606	18	68.62	0.5	644.04	643.71	647.65	647.68	699.09	691.52	699.35	699.02	7.29	7.43	4.13
606	MH-602	36	13	0.36	643.71	643.69	647.68	649.22	688.07	687.2	695.57	694.87	155.29	40.02	21.97
607	MH-603	18	6.35	0.5	643.77	643.76	647.72	648.65	704.78	700.07	706.05	705.91	15.98	7.43	9.05
608	MH-604	18	7.61	0.5	644.08	644.06	648.01	648.91	705.53	701	705.64	705.62	4.76	7.43	2.69
609	MH-605	18	9.04	0.5	644.32	644.29	647.99	649.15	710.88	707.24	711.74	711.6	13.17	7.43	7.45
625	OUTLET	18	32	0.89	640.25	639.96	644.85	-	641.65	641.33	642.19	641.88	10.44	9.92	5.91
626	MH-625	18	31.22	3.04	641.42	640.61	644.62	645.41	642.64	642.53	642.84	642.73	6.23	18.32	3.53
652	653	18	23.92	0.46	639.87	639.77	643.97	643.97	641.04	640.86	641.23	641.13	2.13	7.11	3.51
653	OUTLET	18	50.8	0.42	639.67	639.46	643.97	-	640.82	640.61	641.09	640.87	4.43	6.82	4.11
654	655	18	23.92	0.46	645.17	645.07	649.47	649.47	646.11	645.96	646.2	646.09	0.55	7.11	2.38
655	OUTLET	18	24.94	0.5	644.97	644.85	649.47	-	645.91	645.79	646.04	645.92	1	7.43	2.92
656	MH-650	18	28	0.65	643.5	643.34	647.50	648.84	644.09	643.93	644.38	644.22	2.78	8.44	4.28
657	658	30	23.92	0.27	639.83	639.77	645.67	645.67	643.01	642.83	643.53	643.41	28.25	21.5	5.76
658	MH-652	30	7.04	0.86	639.73	639.7	645.67	645.7	642.76	642.63	643.35	643.31	30.2	37.97	6.15
659	657	24	22.03	0.51	640.03	639.93	643.13	645.67	642.96	643.25	644.07	643.77	26.56	16.18	8.46
660	659	18	36.6	1.09	640.5	640.13	643.50	643.13	643.4	643.13	645.93	644.24	22.57	10.95	12.77
670	671	18	23.92	0.92	677.9	677.7	681.41	681.43	678.44	678.4	678.81	678.76	2.8	10.05	4.86
671	OUTLET	18	47.99	0.89	677.59	677.17	681.43	-	678.4	677.98	678.92	678.5	5.6	9.93	5.78
MH603	606	36	13.03	0.36	643.76	643.74	648.66	647.68	693.38	691.17	699.22	698.67	137	40.02	19.38
MH625	625	18	32.92	0.52	640.51	640.35	645.41	644.85	642.36	641.89	642.55	642.43	6.22	7.56	3.52
MH650	MH651	18	167.97	0.52	643.24	642.38	648.84	647.48	643.87	643.01	644.11	643.25	2.77	7.61	3.96
MH651	MH652	18	102.29	1.1	642.28	641.2	647.48	645.7	642.79	642.45	643.2	642.86	2.7	11.04	5.15
MH652	OUTLET	30	82.5	0.49	639.6	639.21	645.70	-	642.22	641.71	642.9	642.38	32.34	28.64	6.59

50%01S

OKLAHOMA TURNPIKE AUTHORITY

SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED
R/W
10/30/2017

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

SUMMARY OF PIPE DESIGN
(SHEET 2 OF 2)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	JWJ	10/17	CONTRACT NO. GCT-2500
DETAILED	BWH	10/17	
CHECKED	NAB	10/17	DATE: 10/30/2017 SHEET NO. R197

STORM WATER MANAGEMENT PLAN

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SITE DESCRIPTION

PROJECT LIMITS: BEGIN AT S. 49TH W. AVE TURNPIKE OVER AND EXTEND NORTH APPROXIMATELY 2 MILES ALONG GILCREASE EXPRESSWAY TO W. EDISON STREET.

PROJECT DESCRIPTION: CONSTRUCTION OF NEW CORRIDOR ALIGNMENT. CONSTRUCT NEW SPAN BRIDGES OVER ARKANSAS RIVER, BERRYHILL CREEK, KATY TRAIL, AND HARLOW CREEK.

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

SOIL TYPE: KAMIE SERIES,DENNIS–PHAROAH & CHOSKA–SEVERN COMPLEX

TOTAL AREA OF THE CONSTRUCTION SITE: TOTAL=583.98 ACRES

ESTIMATED AREA TO BE DISTURBED: TOTAL=328.40 ACRES

OFFSITE AREA TO BE DISTURBED: (FOR CONTRACTOR USE)

TOTAL IMPERVIOUS AREA PRE-CONSTRUCTION: TOTAL=75.45 ACRES

TOTAL IMPERVIOUS AREA POST-CONSTRUCTION: TOTAL=108.11 ACRES

POST-CONSTRUCTION RUNOFF COEFFICIENT OF THE SITE: C=0.5

LATITUDE & LONGITUDE OF CENTER OF PROJECT: N36°06'57.04" / W96°03'19.50"

PROJECT WILL DISCHARGE TO:

NAME OF RECEIVING WATERS: ARKANSAS RIVER, HARLOW CREEK, BERRYHILL CREEK

SENSITIVE WATERS OR WATERSHEDS: YES ☐ NO ☒

303(d) IMPAIRED WATERS: YES ☒ NO ☐

IF YES, LIST IMPAIRMENT: ARKANSAS RIVER (TURBIDITY), HARLOW CREEK (ECOLI, FISHES_BIO, BENTHIC_MA)

LOCATED IN A TMDL: YES ☒ NO ☐

LAKE THUNDERBIRD TMDL: YES ☐ NO ☒

MS4 ENTITY YES ☒ NO ☐

IF YES, LOCATION: CITY OF TULSA, TULSA COUNTY

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:

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

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

STRUCTURAL PRACTICES:

- [X] STABILIZED CONSTRUCTION EXIT
- [X] TEMPORARY SILT FENCE
- [X] TEMPORARY SILT DIKES
- [ ] TEMPORARY FIBER LOG
- [X] DIVERSION, INTERCEPTOR OR PERIMETER DIKES
- [ ] DIVERSION, INTERCEPTOR OR PERIMETER SWALES
- [X] ROCK FILTER DAMS
- [ ] TEMPORARY SLOPE DRAIN
- [X] PAVED DITCH W/ DITCH LINER PROTECTION
- [X] TEMPORARY DIVERSION CHANNELS
- [X] 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
- [X] TEMPORARY STREAM CROSSINGS

OFFSITE VEHICLE TRACKING:

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

NOTES:

SILT SHALL BE REMOVED FROM TEMPORARY EROSION CONTROL DEVICES WHEN HALF FULL OR AS DIRECTED BY ENGINEER. COST TO BE INCLUDED IN THE PRICE BID FOR EROSION CONTROL DEVICE.

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 2009 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 AND CONTROL
221	TEMPORARY SEDIMENT CONTROL

IN ADDITION:

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

50% plans

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

STORM WATER MANAGEMENT PLAN

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	NAB	7/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	7/17		
CHECKED	NAB	7/17	DATE: 10/30/2017	SHEET NO. R198

REVISED 07 / 13 / 2017

$$datestamp$$ L:\2017\17037380 - OTA - Gilcrease Expressway Turnpike\Drawings\OTA_GCT_SWMP.dgn

SEC 32 T19N R12E

LEGEND
- REMOVE GUARDRAIL
- REMOVE CURB & GUTTER
- FENCE REMOVAL
- DRAINAGE STRUCTURE REMOVAL
- ASPHALT PAVEMENT REMOVAL
- CONCRETE PAVEMENT REMOVAL

0 50 100 150
SCALE

OKLAHOMA TURNPIKE AUTHORITY

SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

PC C.R.L. 100+57.28
℄ SURVEY A001 100+44.27
105+00
110+00

REMOVE 424 L.F. FENCE
REMOVE 744 L.F. GUARDRAIL
REMOVE 343 L.F. 3'X6' RCB
REMOVE 145 L.F. GUARDRAIL
REMOVE 3,310 S.Y. CONCRETE
REMOVE 52 L.F. 24" RCP
REMOVE 1,153 S.Y. ASPHALT
REMOVE 70 L.F. 18" CMP
REMOVE 184 L.F. 24" RCP
REMOVE SHOOFLY 1 283 S.Y. ASPHALT
REMOVE 26 L.F. CURB & GUTTER
REMOVE 38 L.F. 24" RCP
REMOVE 1,190 L.F. FENCE
REMOVE 13,517 S.Y. ASPHALT
REMOVE SHOOFLY 1 1,344 S.Y. ASPHALT
REMOVE 699 L.F. CURB & GUTTER
REMOVE SHOOFLY 1 3,919 S.Y. ASPHALT
REMOVE 45 L.F. 18" RCP
REMOVE 163 L.F. 18" RCP
REMOVE 75 L.F. 18" CMP
REMOVE 360 S.Y. CONCRETE
REMOVE 383 S.Y. CONCRETE
REMOVE 175 L.F. 36" RCP
REMOVE INLET
REMOVE 90 L.F. CURB & GUTTER
REMOVE 26 L.F. CURB & GUTTER
REMOVE 39 L.F. 18" RCP
REMOVE 31 L.F. CURB & GUTTER
REMOVE 31 L.F. CURB & GUTTER
REMOVE 41 L.F. 18" RCP
REMOVE 50 L.F. 12" RCP
REMOVE 167 L.F. 24" RCP
REMOVE INLET
REMOVE 24 L.F. 12" RCP
REMOVE 41 L.F. 18" RCP
REMOVE 46 L.F. 18" RCP
REMOVE 108 L.F. FENCE
REMOVE 28 L.F. 24" RCP
REMOVE 20 L.F. 24" RCP
REMOVE 27 L.F. 12" RCP
REMOVE INLET
REMOVE 154 L.F. 24" RCP
REMOVE 39 L.F. 24" RCP
REMOVE 65 L.F. 24" RCP
REMOVE 322 S.Y. CONCRETE
REMOVE 40 L.F. 24" RCP
REMOVE 67 L.F. FENCE
REMOVE 990 S.Y. CONCRETE
REMOVE 2,342 L.F. FENCE
REMOVE 588 L.F. FENCE

SS

50% plans

SEC 29 T19N R12E

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

REMOVAL SHEET (SHEET 1 OF 29)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	HBV	10/17	CONTRACT NO. GCT-2500
DETAILED	HBV	10/17	
CHECKED	NAB	10/17	DATE: 10/30/2017 SHEET NO. R199

SEC 32 T19N R12E

SEC 29 T19N R12E

0 50 100 150
SCALE

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

REMOVE SHOOFLY 1
2,803 S.Y. ASPHALT

REMOVE 709 L.F.
FENCE

REMOVE 584 L.F.
FENCE

REMOVE 25 L.F.
FENCE

REMOVE 101 L.F.
FENCE

REMOVE SHOOFLY 3
1,410 S.Y. ASPHALT

REMOVE 75 L.F.
FENCE

REMOVE 1,163
L.F. FENCE

REMOVE WIDENING
232 S.Y. ASPHALT

REMOVE 389 L.F.
FENCE

120+00

REMOVE 4,705 S.Y.
ASPHALT

REMOVE 725 L.F.
FENCE

125+00

REMOVE 401 S.Y.
CONCRETE

REMOVE SHOOFLY 3
1,135 S.Y. ASPHALT

REMOVE 7,732 S.Y.
ASPHALT

120+00

125+00

PRES. R/W

PRES. R/W

115+00

STA. 115+00

C.R.L.

REMOVE 453 S.Y.
CONCRETE

REMOVE INLET

C.R.L.

STA. 130+00

REMOVE 2,342 L.F.
FENCE

REMOVE SHOOFLY 4
2,679 S.Y. ASPHALT

50% plans

LEGEND

- REMOVE GUARDRAIL
- REMOVE CURB & GUTTER
- FENCE REMOVAL
- DRAINAGE STRUCTURE REMOVAL
- ASPHALT PAVEMENT REMOVAL
- CONCRETE PAVEMENT REMOVAL

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

REMOVAL SHEET
(SHEET 2 OF 29)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	HBV	10/17	CONTRACT NO. GCT-2500	
DETAILED	HBV	10/17	DATE: 10/30/2017	SHEET NO. R200
CHECKED	NAB	10/17		

SEC 29 T19N R12E

0 50 100 150
SCALE

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

LEGEND
- REMOVE GUARDRAIL
- REMOVE CURB & GUTTER
- FENCE REMOVAL
- DRAINAGE STRUCTURE REMOVAL
- ASPHALT PAVEMENT REMOVAL
- CONCRETE PAVEMENT REMOVAL

135+00
135+00
PT C.R.L. 136+75.54 PT
℄ SURVEY A001 136+86.11
140+00
140+00

REMOVE 403 S.Y. CONCRETE
REMOVE 162 L.F. 24" RCP
REMOVE 7,425 S.Y. ASPHALT
GILCREASE EXPRESSWAY
℄ SURVEY A001
C.R.L.
REMOVE 147 L.F. 24" RCP
STA. 145+00
STA. 130+00
130+00
C.R.L.
REMOVE 426 S.Y. CONCRETE

50% plans

SEC 29 T19N R12E

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

REMOVAL SHEET
(SHEET 3 OF 29)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

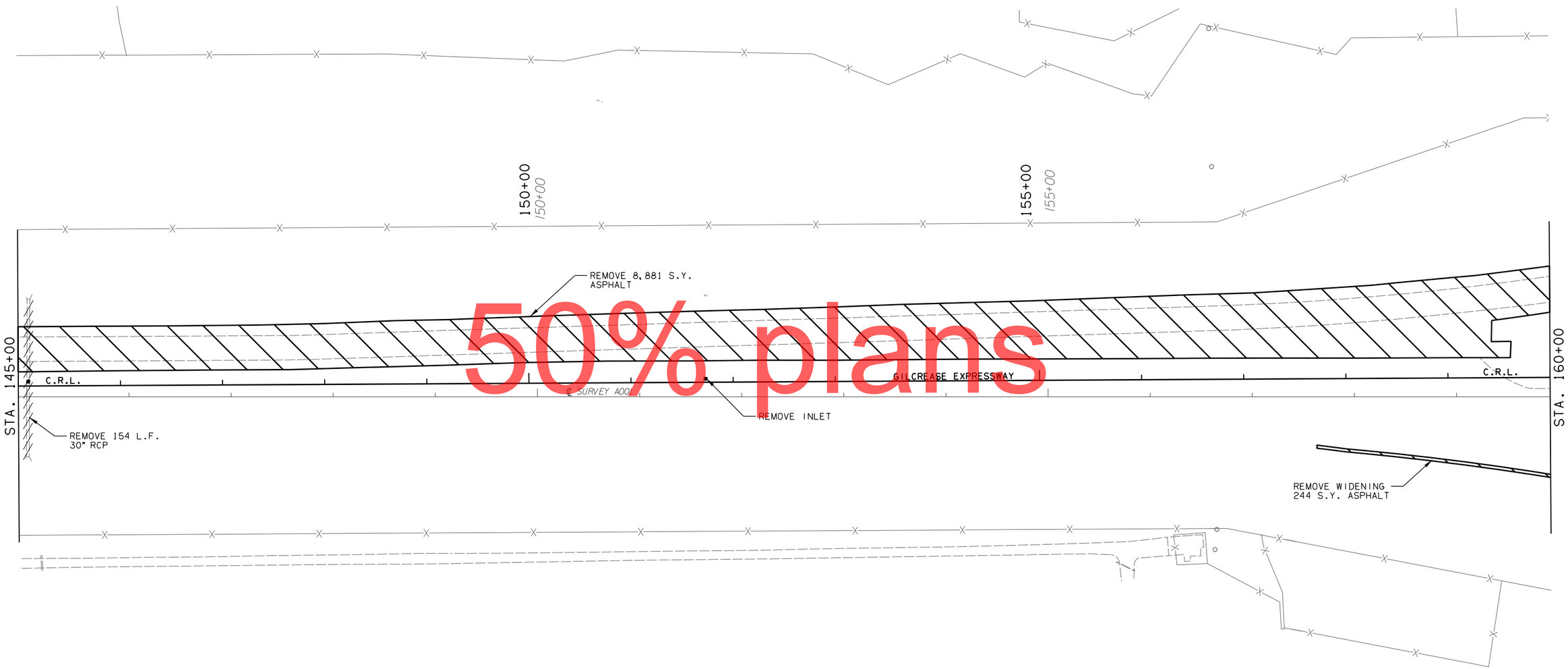
DESIGNED	HBV	10/17	CONTRACT NO. GCT-2500	
DETAILED	HBV	10/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R201

SEC 29 T19N R12E

0 50 100 150
SCALE

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017



50% plans

LEGEND

- REMOVE GUARDRAIL
- REMOVE CURB & GUTTER
- FENCE REMOVAL
- DRAINAGE STRUCTURE REMOVAL
- ASPHALT PAVEMENT REMOVAL
- CONCRETE PAVEMENT REMOVAL

SEC 29 T19N R12E

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

REMOVAL SHEET (SHEET 4 OF 29)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	HBV	10/17	CONTRACT NO. GCT-2500	
DETAILED	HBV	10/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R202

SEC 29 T19N R12E

SEC 20 T19N R12E

0 50 100 150

SCALE

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

50% plans

REMOVE 344 L.F. CURB & GUTTER

REMOVE 260 L.F. FENCE

REMOVE 117 L.F. CURB & GUTTER

REMOVE 283 L.F. CURB & GUTTER

S.57TH W. AVE.

REMOVE 143 L.F. CURB & GUTTER

REMOVE 24 L.F. 24" RCP

REMOVE 191 L.F. FENCE

W. 41ST ST. S.

REMOVE WIDENING 808 S.Y. ASPHALT

REMOVE 84 L.F. CURB & GUTTER

PC C.R.L. 172+00.00

PRES.R/W

160+00

REMOVE 15,506 S.Y. ASPHALT

165+00

165+00

REMOVE WIDENING 432 S.Y. ASPHALT

170+00

170+00

REMOVE 201 L.F. GUARDRAIL

REMOVE 198 L.F. GUARDRAIL

REMOVE 515 L.F. FENCE

REMOVE HEADWALL

STA. 160+00

C.R.L.

GILCREASE EXPRESSWAY

℄ SURVEY, A001

C.R.L.

STA. 175+00

REMOVE 72 L.F. DBL. 9'X3' RCB

REMOVE 25 L.F. 42" RCP

REMOVE HEADWALL

REMOVE 207 L.F. 36" RCP

REMOVE WIDENING 244 S.Y. ASPHALT

REMOVE 413 L.F. FENCE

S. 55TH W. AVE.

REMOVE 37 L.F. 24" RCP

REMOVE 455 L.F. FENCE

REMOVE 21 L.F. 24" RCP

REMOVE 242 L.F. FENCE

REMOVE 262 S.Y. CONCRETE

SEC 20 T19N R12E

REMOVE 17 L.F. 24" RCP

REMOVE 44 L.F. 24" RCP

REMOVE 234 S.Y. CONCRETE

REMOVE 397 L.F. FENCE

REMOVE 19 L.F. 24" RCP

REMOVE 228 S.Y. CONCRETE

LEGEND

- REMOVE GUARDRAIL
- REMOVE CURB & GUTTER
- FENCE REMOVAL
- DRAINAGE STRUCTURE REMOVAL
- ASPHALT PAVEMENT REMOVAL
- CONCRETE PAVEMENT REMOVAL

SEC 29 T19N R12E

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

REMOVAL SHEET (SHEET 5 OF 29)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	HBV	10/17	CONTRACT NO. GCT-2500	
DETAILED	HBV	10/17	DATE: 10/30/2017	SHEET NO. R203
CHECKED	NAB	10/17		

SEC 20 T19N R12E

0 50 100 150
SCALE

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

LEGEND

- REMOVE GUARDRAIL
- REMOVE CURB & GUTTER
- FENCE REMOVAL
- DRAINAGE STRUCTURE REMOVAL
- ASPHALT PAVEMENT REMOVAL
- CONCRETE PAVEMENT REMOVAL

50% plans

S. 57TH W. AVE.

W.39TH W. AVE.

S. 55TH W. AVE.

GILCREASE EXPRESSWAY

℄ SURVEY A001

REMOVE 801 L.F. FENCE
REMOVE 60 L.F. 24" RCP
REMOVE 56 L.F. 24" RCP
REMOVE 5,378 S.Y. ASPHALT
REMOVE 81 L.F. 24" RCP
REMOVE 108 L.F. FENCE
REMOVE 55 L.F. 10'X12' RCB
REMOVE 25 L.F. 24" RCP
REMOVE 20 L.F. 30" RCP
REMOVE 47 L.F. 18" RCP
REMOVE 743 L.F. FENCE
REMOVE 26 L.F. 24" RCP
REMOVE 106 L.F. 24" RCP
REMOVE 451 L.F. FENCE
REMOVE 30 L.F. 24" RCP
REMOVE 515 L.F. FENCE
REMOVE 204 L.F. FENCE
REMOVE 89 L.F. FENCE
REMOVE 102 L.F. FENCE
REMOVE 523 L.F. FENCE
REMOVE 167 L.F. FENCE
REMOVE 447 L.F. FENCE
REMOVE 126 L.F. FENCE
REMOVE 59 L.F. FENCE
REMOVE 58 L.F. FENCE
REMOVE 97 L.F. FENCE
REMOVE 91 L.F. 24" RCP
REMOVE 64 L.F. FENCE
REMOVE 38 L.F. 24" RCP
REMOVE 69 L.F. FENCE
REMOVE 139 L.F. FENCE
REMOVE 376 L.F. FENCE
REMOVE 527 S.Y. ASPHALT
REMOVE 149 L.F. FENCE

PI C.R.L. 176+50.95
PRC C.R.L. 181+01.79
PT C.R.L. 189+74.47
PI C.R.L. 184+88.17
STA. 175+00
STA. 180+00
STA. 185+00
STA. 190+00
C.R.L.
C-2

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

REMOVAL SHEET
(SHEET 6 OF 29)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	HBV	10/17	CONTRACT NO. GCT-2500	
DETAILED	HBV	10/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R204

SEC 20 T19N R12E

SEC 20 T19N R12E

0 50 100 150
SCALE

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

REMOVE 801 L.F. FENCE

REMOVE 33 L.F. 24" RCP

REMOVE 2,014 S.Y. ASPHALT

REMOVE 22 L.F. 24" RCP

190+00

195+00

200+00

205+00

REMOVE 108 L.F. FENCE

REMOVE 94 L.F. FENCE

REMOVE 574 L.F. FENCE

REMOVE 58 S.Y. ASPHALT

REMOVE 439 L.F. FENCE

REMOVE INLET

REMOVE 79 L.F. FENCE

STA. 190+00

C.R.L.

℄ SURVEY AQOI

GILCREASE EXPRESSWAY

C.R.L.

STA. 205+00

REMOVE 620 L.F. FENCE

REMOVE 122 L.F. FENCE

REMOVE 505 L.F. FENCE

REMOVE 14 L.F. FENCE

50% plans

LEGEND

- REMOVE GUARDRAIL
- REMOVE CURB & GUTTER
- FENCE REMOVAL
- DRAINAGE STRUCTURE REMOVAL
- ASPHALT PAVEMENT REMOVAL
- CONCRETE PAVEMENT REMOVAL

SEC 20 T19N R12E

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

REMOVAL SHEET
(SHEET 7 OF 29)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	HBV	10/17	CONTRACT NO. GCT-2500	
DETAILED	HBV	10/17	DATE: 10/30/2017	SHEET NO. R205
CHECKED	NAB	10/17		

SEC 20 T19N R12E

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

0 50 100 150
SCALE

REMOVE 565 L.F. FENCE

REMOVE 232 L.F. FENCE

REMOVE 132 L.F. FENCE

REMOVE 434 S.Y. ASPHALT

REMOVE 413 L.F. FENCE

REMOVE 131 L.F. FENCE

REMOVE 890 L.F. FENCE

STA. 205+00

205+00

210+00

210+00

215+00

215+00

STA. 220+00

C.R.L.

℄ SURVEY ADDI

GILCREASE EXPRESSWAY

C.R.L.

50% plans

LEGEND

- REMOVE GUARDRAIL
- REMOVE CURB & GUTTER
- FENCE REMOVAL
- DRAINAGE STRUCTURE REMOVAL
- ASPHALT PAVEMENT REMOVAL
- CONCRETE PAVEMENT REMOVAL

SEC 20 T19N R12E

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

REMOVAL SHEET
(SHEET 8 OF 29)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	HBV	10/17	CONTRACT NO. GCT-2500	
DETAILED	HBV	10/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R206

SEC 17 T19N R12E

SEC 20 T19N R12E

0 50 100 150
SCALE

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

50% plans

STA. 220+00

STA. 225+00

STA. 230+00

STA. 235+00

C.R.L.

GILCREASE EXPRESSWAY

℄ SURVEY A001

W. 31ST ST. S.

REMOVE 16 L.F. 18" RCP

REMOVE 17 L.F. 18" RCP

REMOVE INLET

REMOVE 506 L.F. FENCE

REMOVE 890 L.F. FENCE

REMOVE 289 L.F. FENCE

REMOVE 35 L.F. 18" RCP

REMOVE 606 L.F. FENCE

REMOVE INLET

REMOVE 25 L.F. FENCE

REMOVE 25 L.F. FENCE

REMOVE 217 L.F. FENCE

REMOVE 22 L.F. FENCE

REMOVE 30 L.F. FENCE

REMOVE 136 L.F. FENCE

REMOVE 22 L.F. FENCE

REMOVE 41 L.F. FENCE

REMOVE 762 L.F. FENCE

PI 2+08.08

LEGEND

- REMOVE GUARDRAIL
- REMOVE CURB & GUTTER
- FENCE REMOVAL
- DRAINAGE STRUCTURE REMOVAL
- ASPHALT PAVEMENT REMOVAL
- CONCRETE PAVEMENT REMOVAL

SEC 20 T19N R12E

SEC 17 T19N R12E

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

REMOVAL SHEET (SHEET 9 OF 29)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	HBV	10/17	CONTRACT NO. GCT-2500	
DETAILED	HBV	10/17	DATE: 10/30/2017	SHEET NO. R207
CHECKED	NAB	10/17		

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SEC 17 T19N R12E

0 50 100 150
SCALE

50% plans

STA. 235+00

4727.11'
N0°0'0.00"W

C.R.L.

REMOVE 428 L.F. FENCE

240+00
240+00

℄ SURVEY A001

GILCREASE EXPRESSWAY

245+00
245+00

C.R.L.

REMOVE 22 L.F. 24" RCP

REMOVE 15 L.F. 24" RCP

REMOVE 16 L.F. 24" RCP

REMOVE 21 L.F. 24" RCP

STA. 250+00

SEC 17 T19N R12E

LEGEND

- REMOVE GUARDRAIL
- REMOVE CURB & GUTTER
- FENCE REMOVAL
- DRAINAGE STRUCTURE REMOVAL
- ASPHALT PAVEMENT REMOVAL
- CONCRETE PAVEMENT REMOVAL

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

REMOVAL SHEET
(SHEET 10 OF 29)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	HBV	10/17	CONTRACT NO. GCT-2500	
DETAILED	HBV	10/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R208

SEC 17 T19N R12E

0 50 100 150
SCALE

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

50% plans

STA. 250+00

250+00

C.R.L.

REMOVE 20 L.F. 24"RCP
REMOVE 1,234 S.Y. ASPHALT
REMOVE 20 L.F. 24" RCP
REMOVE 20 L.F. 24" RCP
REMOVE 51 L.F. 24" RCP
REMOVE 22 L.F. 24" RCP
REMOVE 33 L.F. 24" RCP
REMOVE 24 L.F. 24" RCP
REMOVE 7 L.F. 24" RCP
REMOVE 22 L.F. 24" RCP
REMOVE 24 L.F. 24" RCP
REMOVE 30 L.F. 24" RCP
REMOVE 30 L.F. 24" RCP
REMOVE 21 L.F. 24" RCP
REMOVE 30 L.F. 24" RCP
REMOVE 23 L.F. 24" RCP
REMOVE 23 L.F. 24" RCP

255+00

REMOVE 16 L.F. 24" RCP
REMOVE 1,702 S.Y. ASPHALT
REMOVE 18 L.F. 24" RCP
REMOVE 16 L.F. 24" RCP
REMOVE 85 L.F. 24" RCP
REMOVE 16 L.F. 24" RCP
REMOVE 16 L.F. 24" RCP
REMOVE 28 L.F. 24" RCP
REMOVE 37 L.F. 24" RCP
REMOVE 18 L.F. 24" RCP
REMOVE 23 L.F. 24" RCP
REMOVE 18 L.F. 24" RCP
REMOVE 18 L.F. 24" RCP
REMOVE 20 L.F. 24" RCP
REMOVE 28 L.F. 24" RCP

℄ SURVEY ADDI

260+00

REMOVE 1,590 S.Y. ASPHALT
REMOVE 28 L.F. 24" RCP
REMOVE 17 L.F. 24" RCP
REMOVE 23 L.F. 24" RCP
REMOVE 24 L.F. 24" RCP
REMOVE 24 L.F. 24" RCP
REMOVE 31 L.F. 24" RCP
REMOVE 21 L.F. 24" RCP
REMOVE 31 L.F. 24" RCP
REMOVE 44 L.F. 24" RCP
REMOVE 53 L.F. 24" RCP
REMOVE 18 L.F. 24" RCP
REMOVE 23 L.F. 24" RCP
REMOVE 23 L.F. 24" RCP
REMOVE 31 L.F. 24" RCP
REMOVE 38 L.F. 24" RCP
REMOVE 23 L.F. 24" RCP
REMOVE 23 L.F. 24" RCP
REMOVE 24 L.F. 24" RCP
REMOVE 28 L.F. 24" RCP

GILCREASE EXPRESSWAY

C.R.L.

REMOVE 1,487 L.F. FENCE

STA. 265+00

LEGEND

- REMOVE GUARDRAIL
- REMOVE CURB & GUTTER
- FENCE REMOVAL
- DRAINAGE STRUCTURE REMOVAL
- ASPHALT PAVEMENT REMOVAL
- CONCRETE PAVEMENT REMOVAL

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

REMOVAL SHEET (SHEET 11 OF 29)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	HBV	10/17	CONTRACT NO. GCT-2500	
DETAILED	HBV	10/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R209

SEC 17 T19N R12E

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SEC 17 T19N R12E

SEC 8 T19N R12E

REMOVE 54 L.F. 24" RCP

REMOVE 98 L.F. FENCE

REMOVE 51 S.Y. ASPHALT

REMOVE 24 L.F. 24" RCP

REMOVE 207 S.Y. ASPHALT

REMOVE 1,487 L.F. FENCE

PT C.R.L. 268+89.07

270+00

PC C.R.L. 274+27.89

275+00

REMOVE 892 S.Y. ASPHALT

REMOVE 183 L.F. CURB & GUTTER

REMOVE 359 L.F. FENCE

STA. 265+00

C.R.L.

C-4

℄ SURVEY A001

GILCREASE EXPRESSWAY

C.R.L.

STA. 280+00

REMOVE 4,635 S.Y. ASPHALT

END CABLE BARRIER STA. 274+75.13

PC ℄ SURVEY A001 274+27.89

REMOVE 64 L.F. FENCE

REMOVE 94 L.F. FENCE

REMOVE 775 L.F. FENCE

50% plans

LEGEND

- REMOVE GUARDRAIL
- REMOVE CURB & GUTTER
- FENCE REMOVAL
- DRAINAGE STRUCTURE REMOVAL
- ASPHALT PAVEMENT REMOVAL
- CONCRETE PAVEMENT REMOVAL

0 50 100 150
SCALE

SEC 17 T19N R12E

SEC 8 T19N R12E

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

REMOVAL SHEET
(SHEET 12 OF 29)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	HBV	10/17	CONTRACT NO. GCT-2500	
DETAILED	HBV	10/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R210

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

0 50 100 150
SCALE

STA. 4280+00

REMOVE 103 L.F. FENCE

REMOVE 646 L.F. FENCE

SEC 8 T19N R12E

50% plans

285+00

290+00

PI C.R.L. 290+26.24

290+00

STA. 295+00

STA. 280+00

C.R.L.

GILCREASE EXPRESSWAY

℄ SURVEY A001

C.R.L.

REMOVE 101 L.F. FENCE

LEGEND

- REMOVE GUARDRAIL
- REMOVE CURB & GUTTER
- FENCE REMOVAL
- DRAINAGE STRUCTURE REMOVAL
- ASPHALT PAVEMENT REMOVAL
- CONCRETE PAVEMENT REMOVAL

SEC 8 T19N R12E

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

REMOVAL SHEET (SHEET 13 OF 29)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	HBV	10/17	CONTRACT NO. GCT-2500	
DETAILED	HBV	10/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R211

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

0 50 100 150
SCALE

PROPOSED R/W
10/30/2017

LEGEND
- REMOVE GUARDRAIL
- REMOVE CURB & GUTTER
- FENCE REMOVAL
- DRAINAGE STRUCTURE REMOVAL
- ASPHALT PAVEMENT REMOVAL
- CONCRETE PAVEMENT REMOVAL

SEC 8 T19N R12E



50% plans

SEC 8 T19N R12E

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

REMOVAL SHEET
(SHEET 14 OF 29)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

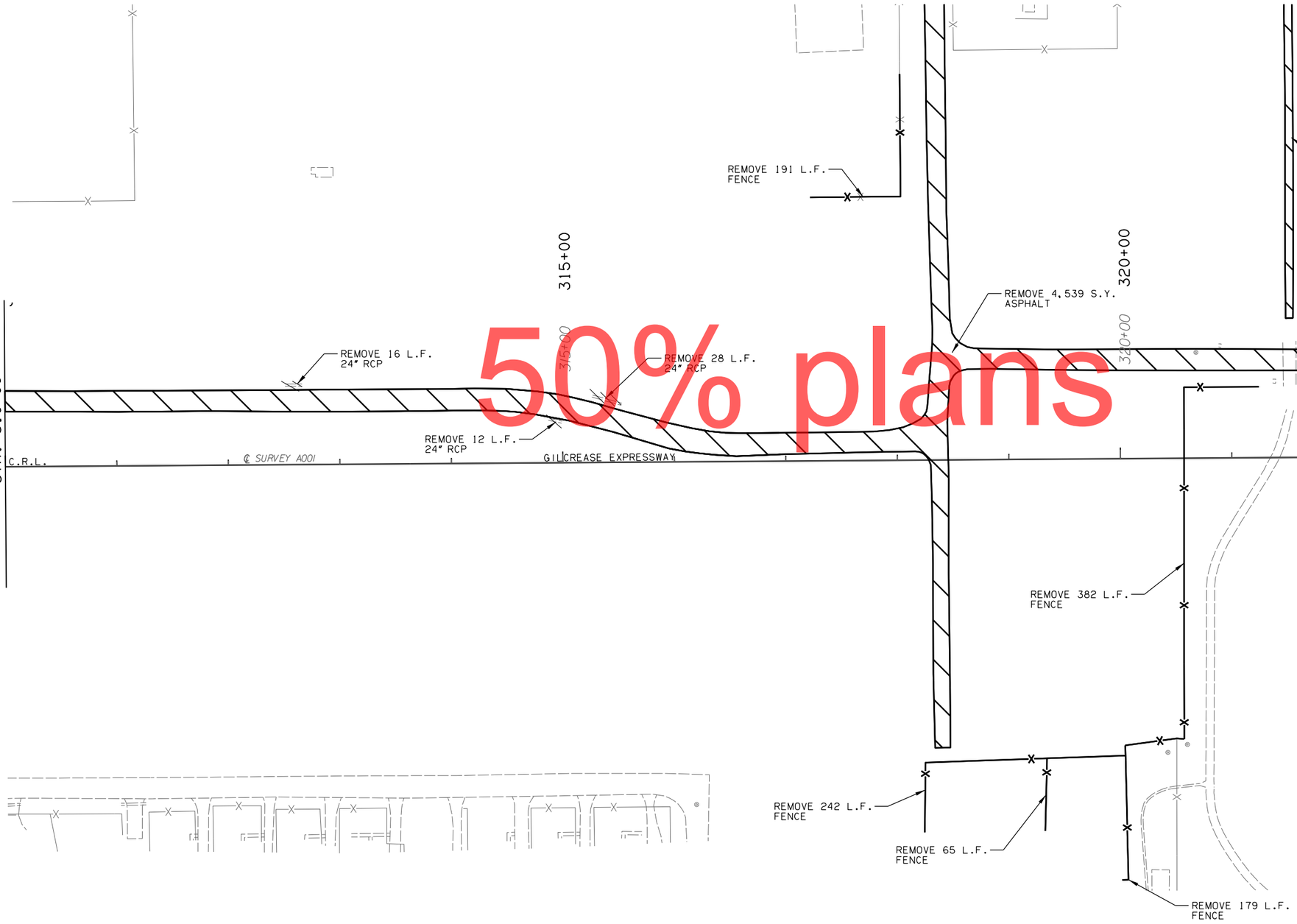
DESIGNED	HBV	10/17	CONTRACT NO. GCT-2500	
DETAILED	HBV	10/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R212

0 50 100 150
SCALE

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SEC 8 T19N R12E



50% plans

SEC 8 T19N R12E

LEGEND

- REMOVE GUARDRAIL
- REMOVE CURB & GUTTER
- FENCE REMOVAL
- DRAINAGE STRUCTURE REMOVAL
- ASPHALT PAVEMENT REMOVAL
- CONCRETE PAVEMENT REMOVAL

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

REMOVAL SHEET (SHEET 15 OF 29)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	HBV	10/17	CONTRACT NO. GCT-2500	
DETAILED	HBV	10/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R213

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

LEGEND

- REMOVE GUARDRAIL
- REMOVE CURB & GUTTER
- FENCE REMOVAL
- DRAINAGE STRUCTURE REMOVAL
- ASPHALT PAVEMENT REMOVAL
- CONCRETE PAVEMENT REMOVAL

0 50 100 150
SCALE

SEC 8 T19N R12E

SEC 5 T19N R12E

50% plans

STA. 325+00

STA. 330+00

335+00

335+00

STA. 340+00

REMOVE 2,015 S.Y. ASPHALT

REMOVE 1,881 S.Y. ASPHALT

C.R.L.

GILCREASE EXPRESSWAY

℄ SURVEY A001

C.R.L.

REMOVE 479 L.F. 18" RCP

REMOVE 242 L.F. FENCE

REMOVE 667 L.F. FENCE

SEC 8 T19N R12E

SEC 5 T19N R12E

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

REMOVAL SHEET
(SHEET 16 OF 29)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	HBV	10/17	CONTRACT NO. GCT-2500	
DETAILED	HBV	10/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R214

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

0 50 100 150
SCALE

SEC 5 T19N R12E

60+00

345+00 345+00

350+00 350+00

PC C.R.L.
351+26.21

65+00

STA. 340+00

C.R.L.

4514.78'
N00°24'57.17"W

GILCREASE EXPRESSWAY

℄ SURVEY A001

C.R.L.

STA. 355+00

REMOVE 4,831
L.F. FENCE

REMOVE 1,596 S.Y.
ASPHALT

REMOVE 1,401 S.Y.
ASPHALT

REMOVE 28 L.F.
18" RCP

REMOVE 33 L.F.
24" RCP

REMOVE 323 S.Y.
MILL & OVERLAY

50% plans

SEC 5 T19N R12E

LEGEND

- REMOVE GUARDRAIL
- REMOVE CURB & GUTTER
- FENCE REMOVAL
- DRAINAGE STRUCTURE REMOVAL
- ASPHALT PAVEMENT REMOVAL
- CONCRETE PAVEMENT REMOVAL

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

REMOVAL SHEET
(SHEET 17 OF 29)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	HBV	10/17	CONTRACT NO. GCT-2500	
DETAILED	HBV	10/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R215

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

0 50 100 150
SCALE

PROPOSED R/W
10/30/2017

SEC 5 T19N R12E

50% plans

STA. 355+00

C.R.L. ℄ SURVEY A001

C-6 GILCREASE EXPRESSWAY

C.R.L.

STA. 360+00

360+00

REMOVE 2,029 L.F. FENCE

365+00

365+00

PI C.R.L. 365+86.46

PI ℄ SURVEY A001 365+86.46

REMOVE 145 L.F. FENCE

STA. 370+00

REMOVE 3,076 L.F. FENCE

REMOVE 4,831 L.F. FENCE

SEC 5 T19N R12E

LEGEND

- REMOVE GUARDRAIL
- REMOVE CURB & GUTTER
- FENCE REMOVAL
- DRAINAGE STRUCTURE REMOVAL
- ASPHALT PAVEMENT REMOVAL
- CONCRETE PAVEMENT REMOVAL

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

REMOVAL SHEET
(SHEET 18 OF 29)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	HBV	10/17	CONTRACT NO. GCT-2500	
DETAILED	HBV	10/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R216

0 50 100 150
SCALE

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SEC 5 T19N R12E

SEC 31 T20N R12E

REMOVE 3,076 L.F. FENCE

STA. 370+00

375+00

380+00

C.R.L.

GILCREASE EXPRESSWAY

℄ SURVEY A001

PRC C.R.L. 380+42.77

PRC ℄ SURVEY A001 380+42.77

C.R.L. (BY OTHERS)

50% plans

LEGEND

- REMOVE GUARDRAIL
- REMOVE CURB & GUTTER
- FENCE REMOVAL
- DRAINAGE STRUCTURE REMOVAL
- ASPHALT PAVEMENT REMOVAL
- CONCRETE PAVEMENT REMOVAL

SEC 5 T19N R12E

SEC 31 T20N R12E

GILCREASE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

REMOVAL SHEET
(SHEET 19 OF 29)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	HBV	10/17	CONTRACT NO. GCT-2500	
DETAILED	HBV	10/17	DATE: 10/30/2017	SHEET NO. R217
CHECKED	NAB	10/17		

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SEC 5 T19N R12E

0 50 100 150
SCALE

SEC 6 T19N R12E

50% plans

PI KEYSTONE SURVEY 315+75.48

315+00

320+00

PT KEYSTONE SURVEY 321+01.24

WB OFF RAMP

REMOVE 167 L.F. FENCE

REMOVE 144 L.F. FENCE

REMOVE 483 L.F. FENCE

REMOVE INLET

REMOVE 33 L.F. FENCE

REMOVE 72 L.F. FENCE

REMOVE 269 L.F. 24" PIPE

REMOVE INLET

REMOVE 452 L.F. 24" PIPE

REMOVE INLET

REMOVE 828 L.F. FENCE

REMOVE 411 L.F. CURB & GUTTER

REMOVE INLET

REMOVE 662 L.F. 24" PIPE

REMOVE INLET

REMOVE 243 L.F. 24" PIPE

REMOVE INLET

REMOVE 434 L.F. 24" PIPE

REMOVE 215 L.F. 24" PIPE

REMOVE 2,842 S.Y. CONCRETE

REMOVE INLET

PC KEYSTONE SURVEY 326+93.58

REMOVE 444 L.F. CURB & GUTTER

REMOVE 683 L.F. CURB & GUTTER

MATCHLINE STA. 330+00 KEYSTONE MAINLINE

REMOVE 460 L.F. CURB & GUTTER

REMOVE 3,736 S.Y. CONCRETE

REMOVE 1,451 L.F. FENCE

SEC 6 T19N R12E

SEC 5 T19N R12E

LEGEND

- REMOVE GUARDRAIL
- REMOVE CURB & GUTTER
- FENCE REMOVAL
- DRAINAGE STRUCTURE REMOVAL
- ASPHALT PAVEMENT REMOVAL
- CONCRETE PAVEMENT REMOVAL

KEYSTONE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

REMOVAL SHEET (SHEET 20 OF 29)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	HBV	10/17	CONTRACT NO. GCT-2500	
DETAILED	HBV	10/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R218

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SEC 5 T19N R12E

0 50 100 150
SCALE

50% plans

MATCHLINE STA. 330+00.00 KEYSTONE MAINLINE

330+00

335+00

340+00

MATCHLINE STA. 345+00.00 KEYSTONE MAINLINE

REMOVE 828 L.F. FENCE

REMOVE HEADWALL

REMOVE 2,842 S.Y. CONCRETE

REMOVE 3,736 S.Y. CONCRETE

REMOVE HEADWALL

REMOVE 1,451 L.F. FENCE

REMOVE 4,851 L.F. FENCE

REMOVE 1,919 S.Y. ASPHALT

REMOVE 495 L.F. FENCE

SEC 5 T19N R12E

LEGEND

- REMOVE GUARDRAIL
- REMOVE CURB & GUTTER
- FENCE REMOVAL
- DRAINAGE STRUCTURE REMOVAL
- ASPHALT PAVEMENT REMOVAL
- CONCRETE PAVEMENT REMOVAL

KEYSTONE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

REMOVAL SHEET
(SHEET 21 OF 29)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	HBV	10/17	CONTRACT NO. GCT-2500	
DETAILED	HBV	10/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R219

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

0 50 100 150
SCALE

SEC 5 T19N R12E

REMOVE 3,076 L.F. FENCE

PI KEYSTONE SURVEY 357+33.7

REMOVE 895 L.F. FENCE

REMOVE 495 L.F. FENCE

50% plans

350+00

355+00

REMOVE 2,116 S.Y. ASPHALT

MATCHLINE STA. 345+00 KEYSTONE MAINLINE

MATCHLINE STA. 359+00 KEYSTONE MAINLINE

SEC 5 T19N R12E

REMOVE 4,831 L.F. FENCE

LEGEND

- REMOVE GUARDRAIL
- REMOVE CURB & GUTTER
- FENCE REMOVAL
- DRAINAGE STRUCTURE REMOVAL
- ASPHALT PAVEMENT REMOVAL
- CONCRETE PAVEMENT REMOVAL

KEYSTONE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

REMOVAL SHEET (SHEET 22 OF 29)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	HBV	10/17	CONTRACT NO. GCT-2500	
DETAILED	HBV	10/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R220

SEC 5 T19N R12E

SCALE 0 50 100 150

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

REMOVE 158 L.F. FENCE
REMOVE 895 L.F. FENCE
REMOVE 1,515 S.Y. ASPHALT
REMOVE 168 L.F. FENCE
REMOVE 410 L.F. FENCE
REMOVE 330 L.F. FENCE
REMOVE 99 L.F. FENCE
REMOVE 285 L.F. FENCE
REMOVE 472 L.F. FENCE
REMOVE 103 L.F. FENCE
REMOVE 171 L.F. FENCE
REMOVE 104 L.F. FENCE
REMOVE 263 L.F. FENCE
REMOVE 109 L.F. FENCE
REMOVE 319 L.F. FENCE
REMOVE 292 L.F. FENCE
REMOVE 433 L.F. CURB & GUTTER
REMOVE 3,261 S.Y. CONCRETE
REMOVE 177 L.F. CURB & GUTTER
MATCHLINE STA. 359+00 KEYSTONE MAINLINE
REMOVE 2,116 S.Y. ASPHALT
REMOVE HEADWALL
REMOVE 3,711 S.Y. CONCRETE
REMOVE 256 L.F. CURB & GUTTER
REMOVE 217 L.F. CURB & GUTTER
MATCHLINE STA. 373+00 KEYSTONE MAINLINE
REMOVE 4,831 L.F. FENCE
REMOVE 75 L.F. FENCE
REMOVE 34 L.F. FENCE
REMOVE 165 L.F. FENCE
REMOVE 283 L.F. FENCE
REMOVE 317 L.F. FENCE
REMOVE 110 L.F. FENCE
REMOVE 573 L.F. FENCE
REMOVE 775 L.F. FENCE
REMOVE 280 L.F. FENCE
REMOVE 40 L.F. FENCE
REMOVE 450 L.F. FENCE
REMOVE 58 L.F. FENCE
REMOVE 213 L.F. FENCE

SEC 5 T19N R12E

50% plans

LEGEND
- REMOVE GUARDRAIL
- REMOVE CURB & GUTTER
- FENCE REMOVAL
- DRAINAGE STRUCTURE REMOVAL
- ASPHALT PAVEMENT REMOVAL
- CONCRETE PAVEMENT REMOVAL

KEYSTONE EXPRESSWAY

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

REMOVAL SHEET (SHEET 23 OF 29)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	HBV	10/17	CONTRACT NO. GCT-2500	
DETAILED	HBV	10/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R221

SEC 5 T19N R12E

SEC 4 T19N R12E

0 50 100 150
SCALE

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

MATCHLINE STA. 373+00 KEYSTONE MAINLINE

REMOVE 193 L.F. FENCE
REMOVE 22 L.F. FENCE
REMOVE 59 L.F. FENCE
REMOVE 458 L.F. CURB & GUTTER
REMOVE 21 L.F. FENCE
REMOVE 39 L.F. FENCE
REMOVE INLET
REMOVE 292 L.F. FENCE
REMOVE 462 L.F. CURB & GUTTER
REMOVE INLET
REMOVE 3,261 S.Y. CONCRETE
REMOVE 137 L.F. CURB & GUTTER
375+00
380+00
385+00

REMOVE 3,711 S.Y. CONCRETE
REMOVE 511 L.F. CURB & GUTTER
REMOVE INLET
REMOVE 507 L.F. CURB & GUTTER
REMOVE 4,670 L.F. FENCE
REMOVE 213 L.F. FENCE

SEC 5 T19N R12E

SEC 4 T19N R12E

50% plans

LEGEND
- REMOVE GUARDRAIL
- REMOVE CURB & GUTTER
- FENCE REMOVAL
- DRAINAGE STRUCTURE REMOVAL
- ASPHALT PAVEMENT REMOVAL
- CONCRETE PAVEMENT REMOVAL

KEYSTONE EXPRESSWAY
OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

REMOVAL SHEET (SHEET 24 OF 29)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	HBV	10/17	CONTRACT NO. GCT-2500	
DETAILED	HBV	10/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R222

50% plans

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

0 50 100 150
SCALE

SEC 32 T19N R12E

REMOVE 565 S.Y. ASPHALT
REMOVE 182 L.F. FENCE
REMOVE 188 L.F. FENCE
REMOVE 676 L.F. FENCE
REMOVE 41 L.F. 24" RCP
REMOVE 40 L.F. 24" RCP
REMOVE 139 S.Y. CONCRETE
REMOVE 176 S.Y. CONCRETE
REMOVE 379 L.F. FENCE
REMOVE 4,705 S.Y. ASPHALT
REMOVE 24 L.F. 24" RCP
REMOVE 2,237 S.Y. ASPHALT
REMOVE SHOOFLY 3 76 S.Y. ASPHALT
REMOVE 725 L.F. FENCE
REMOVE WIDENING 232 TOTAL S.Y. ASPHALT
REMOVE SHOOFLY 3 1,410 S.Y. ASPHALT
REMOVE 584 L.F. FENCE
REMOVE 101 L.F. FENCE
REMOVE 75 L.F. FENCE
REMOVE 389 L.F. FENCE
REMOVE 25 L.F. FENCE
REMOVE 371 S.Y. ASPHALT
REMOVE 31 L.F. FENCE
REMOVE 581 L.F. FENCE
REMOVE 709 L.F. FENCE
REMOVE SHOOFLY 1 2,803 S.Y. ASPHALT

P.I. W. 51ST ST. 520+00.00

STA. 529+00

SEC 29 T19N R12E

LEGEND

- REMOVE GUARDRAIL
- REMOVE CURB & GUTTER
- FENCE REMOVAL
- DRAINAGE STRUCTURE REMOVAL
- ASPHALT PAVEMENT REMOVAL
- CONCRETE PAVEMENT REMOVAL

W. 51st ST.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

REMOVAL SHEET (SHEET 25 OF 29)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	HBV	10/17	CONTRACT NO. GCT-2500	
DETAILED	HBV	10/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R223

SEC 20 T19N R12E

SEC 29 T19N R12E

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

SCALE 0 50 100 150

REMOVE 515 L.F. FENCE

REMOVE 143 L.F. CURB & GUTTER

REMOVE 191 L.F. FENCE

REMOVE 575 L.F. 48" RCP

REMOVE 283 L.F. CURB & GUTTER

REMOVE 197 L.F. CURB & GUTTER

REMOVE 303 L.F. CURB & GUTTER

REMOVE MANHOLE

REMOVE HEADWALL

REMOVE 175 L.F. GUARDRAIL

REMOVE 201 L.F. GUARDRAIL

REMOVE HEADWALL

REMOVE 413 L.F. FENCE

REMOVE 84 L.F. CURB & GUTTER

REMOVE 25 L.F. 42" RCP

REMOVE 291 L.F. 48" RCP

REMOVE 21 L.F. CURB & GUTTER

REMOVE 124 L.F. CURB & GUTTER

REMOVE 28 L.F. CURB & GUTTER

REMOVE 56 L.F. CURB & GUTTER

REMOVE 28 L.F. CURB & GUTTER

REMOVE MANHOLE

REMOVE 127 L.F. 24" RCP

REMOVE HEADWALL

REMOVE 24 L.F. 42" RCP

REMOVE 40 L.F. FENCE

REMOVE 174 L.F. GUARDRAIL

REMOVE 117 L.F. CURB & GUTTER

REMOVE 344 L.F. CURB & GUTTER

REMOVE 260 L.F. FENCE

REMOVE 198 L.F. GUARDRAIL

REMOVE 72 L.F. DBL. 9'X3' RCB

REMOVE HEADWALL

REMOVE 15,506 S.Y. ASPHALT

10+00

15+00

20+00

165+00

STA. 415+00

50% plans

LEGEND

- REMOVE GUARDRAIL
- REMOVE CURB & GUTTER
- FENCE REMOVAL
- DRAINAGE STRUCTURE REMOVAL
- ASPHALT PAVEMENT REMOVAL
- CONCRETE PAVEMENT REMOVAL

W. 41ST ST. S.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

REMOVAL SHEET
(SHEET 26 OF 29)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	HBV	10/17	CONTRACT NO. GCT-2500	
DETAILED	HBV	10/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R224

SEC 29 T19N R12E

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

0 50 100 150
SCALE

STA. 415+00

25+00

REMOVE 242 L.F. FENCE
REMOVE 397 L.F. FENCE
REMOVE 21 L.F. 24" RCP
REMOVE 262 S.Y. CONCRETE
REMOVE 19 L.F. 24" RCP
REMOVE 229 S.Y. CONCRETE
REMOVE 25 L.F. 24" RCP
REMOVE 57 S.Y. CONCRETE
REMOVE 24 L.F. 24" RCP
REMOVE 19 L.F. 24" RCP
REMOVE 24 L.F. 24" RCP
REMOVE 16,359 S.Y. ASPHALT
REMOVE 17 L.F. 24" RCP
REMOVE 44 L.F. 24" RCP
REMOVE 234 S.Y. CONCRETE
REMOVE 37 L.F. 24" RCP
REMOVE 455 L.F. FENCE
REMOVE 134 L.F. FENCE
REMOVE 30 L.F. 24" RCP
REMOVE 29 L.F. 24" RCP
REMOVE 204 L.F. FENCE

50% plans

SEC 29 T19N R12E

LEGEND
- REMOVE GUARDRAIL
- REMOVE CURB & GUTTER
- FENCE REMOVAL
- DRAINAGE STRUCTURE REMOVAL
- ASPHALT PAVEMENT REMOVAL
- CONCRETE PAVEMENT REMOVAL

W. 41ST ST. S.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

REMOVAL SHEET (SHEET 27 OF 29)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	HBV	10/17	CONTRACT NO. GCT-2500	
DETAILED	HBV	10/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R225

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

LEGEND

- REMOVE GUARDRAIL
- REMOVE CURB & GUTTER
- FENCE REMOVAL
- DRAINAGE STRUCTURE REMOVAL
- ASPHALT PAVEMENT REMOVAL
- CONCRETE PAVEMENT REMOVAL

0 50 100 150
SCALE

50% plans

REMOVE 239 S.Y. CONCRETE
REMOVE 297 L.F. CURB & GUTTER
REMOVE 113 L.F. FENCE
REMOVE 205 L.F. CURB & GUTTER
REMOVE 362 L.F. CURB & GUTTER
REMOVE 86 S.Y. CONCRETE
REMOVE 61 L.F. CURB & GUTTER
REMOVE 12 S.Y. CONCRETE
REMOVE 123 S.Y. CONCRETE
REMOVE 36 L.F. CURB & GUTTER
REMOVE 183 L.F. CURB & GUTTER
REMOVE 892 S.Y. ASPHALT
REMOVE 4,635 S.Y. ASPHALT
REMOVE 359 L.F. FENCE

PC 21ST SURVEY 15+18.27
PT 21ST SURVEY 17+91.29
PI 21ST SURVEY 16+56.79
E-W61/ SECTION LINE
PC C.R.L. 274+27.89
15+00
20+00
25+00
27+00
STA. 221+00

SEC 8 T19N R12E

W. 21ST ST. S.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

REMOVAL SHEET (SHEET 28 OF 29)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	HBV	10/17	CONTRACT NO. GCT-2500		
DETAILED	HBV	10/17			
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO.	R226

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

0 50 100 150
SCALE

LEGEND

- REMOVE GUARDRAIL
- REMOVE CURB & GUTTER
- FENCE REMOVAL
- DRAINAGE STRUCTURE REMOVAL
- ASPHALT PAVEMENT REMOVAL
- CONCRETE PAVEMENT REMOVAL

50% plans

STA. 221+00

30+00

35+00

40+00

REMOVE 613 L.F. CURB & GUTTER

REMOVE 232 L.F. CURB & GUTTER

REMOVE 109 L.F. CURB & GUTTER

REMOVE 64 L.F. FENCE

REMOVE 94 L.F. FENCE

REMOVE 775 L.F. FENCE

REMOVE 746 L.F. CURB & GUTTER

REMOVE INLET

REMOVE 69 S.Y. ASPHALT

REMOVE 57 L.F. FENCE

REMOVE 4,635 S.Y. ASPHALT

SEC 8 T19N R12E

W. 21ST ST. S.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

REMOVAL SHEET
(SHEET 29 OF 29)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	HBV	10/17	CONTRACT NO. GCT-2500	
DETAILED	HBV	10/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R227

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

PHASE 1

W 51ST ST. INTERCHANGE

- TRAFFIC REMAINS ON EXISTING GILCREASE EXPRESSWAY (GE) AND EXISTING 51ST STREET.
- CONSTRUCT SHOOFLY 1, TEMP WIDENING 1, SHOOFLY 3 WITH 3' WIDENING, SHOOFLY 4, CROSSOVER 1, PROPOSED NB GE FROM STA. 119+00 TO STA. 128+00 AND STA. 133+00 TO STA. 150+00, FRONTAGE ROAD FROM STA. 12+55 TO STA. 25+25, PROPOSED NB OFF RAMP FROM STA. 2117+00 TO STA. 2120+92.42, AND NB ON RAMP FROM STA. 4120+43.99 TO STA. 4127+20.73.

W 41ST ST. INTERCHANGE

- CLOSE S 57TH AVE AND DETOUR TO S 65TH W AVE OR S 49TH W AVE.
- TRAFFIC UTILIZES EXISTING GE AND EXISTING 41ST ST.
- CONSTRUCT PROPOSED NB GE FROM STA. 150+00 TO STA. 168+70 AND STA. 171+40 TO STA. 215+00, PROPOSED SB GE FROM STA. 161+00 TO STA. 168+70 AND 171+40 TO STA. 215+00, PROPOSED 53RD AVE FROM STA. 100+00 TO STA. 107+00, PROPOSED S 57TH W AVE FROM STA. 58+95 TO STA. 78+00, TEMP WIDENING 4, PROPOSED 41ST SB OFF RAMP FROM STA. 3187+07.07 TO STA. 3205+00, AND PROPOSED NB ON RAMP FROM STA. 4171+10 TO STA. 4190+60.

W 31ST ST.

- TRAFFIC UTILIZES EXISTING W 31ST ST, AND RECEIVES DETOUR TRAFFIC FROM W 41ST ST.
- CONSTRUCT PROPOSED GE NB AND SB FROM STA. 215+00 TO STA. 221+76.67 AND FROM STA. 223+93.33 TO STA. 253+00.

W 21ST ST. INTERCHANGE

- CLOSE S 57TH W AVE AT 21ST ST.
- TRAFFIC UTILIZES EXISTING S 57TH W AVE WITH A DETOUR AROUND S 57TH W AVE. CONSTRUCTION TO S 65TH W AVE.
- CONSTRUCT PROPOSED GE NB AND SB FROM STA. 253+00 TO STA. 274+56.61, PROPOSED 21ST NB OFF RAMP FROM STA. 2254+00 TO STA. 2276+35.74, PROPOSED 21ST NB ON RAMP FROM STA. 3260+00.37 TO STA. 3272+53.89, AND PROPOSED S 57TH W AVE AT 21ST ST FROM STA. 58+18.84 TO STA. 62+50.00.
- REMOVE EXISTING S 57TH W AVE FOR REALIGNMENT.

KEYSTONE EXPRESSWAY INTERCHANGE

- TRAFFIC REMAINS ON EXISTING ROADWAYS.
- CONSTRUCT PROPOSED W EASTON ST, PROPOSED W 2ND ST, CROSSOVER 2, AND CROSSOVER 3.

TRAIL

- CONSTRUCT TRAIL AS ADJACENT ROADWAYS ARE CONSTRUCTED.

PHASE 2

W 51ST ST. INTERCHANGE

- TRAFFIC UTILIZES EXISTING GE, SHOOFLY 1, SHOOFLY 3 WITH 3' WIDENING, AND SHOOFLY 4. EAST/WEST MOVEMENTS ARE CONTROLLED BY SHOOFLY 1, AND NORTH/SOUTH MOVEMENTS ARE TAKEN THROUGH THE TEMPORARY INTERSECTION OF SHOOFLY 1 AND SHOOFLY 3.
- CONSTRUCT PROPOSED 51ST BRIDGE, PROPOSED EAST 51ST ST FROM STA. 527+00 TO STA. 546+52.86, TEMP WIDENING 2, PROPOSED NB GE FROM STA. 111+00 TO STA. 119+00, PROPOSED SB GE FROM STA. 112+00 TO STA. 128+50, PROPOSED NB OFF RAMP FROM STA. 2110+92.79 TO STA. 2117+00, PROPOSED NB ON RAMP FROM STA. 1112+20 TO STA. 1122+00, TEMPORARY SUPER TRANSITION TO EXISTING FROM STA. 128+00 TO STA. 129+00.

W 41ST ST. INTERCHANGE

- CLOSE EXISTING EAST PORTION OF 41ST ST.
- DETOUR 41ST TRAFFIC ON S. 49TH W AVE, W. 31ST ST, AND S. 57TH W AVE.
- TRAFFIC UTILIZES EXISTING GE, S 53RD W AVE, PROPOSED S 57TH W AVE AT 41ST, TEMP WIDENING 4, AND EXISTING 41ST ST (WEST OF BRIDGES). EAST/WEST TRAFFIC UTILIZES THE DETOUR ON S 49TH W AVE AND S 57TH W AVE. NORTH/SOUTH MOVEMENTS WILL USE EXISTING GE, PROPOSED S 57TH W AVE, AND TEMP WIDENING 4.
- CONSTRUCT GE BRIDGES OVER W 41ST ST, PROPOSED NB OFF RAMP FROM STA. 215772.46 TO STA. 2170+18.22 WITH 3' WIDENING, PROPOSED NB ON RAMP FROM STA. 4169+97.60 TO STA. 4171+10, TEMP WIDENING 3, AND PROPOSED 41ST ST (EAST OF BRIDGES) FROM STA. 412+07.50 TO STA. 422+35.

W 31ST ST.

- TRAFFIC UTILIZES EXISTING W 31ST ST, AND RECEIVES DETOUR TRAFFIC FROM W 21ST ST.

W 21ST ST. INTERCHANGE

- CLOSE W 21ST ST WITH DETOUR TO 31ST ST FOR BRIDGE CONSTRUCTION.
- TRAFFIC UTILIZES S 57TH W AVE. EAST/WEST TRAFFIC DETOUR ON W 31ST ST, S 65TH W AVE, AND S 49TH W AVE.
- CONSTRUCT PROPOSED W 21ST ST BRIDGES, PROPOSED GE NB AND SB FROM STA. 277+50 TO STA. 310+00, PROPOSED 21ST SB ON RAMP FROM STA. 1275+45.72 TO STA. 1289+74.43, AND PROPOSED 21ST SB OFF RAMP FROM STA. 4275+15.71 TO STA. 4292+14.96.

KEYSTONE EXPRESSWAY INTERCHANGE

- CLOSE W 4TH ST, AND S 59TH W AVE.
- TRAFFIC ON W 4TH ST AND S 59TH W AVE MUST DETOUR SOUTH TO CHARLES PAGE BLVD TO GO EAST.
- CONSTRUCT PROPOSED GE NB AND SB FROM STA. 274+56.61 TO STA. 327+66.48, FROM STA. 331+55.33 TO STA. 349+46.05, FROM STA. 354+91.99 TO STA. 359+37.24, AND FROM STA. 364+53.21 TO STA. 372+50, PROPOSED KATY JOGGING TRAIL BRIDGE, PROPOSED NORTH C-D ROAD ALONG SAND SPRINGS EXPRESSWAY FROM STA. 6337+08.90 TO STA. 6373+90.23, AND PROPOSED SOUTH C-D ROAD ALONG SAND SPRINGS EXPRESSWAY FROM STA. 5336+13.84 TO STA. 5370+29.27.

TRAIL

- CONSTRUCT TRAIL AS ADJACENT ROADWAYS ARE CONSTRUCTED.

PHASE 3

W 51ST ST. INTERCHANGE

- TRAFFIC UTILIZES SHOOFLY 1, SHOOFLY 3, SHOOFLY 4, AND CROSSOVER 1. EAST/WEST MOVEMENTS ARE ON PROPOSED 51ST TO THE EAST AND EXISTING 51ST ST TO THE WEST CONNECTED BY TEMP WIDENING 2. NORTH/SOUTH MOVEMENTS ARE ON THE WEST PORTION OF SHOOFLY 1 TO THE TEMPORARY INTERSECTION AT 51ST ST, SHOOFLY 3 WITH 3' WIDENING, AND NB TRAFFIC IS MOVED TO THE SB SIDE USING CROSSOVER 1.
- CONSTRUCT PROPOSED NB GE FROM STA. 99+00 TO STA. 111+00, AND SHOOFLY 2.
- REMOVE EAST PORTION OF SHOOFLY 1 FROM STA. 114+50 TO STA. 123+05.

W 41ST ST. INTERCHANGE

- CLOSE S 57TH W AVE AND DETOUR TO S 65TH W AVE OR S 49TH W AVE.
- TRAFFIC UTILIZES EXISTING GE, PROPOSED W 41ST ST (EAST OF BRIDGES), TEMP WIDENING 3, AND EXISTING SOUTH SIDE OF 41ST ST (WEST OF BRIDGES). EAST/WEST MOVEMENTS RUN ALONG SOUTH SIDE OF W 41ST ST ON TEMP WIDENING 3 AND CONSTRUCTED W 41ST ST. NORTH/SOUTH TRAFFIC MUST DETOUR AROUND S 57TH W AVE CONSTRUCTION.
- CONSTRUCT PROPOSED S 57TH W AVE FROM STA. 57+00 TO STA. 58+95, AND PROPOSED NORTH SIDE OF 41ST ST (WEST OF BRIDGES) FROM STA. 400+00 TO STA. 412+07.50.
- REMOVE TEMP WIDENING 4.

W 31ST ST.

W 21ST ST. INTERCHANGE

- CLOSE W 21ST PL.
- TRAFFIC REMAINS ON OUTSIDE LANES OF W 21ST ST, AND DETOUR AROUND W 21ST PL.
- CONSTRUCT ISLAND OBLITERATION ALONG W 21ST ST AND W 21ST PL TO FINAL SURFACE AND ISLAND LOCATION.

KEYSTONE EXPRESSWAY INTERCHANGE

- CLOSE N 49TH W AVE EB OFF RAMP, N 49TH W AVE WB ON RAMP, N 65TH W AVE EB ON RAMP, AND N 65TH W AVE WB OFF RAMP.
- TRAFFIC THAT WOULD USE THE CLOSED RAMPS WILL DETOUR NORTH TO W EDISON ST OR SOUTH TO CHARLES PAGE BLVD TO ENTER OR EXIT SAND SPRINGS EXPRESSWAY.
- CONSTRUCT PROPOSED NORTH C-D ROAD ALONG SAND SPRINGS EXPRESSWAY FROM STA. 6327+71.60 TO STA. 6337+08.90 AND FROM STA. 6367+16.23 TO STA. 6376+50.70, PROPOSED SOUTH C-D ROAD ALONG SAND SPRINGS EXPRESSWAY FROM STA. 5322+13.68 TO STA. 5336+13.84 AND FROM STA. 5363+21.35 TO STA. 5371+68.71, PROPOSED 65TH RAMP A FROM STA. 1324+58.25 TO STA. 1337+10.82, PROPOSED 65TH RAMP B FROM STA. 2320+44.63 TO STA. 2336+12.37, PROPOSED 49TH RAMP C FROM STA. 3370+00 TO STA. 3377+15.98, AND PROPOSED 49TH RAMP D FROM STA. 4374+00 TO STA. 4379+66.77.
- REMOVE EXISTING REPLACED RAMPS.

TRAIL

- CONSTRUCT TRAIL AS ADJACENT ROADWAYS ARE CONSTRUCTED.

PHASE 4

W 51ST ST. INTERCHANGE

- TRAFFIC UTILIZES SHOOFLY 1, SHOOFLY 3, PROPOSED 51ST FRONTAGE ROAD, AND CROSSOVER 1. EAST/WEST MOVEMENTS ARE ON PROPOSED 51ST TO THE EAST AND EXISTING 51ST ST TO THE WEST CONNECTED BY TEMP WIDENING 2. NORTH/SOUTH MOVEMENTS ARE ON THE WEST PORTION SHOOFLY 1, SHOOFLY 2, SHOOFLY 3 WITH 3' WIDENING, AND NB TRAFFIC IS MOVED TO THE SB SIDE USING CROSSOVER 1.
- CONSTRUCT PROPOSED NB GE FROM STA. 128+00 TO STA. 133+00.
- REMOVE SHOOFLY 4.

W 41ST ST. INTERCHANGE

W 31ST ST.

W 21ST ST. INTERCHANGE

- TRAFFIC MOVES AS NECESSARY FOR RESTRIPING.
- CONSTRUCT PROPOSED STRIPING ON W 21ST ST AND W 21ST PL.

KEYSTONE EXPRESSWAY INTERCHANGE

- CLOSE CONSTRUCTED W 2ND ST.
- TRAFFIC WILL UTILIZE CONSTRUCTED NORTH AND SOUTH CD ROADS AND RAMPS WITH NO ACCESS TO GE AND SAND SPRINGS EXPRESSWAY TRAFFIC WILL UTILIZE CROSSOVER 2 AND CROSSOVER 3 IN EITHER DIRECTION DEPENDING ON BRIDGE PROGRESS.
- CONSTRUCT PROPOSED 2ND ST BRIDGES AND SAND SPRINGS EXPRESSWAY BRIDGES.

TRAIL

- CONSTRUCT TRAIL AS ADJACENT ROADWAYS ARE CONSTRUCTED.

PHASE 5

W 51ST ST. INTERCHANGE

- TRAFFIC UTILIZES PERMANENT TWO WAY NB GE, SHOOFLY 2, TEMP WIDENING 1, AND CROSSOVER 1. EAST/WEST MOVEMENTS USE THE SHOOFLY 2, PROPOSED W 51ST ST, AND TEMP WIDENING 1. NORTH/SOUTH MOVEMENTS ARE ON TWO WAY CONSTRUCTED NB GE, AND SB TRAFFIC MOVES FROM NB TO SB SIDE OF EXISTING GE ON CROSSOVER 1.
- CONSTRUCT PROPOSED SB GE FROM STA. 102+00 TO STA. 112+00 AND FROM STA. 128+00 TO STA. 150+00, PROPOSED W 51ST ST NORTH FROM STA. 515+25 TO STA. 527+00, PROPOSED SB OFF RAMP FROM STA. 3117+00.78 TO STA. 3136+00.00, AND PROPOSED SB ON RAMP FROM STA. 1122+00 TO STA. 1125+51.10.
- REMOVE THE REST OF SHOOFLY 1 AND SHOOFLY 3 WITH 3' WIDENING.

W 41ST ST. INTERCHANGE

- TRAFFIC UTILIZES PROPOSED TWO WAY NB GE, PROPOSED TWO WAY NB OFF RAMP WITH 3' WIDENING, PROPOSED W 41ST ST (EAST OF BRIDGES), PROPOSED NORTH SIDE OF W 41ST ST (WEST OF BRIDGES), AND PROPOSED S 57TH W AVE. EAST/WEST MOVEMENTS RUN ON CONSTRUCTED NORTH PORTION OF W 41ST. NORTH/SOUTH MOVEMENTS RUN FROM CONSTRUCTED NB OFF RAMP WITH 3' WIDENING, AND CONSTRUCTED S 57TH W AVE.
- CONSTRUCT PROPOSED SB GE FROM STA. 150+00 TO STA. 161+00, PROPOSED SB ON RAMP FROM STA. 1151+20 TO STA. 1170+15.94, AND PROPOSED SOUTH PORTION OF W 41ST ST FROM STA. 400+00 TO STA. 412+07.50.
- REMOVE TEMP WIDENING 3.

W 31ST ST.

- CLOSE W 31ST ST.
- TRAFFIC WILL DETOUR ON S 57TH W AVE AND S 49TH W AVE TO EITHER W 21ST ST OR W 41ST ST.
- CONSTRUCT 31ST ST BRIDGES.

W 21ST ST. INTERCHANGE

KEYSTONE EXPRESSWAY INTERCHANGE

CLOSE CHARLES PAGE BLVD AND W 7TH ST.

- TRAFFIC WILL DETOUR THROUGH N 49TH W AVE, N 65TH W AVE, W 2ND ST, S 57TH W AVE AND NORTH/SOUTH C-D ROADS.
- CONSTRUCT CHARLES PAGE BRIDGES.
- REMOVE CROSSOVER 2 AND CROSSOVER 3.

TRAIL

- CONSTRUCT TRAIL AS ADJACENT ROADWAYS ARE CONSTRUCTED.

PHASE 6

W 51ST ST. INTERCHANGE

- TRAFFIC UTILIZES PROPOSED GE DESIGN.
- CONSTRUCT W 51ST ST SOUTH FROM STA. 515+25 TO STA. 527+00.
- REMOVE TEMP WIDENING 1, TEMP WIDENING 2, SHOOFLY 2, AND CROSSOVER 1.

W 41ST ST. INTERCHANGE

- REMOVE 3' WIDENING ON NB OFF RAMP.

W 31ST ST.

W 21ST ST. INTERCHANGE

KEYSTONE EXPRESSWAY INTERCHANGE

TRAIL

- CONSTRUCT TRAIL AS ADJACENT ROADWAYS ARE CONSTRUCTED.

50% plans

LEGEND

- PHASE 1
- PHASE 2
- PHASE 3
- PHASE 4
- PHASE 5
- PHASE 6

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

SUGGESTED CONSTRUCTION SEQUENCE OVERVIEW (SHEET 1 OF 6)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

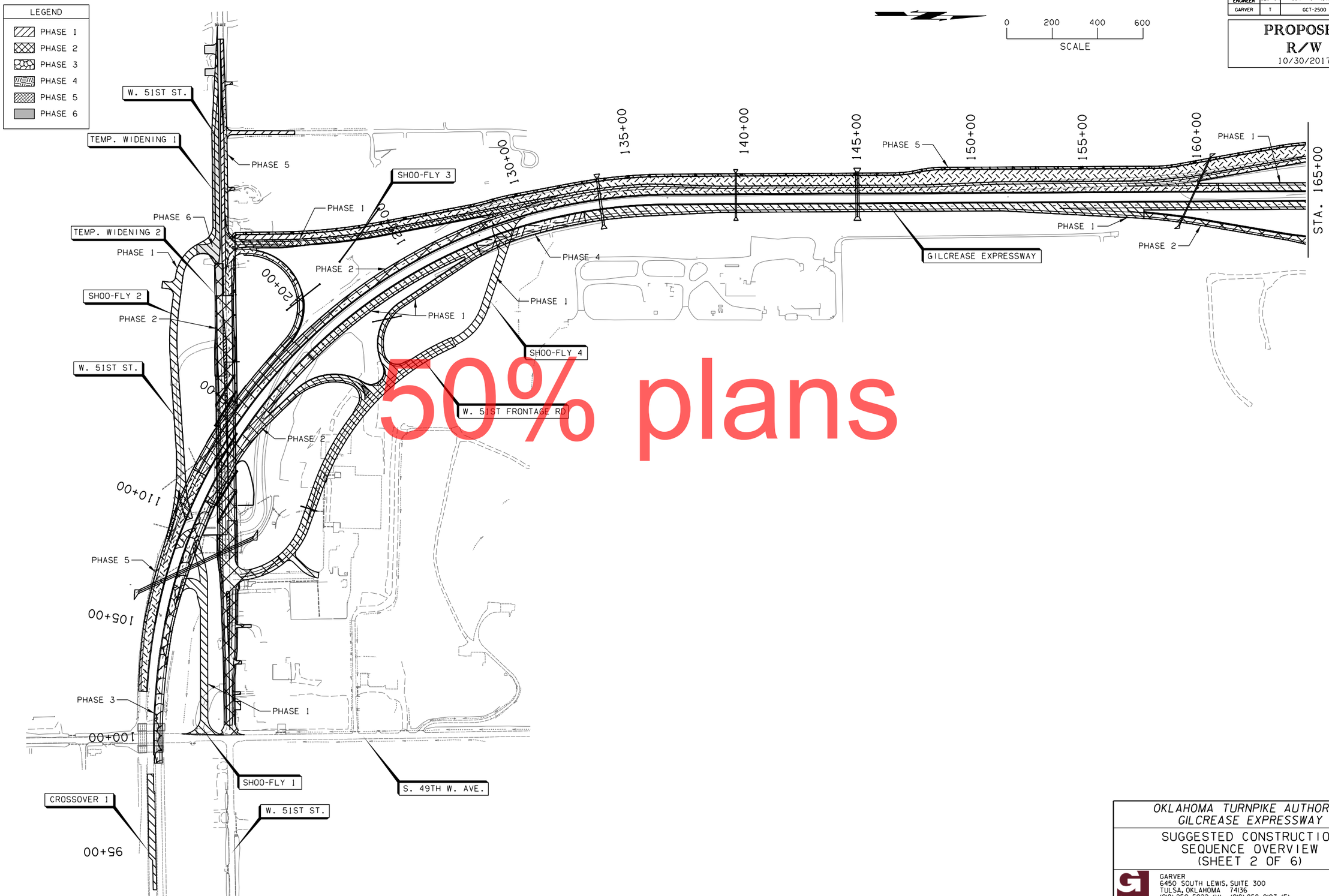
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DETAILED	BWH	9/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R228

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

LEGEND
- PHASE 1
- PHASE 2
- PHASE 3
- PHASE 4
- PHASE 5
- PHASE 6

0 200 400 600
SCALE



50% plans

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

SUGGESTED CONSTRUCTION SEQUENCE OVERVIEW (SHEET 2 OF 6)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

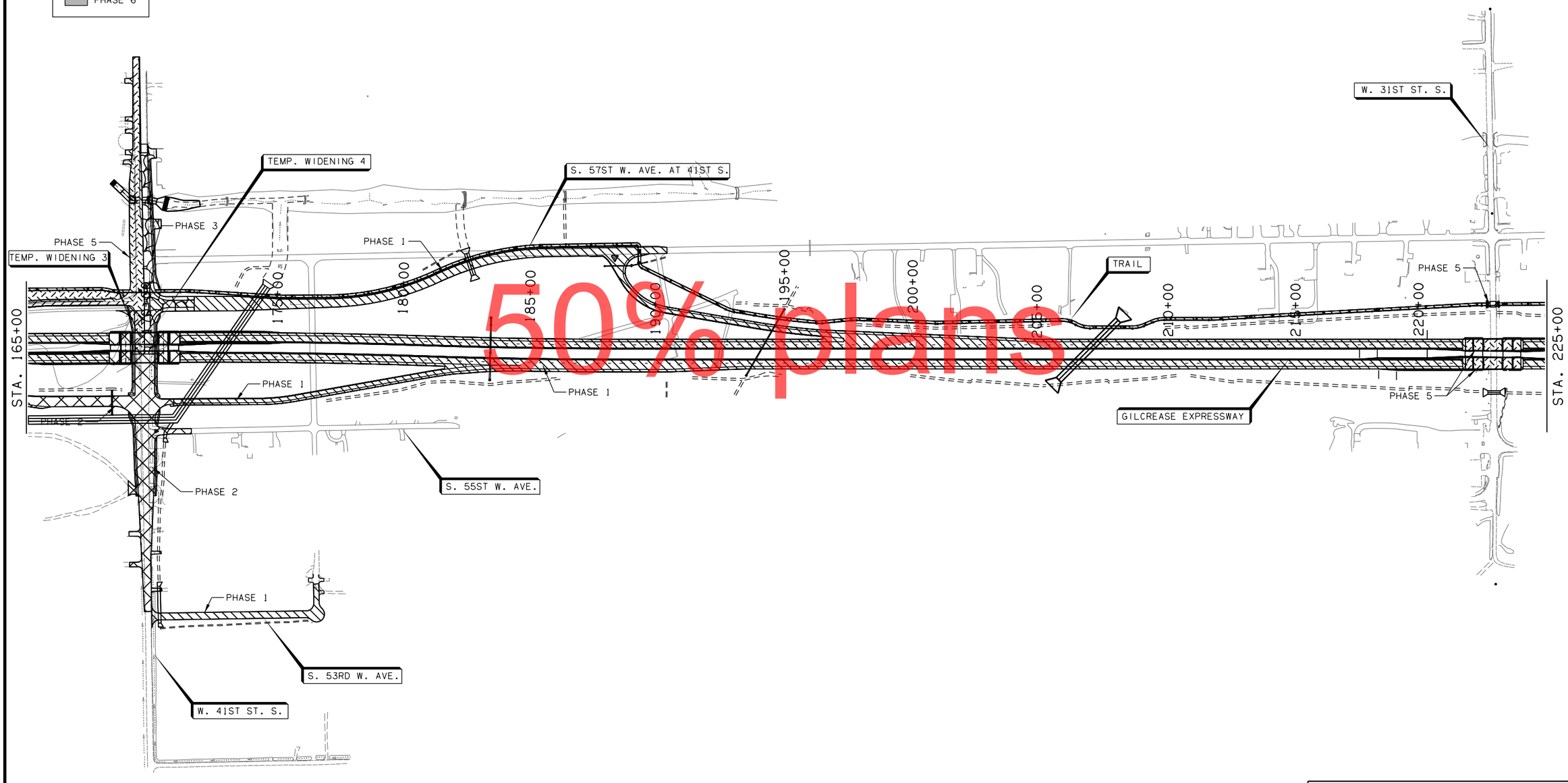
DESIGNED	HBV	9/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	9/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R229

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

LEGEND
- PHASE 1
- PHASE 2
- PHASE 3
- PHASE 4
- PHASE 5
- PHASE 6

0 200 400 600
SCALE



50% plans

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

SUGGESTED CONSTRUCTION SEQUENCE OVERVIEW (SHEET 3 OF 6)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	HBV	9/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	9/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R230

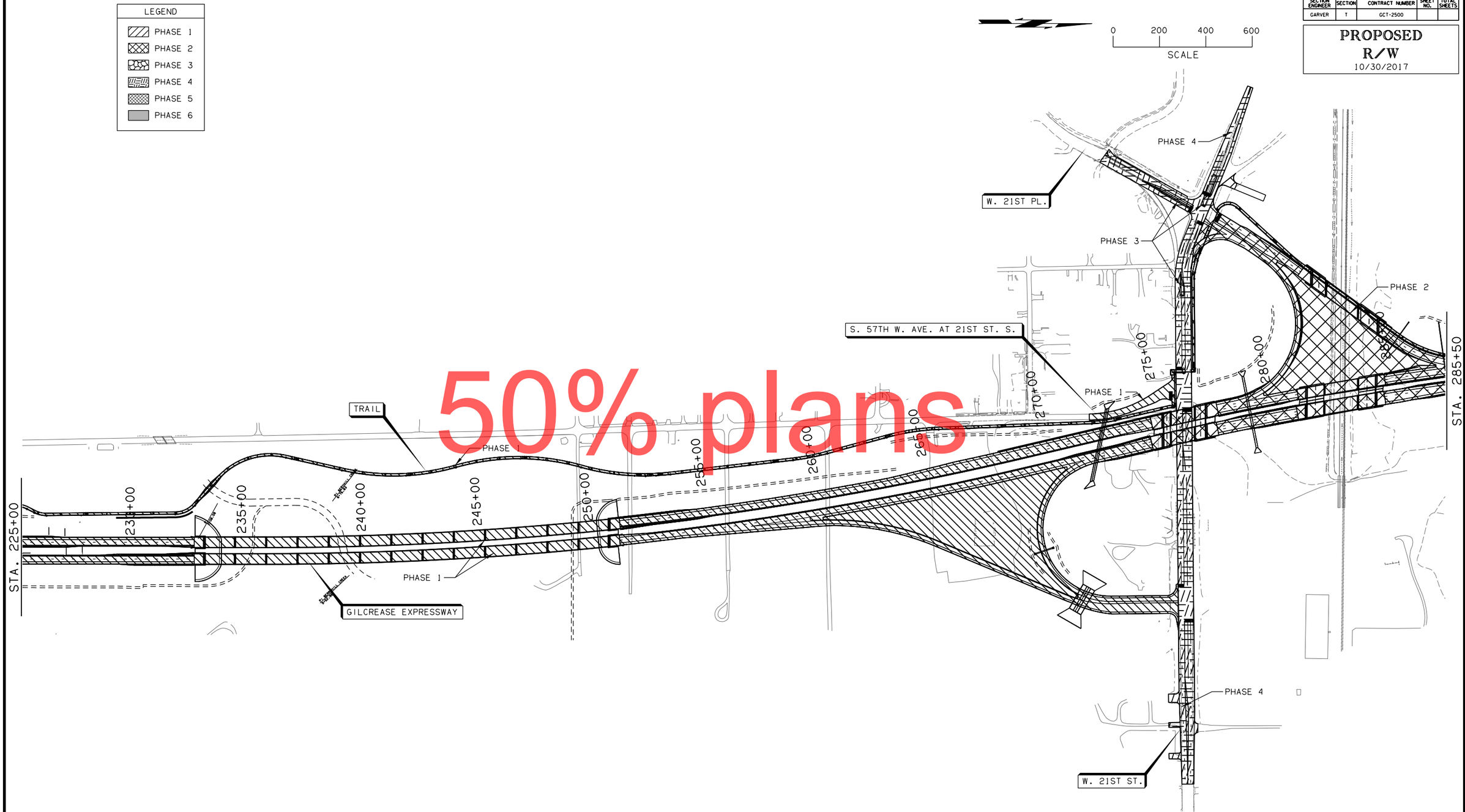
OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

LEGEND
- PHASE 1
- PHASE 2
- PHASE 3
- PHASE 4
- PHASE 5
- PHASE 6

0 200 400 600
SCALE

50% plans



OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

SUGGESTED CONSTRUCTION SEQUENCE OVERVIEW (SHEET 4 OF 6)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

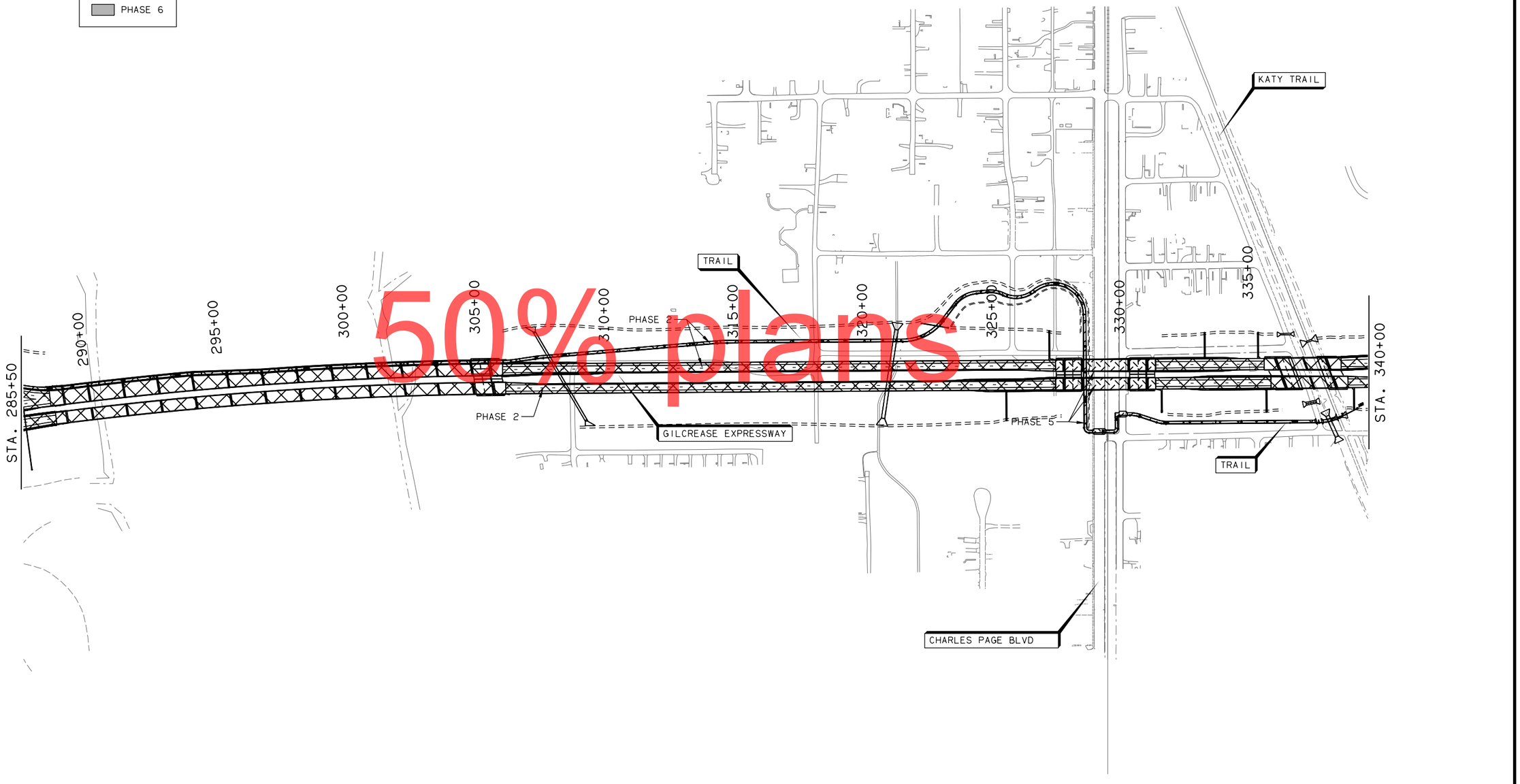
DESIGNED	HBV	9/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	9/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R231

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

LEGEND
- PHASE 1
- PHASE 2
- PHASE 3
- PHASE 4
- PHASE 5
- PHASE 6

0 200 400 600
SCALE



50% plans

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

SUGGESTED CONSTRUCTION SEQUENCE OVERVIEW (SHEET 5 OF 6)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

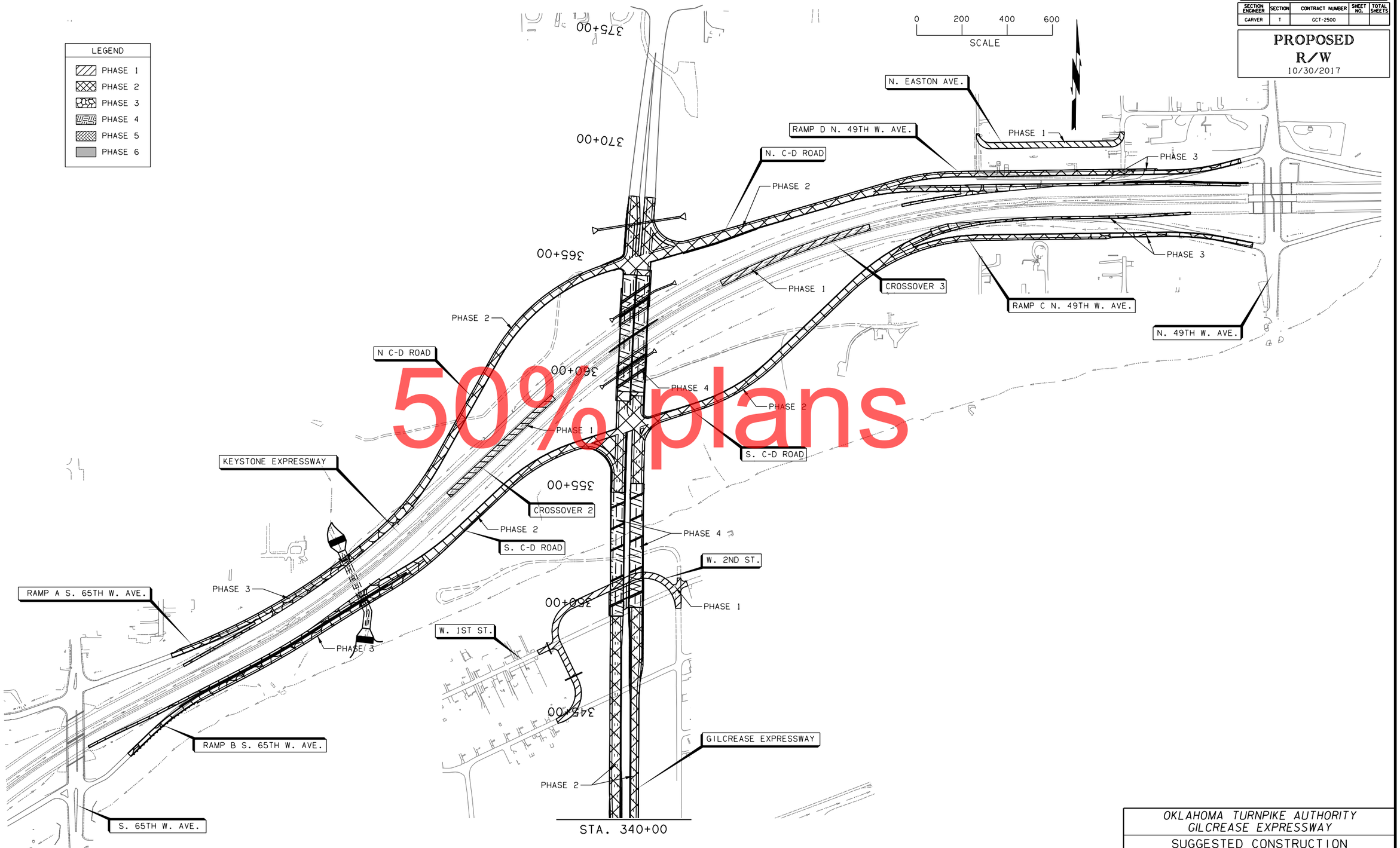
DESIGNED	HBV	9/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	9/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R232

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

LEGEND
- PHASE 1
- PHASE 2
- PHASE 3
- PHASE 4
- PHASE 5
- PHASE 6

0 200 400 600
SCALE



50% plans

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

SUGGESTED CONSTRUCTION SEQUENCE OVERVIEW (SHEET 6 OF 6)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	HBV	9/17	CONTRACT NO. GCT-2500	
DETAILED	BWH	9/17		
CHECKED	NAB	10/17	DATE: 10/30/2017	SHEET NO. R233

LIGHTING, POWER, AND SYSTEM LEGEND

OR	NON-FUSED DISCONNECT SWITCH, SIZE AS NOTED
OR	FUSED DISCONNECT SWITCH, SIZE AS NOTED
	20 AMP SINGLE RECEPTACLE, TYPE, MOUNTING HEIGHT AND RATINGS AS NOTED, "C" INDICATES CLOCK HANGER RECEPTACLE MTD. 12" BELOW CEILING UNLESS NOTED OTHERWISE
	20 AMP DUPLEX RECEPTACLE, MTD. 18" AFF, WITH #12 GROUND WIRE, "GFCI" INDICATES GROUND FAULT CIRCUIT INTERRUPTER, "WP" INDICATES WEATHERPROOF WHILE-IN-USE ENCLOSURE AND COVER, "TR" INDICATES TAMPER-RESISTANT DEVICE, BOX INDICATES FLOOR OUTLET WITH RECESSED CAST JUNCTION BOX
	ELECTRICAL PANEL OR EQUIPMENT CABINET, SURFACE MOUNTED, 5'-6" TO TOP OF ENCLOSURE
	ELECTRICAL PANEL OR EQUIPMENT CABINET, RECESSED MOUNTED, 5'-6" TO TOP OF ENCLOSURE
	HOME RUN TO PANEL IN DEDICATED CONDUIT, RECEPTACLES AND EQUIPMENT SHALL HAVE DEDICATED GREEN GROUND WIRE. NUMBER OF ARROWS INDICATES NUMBER OF PHASE CONDUCTORS, LETTER(S) INDICATE NAME OF PANEL, NUMBER(S) INDICATE CIRCUIT NUMBERS
	BRANCH CIRCUIT WITH PHASE, NEUTRAL, SWITCHED PHASE AND EQUIPMENT GROUNDING CONDUCTORS
	GROUND
OR OR	3/4" x 10' COPPER CLAD GROUND ROD
	JUNCTION BOX, 42 CUBIC INCH MINIMUM CAPACITY
#	# INDICATES KEYED NOTE NUMBER
	NEW TRENCHED CONDUIT
	NEW EXPOSED CONDUIT

T T1	TRANSFORMER, IDENTIFIER SHOWN, REFER TO SCHEDULE FOR SIZE
	TRANSFORMER, RATINGS AS SHOWN
H H1	HANDHOLE, IDENTIFIER SHOWN, REFER TO HANDHOLE SCHEDULE FOR SIZE
20A/3P	CIRCUIT BREAKER, TRIP RATING SHOWN, 3-POLE UNLESS NOTED OTHERWISE
20A	FUSE, CURRENT LIMITING, AMPERE RATING AS SHOWN OR REQUIRED, "BFI" INDICATES "BLOWN FUSE INDICATOR" TYPE
DI	DUCT BANK, IDENTIFIER SHOWN, REFER TO DUCT BANK SCHEDULE FOR SIZE AND CONFIGURATION
SPD	SURGE PROTECTIVE DEVICE WITH INDICATING LIGHTS
	WEATHERHEAD
	CABLE CONNECTION
	DEFLECTION AND EXPANSION CONDUIT FITTING
	NEW SINGLE-HEAD ROADWAY LIGHTING FIXTURE ON POLE, # INDICATES FIXTURE NUMBER
	WALL PACK LIGHTING FIXTURE, # INDICATES FIXTURE NUMBER
PB	PULL BOX

50% plans

ABBREVIATIONS

PH	PHASE
@	AT
#	NUMBER
A	AMP
ABC	ABOVE COUNTER
ACS	ACCESS CONTROL SYSTEM
ACU	AIR CONDITIONING UNIT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AMPS INTERRUPTING CAPACITY
AM	AMP-METER
ANN	ANNUNCIATOR
AP	AERIAL PRIMARY
AS	AERIAL SECONDARY
ATS	AUTOMATIC TRANSFER SWITCH
AUX	AUXILIARY
BFI	BLOWN FUSE INDICATOR
BI	BYPASS ISOLATION
BKR	BREAKER
BT	BOOST TRANSFORMER
C	CONDUIT
CAT	CATALOG OR CATEGORY
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CGRS	PVC COATED GALVANIZED RIGID STEEL
CFCI	CONTRACTOR FURNISHED/ CONTRACTOR INSTALLED
CKT	CIRCUIT
CL	CENTERLINE
COM	COMMON
CONT	CONTINUOUS
COT	CITY OF TULSA
CP	CONTROL PANEL
CPT	CONTROL POWER TRANSFORMER
CR	CONTROL RELAY
CRI	COLOR RENDERING INDEX
CS	CORD SET
CT	COOLING TOWER
CU	COEFFICIENT OF UTILIZATION
DEB	DIRECT EARTH BURIED
DISC	DISCONNECT
EC	EMPTY OR EMBEDDED CONDUIT
ECOEC	EAST CENTRAL OKLAHOMA ELECTRIC COOPERATIVE
EF	EXHAUST FAN
EG	EQUIPMENT GROUND
EL	ELEVATION
EMT	ELECTRICAL METALLIC TUBING
EP	EXISTING POLE
ETM	ELAPSED TIME METER
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FC	FAN COIL
FDS	FUSED DISCONNECT SWITCH
FLA	FULL LOAD AMPACITY
FLR	FLOOR
FMC	FLEXIBLE METALLIC CONDUIT
FOC	FIBER OPTIC CABLE
FS	FLOAT SWITCH
FT	FEET
FVNR	FULL VOLTAGE NON-REVERSING STARTER
FVR	FULL VOLTAGE REVERSING STARTER
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GND	GROUND
GRS	GALVANIZED RIGID STEEL
GRSC	GALVANIZED RIGID STEEL CONDUIT
GM	GROUND MOUNT
HID	HIGH INTENSITY DISCHARGE
HLMA	HIGHWAY LIGHT MAST ARM
HOA	HAND-OFF-AUTO
HP	HORSEPOWER OR HEAT PUMP
HR	HOUR
IDS	INTRUSION DETECTION SYSTEM
IESNA	ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA
IG	ISOLATED GROUND
IGPB	IN-GRADE PULL BOX
ISP	INDIVIDUALLY SHIELDED PAIR
JB	JUNCTION BOX
kVA	KILOVOLT-AMPERE
kVAR	KILOVOLT-AMPERE, REACTIVE
kW	KILOWATT
LA	LIGHTNING ARRESTER
LC	LIGHTING CIRCUIT
LED	LIGHT EMITTING DIODE
LLF	LIGHT LOSS FACTOR
LFMC	LIQUIDTIGHT FLEXIBLE METAL CONDUIT
LO	LUGS ONLY
LOR	LOCAL-OFF-REMOTE
LV	LOW VOLTAGE
MAX	MAXIMUM
MBM	MEDIAN BARRIER MOUNT
MBPB	MEDIAN BARRIER PULL BOX
MCA	MINIMUM CIRCUIT AMPACITY
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CIRCUIT PROTECTOR
MFR	MANUFACTURER
MIN	MINIMUM
MH	METAL HALIDE
MLO	MAIN LUGS ONLY
MNS	MASS NOTIFICATION SYSTEM
MOCP	MAXIMUM OVERCURRENT PROTECTION
MS	MOTOR STARTER
MTD	MOUNTED
MTS	MANUAL TRANSFER SWITCH
N	NEUTRAL
NEC	NATIONAL ELECTRICAL CODE
NFDS	NON-FUSED DISCONNECT SWITCH
NL	NIGHT LIGHT
NTS	NOT TO SCALE
OAE	OR APPROVED EQUAL
OC	ON CENTER
ODOT	OKLAHOMA DEPARTMENT OF TRANSPORTATION
OFCI	OWNER FURNISHED/ CONTRACTOR INSTALLED
OGE	OKLAHOMA GAS AND ELECTRIC
OH	OVERHEAD
OHP	OVERHEAD PRIMARY
OHS	OVERHEAD SECONDARY
OL	OVERLOAD
OTA	OKLAHOMA TURNPIKE AUTHORITY
PB	PULLBOX
PC/PI	POINT OF CENTER / POINT OF INTERSECTION
PEC	PHOTO ELECTRIC CELL
PF	POWER FACTOR
PFCC	POWER FACTOR CORRECTION CAPACITOR
PL	PILOT LIGHT
PMH	PULSE-START METAL HALIDE
PMR	PHASE MONITOR RELAY
PNL	PANEL
PTT	PUSH-TO-TEST
PVC	SCHEDULE 40 POLYVINYL CONDUIT
RECPT	RECEPTACLE
RLA	RUNNING LOAD AMPACITY
RM	ROOM
S	SECOND
SA	SURGE ARRESTER
SDBC	SOFT DRAWN BARE COPPER
SE	SERVICE ENTRANCE
SHT	SHEET
S/N	SERIAL NUMBER
SN	SOLID NEUTRAL
SP	SERVICE POINT
SPD	SURGE PROTECTIVE DEVICE
SS	STAINLESS STEEL
STA	STATION
SW	SWITCH
SWBD	SWITCHBOARD
T	TON
TEL	TELEPHONE
TD	TIME DELAY
TDD	TIME DELAY ON DE-ENERGIZATION
TDE	TIME DELAY ON ENERGIZATION
THD	TOTAL HARMONIC DISTORTION
TMB	TELECOMMUNICATION MOUNTING BOARD
TPO	TURNPIKE OVER
TPU	TURNPIKE UNDER
TYP	TYPICAL
TC	TIME CLOCK
TR	TAMPER RESISTANT
UG	UNDER GROUND
UGE	UNDER GROUND ELECTRIC
UGP	UNDERGROUND PRIMARY
UGS	UNDERGROUND SECONDARY
UH	UNIT HEATER
UON	UNLESS OTHERWISE NOTED
UNO	UNLESS NOTED OTHERWISE
UTP	UNSHIELDED TWISTED PAIR
V	VOLT
VA	VOLT-AMP
VFD	VARIABLE FREQUENCY DRIVE
VM	VOLT-METER
W	WATT OR WIRE
WH	WEATHER HEAD
WM	WATT METER
WP	WEATHERPROOF
W/	WITH
WW	WIREWAY
XMFR	TRANSFORMER
Z	IMPEDANCE

OKLAHOMA TURNPIKE AUTHORITY

SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

CAUTION NOTE

UNDERGROUND UTILITIES EXIST WITHIN AND ADJACENT TO THE LIMITS OF CONSTRUCTION. AN ATTEMPT HAS BEEN MADE TO LOCATE THESE UTILITIES ON THE PLANS, HOWEVER, ALL EXISTING UTILITIES MAY NOT BE SHOWN AND THE ACTUAL LOCATIONS OF THE UTILITIES MAY VARY FROM THE LOCATIONS SHOWN. PRIOR TO BEGINNING ANY TYPE OF EXCAVATION, THE CONTRACTOR SHALL CONTACT THE UTILITIES INVOLVED AND MAKE ARRANGEMENTS FOR THE LOCATION OF THE UTILITIES ON THE GROUND. THE CONTRACTOR SHALL MAINTAIN THE UTILITY LOCATION MARKINGS UNTIL THEY ARE NO LONGER NECESSARY. 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. THE "OKIE" NOTIFICATION CENTER (405)-840-5032 OR 1-800-522-6543 THE LOCAL COUNTY CLERK'S OFFICE.

FEEDER AND BRANCH CIRCUIT LEGEND

2 SETS [(3#8 + 1#8N + 1#10EG) 1" GRS]

- 2 SETS — NUMBER OF SETS
- (3#8) — PHASE (HOT) CONDUCTOR, NUMBER AND SIZE
- 1#8N — GROUNDED (NEUTRAL) CONDUCTOR, NUMBER AND SIZE
- 1#10EG — GROUNDING (GROUND) CONDUCTOR, NUMBER AND SIZE
- 1" — CONDUIT SIZE
- GRS — CONDUIT TYPE (SEE ABBREVIATIONS) REFER TO SPECIFICATIONS IF NOT SHOWN

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

LIGHTING LEGEND SHEET

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	KSR	9/17	CONTRACT NO. GCT-2500	
DETAILED	KSR	9/17		
CHECKED	WBG	9/17	DATE: 10/30/2017	SHEET NO. U001

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED
R/W
10/30/2017

LIGHT FIXTURE SCHEDULE

FIXTURE TYPE	EST. QTY.	MANUFACTURER	CATALOG NO.	DESCRIPTION	IES DIST.	LAMPS	COLOR TEMP.	CRI	VOLTAGE	WATTAGE	LIGHT LOSS FACTOR (LLF)	MIN. INITIAL LUMENS	KEYED NOTES
A1	135	HOLOPHANE	LEDG-120-53-4K-AH-G-L1-F2-XX	LEDGEND ROADWAY LED	TYPE I	120 LED	4000K	70	480V	198	0.88	12,660	1 2 3 4 5 6 9
A2	25	HOLOPHANE	LEDG-120-53-4K-AH-G-L2-F2-XX	LEDGEND ROADWAY LED	TYPE II	120 LED	4000K	70	480V	198	0.88	12,660	1 2 3 4 5 6 9
A3	169	HOLOPHANE	LEDG-120-53-4K-AH-G-L3-F2-XX	LEDGEND ROADWAY LED	TYPE III	120 LED	4000K	70	480V	198	0.88	12,660	1 2 3 4 5 6 9
A4	221	HOLOPHANE	LEDG-120-53-4K-AH-G-L4-F2-XX	LEDGEND ROADWAY LED	TYPE IV	120 LED	4000K	70	480V	198	0.88	12,660	1 2 3 4 5 6 9
B	5	HOLOPHANE	TNLED-3-4K-1-AH-WCR-DGRA-S-F2-XX	TUNNELPASS LED	WALL MOUNT CROSSBEAM	3 LED	4000K	70	480V	136	0.88	13,280	4 5 6 7 8
C	4	HOLOPHANE	W4PLED-30C-700-40K-T3M-480-X-DF-TP-LWG-GYSDP-XX	WALLPACK IV	TYPE III MEDIUM	30 LED	4000K	70	480V	67	0.88	5,208	4 5 6 7 8

SERVICE POINT LOCATION SCHEDULE

SERVICE POINT LOCATIONS TO BE DETERMINED DURING FINAL PLANS COORDINATION

ROADWAY AND TRAIL LIGHTING CRITERIA

LOCATION	PAVEMENT CLASSIFICATION	ROAD / WALKWAY CLASSIFICATION	AREA CLASSIFICATION	AVERAGE ILLUMINANCE (FC)		ILLUMINANCE UNIFORMITY RATIO (AVG TO MIN)
GILCREASE EXPY	R3	FREEWAY A	N/A	0.9		3 TO 1
51ST ST	R3	COLLECTOR	COMMERCIAL	1.2		4 TO 1
W 41ST ST	R3	COLLECTOR	RESIDENTIAL	0.6		4 TO 1
S 57TH W AVE	R3	COLLECTOR	RESIDENTIAL	0.6		4 TO 1
W 21ST ST	R3	COLLECTOR	INTERMEDIATE	0.9		4 TO 1
KEYSTONE EXPY	R3	FREEWAY A	N/A	0.9		3 TO 1
				HORIZONTAL SURFACE	VERTICAL SURFACE	
TRAIL	N/A	TYPE A	INTERMEDIATE	0.6 AT GROUND LEVEL	1.1 AT 6 ft AFG	4 TO 1
TRAIL	N/A	TYPE B	INTERMEDIATE	0.5 AT GROUND LEVEL	0.5 AT 6 ft AFG	4 TO 1
SIDEWALKS	N/A	TYPE A	INTERMEDIATE	0.6 AT GROUND LEVEL	1.1 AT 6 ft AFG	4 TO 1

50% plans

LIGHTING DESIGN GENERAL NOTES:

1. CONTRACTOR SHALL SUBMIT DIMENSIONED PHOTOMETRIC LAYOUTS OF ALL AREAS TO BE LIT AS INDICATED HEREIN. LAYOUTS SHALL UTILIZE IES PHOTOMETRIC FILES SUPPLIED BY THE MANUFACTURER FOR THE PROPOSED LIGHT FIXTURES. PHOTOMETRIC MODELING SHALL BE PERFORMED BY AN INDUSTRY ACCEPTED LIGHTING MODELING SOFTWARE PACKAGE: VISUAL 2016 EDITION, AGI32, OR AN APPROVED EQUAL. MODELING SHALL TAKE INTO ACCOUNT ALL EXISTING AND PROPOSED STRUCTURES, ALL GRADE CHANGES, ETC. TO CORRECTLY MODEL THE LIGHTING ENVIRONMENT. ALL LIGHTING DESIGN CRITERIA LISTED HEREIN SHALL BE MET OR EXCEEDED IN PERFORMANCE BY THE PROPOSED EQUIPMENT AND LAYOUT NON-DEPENDENT WHETHER THE EQUIPMENT IS LISTED IN THE DRAWINGS OR AN APPROVED EQUAL. EQUIPMENT AND LAYOUTS WHICH DO NOT MEET OR EXCEED DESIGN REQUIREMENTS WILL BE REJECTED BY THE ENGINEER DURING SUBMITTAL STAGE. INSTALLATIONS WHICH PASS THE SUBMITTAL STAGE AND DO NOT MEET OR EXCEED MEASURED PHOTOMETRIC VALUES IN THE FIELD WILL BE REJECTED BY THE ENGINEER, AND THE SYSTEM WILL BE REPLACED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER AND ENGINEER.
2. FOLLOWING THE SYSTEM INSTALLATION, PRIOR TO PROJECT CLOSEOUT, THE CONTRACTOR SHALL TAKE IN-FIELD MEASUREMENTS OF ALL THE LIT SURFACES AND SUBMIT TO THE ENGINEER FOR REVIEW. MEASUREMENTS FOR HIGHWAY LIGHTING SHALL BE TAKEN ON A GRID WITH ONE POINT IN THE CENTER OF EACH LANE, AT INTERVALS OF 75'. MEASUREMENTS FOR TRAIL AND SIDEWALK LIGHTING SHALL BE TAKEN ON A GRID WITH ONE POINT IN THE CENTER OF THE TRAIL / SIDEWALK, AT INTERVALS OF 20' (FOR BOTH HORIZONTAL AND VERTICAL MEASUREMENTS). CONTRACTOR SHALL PLOT ON A FULL-SIZE DRAWING SET EACH MEASUREMENT TAKEN. GRIDS SHALL BE ORIENTED SUCH THAT THEY ARE SYMMETRICAL ABOUT THE ALIGNMENT CENTERLINE.
3. ALL SURFACE LAYOUT MODELING AND FIELD MEASUREMENTS SHALL BE TAKEN HORIZONTALLY ON THE PAVED SURFACES AT 0'-0" AFG. ALL VERTICAL LAYOUT MODELING AND FIELD MEASUREMENTS SHALL BE TAKEN ON A VERTICAL PLANE AT 6'-0" AFG
4. ANY CONTRACTOR PROPOSED ALTERNATE TO FIXTURES LISTED ON THE LIGHT FIXTURE SCHEDULE SHALL BE REVIEWED BY THE ENGINEER AND OTA AND SHALL MEET ALL REQUIREMENTS LISTED IN THE TABLE.
5. ALL FIXTURES SHALL BE MOUNTED AND ORIENTED AS SPECIFIED ON THE APPROPRIATE LIGHTING TABLE PLAN SHEETS. UNLESS SPECIFIED OTHERWISE, ALL FIXTURES SHALL BE ORIENTED SO THAT THE FIXTURE "FRONT" AS DEFINED BY THE IES PHOTOMETRIC FILE EXTENDS FROM THE CENTERLINE AT AN ANGLE OF 90°. HOWEVER, CONTRACTOR SHALL ADJUST FIXTURE AIMING AND ORIENTATION AS REQUIRED BY THE ENGINEER IN THE FIELD TO MEET THE LIGHTING DESIGN CRITERIA.
6. ALL LIGHT FIXTURES SHALL BE MODELED WITH LLF AS SPECIFIED HEREIN OR AS RECOMMENDED BY THE MANUFACTURER FOR THE INTENDED APPLICATION AND ENVIRONMENTAL CONDITIONS.
7. CONTRACTOR SHALL NOTE THAT ALL ELECTRICAL DISTRIBUTION SYSTEM COMPONENTS (CONDUIT, WIRE, PANELS, PULL BOXES, ETC.) ARE DESIGNED AND SIZED AROUND THE EQUIPMENT SPECIFIED. IF ALTERNATES ARE PROPOSED, IT IS THE CONTRACTOR'S RESPONSIBILITY DURING SUBMITTAL STAGE TO SUBMIT PROOF THAT THE NEW ALTERNATE WILL WORK WITH THE ELECTRICAL INFRASTRUCTURE SPECIFIED HEREIN THESE CONTRACT DOCUMENTS. IF IT WILL NOT SUPPORT THE PROPOSED ALTERNATE, THE CONTRACTOR SHALL SUBMIT WHAT MODIFICATIONS ARE REQUIRED AND THESE WILL BE MADE BY THE CONTRACTOR AT HIS/HER EXPENSE FOLLOWING APPROVAL BY THE ENGINEER.
8. PROVIDE ALL LIGHT POLES WITH FRONT FACING HAND HOLE PULL POINTS AT THE BASE OF THE POLE WITH REMOVABLE COVER WITH CHAIN, WATERPROOF GROMMET, AND TAMPERPROOF CAPTIVE SCREWS.
9. PROVIDE VIBRATION DAMPENERS FOR ALL POLES. THESE SHALL BE INDICATED IN THE SUBMITTALS AND SHOP DRAWINGS.
10. LIGHT POLE OFFSETS SHALL COMPLY WITH THE LIGHT POLE CLEARANCE TABLE AND DETAILS ON ODOT STANDARD DRAWING TYPICAL LIGHT POLE PLACEMENT DETAILS PPD1-2-00.
11. THE CONTRACTOR SHALL SUBMIT ALL LIGHT FIXTURES, LIGHT POLES, AND FIXTURES ARMS TO ENGINEER FOR APPROVAL PRIOR TO PROCUREMENT.
12. ALL ELECTRICAL WORK AND MATERIAL SHALL BE PERFORMED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE NFPA 70 (2017) NATIONAL ELECTRIC CODE, NFPA 101 (2015) LIFE SAFETY CODE, NFPA 780 (2017) STANDARD FOR THE INSTALLATION OF LIGHTNING PROTECTION SYSTEMS, STATE ELECTRICAL CODE, LOCAL ELECTRIC CODE, AND ALL OTA AND ODOT STANDARDS.
13. LIGHT FIXTURE POLE LOCATION, MOUNTING, AND CONSTRUCTION SHALL CONFORM WITH OTA AND ODOT STANDARDS UNLESS SPECIFIED OTHERWISE HEREIN.
14. ALL EXPOSED CONDUIT SHALL BE GALVANIZED RIGID STEEL CONDUIT (GRSC) OF QUANTITY AND SIZE INDICATED. INSTALL ALL CONDUIT AS SHOWN ON PLANS.
15. ALL BELOW GRADE CONDUIT SHALL BE PVC CONDUIT. INSTALL ALL CONDUIT AS SHOWN ON PLANS.
16. ALL UNDERGROUND PVC CONDUIT SHALL TRANSITION TO PVC COATED GALVANIZED RIGID STEEL CONDUIT 3' PRIOR TO EMERGENCE ABOVE GRADE.
17. ALL GALVANIZED RIGID STEEL CONDUIT IN CONCRETE SHALL TRANSITION TO PVC COATED GALVANIZED RIGID STEEL CONDUIT PRIOR TO EMERGENCE FROM CONCRETE.
18. REFER TO ODOT STANDARD DETAIL SHEET CCD1-1-00 AND CCD2-1-00 FOR CONDUIT INSTALLATION NOTES AND DETAILS.
19. CONNECT ELECTRICAL EQUIPMENT ENCLOSURES, CONCRETE REBAR, GROUND RODS, STEEL CONDUIT, AND LIGHT POLES TO RESPECTIVE GROUNDING SYSTEM(S) USING #6 AWG SDBC BONDING JUMPER AND EXOTHERMIC WELDS.
20. GROUNDING SYSTEM(S) SHALL FULLY COMPLY WITH NEC ARTICLE 250.
21. ALL LIGHT POLES AND FIXTURES THAT ARE MOUNTED ON A BRIDGE BLISTER PACK SHALL BE CONNECTED TO A SINGLE GROUNDING SYSTEM. BOND LIGHT POLES TO GROUND RODS AT THE END OF EACH BRIDGE.
22. INSTALL CONDUIT EXPANSION DEVICES COMPLETE WITH A GROUND STRAP AT ALL BRIDGE JOINTS. A CONDUIT EXPANSION DEVICE SHALL BE INSTALLED AT THE FOLLOWING LOCATIONS:

    1.) EACH END OF THE BARRIER TRANSITIONS AT THE TPU AND TPO SPAN BRIDGES.

    THERE ARE AN ESTIMATED 200 EXPANSION DEVICES.
23. ALL CONDUIT ROUTING, TRENCHING, EXCAVATION, AND BACKFILL SHALL COMPLY WITH OTA AND ODOT STANDARD SPECIFICATIONS AND DRAWINGS.

LIGHT FIXTURE SCHEDULE AND SERVICE POINT LOCATION SCHEDULE KEYED NOTES:

1. FIXTURE, POLE, AND TENON ARMS SHALL BE GRAY COLOR AND POLE SHALL BE GALVANIZED STEEL. SUBMIT FINISH SAMPLE TO ENGINEER FOR REVIEW PRIOR TO PROCUREMENT.
2. FIXTURE SHALL BE PROVIDED WITH DOUBLE FUSING. FUSES SHALL BE INSTALLED ACCESSIBLE IN THE POLE HANDHOLE UTILIZING FUSE HOLDERS. REFER TO ODOT STANDARD DETAIL SHEET SCD1-1-00 FOR FUSING DETAILS.
3. FURNISH AND INSTALL POLE AND ARMS COMPLIANT WITH OTA AND ODOT STANDARD DETAILS, AASHTO REQUIREMENTS, AND SPECIFICATIONS HEREIN. POLES SHALL BE FURNISHED AND INSTALLED AS DESCRIBED ON THE ROADWAY FIXTURE LOCATION SCHEDULE SHEETS.
4. MOUNT FIXTURE ON POLE, BRACKET, OR STRUCTURE AS DIRECTED ON THE LIGHT POLE SCHEDULE. FURNISH AND INSTALL REQUIRED MOUNTING ACCESSORIES. SEE ROADWAY FIXTURE LOCATION TABLE FOR INFORMATION.
5. FIXTURE SHALL BE UL LISTED AND LABELED FOR WET LOCATION.
6. PROVIDE FIXTURE WITH TAMPER RESISTANT SCREWS.
7. FIXTURE SHALL BE GRAY COLOR; SUBMIT FINISH SAMPLE TO ENGINEER FOR REVIEW PRIOR TO PROCUREMENT.
8. FIXTURE SHALL BE PROVIDED WITH DOUBLE FUSING. FUSES SHALL BE INSTALLED IN AN ACCESSIBLE LOCATION PER MANUFACTURER RECOMMENDATIONS UTILIZING FUSE HOLDERS. REFER TO ODOT STANDARD DETAIL SHEET SCD1-1-00 FOR FUSING DETAILS.
9. FIXTURE SHALL BE FULL CUTOFF WITH A B-U-G RATING COMPRISED OF A GLARE (G) VALUE OF 0.

LIGHTING DESIGN CRITERIA NOTES:

1. ROADWAY AND TRAIL HAVE BEEN DESIGNED TO MEET MINIMUM RECOMMENDATIONS AS FOUND IN THE IESNA 9TH EDITION HANDBOOK.
2. SEE ROADWAY AND TRAIL LIGHTING CRITERIA TABLE (THIS SHEET) FOR INDIVIDUAL ROADWAY AND TRAIL REQUIREMENTS.
3. TYPE A TRAILS ARE DEFINED AS BIKEWAYS THAT ARE NEXT TO A ROADSIDE. TYPE B TRAILS ARE DEFINED AS BIKEWAYS THAT ARE DISTANT FROM ROADWAYS.

SPECIAL NOTE:

TRAIL LIGHTING IS NOT INCLUDED IN THIS PLAN SET. IT WILL BE INCLUDED IN THE FINAL PLAN SET AFTER FURTHER DIRECTION AND COORDINATION WITH THE CITY OF TULSA AND THE UTILITY COMPANY.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

LIGHT FIXTURE SCHEDULE

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	KSR	9/17	CONTRACT NO. GCT-2500	
DETAILED	KSR	9/17		
CHECKED	WBG	9/17	DATE: 10/30/2017	SHEET NO. U002

TRAIL FIXTURE LOCATION TABLE

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED
R/W
10/30/2017

GENERAL NOTES:

1. TRAIL LIGHTING IS NOT INCLUDED IN THIS PLAN SET. IT WILL BE INCLUDED IN THE FINAL PLAN SET AFTER FURTHER COORDINATION WITH THE CITY OF TULSA AND THE UTILITY COMPANY.

50% plans

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

TRAIL LIGHT FIXTURE SCHEDULE
(SHEET 1 OF 2)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	KSR	9/17	CONTRACT NO. GCT-2500	
DETAILED	KSR	9/17		
CHECKED	WBG	9/17	DATE: 10/30/2017	SHEET NO. U003

TRAIL FIXTURE LOCATION TABLE

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED
R/W
10/30/2017

GENERAL NOTES:

1. TRAIL LIGHTING IS NOT INCLUDED IN THIS PLAN SET. IT WILL BE INCLUDED IN THE FINAL PLAN SET AFTER FURTHER COORDINATION WITH THE CITY OF TULSA AND THE UTILITY COMPANY.

50% plans

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

TRAIL LIGHT FIXTURE SCHEDULE
(SHEET 2 OF 2)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	KSR	9/17	CONTRACT NO. GCT-2500	
DETAILED	KSR	9/17		
CHECKED	WBG	9/17	DATE: 10/30/2017	SHEET NO. U004

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

ROADWAY FIXTURE LOCATION TABLE: GILCREASE EXPRESSWAY SHEETS

	FIXTURE ID NO.	ROADWAY ALIGNMENT	STATIONING	FIXTURE TYPE	OFFSET	MOUNTING METHOD	MOUNTING HEIGHT	ARM LENGTH	KEYED NOTES
SHEET 1 OF 19	1	GILCREASE EXPY	102+65.92	A4	LT	POLE	40'	6'	1
	2	GILCREASE EXPY	102+64.95	A4	RT	POLE	40'	6'	1
	3	GILCREASE EXPY	104+33.18	A4	LT	POLE	40'	6'	1
	4	GILCREASE EXPY	104+29.09	A4	RT	POLE	40'	6'	1
	5	GILCREASE EXPY	105+94.44	A4	LT	POLE	40'	6'	1
	6	GILCREASE EXPY	105+92.93	A4	RT	POLE	40'	6'	1
	7	GILCREASE EXPY	107+54.59	A4	LT	POLE	40'	6'	1
	8	GILCREASE EXPY	107+51.85	A4	RT	POLE	40'	6'	1
	9	GILCREASE EXPY	109+06.72	A4	LT	POLE	40'	6'	1
	10	GILCREASE EXPY	109+05.93	A4	RT	POLE	40'	6'	1
	11	GILCREASE EXPY	110+78.40	A4	LT	POLE	40'	6'	1
	12	GILCREASE EXPY	110+71.89	A4	RT	POLE	40'	6'	1
	13	GILCREASE EXPY	112+03.79	A4	LT	POLE	40'	6'	1
	14	GILCREASE EXPY	113+27.60	A4	LT	POLE	40'	6'	1
	15	GILCREASE EXPY	112+78.49	B	RT	WALL MOUNTED	N/A	N/A	6
	16	GILCREASE EXPY	111+78.86	B	RT	WALL MOUNTED	N/A	N/A	6
	17	GILCREASE EXPY	114+28.16	B	LT	WALL MOUNTED	N/A	N/A	6
	18	GILCREASE EXPY	113+80.70	B	LT	WALL MOUNTED	N/A	N/A	6
	19	GILCREASE EXPY	113+69.16	A4	RT	POLE	40'	6'	1
	20	GILCREASE EXPY	114+78.54	B	LT	WALL MOUNTED	N/A	N/A	6
SHEET 2 OF 19	21	RAMP A - 51ST	1115+88.97	A4	LT	POLE	40'	6'	1
	22	RAMP A - 51ST	1117+41.76	A3	LT	POLE	40'	6'	1
	23	RAMP A - 51ST	1118+88.44	A1	LT	POLE	40'	3'	1
	24	RAMP A - 51ST	1120+35.24	A1	LT	POLE	40'	3'	1
	25	RAMP A - 51ST	1121+90.53	A1	LT	POLE	40'	3'	1
	26	RAMP A - 51ST	1123+40.36	A1	LT	POLE	40'	3'	1
	27	RAMP B - 51ST	2115+13.41	A4	RT	POLE	40'	6'	1
	28	RAMP B - 51ST	2116+63.32	A1	LT	POLE	40'	6'	1
	29	RAMP B - 51ST	2118+16.22	A1	LT	POLE	40'	6'	1
	30	RAMP B - 51ST	2119+65.60	A2	LT	POLE	40'	6'	1
	31	RAMP C - 51ST	3118+71.32	A1	LT	POLE	40'	6'	1
	32	RAMP C - 51ST	3120+31.81	A1	LT	POLE	40'	3'	1
	33	RAMP C - 51ST	3121+92.42	A1	LT	POLE	40'	3'	1
	34	RAMP C - 51ST	3123+52.99	A1	LT	POLE	40'	3'	1
	35	RAMP C - 51ST	3125+13.29	A1	LT	POLE	40'	3'	1
	36	RAMP C - 51ST	3126+73.12	A1	LT	POLE	40'	3'	1
	37	RAMP C - 51ST	3128+33.07	A1	LT	POLE	40'	3'	1
	38	RAMP D - 51ST	4121+12.94	A2	LT	POLE	40'	6'	1
	39	RAMP D - 51ST	4122+53.40	A1	LT	POLE	40'	6'	1
	40	RAMP D - 51ST	4123+94.80	A1	LT	POLE	40'	3'	1
	41	RAMP D - 51ST	4125+44.46	A1	LT	POLE	40'	3'	1
	42	RAMP D - 51ST	4126+93.89	A1	LT	POLE	40'	3'	1
	43	RAMP D - 51ST	4128+46.15	A4	RT	POLE	40'	6'	1
	44	GILCREASE EXPY	116+92.98	A3	RT	POLE	40'	6'	1
	45	GILCREASE EXPY	118+64.19	A4	LT	POLE	40'	6'	1
	46	GILCREASE EXPY	118+52.14	A4	RT	POLE	40'	6'	1
	47	GILCREASE EXPY	120+21.83	A3	LT	POLE	40'	6'	1
	48	GILCREASE EXPY	120+17.12	A3	RT	POLE	40'	6'	1
	49	GILCREASE EXPY	121+77.61	A3	LT	POLE	40'	6'	1
	50	GILCREASE EXPY	121+72.24	A3	RT	POLE	40'	6'	1
	51	GILCREASE EXPY	123+38.82	A3	LT	POLE	40'	6'	1
	52	GILCREASE EXPY	123+36.49	A3	RT	POLE	40'	6'	1
	53	GILCREASE EXPY	124+94.86	A3	LT	POLE	40'	6'	1
	54	GILCREASE EXPY	124+97.14	A3	RT	POLE	40'	6'	1
	55	GILCREASE EXPY	126+62.45	A3	LT	POLE	40'	6'	1
	56	GILCREASE EXPY	126+61.75	A3	RT	POLE	40'	6'	1
	57	GILCREASE EXPY	128+22.70	A4	LT	POLE	40'	6'	1
	58	GILCREASE EXPY	129+91.29	A4	RT	POLE	40'	6'	1
SHEET 3 OF 19	59	RAMP C - 51ST	3129+92.92	A4	LT	POLE	40'	6'	1
	60	GILCREASE EXPY	131+58.72	A4	LT	POLE	40'	6'	1
	61	GILCREASE EXPY	131+56.60	A4	RT	POLE	40'	6'	1
	62	GILCREASE EXPY	133+08.78	A4	LT	POLE	40'	6'	1
	63	GILCREASE EXPY	133+12.24	A4	RT	POLE	40'	6'	1
	64	GILCREASE EXPY	134+76.91	A4	LT	POLE	40'	6'	1
	65	GILCREASE EXPY	134+72.39	A4	RT	POLE	40'	6'	1
	66	GILCREASE EXPY	136+29.80	A4	LT	POLE	40'	6'	1
	67	GILCREASE EXPY	136+37.95	A4	RT	POLE	40'	6'	1
	68	GILCREASE EXPY	137+87.83	A4	LT	POLE	40'	6'	1
	69	GILCREASE EXPY	137+87.74	A4	RT	POLE	40'	6'	1
	70	GILCREASE EXPY	139+45.33	A3	LT	POLE	40'	6'	1

50% plans

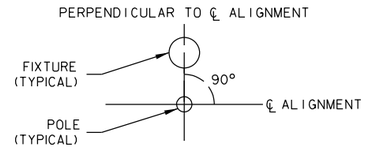
GENERAL NOTES:

1. SEE LIGHT FIXTURE SCHEDULE SHEET FOR FIXTURE, POLE, AND ARM SPECIFICATIONS, AS WELL AS LIGHTING DESIGN CRITERIA.
2. FIXTURE MOUNTING HEIGHT SHOWN IN THIS TABLE IS THE HEIGHT OF THE FIXTURE ABOVE THE ILLUMINATED SURFACE, AND SHOULD NOT BE CONFUSED WITH POLE HEIGHT. CONTRACTOR SHALL PROVIDE POLE HEIGHT NECESSARY TO ACCOMPLISH REQUIRED MOUNTING HEIGHT WITH LIGHT POLE BASE SPECIFICATIONS DICTATED HEREIN.
3. ALL LIGHT FIXTURES INSTALLED ON POLES SHALL BE ORIENTED AS SHOWN IN CONFIGURATION 1 ON THIS SHEET, UNLESS OTHERWISE NOTED.
4. STATIONING GIVEN IS TO THE CENTER OF THE LIGHT POLE OR WALL MOUNTED FIXTURE.

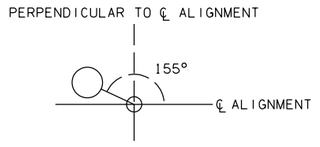
ROADWAY FIXTURE LOCATION TABLES KEYED NOTES:

1. INSTALL GROUND MOUNTED LIGHT FIXTURE AND POLE AT LOCATION AND OFFSET SHOWN IN THE TABLE WITH BREAKAWAY BASE. EXACT POLE OFFSET FROM PAVEMENT EDGE WILL BE DETERMINED IN FINAL SUBMITTAL.
2. INSTALL LIGHT FIXTURE AND POLE ON BRIDGE BLISTER PACK AT LOCATION AND OFFSET SHOWN IN THE TABLE.
3. INSTALL LIGHT FIXTURE ON POLE WITH ORIENTATION AS SHOWN IN CONFIGURATION 2 ON THIS SHEET.
4. INSTALL LIGHT FIXTURE ON POLE WITH ORIENTATION AS SHOWN IN CONFIGURATION 3 ON THIS SHEET.
5. INSTALL LIGHT FIXTURE ON POLE WITH ORIENTATION AS SHOWN IN CONFIGURATION 4 ON THIS SHEET.
6. SEE ODOT STANDARD DRAWING TYPICAL UNDERPASS LUMINAIRE MOUNTING DETAILS UPDI-1FOR WALL MOUNTED UNDERPASS INSTALLATION DETAILS.

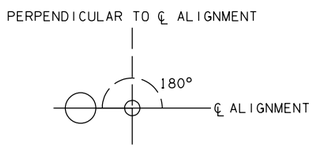
LIGHT FIXTURE ORIENTATION CONFIGURATIONS:



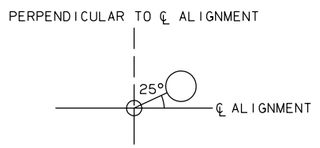
CONFIGURATION 1



CONFIGURATION 2



CONFIGURATION 3



CONFIGURATION 4

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

ROADWAY LIGHT FIXTURE SCHEDULE (SHEET 1 OF 9)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	KSR	9/17	CONTRACT NO. GCT-2500	
DETAILED	KSR	9/17		
CHECKED	WBG	9/17	DATE: 10/30/2017	SHEET NO. U005

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED
R/W
10/30/2017

ROADWAY FIXTURE LOCATION TABLE: GILCREASE EXPRESSWAY SHEETS

	FIXTURE ID NO.	ROADWAY ALIGNMENT	STATIONING	FIXTURE TYPE	OFFSET	MOUNTING METHOD	MOUNTING HEIGHT	ARM LENGTH	KEYED NOTES
SHEET 3 OF 19	71	GILCREASE EXPY	139+45.59	A3	RT	POLE	40'	6'	1
	72	GILCREASE EXPY	141+06.12	A3	LT	POLE	40'	6'	1
	73	GILCREASE EXPY	141+08.50	A3	RT	POLE	40'	6'	1
	74	GILCREASE EXPY	142+67.12	A3	LT	POLE	40'	6'	1
	75	GILCREASE EXPY	142+67.12	A3	RT	POLE	40'	6'	1
	76	GILCREASE EXPY	144+27.68	A3	LT	POLE	40'	6'	1
	77	GILCREASE EXPY	144+27.68	A3	RT	POLE	40'	6'	1
SHEET 4 OF 19	78	GILCREASE EXPY	145+86.18	A3	LT	POLE	40'	6'	1
	79	GILCREASE EXPY	145+86.18	A3	RT	POLE	40'	6'	1
	80	GILCREASE EXPY	147+46.24	A3	LT	POLE	40'	6'	1
	81	GILCREASE EXPY	147+46.24	A3	RT	POLE	40'	6'	1
	82	GILCREASE EXPY	149+05.44	A3	LT	POLE	40'	6'	1
	83	GILCREASE EXPY	149+05.44	A3	RT	POLE	40'	6'	1
	84	GILCREASE EXPY	150+65.20	A3	LT	POLE	40'	6'	1
	85	GILCREASE EXPY	150+65.20	A3	RT	POLE	40'	6'	1
	86	RAMP A - 41ST	1152+24.36	A4	LT	POLE	40'	6'	1
	87	RAMP B - 41ST	2152+24.83	A4	RT	POLE	40'	6'	1
	88	RAMP B - 41ST	2153+88.44	A4	RT	POLE	40'	6'	1
	89	RAMP B - 41ST	2155+49.13	A4	RT	POLE	40'	6'	1
	90	RAMP B - 41ST	2157+06.51	A4	RT	POLE	40'	6'	1
	91	RAMP B - 41ST	2158+66.53	A1	RT	POLE	40'	3'	1
	92	RAMP A - 41ST	1153+86.76	A4	LT	POLE	40'	6'	1
	93	RAMP A - 41ST	1155+46.66	A4	LT	POLE	40'	6'	1
	94	RAMP A - 41ST	1157+02.03	A4	LT	POLE	40'	6'	1
	95	RAMP A - 41ST	1158+63.92	A4	LT	POLE	40'	6'	1
	96	GILCREASE EXPY	158+63.35	A4	RT	POLE	40'	6'	1
SHEET 5 OF 19	97	RAMP A - 41ST	1160+23.54	A1	LT	POLE	40'	3'	1
	98	RAMP A - 41ST	1161+94.27	A1	LT	POLE	40'	3'	1
	99	RAMP A - 41ST	1163+64.16	A1	LT	POLE	40'	3'	1
	100	RAMP A - 41ST	1165+34.28	A1	LT	POLE	40'	3'	1
	101	RAMP A - 41ST	1167+03.63	A1	LT	POLE	40'	3'	1
	102	RAMP A - 41ST	1168+73.22	A1	LT	POLE	40'	3'	1
	103	S 57TH W AVE	57+71.55	A4	LT	POLE	30'	6'	1
	104	S 57TH W AVE	58+82.74	A4	LT	POLE	30'	6'	1
	105	S 57TH W AVE	60+03.84	A4	LT	POLE	30'	3'	1
	106	S 57TH W AVE	61+25.12	A4	LT	POLE	30'	3'	1
	107	RAMP B - 41ST	2160+37.60	A1	RT	POLE	40'	3'	2
	108	RAMP B - 41ST	2162+07.19	A1	RT	POLE	40'	3'	1
	109	RAMP B - 41ST	2163+77.35	A1	RT	POLE	40'	3'	1
	110	RAMP B - 41ST	2165+47.17	A2	RT	POLE	40'	3'	1
	111	RAMP B - 41ST	2167+14.82	A2	RT	POLE	40'	6'	1
	112	RAMP B - 41ST	2168+84.95	A1	RT	POLE	40'	6'	1
	113	RAMP D - 41ST	4171+22.96	A1	RT	POLE	40'	3'	1
	114	RAMP D - 41ST	4172+92.67	A1	RT	POLE	40'	3'	1
	115	RAMP D - 41ST	4174+62.50	A1	RT	POLE	40'	3'	1
	116	GILCREASE EXPY	160+24.86	A3	LT	POLE	40'	6'	1
	117	GILCREASE EXPY	160+24.86	A3	RT	POLE	40'	6'	1
	118	GILCREASE EXPY	161+84.98	A3	LT	POLE	40'	6'	1
	119	GILCREASE EXPY	161+84.98	A3	RT	POLE	40'	6'	1
	120	GILCREASE EXPY	163+48.11	A3	LT	POLE	40'	6'	1
	121	GILCREASE EXPY	163+48.11	A3	RT	POLE	40'	6'	1
	122	GILCREASE EXPY	165+05.00	A3	LT	POLE	40'	6'	1
	123	GILCREASE EXPY	165+05.00	A3	RT	POLE	40'	6'	1
	124	GILCREASE EXPY	166+62.83	A3	LT	POLE	40'	6'	1
	125	GILCREASE EXPY	166+62.83	A3	RT	POLE	40'	6'	2
	126	GILCREASE EXPY	168+41.59	A3	LT	POLE	40'	6'	1
	127	GILCREASE EXPY	168+41.59	A3	RT	POLE	40'	6'	2
	128	GILCREASE EXPY	170+06.60	A3	LT	POLE	40'	6'	2
	129	GILCREASE EXPY	170+06.60	A3	RT	POLE	40'	6'	2
	130	GILCREASE EXPY	171+76.72	A3	LT	POLE	40'	6'	1
	131	GILCREASE EXPY	171+76.72	A3	RT	POLE	40'	6'	1
	132	GILCREASE EXPY	173+35.00	A3	LT	POLE	40'	6'	1
	133	GILCREASE EXPY	173+35.00	A3	RT	POLE	40'	6'	1
SHEET 6 OF 19	134	S 57TH W AVE	62+46.22	A4	LT	POLE	30'	3'	1
	135	S 57TH W AVE	63+63.46	A4	LT	POLE	30'	3'	1
	136	S 57TH W AVE	64+85.73	A4	LT	POLE	30'	3'	1
	137	S 57TH W AVE	66+10.38	A4	LT	POLE	30'	3'	1
	138	S 57TH W AVE	67+33.72	A4	LT	POLE	30'	3'	1
	139	S 57TH W AVE	68+59.18	A4	LT	POLE	30'	3'	1
	140	S 57TH W AVE	69+78.51	A4	LT	POLE	30'	3'	1

GENERAL NOTES:

1. SEE ROADWAY LIGHT FIXTURE SCHEDULE SHEET 1 OF 9 FOR GENERAL NOTES, ROADWAY FIXTURE LOCATION TABLES KEYED NOTES, AND LIGHT FIXTURE ORIENTATION CONFIGURATIONS.

50% plans

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

ROADWAY LIGHT FIXTURE SCHEDULE
(SHEET 2 OF 9)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	KSR	9/17	CONTRACT NO. GCT-2500	
DETAILED	KSR	9/17		
CHECKED	WBG	9/17	DATE: 10/30/2017	SHEET NO. U006

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

ROADWAY FIXTURE LOCATION TABLE: GILCREASE EXPRESSWAY SHEETS

	FIXTURE ID NO.	ROADWAY ALIGNMENT	STATIONING	FIXTURE TYPE	OFFSET	MOUNTING METHOD	MOUNTING HEIGHT	ARM LENGTH	KEYED NOTES
SHEET 6 OF 19	141	S 57TH W AVE	70+97.11	A4	LT	POLE	30'	3'	1
	142	S 57TH W AVE	72+15.41	A4	LT	POLE	30'	3'	1
	143	S 57TH W AVE	73+34.68	A4	LT	POLE	30'	3'	1
	144	S 57TH W AVE	74+55.67	A4	LT	POLE	30'	3'	1
	145	S 57TH W AVE	75+77.39	A4	LT	POLE	30'	3'	1
	146	S 57TH W AVE	77+03.59	A4	LT	POLE	30'	3'	1
	147	S 57TH W AVE	76+21.07	A4	LT	POLE	30'	6'	1 3
	148	RAMP C - 41ST	3188+75.05	A1	LT	POLE	40'	3'	1
	149	RAMP D - 41ST	4176+31.37	A1	RT	POLE	40'	3'	1
	150	RAMP D - 41ST	4178+01.51	A1	RT	POLE	40'	3'	1
	151	RAMP D - 41ST	4179+71.08	A1	RT	POLE	40'	3'	1
	152	RAMP D - 41ST	4181+41.65	A1	RT	POLE	40'	3'	1
	153	RAMP D - 41ST	4183+02.48	A4	RT	POLE	40'	6'	1
	154	RAMP D - 41ST	4184+64.31	A4	RT	POLE	40'	6'	1
	155	GILCREASE EXPY	175+02.83	A3	LT	POLE	40'	6'	1
	156	GILCREASE EXPY	175+02.83	A3	RT	POLE	40'	6'	1
	157	GILCREASE EXPY	176+65.08	A3	LT	POLE	40'	6'	1
	158	GILCREASE EXPY	176+65.08	A3	RT	POLE	40'	6'	1
	159	GILCREASE EXPY	178+24.31	A3	LT	POLE	40'	6'	1
	160	GILCREASE EXPY	178+24.31	A3	RT	POLE	40'	6'	1
	161	GILCREASE EXPY	179+80.73	A3	LT	POLE	40'	6'	1
	162	GILCREASE EXPY	179+80.73	A3	RT	POLE	40'	6'	1
	163	GILCREASE EXPY	181+43.03	A3	LT	POLE	40'	6'	1
	164	GILCREASE EXPY	181+43.03	A3	RT	POLE	40'	6'	1
	165	GILCREASE EXPY	183+03.45	A4	LT	POLE	40'	6'	1
	166	GILCREASE EXPY	184+62.18	A4	LT	POLE	40'	6'	1
	167	GILCREASE EXPY	186+21.96	A4	LT	POLE	40'	6'	1
	168	GILCREASE EXPY	186+21.96	A4	RT	POLE	40'	6'	1
	169	GILCREASE EXPY	187+83.20	A3	LT	POLE	40'	6'	1
	170	GILCREASE EXPY	187+83.20	A3	RT	POLE	40'	6'	1
	171	GILCREASE EXPY	189+43.54	A3	LT	POLE	40'	6'	1
	172	GILCREASE EXPY	189+43.54	A3	RT	POLE	40'	6'	1
SHEET 7 OF 19	173	RAMP C - 41ST	3190+10.60	A1	LT	POLE	40'	3'	1
	174	RAMP C - 41ST	3191+71.85	A1	LT	POLE	40'	3'	1
	175	RAMP C - 41ST	3193+32.15	A1	LT	POLE	40'	3'	1
	176	RAMP C - 41ST	3194+92.96	A1	LT	POLE	40'	3'	1
	177	RAMP C - 41ST	3196+33.50	A1	LT	POLE	40'	3'	1
	178	RAMP C - 41ST	3197+42.21	A4	LT	POLE	40'	6'	1
	179	RAMP C - 41ST	3199+04.17	A4	LT	POLE	40'	6'	1
	180	RAMP C - 41ST	3200+60.02	A4	LT	POLE	40'	6'	1
	181	RAMP C - 41ST	3202+20.42	A4	LT	POLE	40'	6'	1
	182	RAMP C - 41ST	3203+80.39	A3	LT	POLE	40'	6'	1
	183	GILCREASE EXPY	191+03.47	A3	LT	POLE	40'	6'	1
	184	GILCREASE EXPY	191+03.47	A3	RT	POLE	40'	6'	1
	185	GILCREASE EXPY	192+63.59	A3	LT	POLE	40'	6'	1
	186	GILCREASE EXPY	192+63.59	A3	RT	POLE	40'	6'	1
	187	GILCREASE EXPY	194+23.30	A3	LT	POLE	40'	6'	1
	188	GILCREASE EXPY	194+23.30	A3	RT	POLE	40'	6'	1
	189	GILCREASE EXPY	195+83.29	A3	LT	POLE	40'	6'	1
	190	GILCREASE EXPY	195+83.29	A3	RT	POLE	40'	6'	1
	191	GILCREASE EXPY	197+44.72	A4	RT	POLE	40'	6'	1
	192	GILCREASE EXPY	199+05.59	A4	RT	POLE	40'	6'	1
	193	GILCREASE EXPY	200+61.34	A4	RT	POLE	40'	6'	1
	194	GILCREASE EXPY	202+21.36	A4	RT	POLE	40'	6'	1
	195	GILCREASE EXPY	203+81.22	A3	RT	POLE	40'	6'	1
SHEET 8 OF 19	196	GILCREASE EXPY	205+41.18	A3	LT	POLE	40'	6'	1
	197	GILCREASE EXPY	205+41.18	A3	RT	POLE	40'	6'	1
	198	GILCREASE EXPY	207+00.00	A3	LT	POLE	40'	6'	1
	199	GILCREASE EXPY	207+00.00	A3	RT	POLE	40'	6'	1
	200	GILCREASE EXPY	208+60.00	A3	LT	POLE	40'	6'	1
	201	GILCREASE EXPY	208+60.00	A3	RT	POLE	40'	6'	1
	202	GILCREASE EXPY	210+18.34	A3	LT	POLE	40'	6'	1
	203	GILCREASE EXPY	210+18.34	A3	RT	POLE	40'	6'	1
	204	GILCREASE EXPY	211+78.45	A3	LT	POLE	40'	6'	1
	205	GILCREASE EXPY	211+78.45	A3	RT	POLE	40'	6'	1
	206	GILCREASE EXPY	213+38.14	A3	LT	POLE	40'	6'	1
	207	GILCREASE EXPY	213+38.14	A3	RT	POLE	40'	6'	1
	208	GILCREASE EXPY	214+98.23	A3	LT	POLE	40'	6'	1
	209	GILCREASE EXPY	214+98.23	A3	RT	POLE	40'	6'	1
	210	GILCREASE EXPY	216+55.55	A3	LT	POLE	40'	6'	1

50% plans

GENERAL NOTES:

1. SEE ROADWAY LIGHT FIXTURE SCHEDULE SHEET 1 OF 9 FOR GENERAL NOTES, ROADWAY FIXTURE LOCATION TABLES KEYED NOTES, AND LIGHT FIXTURE ORIENTATION CONFIGURATIONS.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

ROADWAY LIGHT FIXTURE SCHEDULE
(SHEET 3 OF 9)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	KSR	9/17	CONTRACT NO. GCT-2500	
DETAILED	KSR	9/17		
CHECKED	WBG	9/17	DATE: 10/30/2017	SHEET NO. U007

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

ROADWAY FIXTURE LOCATION TABLE: GILCREASE EXPRESSWAY SHEETS

	FIXTURE ID NO.	ROADWAY ALIGNMENT	STATIONING	FIXTURE TYPE	OFFSET	MOUNTING METHOD	MOUNTING HEIGHT	ARM LENGTH	KEYED NOTES
SHEET 8 OF 19	211	GILCREASE EXPY	216+55.55	A3	RT	POLE	40'	6'	1
	212	GILCREASE EXPY	218+14.26	A3	LT	POLE	40'	6'	1
	213	GILCREASE EXPY	218+14.26	A3	RT	POLE	40'	6'	1
	214	GILCREASE EXPY	219+72.65	A3	LT	POLE	40'	6'	1
	215	GILCREASE EXPY	219+72.65	A3	RT	POLE	40'	6'	1
SHEET 9 OF 19	216	GILCREASE EXPY	221+29.52	A3	LT	POLE	40'	6'	2
	217	GILCREASE EXPY	221+29.52	A3	RT	POLE	40'	6'	2
	218	GILCREASE EXPY	222+84.62	A3	LT	POLE	40'	6'	2
	219	GILCREASE EXPY	222+84.62	A3	RT	POLE	40'	6'	2
	220	GILCREASE EXPY	224+41.01	A3	LT	POLE	40'	6'	2
	221	GILCREASE EXPY	224+41.01	A3	RT	POLE	40'	6'	2
	222	GILCREASE EXPY	225+98.49	A3	LT	POLE	40'	6'	1
	223	GILCREASE EXPY	225+98.49	A3	RT	POLE	40'	6'	1
	224	GILCREASE EXPY	227+58.44	A3	LT	POLE	40'	6'	1
	225	GILCREASE EXPY	227+58.44	A3	RT	POLE	40'	6'	1
	226	GILCREASE EXPY	229+17.15	A3	LT	POLE	40'	6'	1
	227	GILCREASE EXPY	229+17.15	A3	RT	POLE	40'	6'	1
	228	GILCREASE EXPY	230+76.56	A3	LT	POLE	40'	6'	1
	229	GILCREASE EXPY	230+76.56	A3	RT	POLE	40'	6'	1
	230	GILCREASE EXPY	232+37.68	A3	LT	POLE	40'	6'	1
	231	GILCREASE EXPY	232+37.68	A3	RT	POLE	40'	6'	1
	232	GILCREASE EXPY	233+93.85	A4	LT	POLE	40'	6'	2
	233	GILCREASE EXPY	233+93.85	A4	RT	POLE	40'	6'	2
SHEET 10 OF 19	234	GILCREASE EXPY	235+53.81	A4	LT	POLE	40'	6'	2
	235	GILCREASE EXPY	235+53.81	A4	RT	POLE	40'	6'	2
	236	GILCREASE EXPY	237+15.45	A4	LT	POLE	40'	6'	2
	237	GILCREASE EXPY	237+15.45	A4	RT	POLE	40'	6'	2
	238	GILCREASE EXPY	238+76.16	A4	LT	POLE	40'	6'	2
	239	GILCREASE EXPY	238+76.16	A4	RT	POLE	40'	6'	2
	240	GILCREASE EXPY	240+34.65	A4	LT	POLE	40'	6'	2
	241	GILCREASE EXPY	240+34.65	A4	RT	POLE	40'	6'	2
	242	GILCREASE EXPY	241+95.45	A4	LT	POLE	40'	6'	2
	243	GILCREASE EXPY	241+95.45	A4	RT	POLE	40'	6'	2
	244	GILCREASE EXPY	243+55.25	A4	LT	POLE	40'	6'	2
	245	GILCREASE EXPY	243+55.25	A4	RT	POLE	40'	6'	2
	246	GILCREASE EXPY	245+16.02	A4	LT	POLE	40'	6'	2
	247	GILCREASE EXPY	245+16.02	A4	RT	POLE	40'	6'	2
	248	GILCREASE EXPY	246+76.63	A4	LT	POLE	40'	6'	2
	249	GILCREASE EXPY	246+76.63	A4	RT	POLE	40'	6'	2
	250	GILCREASE EXPY	248+37.42	A4	LT	POLE	40'	6'	2
	251	GILCREASE EXPY	248+37.42	A4	RT	POLE	40'	6'	2
	252	GILCREASE EXPY	249+99.55	A4	LT	POLE	40'	6'	2
	253	GILCREASE EXPY	249+99.55	A4	RT	POLE	40'	6'	2
SHEET 11 OF 19	254	GILCREASE EXPY	251+61.24	A4	LT	POLE	40'	6'	1
	255	GILCREASE EXPY	251+61.24	A4	RT	POLE	40'	6'	1
	256	GILCREASE EXPY	253+21.63	A4	LT	POLE	40'	6'	1
	257	GILCREASE EXPY	253+21.63	A4	RT	POLE	40'	6'	1
	258	GILCREASE EXPY	254+81.67	A4	LT	POLE	40'	6'	1
	259	RAMP B - 21ST	2254+77.09	A4	RT	POLE	40'	6'	1
	260	RAMP B - 21ST	2256+36.79	A4	RT	POLE	40'	6'	1
	261	RAMP B - 21ST	2257+96.62	A4	RT	POLE	40'	6'	1
	262	RAMP B - 21ST	2259+56.92	A4	RT	POLE	40'	6'	1
	263	RAMP B - 21ST	2261+18.14	A1	RT	POLE	40'	3'	1
	264	RAMP B - 21ST	2262+79.82	A1	RT	POLE	40'	3'	1
	265	RAMP B - 21ST	2264+42.61	A1	RT	POLE	40'	3'	1
	266	GILCREASE EXPY	256+41.49	A4	LT	POLE	40'	6'	1
	267	GILCREASE EXPY	258+02.01	A4	LT	POLE	40'	6'	1
	268	GILCREASE EXPY	259+63.76	A4	LT	POLE	40'	6'	1
	269	GILCREASE EXPY	261+25.80	A4	LT	POLE	40'	6'	1
	270	GILCREASE EXPY	261+25.80	A4	RT	POLE	40'	6'	1
	271	GILCREASE EXPY	262+86.71	A4	LT	POLE	40'	6'	1
	272	GILCREASE EXPY	262+86.71	A4	RT	POLE	40'	6'	1
	273	GILCREASE EXPY	264+47.33	A4	LT	POLE	40'	6'	1
	274	GILCREASE EXPY	264+47.33	A4	RT	POLE	40'	6'	1
SHEET 12 OF 19	275	RAMP B - 21ST	2266+02.86	A1	RT	POLE	40'	3'	1
	276	RAMP B - 21ST	2267+62.71	A1	RT	POLE	40'	3'	1
	277	RAMP B - 21ST	2269+18.28	A1	RT	POLE	40'	3'	1
	278	RAMP B - 21ST	2270+82.44	A1	RT	POLE	40'	3'	1
	279	RAMP C - 21ST	3265+62.63	A1	RT	POLE	40'	3'	1
	280	RAMP C - 21ST	3267+31.02	A1	RT	POLE	40'	3'	1

50% plans

GENERAL NOTES:

1. SEE ROADWAY LIGHT FIXTURE SCHEDULE SHEET 1 OF 9 FOR GENERAL NOTES, ROADWAY FIXTURE LOCATION TABLES KEYED NOTES, AND LIGHT FIXTURE ORIENTATION CONFIGURATIONS.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

ROADWAY LIGHT FIXTURE SCHEDULE
(SHEET 4 OF 9)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	KSR	9/17	CONTRACT NO. GCT-2500
DETAILED	KSR	9/17	
CHECKED	WBG	9/17	DATE: 10/30/2017

SHEET NO. U008

ROADWAY FIXTURE LOCATION TABLE: GILCREASE EXPRESSWAY SHEETS

	FIXTURE ID NO.	ROADWAY ALIGNMENT	STATIONING	FIXTURE TYPE	OFFSET	MOUNTING METHOD	MOUNTING HEIGHT	ARM LENGTH	KEYED NOTES
SHEET 12 OF 19	281	RAMP C - 21ST	3269+00.85	A1	RT	POLE	40'	3'	1
	282	RAMP C - 21ST	3270+66.25	A1	RT	POLE	40'	3'	1
	283	RAMP C - 21ST	3272+34.09	A4	RT	POLE	40'	6'	1
	284	RAMP A - 21ST	1278+31.87	A4	LT	POLE	40'	6'	1
	285	RAMP A - 21ST	1279+78.81	A1	LT	POLE	40'	6'	1
	286	GILCREASE EXPY	265+99.85	A4	LT	POLE	40'	6'	1
	287	GILCREASE EXPY	265+99.85	A4	RT	POLE	40'	6'	1
	288	GILCREASE EXPY	267+60.56	A4	LT	POLE	40'	6'	1
	289	GILCREASE EXPY	267+60.56	A4	RT	POLE	40'	6'	1
	290	GILCREASE EXPY	269+25.01	A4	LT	POLE	40'	6'	1
	291	GILCREASE EXPY	269+25.01	A4	RT	POLE	40'	6'	1
	292	GILCREASE EXPY	270+84.77	A4	LT	POLE	40'	6'	1
	293	GILCREASE EXPY	270+84.77	A4	RT	POLE	40'	6'	1
	294	GILCREASE EXPY	272+37.68	A4	LT	POLE	40'	6'	1
	295	GILCREASE EXPY	273+97.40	A4	LT	POLE	40'	6'	1
	296	GILCREASE EXPY	273+97.40	A4	RT	POLE	40'	6'	1
	297	GILCREASE EXPY	275+02.30	A4	LT	POLE	40'	6'	2
	298	GILCREASE EXPY	275+02.30	A4	RT	POLE	40'	6'	2
	299	GILCREASE EXPY	276+13.46	A4	LT	POLE	40'	6'	2
	300	GILCREASE EXPY	276+13.46	A4	RT	POLE	40'	6'	2
	301	GILCREASE EXPY	277+21.85	A4	LT	POLE	40'	6'	2
	302	GILCREASE EXPY	277+21.85	A4	RT	POLE	40'	6'	2
	303	GILCREASE EXPY	278+32.85	A4	RT	POLE	40'	6'	1
	304	GILCREASE EXPY	279+94.80	A4	LT	POLE	40'	6'	1
	305	GILCREASE EXPY	279+94.80	A4	RT	POLE	40'	6'	1
SHEET 13 OF 19	306	RAMP A - 21ST	1281+23.59	A1	LT	POLE	40'	3'	1
	307	RAMP A - 21ST	1282+70.33	A1	LT	POLE	40'	3'	1
	308	RAMP A - 21ST	1284+16.72	A1	LT	POLE	40'	3'	1
	309	RAMP D - 21ST	4280+38.14	A4	LT	POLE	40'	6'	2
	310	RAMP D - 21ST	4281+58.11	A3	LT	POLE	40'	6'	2
	311	RAMP D - 21ST	4282+78.49	A3	LT	POLE	40'	6'	2
	312	RAMP D - 21ST	4283+98.19	A3	LT	POLE	40'	6'	2
	313	RAMP D - 21ST	4285+17.20	A4	LT	POLE	40'	6'	1
	314	RAMP D - 21ST	4286+59.48	A2	LT	POLE	40'	6'	1
	315	RAMP D - 21ST	4287+79.49	A4	LT	POLE	40'	6'	1
	316	GILCREASE EXPY	281+54.46	A4	LT	POLE	40'	6'	2
	317	GILCREASE EXPY	281+54.46	A4	RT	POLE	40'	6'	2
	318	GILCREASE EXPY	283+13.42	A4	LT	POLE	40'	6'	2
	319	GILCREASE EXPY	283+13.42	A4	RT	POLE	40'	6'	2
	320	GILCREASE EXPY	284+71.80	A4	LT	POLE	40'	6'	2
	321	GILCREASE EXPY	284+71.80	A4	RT	POLE	40'	6'	2
	322	GILCREASE EXPY	286+25.93	A4	LT	POLE	40'	6'	1
	323	GILCREASE EXPY	286+25.93	A4	RT	POLE	40'	6'	1
	324	GILCREASE EXPY	287+89.01	A4	RT	POLE	40'	6'	1
	325	GILCREASE EXPY	289+47.90	A4	LT	POLE	40'	3'	2
	326	GILCREASE EXPY	289+47.90	A4	RT	POLE	40'	6'	2
	327	GILCREASE EXPY	291+06.97	A4	LT	POLE	40'	3'	2
	328	GILCREASE EXPY	291+06.97	A4	RT	POLE	40'	6'	2
	329	GILCREASE EXPY	292+69.62	A4	LT	POLE	40'	3'	2
	330	GILCREASE EXPY	292+69.62	A4	RT	POLE	40'	6'	2
	331	GILCREASE EXPY	294+29.34	A4	LT	POLE	40'	3'	2
	332	GILCREASE EXPY	294+29.34	A4	RT	POLE	40'	6'	2
SHEET 14 OF 19	333	GILCREASE EXPY	295+99.94	A4	LT	POLE	40'	3'	2
	334	GILCREASE EXPY	295+99.94	A4	RT	POLE	40'	6'	2
	335	GILCREASE EXPY	297+59.04	A4	LT	POLE	40'	3'	2
	336	GILCREASE EXPY	297+59.04	A4	RT	POLE	40'	6'	2
	337	GILCREASE EXPY	299+21.32	A4	LT	POLE	40'	3'	2
	338	GILCREASE EXPY	299+21.32	A4	RT	POLE	40'	6'	2
	339	GILCREASE EXPY	300+80.46	A4	LT	POLE	40'	3'	2
	340	GILCREASE EXPY	300+80.46	A4	RT	POLE	40'	6'	2
	341	GILCREASE EXPY	302+39.02	A4	LT	POLE	40'	3'	2
	342	GILCREASE EXPY	302+39.02	A4	RT	POLE	40'	6'	2
	343	GILCREASE EXPY	303+98.10	A4	LT	POLE	40'	3'	2
	344	GILCREASE EXPY	303+98.10	A4	RT	POLE	40'	6'	2
	345	GILCREASE EXPY	305+59.71	A4	LT	POLE	40'	3'	2
	346	GILCREASE EXPY	305+59.71	A4	RT	POLE	40'	6'	2
	347	GILCREASE EXPY	307+18.39	A3	LT	POLE	40'	6'	1
	348	GILCREASE EXPY	307+18.39	A3	RT	POLE	40'	6'	1
	349	GILCREASE EXPY	308+78.46	A3	LT	POLE	40'	6'	1
	350	GILCREASE EXPY	308+78.46	A3	RT	POLE	40'	6'	1

50% plans

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

GENERAL NOTES:

1. SEE ROADWAY LIGHT FIXTURE SCHEDULE SHEET 1 OF 9 FOR GENERAL NOTES, ROADWAY FIXTURE LOCATION TABLES KEYED NOTES, AND LIGHT FIXTURE ORIENTATION CONFIGURATIONS.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

ROADWAY LIGHT FIXTURE SCHEDULE
(SHEET 5 OF 9)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	KSR	9/17	CONTRACT NO. GCT-2500	
DETAILED	KSR	9/17		
CHECKED	WBG	9/17	DATE: 10/30/2017	SHEET NO. U009

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED
R/W
10/30/2017

ROADWAY FIXTURE LOCATION TABLE: GILCREASE EXPRESSWAY SHEETS

	FIXTURE ID NO.	ROADWAY ALIGNMENT	STATIONING	FIXTURE TYPE	OFFSET	MOUNTING METHOD	MOUNTING HEIGHT	ARM LENGTH	KEYED NOTES
SHEET 15 OF 19	351	GILCREASE EXPY	310+39.91	A3	LT	POLE	40'	6'	1
	352	GILCREASE EXPY	310+39.91	A3	RT	POLE	40'	6'	1
	353	GILCREASE EXPY	311+99.98	A3	LT	POLE	40'	6'	1
	354	GILCREASE EXPY	311+99.98	A3	RT	POLE	40'	6'	1
	355	GILCREASE EXPY	313+60.48	A3	LT	POLE	40'	6'	1
	356	GILCREASE EXPY	313+60.48	A3	RT	POLE	40'	6'	1
	357	GILCREASE EXPY	315+20.52	A3	LT	POLE	40'	6'	1
	358	GILCREASE EXPY	315+20.52	A3	RT	POLE	40'	6'	1
	359	GILCREASE EXPY	316+80.96	A3	LT	POLE	40'	6'	1
	360	GILCREASE EXPY	316+80.96	A3	RT	POLE	40'	6'	1
	361	GILCREASE EXPY	318+41.14	A3	LT	POLE	40'	6'	1
	362	GILCREASE EXPY	318+41.14	A3	RT	POLE	40'	6'	1
	363	GILCREASE EXPY	320+02.12	A3	LT	POLE	40'	6'	1
	364	GILCREASE EXPY	320+02.12	A3	RT	POLE	40'	6'	1
	365	GILCREASE EXPY	321+62.14	A3	LT	POLE	40'	6'	1
	366	GILCREASE EXPY	321+62.14	A3	RT	POLE	40'	6'	1
	367	GILCREASE EXPY	323+20.84	A3	LT	POLE	40'	6'	1
	368	GILCREASE EXPY	323+20.84	A3	RT	POLE	40'	6'	1
	369	GILCREASE EXPY	324+81.42	A3	LT	POLE	40'	6'	1
	370	GILCREASE EXPY	324+81.42	A3	RT	POLE	40'	6'	1
SHEET 16 OF 19	371	GILCREASE EXPY	326+40.89	A3	LT	POLE	40'	6'	1
	372	GILCREASE EXPY	326+40.89	A3	RT	POLE	40'	6'	1
	373	GILCREASE EXPY	327+93.67	A3	LT	POLE	40'	6'	2
	374	GILCREASE EXPY	327+93.67	A3	RT	POLE	40'	6'	2
	375	GILCREASE EXPY	329+46.48	A3	LT	POLE	40'	6'	2
	376	GILCREASE EXPY	329+46.48	A3	RT	POLE	40'	6'	2
	377	GILCREASE EXPY	330+99.37	A3	LT	POLE	40'	6'	2
	378	GILCREASE EXPY	330+99.37	A3	RT	POLE	40'	6'	2
	379	GILCREASE EXPY	332+52.79	A3	LT	POLE	40'	6'	1
	380	GILCREASE EXPY	332+52.79	A3	RT	POLE	40'	6'	1
	381	GILCREASE EXPY	334+12.77	A3	LT	POLE	40'	6'	1
	382	GILCREASE EXPY	334+12.77	A3	RT	POLE	40'	6'	1
	383	GILCREASE EXPY	335+61.42	A3	LT	POLE	40'	6'	1
	384	GILCREASE EXPY	335+61.42	A3	RT	POLE	40'	6'	1
	385	GILCREASE EXPY	337+50.12	A3	LT	POLE	40'	6'	2
	386	GILCREASE EXPY	337+50.12	A3	RT	POLE	40'	6'	2
	387	GILCREASE EXPY	339+32.45	A3	LT	POLE	40'	6'	1
	388	GILCREASE EXPY	339+32.45	A3	RT	POLE	40'	6'	1
SHEET 17 OF 19	389	GILCREASE EXPY	340+92.51	A3	LT	POLE	40'	6'	1
	390	GILCREASE EXPY	340+92.51	A3	RT	POLE	40'	6'	1
	391	GILCREASE EXPY	342+52.26	A3	LT	POLE	40'	6'	1
	392	GILCREASE EXPY	342+52.26	A3	RT	POLE	40'	6'	1
	393	GILCREASE EXPY	344+12.63	A3	LT	POLE	40'	6'	1
	394	GILCREASE EXPY	344+12.63	A3	RT	POLE	40'	6'	1
	395	GILCREASE EXPY	345+72.56	A3	LT	POLE	40'	6'	1
	396	GILCREASE EXPY	345+72.56	A3	RT	POLE	40'	6'	1
	397	GILCREASE EXPY	347+32.70	A4	LT	POLE	40'	6'	1
	398	GILCREASE EXPY	347+32.70	A4	RT	POLE	40'	6'	1
	399	GILCREASE EXPY	348+92.68	A4	LT	POLE	40'	6'	1
	400	GILCREASE EXPY	348+92.68	A4	RT	POLE	40'	6'	1
	401	GILCREASE EXPY	350+62.36	A4	LT	POLE	40'	6'	2
	402	GILCREASE EXPY	350+62.36	A4	RT	POLE	40'	6'	2
	403	GILCREASE EXPY	352+40.03	A4	LT	POLE	40'	6'	2
	404	GILCREASE EXPY	352+40.03	A4	RT	POLE	40'	6'	2
	405	GILCREASE EXPY	354+11.25	A4	LT	POLE	40'	6'	2
	406	GILCREASE EXPY	354+11.25	A4	RT	POLE	40'	6'	2
SHEET 18 OF 19	407	GILCREASE EXPY	355+83.65	A4	LT	POLE	40'	6'	1
	408	GILCREASE EXPY	355+83.65	A4	RT	POLE	40'	6'	1
	409	GILCREASE EXPY	356+60.63	A4	LT	POLE	40'	6'	1
	410	GILCREASE EXPY	357+56.54	A4	RT	POLE	40'	6'	1
	411	GILCREASE EXPY	358+94.62	A4	LT	POLE	40'	6'	1
	412	GILCREASE EXPY	358+94.62	A4	RT	POLE	40'	6'	1
	413	GILCREASE EXPY	360+46.68	A4	LT	POLE	40'	6'	2
	414	GILCREASE EXPY	360+46.68	A4	RT	POLE	40'	6'	2
	415	GILCREASE EXPY	361+95.03	A4	LT	POLE	40'	6'	2
	416	GILCREASE EXPY	361+95.03	A4	RT	POLE	40'	6'	2
	417	GILCREASE EXPY	363+42.90	A4	LT	POLE	40'	6'	2
	418	GILCREASE EXPY	363+42.90	A4	LT	POLE	40'	6'	1
	419	GILCREASE EXPY	364+59.03	A4	RT	POLE	40'	6'	2
	420	GILCREASE EXPY	364+94.34	A4	RT	POLE	40'	6'	1

50% plans

GENERAL NOTES:

1. SEE ROADWAY LIGHT FIXTURE SCHEDULE SHEET 1 OF 9 FOR GENERAL NOTES, ROADWAY FIXTURE LOCATION TABLES KEYED NOTES, AND LIGHT FIXTURE ORIENTATION CONFIGURATIONS.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

ROADWAY LIGHT FIXTURE SCHEDULE
(SHEET 6 OF 9)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	KSR	9/17	CONTRACT NO. GCT-2500	
DETAILED	KSR	9/17		
CHECKED	WBG	9/17	DATE: 10/30/2017	SHEET NO. U010

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED
R/W
10/30/2017

ROADWAY FIXTURE LOCATION TABLE: GILCREASE EXPRESSWAY SHEETS

	FIXTURE ID NO.	ROADWAY ALIGNMENT	STATIONING	FIXTURE TYPE	OFFSET	MOUNTING METHOD	MOUNTING HEIGHT	ARM LENGTH	KEYED NOTES
SHEET 18 OF 19	421	GILCREASE EXPY	366+41.51	A3	LT	POLE	40'	6'	1
	422	GILCREASE EXPY	366+41.51	A3	RT	POLE	40'	3'	1
	423	GILCREASE EXPY	368+01.18	A3	LT	POLE	40'	6'	1
	424	GILCREASE EXPY	368+01.18	A3	RT	POLE	40'	6'	1
	425	GILCREASE EXPY	369+57.29	A3	LT	POLE	40'	6'	1
	426	GILCREASE EXPY	369+57.29	A3	RT	POLE	40'	6'	1
SHEET 19 OF 19	427	GILCREASE EXPY	371+18.10	A4	LT	POLE	40'	6'	1
	428	GILCREASE EXPY	371+18.10	A4	RT	POLE	40'	6'	1
	429	GILCREASE EXPY	372+77.61	A4	LT	POLE	40'	6'	1
	430	GILCREASE EXPY	372+77.61	A4	RT	POLE	40'	6'	1

GENERAL NOTES:

1. SEE ROADWAY LIGHT FIXTURE SCHEDULE SHEET 10F 9 FOR GENERAL NOTES, ROADWAY FIXTURE LOCATION TABLES KEYED NOTES, AND LIGHT FIXTURE ORIENTATION CONFIGURATIONS.

50% plans

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

ROADWAY LIGHT FIXTURE SCHEDULE
(SHEET 7 OF 9)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	KSR	9/17	CONTRACT NO. GCT-2500	
DETAILED	KSR	9/17		
CHECKED	WBG	9/17	DATE: 10/30/2017	SHEET NO. U011

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED
R/W
10/30/2017

ROADWAY FIXTURE LOCATION TABLE: 51ST STREET SHEET

	FIXTURE ID NO.	ROADWAY ALIGNMENT	STATIONING	FIXTURE TYPE	OFFSET	MOUNTING METHOD	MOUNTING HEIGHT	ARM LENGTH	KEYED NOTES
SHEET 1 OF 1	431	RAMP C - 51ST	3117+69.51	A4	LT	POLE	40'	6'	1
	432	51ST STREET	525+62.52	A1	LT	POLE	30'	6'	1
	433	51ST STREET	525+62.52	A1	RT	POLE	30'	6'	1
	434	51ST STREET	526+71.33	A1	LT	POLE	30'	3'	1
	435	51ST STREET	526+71.33	A1	RT	POLE	30'	3'	1
	436	51ST STREET	528+12.60	A2	LT	POLE	30'	3'	1
	437	51ST STREET	528+12.60	A2	RT	POLE	30'	3'	1
	438	51ST STREET	529+52.34	A1	LT	POLE	30'	3'	1
	439	51ST STREET	529+52.34	A1	RT	POLE	30'	3'	1
	440	51ST STREET	530+92.49	A2	LT	POLE	30'	3'	2
	441	51ST STREET	530+92.49	A2	RT	POLE	30'	3'	2
	442	51ST STREET	532+32.60	A1	LT	POLE	30'	3'	2
	443	51ST STREET	532+32.60	A1	RT	POLE	30'	3'	2
	444	51ST STREET	533+71.64	A2	LT	POLE	30'	3'	2
	445	51ST STREET	533+71.64	A2	RT	POLE	30'	3'	2
	446	51ST STREET	535+11.48	A1	LT	POLE	30'	3'	2
	447	51ST STREET	535+11.48	A1	RT	POLE	30'	3'	2
	448	51ST STREET	536+51.74	A2	LT	POLE	30'	3'	2
	449	51ST STREET	536+51.74	A2	RT	POLE	30'	3'	2
	450	51ST STREET	537+91.51	A1	LT	POLE	30'	3'	1
	451	51ST STREET	537+91.51	A1	RT	POLE	30'	3'	1
	452	51ST STREET	539+01.73	A1	LT	POLE	30'	6'	1
	453	51ST STREET	539+01.73	A1	RT	POLE	30'	6'	1

ROADWAY FIXTURE LOCATION TABLE: 51ST FRONTAGE STREET SHEET

	FIXTURE ID NO.	ROADWAY ALIGNMENT	STATIONING	FIXTURE TYPE	OFFSET	MOUNTING METHOD	MOUNTING HEIGHT	ARM LENGTH	KEYED NOTES
SHEET 1 OF 1	454	51ST FRONTAGE	10+64.52	A2	RT	POLE	40'	6'	1
	455	51ST FRONTAGE	12+17.45	A2	RT	POLE	40'	6'	1
	456	51ST FRONTAGE	13+72.55	A1	RT	POLE	40'	6'	1
	457	51ST FRONTAGE	15+27.73	A1	RT	POLE	40'	6'	1
	458	51ST FRONTAGE	16+91.64	A1	RT	POLE	40'	6'	1
	549	51ST FRONTAGE	18+54.76	A2	RT	POLE	40'	6'	1
	460	51ST FRONTAGE	20+17.87	A4	RT	POLE	40'	6'	1
	461	51ST FRONTAGE	21+81.86	A2	RT	POLE	40'	6'	1
	462	51ST FRONTAGE	23+45.22	A2	RT	POLE	40'	6'	1

50% plans

ROADWAY FIXTURE LOCATION TABLE: 41ST STREET SHEET

	FIXTURE ID NO.	ROADWAY ALIGNMENT	STATIONING	FIXTURE TYPE	OFFSET	MOUNTING METHOD	MOUNTING HEIGHT	ARM LENGTH	KEYED NOTES
SHEET 1 OF 1	463	41ST STREET	409+18.76	A4	LT	POLE	30'	3'	1
	464	41ST STREET	409+18.76	A4	RT	POLE	30'	3'	1
	465	41ST STREET	410+67.72	A4	LT	POLE	30'	3'	1
	466	41ST STREET	410+67.72	A4	RT	POLE	30'	3'	1
	467	41ST STREET	411+52.62	C	LT	WALLMOUNT	N/A	N/A	6
	468	41ST STREET	411+52.62	C	RT	WALLMOUNT	N/A	N/A	6
	469	41ST STREET	412+16.36	C	LT	WALLMOUNT	N/A	N/A	6
	470	41ST STREET	412+16.36	C	RT	WALLMOUNT	N/A	N/A	6
	471	41ST STREET	413+13.62	A2	LT	POLE	30'	3'	1
	472	41ST STREET	413+13.62	A2	RT	POLE	30'	3'	1
	473	41ST STREET	414+39.06	A4	LT	POLE	30'	3'	1
	474	41ST STREET	414+39.06	A4	RT	POLE	30'	6'	1

ROADWAY FIXTURE LOCATION TABLE: 21ST STREET SHEETS

	FIXTURE ID NO.	ROADWAY ALIGNMENT	STATIONING	FIXTURE TYPE	OFFSET	MOUNTING METHOD	MOUNTING HEIGHT	ARM LENGTH	KEYED NOTES
SHEET 1 OF 2	475	RAMP D - 21ST	4279+48.62	A2	RT	POLE	40'	6'	1
	476	RAMP D - 21ST	4276+15.90	A3	LT	POLE	30'	6'	1
	477	RAMP A - 21ST	1287+76.87	A4	LT	POLE	40'	6'	1
	478	RAMP A - 21ST	1286+64.82	A4	LT	POLE	40'	6'	1
	479	RAMP A - 21ST	1285+62.67	A1	LT	POLE	40'	3'	1
	480	21ST STREET	208+84.54	A4	LT	POLE	30'	6'	1
	481	21ST STREET	211+00.65	A4	LT	POLE	30'	6'	1, 5
	482	21ST STREET	210+83.63	A4	RT	POLE	30'	6'	1
	483	21ST STREET	210+13.91	A3	RT	POLE	30'	6'	1, 4
SHEET 2 OF 2	484	RAMP C - 21ST	3264+16.30	A4	RT	POLE	40'	6'	1
	485	RAMP C - 21ST	3262+93.15	A4	RT	POLE	40'	6'	1
	486	RAMP C - 21ST	3261+72.93	A4	RT	POLE	40'	6'	1
	487	RAMP C - 21ST	3260+53.97	A4	RT	POLE	40'	6'	1
	488	21ST STREET	226+34.99	A4	LT	POLE	30'	6'	1
	489	21ST STREET	227+53.98	A4	LT	POLE	30'	6'	1

GENERAL NOTES:

1. SEE ROADWAY LIGHT FIXTURE SCHEDULE SHEET 1 OF 9 FOR GENERAL NOTES, ROADWAY FIXTURE LOCATION TABLES KEYED NOTES, AND LIGHT FIXTURE ORIENTATION CONFIGURATIONS.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

ROADWAY LIGHT FIXTURE SCHEDULE
(SHEET 8 OF 9)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	KSR	9/17	CONTRACT NO. GCT-2500	
DETAILED	KSR	9/17		
CHECKED	WBG	9/17	DATE: 10/30/2017	SHEET NO. U012

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

ROADWAY FIXTURE LOCATION TABLE: KEYSTONE EXPRESSWAY SHEETS

	FIXTURE ID NO.	ROADWAY ALIGNMENT	STATIONING	FIXTURE TYPE	OFFSET	MOUNTING METHOD	MOUNTING HEIGHT	ARM LENGTH	KEYED NOTES
SHEET 1 OF 5	490	RAMP B - 65TH	2320+23.51	A1	RT	POLE	40'	3'	1
	491	RAMP B - 65TH	2321+89.83	A1	RT	POLE	40'	3'	1
	492	RAMP B - 65TH	2323+65.32	A1	RT	POLE	40'	3'	1
	493	RAMP B - 65TH	2325+37.03	A1	RT	POLE	40'	3'	1
	494	RAMP B - 65TH	2327+07.91	A1	RT	POLE	40'	3'	1
	495	RAMP B - 65TH	2328+75.56	A1	RT	POLE	40'	3'	1
	496	RAMP A - 65TH	1325+70.44	A1	LT	POLE	40'	6'	1
	497	RAMP A - 65TH	1327+41.11	A1	LT	POLE	40'	6'	1
	498	RAMP A - 65TH	1329+11.17	A1	LT	POLE	40'	6'	1
SHEET 2 OF 5	499	RAMP A - 65TH	1330+81.71	A1	LT	POLE	40'	6'	1
	500	RAMP A - 65TH	1332+52.17	A1	LT	POLE	40'	6'	1
	501	RAMP A - 65TH	1334+23.42	A1	LT	POLE	40'	6'	1
	502	RAMP A - 65TH	1335+94.77	A1	LT	POLE	40'	6'	1
	503	RAMP A - 65TH	1337+66.78	A1	LT	POLE	40'	6'	1
	504	RAMP A - 65TH	1339+38.02	A1	LT	POLE	40'	6'	1
	505	NORTH C-D	6341+08.06	A1	LT	POLE	40'	6'	1
	506	NORTH C-D	6342+77.74	A1	LT	POLE	40'	6'	1
	507	NORTH C-D	6344+57.06	A1	LT	POLE	40'	6'	1
	508	RAMP B - 65TH	2330+45.63	A1	RT	POLE	40'	3'	1
	509	RAMP B - 65TH	2332+17.13	A1	RT	POLE	40'	3'	1
	510	RAMP B - 65TH	2333+86.47	A3	RT	POLE	40'	6'	1
	511	RAMP B - 65TH	2335+56.38	A3	RT	POLE	40'	6'	1
	512	RAMP B - 65TH	2337+24.98	A1	RT	POLE	40'	6'	1
	513	SOUTH C-D	5338+94.49	A1	RT	POLE	40'	6'	1
	514	SOUTH C-D	5340+64.65	A1	RT	POLE	40'	6'	1
	515	SOUTH C-D	5342+38.06	A1	RT	POLE	40'	6'	1
	516	SOUTH C-D	5344+12.66	A1	RT	POLE	40'	6'	1
SHEET 3 OF 5	517	NORTH C-D	6346+13.63	A1	LT	POLE	40'	6'	1
	518	NORTH C-D	6347+81.29	A1	LT	POLE	40'	6'	1
	519	NORTH C-D	6349+48.98	A1	LT	POLE	40'	6'	1
	520	NORTH C-D	6351+16.80	A1	LT	POLE	40'	6'	1
	521	NORTH C-D	6353+64.88	A4	RT	POLE	40'	6'	1
	522	NORTH C-D	6353+78.13	A4	LT	POLE	40'	6'	1
	523	NORTH C-D	6355+35.24	A1	LT	POLE	40'	6'	1
	524	NORTH C-D	6357+05.47	A1	LT	POLE	40'	6'	1
	525	NORTH C-D	6358+75.61	A1	LT	POLE	40'	6'	1
	526	NORTH C-D	6360+45.35	A1	LT	POLE	40'	6'	1
	527	SOUTH C-D	5345+56.41	A2	RT	POLE	40'	6'	1 5
	528	SOUTH C-D	5345+82.56	A4	LT	POLE	40'	6'	1
	529	SOUTH C-D	5348+07.94	A2	RT	POLE	40'	6'	1
	530	SOUTH C-D	5349+77.77	A1	RT	POLE	40'	6'	1
	531	SOUTH C-D	5351+45.98	A1	RT	POLE	40'	6'	1
	532	SOUTH C-D	5353+12.69	A1	RT	POLE	40'	6'	1
	533	SOUTH C-D	5354+80.44	A1	RT	POLE	40'	6'	1
	534	SOUTH C-D	5356+50.80	A1	RT	POLE	40'	6'	1
	535	SOUTH C-D	5358+20.64	A1	RT	POLE	40'	6'	1
SHEET 4 OF 5	536	RAMP D - 49TH	4362+17.66	A1	LT	POLE	40'	6'	1
	537	RAMP D - 49TH	4363+85.82	A2	LT	POLE	40'	6'	1
	538	RAMP D - 49TH	4365+55.11	A1	LT	POLE	40'	6'	1
	539	NORTH C-D	4365+77.22	A1	RT	POLE	40'	3'	1
	540	RAMP D - 49TH	4367+25.60	A1	LT	POLE	40'	3'	1
	541	RAMP D - 49TH	4368+95.48	A1	LT	POLE	40'	3'	1
	542	RAMP D - 49TH	4370+65.44	A1	LT	POLE	40'	3'	1
	543	RAMP D - 49TH	4372+35.67	A1	LT	POLE	40'	3'	1
	544	RAMP D - 49TH	4374+06.61	A1	LT	POLE	40'	3'	1
	545	RAMP C - 49TH	3359+92.17	A1	RT	POLE	40'	6'	1
	546	RAMP C - 49TH	3361+63.92	A2	RT	POLE	40'	6'	1
	547	SOUTH C-D	5363+41.66	A1	RT	POLE	40'	3'	1
	548	RAMP C - 49TH	3363+36.31	A1	RT	POLE	40'	3'	1
	549	RAMP C - 49TH	3365+09.02	A1	RT	POLE	40'	3'	1
	550	RAMP C - 49TH	3366+79.62	A1	RT	POLE	40'	3'	1
	551	RAMP C - 49TH	3368+48.83	A1	RT	POLE	40'	3'	1
	552	RAMP C - 49TH	3370+19.76	A1	RT	POLE	40'	3'	1
	553	RAMP C - 49TH	3371+88.78	A1	RT	POLE	40'	3'	1
SHEET 5 OF 5	554	RAMP D - 65TH	4375+76.61	A1	LT	POLE	40'	3'	1
	555	RAMP D - 65TH	4377+46.59	A1	LT	POLE	40'	3'	1
	556	RAMP D - 65TH	4379+17.08	A1	LT	POLE	40'	3'	1
	557	RAMP C - 49TH	3373+59.83	A1	RT	POLE	40'	3'	1
	558	RAMP C - 65TH	3375+30.85	A1	RT	POLE	40'	3'	1
	559	RAMP C - 65TH	3376+99.98	A1	RT	POLE	40'	3'	1

50% plans

GENERAL NOTES:

1. SEE ROADWAY LIGHT FIXTURE SCHEDULE SHEET 1 OF 9 FOR GENERAL NOTES, ROADWAY FIXTURE LOCATION TABLES KEYED NOTES, AND LIGHT FIXTURE ORIENTATION CONFIGURATIONS.

LIGHTING LAYOUT PLAN KEYED NOTES (SEE NEXT 29 SHEETS):

1. INSTALL NEW TRENCHED PVC CONDUIT BETWEEN LIGHT POLE PULL BOXES. (TYP.)
2. INSTALL GROUND MOUNTED POLE AND PULL BOX. SEE LIGHT FIXTURE SCHEDULE SHEETS 1-9 FOR POLE LOCATIONS, FIXTURE TYPES, ARM LENGTHS, AND CIRCUITING INFORMATION. (TYP.)
3. INSTALL WALL MOUNT LIGHT FIXTURE ON PIER CAP. WALL MOUNT LIGHT FIXTURE SHALL BE PLACED AT THE STATIONING SHOWN ON THE LIGHT POLE SCHEDULE AND CENTERED IN ELEVATION ON THE PIER CAP. SEE ODOT STANDARD DETAIL UPDI-1-00 FOR MOUNTING DETAILS AND MORE INFORMATION. (TYP.)
4. INSTALL BLISTER PACK MOUNTED POLE AND PULL BOX. SEE LIGHT FIXTURE SCHEDULE SHEETS 1-9 FOR POLE LOCATIONS, FIXTURE TYPES, ARM LENGTHS, AND CIRCUITING INFORMATION. (TYPICAL OF LIGHTS MOUNTED ON BRIDGES)
5. INSTALL NEW EXPOSED GRSC ALONG THE BRIDGE STRUCTURE. CONDUITS SHALL TRANSITION FROM PVC TO GRSC A MINIMUM OF 3' PRIOR TO EMERGING FROM THE GROUND.
6. SEE LIGHTING LAYOUT PLANS 21ST STREET FOR MORE LIGHT PLANS ON THIS ROADWAY.
7. SEE LIGHTING LAYOUT PLANS 41ST STREET FOR MORE LIGHT PLANS ON THIS ROADWAY.
8. SEE LIGHTING LAYOUT PLANS 51ST STREET FOR MORE LIGHT PLANS ON THIS ROADWAY.
9. SEE LIGHTING LAYOUT PLANS 51ST FRONTAGE STREET FOR MORE LIGHT PLANS ON THIS ROADWAY.
10. SEE LIGHTING LAYOUT PLANS KEYSTONE EXPRESSWAY FOR MORE LIGHT PLANS ON THIS ROADWAY.
11. SEE LIGHTING LAYOUT PLANS GILCREASE EXPRESSWAY FOR MORE LIGHT PLANS ON THIS ROADWAY.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

ROADWAY LIGHT FIXTURE SCHEDULE (SHEET 9 OF 9)

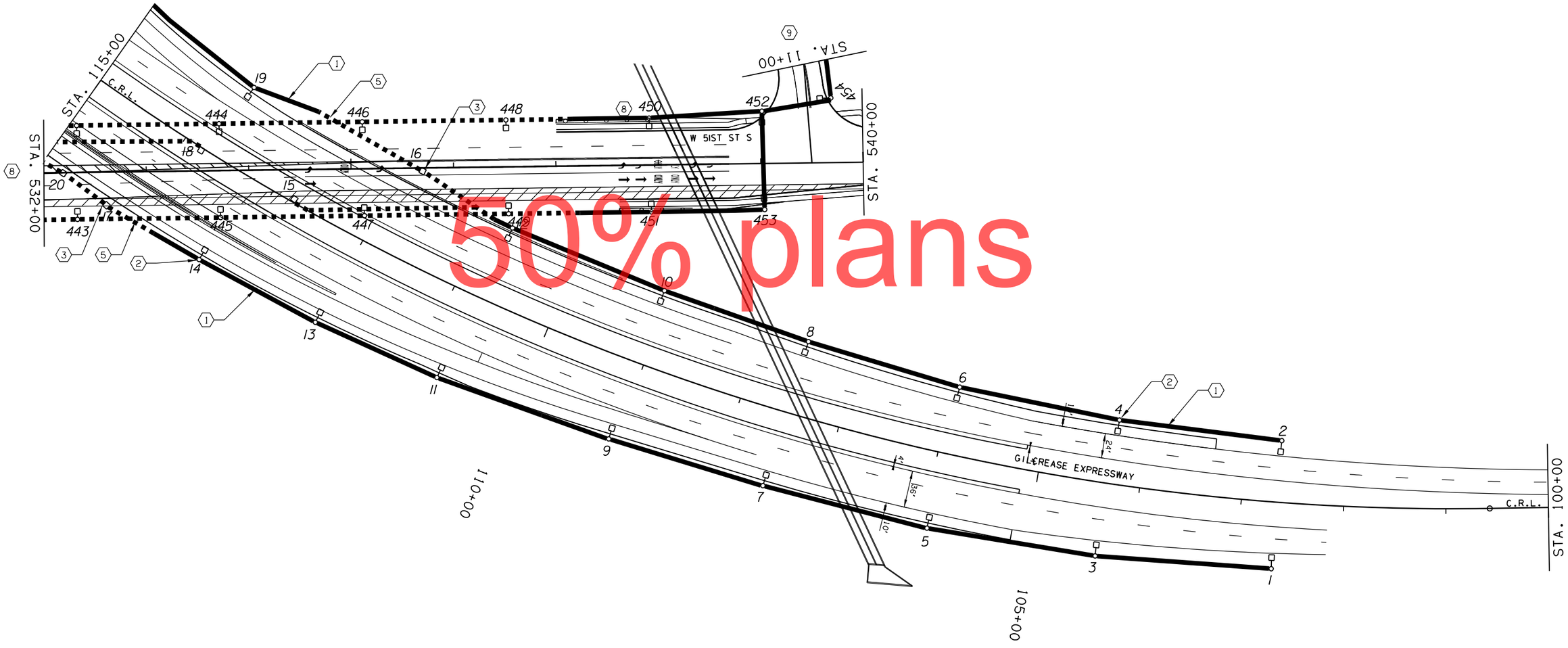
GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	KSR	9/17	CONTRACT NO. GCT-2500	
DETAILED	KSR	9/17		
CHECKED	WBG	9/17	DATE: 10/30/2017	SHEET NO. U013

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

0 50 100 150
SCALE

PROPOSED R/W
10/30/2017



50% plans

GENERAL PLAN NOTES:

1. SEE LIGHT FIXTURE SCHEDULE SHEET AND ROADWAY LIGHT FIXTURE SCHEDULE SHEETS FOR PLAN KEYED NOTES, LIGHT POLE LOCATIONS, WALL PACK LOCATIONS, AND FIXTURE SCHEDULES.

2. PULL BOX AND GROUND ROD AT EACH LIGHT POLE LOCATION NOT SHOWN FOR CLARITY.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

LIGHTING LAYOUT PLANS GILCREASE EXPRESSWAY (1 OF 19)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	KSR	9/17	CONTRACT NO. GCT-2500	
DETAILED	KSR	9/17		
CHECKED	KSR	9/17	DATE: 10/30/2017	SHEET NO. U014

50% plans

OKLAHOMA TURNPIKE AUTHORITY

SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

0 50 100 150
SCALE

PROPOSED R/W
10/30/2017

STA. 3118+00 & STA 1124+51.10
STA. 526+00
STA. 531+00
STA. 530+00
STA. 3129+83.14
STA. 115+00
STA. 130+00
STA. 2115+00
STA. 4130+15.74
STA. 20+00
STA. 23+00
1120+00
2120+00
3120+00
3125+00
125+00
4125+00
4122+00

W 51ST ST S
TRAIL
RAMP A - 51ST
RAMP B - 51ST
RAMP C - 51ST
RAMP D - 51ST
GILCREASE EXPRESSWAY
C.R.L.
C.R.L.
51ST ST FRONTAGE
MATCHLINE 51ST FRONTAGE STREET
SHEET 1 OF 1
MATCHLINE 51ST FRONTAGE STREET
SHEET 1 OF 1

GENERAL PLAN NOTES:

1. SEE LIGHT FIXTURE SCHEDULE SHEET AND ROADWAY LIGHT FIXTURE SCHEDULE SHEETS FOR PLAN KEYED NOTES, LIGHT POLE LOCATIONS, WALL PACK LOCATIONS, AND FIXTURE SCHEDULES.
2. PULL BOX AND GROUND ROD AT EACH LIGHT POLE LOCATION NOT SHOWN FOR CLARITY.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

LIGHTING LAYOUT PLANS GILCREASE EXPRESSWAY (2 OF 19)

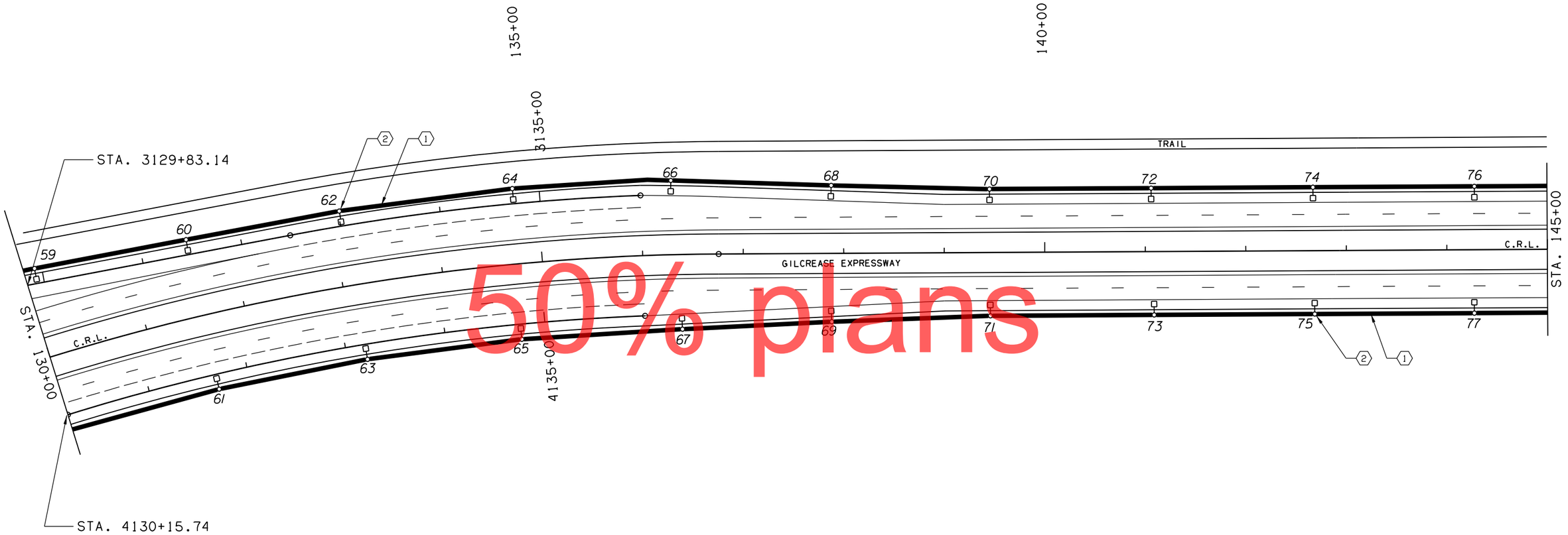
GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	KSR	9/17	CONTRACT NO. GCT-2500	
DETAILED	KSR	9/17		
CHECKED	KSR	9/17	DATE: 10/30/2017	SHEET NO. U015

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

0 50 100 150
SCALE

PROPOSED R/W
10/30/2017



50% plans

GENERAL PLAN NOTES:

1. SEE LIGHT FIXTURE SCHEDULE SHEET AND ROADWAY LIGHT FIXTURE SCHEDULE SHEETS FOR PLAN KEYED NOTES, LIGHT POLE LOCATIONS, WALL PACK LOCATIONS, AND FIXTURE SCHEDULES.

2. PULL BOX AND GROUND ROD AT EACH LIGHT POLE LOCATION NOT SHOWN FOR CLARITY.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

LIGHTING LAYOUT PLANS GILCREASE EXPRESSWAY (3 OF 19)

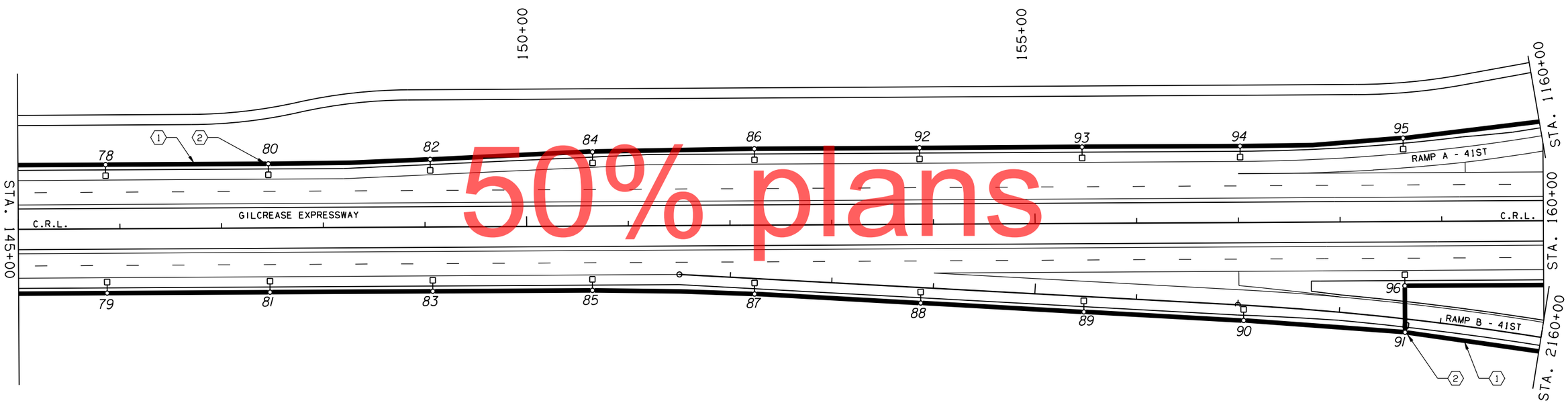
GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	KSR	9/17	CONTRACT NO. GCT-2500	
DETAILED	KSR	9/17		
CHECKED	KSR	9/17	DATE: 10/30/2017	SHEET NO. U016

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

0 50 100 150
SCALE

PROPOSED R/W
10/30/2017



50% plans

GENERAL PLAN NOTES:

1. SEE LIGHT FIXTURE SCHEDULE SHEET AND ROADWAY LIGHT FIXTURE SCHEDULE SHEETS FOR PLAN KEYED NOTES, LIGHT POLE LOCATIONS, WALL PACK LOCATIONS, AND FIXTURE SCHEDULES.

2. PULL BOX AND GROUND ROD AT EACH LIGHT POLE LOCATION NOT SHOWN FOR CLARITY.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

LIGHTING LAYOUT PLANS GILCREASE EXPRESSWAY (4 OF 19)

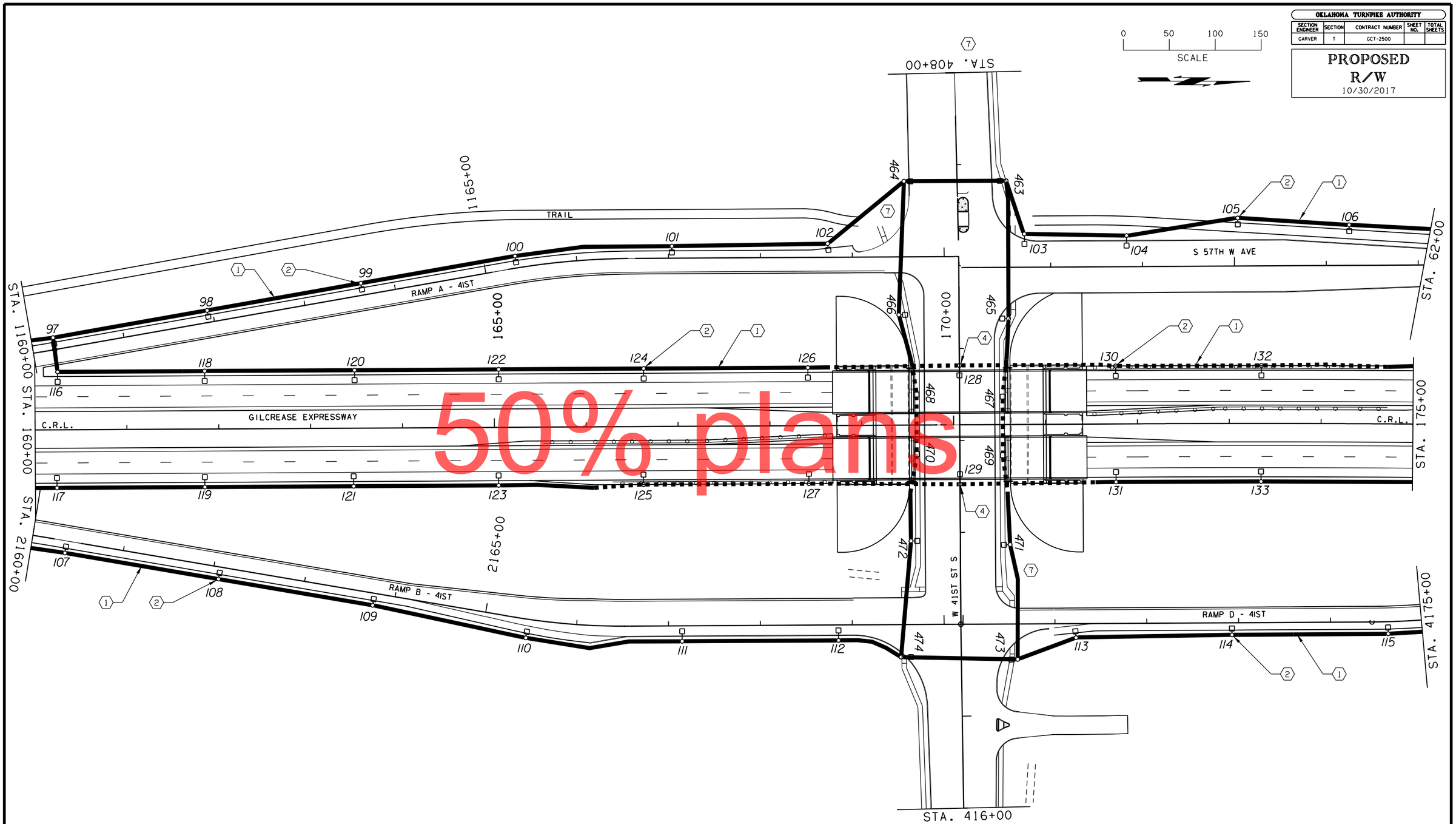
GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	KSR	9/17	CONTRACT NO. GCT-2500	
DETAILED	KSR	9/17		
CHECKED	KSR	9/17	DATE: 10/30/2017	SHEET NO. U017

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

0 50 100 150
SCALE

PROPOSED R/W
10/30/2017



50% plans

GENERAL PLAN NOTES:

1. SEE LIGHT FIXTURE SCHEDULE SHEET AND ROADWAY LIGHT FIXTURE SCHEDULE SHEETS FOR PLAN KEYED NOTES, LIGHT POLE LOCATIONS, WALL PACK LOCATIONS, AND FIXTURE SCHEDULES.

2. PULL BOX AND GROUND ROD AT EACH LIGHT POLE LOCATION NOT SHOWN FOR CLARITY.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

LIGHTING LAYOUT PLANS GILCREASE EXPRESSWAY (5 OF 19)

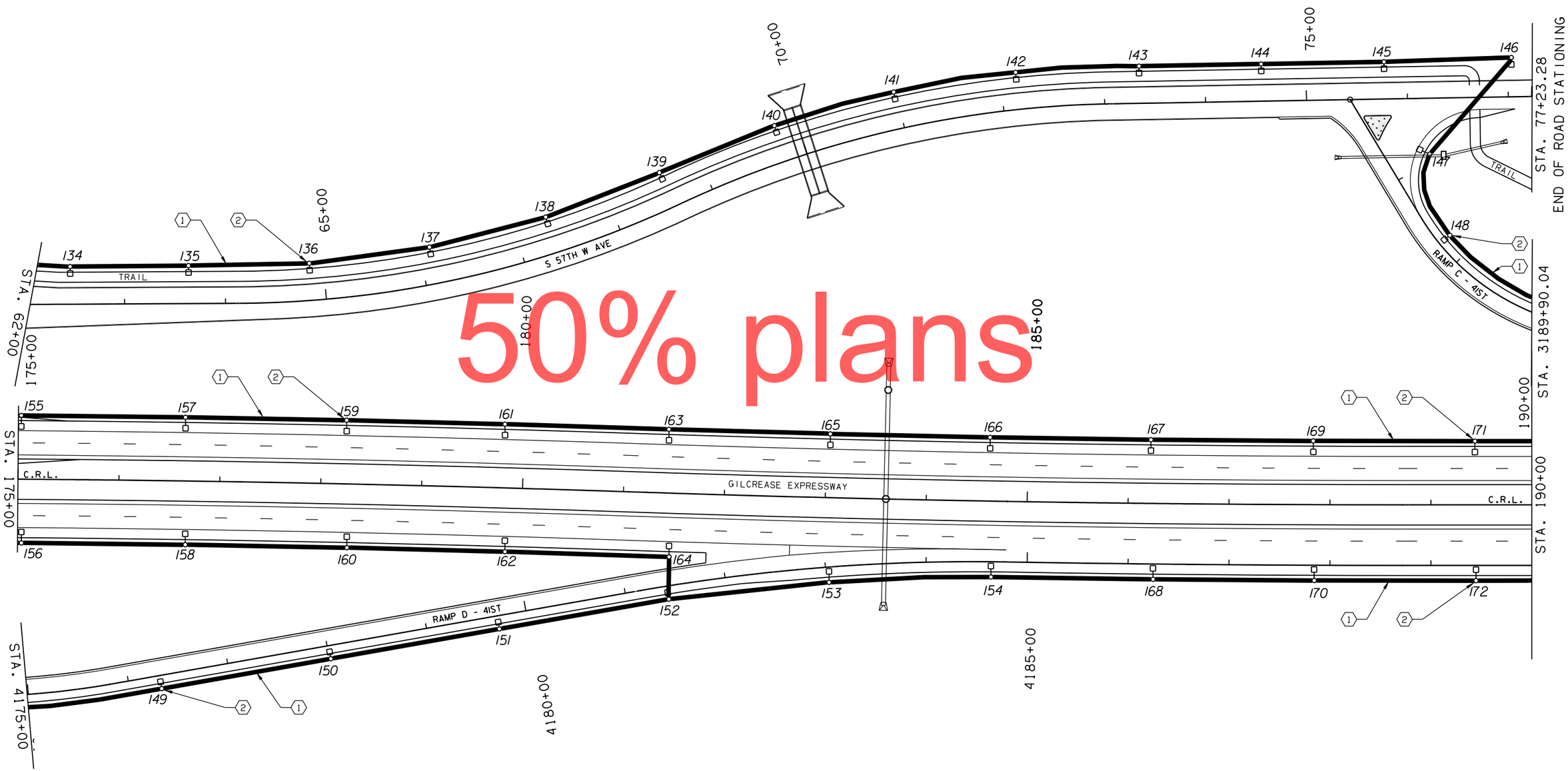
GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	KSR	9/17	CONTRACT NO. GCT-2500	
DETAILED	KSR	9/17		
CHECKED	KSR	9/17	DATE: 10/30/2017	SHEET NO. U018

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

0 50 100 150
SCALE

PROPOSED R/W
10/30/2017



50% plans

GENERAL PLAN NOTES:

1. SEE LIGHT FIXTURE SCHEDULE SHEET AND ROADWAY LIGHT FIXTURE SCHEDULE SHEETS FOR PLAN KEYED NOTES, LIGHT POLE LOCATIONS, WALL PACK LOCATIONS, AND FIXTURE SCHEDULES.

2. PULL BOX AND GROUND ROD AT EACH LIGHT POLE LOCATION NOT SHOWN FOR CLARITY.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

LIGHTING LAYOUT PLANS GILCREASE EXPRESSWAY (6 OF 19)

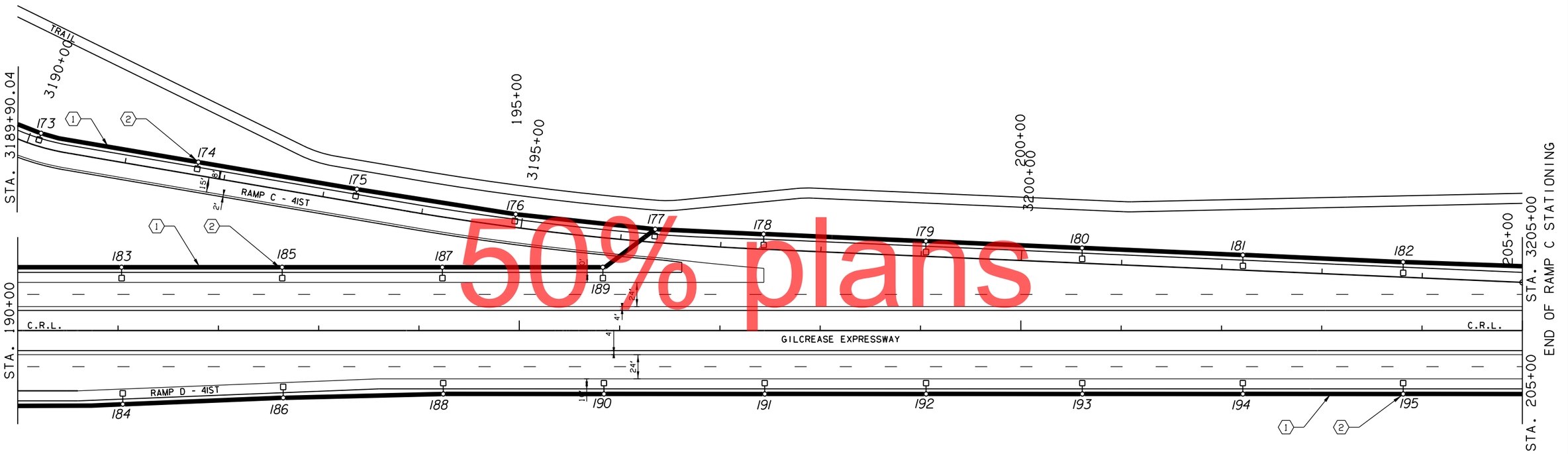
GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	KSR	9/17	CONTRACT NO. GCT-2500	
DETAILED	KSR	9/17		
CHECKED	KSR	9/17	DATE: 10/30/2017	SHEET NO. U019

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

0 50 100 150
SCALE

PROPOSED R/W
10/30/2017



50% plans

GENERAL PLAN NOTES:

1. SEE LIGHT FIXTURE SCHEDULE SHEET AND ROADWAY LIGHT FIXTURE SCHEDULE SHEETS FOR PLAN KEYED NOTES, LIGHT POLE LOCATIONS, WALL PACK LOCATIONS, AND FIXTURE SCHEDULES.

2. PULL BOX AND GROUND ROD AT EACH LIGHT POLE LOCATION NOT SHOWN FOR CLARITY.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

LIGHTING LAYOUT PLANS GILCREASE EXPRESSWAY (7 OF 19)

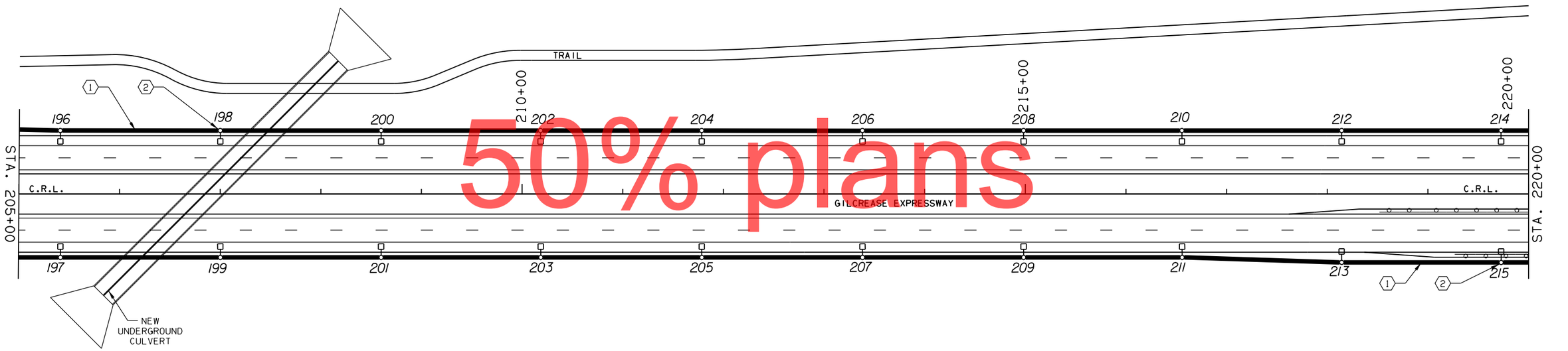
GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	KSR	9/17	CONTRACT NO. GCT-2500	
DETAILED	KSR	9/17		
CHECKED	KSR	9/17	DATE: 10/30/2017	SHEET NO. U020

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

0 50 100 150
SCALE

PROPOSED R/W
10/30/2017



50% plans

GENERAL PLAN NOTES:

1. SEE LIGHT FIXTURE SCHEDULE SHEET AND ROADWAY LIGHT FIXTURE SCHEDULE SHEETS FOR PLAN KEYED NOTES, LIGHT POLE LOCATIONS, WALL PACK LOCATIONS, AND FIXTURE SCHEDULES.

2. PULL BOX AND GROUND ROD AT EACH LIGHT POLE LOCATION NOT SHOWN FOR CLARITY.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

LIGHTING LAYOUT PLANS GILCREASE EXPRESSWAY (8 OF 19)

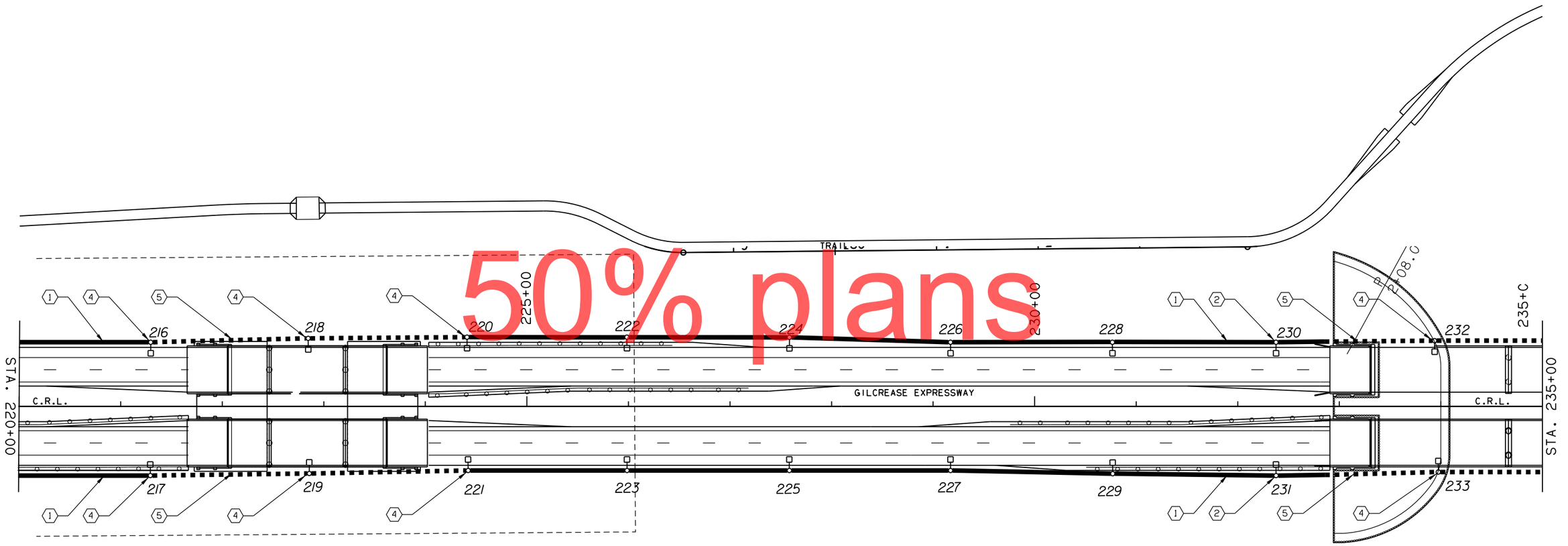
GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	KSR	9/17	CONTRACT NO. GCT-2500	
DETAILED	KSR	9/17		
CHECKED	KSR	9/17	DATE: 10/30/2017	SHEET NO. U021

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

0 50 100 150
SCALE

PROPOSED R/W
10/30/2017



50% plans

GENERAL PLAN NOTES:

1. SEE LIGHT FIXTURE SCHEDULE SHEET AND ROADWAY LIGHT FIXTURE SCHEDULE SHEETS FOR PLAN KEYED NOTES, LIGHT POLE LOCATIONS, WALL PACK LOCATIONS, AND FIXTURE SCHEDULES.

2. PULL BOX AND GROUND ROD AT EACH LIGHT POLE LOCATION NOT SHOWN FOR CLARITY.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

LIGHTING LAYOUT PLANS GILCREASE EXPRESSWAY (9 OF 19)

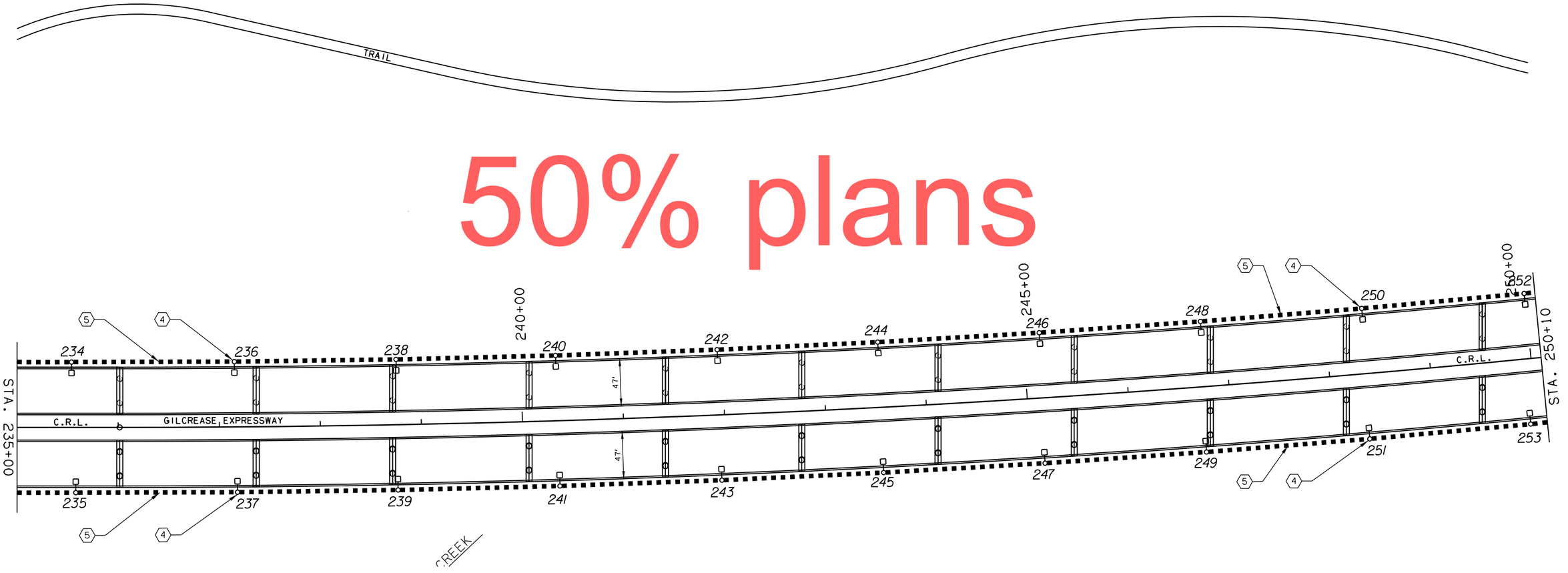
GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	KSR	9/17	CONTRACT NO. GCT-2500	
DETAILED	KSR	9/17		
CHECKED	KSR	9/17	DATE: 10/30/2017	SHEET NO. U022

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

0 50 100 150
SCALE

PROPOSED R/W
10/30/2017



GENERAL PLAN NOTES:

1. SEE LIGHT FIXTURE SCHEDULE SHEET AND ROADWAY LIGHT FIXTURE SCHEDULE SHEETS FOR PLAN KEYED NOTES, LIGHT POLE LOCATIONS, WALL PACK LOCATIONS, AND FIXTURE SCHEDULES.

2. PULL BOX AND GROUND ROD AT EACH LIGHT POLE LOCATION NOT SHOWN FOR CLARITY.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

LIGHTING LAYOUT PLANS GILCREASE EXPRESSWAY (10 OF 19)

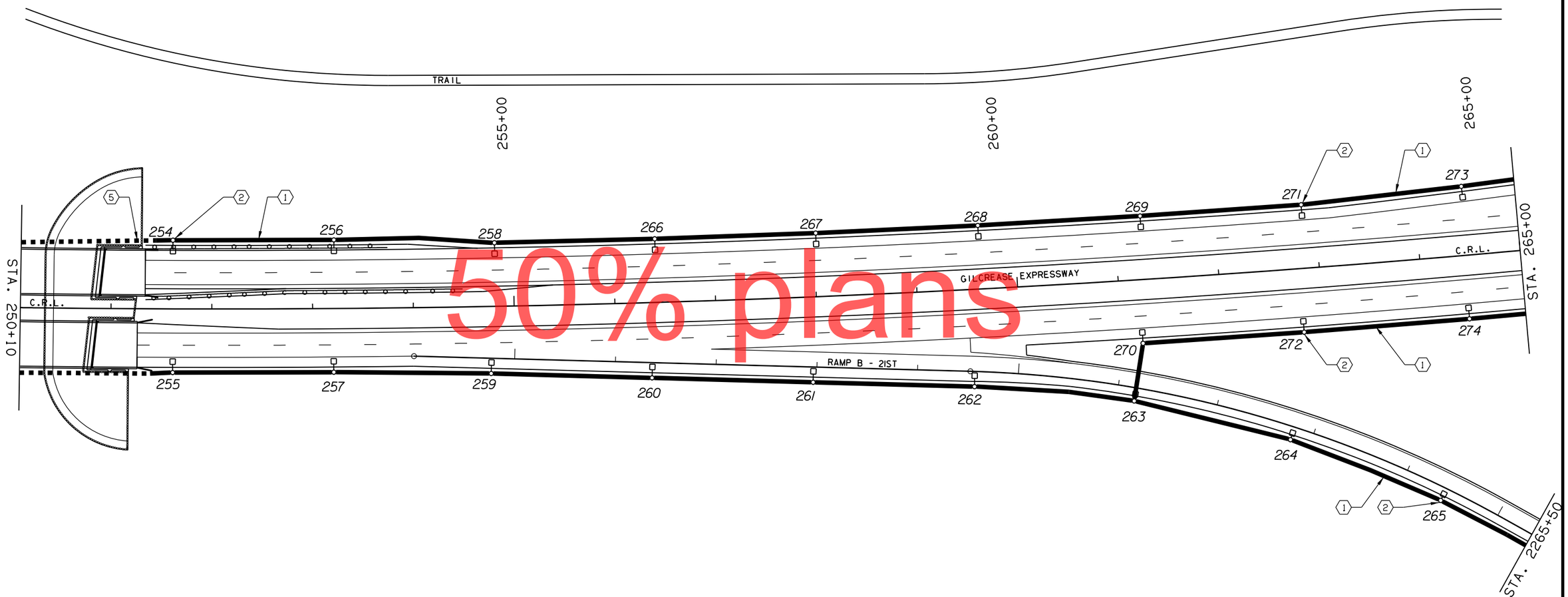
GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	KSR	9/17	CONTRACT NO. GCT-2500	
DETAILED	KSR	9/17		
CHECKED	KSR	9/17	DATE: 10/30/2017	SHEET NO. U023

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

0 50 100 150
SCALE

PROPOSED R/W
10/30/2017



50% plans

GENERAL PLAN NOTES:

1. SEE LIGHT FIXTURE SCHEDULE SHEET AND ROADWAY LIGHT FIXTURE SCHEDULE SHEETS FOR PLAN KEYED NOTES, LIGHT POLE LOCATIONS, WALL PACK LOCATIONS, AND FIXTURE SCHEDULES.

2. PULL BOX AND GROUND ROD AT EACH LIGHT POLE LOCATION NOT SHOWN FOR CLARITY.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

LIGHTING LAYOUT PLANS GILCREASE EXPRESSWAY (11 OF 19)

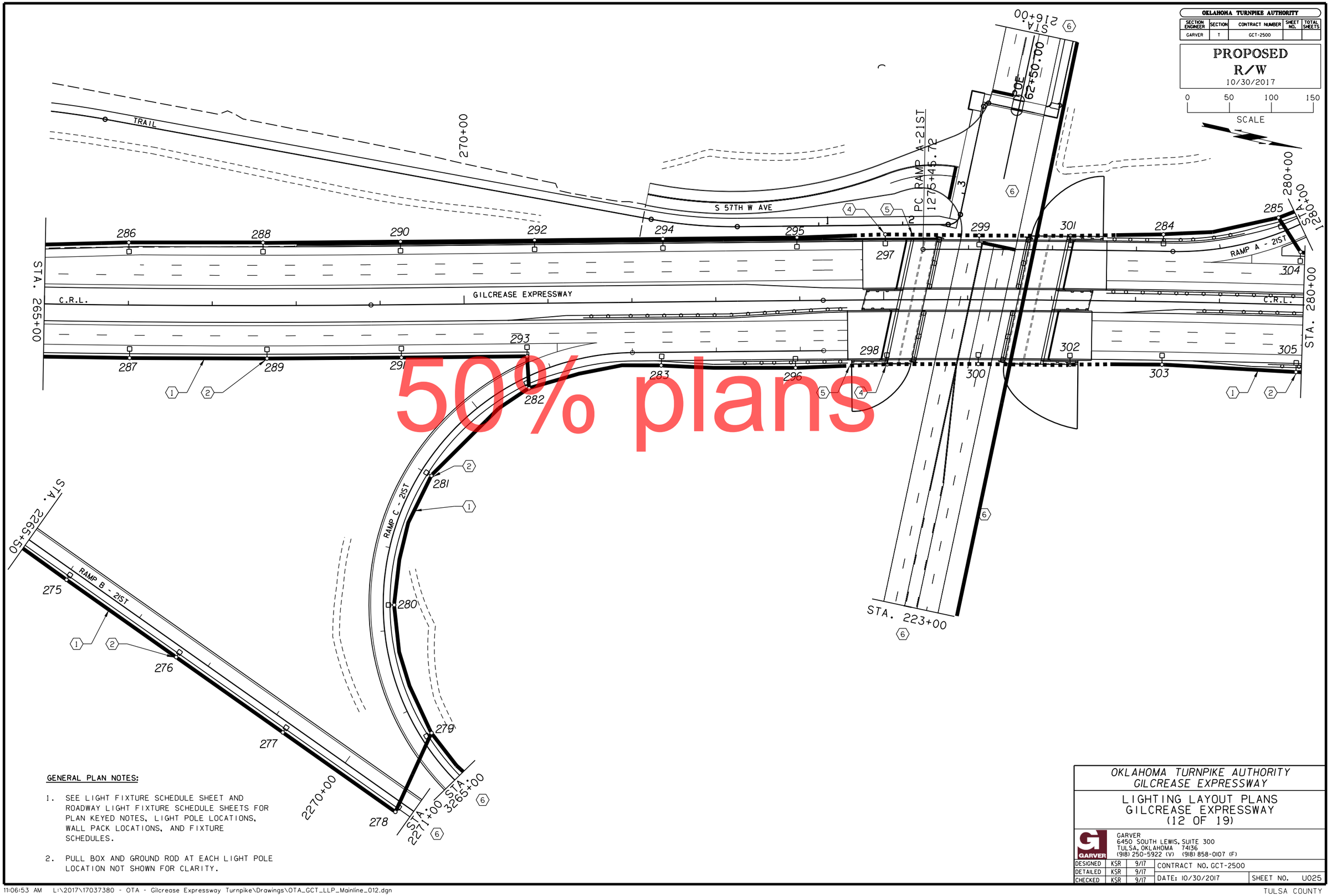
GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	KSR	9/17	CONTRACT NO. GCT-2500	
DETAILED	KSR	9/17		
CHECKED	KSR	9/17	DATE: 10/30/2017	SHEET NO. U024

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

0 50 100 150
SCALE



50% plans

GENERAL PLAN NOTES:

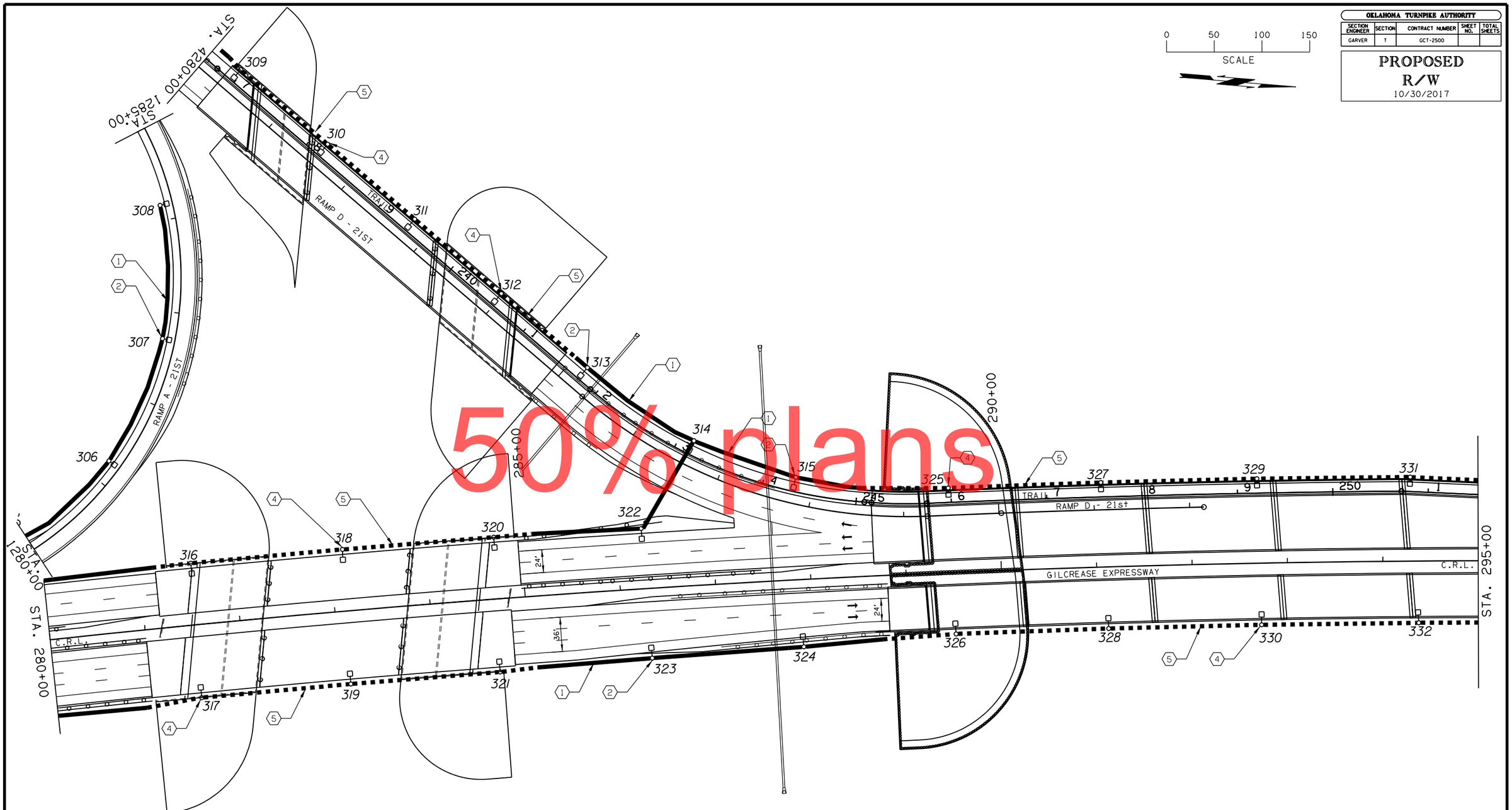
1. SEE LIGHT FIXTURE SCHEDULE SHEET AND ROADWAY LIGHT FIXTURE SCHEDULE SHEETS FOR PLAN KEYED NOTES, LIGHT POLE LOCATIONS, WALL PACK LOCATIONS, AND FIXTURE SCHEDULES.
2. PULL BOX AND GROUND ROD AT EACH LIGHT POLE LOCATION NOT SHOWN FOR CLARITY.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

LIGHTING LAYOUT PLANS GILCREASE EXPRESSWAY (12 OF 19)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	KSR	9/17	CONTRACT NO. GCT-2500	
DETAILED	KSR	9/17		
CHECKED	KSR	9/17	DATE: 10/30/2017	SHEET NO. U025



50% plans

0 50 100 150
SCALE

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

GENERAL PLAN NOTES:

1. SEE LIGHT FIXTURE SCHEDULE SHEET AND ROADWAY LIGHT FIXTURE SCHEDULE SHEETS FOR PLAN KEYED NOTES, LIGHT POLE LOCATIONS, WALL PACK LOCATIONS, AND FIXTURE SCHEDULES.

2. PULL BOX AND GROUND ROD AT EACH LIGHT POLE LOCATION NOT SHOWN FOR CLARITY.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

LIGHTING LAYOUT PLANS GILCREASE EXPRESSWAY (13 OF 19)

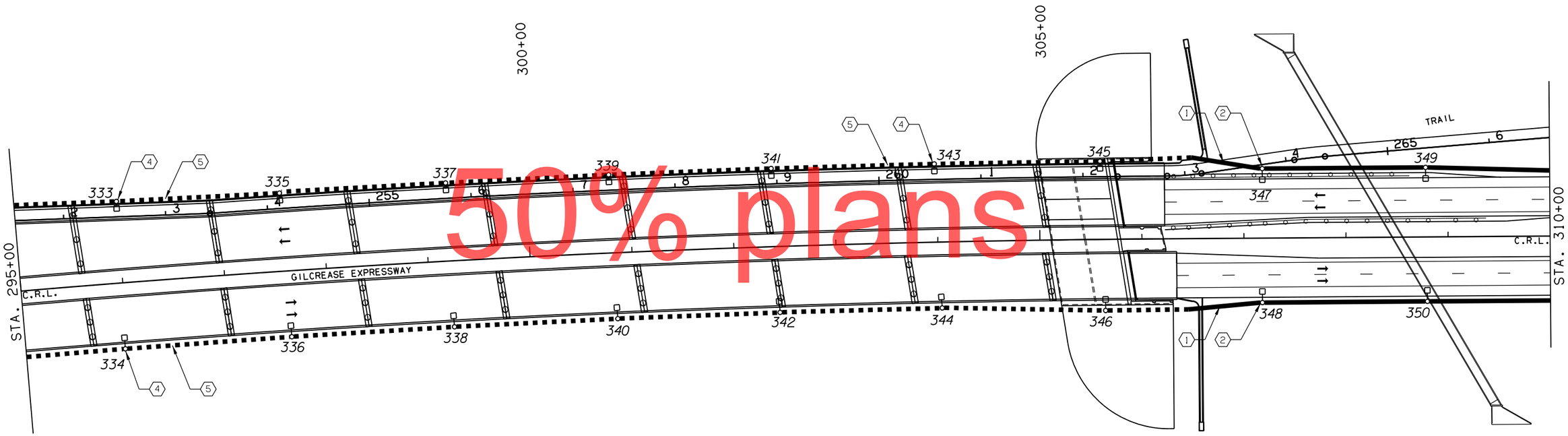
GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	KSR	9/17	CONTRACT NO. GCT-2500	
DETAILED	KSR	9/17		
CHECKED	WBG	9/17	DATE: 10/30/2017	SHEET NO. U026

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

0 50 100 150
SCALE

PROPOSED R/W
10/30/2017



50% plans

GENERAL PLAN NOTES:

1. SEE LIGHT FIXTURE SCHEDULE SHEET AND ROADWAY LIGHT FIXTURE SCHEDULE SHEETS FOR PLAN KEYED NOTES, LIGHT POLE LOCATIONS, WALL PACK LOCATIONS, AND FIXTURE SCHEDULES.

2. PULL BOX AND GROUND ROD AT EACH LIGHT POLE LOCATION NOT SHOWN FOR CLARITY.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

LIGHTING LAYOUT PLANS GILCREASE EXPRESSWAY (14 OF 19)

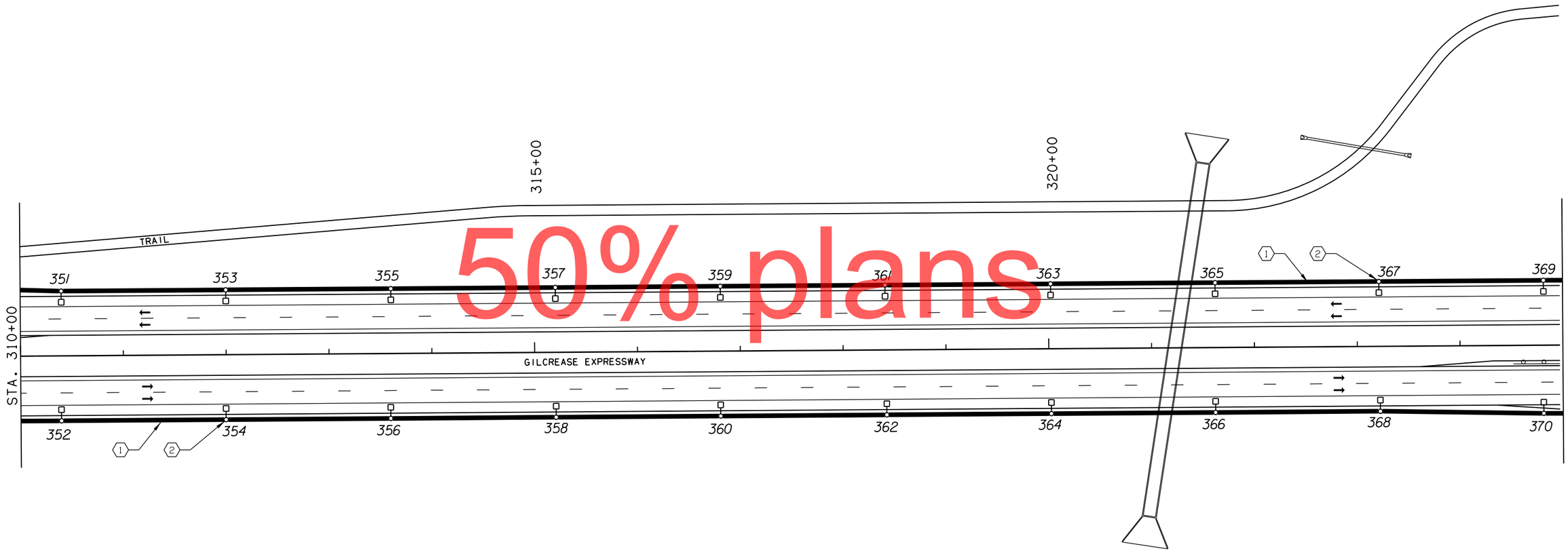
GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	KSR	9/17	CONTRACT NO. GCT-2500	
DETAILED	KSR	9/17		
CHECKED	WBG	9/17	DATE: 10/30/2017	SHEET NO. U027

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

0 50 100 150
SCALE

PROPOSED R/W
10/30/2017



50% plans

GENERAL PLAN NOTES:

1. SEE LIGHT FIXTURE SCHEDULE SHEET AND ROADWAY LIGHT FIXTURE SCHEDULE SHEETS FOR PLAN KEYED NOTES, LIGHT POLE LOCATIONS, WALL PACK LOCATIONS, AND FIXTURE SCHEDULES.

2. PULL BOX AND GROUND ROD AT EACH LIGHT POLE LOCATION NOT SHOWN FOR CLARITY.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

LIGHTING LAYOUT PLANS GILCREASE EXPRESSWAY (15 OF 19)

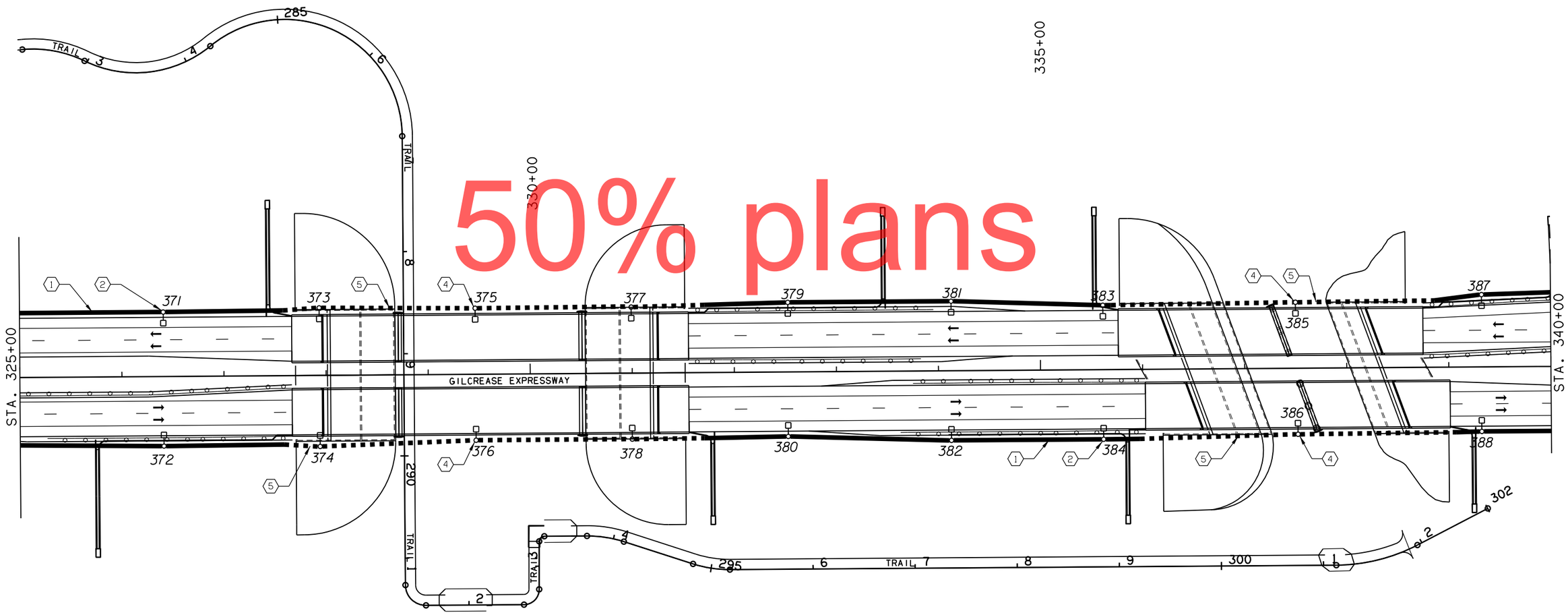
GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	KSR	9/17	CONTRACT NO. GCT-2500	
DETAILED	KSR	9/17		
CHECKED	WBG	9/17	DATE: 10/30/2017	SHEET NO. U028

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

0 50 100 150
SCALE

PROPOSED R/W
10/30/2017



50% plans

GENERAL PLAN NOTES:

1. SEE LIGHT FIXTURE SCHEDULE SHEET AND ROADWAY LIGHT FIXTURE SCHEDULE SHEETS FOR PLAN KEYED NOTES, LIGHT POLE LOCATIONS, WALL PACK LOCATIONS, AND FIXTURE SCHEDULES.

2. PULL BOX AND GROUND ROD AT EACH LIGHT POLE LOCATION NOT SHOWN FOR CLARITY.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

LIGHTING LAYOUT PLANS GILCREASE EXPRESSWAY (16 OF 19)

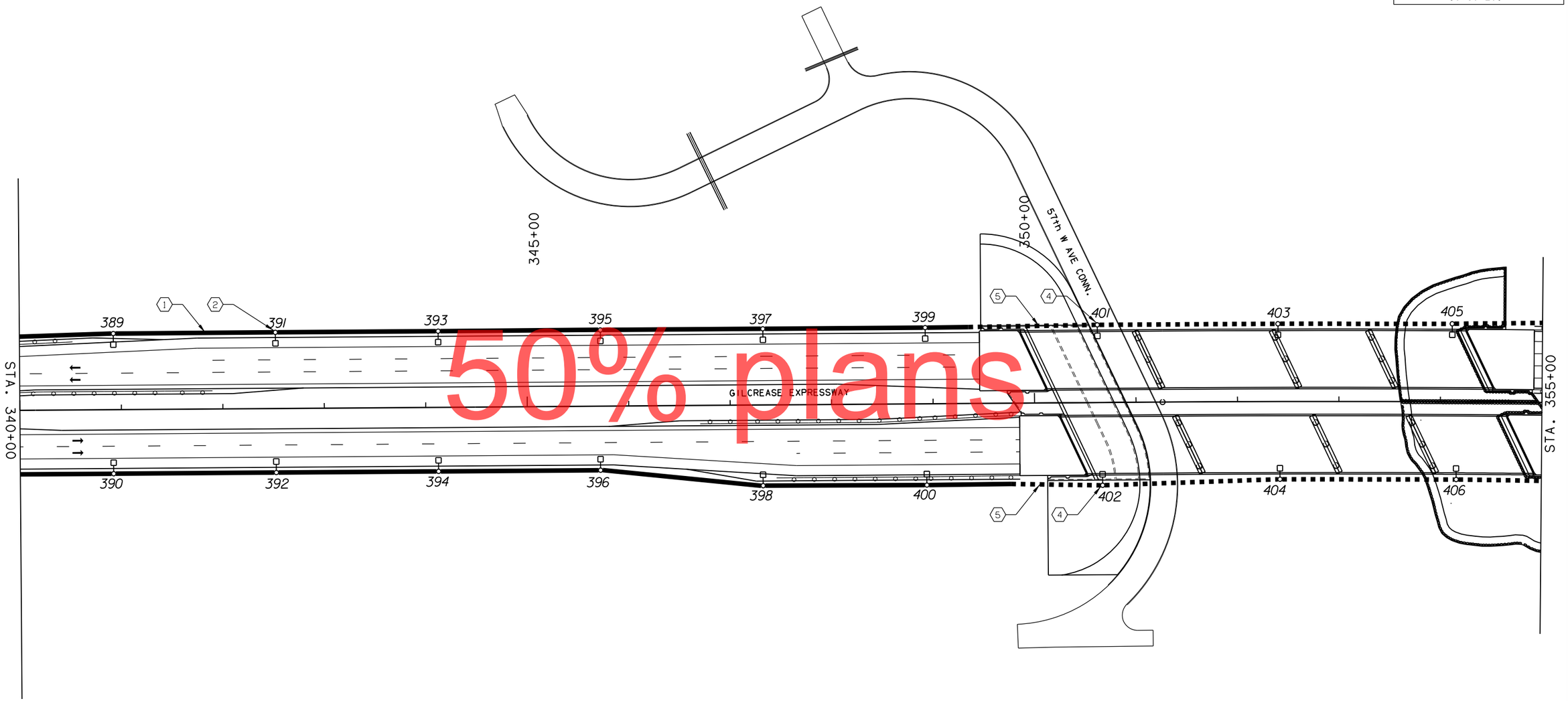
GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	KSR	9/17	CONTRACT NO. GCT-2500	
DETAILED	KSR	9/17		
CHECKED	WBG	9/17	DATE: 10/30/2017	SHEET NO. U029

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

0 50 100 150
SCALE

PROPOSED R/W
10/30/2017



50% plans

GENERAL PLAN NOTES:

1. SEE LIGHT FIXTURE SCHEDULE SHEET AND ROADWAY LIGHT FIXTURE SCHEDULE SHEETS FOR PLAN KEYED NOTES, LIGHT POLE LOCATIONS, WALL PACK LOCATIONS, AND FIXTURE SCHEDULES.

2. PULL BOX AND GROUND ROD AT EACH LIGHT POLE LOCATION NOT SHOWN FOR CLARITY.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

LIGHTING LAYOUT PLANS GILCREASE EXPRESSWAY (17 OF 19)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

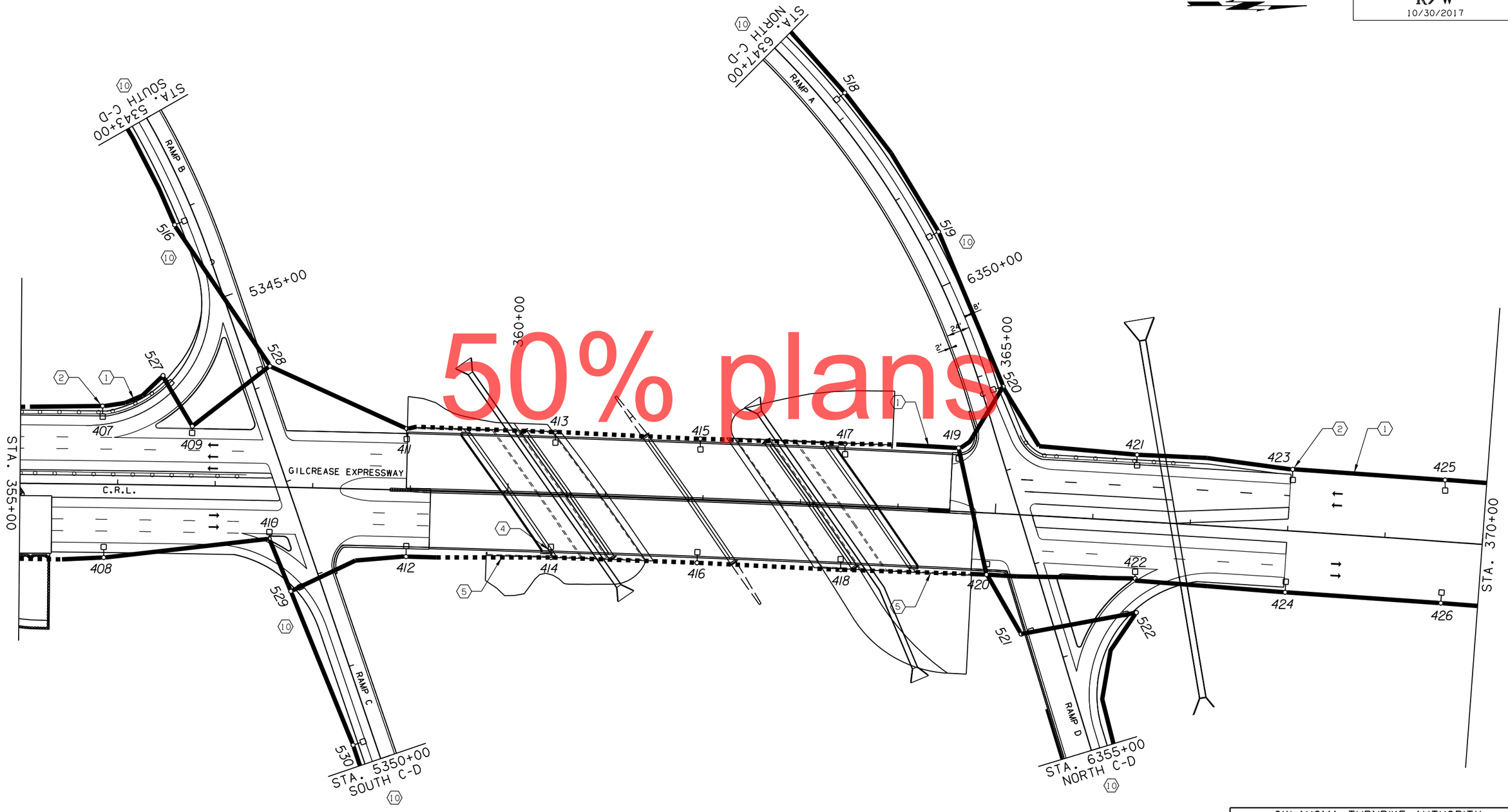
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DETAILED	KSR	9/17		
CHECKED	WBG	9/17	DATE: 10/30/2017	SHEET NO. U030

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

0 50 100 150
SCALE

PROPOSED R/W
10/30/2017

50% plans



GENERAL PLAN NOTES:

1. SEE LIGHT FIXTURE SCHEDULE SHEET AND ROADWAY LIGHT FIXTURE SCHEDULE SHEETS FOR PLAN KEYED NOTES, LIGHT POLE LOCATIONS, WALL PACK LOCATIONS, AND FIXTURE SCHEDULES.

2. PULL BOX AND GROUND ROD AT EACH LIGHT POLE LOCATION NOT SHOWN FOR CLARITY.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

LIGHTING LAYOUT PLANS GILCREASE EXPRESSWAY (18 OF 19)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

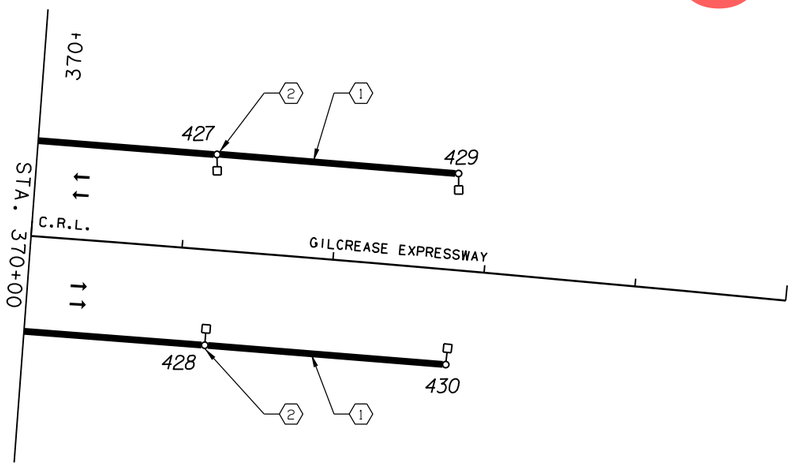
DESIGNED	KSR	9/17	CONTRACT NO. GCT-2500	
DETAILED	KSR	9/17		
CHECKED	WBG	9/17	DATE: 10/30/2017	SHEET NO. U031

0 50 100 150
SCALE

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

50% plans



GENERAL PLAN NOTES:

1. SEE LIGHT FIXTURE SCHEDULE SHEET AND ROADWAY LIGHT FIXTURE SCHEDULE SHEETS FOR PLAN KEYED NOTES, LIGHT POLE LOCATIONS, WALL PACK LOCATIONS, AND FIXTURE SCHEDULES.

2. PULL BOX AND GROUND ROD AT EACH LIGHT POLE LOCATION NOT SHOWN FOR CLARITY.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

LIGHTING LAYOUT PLANS GILCREASE EXPRESSWAY (19 OF 19)

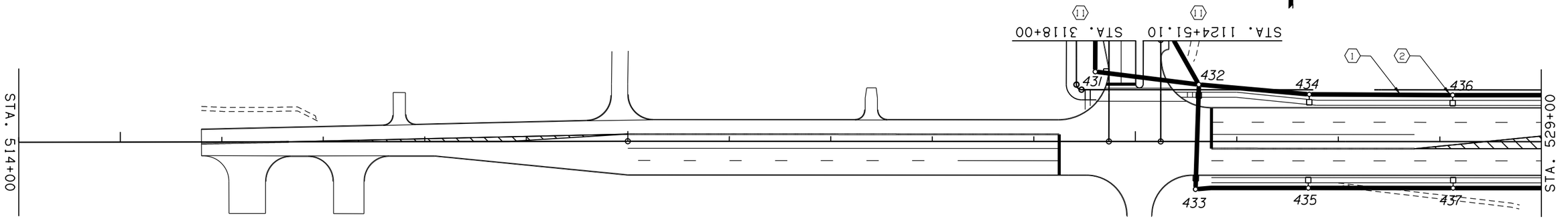
GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	KSR	9/17	CONTRACT NO. GCT-2500	
DETAILED	KSR	9/17		
CHECKED	WBG	9/17	DATE: 10/30/2017	SHEET NO. U032

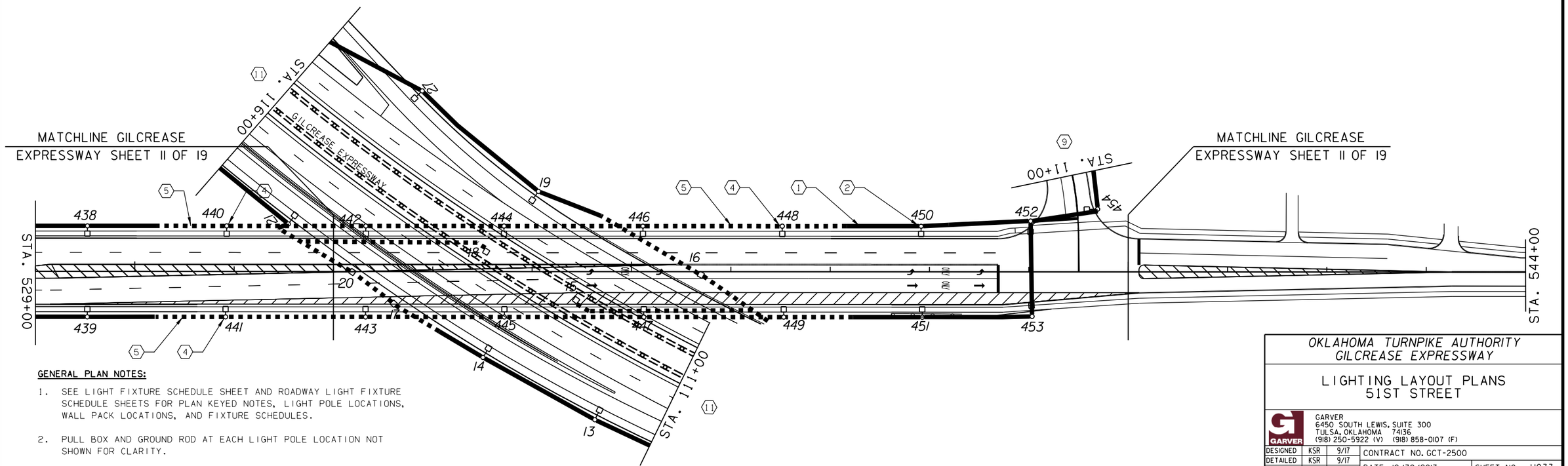
OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

0 50 100 150
SCALE



50% plans



GENERAL PLAN NOTES:

1. SEE LIGHT FIXTURE SCHEDULE SHEET AND ROADWAY LIGHT FIXTURE SCHEDULE SHEETS FOR PLAN KEYED NOTES, LIGHT POLE LOCATIONS, WALL PACK LOCATIONS, AND FIXTURE SCHEDULES.

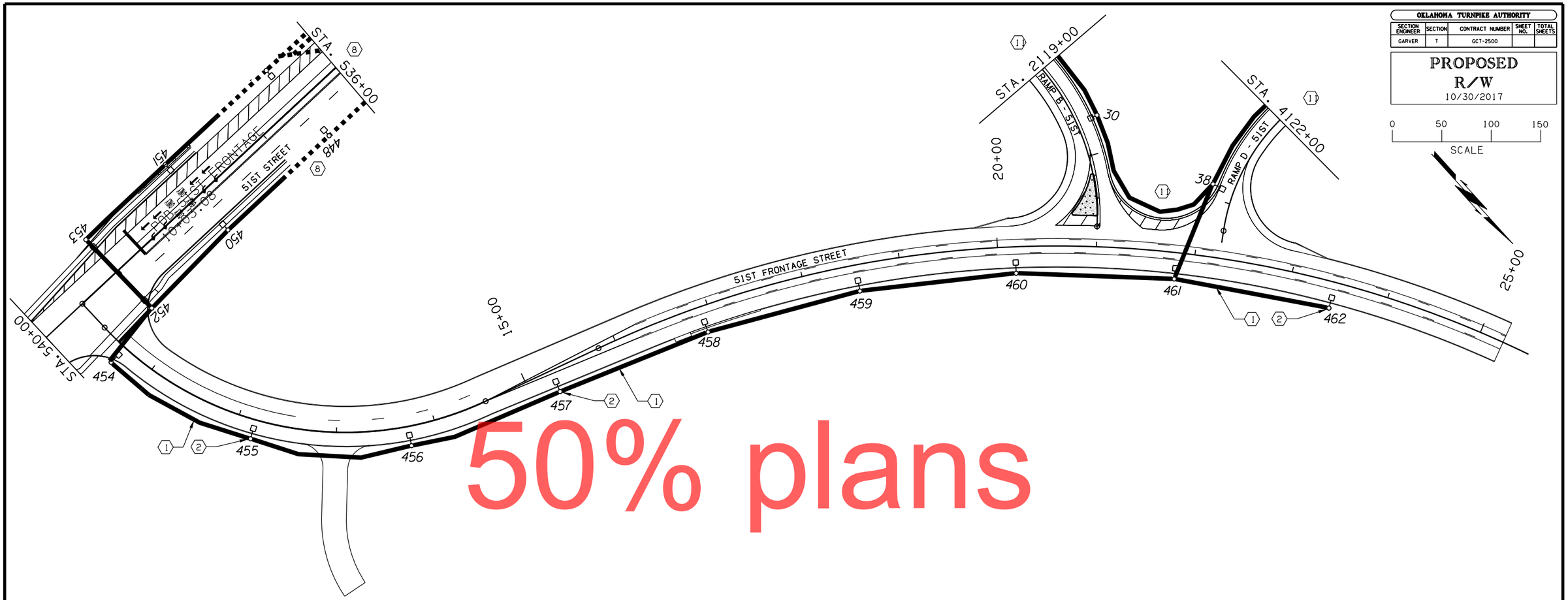
2. PULL BOX AND GROUND ROD AT EACH LIGHT POLE LOCATION NOT SHOWN FOR CLARITY.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

LIGHTING LAYOUT PLANS 51ST STREET

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	KSR	9/17	CONTRACT NO. GCT-2500	
DETAILED	KSR	9/17		
CHECKED	KSR	9/17	DATE: 10/30/2017	SHEET NO. U033



50% plans

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

GENERAL PLAN NOTES:

1. SEE LIGHT FIXTURE SCHEDULE SHEET AND ROADWAY LIGHT FIXTURE SCHEDULE SHEETS FOR PLAN KEYED NOTES, LIGHT POLE LOCATIONS, WALL PACK LOCATIONS, AND FIXTURE SCHEDULES.
2. PULL BOX AND GROUND ROD AT EACH LIGHT POLE LOCATION NOT SHOWN FOR CLARITY.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

LIGHTING LAYOUT PLANS
51ST FRONTAGE STREET

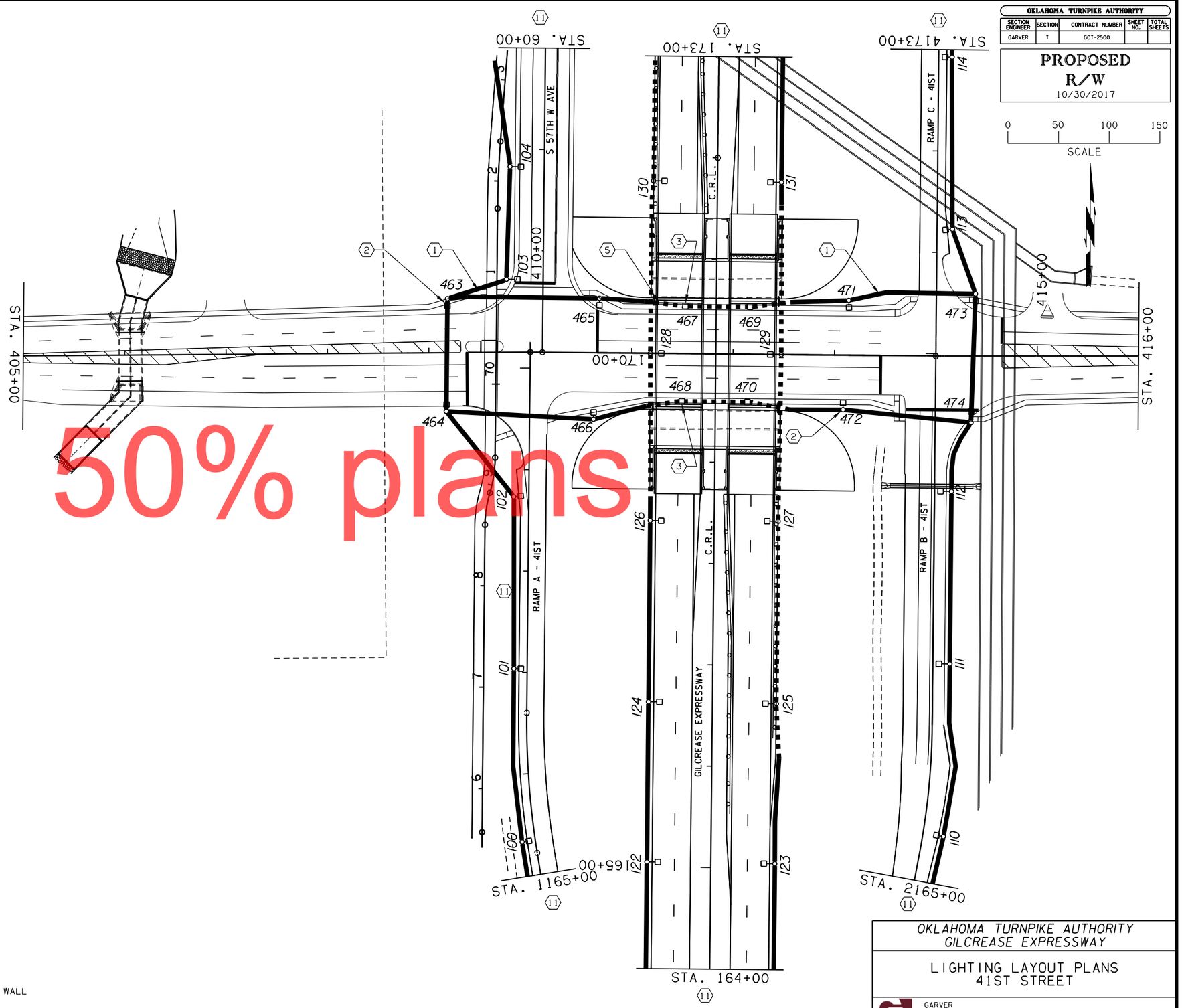
GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	KSR	9/17	CONTRACT NO. GCT-2500	
DETAILED	KSR	9/17		
CHECKED	KSR	9/17	DATE: 10/30/2017	SHEET NO. U034

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

0 50 100 150
SCALE



50% plans

GENERAL PLAN NOTES:

1. SEE LIGHT FIXTURE SCHEDULE SHEET AND ROADWAY LIGHT FIXTURE SCHEDULE SHEETS FOR PLAN KEYED NOTES, LIGHT POLE LOCATIONS, WALL PACK LOCATIONS, AND FIXTURE SCHEDULES.

2. PULL BOX AND GROUND ROD AT EACH LIGHT POLE LOCATION NOT SHOWN FOR CLARITY.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

LIGHTING LAYOUT PLANS 41ST STREET

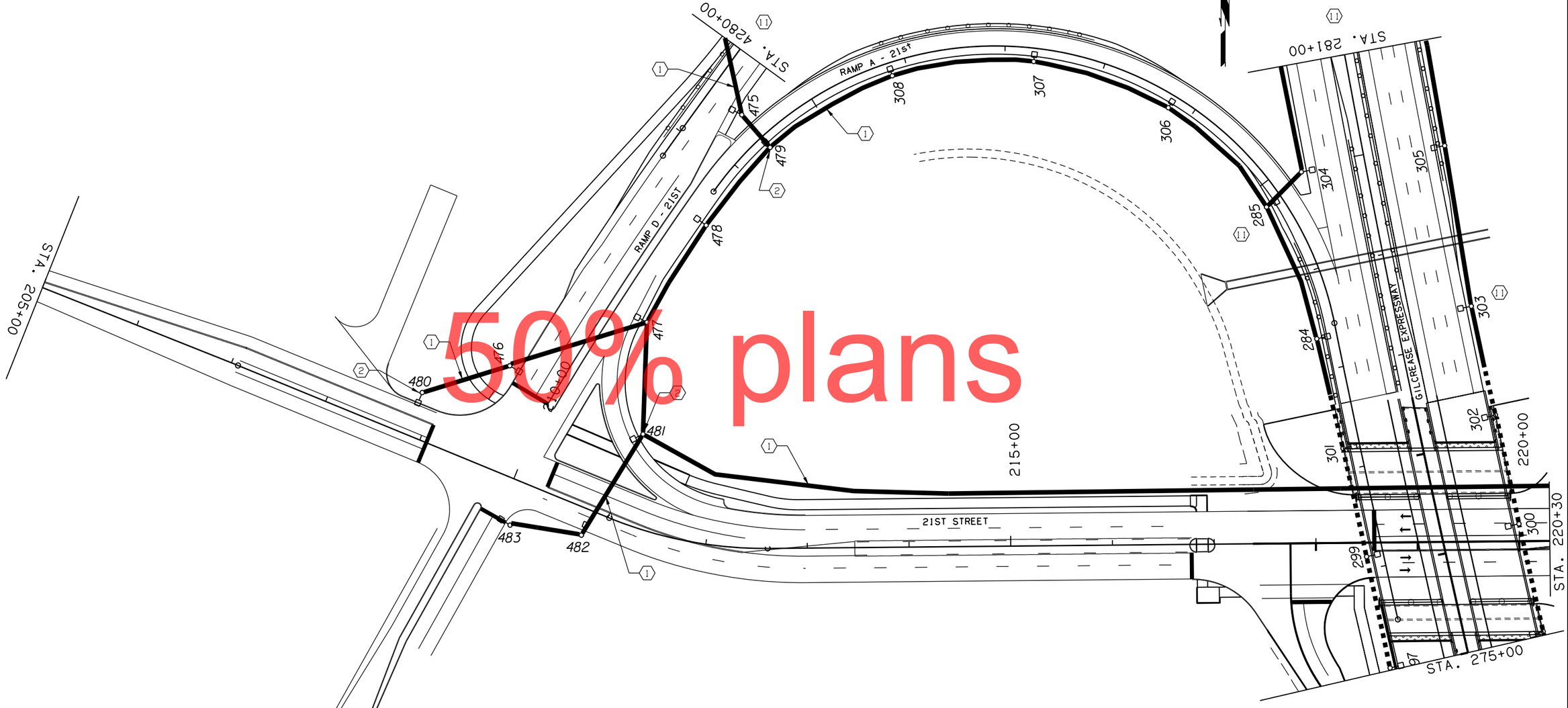
GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	KSR	9/17	CONTRACT NO. GCT-2500	
DETAILED	KSR	9/17		
CHECKED	KSR	9/17	DATE: 10/30/2017	SHEET NO. U035

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

0 50 100 150
SCALE



50% plans

GENERAL PLAN NOTES:

1. SEE LIGHT FIXTURE SCHEDULE SHEET AND ROADWAY LIGHT FIXTURE SCHEDULE SHEETS FOR PLAN KEYED NOTES, LIGHT POLE LOCATIONS, WALL PACK LOCATIONS, AND FIXTURE SCHEDULES.
2. PULL BOX AND GROUND ROD AT EACH LIGHT POLE LOCATION NOT SHOWN FOR CLARITY.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

LIGHTING LAYOUT PLANS 21ST STREET (1 OF 2)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	KSR	9/17	CONTRACT NO. GCT-2500	
DETAILED	KSR	9/17		
CHECKED	KSR	9/17	DATE: 10/30/2017	SHEET NO. U036

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

0 50 100 150
SCALE

PROPOSED R/W
10/30/2017



50% plans

GENERAL PLAN NOTES:

1. SEE LIGHT FIXTURE SCHEDULE SHEET AND ROADWAY LIGHT FIXTURE SCHEDULE SHEETS FOR PLAN KEYED NOTES, LIGHT POLE LOCATIONS, WALL PACK LOCATIONS, AND FIXTURE SCHEDULES.

2. PULL BOX AND GROUND ROD AT EACH LIGHT POLE LOCATION NOT SHOWN FOR CLARITY.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

LIGHTING LAYOUT PLANS
21ST STREET
(2 OF 2)

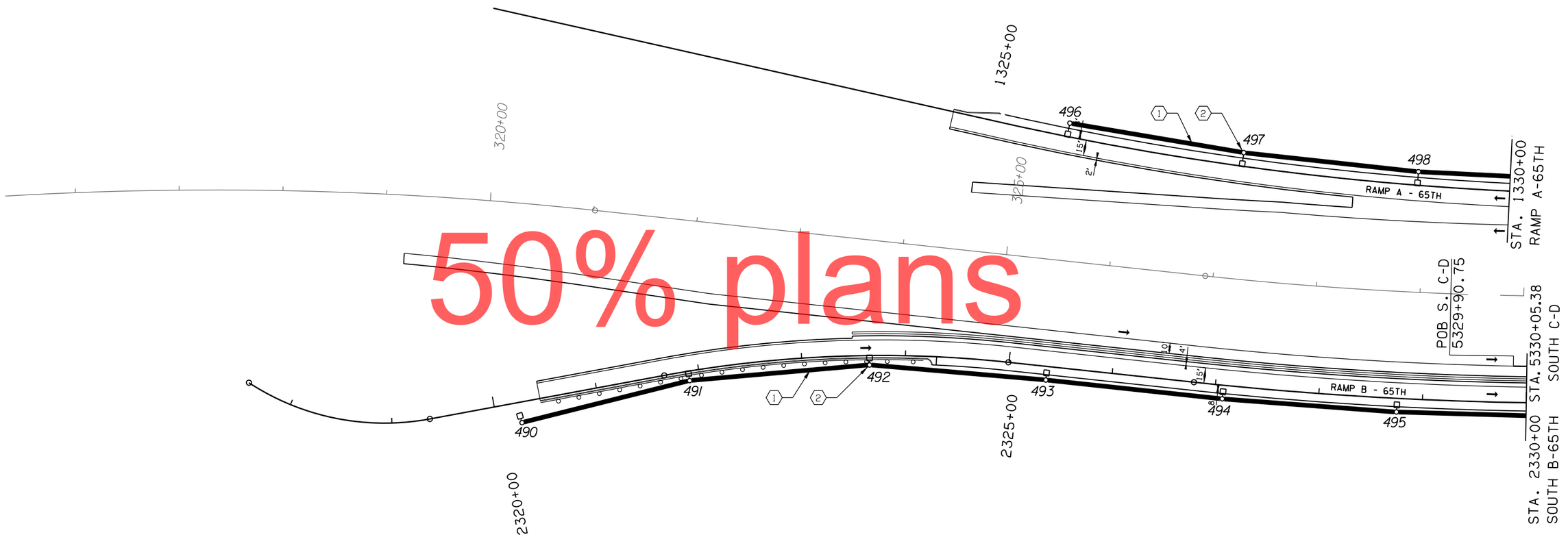
GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	KSR	9/17	CONTRACT NO. GCT-2500	
DETAILED	KSR	9/17		
CHECKED	KSR	9/17	DATE: 10/30/2017	SHEET NO. U037

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

0 50 100 150
SCALE

PROPOSED R/W
10/30/2017



50% plans

GENERAL PLAN NOTES:

1. SEE LIGHT FIXTURE SCHEDULE SHEET AND ROADWAY LIGHT FIXTURE SCHEDULE SHEETS FOR PLAN KEYED NOTES, LIGHT POLE LOCATIONS, WALL PACK LOCATIONS, AND FIXTURE SCHEDULES.

2. PULL BOX AND GROUND ROD AT EACH LIGHT POLE LOCATION NOT SHOWN FOR CLARITY.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

LIGHTING LAYOUT PLANS KEYSTONE EXPRESSWAY (1 OF 5)

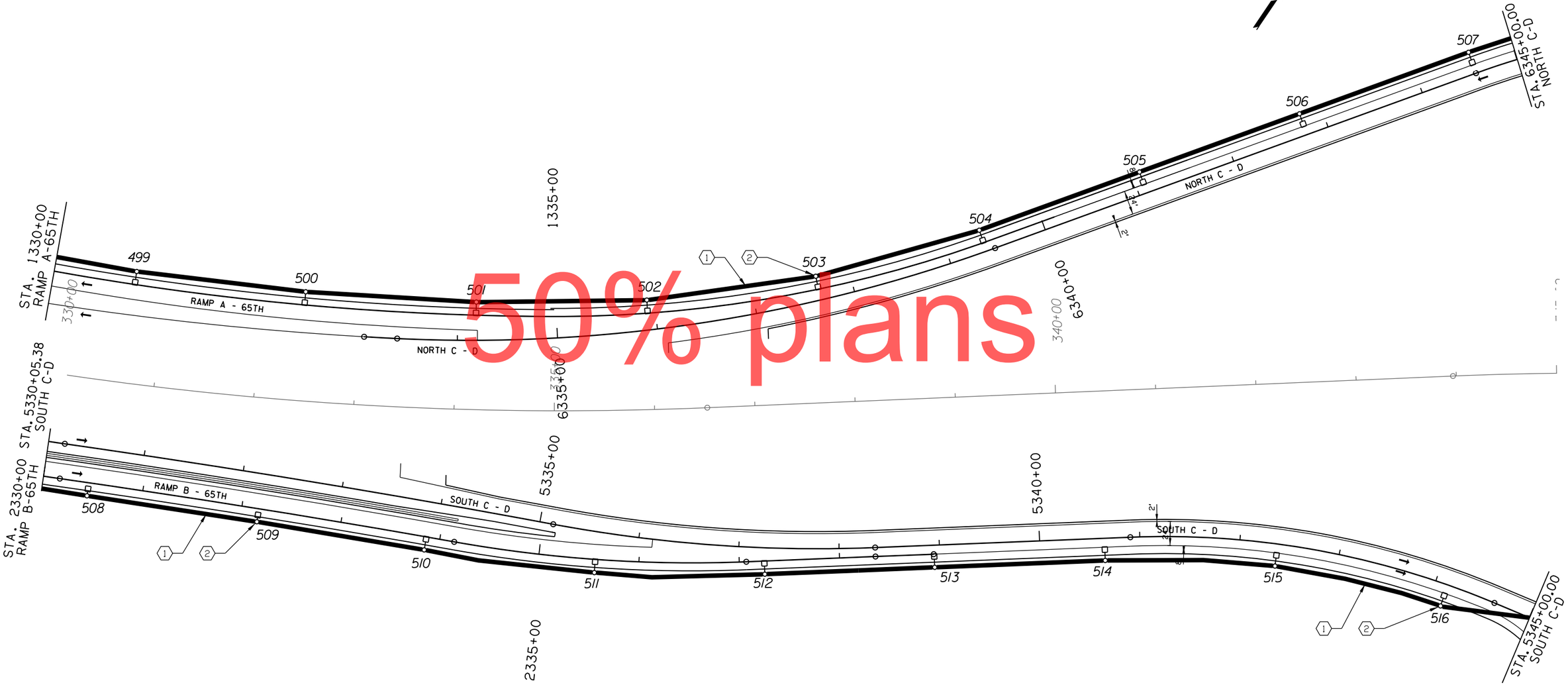
GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	KSR	9/17	CONTRACT NO. GCT-2500	
DETAILED	KSR	9/17		
CHECKED	WBG	9/17	DATE: 10/30/2017	SHEET NO. U038

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

0 50 100 150
SCALE

PROPOSED R/W
10/30/2017



50% plans

GENERAL PLAN NOTES:

1. SEE LIGHT FIXTURE SCHEDULE SHEET AND ROADWAY LIGHT FIXTURE SCHEDULE SHEETS FOR PLAN KEYED NOTES, LIGHT POLE LOCATIONS, WALL PACK LOCATIONS, AND FIXTURE SCHEDULES.

2. PULL BOX AND GROUND ROD AT EACH LIGHT POLE LOCATION NOT SHOWN FOR CLARITY.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

LIGHTING LAYOUT PLANS KEYSTONE EXPRESSWAY (2 OF 5)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	KSR	9/17	CONTRACT NO. GCT-2500	
DETAILED	KSR	9/17		
CHECKED	WBG	9/17	DATE: 10/30/2017	SHEET NO. U039

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

0 50 100 150
SCALE

PROPOSED R/W
10/30/2017

STA. 6345+00.00
NORTH C-D

STA. 367+00.00

STA. 6360+50
NORTH C-D

STA. 5345+00.00
SOUTH C-D

STA. 356+00.00

STA. 5359+00
RAMP C-49TH

NORTH C - D

SOUTH C - D

RAMP C - 49TH

GILCREASE EXPRESSWAY

365+00
360+00
355+00
5350+00
5355+00

517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535

410 411 412 413 414 415 416 417 418 419 420 421 422

GENERAL PLAN NOTES:

1. SEE LIGHT FIXTURE SCHEDULE SHEET AND ROADWAY LIGHT FIXTURE SCHEDULE SHEETS FOR PLAN KEYED NOTES, LIGHT POLE LOCATIONS, WALL PACK LOCATIONS, AND FIXTURE SCHEDULES.
2. PULL BOX AND GROUND ROD AT EACH LIGHT POLE LOCATION NOT SHOWN FOR CLARITY.

50% plans

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

LIGHTING LAYOUT PLANS KEYSTONE EXPRESSWAY (3 OF 5)

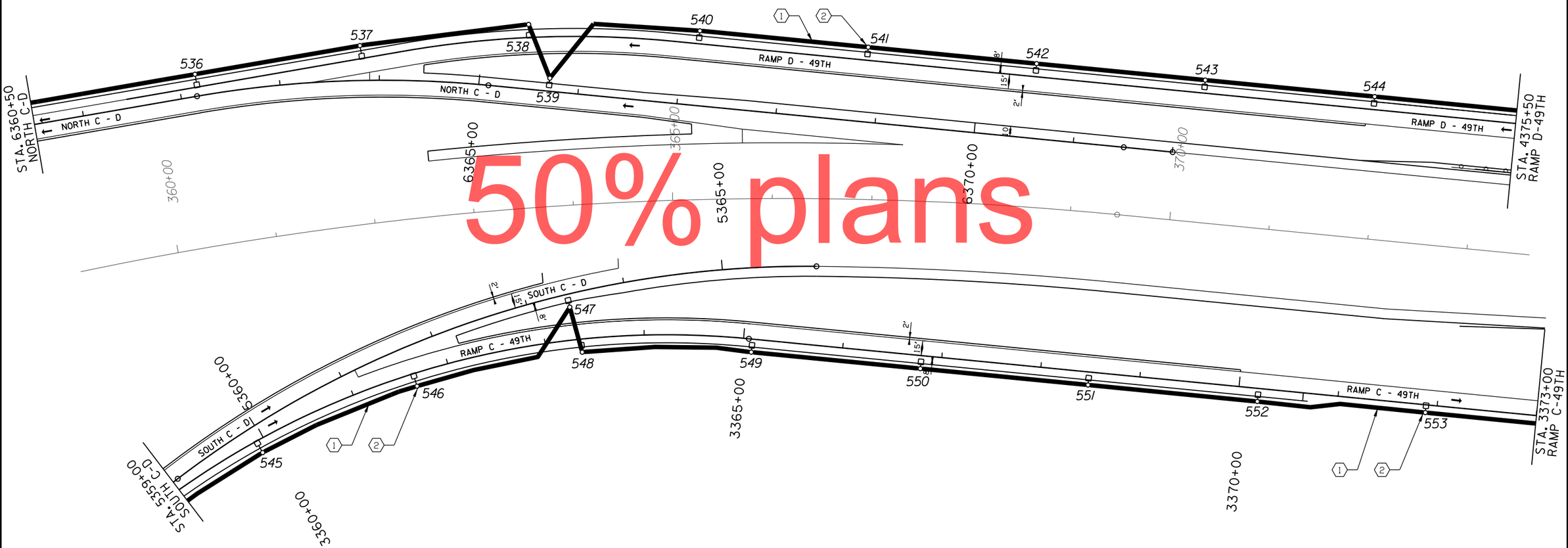
GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	KSR	9/17	CONTRACT NO. GCT-2500	
DETAILED	KSR	9/17		
CHECKED	WBG	9/17	DATE: 10/30/2017	SHEET NO. U040

OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

0 50 100 150
SCALE

PROPOSED R/W
10/30/2017



GENERAL PLAN NOTES:

1. SEE LIGHT FIXTURE SCHEDULE SHEET AND ROADWAY LIGHT FIXTURE SCHEDULE SHEETS FOR PLAN KEYED NOTES, LIGHT POLE LOCATIONS, WALL PACK LOCATIONS, AND FIXTURE SCHEDULES.

2. PULL BOX AND GROUND ROD AT EACH LIGHT POLE LOCATION NOT SHOWN FOR CLARITY.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

LIGHTING LAYOUT PLANS KEYSTONE EXPRESSWAY (4 OF 5)

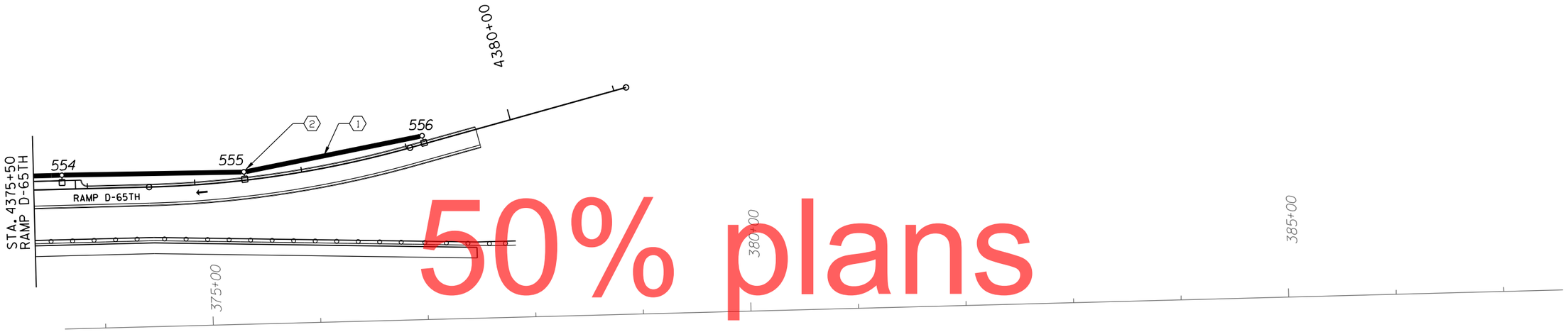
GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	KSR	9/17	CONTRACT NO. GCT-2500	
DETAILED	KSR	9/17		
CHECKED	WBG	9/17	DATE: 10/30/2017	SHEET NO. U041

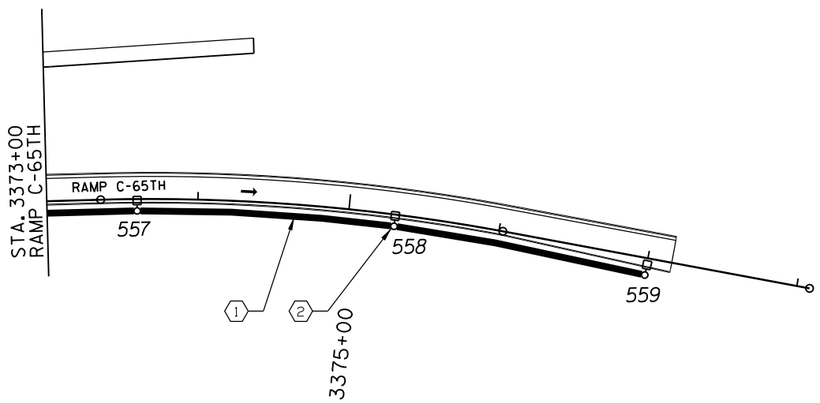
OKLAHOMA TURNPIKE AUTHORITY				
SECTION ENGINEER	SECTION	CONTRACT NUMBER	SHEET NO.	TOTAL SHEETS
GARVER	T	GCT-2500		

PROPOSED R/W
10/30/2017

0 50 100 150
SCALE



50% plans



GENERAL PLAN NOTES:

1. SEE LIGHT FIXTURE SCHEDULE SHEET AND ROADWAY LIGHT FIXTURE SCHEDULE SHEETS FOR PLAN KEYED NOTES, LIGHT POLE LOCATIONS, WALL PACK LOCATIONS, AND FIXTURE SCHEDULES.

2. PULL BOX AND GROUND ROD AT EACH LIGHT POLE LOCATION NOT SHOWN FOR CLARITY.

OKLAHOMA TURNPIKE AUTHORITY
GILCREASE EXPRESSWAY

LIGHTING LAYOUT PLANS
KEYSTONE EXPRESSWAY
(5 OF 5)

GARVER
6450 SOUTH LEWIS, SUITE 300
TULSA, OKLAHOMA 74136
(918) 250-5922 (V) (918) 858-0107 (F)

DESIGNED	KSR	9/17	CONTRACT NO. GCT-2500	
DETAILED	KSR	9/17		
CHECKED	WBG	9/17	DATE: 10/30/2017	SHEET NO. U042

STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SWO EC-1593 J/P 31313(04) : GILCREASE TULSA CO.

HORIZONTAL CONTROL:
( ) Oklahoma Coordinate System of 1927 _____ Zone.
(X) Oklahoma Coordinate System of 1983 North Zone. Modified MODIFIED
( ) Oklahoma Dept. of Transportation Plane Coordinate System of 1927 _____ Zone.
( ) Oklahoma Dept. of Transportation Plane Coordinate System of 1983 _____ Zone.
( ) Arbitrary Coordinate System

HORIZONTAL PLANE DATUM DEFINITION:
Oklahoma Department of Transportation coordinates were derived by multiplying the Oklahoma Coordinate Systems of 1927 or 1983 by the combined adjustment factor of 1.00008955506. The ODOT coordinate System is 2350 feet above sea level.

1. Primary Control adjusted to Modified State Plane (B) Order
Stations ADS 85
A) Closure before adjustment X NA : Y NA Angles NA
Trav. Length _____ No. Angles NA
B) _____ ; is ( ) Order before adjustment.
C) Method of Distance Measurement:
( ) Electronic (X) GPS ( ) Triangulation ( ) Chained
D) Instrument used for angles _____
2. Secondary Control adjusted to Primary Control ( ) Order
Stations _____
A) Closure before adjustment X NA : Y NA Angles NA
B) Secondary Control ; is ( ) Order; Tied to ADS 85
C) of Distance Measurement:
( ) Electronic (X) GPS ( ) Triangulation ( ) Chained
D) Instrument used for angles _____

VERTICAL CONTROL (1st) order. Level Line taken from ADS 85
(1st) order and tied to BM 1-25 & BM 1N-8N (3RD) order.
CP 200-212
( ) 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

Preston D. Hyden
Professional Land Surveyor

6/14/2016
Date

(FORM SD #20)
Rev. 11/03

STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION

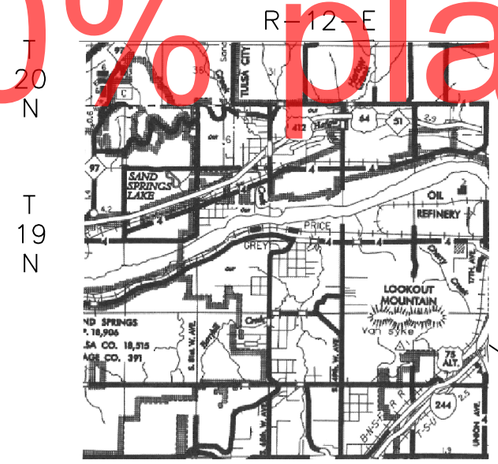
SURVEY OF

GILCREASE EXPRESSWAY
I–44 TO EDISON AVE.

EC–1593
J/P NO. 31313(04)
TULSA COUNTY
OKLAHOMA

APPROXIMATELY 6.7 MILES IN
TULSA, OKLAHOMA

50% plans



PROJECT EXTENTS

Gilcrease Expressway (I-44 to West Edison Street)

PROJECT LENGTH 35148 Ft. 6.7 MI.

Gilcrease Expressway (I-44 to West Edison Street)
BEGINNING STATION : 90+00.00
STATION EQUATION : 402+72.38 (BACK) = 36+05.43 (AHEAD)
ENDING STATION : 74+81.85

UTILITIES LIST:

AEP (PSO) (888) 216–3523	Plains Pipeline (800) 708–5071
AT&T (405) 291–6941	Great Lakes Pipeline (800) 522–6543 USIC
Cox Communication (918) 806–6000	Oneok (800) 522–6543 USIC
Sunoco Pipeline, L.P. (888) 786–3260	ONG (800) 458–4251
Magellan Gas (800) 720–2417 (918) 630–2376 (Locator)	City of Tulsa Sewer (918) 596–2100
Explorer Pipeline (800) 522–6543 USIC	City of Tulsa Water (918) 596–2100

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.

SDS 1 OF 51
SPECIFICATIONS FOR SURVEYS FOR PRIMARY AND SECONDARY HIGHWAYS DATED MAY 1, 1999 GOVERN.

Electronic File Transfer Disclaimer:

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BEFORE YOU DIG
811 OKIE DIGGER
CALL OKIE

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

REVISIONS	
DESCRIPTION	DATE

INDEX OF SHEETS

1. TITLE SHEET
2 - 16. SURVEY INFORMATION, ALIGNMENT DATA & COGO POINTS
17 - 42. SURVEY DATA SHEETS
43 - 51. GEOMETRIC DATA SHEETS

Survey Began: March 8th, 2015

Survey Completed: January 31st, 2016

Personnel on this survey:

William T. Meshek, PE, PLS	Principal Surveyor
Eric G. Zellers, PE, LSI	Project Engineer
Preston D. Hyden, PLS	Survey Crew Chief
Dustin W. Freeman	Survey Party Chief
Casey Ausmus	Survey Instrument Tech
Matthew M. Marzett	CAD Technician

Equipment:
TOPCON HIPER GA and HIPER V GPS units
SPECTRA PRECISION ROBOTIC TOTAL STATION
TOPCON DL-503 LEVEL

STATE OF OKLAHOMA
DEPARTMENT OF TRANSPORTATION

SWO_____ Job/Piece 31313(04) Engr. Contract No. 1593

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 14th day of June, 2016.

Land Surveyor Dustin Hyden (seal)
Signature

Preston Hyden
Printed Name

Oklahoma Licensed Land Surveyor No. 1705

Certificate of Authorization No. 1487

LICENSED PROFESSIONAL LAND SURVEYOR Preston D Hyden 1705 OKLAHOMA

PLS	PDH		OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION
DRAWN	MMM		**SURVEY DATA SHEET**
CHECKED	EGZ		
APPROVED	WTM		
CREW	MESHEK		EC 1593 JP NO. 31313 (04) SHEET NO.

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
SURVEY DIVISION (405) 521-2621 FAX (405) 521-0364

NTP Date: February 18th, 2015

TO: Mr. William L. Tackett, Chief of Surveys
FROM: William T. Meshek, Professional Land Surveyor
SUBJECT: EC-1593 J/P No. 31313(04), Proposed Gilcrease Expressway, I-44 to Edison Ave. Approximately 6.5 Miles, Tulsa County.

Historical Letter & Written Report

1. GENERAL

Survey Began: March 8th, 2015
Survey Completed: January 31st, 2015

The measurement unit for this project will be the U.S. Survey Foot.

Personnel on this survey: Meshek and Assoc.

William T. Meshek, PE, PLS	Principal Engineer
Eric G. Zellers, PE, LSI	Project Engineer
Preston D. Hyden, PLS	Survey Crew Chief
Justin S. Reid	Survey Crew Chief
Mark A. Ringle	Survey Crew Chief
Dustin W. Freeman	Survey Crew Chief
Justin A. Haynes	Survey Instrument Tech
Matthew M. Marzett	CAD Technician

Personnel on this survey: Garver L.L.C.

Paul E. Davis, PLS	Senior Project Surveyor
Robert L. Johnston Jr., PLS	Survey Crew Chief
Jeffrey A. Jones	Survey Processor
Lonnie Lancing	Survey Crew Chief
Wayman White	Survey Crew Chief

Equipment:
TOPCON HIPER GA and HIPER V GPS units
SPECTRA PRECISION ROBOTIC TOTAL STATION
TOPCON DL-503 LEVEL
TRIMBLE R6 GPS
TRIMBLE S6 ROBOTIC TOTAL STATION
LEICA DNA03 DIGITAL LEVEL

2. SURVEY ASSIGNMENT

This survey, without any Survey Special Provisions, was assigned to Meshek and Associates by Garver, LLC. This was a partial survey that was to be completed by conventional ground survey methods. The field crew, under direct supervision of Mr. William T. Meshek began work on the project March 8th, 2015.

3. PURPOSE OF SURVEY

The purpose of this survey is to furnish sufficient data to develop plans to construct a new highway and bridges. The survey will include the Alignment, Topographic/Planimetric data, Surface Features/DTM data, Land Ties, Utilities, Drainage and all other pertinent information needed to aid in the design.

4. SURVEY LIMITS

This survey began at P.O.T. Sta 90+00 at the I-44/I-244 Interchange, as established under the proposed City of Tulsa Project 966120 Functional Plans 2004, and will extend North along 57th West Avenue to West Edison Street to P.T. Sta. 402+72.38. (Approximate centerline length=6.5 miles)

U.S. 64: This survey began at a point identified as P.O.T. Sta. 296+99.70 (EW Section Line) and extended East to P.C. Sta. 397+75.52 as established and shown on F.A.P. U-85(34) plans. (Approximate Centerline length= 1.9 miles).

5. ALIGNMENT

The Centerline of Survey as established under the proposed City of Tulsa Project 966120 Functional Plans 2004 was modified from the original centerline to accommodate a shift to meet the proposed extension north of W. Edison Ave and has been set and referenced as shown on the Survey Data Sheets. This modified alignment was provided by Garver.

U.S. 64: The Centerline of Survey will be along and identical to the centerline of present U.S. 64 as shown on F.A.P. U-85(34) plans and has been found or set and referenced as shown on the Survey Data Sheets.

A survey reference line has been established along W. 51st Street commencing at a point West of the proposed Gilcrease Expressway with a beginning Station assigned 50+00 and increases Easterly from this point to the end Station 93+91.98 and has been set and referenced as shown on the Survey Data Sheets.

A survey reference line has been established along S. 49th W. Avenue commencing at a point South of the proposed Gilcrease Expressway with a beginning Station assigned 500+00 and increases Northerly from this point to the end Station 517+00 and has been set and referenced as shown on the Survey Data Sheets.

A survey reference line has been established along W. 41st Street commencing at a point West of the proposed Gilcrease Expressway with a beginning Station assigned 8+87 and increases Easterly from this point to the end Station 25+47.13 and has been set and referenced as shown on the Survey Data Sheets.

A survey reference line has been established along W. 31st Street commencing at a point West of the proposed Gilcrease Expressway with a beginning Station assigned 10+00 and increases Easterly from this point to the end Station 32+50.02 and has been set and referenced as shown on the Survey Data Sheets.

A survey reference line has been established along W. 22nd Street commencing at a point West of the proposed Gilcrease Expressway with a beginning Station assigned 650+00 and increases Easterly from this point to the end Station 654+00 and has been set and referenced as shown on the Survey Data Sheets.

A survey reference line has been established along S. 57th W. Avenue commencing at a point West of the proposed Gilcrease Expressway with a beginning Station assigned 600+00 and increases Northerly from this point to the end Station 605+00 and has been set and referenced as shown on the Survey Data Sheets.

A survey reference line has been established along W. 21st Street commencing at a point West of the proposed Gilcrease Expressway with a beginning Station assigned 10+00 and increases Easterly from this point to the end Station 44+05.19 and has been set and referenced as shown on the Survey Data Sheets.

A survey reference line has been established along 8th and 9th Street. commencing at a point West of the proposed Gilcrease Expressway with a beginning Station assigned 80+00 and increases Northerly and Westerly from this point to the end Station 86+75 and has been set and referenced as shown on the Survey Data Sheets.

A survey reference line has been established along 8th Street Cul-de-sac. commencing at a point East of the proposed Gilcrease Expressway with a beginning Station assigned 0+00 and increases Easterly from this point to the end Station 2+88.09 and has been set and referenced as shown on the Survey Data Sheets.

50% plans

PLS	PDH	
DRAWN	MMM	
CHECKED	EGZ	
APPROVED	WTM	
CREW	MESHEK	

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

EC 1593 JP NO. 31313 (04) SHEET NO.

A survey reference line has been established along E. Charles Page Ave. commencing at a point West of the proposed Gilcrease Expressway with a beginning Station assigned 9+69.82 and increases Easterly from this point to the end Station 30+69.82 and has been set and referenced as shown on the Survey Data Sheets.

A survey reference line has been established along S. 57th W. Avenue and W. 1st Street. commencing at a point West of the proposed Gilcrease Expressway with a beginning Station assigned 55+00 and increases Easterly from this point to the end Station 69+49.85 and has been set and referenced as shown on the Survey Data Sheets.

6. STATIONING

Stationing for this survey began at P.O.T. Sta 90+00 at the I-44/I-244 Interchange, as established under the proposed City of Tulsa Project 966120 Functional Plans 2004 and modified to fit the proposed extension north of W. Edison Ave., and will increase Northerly from this point to the P.T. Sta. 402+72.38=36+05.43 ahead to 74+81.85 with equation.

7. HORIZONTAL CONTROL

Horizontal Control for this survey is NGS Oklahoma State Plane Coordinate System, NAD 83(1993), Lambert Projection, North Zone, modified to surface by applying an average combined factor of 0.999913052. (to convert these coordinates back to State Plane Coordinates, multiply the surface coordinates by this factor). Derived by Aerial Data Service for the City of Tulsa Project 966120 Functional Plans 2004. Primary horizontal control was previously established on 39 monuments along this survey. They consist of 30- #5 rebar with 1-1/2" Aluminum caps, 8- Pk Nails set & 1 Brass Cap Monument. Secondary horizontal control was established along the centerline of survey, referenced and shown on the survey data sheets of this survey. The primary control network, the secondary network and section boundaries for this survey are in compliance with NGS Second Order Class II standards for horizontal control. (1:20,000)

8. VERTICAL CONTROL

Elevation datum for this survey is NAVD 88 taken from Aerial Data Service monument ADS 85 as established for the City of Tulsa Project 966120 Functional

Plans 2004. A complete set of check levels was run throughout this survey by Garver L.L.C. survey crew members using a digital level. Accuracy 3rd order or better before adjustment.

9. PHOTO CONTROLS

Photo control was performed by Aerial Data Services for the City of Tulsa Project 966120 Functional Plans 2004.

10. TOPOGRAPHY

Topography on this survey was obtained by utilizing the Topcon GPS RTK system and Spectra Precision Robotic technology with the Carlson/Spectra data collector for field instruments. Data was collected in the form of a Surface feature survey. This data was merged with Data provided by Aerial Data Service and placed in a computer file. J/P No 31313(04)_1_V2_SFF.

11. CROSS SECTION/DTM

Cross sections on this survey were obtained by utilizing the Topcon GPS RTK system and Robotic Total Station technology with the Carlson data collector in the form of a DTM survey. This data was merged with Data provided by Aerial Data Service and placed in a computer file. J/P No 31313(04)_V2_TRI.

12. LAND TIES

Land ties for this survey were field verified from survey drawings for Sections 4,5,6,8,17,20 & 29, T-19-N, R-12-E, of the IBM, Tulsa County and Sections 31& 32, T-20-N, R-12-E, of the IBM, Osage County, Oklahoma under the City of Tulsa Project 966120 Functional Plans 2004 thru which the survey centerline passes and are shown on the Survey Data Sheets. A search was made for any evidence of the original monuments and/or accessories in the field for reverification of plan monuments position and type. Research of all filed certified corner records was performed with the Hubtack Online Database and the Original GLO Survey Plat and Notes. ODOT was contacted to supply this survey with ODOT Station numbers for all the corners found or located in these nine sections and were assigned monument numbers.

Tulsa County
Southwest Corner of Section 29, T-19-N, R-12-E
Found 1/2" Iron Pin and 3 references set by LS 1024 from OCCR 08/18/11. Used ODOT No. T-72-17.LS 1139 found 1.25" Iron Pin set over 2" pipe with 1" axle inside. OCCR 9/25/96.LS 1103 found ODOT Brass Cap. OCCR 6/15/93.LS 1146

found 1.25" Iron Pin set over 2" pipe with 1" axle inside. OCCR 2/1/95.LS 1052 found ODOT Brass Cap. OCCR 2/11/85. ODOT Brass Cap set by Truett McCarty. SD-11 January 1967. Station Number T-72-17.

South 1/4 Corner of Section 29, T-19-N, R-12-E
Found Aluminum Cap Monument set by unknown person and 3 references from LS 1586 OCCR 11/20/07 that matched previously found Concrete Nail. Used ODOT No. T-72-18.LS 1103 found Concrete Nail. OCCR 7/23/93.ODOT Brass Cap set by Truett McCarty. SD-11 January 1967. Station Number T-72-18.

Southeast Corner of Section 29, T-19-N, R-12-E
Found 1-1/4" Iron Pin with 2 references from LS 1432 OCCR 8/11/06 that matched previously found #10 Rebar. Used ODOT No. T-72-19.LS 286 found 3" ODOT Brass Cap destroyed on a 3" Pipe and reset a 3" Brass Cap over 3" Pipe. OCCR 6/16/94. LS 1103 found 1-1/4" Iron Pin. OCCR 6/10/93. ODOT Brass Cap set by Truett McCarty. SD-11 January 1967. Station Number T-72-19.

East 1/4 Corner of Section 29, T-19-N, R-12-E
Found 3/8" Iron Pin with 2 references from LS 1432 OCCR 8/11/06 that matched previously found #3 Rebar. Used ODOT No. T-72-22.LS 1056 found 3/8" Iron Pin. OCCR 5/13/91. ODOT Brass Cap set by Truett McCarty. SD-11 January 1967. Station Number T-72-22.

Northeast Corner of Section 29, T-19-N, R-12-E
Found 4" Steel Cap and 1 reference. Used ODOT No. T-72-25. LS 1432 found 4" Steel Cap. OCCR 8/11/06. LS 1134 found 4" Steel Cap. OCCR 8/18/05. LS 1052 found 4" Steel Cap. OCCR 9/14/00 & 12/16/93. 4" Steel Cap set by Truett McCarty. SD-11 January 1967. Station Number T-72-25.

North 1/4 Corner of Section 29, T-19-N, R-12-E
Found 3/8" Iron Pin with 3 references from LS 1134 OCCR 8/18/05 that matched previously found 3/8" Iron Pin. Used ODOT No. T-72-24. LS 1052 found 3/8" Iron Pin. OCCR 3/22/02, 9/14/00 & 12/20/93. ODOT Brass Cap set by Truett McCarty. SD-11 January 1967. Station Number T-72-24.

Northwest Corner of Section 29, T-19-N, R-12-E
Found 3/8" Iron Pin and cap with 3 references from LS 1052 OCCR 9/14/00 that matched previously found 3/8" Iron Pin. Used ODOT No. T-72-23. LS 1304 set Mag. Nail. OCCR 8/11/00. LS 1176 set 3/4" Rebar. OCCR 9/18/84.
ODOT Brass Cap set by Truett McCarty. SD-11 January 1967. Station Number T-72-23.

50% plans

OKLAHOMA DEPARTMENT OF TRANSPORTATION

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

REVISIONS

DESCRIPTION	DATE

SDS 3 OF 51

PLS	PDH	
DRAWN	MMM	
CHECKED	EGZ	
APPROVED	WTM	
CREW	MESHEK	

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

EC 1593 JP NO. 31313 (04) SHEET NO.

West 1/4 Corner of Section 29, T-19-N, R-12-E
Found ODOT Brass Cap with 3 references from LS 1052 OCCR 9/24/00 that matched previously found ODOT Brass Cap. Used ODOT No. T-72-20. ODOT Brass Cap set by Truett McCarty. SD-11 January 1967. Station Number T-72-20.

Center 1/4 Corner of Section 29, T-19-N, R-12-E
Found 3/8" Iron Pin. Used ODOT No. T-72-21. LS 1052 found 3/8" Iron Pin. OCCR 12/20/93. ODOT Brass Cap set by Truett McCarty. SD-11 January 1967. Station Number T-72-21.

East 1/4 Corner of Section 20, T-19-N, R-12-E
Found PK Nail and 3 references. Used ODOT No. T-72-28. LS 1586 found a #3 Rebar and 3 references. OCCR 5/14/15. LS 1134 found ODOT Brass Cap. OCCR 8/16/05. LS 1052 found ODOT Brass Cap. OCCR 9/14/00. LS 93 found ODOT Brass Cap. OCCR 10/06/82. ODOT Brass Cap set by Truett McCarty. SD-11 January 1967. Station Number T-72-28.

Northeast Corner of Section 20, T-19-N, R-12-E
Found 5/8" Iron Pin and 3 references. Used ODOT No. T-72-31. LS 1586 found a #5 Rebar and 3 references. OCCR 5/21/15. LS 1052 found 5/8" Iron Pin with Cap. OCCR 9/14/00. LS 84 set 5/8" Rebar. OCCR 2/12/85. LS 93 found PK Nail. OCCR 10/6/82. ODOT Brass Cap set by Truett McCarty. SD-11 January 1967. Station Number T-72-31.

North 1/4 Corner of Section 20, T-19-N, R-12-E
Found 3/8" Iron Pin and 3 references. Used ODOT No. T-72-30.
LS 1052 found PK nail and replaced with a 3/8" Iron Pin with Cap. OCCR 9/14/00.
LS 1056 found ODOT Brass Cap. OCCR 8/15/96. ODOT Brass Cap set by Truett McCarty. SD-11 January 1967. Station Number T-72-30.

Northwest Corner of Section 20, T-19-N, R-12-E
Found 4" Steel Cap and 2 references. Used ODOT No. T-72-29.
LS 1586 found a 4" Steel Disc and 2 references. OCCR 5/21/15. LS 1052 found 4" Steel Cap with Cross. OCCR 9/14/00 & 11/3/95. LS 1024 found ODOT Brass Cap. OCCR 5/12/92. LS 1024 set 1/2" I.P. OCCR 3/6/85. ODOT Brass Cap set by Truett McCarty. SD-11 January 1967. Station Number T-72-29.

West 1/4 Corner of Section 20, T-19-N, R-12-E
Found 5/8" Iron Pin and 3 references. Used ODOT No. T-72-26.
LS 1586 found a #4 Rebar and 2 references. OCCR 5/14/15. LS 1052 found 1/2" Iron Pin. OCCR 9/14/00. LS 1304 found 5/8" I.P. OCCR 8/11/00.
LS 1176 found an ODOT Brass Cap. OCCR 12/4/86. ODOT Brass Cap set by Truett McCarty. SD-11 January 1967. Station Number T-72-26.

CC 1/4 Corner of Section 20, T-19-N, R-12-E
Found 3/8" Iron Pin and 3 references. Used ODOT No. T-72-27.
LS 1052 set 3/8" Iron Pin with Plastic Cap "White CA#1098". OCCR 9/14/00.
ODOT Brass Cap set by Truett McCarty. SD-11 January 1967. Station Number T-72-27.

East 1/4 Corner of Section 17, T-19-N, R-12-E
Found 3/8" Iron Pin and 2 references. Assigned ODOT No. T-72-1605.
LS 1432 found a #3 Rebar with plastic cap stamped "SWA RLS 1139" and 2 references. OCCR 2/10/05. LS 1304 found 60d Nail. OCCR 8/16/05.

Northeast Corner of Section 17, T-19-N, R-12-E
Found 5/8" Iron Pin and 3 references. Assigned ODOT No. T-72-1606.
LS 1432 found a #5 Rebar and 2 references. OCCR 2/10/05. LS 1317 found #5 Iron Rod. OCCR 12/1/97. LS 93 found 3/4" Iron Pin. OCCR 10/6/80.

North 1/4 Corner of Section 17, T-19-N, R-12-E
Found PK Nail set by LS 930 from survey records from Al Johnson dated March 24, 1980. OCCR 9/12/2001. PK Nail set from drawings provided by the City of Tulsa from the proposed City of Tulsa Project 966120 Functional Plans 2004 which used a single proportionate calculated position for this monument. Assigned ODOT T-72-1607.

Northwest Corner of Section 17, T-19-N, R-12-E
Found 5/8" Iron Pin and 3 references. Used ODOT No. T-72-12.
LS 1586 found a #5 Rebar and 2 references. OCCR 5/21/15. LS 1806 found 5/8" Iron. OCCR 4/20/15. LS 1052 found 5/8" Iron Pin. OCCR 11/6/95.
LS 1057 found 1-1/2" Iron Pin. OCCR 1/19/83. ODOT Brass Cap set by Truett McCarty. SD-11 September 1966. Station Number T-72-12.

West 1/4 Corner of Section 17, T-19-N, R-12-E
Found 4" Steel Cap and 2 references. Assigned ODOT No. T-72-1608.
LS 1304 found a 4-1/2" Steel Disc. OCCR 8/11/00.

CC 1/4 Corner of Section 17, T-19-N, R-12-E
Found PK Nail and 3 references. Assigned ODOT No. T-72-1609.
LS 1024 Set a PK Nail and 3 references. OCCR 2/28/05.

Northeast Corner of Section 8, T-19-N, R-12-E
Found Chiseled "x" and 3 references. Assigned ODOT No. T-72-1610.
LS 1052 found a Chiseled Cross in concrete pavement. OCCR 4/16/01.
LS 1024 set Chiseled "x". OCCR 12/20/94.

North 1/4 Corner of Section 8, T-19-N, R-12-E
Found PK Nail set by unknown surveyor. Monument was set by single proportionate measurement. Assigned ODOT No. T-72-1611.

Northwest Corner of Section 8, T-19-N, R-12-E
Found PK Nail set by unknown person from references filed by LS 1024 OCCR 12/14/90. Assigned ODOT No. T-72-1612. LS 1024 found Trestle Spike and 3 references. OCCR 12/14/90.

East 1/4 Corner of Section 6, T-19-N, R-12-E
Found PK Nail and 2 references. Assigned ODOT No. T-72-1613.
LS 1304 set a Mag Nail from existing references and added 2 references. OCCR 8/11/01. LS 101 set PK Nail from Hwy Dept. References. OCCR 2/11/83.

Northeast Corner of Section 6, T-19-N, R-12-E
Found 3/4" Iron Pin and 2 references. Assigned ODOT No. T-72-1614.
LS 1146 found 1" Iron Pin. OCCR 9/07/01. LS 1024 set 3/4" Iron Pin at point of intersection of the West line of the NW/4 of Sec.5 with the South line of the SW/4 of Sec. 31, T20N, R12E. OCCR 1/24/91.

North 1/4 Corner of Section 6, T-19-N, R-12-E
Found 1/2" Iron Pin and 3 references. Assigned ODOT No. T-72-1615.
LS 1024 found 1/2" Iron Pin and set 3 references. OCCR 2/11/83.

Northwest Corner of Section 6, T-19-N, R-12-E
Found 1/2" Iron Pin with cap stamped B&A CA #6 and 3 references. Assigned ODOT No. T-72-1616. LS 1024 set 1/2" Iron Pin with cap stamped B&A CA #6 and set 3 references. OCCR 9/21/98.

West 1/4 Corner of Section 6, T-19-N, R-12-E
Set PK Nail during previous survey from references provided by LS 1024. Assigned ODOT No. T-72-1617. LS 1024 found Railroad Spike set by unknown surveyor and 3 references. OCCR 2/11/83.

Southwest Corner of Section 6, T-19-N, R-12-E
Found ODOT Brass Plate and 3 references. Assigned ODOT No. T-72-1618.
LS 1432 found Brass Plate. OCCR 3/29/05. LS 101 found Brass Plate. OCCR 2/11/83. LS 823 found Brass Plate. OCCR 1/22/79.
South 1/4 Corner of Section 6, T-19-N, R-12-E
Found 3/4" Iron Pin and 3 references. Assigned ODOT No. T-72-1619.
LS 101 found Railroad Spike. OCCR 2/11/83.

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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

PLS	PDH	OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION
DRAWN	MMM	
CHECKED	EGZ	**SURVEY DATA SHEET**
APPROVED	WTM	
CREW	MESHEK	EC 1593 JP NO. 31313 (04) SHEET NO.

East 1/4 Corner of Section 5, T-19-N, R-12-E
Found PK Nail and 3 references. Assigned ODOT No. T-72-1620.
LS 1636 found a PK Nail and 2 references. OCCR 2/18/14.
LS 1052 found PK Nail. OCCR 4/16/01. LS 1024 set a PK Nail from 2 ODOT references. OCCR 1/24/91.

Northeast Corner of Section 5, T-19-N, R-12-E
Found PK Nail set by LS 1024. Assigned ODOT No. T-72-1621. LS 1636 found a PK Nail and 2 references. OCCR 2/18/14. LS 1052 found Magnetic Nail and 2 references. OCCR 4/16/01. LS 1024 set a PK Nail at a point of intersection of the East line of the NE/4 of Sec. 5 with the South line of the SW/4 of Sec. 32, T20N, R12E. OCCR 1/24/91.

North 1/4 Corner of Section 5, T-19-N, R-12-E
Found PK Nail and 3 references. Assigned ODOT No. T-72-1622.
LS 1024 found a Yellow Plastic Cap covering top of Iron Pin Found flush with pavement stamped on Cap: OKLA. Dept. of Transportation. LS 1024 set a PK Nail on O.D.O.T. N/S 1/4 Sec. Line of Sec. 5 at a point along the South line of the SE/4 of Section 31, T20N, R12E. OCCR 1/24/91.

South 1/4 Corner of Section 4, T-19-N, R-12-E
Found Chiseled "x" and 2 references. Assigned ODOT No. T-72-1623.
LS 1024 set a Chiseled "x" from lot corners within subdivisions near Quarter Corner. OCCR 12/20/94.

East 1/4 Corner of Section 4, T-19-N, R-12-E
Found Railroad Spike and 3 references set by unknown surveyor. Assigned ODOT No. T-72-1624. PK Nail found 2' south of corner.

Northeast Corner of Section 4, T-19-N, R-12-E
Found remains of Brass Cap concrete base set by unknown surveyor and 3 references. Assigned ODOT No. T-72-1625.

North 1/4 Corner of Section 4, T-19-N, R-12-E
Found 5/8" Iron Pin set by unknown surveyor and 3 references. Assigned ODOT No. T-72-1626. LS 1052 found 5/8" Iron Pin and set 3 references. OCCR 4/16/01.

Osage County
Southwest Corner of Section 32, T-20-N, R-12-E
Found 3/8" Iron Pin and 2 references. Assigned No. O-57-1332.
LS 1213 found 1/2" Iron Pin. OCCR 4/10/07. LS 1026 found 5/8" Iron Pin. OCCR 2/1/83.

South 1/4 Corner of Section 32, T-20-N, R-12-E
Found PK Nail and 3 references. Assigned No. O-57-1333.
LS 1530 found Mag. Nail in asphalt that match the references indicated by Fitzgerald corner record. OCCR 2/4/11. LS 1213 found Mag. Nail. OCCR 4/10/07. LS 1176 set Brass Cap flush with asphalt paving. OCCR 1/25/84.

Southeast Corner of Section 32, T-20-N, R-12-E
Found PK Nail and 3 references. Assigned No. O-57-1334.
LS 1636 found Mag. Nail. OCCR 2/10/11. LS 1213 found PK Nail. OCCR 4/10/07.
LS 531 found Steel Cap with markings worn off. OCCR 6/21/82.

East 1/4 Corner of Section 32, T-20-N, R-12-E
Found 3/8" Iron Pin with cap stamped CA #1427 and 2 references. Assigned No. O-57-1335. LS 1636 set with cap stamped CA #1427 from references by LS 1024.
OCCR 2/10/11. LS 1213 found 3/4" Iron Pin. OCCR 4/10/07. LS 1024 set 5/8" Iron Pin at record pro-rated government distance between NW. Section Corner and SW. Section Corner of Sec. 33. OCCR 2/22/95.

Northeast Corner of Section 32, T-20-N, R-12-E
Found 2" Pipe and 4 references. Assigned No. O-57-1336.
LS 1139 found 2" Pipe accepted and a #4 rebar not accepted. OCCR 5/7/10.
LS 1213 found 1/2" Iron Pin. OCCR 4/10/07. LS 1052 found a 2" Pipe. OCCR 7/11/07. LS 1432 found a #4 Rebar. OCCR 6/7/06. LS 1024 found a 2" Pipe. OCCR 3/27/92.

North 1/4 Corner of Section 32, T-20-N, R-12-E
Found 1" Pipe and 3 references. Assigned No. O-57-1337.
LS 1213 found a 1" Pipe. OCCR 4/10/07. LS 569 found a 3/4" Pipe. OCCR 3/17/06.
LS 1057 found a 1" Pipe. OCCR 10/24/86. LS 1176 found a 1" Pipe. OCCR 1/25/84.

Northwest Corner of Section 32, T-20-N, R-12-E
Found 5/8" Iron Pin and 3 references. Assigned No. O-57-1338.
LS 1213 found a 1" Pipe. OCCR 4/10/07. LS 569 found a 1/2" Iron Pin. OCCR 6/10/02. LS 1057 found a 1/2" Iron Pin. OCCR 10/24/86. LS 1176 found a 1/2" Iron Pin. OCCR 1/25/84. LS 1026 found a 5/8" Iron Pin. OCCR 2/1/83.

West 1/4 Corner of Section 32, T-20-N, R-12-E
Monument and references destroyed due to recent roadway survey.
Position calculated from data provided by LS 1213 surveys and assigned No. O-57-1339. LS 1213 found a 1/2" Iron Pin. OCCR 4/10/07. LS 1057 found a 1" Disc. OCCR 10/24/86. LS 1026 found a 1/2" Iron Pin. OCCR 2/1/83.

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Southwest Corner of Section 31, T-20-N, R-12-E
Found 5/8" Iron Pin and 3 references. Assigned No. O-57-1340.
LS 1636 found 5/8" Iron Pin. OCCR 2/10/11. LS 1213 found 5/8" Iron Pin. OCCR 4/10/07. LS 1026 found 5/8" Iron Pin. OCCR 2/1/83.

South 1/4 Corner of Section 31, T-20-N, R-12-E
Found 3/8" Iron Pin and 3 references. Assigned No. O-57-1341.
LS 1636 found 3/8" Iron Pin. OCCR 2/10/11. LS 1213 found Brass Cap. OCCR 4/10/07. LS 1026 set 3/8" Iron Pin. OCCR 2/1/83.

North 1/4 Corner of Section 31, T-20-N, R-12-E
Found 3/4" Iron Pin and 3 references. Assigned No. O-57-1342.
LS 1636 found 1" Iron Pin. OCCR 2/10/11. LS 1213 found 1" Iron Pin. OCCR 4/10/07. LS 1026 found 1" Pipe in concrete. OCCR 2/1/83.

Northwest Corner of Section 31, T-20-N, R-12-E
Found Land Office Survey Brass Cap and 3 references. Assigned No. O-57-1343.
LS 1213 found Brass Cap. OCCR 4/10/07. LS 1509 Land Office Survey Brass Cap. OCCR 6/10/02. LS 1026 Land Office Survey Brass Cap. OCCR 2/1/83.

West 1/4 Corner of Section 31, T-20-N, R-12-E
Found PK Nail set by unknown surveyor and 3 references. Assigned No. O-57-1344.
LS 1636 Found 1/2" Iron Pin with B&A cap. OCCR 2/10/11. LS 1213 Found 1/2" Iron Pin with B&A cap. OCCR 4/10/07. LS 1026 Found 1" Pipe. OCCR 2/1/83.

13. EXISTING RIGHT-OF-WAY

Existing right-of-way, easements, and property ownership for this survey were from information on file and provided by the City of Tulsa to Garver, L.L.C. at the start of this project. The Right-of-Way, as established under the City of Tulsa Project 966120 Functional Plans 2004, was not set at the time of this survey with any Right-of-Way monuments.

14. UTILITIES

a) All utility companies servicing the project area were contacted thru "CALL OKIE" and the locations were obtained by conventional field methods.
b) The information was placed in the submitted Micro station Design File, and a hardcopy of the ODOT form SD-7, List of Public/Privately Owned Utilities, submitted with the completed survey.

OKLAHOMA DEPARTMENT OF TRANSPORTATION

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PLS	PDH	
DRAWN	MMM	
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APPROVED	WTM	
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OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

EC 1593 JP NO. 31313 (04) SHEET NO.

15. ENVIRONMENTAL CONCERNS

None were found.

16. DRAINAGE INFORMATION

Drainage areas for all drains crossing the survey Centerline were developed from the topographic survey and Aerial Data Services for the City of Tulsa Project 966120 Functional Plans 2004.

17. PROPERTY OWNERS

Information obtained from Tulsa County Assessor's records and provided by the City of Tulsa.

18. SURVEY DATA SHEETS

Survey Data Sheets were submitted in the form of a Micro station Design File achieved on a Meshek & Associates computer system. These will be incorporated into the set of design drawings and will be in substantial conformity with the ODOT Survey Division for Survey Data Sheets.

19. DATA SUBMITTED

i. Historical Report and Written Report
ii. ODOT form SD-1, Transmittal Letter
iii. ODOT form SD-7, Public and Privately Owned Utilities List
iv. ODOT form SD-11, Position and Description of Survey Monuments
v. ODOT form SD-20, Survey Control Data Statement
vi. ODOT Form SD-41, Surveyor's Certification.
vii. Cogo Data
viii. Benchmarks & Check Levels List



ALIGNMENT REPORT

Project Name: JP 31313(04)_V1

Horizontal Alignment / Centerline of Survey

Description: A001 – Gilcrease Expressway

Station Equation

Internal Station	Back Station	Ahead Station
402+72.380432298814	402+72.380432298814	36+05.43

Tangent Data

Description	PT Station	Northing	Easting
Start: (300)	90+09.00	402273.5525	2546603.0669
End: (301)	100+44.27	402254.4891	2545558.9692

Tangent Data

Parameter	Value	Parameter	Value
Length:	1044.272	Course:	S 88° 57' 14.38" W

Curve Point Data

Description	Station	Northing	Easting
PC: (301)	100+44.27	402254.4891	2545558.9692
RP:		404545.9384	2545517.1313
PT: (305)	136+86.11	404545.9384	2543225.3001

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	91° 02' 45.62"	Type:	RIGHT
Radius:	2291.831		
Length:	3641.840	Tangent:	2334.058
Mid-Ord:	686.122	External:	979.303
Chord:	3270.589	Course:	N 45° 31' 22.81" W

Tangent Data

Description	PT Station	Northing	Easting
Start: (305)	136+86.11	404545.9384	2543225.3001
End: (310)	245+83.47	415443.2987	2543225.3001

Tangent Data

Parameter	Value	Parameter	Value
Length:	10897.360	Course:	N 00° 00' 00.00" W

Curve Point Data

Description	Station	Northing	Easting
PC: (310)	245+83.47	415443.2987	2543225.3001
RP:		415443.2987	2537495.7222
PT: (312)	258+98.47	416746.7847	2543075.0580

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	13° 09' 00.01"	Type:	LEFT
Radius:	5729.578		
Length:	1315.000	Tangent:	660.402
Mid-Ord:	37.684	External:	37.934
Chord:	1312.116	Course:	N 06° 34' 30.00" W

Tangent Data

Description	PT Station	Northing	Easting
Start: (312)	258+98.47	416746.7847	2543075.0580
End: (313)	274+27.89	418236.1016	2542727.1127

Tangent Data

Parameter	Value	Parameter	Value
Length:	1529.422	Course:	N 13° 09' 00.01" W

Curve Point Data

Description	Station	Northing	Easting
PC: (313)	274+27.89	418236.1016	2542727.1127
RP:		421494.8164	2556675.4522
PT: (317)	306+11.42	421390.8472	2542351.8846

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OKLAHOMA DEPARTMENT OF TRANSPORTATION

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

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PLS	PDH	
DRAWN	MMM	
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APPROVED	WTM	
CREW	MESHEK	

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

EC 1593 JP NO. 31313 (04) SHEET NO.

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

REVISIONS	
DESCRIPTION	DATE

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	12° 44' 02.84"	Type:	RIGHT
Radius:	14323.945		
Length:	3183.530	Tangent:	1598.350
Mid-Ord:	88.352	External:	88.901
Chord:	3176.982	Course:	N 06° 46' 58.59" W

Tangent Data

Description	PT Station	Northing	Easting
Start: (317)	306+11.42	421390.8472	2542351.8846
End: (319)	351+26.21	425905.5094	2542319.1144

Tangent Data

Parameter	Value	Parameter	Value
Length:	4514.781	Course:	N 00° 24' 57.17" W

Curve Point Data

Description	Station	Northing	Easting
PC: (319)	351+26.21	425905.5094	2542319.1144
RP:		426071.8602	2565236.8225
PCC: (324)	380+42.77	428815.4728	2542483.3259

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	07° 17' 29.05"	Type:	RIGHT
Radius:	22918.312		
Length:	2916.561	Tangent:	1460.252
Mid-Ord:	46.379	External:	46.473
Chord:	2914.593	Course:	N 03° 13' 47.35" E

Curve Point Data

Description	Station	Northing	Easting
PCC: (324)	380+42.77	428815.4728	2542483.3259
RP:		431559.0854	2519729.8294
PT: (327)	402+72.38=36+05.43	431038.5357	2542642.2287

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	05° 34' 26.53"	Type:	LEFT
Radius:	22918.312		
Length:	2229.614	Tangent:	1115.687
Mid-Ord:	27.108	External:	27.140
Chord:	2228.735	Course:	N 04° 05' 18.61" E

Tangent Data

Description	PT Station	Northing	Easting
Start: (327)	36+05.43	431038.5357	2542642.2287
End: (328)	74+81.85	434913.9600	2542730.2750

Tangent Data

Parameter	Value	Parameter	Value
Length:	3876.424	Course:	N 01° 18' 05.35" E

50% plans

ALIGNMENT REPORT

Project Name: JP 31313(04)_V1

Horizontal Alignment / Centerline of Survey

Description: A002- W. 21st ST

Tangent Data

Description	PT Station	Northing	Easting
Start: (346)	10+00.00	418668.2896	2541341.4410
End: (347)	15+18.27	418462.9106	2541817.2772

Tangent Data

Parameter	Value	Parameter	Value
Length:	518.267	Course:	S 66° 39' 14.96" E

Curve Point Data

Description	Station	Northing	Easting
PC: (347)	15+18.27	418462.9106	2541817.2772
RP:		419064.1101	2542076.7650
PT: (350)	17+91.29	418409.3306	2542082.9772

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	23° 53' 21.91"	Type:	LEFT
Radius:	654.809		
Length:	273.022	Tangent:	138.524
Mid-Ord:	14.178	External:	14.492
Chord:	271.049	Course:	S 78° 35' 55.92" E

Tangent Data

Description	PT Station	Northing	Easting
Start: (350)	17+91.29	418409.3306	2542082.9772
End: (351)	44+05.19	418434.1288	2544696.7606

Tangent Data

Parameter	Value	Parameter	Value
Length:	2613.901	Course:	N 89° 27' 23.13" E

SDS 7 OF 51

PLS	PDH		OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION
DRAWN	MMM		**SURVEY DATA SHEET**
CHECKED	EGZ		
APPROVED	WTM		
CREW	MESHEK		EC 1593 JP NO: 31313 (04) SHEET NO.

ALIGNMENT REPORT

Project Name: JP 31313(04)_V1

Horizontal Alignment / Centerline of Survey

Description: A003-Charles Page Blvd

Tangent Data

Description	PT Station	Northing	Easting
Start: (344)	9+69.82	423709.9597	2541404.3157
End: (345)	30+69.82	423709.1519	2543504.3149

Tangent Data

Parameter	Value	Parameter	Value
Length:	2099.999	Course:	S 89° 58' 40.66" E

ALIGNMENT REPORT

Project Name: JP 31313(04)_V1

Horizontal Alignment / Centerline of Survey

Description: A004-57th St.

Tangent Data

Description	PT Station	Northing	Easting
Start: (365)	55+00.00	425190.0004	2541880.1315
End: (366)	56+79.45	425267.4605	2542042.0026

Tangent Data

Parameter	Value	Parameter	Value
Length:	179.450	Course:	N 64° 25' 39.00" E

Curve Point Data

Description	Station	Northing	Easting
PC: (366)	56+79.45	425267.4605	2542042.0026
RP:		425380.2155	2541988.0460
PT: (369)	58+76.78	425435.0592	2542100.3721

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	90° 27' 06.00"	Type:	LEFT
Radius:	125.000		
Length:	197.335	Tangent:	125.989
Mid-Ord:	36.961	External:	52.478
Chord:	177.472	Course:	N 19° 12' 06.00" E

Tangent Data

Description	PT Station	Northing	Easting
Start: (369)	58+76.78	425435.0592	2542100.3721
End: (370)	60+61.44	425600.9891	2542019.3561

Tangent Data

Parameter	Value	Parameter	Value
Length:	184.652	Course:	N 26° 01' 27.00" W

Curve Point Data

Description	Station	Northing	Easting
PC: (370)	60+61.44	425600.9891	2542019.3561
RP:		425655.8329	2542131.6822
PT: (373)	62+58.84	425768.6192	2542077.7912

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	90° 29' 06.00"	Type:	RIGHT
Radius:	125.000		
Length:	197.408	Tangent:	126.063
Mid-Ord:	36.987	External:	52.530
Chord:	177.523	Course:	N 19° 13' 06.00" E

Tangent Data

Description	PT Station	Northing	Easting
Start: (373)	62+58.84	425768.6192	2542077.7912
End: (374)	65+45.68	425892.2840	2542336.6042

Tangent Data

Parameter	Value	Parameter	Value
Length:	286.840	Course:	N 64° 27' 39.00" E

Curve Point Data

Description	Station	Northing	Easting
PC: (374)	65+45.68	425892.2840	2542336.6042
RP:		425756.9404	2542401.2734
PT: (377)	68+42.22	425762.8824	2542551.1557

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	113° 16' 08.00"	Type:	RIGHT
Radius:	150.000		
Length:	296.537	Tangent:	227.785
Mid-Ord:	67.503	External:	122.738
Chord:	250.554	Course:	S 58° 54' 17.00" E

50% plans

PLS	PDH	
DRAWN	MMM	
CHECKED	EGZ	
APPROVED	WTM	
CREW	MESHEK	

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

EC 1593 JP NO. 31313 (04) SHEET NO.

Tangent Data

Description	PT Station	Northing	Easting
Start: (377)	68+42.22	425762.8824	2542551.1557
End: (378)	69+49.85	425655.3406	2542555.4192

Tangent Data

Parameter	Value	Parameter	Value
Length:	107.626	Course:	S 02° 16' 13.00" E

ALIGNMENT REPORT

Project Name: JP 31313(04)_V1

Horizontal Alignment / Centerline of Survey

Description: A005-Keystone Expressway

Tangent Data

Description	PT Station	Northing	Easting
Start: (329)	296+99.70	423667.7602	2538297.9142
End: (330)	310+41.24	424627.3986	2539235.3701

Tangent Data

Parameter	Value	Parameter	Value
Length:	1341.540	Course:	N 44° 19' 48.28" E

Curve Point Data

Description	Station	Northing	Easting
PC: (330)	310+41.24	424627.3986	2539235.3701
RP:		422225.1324	2541694.4798
PT: (333)	321+01.24	425260.3910	2540080.3830

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	17° 40' 00.00"	Type:	RIGHT
Radius:	3437.747		
Length:	1060.000	Tangent:	534.239
Mid-Ord:	40.774	External:	41.264
Chord:	1055.806	Course:	N 53° 09' 48.28" E

Tangent Data

Description	PT Station	Northing	Easting
Start: (333)	321+01.24	425260.3910	2540080.3830
End: (334)	326+92.58	425538.0380	2540602.4894

Tangent Data

Parameter	Value	Parameter	Value
Length:	591.340	Course:	N 61° 59' 48.28" E

Curve Point Data

Description	Station	Northing	Easting
PC: (334)	326+92.58	425538.0380	2540602.4894
RP:		428573.2967	2538988.3925
PT: (337)	336+52.58	426100.5242	2541376.5927

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	16° 00' 00.00"	Type:	LEFT
Radius:	3437.747		
Length:	960.000	Tangent:	483.144
Mid-Ord:	33.456	External:	33.785
Chord:	956.884	Course:	N 53° 59' 48.28" E

Tangent Data

Description	PT Station	Northing	Easting
Start: (337)	336+52.58	426100.5242	2541376.5927
End: (338)	343+96.63	426617.4151	2541911.7881

Tangent Data

Parameter	Value	Parameter	Value
Length:	744.050	Course:	N 45° 59' 48.28" E

Curve Point Data

Description	Station	Northing	Easting
PC: (338)	343+96.63	426617.4151	2541911.7881
RP:		424144.6426	2544299.9884
PT: (341)	369+46.99	427581.2160	2544210.1674

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	42° 30' 21.85"	Type:	RIGHT
Radius:	3437.747		
Length:	2550.364	Tangent:	1337.076
Mid-Ord:	233.806	External:	250.868
Chord:	2492.280	Course:	N 67° 14' 59.20" E

50% plans

PLS	PDH	
DRAWN	MMM	
CHECKED	EGZ	
APPROVED	WTM	
CREW	MESHEK	

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

EC 1593 JP NO. 31313 (04) SHEET NO.

OKLAHOMA DEPARTMENT OF TRANSPORTATION

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

REVISIONS

DESCRIPTION	DATE

Tangent Data

Description	PT Station	Northing	Easting
Start: (341)	369+46.99	427581.2160	2544210.1674
End: (342)	378+91.00	427605.8808	2545153.8494

Tangent Data

Parameter	Value	Parameter	Value
Length:	944.004	Course:	N 88° 30' 10.13" E

Tangent Data

Description	PT Station	Northing	Easting
Start: (342)	378+91.00	427605.8808	2545153.8494
End: (343)	397+75.52	427655.1193	2547037.7258

Tangent Data

Parameter	Value	Parameter	Value
Length:	1884.520	Course:	N 88° 30' 10.13" E

ALIGNMENT REPORT

Project Name: JP 31313(04)_V1

Horizontal Alignment / Centerline of Survey

Description: A006-8th and 9th St.

Tangent Data

Description	PT Station	Northing	Easting
Start: (387)	80+00.00	422869.3614	2541867.0052
End: (388)	81+01.06	422970.4201	2541865.9821

Tangent Data

Parameter	Value	Parameter	Value
Length:	101.064	Course:	N 00° 34' 48.13" W

Curve Point Data

Description	Station	Northing	Easting
PC: (388)	81+01.06	422970.4201	2541865.9821
RP:		422968.2941	2541655.9929
PT: (391)	81+86.79	423053.6065	2541847.8830

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	23° 23' 21.87"	Type:	LEFT
Radius:	210.000		
Length:	85.727	Tangent:	43.469
Mid-Ord:	4.359	External:	4.452
Chord:	85.133	Course:	N 12° 16' 29.07" W

Tangent Data

Description	PT Station	Northing	Easting
Start: (391)	81+86.79	423053.6065	2541847.8830
End: (392)	82+83.80	423142.2533	2541808.4715

Tangent Data

Parameter	Value	Parameter	Value
Length:	97.013	Course:	N 23° 58' 10.00" W

Curve Point Data

Description	Station	Northing	Easting
PC: (392)	82+83.80	423142.2533	2541808.4715
RP:		423227.5657	2542000.3616
PT: (395)	83+67.90	423223.8080	2541790.3952

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	22° 56' 39.00"	Type:	RIGHT
Radius:	210.000		
Length:	84.095	Tangent:	42.618
Mid-Ord:	4.195	External:	4.281
Chord:	83.534	Course:	N 12° 29' 50.50" W

Tangent Data

Description	PT Station	Northing	Easting
Start: (395)	83+67.90	423223.8080	2541790.3952
End: (396)	84+38.61	423294.5077	2541789.1299

Tangent Data

Parameter	Value	Parameter	Value
Length:	70.711	Course:	N 01° 01' 31.00" W

Curve Point Data

Description	Station	Northing	Easting
PC: (396)	84+38.61	423294.5077	2541789.1299
RP:		423293.0763	2541709.1427
PT: (399)	85+56.45	423372.8208	2541715.5307

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	84° 23' 41.28"	Type:	LEFT
Radius:	80.000		
Length:	117.837	Tangent:	72.533
Mid-Ord:	20.733	External:	27.986
Chord:	107.470	Course:	N 43° 13' 21.64" W

Tangent Data

Description	PT Station	Northing	Easting
Start: (399)	85+56.45	423372.8208	2541715.5307
End: (400)	85+99.42	423376.2519	2541672.6991

50% Plans

SDS 10 OF 51

PLS	PDH		OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION
DRAWN	MMM		**SURVEY DATA SHEET**
CHECKED	EGZ		
APPROVED	WTM		
CREW	MESHEK		EC 1593 JP NO. 31313 (04) SHEET NO.

50% plans

Tangent Data

Parameter	Value	Parameter	Value
Length:	42.969	Course:	N 85° 25' 12.28" W

Curve Point Data

Description	Station	Northing	Easting
PC: (400)	85+99.42	423376.2519	2541672.6991
RP:		423166.9224	2541655.9307
PT: (403)	86+33.11	423376.2421	2541639.0411

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	09° 11' 34.85"	Type:	LEFT
Radius:	210.000		
Length:	33.694	Tangent:	16.883
Mid-Ord:	0.675	External:	0.678
Chord:	33.658	Course:	S 89° 59' 00.30" W

Tangent Data

Description	PT Station	Northing	Easting
Start: (403)	86+33.11	423376.2421	2541639.0411
End: (404)	86+75.00	423372.8734	2541597.2907

Tangent Data

Parameter	Value	Parameter	Value
Length:	41.886	Course:	S 85° 23' 12.87" W

ALIGNMENT REPORT

Project Name: JP 31313(04)_V1

Horizontal Alignment / Centerline of Survey

Description: A007- 8th St. Cul-De-Sac

Tangent Data

Description	PT Station	Northing	Easting
Start: (381)	0+00.00	423359.6591	2542864.5400
End: (382)	0+92.56	423297.7715	2542933.3733

Tangent Data

Parameter	Value	Parameter	Value
Length:	92.564	Course:	S 48° 02' 29.34" E

Curve Point Data

Description	Station	Northing	Easting
PC: (382)	0+92.56	423297.7715	2542933.3733
RP:		423397.9995	2543023.4877
PT: (385)	1+92.01	423263.2193	2543024.2323

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	42° 16' 30.25"	Type:	LEFT
Radius:	134.782		
Length:	99.448	Tangent:	52.110
Mid-Ord:	9.068	External:	9.723
Chord:	97.207	Course:	S 69° 10' 44.47" E

Tangent Data

Description	PT Station	Northing	Easting
Start: (385)	1+92.01	423263.2193	2543024.2323
End: (386)	2+88.09	423263.7501	2543120.3100

Tangent Data

Parameter	Value	Parameter	Value
Length:	96.079	Course:	N 89° 41' 00.41" E

ALIGNMENT REPORT

Project Name: SWO 5129(1)_1_V1

Horizontal Alignment / Centerline of Survey

Description: A008-31st St.

Tangent Data

Description	PT Station	Northing	Easting
Start: (513)	10+00.00	413124.2614	2541875.3583
End: (352)	18+00.00	413132.0900	2542675.3200

Tangent Data

Parameter	Value	Parameter	Value
Length:	800.000	Course:	N 89° 26' 21.52" E

Tangent Data

Description	PT Station	Northing	Easting
Start: (352)	18+00.00	413132.0900	2542675.3200
End: (353)	28+50.02	413142.1300	2543725.2900

Tangent Data

Parameter	Value	Parameter	Value
Length:	1050.018	Course:	N 89° 27' 07.72" E

Tangent Data

Description	PT Station	Northing	Easting
Start: (353)	28+50.02	413142.1300	2543725.2900
End: (517)	32+50.02	413145.9547	2544125.2717

Tangent Data

Parameter	Value	Parameter	Value
Length:	400.000	Course:	N 89° 27' 07.72" E

ALIGNMENT REPORT

Project Name: JP 31313(04)_V1

Horizontal Alignment / Centerline of Survey

Description: A009-41st St.

Tangent Data

Description	PT Station	Northing	Easting
Start: (509)	8+87.07	407842.2695	2542205.6278
End: (354)	12+87.07	407848.4500	2542605.5800

Tangent Data

Parameter	Value	Parameter	Value
Length:	400.000	Course:	N 89° 06' 52.80" E

Tangent Data

Description	PT Station	Northing	Easting
Start: (354)	12+87.07	407848.4500	2542605.5800
End: (355)	17+00.02	407860.2000	2543018.3600

Tangent Data

Parameter	Value	Parameter	Value
Length:	412.947	Course:	N 88° 22' 10.15" E

Tangent Data

Description	PT Station	Northing	Easting
Start: (355)	17+00.02	407860.2000	2543018.3600
End: (356)	21+06.96	407861.0000	2543425.3000

Tangent Data

Parameter	Value	Parameter	Value
Length:	406.941	Course:	N 89° 53' 14.51" E

Tangent Data

Description	PT Station	Northing	Easting
Start: (356)	21+06.96	407861.0000	2543425.3000
End: (357)	25+47.13	407866.1400	2543865.4400

Tangent Data

Parameter	Value	Parameter	Value
Length:	440.170	Course:	N 89° 19' 51.33" E

ALIGNMENT REPORT

Project Name: JP 31313(04)_V1

Horizontal Alignment / Centerline of Survey

Description: A010-51st St.

Tangent Data

Description	PT Station	Northing	Easting
Start: (489)	50+00.00	402553.7268	2542194.1363
End: (358)	60+00.00	402565.1220	2543194.0714

Tangent Data

Parameter	Value	Parameter	Value
Length:	1000.000	Course:	N 89° 20' 49.53" E

Tangent Data

Description	PT Station	Northing	Easting
Start: (358)	60+00.00	402565.1220	2543194.0714
End: (359)	64+84.27	402571.6773	2543678.3014

Tangent Data

Parameter	Value	Parameter	Value
Length:	484.274	Course:	N 89° 13' 27.84" E

Tangent Data

Description	PT Station	Northing	Easting
Start: (359)	64+84.27	402571.6773	2543678.3014
End: (360)	78+19.49	402587.9970	2545013.4214

Tangent Data

Parameter	Value	Parameter	Value
Length:	1335.220	Course:	N 89° 17' 58.87" E

Tangent Data

Description	PT Station	Northing	Easting
Start: (360)	78+19.49	402587.9970	2545013.4214
End: (361)	83+91.98	402598.7510	2545585.8100

Tangent Data

Parameter	Value	Parameter	Value
Length:	572.490	Course:	N 88° 55' 25.16" E

Tangent Data

Description	PT Station	Northing	Easting
Start: (361)	83+91.98	402598.7510	2545585.8100
End: (490)	93+91.98	402614.7073	2546585.6827

Tangent Data

Parameter	Value	Parameter	Value
Length:	1000.000	Course:	N 89° 05' 08.64" E

50% plans

PLS	PDH		OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION
DRAWN	MMM		**SURVEY DATA SHEET**
CHECKED	EGZ		
APPROVED	WTM		
CREW	MESHEK		EC 1593 JP NO: 31313 (04) SHEET NO.

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

REVISIONS	
DESCRIPTION	DATE

ALIGNMENT REPORT

Project Name: JP 31313(04)_V1

Horizontal Alignment / Centerline of Survey

Description: A011-49th St.

Tangent Data

Description	PT Station	Northing	Easting
Start: (501)	500+00.00	401398.9062	2545605.1094
End: (505)	517+00.00	403098.6863	2545577.7686

Tangent Data

Parameter	Value	Parameter	Value
Length:	1700.000	Course:	N 00° 55' 17.46" W

ALIGNMENT REPORT

Project Name: JP 31313(04)_V1

Horizontal Alignment / Centerline of Survey

Description: A012-S. 57th W. Ave.

Tangent Data

Description	PT Station	Northing	Easting
Start: (521)	600+00.00	417350.7754	2542658.4394
End: (529)	605+00.00	417850.6967	2542649.5709

Tangent Data

Parameter	Value	Parameter	Value
Length:	500.000	Course:	N 01° 00' 58.72" W

50% plans

ALIGNMENT REPORT

Project Name: JP 31313(04)_V1

Horizontal Alignment / Centerline of Survey

Description: A013- W. 22nd St.

Tangent Data

Description	PT Station	Northing	Easting
Start: (533)	650+00.00	417746.7604	2542251.3641
End: (525)	654+00.00	417750.7124	2542651.3446

Tangent Data

Parameter	Value	Parameter	Value
Length:	400.000	Course:	N 89° 26' 02.05" E

ALIGNMENT REPORT

Project Name: JP 31313(04)_V1

Horizontal Alignment / Centerline of Survey

Description: A014- 57th Ave.

Tangent Data

Description	PT Station	Northing	Easting
Start:	700+00.00	428443.9830	2542723.8186
End:	716+21.05	430064.6861	2542690.0898

Tangent Data

Parameter	Value	Parameter	Value
Length:	1621.05	Course:	N 01° 11' 32" W

Tangent Data

Description	PT Station	Northing	Easting
Start:	716+21.05	430064.6861	2542690.0898
End:	742+97.79	432740.4624	2542618.5801

Tangent Data

Parameter	Value	Parameter	Value
Length:	2676.73	Course:	N 01° 31' 51" W

SDS 13 OF 51

PLS	PDH	
DRAWN	MMM	
CHECKED	EGZ	
APPROVED	WTM	
CREW	MESHEK	

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

EC 1593 JP NO. 31313 (04) SHEET NO.

8-87

POINT COORDINATE LIST

POINT	NORTHING	EASTING	ELEVATION
BM-1	419735.90513	2542160.25891	646.72
BM-2	418948.07983	2542279.77690	644.59
BM-3	417733.31741	2542625.30465	660.67
BM-4	416955.23805	2542730.64911	664.35
BM-5	416266.94901	2542746.03294	661.99
BM-6	415569.23104	2542674.70064	661.61
BM-7	414868.73224	2542690.12248	659.31
BM-8	414043.62570	2542730.30688	670.78
BM-9	413343.77835	2542727.65935	668.19
BM-10	412647.88170	2542808.85330	670.70
BM-11	411928.04375	2542831.34256	676.47
BM-12	411220.21240	2542843.56780	684.06
BM-13	410492.76340	2542851.06200	693.84
BM-14	409797.51930	2542787.26770	694.18
BM-15	409099.69450	2542798.02050	692.75
BM-16	408427.21400	2542812.57480	698.50
BM-17	407716.06320	2542950.79070	705.66
BM-18	406966.96600	2543012.47550	708.18
BM-19	406267.74980	2543060.96860	715.83
BM-20	405555.87510	2543062.48420	719.46

POINT COORDINATE LIST

POINT	NORTHING	EASTING	ELEVATION
BM-21	404866.48540	2543067.21190	728.47
BM-22	404142.57830	2543117.89850	736.53
BM-23	403447.55130	2543330.50150	757.74
BM-24	402885.63500	2543782.86680	766.85
BM-25	402625.16580	2544475.63320	764.75
BM-1N	421699.78028	2542613.47509	640.08
BM-2N	422428.39073	2542600.03882	639.77
BM-3N	423094.27193	2542585.10282	634.07
BM-5N	424472.36165	2542535.58221	642.00
BM-6N	425174.13567	2542532.82608	642.20
BM-7N	425973.65218	2542520.19738	646.15
BM-8N	426984.15704	2542505.58141	670.73
ADS-84	418760.46800	2539858.78400	817.69
ADS-85	423635.65500	2539779.72200	642.96
ADS-86	428381.66100	2539735.63900	766.43
ADS-101	401231.13400	2542956.02600	763.84
ADS-102	401341.12500	2545578.45900	734.82
ADS-103	403105.03200	2542909.21400	749.50
ADS-104	402525.57700	2544287.67200	770.98
ADS-105	403150.72800	2545598.86000	752.78

POINT COORDINATE LIST

POINT	NORTHING	EASTING	ELEVATION
ADS-106	405364.48700	2542521.97600	721.46
ADS-108	407880.10800	2542449.57400	703.59
ADS-109	407841.87000	2544054.59400	714.34
ADS-110	410457.34200	2542542.46600	681.66
ADS-111	410504.44900	2543756.54100	727.08
ADS-112	413136.19600	2542716.48600	667.44
ADS-113	413145.05400	2543810.14800	710.09
ADS-114	415775.54300	2541691.53500	681.22
ADS-115	415763.74700	2542688.61100	664.68
ADS-116	415766.84800	2543339.70400	654.59
ADS-117	418899.72500	2541367.14800	652.33
ADS-118	418457.81900	2542477.54300	649.12
ADS-119	418458.72600	2544146.53300	648.52
ADS-120	421125.69400	2541162.46000	654.77
ADS-121	421235.84100	2542614.45900	653.73
ADS-122	421328.56100	2543856.03300	638.52
ADS-129	423771.30800	2540789.15400	644.91
ADS-130	423771.96900	2542541.67500	644.90
ADS-131	423763.73200	2543858.90600	643.91
ADS-132	424702.72000	2540070.82700	649.17

POINT COORDINATE LIST

POINT	NORTHING	EASTING	ELEVATION
ADS-133	425221.03200	2539203.27100	648.72
ADS-134	426051.39600	2542505.31600	658.84
ADS-135	426525.99700	2541244.64300	655.02
ADS-136	428376.58700	2540522.42700	675.19
ADS-137	426632.12000	2543811.60700	646.91
ADS-138	426643.01100	2545276.75400	644.74
ADS-139	426621.24200	2548204.35900	641.64
ADS-140	428448.17400	2542241.59300	716.39
ADS-141	428442.61600	2543526.73800	687.30
ADS-142	428528.79800	2545398.74600	660.43
ADS-143	428591.36900	2548110.79100	676.30
CP-200	424902.30720	2539670.25540	657.18
CP-201	425217.35780	2540234.07450	662.21
CP-202	425568.58600	2540839.17450	661.02
CP-203	425962.59670	2541338.95490	664.17
CP-204	426464.15100	2541868.50060	665.15
CP-205	426899.02220	2542378.79790	667.86
CP-206	427231.93380	2542974.35010	674.08
CP-207	427444.49580	2543662.85370	679.15
CP-208	427484.31220	2544230.33940	682.95
CP-209	427522.14650	2544697.82610	687.75
CP-210	427538.02260	2545356.60780	687.08
CP-211	424986.61080	2539946.18040	675.38
CP-212	424707.86230	2539449.25720	660.02

POINT COORDINATE LIST

POINT	NORTHING	EASTING
300	402273.55250	2546603.06690
301	402254.48910	2545558.96920
302	402211.88030	2543225.30010
303	402579.76030	2544339.57700
304	402910.64390	2543911.42200
305	404545.93840	2543225.30010
306	405210.72460	2543225.30010
307	407860.60680	2543225.30010
308	410495.45480	2543225.30010
309	413137.34900	2543225.30010
310	415443.29870	2543225.30010
311	416103.70030	2543225.30010
312	416746.78470	2543075.05800
313	418236.10160	2542727.11270
314	418415.05660	2542686.51090
315	419792.53930	2542363.48610
316	419803.03920	2542451.76460
317	421390.84720	2542351.88460
318	423709.60170	2542335.05370
319	425905.50940	2542319.11440
320	426359.02050	2542320.30980
321	427365.72250	2542308.51530
322	427363.10420	2542354.91470
323	428438.14620	2542440.99600
324	428815.47280	2542483.32590
325	429923.13650	2542616.88780
326	429925.07150	2542589.81660
327	431038.53570	2542642.22870
328	434913.96000	2542730.27500
329	423667.76020	2538297.91420
330	424627.39860	2539235.37010
331	425009.55400	2539608.69180
332	424976.52850	2539633.43090
333	425260.39100	2540080.38300
334	425538.03800	2540602.48940

POINT COORDINATE LIST

POINT	NORTHING	EASTING
335	425764.88450	2541029.06720
336	425792.21580	2541009.20750
337	426100.52420	2541376.59270
338	426617.41510	2541911.78810
339	427546.28100	2542873.54750
340	427314.93110	2542970.56170
341	427581.21600	2544210.16740
342	427605.88080	2545153.84940
343	427655.03200	2547037.50950
344	423709.95970	2541404.31570
345	423709.15190	2543504.31490
346	418668.28960	2541341.44100
347	418462.91060	2541817.27720
348	418408.01640	2541944.45980
349	418422.22230	2541947.32450
350	418409.33060	2542082.97720
351	418434.12880	2544696.76060
352	413132.09000	2542675.32000
353	413142.13000	2543725.29000
354	407848.45000	2542605.58000
355	407860.20000	2543018.36000
356	407861.00000	2543425.30000
357	407866.14000	2543865.44000
358	402565.12200	2543194.07140
359	402571.67730	2543678.30140
360	402587.99700	2545013.42140
361	402598.75100	2545585.81000
364	425153.55640	2539893.80330
365	425190.00039	2541880.13153
366	425267.46050	2542042.00258
367	425321.84413	2542155.64993
368	425339.10371	2542106.09182
369	425435.05925	2542100.37210
370	425600.98910	2542019.35605
371	425714.27011	2541964.04606

POINT COORDINATE LIST

POINT	NORTHING	EASTING
372	425696.97898	2542013.64830
373	425768.61923	2542077.79119
374	425892.28397	2542336.60425
375	425990.48837	2542542.13237
376	425885.38680	2542478.74286
377	425762.88237	2542551.15571
378	425655.34058	2542555.41916
379	425884.00167	2542319.27055
380	426966.11605	2542335.96395
381	423359.65910	2542864.53997
382	423297.77148	2542933.37330
383	423272.01911	2542975.57942
384	423262.93139	2542972.12352
385	423263.21929	2543024.23233
386	423263.75012	2543120.31000
387	422869.36141	2541867.00524
388	422970.42006	2541865.98213
389	423012.94007	2541861.19217
390	423013.88650	2541865.54208
391	423053.60652	2541847.88296
392	423142.25330	2541808.47150
393	423182.12280	2541795.33732
394	423181.19642	2541791.15779
395	423223.80804	2541790.39520
396	423294.50775	2541789.12993
397	423347.86311	2541767.43855
398	423367.02909	2541787.83206
399	423372.82082	2541715.53071
400	423376.25186	2541672.69911
401	423376.92240	2541655.86990
402	423377.59999	2541655.86971
403	423376.24212	2541639.04109
404	423372.87336	2541597.29068
405	402257.12281	2545703.21690
409	402291.37830	2545105.48934

POINT COORDINATE LIST

POINT	NORTHING	EASTING
413	403681.73942	2543394.47955
417	406369.82638	2543225.30011
421	407359.82638	2543225.30011
425	408859.82638	2543225.30011
429	409759.82638	2543225.30011
433	410859.82638	2543225.30011
437	411859.82638	2543225.30011
441	413859.82638	2543225.30011
445	414759.82638	2543225.30011
449	415777.33626	2543215.55454
452	417235.16094	2542960.95986
456	419189.49161	2542538.23622
460	422279.39908	2542345.43496
464	423279.37274	2542338.17654
468	424279.34639	2542330.91812
472	425279.32005	2542323.65970
476	431932.87491	2542662.54734
481	418425.54126	2543791.61145
485	424240.23556	2538857.15651
486	426335.26032	2541619.64150
487	427084.43374	2542517.92991
488	427634.85662	2546262.47211
489	402553.72680	2542194.13630
490	402614.70730	2546585.68270
491	401598.88030	2545601.89280
501	401398.90617	2545605.10936
505	403098.68630	2545577.76860
509	407842.26945	2542205.62775
513	413124.26145	2541875.35828
517	413145.95470	2544125.27171
521	417350.77536	2542658.43942
525	417750.71243	2542651.34461
529	417850.69670	2542649.57090
533	417746.76039	2542251.36413
537	422869.61449	2541892.00396

POINT COORDINATE LIST

POINT	NORTHING	EASTING
538	422869.86758	2541917.00268
539	422870.12066	2541942.00139
540	423359.81549	2541618.60950
541	423353.82743	2541581.09646
542	423380.90014	2541573.61430
543	423359.65910	2542889.53997
544	423359.65910	2542914.53997
545	423359.65910	2542939.53997
546	423288.74973	2543120.17188
547	423285.47008	2543165.34602
548	423238.75050	2543120.44812
549	425167.44940	2541890.92285
550	425145.79319	2541856.77082
551	425198.17902	2541856.50718
552	425791.17650	2542067.01299
553	425813.73377	2542056.23479
554	425836.29104	2542045.45659
555	425914.84124	2542325.82605
556	425937.39851	2542315.04785
557	425959.95578	2542304.26965
558	425655.34058	2542530.41916
559	425655.34058	2542505.41916
560	425655.34058	2542480.41916
9000	397388.24480	2550968.33350
9001	397351.37750	2548319.79600
9002	397313.47060	2545670.82340
9003	399956.10160	2545628.31670
9004	402598.75100	2545585.81000
9005	402640.88390	2548225.99320
9006	402683.01670	2550866.17650
9007	400035.49530	2550916.69300
9008	397274.43770	2543011.34580
9009	397235.32320	2540372.04010
9010	399879.23340	2540324.75990

POINT COORDINATE LIST

POINT	NORTHING	EASTING
9011	402523.52100	2540275.01000
9012	402564.11600	2542933.17400
9013	405168.17400	2540242.86200
9014	407809.70550	2540210.55160
9015	407850.63680	2542859.27560
9016	407891.45440	2545508.29200
9017	405243.86100	2545547.87600
9018	410452.27700	2540162.12610
9019	413095.04480	2540116.51220
9020	413129.08780	2542765.33650
9021	413162.37670	2545412.20060
9022	410526.95250	2545459.84770
9023	415742.98000	2540068.95300
9024	418389.76920	2540021.15890
9025	418414.91490	2542671.56680
9026	418440.06050	2545321.97480
9027	415801.21860	2545367.08770
9028	421043.09840	2539970.44900
9029	423696.42760	2539919.73900
9030	423716.24530	2542576.66560
9031	423736.06300	2545233.59210
9032	421088.06180	2545277.78340
9033	423640.25990	2537274.45610
9034	423578.62950	2534533.85380
9035	426211.53540	2534470.84130
9036	428244.00810	2534427.96060
9037	428316.97980	2537171.46900
9038	428379.85260	2539837.96910

POINT COORDINATE LIST

POINT	NORTHING	EASTING
9039	426343.77790	2539872.61820
9040	428439.12000	2542484.47800
9041	428501.36040	2545131.19820
9042	426376.87560	2545179.04830
9043	428564.47000	2547781.65160
9044	428635.25820	2550436.42550
9045	426468.76880	2550471.40050
9046	423827.08040	2550522.91770
9047	423781.68520	2547883.28550
9048	399995.80440	2548272.90040
9049	399917.60580	2542972.28460
9050	405206.03000	2542896.24360
9051	410489.63340	2542812.31010
9052	415772.10400	2542718.44980
9053	421065.58010	2542624.11620
9054	426278.74910	2537216.35340
9055	426330.79000	2542536.54000
9056	426422.85580	2547827.16080
9057	428325.25750	2537391.73840
9058	430072.12140	2537361.01800
9059	432675.95100	2537316.86330
9060	432724.79310	2539948.00380
9061	432740.46240	2542618.58010
9062	428443.98300	2542723.81860
9063	428384.34480	2540057.82510
9064	428505.60650	2545329.59900
9065	428567.26760	2547935.47170
9066	430063.40090	2547934.37770
9067	432718.68830	2547931.27500
9068	432758.46380	2545260.18820

50% plans

OKLAHOMA DEPARTMENT OF TRANSPORTATION

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

REVISIONS

DESCRIPTION	DATE

SDS 14 OF 51

PLS	PDH		OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION
DRAWN	MMM		**SURVEY DATA SHEET**
CHECKED	EGZ		
APPROVED	WTM		
CREW	MESHEK		EC 1593 JP NO. 31313 (04) SHEET NO.

OKLAHOMA DEPARTMENT OF TRANSPORTATION

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

REVISIONS

DESCRIPTION	DATE

CHECK LEVELS EC1593							BENCH MARK LIST NAVD 88 DATUM
BM NO.	RUN 1	RUN 2	MEAN DIFF.	UNADJ ELEV.	ADJ. ELEV.	PUBLISHED ELEV.	BENCHMARK DESCRIPTION
ADS 85						642.96	5/8" REBAR WITH 1-1/2" ALUM. CAP STAMPED #85 2555..8' LT. OF STA. 328+74.84 (PROP. GILCREASE EXPWY.)
TO	3.763	-3.763	3.763				
BM1				646.723	646.723		#6 REBAR 297' LT. OF STA. 289+88
TO	-2.13	2.131	-2.131				
BM2				644.59	644.592		#6 REBAR 295' LT. OF STA. 282+07
TO	4.527	-4.532	4.530				
ADS 118				649.12	649.122		FOUND 5/8" REBAR WITH 1-1/2" ALUM. CAP 195' LT. OF STA. 276+97
TO	11.55	-11.552	11.551				
BM3				660.67	660.673		#6 REBAR 214' LT. OF STA. 269+62
TO	3.682	-3.68	3.681				
BM4				664.35	664.354		#6 REBAR 288' LT. OF STA. 261+80
TO	-2.367	2.368	-2.368				
BM5				661.98	661.986		#6 REBAR 415' LT. OF STA. 254+75
TO	-0.376	0.372	-0.374				
BM6				661.61	661.612		#6 REBAR 549' LT. OF STA. 247+23
TO	-2.304	2.305	-2.305				
BM7				659.30	659.308		#6 REBAR 535' LT. OF STA. 240+09
TO	11.47	-11.47	11.471				
BM8				670.78	670.778		CHISELED BOX SET ON BRIDGE RAILING 495' LT. OF STA. 231+84
TO	-2.591	2.592	-2.5915				
BM9				668.18	668.187		BRASS CAP SET IN HEADWALL STAMPED GARVER BM9 498' LT. OF STA. 224+84
TO	2.52	-2.516	2.518				
BM10				670.70	670.705		#6 REBAR 416' LT. OF STA. 217+88
TO	5.764	-5.763	5.7635				
BM11				676.47	676.468		#6 REBAR 394' LT. OF STA. 210+68
TO	7.594	-7.591	7.593				
BM12				684.06	684.061		#6 REBAR 382' LT. OF STA. 203+60
TO	9.784	-9.784	9.784				
BM13				693.85	693.845		#6 REBAR 374' LT. OF STA. 196+33
TO	0.335	-0.343	0.339				
BM14				694.18	694.184		#6 REBAR 438' LT. OF STA. 189+38
TO	-1.431	1.43	-1.4305				
BM15				692.75	692.753		#6 REBAR 427' LT. OF STA. 182+40
TO	5.743	-5.743	5.743				
BM16				698.49	698.496		#6 REBAR 413' LT. OF STA. 175+67
TO	7.162	-7.164	7.163				
BM17				705.65	705.659		#6 REBAR 275' LT. OF STA. 168+56
TO	2.523	-2.525	2.524				
BM18				708.18	708.183		#6 REBAR 213' LT. OF STA. 161+07
TO	7.647	-7.645	7.646				
BM19				715.82	715.829		#6 REBAR 164' LT. OF STA. 154+08
TO	3.634	-3.633	3.6335				
BM20				719.46	719.463		#6 REBAR 163' LT. OF STA. 146+96
TO	9.002	-9.004	9.003				
BM21				728.46	728.466		#6 REBAR 158' LT. OF STA. 140+07
TO	8.062	-8.062	8.062				
BM22				736.52	736.528		#6 REBAR 141' LT. OF STA. 133+04
TO	21.21	-21.21	21.21				
BM23				757.73	757.738		#6 REBAR 155' LT. OF STA. 126+19
TO	9.115	-9.115	9.115				
BM24				766.85	766.853		#6 REBAR 109' LT. OF STA. 119+36
TO	-2.105	2.105	-2.105				
BM25				764.74	764.748		#6 REBAR 107' RT. OF STA. 112+25

CHECK LEVELS EC1593							BENCH MARK LIST NAVD 88 DATUM
BM NO.	RUN 1	RUN 2	MEAN DIFF.	UNADJ ELEV.	ADJ. ELEV.	PUBLISHED ELEV.	BENCHMARK DESCRIPTION
ADS 85						642.960	5/8" REBAR WITH 1-1/2" ALUM.CAP STAMPED #85 2555.8' LT. OF STA. 328+74.84 (PROP. GILCREASE EXPWY.)
TO	1.936	-1.936	1.936				
ADS130				644.896	644.896		5/8" REBAR WITH 1-1/2" ALUM.CAP STAMPED #130 207.1' RT. OF STA. 329+91.1
TO	-4.81	4.812	-4.811				
BM1-N				640.09	640.085		#6 REBAR 263.8' RT. OF STA. 309+18.5
TO	-0.31	0.312	-0.311				
BM2-N				639.78	639.774		#6 REBAR 255.7' RT. OF STA. 316+47.1
TO	-5.707	5.705	-5.706				
BM3-N				654.07	654.068		#6 REBAR 245.6' RT. OF STA. 323+13.1
TO	7.929	7.931	7.930				
BM5-N				642.00	641.998		#6 REBAR 206.1' RT. OF STA. 336+91.5
TO	0.20	-0.202	0.201				
BM6-N				642.20	642.199		#6 REBAR 208.4' RT. OF STA. 343+93.3
TO	3.946	3.948	3.947				
BM7-N				646.14	646.146		#6 REBAR 201.5' RT. OF STA. 351+93.5

50% plans

SDS 15 OF 51

PLS	PDH		OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION
DRAWN	MMM		**SURVEY DATA SHEET**
CHECKED	EGZ		
APPROVED	WTM		
CREW	MESHEK		EC 1593 JP NO. 31313 (04) SHEET NO.

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

REVISIONS	
DESCRIPTION	DATE

CHECK LEVELS							BENCH MARK LIST
EC1593							NAVD 88 DATUM
BM NO.	RUN 1	RUN 2	MEAN DIFF.	UNADJ ELEV.	ADJ. ELEV.	PUBLISHED ELEV.	BENCHMARK DESCRIPTION
ADS 85						642.960	5/8" REBAR WITH 1-1/2" ALUM. CAP STAMPED #85 2555.8' LT. OF STA. 328+74.84 (PROP. GILCREASE EXPWY.)
TO	32.411	-32.411	32.411				
CP211				675.371	675.371		1/2" REBAR SET 169.4' RT. OF STA. 318+41.2 (KEYSTONE EXPWY.)
TO	-15.37	15.364	-15.365				
CP212				660.01	660.006		1/2" REBAR SET 90.4' RT. OF STA. 312+54 (KEYSTONE EXPWY.)
TO	-2.837	2.841	-2.839				
CP200				657.17	657.167		1/2" REBAR SET 81.5' RT. OF STA. 315+56 (KEYSTONE EXPWY.)
TO	5.043	5.043	5.043				
CP201				662.21	662.210		1/2" REBAR SET 110.2' RT. OF STA. 322+16.7 (KEYSTONE EXPWY.)
TO	-1.177	1.201	-1.189				
CP202				661.03	661.021		1/2" REBAR SET 91.2' RT. OF STA. 329+10.3 (KEYSTONE EXPWY.)
TO	3.15	-3.148	3.148				
CP203				664.18	664.169		1/2" REBAR SET 75.2' RT. OF STA. 335+32.3 (KEYSTONE EXPWY.)
TO	0.976	0.977	0.977				
CP204				665.16	665.146		1/2" REBAR SET 80.2' RT. OF STA. 342+59 (KEYSTONE EXPWY.)
TO	2.72	-2.712	2.716				
CP205				667.88	667.862		1/2" REBAR SET 79.5' RT. OF STA. 349+43.1 (KEYSTONE EXPWY.)
TO	6.221	6.221	6.221				
CP206				674.10	674.083		1/2" REBAR SET 77.9' RT. OF STA. 356+42.6 (KEYSTONE EXPWY.)
TO	5.076	-5.062	5.069				
CP207				679.18	679.152		1/2" REBAR SET 76.9' RT. OF STA. 363+81.1 (KEYSTONE EXPWY.)
TO	3.796	-3.792	3.794				
CP208				682.97	682.946		1/2" REBAR SET 97.4' RT. OF STA. 369+64.6 (KEYSTONE EXPWY.)
TO	4.811	-4.812	4.812				
CP209				687.78	687.757		1/2" REBAR SET 71.8' RT. OF STA. 374+32.9 (KEYSTONE EXPWY.)
TO	-0.461	0.461	-0.461				
ADS141				687.32	687.296		5/8" REBAR WITH 1-1/2" ALUM. CAP STAMPED #141 1079.2' RT. OF STA. 377+85.4 (PROP. GILCREASE EXPWY.)
TO	29.097	29.091	29.094				
ADS140				716.42	716.390		5/8" REBAR WITH 1-1/2" ALUM. CAP STAMPED #140' 199.4' LT. OF STA. 376+52.6 (PROP. GILCREASE EXPWY.)

60% plans

SDS 16 OF 51

PLS	PDH	
DRAWN	MMM	
CHECKED	EGZ	
APPROVED	WTM	
CREW	MESHEK	

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

EC 1593 JP NO. 31313 (04) SHEET NO.

50% plans

OKLAHOMA DEPARTMENT OF TRANSPORTATION

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

REVISIONS	
DESCRIPTION	DATE

SE/4
SECTION 29
TOWNSHIP–19–NORTH
RANGE–12–EAST

SW/4
SECTION 28
TOWNSHIP–19–NORTH
RANGE–12–EAST

NE/4
SECTION 32
TOWNSHIP–19–NORTH
RANGE–12–EAST

NW/4
SECTION 33
TOWNSHIP–19–NORTH
RANGE–12–EAST

E.O.P. Sta. 517+00.00

P.I. Sta. 78+19.49

P.I. Sta. 93+91.98

E.O.P. Sta. 93+91.98

P.O.T. Sta. 512+00.00

P.O.T. Sta. 502+00.00

B.O.P. Sta. 500+00.00

P.C. Sta. 100+44.27

P.O.B. Sta. 90+00.00

Mid. Sta. 118+65.19

P.O.C. Sta. 71+45.60
Pk Nail on C.R.L. Glencrose Expy.

P.O.T. Sta. 113+38.82
Pk Nail on C.R.L. W. 51st St.

N89° 15' 06.99"E 1335.22'
2652.862

N89° 05' 08.64"E
2640.519'

S88°57'14"W 2334.06

S88°57'14"W 1044.27

N0° 49' 17.88"W
2645.382'

N0° 05' 17.46"W
2644.991'

N89°05'09"E 1000.00'

S12°30'30"W 100.00'

S12°02'46"W 100.00'

S12°02'46"W 100.00'

N24°53'14"E 1200.00'

Pk Nail Set Mid

Pk Nail Set

1/2" Rebar Set W/Cap

1-1/4" Rebar Fd.
FD. 1-1/4" I.P.
0.13' SOUTH
0.0' EAST
OF PLAN

600 Nail Set

600 Nail Set in PP

600 Nail Fd. in PP

600 Nail Fd. in 18" Cedar

ALL R.P.'S #4 REBAR

A011 Glencrose Expy. CRL

A010 W. 51st St.

A011 S. 49th W. Ave.

SCALE
1" = 50'

PLS	PDH	
DRAWN	MMM	
CHECKED	EGZ	
APPROVED	WTM	
CREW	MESHEK	

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

EC 1593 JP NO. 31313 (04) SHEET NO.

SDS 17 OF 51

8-87

50% plans

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

REVISIONS	
DESCRIPTION	DATE

SW/4
SECTION 29
TOWNSHIP-19-NORTH
RANGE-12-EAST

NW/4
SECTION 29
TOWNSHIP-19-NORTH
RANGE-12-EAST

SE/4
SECTION 29
TOWNSHIP-19-NORTH
RANGE-12-EAST

NE/4
SECTION 29
TOWNSHIP-19-NORTH
RANGE-12-EAST

N00°00'00"E 2314.08'

N0° 48' 03.11"W
2642.172'

N89° 10' 57.41"E
2653.652'

N0° 48' 03.11"W
2644.865'

N89° 10' 57.41"E
2651.902'

A001 Glenrose Expy. CRL

PT Sta. 136+86.11

125+00
130+00
135+00
140+00
145+00
150+00
152+00

BM-23
BM-22
BM-21
BM-20

S87°24'00"W 75.00'
S87°24'00"W 75.00'
S87°24'00"W 75.00'

N90°00'00"W 25.00'
N90°00'00"W 25.00'
N90°00'00"W 100.00'

N90°00'00"W 25.00'
N90°00'00"W 25.00'
N90°00'00"W 100.00'

ALL R.P.'S
#4 REBAR

ALL R.P.'S
#4 REBAR

Calc. Nail Set (6050)
3/8" Rebar Fd. Brass Cap MON NB749'40"E 26.83'
60D Nail Set in 6" Cyn.

N7°59'50"E 8.52'
60D Nail Set in Cor. Post
N44°36'37"E 11.93'
60D Nail Set in Brace Post

POT. Pts. 141+00.00 Rt. of Centerline 2322.58' to the 1/4 Sec. Corner

SCALE
1" = 50'

PLS	PDH	
DRAWN	MMM	
CHECKED	EGZ	
APPROVED	WTM	
CREW	MESHEK	

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

EC 1593 JP NO. 31313 (04) SHEET NO.

SDS 18 OF 51

8-87

50% plans

OKLAHOMA DEPARTMENT OF TRANSPORTATION

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

REVISIONS

DESCRIPTION	DATE

NW/4
SECTION 29
TOWNSHIP–19–NORTH
RANGE–12–EAST

SW/4
SECTION 20
TOWNSHIP–19–NORTH
RANGE–12–EAST

NE/4
SECTION 29
TOWNSHIP–19–NORTH
RANGE–12–EAST

SE/4
SECTION 20
TOWNSHIP–19–NORTH
RANGE–12–EAST

B.O.P. Sta. 8+87.07

P.I. Sta. 12+87.07

P.I. Sta. 17+00.02

P.I. Sta. 21+06.96

E.O.P. Sta. 25+47.13

N0° 48' 03.11"W
2644.865'

S1° 01' 10.45"E
2639.414'

N89° 07' 02.01"E
2649.331'

A001 Glcrease Expy. CRL

N42°38'49"W
61.00'

Chiseled "X" Fd.

60D Nail Set

Top Nut of Fire Hydr.

S0°00'00"E
27.98'

N25°02'03"E
62.35'

1/2" Rebar Set W/ Cap

Pk Nail Set

1/2" REBAR SET W/ CAP

3/8" Rebar Fd.

FD. 3/8" I.P. 0.00' SOUTH 0.26' EAST OF PLAN

Calc.

9015

Pk Nail Fd. ADS 108

Pk Nail Fd. ADS 109

Pk Nail Set on C.R.L Glcrease Expy.

PK NAIL SET

ALL R.P.'S #4 REBAR

BM-15

BM-16

BM-17

BM-18

BM-19

10+00

15+00

20+00

25+00

25+47

160+00

165+00

175+00

180+00

184+00

SCALE
1" = 50'

PLS	PDH		OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION
DRAWN	MMM		**SURVEY DATA SHEET**
CHECKED	EGZ		
APPROVED	WTM		
CREW	MESHEK		EC 1593 JP NO. 31313 (04) SHEET NO.

SDS 19 OF 51

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

REVISIONS	
DESCRIPTION	DATE

SW/4
SECTION 20
TOWNSHIP-19-NORTH
RANGE-12-EAST

NW/4
SECTION 20
TOWNSHIP-19-NORTH
RANGE-12-EAST

SE/4
SECTION 20
TOWNSHIP-19-NORTH
RANGE-12-EAST

NE/4
SECTION 20
TOWNSHIP-19-NORTH
RANGE-12-EAST

N89° 11' 32.3"E
2650.447'

N89° 11' 32.3"E
2647.801'

S1° 01' 10.45"E
2639.414'

S1° 01' 10.45"E
2639.872'

N59°04'25"W
34.74'
Chisele "X" Fd.
West end of 36"RCP

S54°21'26"W
37.89'
5/8" Rebar Fd.
No Cap Center

Chiseled "X" Fd.
East end of 36"RCP

Pk Nail Fd. in PP
Calc. Not Set
(9051)

S54°33'22"E
35.70'

60D Nail Set

60D Nail Set

BM-14

BM-13

BM-12

BM-11

ALL R.P.'S
#4 REBAR

N90°00'00"W
100.00'

N90°00'00"W
200.00'

N90°00'00"W
300.00'

(428)

(308)

(433)

(437)

N0°00'00"E 10807.36'

A00 | Glidrose Expy. CRL

185+00

190+00

195+00

200+00

205+00

210+00

215+00

216+00

POT Sta. 194+35.63
43.63' Rt. to PVMT. set Section Corner

50% plans

SCALE
1" = 50'

PLS	PDH	
DRAWN	MMM	
CHECKED	EGZ	
APPROVED	WTM	
CREW	MESHEK	

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

EC 1593 JP NO. 31313 (04) SHEET NO.

SDS 20 OF 51

8-87

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

REVISIONS	
DESCRIPTION	DATE

NW/4
SECTION 20
TOWNSHIP–19–NORTH
RANGE–12–EAST

SW/4
SECTION 17
TOWNSHIP–19–NORTH
RANGE–12–EAST

NE/4
SECTION 20
TOWNSHIP–19–NORTH
RANGE–12–EAST

SE/4
SECTION 17
TOWNSHIP–19–NORTH
RANGE–12–EAST

N89° 15' 49.21"E
2641.073'

S1° 00' 58.72"E
2643.432'

N89° 15' 46.00"E
2641.073'

15+00
20+00
25+00
30+00
32+50

220+00
225+00
230+00
235+00
240+00
245+00
248+00

P.I. Sta. 18+00.00

P.O.T. Sta. 15+50.01
Pk Nail on C.R.L. Glcrease Expy.

P.O.T. Sta. 222+77.52
Pk Nail on C.R.L. N. 31st St.

P.O.T. Sta. 28+50.02

E.O.P. Sta. 32+50.02

PC Sta. 245+83.47

ALL R.P.'S PK NAILS

ALL R.P.'S #4 REBAR

3/8" Rebar Fd.
Fd. 3/8" I.P.
0.07' SOUTH
0.10' EAST
OF PLAN

Pk Nail Fd.
ADS 112

Pk Nail Fd. in PP
S29°22'59"W
55.22'

60D Nail Set in PP
N53°47'10"W
39.56'

Calc. Not Set

S65°29'33"E
49.29'

Top Nut Fire Hydr.

Pk Nail Set

60D NAIL SET
Pk Nail Set C.R.L.

Pk Nail Fd.
ADS 113

BM-6
BM-7
BM-8
BM-9
BM-10

A001 Glcrease Expy. CRL

N. 31st St.

50% plans

SCALE
1" = 50'

SDS 21 OF 51

PLS	PDH	
DRAWN	MMM	
CHECKED	EGZ	
APPROVED	WTM	
CREW	MESHEK	

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

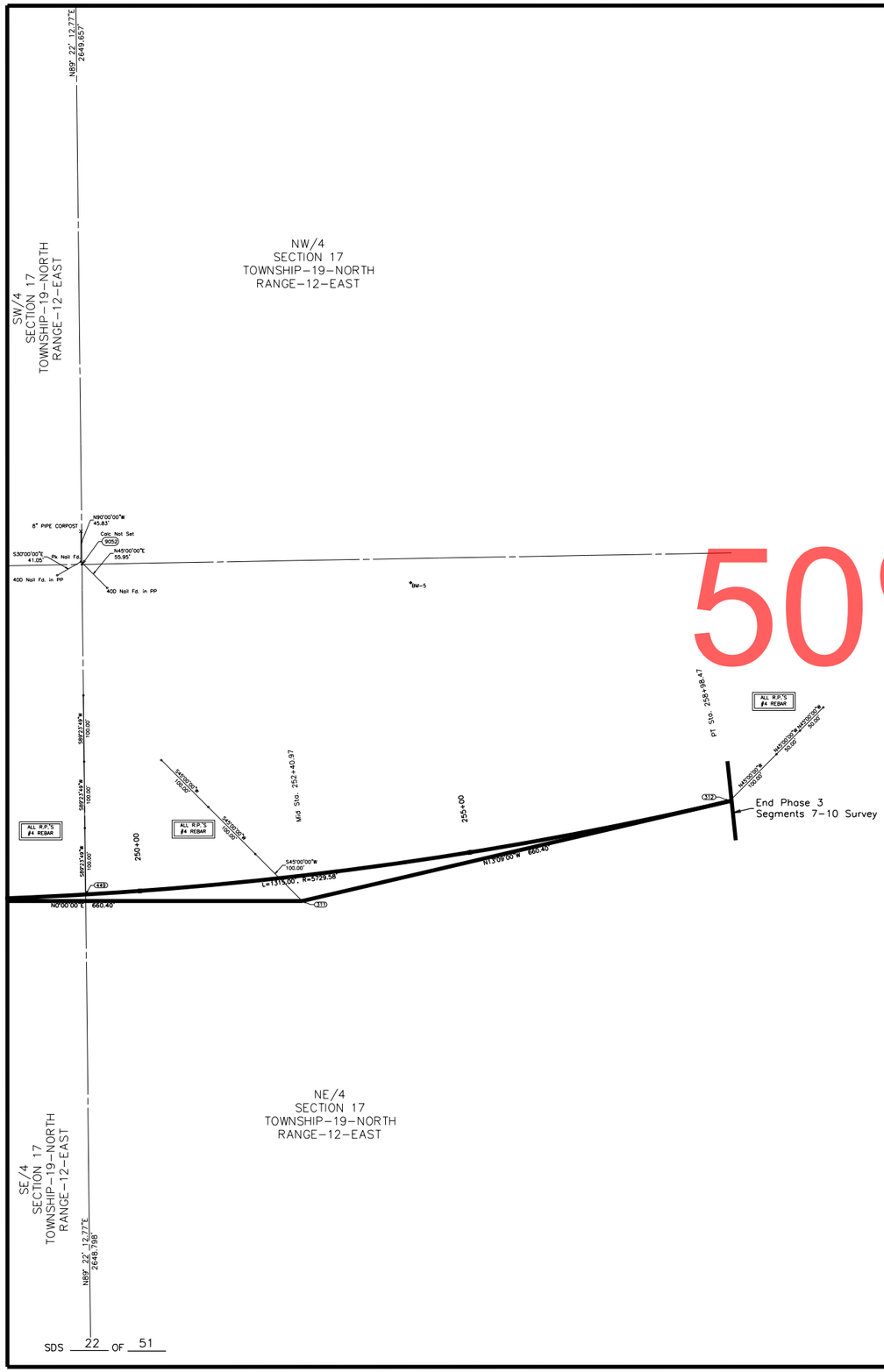
SURVEY DATA SHEET

EC 1593 JP NO. 31313 (04) SHEET NO.

8–87

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

REVISIONS	
DESCRIPTION	DATE



50% plans

SCALE
1" = 50'

PLS	PDH		OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION
DRAWN	MMM		**SURVEY DATA SHEET**
CHECKED	EGZ		
APPROVED	WTM		
CREW	MESHEK		EC 1593 JP NO. 31313 (04) SHEET NO.

SDS 22 OF 51

NW/4
SECTION 17
TOWNSHIP-19-NORTH
RANGE-12-EAST

SW/4
SECTION 8
TOWNSHIP-19-NORTH
RANGE-12-EAST

NE/4
SECTION 17
TOWNSHIP-19-NORTH
RANGE-12-EAST

SE/4
SECTION 8
TOWNSHIP-19-NORTH
RANGE-12-EAST

50% plans

OKLAHOMA DEPARTMENT OF TRANSPORTATION

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

REVISIONS	
DESCRIPTION	DATE

S1° 00' 58.72"E
2643.227'

N89° 27' 23.13"E
2650.527'

S1° 01' 32.04"E
2651.090'

A012 S. 57th W. Ave CRL

A001 Gilcrease Expy. CRL

A002 W. 21st St. CRL

B.O.P. Sta. 650+00.00

E.O.P. Sta. 654+00.00

B.O.P. Sta. 650+00.00

650+00

600+00

605+00

610+00

15+00

20+00

25+00

30+00

210+00

260+00

280+00

285+00

290+00

292+00

P.C. Sta. 15+18.27

Mid Sta. 16+54.78

P.T. Sta. 17+91.29

P.T. Sta. 17+91.29
Pk Nail on C.R.L. W. 21st St.
1923.30' West to Section Corner
727.10' East to 1/4 Section Corner

P.T. Sta. 17+91.29
Pk Nail on C.R.L. W. 21st St.
2061.91 West to Section Corner
588.58 East to 1/4 Section Corner

P.O.T. Sta. 23+94.85
Pk Nail on C.R.L. Gilcrease Expy.
14.94' West to 1/4 Section Corner
2635.46 East to Section Corner

P.O.T. Sta. 214+17.40
Pk Nail on C.R.L. W. 21st St.
2635.46 East to Section Corner

L=3183.53', R=14323.94

ALL R.P.'S #4 REBAR

1/2" Rebor Set W/ Cap

PLAN 1/4

BM-1

BM-2

BM-3

BM-4

Begin Phase 2
Segments 2-3 Survey

SCALE
1" = 50'

PLS	PDH	
DRAWN	MMM	
CHECKED	EGZ	
APPROVED	WTM	
CREW	MESHEK	

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

EC 1593 JP NO. 31313 (04) SHEET NO.

SDS 23 OF 51

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

REVISIONS	
DESCRIPTION	DATE

SCALE
1" = 50'

SW/4
SECTION 8
TOWNSHIP-19-NORTH
RANGE-12-EAST

NW/4
SECTION 8
TOWNSHIP-19-NORTH
RANGE-12-EAST

N89° 30' 52.58"E
2653.762'

50% plans

P.T. Sta. 306+11.42

ALL R.P.'S #4 REBAR

S40°00'00"E 100.00'

S40°00'00"E 100.00'

ALL R.P.'S #4 REBAR

S00°00'00"E 100.00'

S00°00'00"E 100.00'

S89°35'03"W 100.00'

295+00

300+00

305+00

310+00

315+00

320+00

323+00

N72°24'57"W 1598.35'

A001 Gilcrease Expy. CRL

S1° 01' 32.04"E
2651.090'

Calc. Not Set
(9053)

Illegible Copy Mon.
ADS 121'

+BM-1N

S1° 01' 32.04"E
2651.090'

+BM-2N

SE/4
SECTION 8
TOWNSHIP-19-NORTH
RANGE-12-EAST

N89° 30' 52.58"E
2653.762'

NE/4
SECTION 8
TOWNSHIP-19-NORTH
RANGE-12-EAST

PLS	PDH	
DRAWN	MMM	
CHECKED	EGZ	
APPROVED	WTM	
CREW	MESHEK	

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

EC 1593 JP NO. 31313 (04) SHEET NO.

SDS 24 OF 51

50% plans

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

REVISIONS	
DESCRIPTION	DATE

NW/4
SECTION 8
TOWNSHIP–19–NORTH
RANGE–12–EAST

SW/4
SECTION 5
TOWNSHIP–19–NORTH
RANGE–12–EAST

NE/4
SECTION 8
TOWNSHIP–19–NORTH
RANGE–12–EAST

SE/4
SECTION 5
TOWNSHIP–19–NORTH
RANGE–12–EAST

A003 E. Charles Page Blvd. CRL

A001 Gilcrease Expy. CRL

A004 S. 129th E. Ave. CRL

9+70 P.O.B. Sta. 9+69.82

10+00

15+00

20+00

25+00

330+00

340+00

345+00

350+00

354+00

65+00

ALL R.P.'S #4 REBAR

Mid Sta. 83+25.95

P.T. Sta. 83+67.90

Mid Sta. 84+97.53

P.C. Sta. 84+35.61

E.O.P. Sta. 86+75.00

P.T. Sta. 86+33.11

Mid Sta. 86+16.26

P.C. Sta. 85+99.42

P.T. Sta. 85+56.45

55+00 P.O.B. Sta. 55+00.00

P.T. Sta. 58+30.79

Mid Sta. 57+32.12

P.C. Sta. 56+33.45

P.C. Sta. 60+15.46

Mid Sta. 61+14.17

P.T. Sta. 62+12.87

P.C. Sta. 351+26.21

PC Sta. 65+83.68

P.O.T. Sta. 62+26.50
1/2" Rebar Set on C.R.L. Gilcrease Expy.

P.O.T. Sta. 19+00.56
Chiseled "x" on C.R.L. Gilcrease Expy.

P.O.T. Sta. 339+35.24
Chiseled "x" on C.R.L. E. Charles Page

Chiseled "X" Set C.R.L.

1/2" Rebar Set W/ Cap

Pk Nail Set

Chiseled "x" Set

Chiseled "x" Fd.

FD. PK NAIL
0.01' SOUTH
0.04' WEST
OF PLAN
Pk. Nail Fd.

*BM-3N

*BM-5N

*BM-6N

S1° 01' 32.04"E
2651.090'

S0° 52' 45.31"E
2614.853'

E.O.P. Sta. 69+76.38

P.T. Sta. 68+30.79

Mid Sta. 67+07.23

E.O.P. Sta. 2+88.09

P.C. Sta. 0+92.56

Mid Sta. 1+42.29

PT Sta. 1+92.01

P.O.B. Sta. 0+00.00

SCALE
1" = 50'

SDS 25 OF 51

PLS	PDH		OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION
DRAWN	MMM		**SURVEY DATA SHEET**
CHECKED	EGZ		
APPROVED	WTM		
CREW	MESHEK	EC 1593	JP NO. 31313 (04) SHEET NO.

50% plans

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

REVISIONS	
DESCRIPTION	DATE

NW/4
SECTION 5
TOWNSHIP–19–NORTH
RANGE–12–EAST

SE/4
SECTION 31
TOWNSHIP–20–NORTH
RANGE–12–EAST

NE/4
SECTION 5
TOWNSHIP–19–NORTH
RANGE–12–EAST

SW/4
SECTION 32
TOWNSHIP–20–NORTH
RANGE–12–EAST

S89° 43' 14.37"E
2663.953'

S89° 43' 01.56"W
2647.172'

S89° 39' 10.36"W
2647.452'

N0°24'57"W 1460.25'

S0° 52' 45.31"E
2614.853'

S1° 24' 52.36"E
2108.973'

S1° 11' 31.88"E
1621.054'

L=2916.56', R=22918.31'

P.C. Sta. 343+96.63

Mid Sta. 365+84.49

Mid Sta. 356+71.81

P.C. Sta. 380+42.77

340+00
345+00
350+00
355+00
360+00
365+00
370+00
375+00
380+00
385+00

ADOS Vertical Expy. CRL

A001 Gilcrease Expy. CRL

* CP–204

* CP–205

CP–206 *

ALL R.P.'S PK NAILS

ALL R.P.'S #4 REBAR

FD. 1/2" I.P. 29.6' SOUTH 11.3' EAST OF PLAN 1/2" REBAR FD.

FD. 1/2" I.P. 6.94' NORTH OF PLAN 1/2" REBAR FD.

ALL R.P.'S 3/4 REBAR FD.

CALC NOT SET

2" Gal. Fence Post

Nail Fd. 600 NW Side PP

Nail Fd. 600 N. Side PP

Chiseled "x" Set

3/8" Rebar Fd.

Alum. Cap Mon. @ ADS 140

Pk Nail Set C.R.L.

1/2" Rebar Set C.R.L.

SCALE
1" = 50'

PLS	PDH	
DRAWN	MMM	
CHECKED	EGZ	
APPROVED	WTM	
CREW	MESHEK	

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

EC 1593 JP NO. 31313 (04) SHEET NO.

SDS 26 OF 51

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

REVISIONS	
DESCRIPTION	DATE

SE/4
SECTION 31
TOWNSHIP-20-NORTH
RANGE-12-EAST

NE/4
SECTION 31
TOWNSHIP-20-NORTH
RANGE-12-EAST

50% plans



SW/4
SECTION 32
TOWNSHIP-20-NORTH
RANGE-12-EAST

NW/4
SECTION 32
TOWNSHIP-20-NORTH
RANGE-12-EAST

SCALE
1" = 50'

SDS 27 OF 51

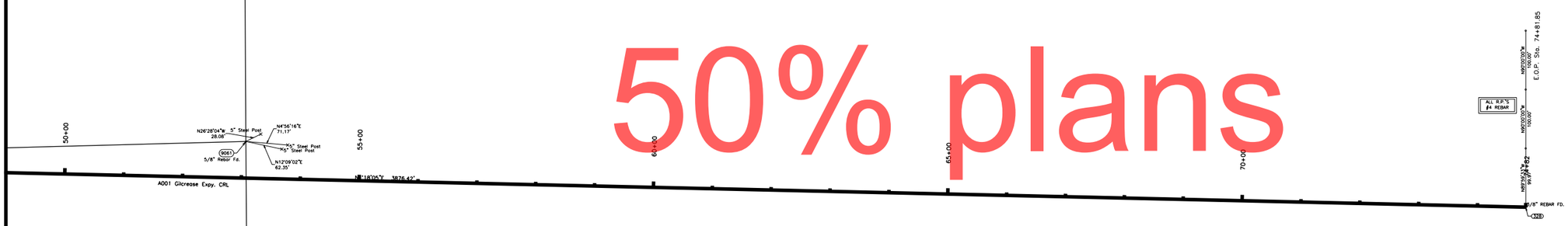
PLS	PDH		OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION
DRAWN	MMM		**SURVEY DATA SHEET**
CHECKED	EGZ		
APPROVED	WTM		
CREW	MESHEK		EC 1593 JP NO. 31313 (04) SHEET NO.

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

REVISIONS	
DESCRIPTION	DATE

NE/4
SECTION 31
TOWNSHIP-20-NORTH
RANGE-12-EAST

S89° 39' 49.78"W
2670.622'



50% plans

NW/4
SECTION 32
TOWNSHIP-20-NORTH
RANGE-12-EAST

S89° 36' 34.42"W
2641.669'

SDS 28 OF 51

.600 NAIL SET

SCALE
1" = 50'

PLS	PDH	
DRAWN	MMM	
CHECKED	EGZ	
APPROVED	WTM	
CREW	MESHEK	

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

EC 1593 JP NO. 31313 (04) SHEET NO.

8-87

50% plans

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

REVISIONS	
DESCRIPTION	DATE

P.O.B. Sta. 10+00.00

ALL R.P.'S #4 REBAR

N23°20'45"E 25.00'

N23°20'45"E 25.00'

N23°20'45"E 25.00'

S66°39'15"E 518.32'
A002 W. 21st St. CRL

OCCUPIED R/W

N23°20'45"E 50.00'

N23°20'45"E 50.00'

15+00

P.C. Sta. 15+18.27

Mid Sta. 16+54.78

P.T. Sta. 17+91.29

P.I. Sta. 17+91.29
19.30' North & 50.00' West to Section Corner
721.10' East to 1/4 Section Corner

P.I. Sta. 17+91.29
29.81' North & 50.00' West to Section Corner
988.18' East to 1/4 Section Corner

N89° 27' 23.13"E
2650.527'

Pk Nail Set Mid

N89°27'23"W 50.00'

N89°27'23"W 50.00'

20+00

285+00

ALL R.P.'S #4 REBAR

S78°51'00"W 50.00'

S78°51'00"W 100.00'

S78°51'00"W 100.00'

*BM-2

S1° 01' 32.04"E
2651.690'

N1°00'00"W 50.00'

N1°00'00"W 100.00'

S1° 00' 58.17"E
2643.227'

280+00

N40°18'38"W 43.62'

Chiseled "x" Fd. Top of Curb

S82°45'22"W 8.51'

S5°100'09"W 88.20'

Chiseled "x" Fd.

Pk Nail Set

PLAN 1/4

Pk Nail Set C.R.L.

S18°50'16"W 44.34'

Chiseled "+" Fd.

P.O.T. Sta. 276+11.40
Pk Nail on C.R.L. W. 21st St.
14.94' West to 1/4 Section Corner
2635.46 East to 1/4 Section Corner

P.I. Sta. 276+11.40
Pk Nail on C.R.L. W. 21st St.
14.94' West to 1/4 Section Corner
2635.46 East to 1/4 Section Corner

25+00

30+00

35+00

N89°27'23"E 2613.90'

N89° 27' 23.13"E
2650.527'

A002 W. 21st St. CRL

40+00

ALL R.P.'S #4 REBAR

S0°02'37"E 50.00'

S0°02'37"E 50.00'

275+00

P.C. Sta. 274+27.89

1/2" Rebar Set W/Cap
P.C. 274+27.89

S45°00'00"W 50.00'

S45°00'00"W 50.00'

ALL R.P.'S #4 REBAR

ALL R.P.'S #4 REBAR

ALL R.P.'S #4 REBAR

E.O.P. Sta. 605+00.00

605+00

S43°59'01"W 25.00'

S43°59'01"W 25.00'

S43°59'01"W 25.00'

S44°26'02"E 25.00'

S44°26'02"W 50.00'

S44°26'02"W 25.00'

650+00

N45°33'58"W 25.00'

N45°33'58"W 25.00'

N45°33'58"W 25.00'

N89°26'02"E 400.00'
A013 W. 22nd St. CRL

270+00

SCALE
1" = 50'

PLS	PDH	
DRAWN	MMM	
CHECKED	EGZ	
APPROVED	WTM	
CREW	MESHEK	

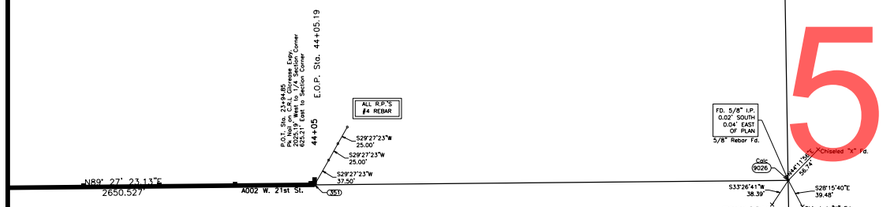
OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

EC 1593 JP NO. 31313 (04) SHEET NO.

SDS 29 OF 51

50% plans





SCALE
1" = 50'

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

REVISIONS	
DESCRIPTION	DATE

PLS	PDH	
DRAWN	MMM	
CHECKED	EGZ	
APPROVED	WTM	
CREW	MESHEK	

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

EC 1593 JP NO. 31313 (04) SHEET NO.

SDS 30 OF 51

50% plans

OKLAHOMA DEPARTMENT OF TRANSPORTATION

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

REVISIONS	
DESCRIPTION	DATE

SCALE
1" = 50'

S0° 52' 45.31"E
2614.853'

BM-5N

BM-3N

S1° 01' 32.04"E
2651.090'

N89° 34' 21.52"E
2657.000'

N89° 34' 21.52"E
2657.000'

9+70 P.O.B. Sta. 9+69.82

ALL R.P.'S #4 REBAR

N45°01'19"E 25.00'

N45°01'19"E 25.00'

N45°01'19"E 50.00'

A003 E. Charles Page Blvd. CRL

10+00

5+00

330+00

P.O.T. Sta. 329+50.24
Chiseled "X" on C.R.L. E. Charles Page

Glycerose Expy. CRL

P.O.T. Sta. 334+00.56
Chiseled "X" on C.R.L. Glycerose Expy.

20+00

25+00

30+00

30+70 E.O.P. Sta. 30+69.82

ALL R.P.'S #4 REBAR

N45°01'19"E 25.00'

1/2" REBAR SET W/ CAP

N45°01'19"E 25.00'

A003 E. Charles Page Blvd. CRL

OCCUPIED R/W

N41°45'57"W 27.54'
Chiseled "X" Set

Calc. 90.30

Chiseled "X" Fd.

S54°56'20"E 35.65'

Pk. Nail Fd.

FD. PK NAIL 0.01' SOUTH 0.04' WEST OF PLAN

S30°19'39"W 23.65'
Chiseled "X" Fd.

S45°00'00"W 100.00'

S45°00'00"W 100.00'

S45°00'00"W 100.00'

ALL R.P.'S #4 REBAR

N0°24'57"W 4514.78'

1/2" Rebar Set W/ Cap
S89°35'03"W 100.00'

1/2" Rebar Set W/ Cap
S89°35'03"W 50.00'

335+00
Pk Nail Set
S89°35'03"W 100.00'

ALL R.P.'S #4 REBAR

S89°35'03"W 50.00'

S89°35'03"W 100.00'

325+00

S89°35'03"W 100.00'

E.O.P. Sta. 86+75.00

P.T. Sta. 86+33.11

Mid Sta. 86+16.26

P.C. Sta. 85+99.42

P.T. Sta. 85+56.45

N85°25'12"W 42.97'

Pk. Nail Fd.
E.O.P. N28°49'00"W 25.00'

S85°25'12"W 41.69'

L=33.69', R=210.00'

S58°30'44"E 25.00'

S40°22'25"W 25.00'

L=117.84', R=80.00'

86+75

85+00

Mid Sta. 84+97.53

P.C. Sta. 84+38.61

P.T. Sta. 83+67.90

L=84.09', R=210.00'

Mid Sta. 83+25.85

P.C. Sta. 82+83.80

P.T. Sta. 81+86.79

Mid Sta. 81+43.93

L=85.73', R=210.00'

P.C. Sta. 81+01.06

P.O.B. Sta. 80+00.00

80+00

N89°25'12"E 25.00'

N89°25'12"E 25.00'

N89°25'12"E 25.00'

320+00

0+00 P.O.B. Sta. 0+00.00

N90°00'00"E 25.00'

P.C. Sta. 0+93.56

Mid Sta. 1+42.29

PT Sta. 1+92.01

2+88 E.O.P. Sta. 2+88.09

N90°00'00"E 25.00'

N90°00'00"E 25.00'

L=99.45', R=134.78'

N80°41'00"E 95.05'

A007

N07°19'00"W 25.00'

N64°15'11"E 50.00'

N07°19'00"W 25.00'

PLS	PDH	
DRAWN	MMM	
CHECKED	EGZ	
APPROVED	WTM	
CREW	MESHEK	

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

EC 1593 JP NO. 31313 (04) SHEET NO.

SDS 31 OF 51

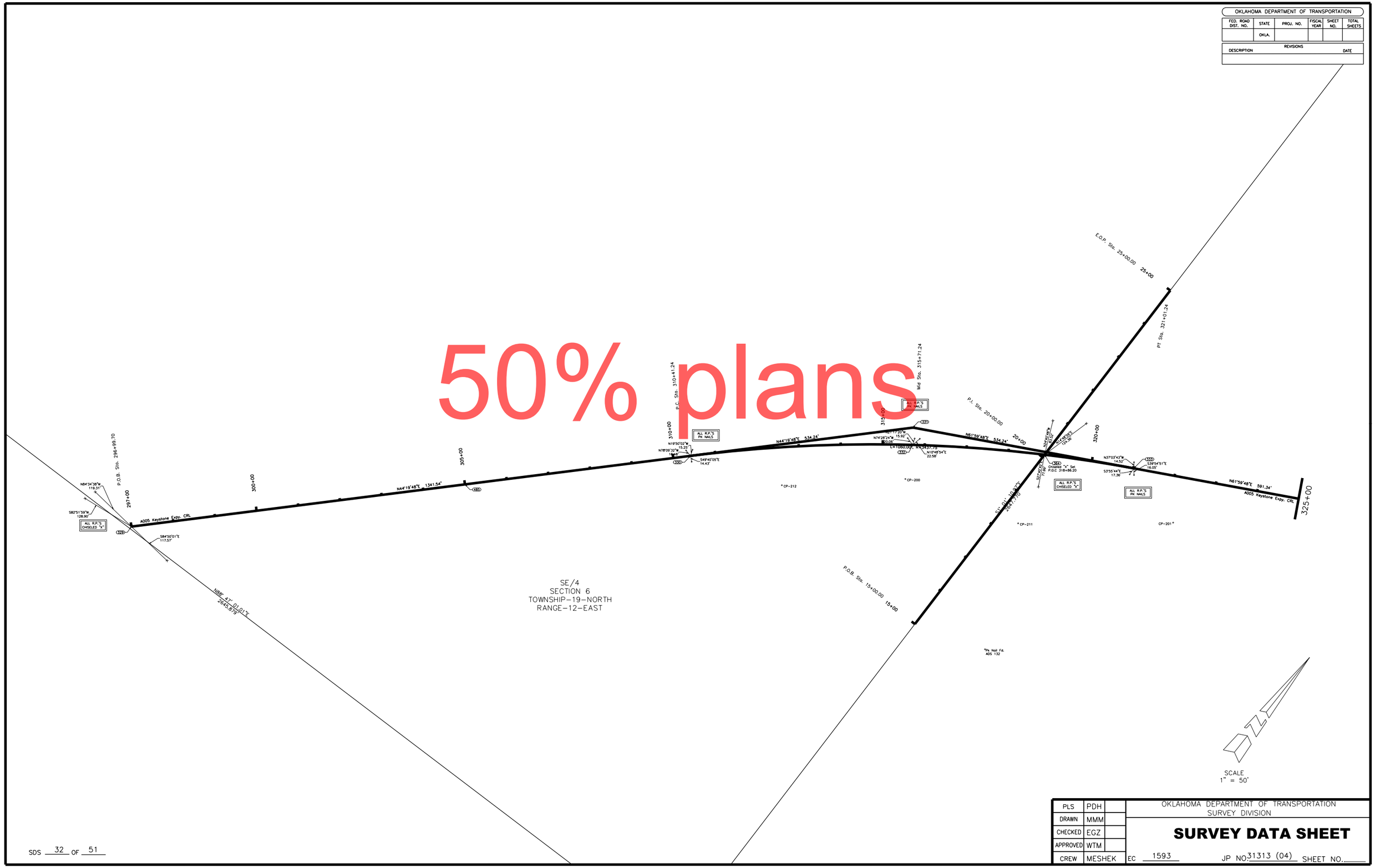
50% plans

OKLAHOMA DEPARTMENT OF TRANSPORTATION

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

REVISIONS

DESCRIPTION	DATE



PLS	PDH		OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION
DRAWN	MMM		**SURVEY DATA SHEET**
CHECKED	EGZ		
APPROVED	WTM		
CREW	MESHEK		EC 1593 JP NO. 31313 (04) SHEET NO.

SDS 32 OF 51

8-87

50% plans

OKLAHOMA DEPARTMENT OF TRANSPORTATION

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

REVISIONS

DESCRIPTION	DATE

NW/4
SECTION 5
TOWNSHIP–19–NORTH
RANGE–12–EAST

SW/4
SECTION 5
TOWNSHIP–19–NORTH
RANGE–12–EAST

NE/4
SECTION 5
TOWNSHIP–19–NORTH
RANGE–12–EAST

SE/4
SECTION 5
TOWNSHIP–19–NORTH
RANGE–12–EAST

SCALE
1" = 50'

PLS	PDH	
DRAWN	MMM	
CHECKED	EGZ	
APPROVED	WTM	
CREW	MESHEK	

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

EC 1593 JP NO. 31313 (04) SHEET NO.

SDS 33 OF 51

8-87

50% plans

OKLAHOMA DEPARTMENT OF TRANSPORTATION

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

REVISIONS	
DESCRIPTION	DATE

SW/4
SECTION 32
TOWNSHIP-20-NORTH
RANGE-12-EAST

SE/4
SECTION 32
TOWNSHIP-20-NORTH
RANGE-12-EAST

NE/4
SECTION 5
TOWNSHIP-19-NORTH
RANGE-12-EAST

SE/4
SECTION 5
TOWNSHIP-19-NORTH
RANGE-12-EAST

ALL R.P.'S #4 REBAR

ALL R.P.'S PK NAILS

ALL R.P.'S PK NAILS

ALL R.P.'S CHISELED "X"

PK NAIL FD. FD. PK NAIL 0.13' SOUTH 0.04' EAST OF PLAN

Mid Sta. 356+71.81

N90°00'00"W 25.00'

N89°00'21"W 24.99'

N90°00'00"W 25.00'

N45°59'48"E 1337.08'

N26°28'49"W 14.80'

S69°04'48"E 18.44'

S11°43'19"W 15.41'

L=2550.36', R=3437.75'

A005 Keystone Expy. CRL

N89°30'10"E 1337.08'

S89° 39' 10.36"W 2647.452'

E.O.P. Sta. 28+97.98

28+00

S38°22'13"W 58.69'

Right of Way

SIGN BASE

S23°51'33"E 67.16'

S76°14'51"E 87.93'

600 Nail Set P.S. Face PP

N8°49'32"E 50.11'

Nail Fd. 600 NW Face PP

S60°08'11"W 93.47'

9064 Pk Nail Fd.

S50°49'39"E 61.53'

NW Face Brick Pillar

360+00

365+00

P.T. Sta. 369+46.99

370+00

N2°45'43"W 14.46'

S41°47'45"W 18.20'

S52°10'57"E 20.51'

N89°30'10"E 534.00'

P.C. Sta. 374+03.00

375+00

25+00

P.I. Sta. 378+91.00

N11°17'24.52"W 2175.624'

S18°22'24"W 69.62'

N11°10'59.62"W 2647.376'

380+00

N88°30'10"E 1884.52'

385+00

A005 Keystone Expy. CRL

388+00

P.O.B. Sta. 15+00.00

15+00

N89° 00' 03.08"E 2642.910'

©Aum. Cap Mon. ADS 137

* CP-206

* CP-207

* CP-208

* CP-209

* CP-210

SCALE
1" = 50'

PLS	PDH	
DRAWN	MMM	
CHECKED	EGZ	
APPROVED	WTM	
CREW	MESHEK	

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

EC 1593 JP NO. 31313 (04) SHEET NO.

SDS 34 OF 51

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

REVISIONS	
DESCRIPTION	DATE

SE/4
SECTION 32
TOWNSHIP-20-NORTH
RANGE-12-EAST

N88° 38' 09.58"E
2651.205'

N0° 02' 30.82"W
1496.134'

N88° 28' 21.36"E
2655.717'

Chiseled "X" Fd. X
Calc. (9043)
N4°03'31"W 35.08'
S34°34'56"W 35.72'
5/8" Rebar Fd.
S30°50'39"W 46.96'
Chiseled "X" Fd. Headwall
60D Nail Set N Face PP

R.R. Spike NE Face PP
N18°26'25"W 51.20'
POW Nut at Mailbox Pad
N39°36'16"E 89.94'
(9065) Pk Nail Fd.
S13°58'40"E 50.38'
N. Face 4" Steel Pipe

50% plans

390+00
395+00
397+76 E.O.P. Sta. 397+75.52

A005 Keystone Expy. CRL
(SE)
N88°30'10"E 1884.52'
(NE)
N2°12'03"W 15.14'
S3°22'37"W 18.14'
S3°12'40"E 17.40'
ALL R.O.'S PK NAILS

NW/4
SECTION 4
TOWNSHIP-19-NORTH
RANGE-12-EAST

NE/4
SECTION 4
TOWNSHIP-19-NORTH
RANGE-12-EAST

N

SCALE
1" = 50'

SDS 35 OF 51

PLS	PDH	
DRAWN	MMM	
CHECKED	EGZ	
APPROVED	WTM	
CREW	MESHEK	

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

EC 1593 JP NO. 31313 (04) SHEET NO.

50% plans

OKLAHOMA DEPARTMENT OF TRANSPORTATION

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

REVISIONS

DESCRIPTION	DATE

SW/4
SECTION 17
TOWNSHIP-19-NORTH
RANGE-12-EAST

SE/4
SECTION 17
TOWNSHIP-19-NORTH
RANGE-12-EAST

NW/4
SECTION 20
TOWNSHIP-19-NORTH
RANGE-12-EAST

NE/4
SECTION 20
TOWNSHIP-19-NORTH
RANGE-12-EAST

S1° 00' 58.72"E
2643.432'

S1° 01' 10.45"E
2639.872'

N89° 15' 49.21"E
2649.043'

N89° 16' 46.00"E
2649.073'

N89°26'41"E 2250.02'

B.O.P. Sta. 10+00.00

P.I. Sta. 18+00.00

P.O.T. Sta. 28+50.02

E.O.P. Sta. 32+50.02

P.O.T. Sta. 15+50.231
Pk Nail on C.R.L. Service Expy.

10+00

15+00

20+00

25+00

30+00

32+50

225+00

220+00

215+00

A008 W. 31st St. CRL

A001 Glenpool Expy. CRL

ALL R.P.'S #4 REBAR

Pk Nail Set

Pk Nail Fd.

Pk Nail Fd. in PP

Top Nut Fire Hydr.

FD. 3/8" I.P. 0.07' SOUTH 0.10' EAST OF PLAN 3/8" Rebar Fd.

Calc. Nail Set

600 NAIL SET
Pk Nail on C.R.L. W. 31st St.

600 Nail Set in PP
Pk Nail Fd.
600 NAIL

*600 NAIL SET

Pk Nail Set C.R.L.

*BM-8

*BM-9

*BM-10

N90°00'00"W 100.00'

N90°00'00"W 100.00'

N90°00'00"W 100.00'

N90°00'00"W 25.00'

N90°00'00"W 25.00'

N53°43'10"W 39.56'

S81°57'36"E 54.00'

S60°29'33"E 49.29'

S29°22'59"W 55.22'

N45°00'00"E 50.00'

N45°00'00"W 50.00'

N45°00'00"W 50.00'

N45°00'00"E 25.00'

N45°00'00"E 25.00'

N45°00'00"E 25.00'

S45°33'09"E 25.00'

S45°33'09"E 25.00'

S45°33'09"E 25.00'

S0°33'09"E 25.00'

S0°33'09"E 25.00'

S0°33'09"E 25.00'

SCALE
1" = 50'

PLS	PDH	
DRAWN	MMM	
CHECKED	EGZ	
APPROVED	WTM	
CREW	MESHEK	

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

EC 1593 JP NO. 31313 (04) SHEET NO.

SDS 36 OF 51

OKLAHOMA DEPARTMENT OF TRANSPORTATION

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

REVISIONS

DESCRIPTION	DATE

50% plans

SW/4
SECTION 20
TOWNSHIP-19-NORTH
RANGE-12-EAST

SE/4
SECTION 20
TOWNSHIP-19-NORTH
RANGE-12-EAST

NW/4
SECTION 29
TOWNSHIP-19-NORTH
RANGE-12-EAST

NE/4
SECTION 29
TOWNSHIP-19-NORTH
RANGE-12-EAST

*BM-15

S1° 01' 10.45"E
2639.414'

ALL R.P.'S
#4 REBAR

N90°00'00"W 100.00' | N90°00'00"W 100.00' | N90°00'00"W 200.00'

80+00

A001 Decrease Expy. CRL

(425)

* PK NAIL SET

* PK NAIL SET

*BM-16

175+00

B.O.P. Sta. 8+87.07

P.I. Sta. 12+87.07

P.I. Sta. 17+00.02

P.I. Sta. 21+06.96

E.O.P. Sta. 25+47.13

8+87

10+00

15+00

20+00

25+00

25+47

ALL R.P.'S
#4 REBAR

S45°53'07"E 25.00'

S45°53'07"E 25.00'

S45°53'07"E 70.10'

*Pk Nail Fd.
ADS 108

N89° 06' 52.80"E
2649.040'

N89°06'52"E 400.00'

(354)

A009 W. 41st St. CRL

N89°22'10"E 412.93'

(355)

3/8" Rebar Fd.
FD. 3/8" I.P
0.00' SOUTH
0.26' EAST
OF PLAN

Pk Nail Fd. in PP
N42°36'49"W
61.00'

XTop Nut of
Fire Hydr.
N25°02'03"E
62.35'

S45°00'00"W 50.00'

S45°00'00"W 25.00'

S45°00'00"W 25.00'

(329)

S05°00'00"E
27.98'

Chiseled "X" Fd.

* 60D Nail Set

9015
Calc

P.O.T. Sta. 170+00.78
Pk Nail on C.R.L. W. 41st St.

* 60D Nail Set

S45°00'00"W 50.00'

S45°00'00"W 50.00'

S45°00'00"W 50.00'

*BM-17

N89°53'15"E

P.O.T. Sta. 214+06.96
Pk Nail on C.R.L. Decrease Expy.

Pk Nail Set C.R.L.
A009
406.34'

N89°19'51"E 440.12'

A009 W. 41st St. CRL

(356)

N00°00'00"E 25.00'

N00°00'00"E 25.00'

N00°00'00"E 25.00'

N00°00'00"E 25.00'

(357)

S00°00'00"E 25.00'

S00°00'00"E 25.00'

S00°00'00"E 25.00'

N89° 07' 02.01"E
2649.331'

*Pk Nail Fd.
ADS 109

N0° 46' 53.11"W
2644.565'

Pk Nail Set
1/2" Rebar Set W/ Cap N90°00'00"W 50.00' | N90°00'00"W 100.00' 1/2" Rebar Set W/ Cap | N90°00'00"W 165.10'

(421)

*1/2" REBAR SET W/ CAP 1/2"

SCALE
1" = 50'

PLS	PDH		OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION
DRAWN	MMM		**SURVEY DATA SHEET**
CHECKED	EGZ		
APPROVED	WTM		
CREW	MESHEK		EC 1593 JP NO. 31313 (04) SHEET NO.

SDS 37 OF 51

8-87

50% plans

OKLAHOMA DEPARTMENT OF TRANSPORTATION

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

REVISIONS	
DESCRIPTION	DATE

SW/4
SECTION 29
TOWNSHIP–19–NORTH
RANGE–12–EAST

SE/4
SECTION 29
TOWNSHIP–19–NORTH
RANGE–12–EAST

NW/4
SECTION 32
TOWNSHIP–19–NORTH
RANGE–12–EAST

NE/4
SECTION 32
TOWNSHIP–19–NORTH
RANGE–12–EAST

N0° 48' 03.11"W
2642.172

N0° 50' 48.00"W
2646.799

N89° 07' 30.21"E
2658.474'

N89°20'50"E 1000.00'

N89°11'28"E 484.27'

N89° 15' 06.99"E
2652.862

S88°57'14"W 2334.06

B.O.P. Sta. 50+00.00

P.I. Sta. 60+00.00

P.I. Sta. 64+84.27

P.I. Sta. 78+19.49

Mid Sta. 118+65.19

P.O.T. Sta. 71+65.00
Pk Nail on C.L. Glenpool Expy.

P.O.T. Sta. 113+22.62
Pk Nail on C.L. S.H. 51

Glenpool Expy. CRL

L=3041.93'
R=2291.83'

*BM-23

*BM-24

*BM-25

Pk Nail Set Mid

Pk Nail Set
P.I. 54+84.27

*600 Nail Set

600 Nail Set

*1/2" Rebar Set W/Cap

600 Nail Fd. in PP

Top Nut of Fire Hydr.

R.R. Spike

FD. ALUM. CAP
1.96' SOUTH
0.58' WEST
OF PLAN
Alum. Cap Mon.

Calc. Not Set
P.I. 123+78.33

ALL R.P.'S
#4 REBAR

50°00'00"E 25.00'
50°00'00"E 25.00'
50°00'00"E 25.00'
50°00'00"E 25.00'
50°00'00"E 50.00'

N90°00'00"E 50.00'
N90°00'00"E 50.00'
N90°00'00"E 50.00'

S45°00'00"W 50.00'
S45°00'00"W 50.00'
S45°00'00"W 50.00'

N17°57'52"E 48.29'
N47°15'30"W 34.87'
N34°58'05"E 34.44'

N17°23'30"E 100.00'
S17°23'30"E 100.00'

N0°00'00"E 25.00'
N0°00'00"E 25.00'
N0°00'00"E 25.00'

50+00
55+00
60+00
65+00
70+00
75+00
79+00
110+00
115+00
120+00
125+00

Add Glenpool Expy.

Add 51st St. W.

SCALE
1" = 50'

SDS 38 OF 51

PLS	PDH	
DRAWN	MMM	
CHECKED	EGZ	
APPROVED	WTM	
CREW	MESHEK	

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

EC 1593 JP NO. 31313 (04) SHEET NO.

8-87

50% plans

OKLAHOMA DEPARTMENT OF TRANSPORTATION

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

REVISIONS	
DESCRIPTION	DATE

SE/4
SECTION 29
TOWNSHIP–19–NORTH
RANGE–12–EAST

SW/4
SECTION 28
TOWNSHIP–19–NORTH
RANGE–12–EAST

NE/4
SECTION 32
TOWNSHIP–19–NORTH
RANGE–12–EAST

NW/4
SECTION 33
TOWNSHIP–19–NORTH
RANGE–12–EAST

N01° 49' 17.88"W
2645.382'

E.O.P. Sta. 517+00.00

517+00
515+00
510+00
505+00
80+00
85+00
90+00
95+00
100+00

A011 S. 49th W. Ave.

P.I. Sta. 515+91.90

E.O.P. Sta. 93+91.98

P.C. Sta. 100+44.27

P.O.B. Sta. 90+00.00

N89°04'43"E 25.00'
N89°04'43"E 25.00'
N89°04'43"E 25.00'
ALL R.P.'S #4 REBAR

1-1/4" Rebar Fd.
FD. 1-1/4" I.P.
0.17' SOUTH
0.0' EAST
OF PLAN

N44°28'09"E 41.18'
60D Nail Fd. in PP
N89°55'25"E 572.49'
A010 W. 51st St.
60D Nail Set in PP
N89°55'25"E 39.98'
N89°05'00"E 40.42'
60D Nail Fd. in 18" Cedor
9004 CSRC

N89°05'09"E 1000.00'
A010 W. 51st St.

N45°00'00"W 50.00'
N45°00'00"W 50.00'
N45°00'00"W 50.00'
ALL R.P.'S #4 REBAR

N89° 05' 08.64"E
2640.519'
9005 CSRC Nail Set

N01° 00' 57.46"W
2645.495'

N72°09'50"E 100.00'
ALL R.P.'S #4 REBAR

N88°51'14"E 1320.00'

N11°11'14"W 100.00'
S11°00'46"W 100.00'
S11°00'46"W 100.00'
ALL R.P.'S #4 REBAR

S88°51'14"W 1044.27'

N0°00'00"E 25.00'
N0°00'00"E 25.00'
N0°00'00"E 100.00'
ALL R.P.'S #4 REBAR

A001 Gilcrease Expy. CRL

N45°00'00"E 70.00'
N45°00'00"E 70.00'
N45°00'00"E 70.00'
ALL R.P.'S #4 REBAR

SCALE
1" = 50'

SDS 39 OF 51

PLS	PDH	
DRAWN	MMM	
CHECKED	EGZ	
APPROVED	WTM	
CREW	MESHEK	

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

EC 1593 JP NO. 31313 (04) SHEET NO.

8-87

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

REVISIONS	
DESCRIPTION	DATE

NE/4
SECTION 32
TOWNSHIP-19-NORTH
RANGE-12-EAST

SE/4
SECTION 29
TOWNSHIP-19-NORTH
RANGE-12-EAST

NW/4
SECTION 33
TOWNSHIP-19-NORTH
RANGE-12-EAST

SW/4
SECTION 28
TOWNSHIP-19-NORTH
RANGE-12-EAST

50% plans

B.O.P. Sta. 500+00.00
P.O.T. Sta. 502+00.00
P.O.T. Sta. 512+00.00
E.O.P. Sta. 517+00.00
P.I. Sta. 78+19.49
P.I. Sta. 83+91.98
PC Sta. 100+44.27
P.O.B. Sta. 90+00.00
E.O.P. Sta. 93+91.98
93+92

500+00 505+00 510+00 515+00 517+00
80+00 85+00 90+00 95+00 100+00

N0° 55' 17.46"W
2642.991'

N0° 49' 17.88"W
2645.382'

N89°56'43"W 1144.27'

N0°56'43"E 1144.27'

N89°56'43"W 1144.27'

N0°56'43"E 1144.27'

N0°56'43"E 1144.27'

N89°56'43"W

50% plans

OKLAHOMA DEPARTMENT OF TRANSPORTATION

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

REVISIONS	
DESCRIPTION	DATE

B.O.P. Sta. 600+00.00

E.O.P. Sta. 605+00.00

B.O.P. Sta. 650+00.00

E.O.P. Sta. 654+00.00

P.C. Sta. 274+27.89

A012 S. 57th W. Ave CRL

A001 Gilcrease Expy. CRL

A002 W. 21st St. CRL

P.C. Sta. 15+18.27

P.T. Sta. 17+91.29

Mid Sta. 16+54.78

P.O.T. Sta. 23+94.85

P.O.T. Sta. 276+11.40

S1° 00' 58.72"E
2643.227'

S1° 01' 32.04"E
2651.090'

N13°09'00"W 1529.43'

N13°09'00"W 1598.15'

N13°09'00"W 665.40

ALL R.P.'S #4 REBAR

Pk Nail Set

1/2" Rebar Set W/ Cap

Pk Nail Set C.R.L.

Pk Nail Fd.

PLAN 1/4

BM-2

BM-4

600+00

605+00

650+00

20+00

25+00

30+00

210+00

255+00

260+00

265+00

280+00

285+00

SCALE
1" = 50'

PLS	PDH	
DRAWN	MMM	
CHECKED	EGZ	
APPROVED	WTM	
CREW	MESHEK	

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

EC 1593 JP NO. 31313 (04) SHEET NO.

SDS 41 OF 51

50% plans

OKLAHOMA DEPARTMENT OF TRANSPORTATION

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

REVISIONS	
DESCRIPTION	DATE

N89° 27' 23.13"E
2650.527'

A002 W. 21st St. CRL

S66°39'15"E 518.27'

N23°20'45"E 25.00'
N23°20'45"E 25.00'
N23°20'45"E 25.00'
150.00'

ALL R.P.'S #4 REBAR

OCCUPIED R/W

P.C. Sta. 15+18.27

15+00

N23°20'45"E 50.00'
N23°20'45"E 50.00'
N23°20'45"E 50.00'

Mid Sta. 16+54.78

Pt. Sta. 17+91.29
Pk Nail on C.R.L. W. 21st St.
1731.10' East to 1/4 Section Corner
585.58' East to 1/4 Section Corner

P.T. Sta. 17+91.29

N23°20'45"E 50.00'
N23°20'45"E 50.00'
N23°20'45"E 50.00'

Pk Nail Set Mid

20+00

A002 W. 21st St. CRL

N40°00'00"E 100.00'
N40°00'00"E 100.00'
N40°00'00"E 100.00'

N40°18'38"W 43.62'
Chiseled "X" Fd. Top of Curb
S82°45'22"W 8.51'
Pk Nail Fd.
S51°00'09"W 68.20'
Pk Nail Fd. Scrs.
Chiseled "X" Fd.

Pk Nail Fd.
PLAN 1/4
Pk Nail Set C.R.L.
S16°50'16"W 14.34'
Chiseled "X" Fd.

P.O.T. Sta. 276+11.40
Pk Nail on C.R.L. W. 21st St.
14.94' West to 1/4 Section Corner
2635.46 East to 1/4 Section Corner

P.O.T. Sta. 251+94.85
Pk Nail on C.R.L. Jacksboro Expy.
14.94' West to 1/4 Section Corner
2635.46 East to 1/4 Section Corner

25+00

30+00

N89°27'23"E 2613.90'
A002 W. 21st St. CRL

35+00

N89° 27' 23.13"E
2650.527'

S52°37'37"E 50.00'
S52°37'37"E 50.00'
S52°37'37"E 50.00'

ALL R.P.'S #4 REBAR

Jacksboro Expy. (US-281)

N16°00'00"W 1459.42'

275+00

P.C. Sta. 274+27.89

S40°00'00"W 50.00'
S40°00'00"W 50.00'
S40°00'00"W 50.00'

B.O.P. Sta. 650+00.00

E.O.P. Sta. 654+00.00

650+00

E.O.P. Sta. 605+00.00

N45°33'58"W 25.00'
N45°33'58"W 25.00'
N45°33'58"W 25.00'

N89°27'23"E 400.00'
A013 W. 22nd St. CRL

S43°59'01"E 25.00'
S43°59'01"E 25.00'
S43°59'01"E 25.00'

N44°26'02"E 25.00'

S44°26'02"W 50.00'
S44°26'02"W 25.00'

605+00

270+00

N16°00'00"W 600.00'

A013 S. 57th W. Ave CRL

N43°59'01"E 25.00'
N43°59'01"E 25.00'
S43°59'01"W 25.00'

B.O.P. Sta. 600+00.00

600+00

265+00

S78°31'06"W 100.00'
S78°31'06"W 100.00'
S78°31'06"W 50.00'
1/2" Rebar Set W/ Cap
1/2" Rebar Set W/ Cap

Pk Nail Set

S11° 00' 58.72"E
2643.22'

*BM-4

Jacksboro Expy. (US-281)

N40°00'00"E 50.00'
N40°00'00"E 50.00'
N40°00'00"E 50.00'

260+00

N16°00'00"W 500.00'

PT Sta. 258+99.72

SCALE
1" = 50'

PLS	PDH	
DRAWN	MMM	
CHECKED	EGZ	
APPROVED	WTM	
CREW	MESHEK	

OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

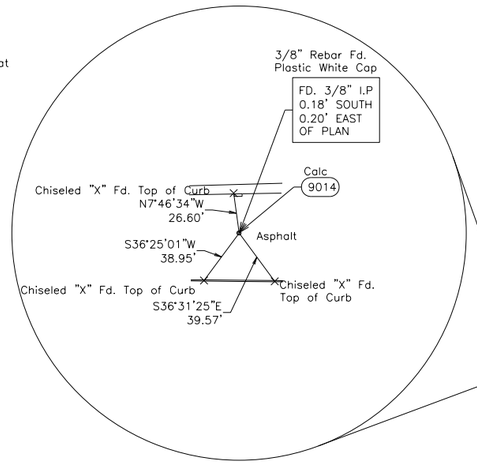
SURVEY DATA SHEET

EC 1593 JP NO. 31313 (04) SHEET NO.

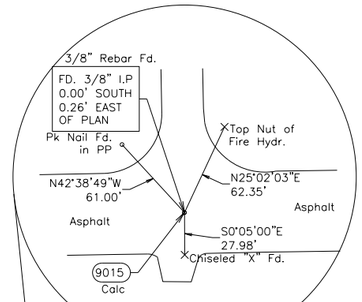
SDS 42 OF 51

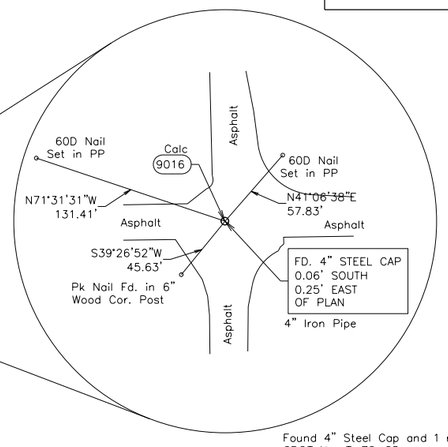
OKLAHOMA DEPARTMENT OF TRANSPORTATION					
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	OKLA.				
REVISIONS					
DESCRIPTION			DATE		

Found 3/8" Iron Pin and cap with 3 references from LS 1052 OCCR 9/14/00 that matched previously found 3/8" Iron Pin. Used ODOT No. T-72-23.
LS 1304 set Mag. Nail. OCCR 8/11/00.
LS 1176 set 3/4" Rebar. OCCR 9/18/84.
ODOT Brass Cap set by Truett McCarty.
SD-11 January 1967. Station Number T-72-23.



Found 3/8" Iron Pin with 3 references from LS 1134 OCCR 8/18/05 that matched previously found 3/8" Iron Pin. Used ODOT No. T-72-24.
LS 1052 found 3/8" Iron Pin. OCCR 3/22/02, 9/14/00 & 12/20/93.
ODOT Brass Cap set by Truett McCarty.
SD-11 January 1967. Station Number T-72-24.





Found 4" Steel Cap and 1 reference. Used ODOT No. T-72-25.
LS 1432 found 4" Steel Cap. OCCR 8/11/06.
LS 1134 found 4" Steel Cap. OCCR 8/18/05.
LS 1052 found 4" Steel Cap. OCCR 9/14/00 & 12/16/93.
4" Steel Cap set by Truett McCarty. SD-11 January 1967. Station Number T-72-25.

N89° 06' 52.80"E
2649.040'

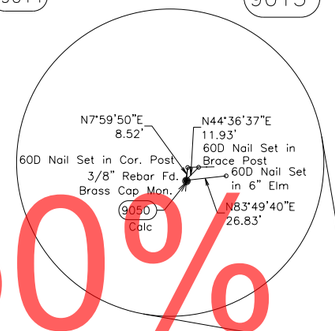
N89° 07' 02.01"E
2649.331'

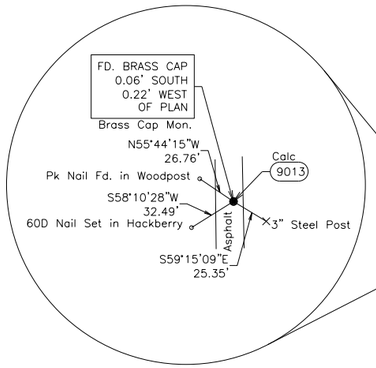
N0° 42' 02.84"W
2641.729'

N0° 48' 03.11"W
2644.865'

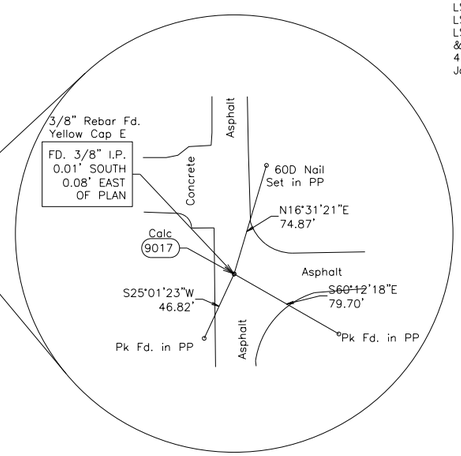
N0° 51' 23.63"W
2647.889'

9014 9015 9016





Found ODOT Brass Cap with 3 references from LS 1052 OCCR 9/24/00 that matched previously found ODOT Brass Cap. Used ODOT No. T-72-20.
ODOT Brass Cap set by Truett McCarty.
SD-11 January 1967. Station Number T-72-20.



N89° 10' 57.41"E
2653.652'

N89° 10' 57.41"E
2651.902'

9013 9050 9017

Found 3/8" Iron Pin. Used ODOT No. T-72-21.
LS 1052 found 3/8" Iron Pin. OCCR 12/20/93.
ODOT Brass Cap set by Truett McCarty.
SD-11 January 1967. Station Number T-72-21.

N0° 48' 03.11"W
2642.172'

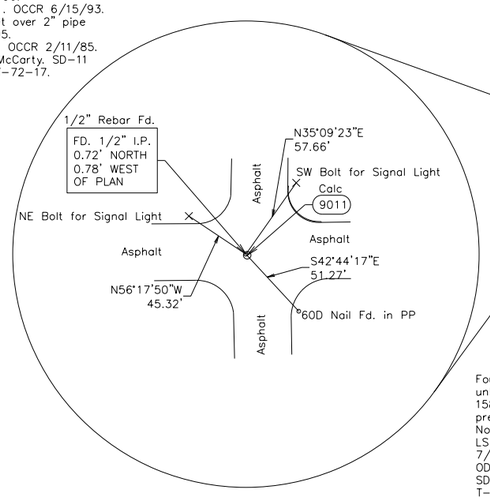
N0° 41' 47.20"W
2644.848'

N0° 49' 17.88"W
2645.382'

9004

Found 3/8" Iron Pin with 2 references from LS 1432 OCCR 8/11/06 that matched previously found #3 Rebar. Used ODOT No. T-72-22.
LS 1056 found 3/8" Iron Pin. OCCR 5/13/91.
ODOT Brass Cap set by Truett McCarty.
SD-11 January 1967. Station Number T-72-22.

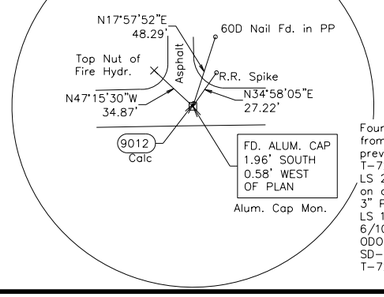
Found 1/2" Iron Pin and 3 references set by LS 1024 from OCCR 08/18/11. Used ODOT No. T-72-17.
LS 1139 found 1.25" Iron Pin set over 2" pipe with 1" axle inside. OCCR 9/25/96.
LS 1103 found ODOT Brass Cap . OCCR 6/15/93.
LS 1146 found 1.25" Iron Pin set over 2" pipe with 1" axle inside. OCCR 2/1/95.
LS 1052 found ODOT Brass Cap. OCCR 2/11/85.
ODOT Brass Cap set by Truett McCarty. SD-11 January 1967. Station Number T-72-17.



N89° 07' 30.21"E
2658.474'

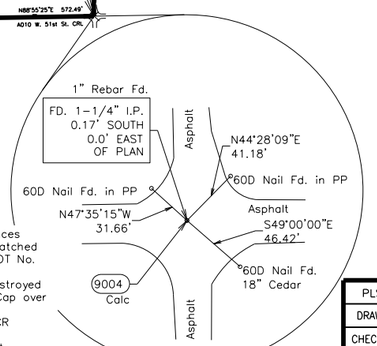
N89° 13' 06.99"E
2652.862'

9011 9012 9004



Found Aluminum Cap Monument set by unknown person and 3 references from LS 1586 OCCR 11/20/07 that matched previously found Concrete Nail. Used ODOT No. T-72-18.
LS 1103 found Concrete Nail . OCCR 7/23/93.
ODOT Brass Cap set by Truett McCarty.
SD-11 January 1967. Station Number T-72-18.

Found 1-1/4" Iron Pin with 2 references from LS 1432 OCCR 8/11/06 that matched previously found #10 Rebar. Used ODOT No. T-72-19.
LS 286 found 3" ODOT Brass Cap destroyed on a 3" Pipe and reset a 3" Brass Cap over 3" Pipe. OCCR 6/16/94.
LS 1103 found 1-1/4" Iron Pin . OCCR 6/10/93.
ODOT Brass Cap set by Truett McCarty.
SD-11 January 1967. Station Number T-72-19.





SCALE
1" = 500'

NOTE: REFERENCE'S SHOWN ARE NOT TO SCALE.

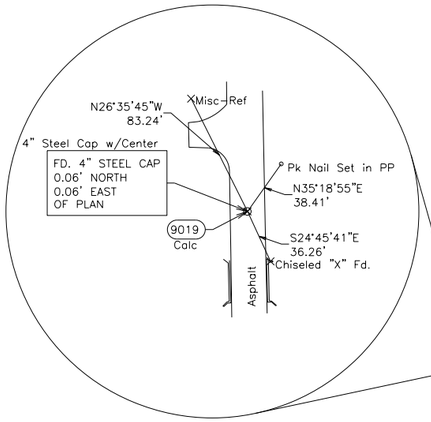
50% plans

PLS	PDH		OKLAHOMA DEPARTMENT OF TRANSPORTATION
DRAWN	MMM		SURVEY DIVISION
CHECKED	EGZ		**SURVEY DATA SHEET**
APPROVED	WTM		
CREW	MESHEK		EC 1593 JP NO. 31313 (04) SHEET NO.

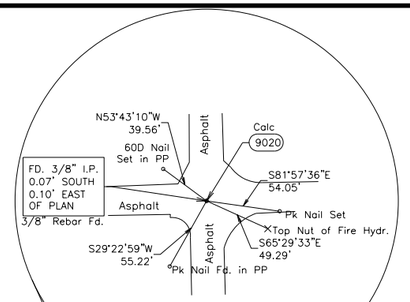
SDS 43 OF 51

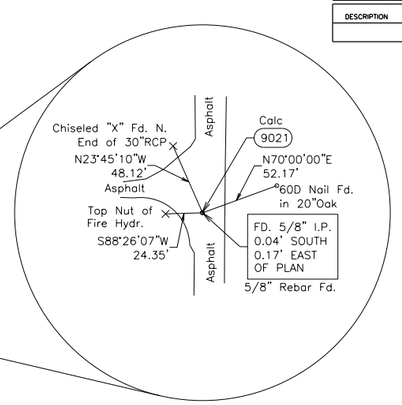
OKLAHOMA DEPARTMENT OF TRANSPORTATION					
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	OKLA.				
REVISIONS					
DESCRIPTION				DATE	

Found 4" Steel Cap and 2 references. Used ODOT No. T-72-29.
LS 1586 found a 4" Steel Disc and 2 references. OCCR 5/21/15.
LS 1052 found 4" Steel Cap with Cross. OCCR 9/14/00 & 11/3/95.
LS 1024 found ODOT Brass Cap. OCCR 5/12/92.
LS 1024 set 1/2" I.P. OCCR 3/6/85.
ODOT Brass Cap set by Truett McCarty. SD-11 January 1967. Station Number T-72-29.



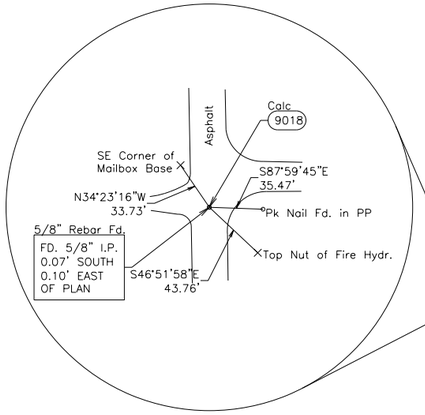
Found 3/8" Iron Pin and 3 references. Used ODOT No. T-72-30.
LS 1052 found PK nail and replaced with a 3/8" Iron Pin with Cap. OCCR 9/14/00.
LS 1056 found ODOT Brass Cap. OCCR 8/15/96.
ODOT Brass Cap set by Truett McCarty. SD-11 January 1967. Station Number T-72-30.

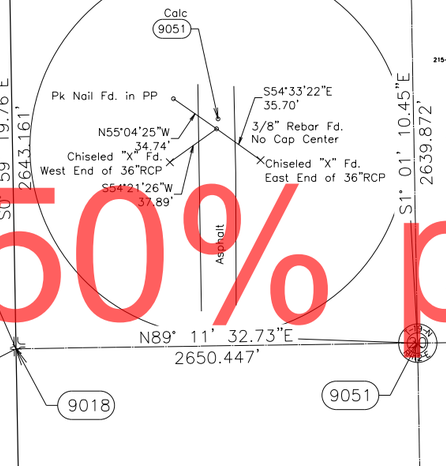




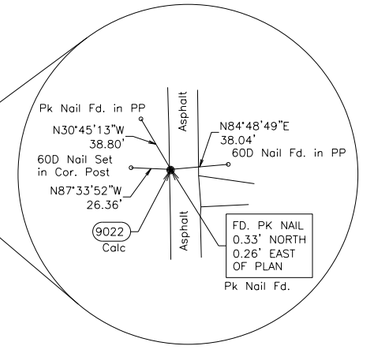
Found 5/8" Iron Pin and 3 references. Used ODOT No. T-72-31.
LS 1586 found a #5 Rebar and 3 references. OCCR 5/21/15.
LS 1052 found 5/8" Iron Pin with Cap. OCCR 9/14/00.
LS 84 set 5/8" Rebar. OCCR 2/12/85.
LS 93 found PK Nail. OCCR 10/6/82.
ODOT Brass Cap set by Truett McCarty. SD-11 January 1967. Station Number T-72-31.

Found 5/8" Iron Pin and 3 references. Used ODOT No. T-72-26.
LS 1586 found a #4 Rebar and 2 references. OCCR 5/14/15.
LS 1052 found 1/2" Iron Pin. OCCR 9/14/00.
LS 1304 found 5/8" I.P. OCCR 8/11/00.
LS 1176 found an ODOT Brass Cap. OCCR 12/4/86.
ODOT Brass Cap set by Truett McCarty. SD-11 January 1967. Station Number T-72-26.



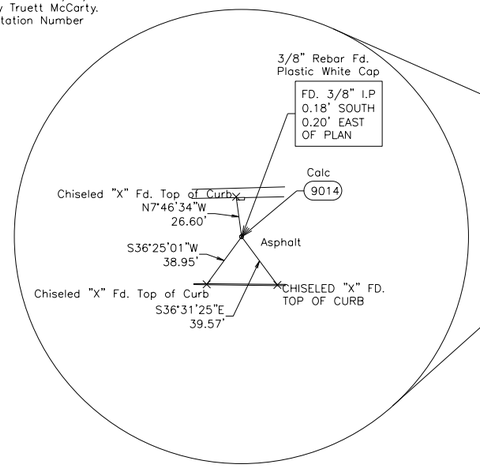


Found 3/8" Iron Pin and 3 references. Used ODOT No. T-72-27.
LS 1052 set 3/8" Iron Pin with Plastic Cap "White CA#1098". OCCR 9/14/00.
ODOT Brass Cap set by Truett McCarty. SD-11 January 1967. Station Number T-72-27.

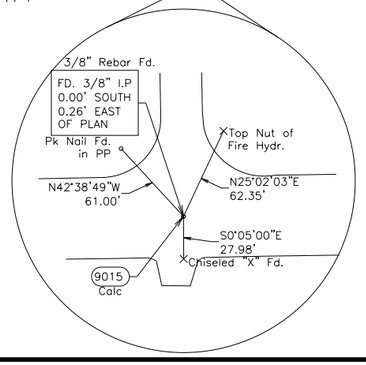


Found PK Nail and 3 references. Used ODOT No. T-72-28.
LS 1586 found a #3 Rebar and 3 references. OCCR 5/14/15.
LS 1134 found ODOT Brass Cap. OCCR 8/16/05.
LS 1052 found ODOT Brass Cap. OCCR 9/14/00.
LS 93 found ODOT Brass Cap. OCCR 10/06/82.
ODOT Brass Cap set by Truett McCarty. SD-11 January 1967. Station Number T-72-28.

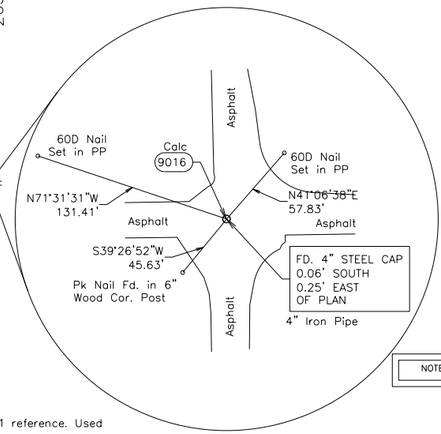
Found 3/8" Iron Pin and cap with 3 references from LS 1052 OCCR 9/14/00 that matched previously found 3/8" Iron Pin. Used ODOT No. T-72-23.
LS 1304 set Mag. Nail. OCCR 8/11/00.
LS 1176 set 3/4" Rebar. OCCR 9/18/84.
ODOT Brass Cap set by Truett McCarty. SD-11 January 1967. Station Number T-72-23.



Found 3/8" Iron Pin with 3 references from LS 1134 OCCR 8/18/05 that matched previously found 3/8" Iron Pin. Used ODOT No. T-72-24.
LS 1052 found 3/8" Iron Pin. OCCR 3/22/02, 9/14/00 & 12/20/93.
ODOT Brass Cap set by Truett McCarty. SD-11 January 1967. Station Number T-72-24.



Found 4" Steel Cap and 1 reference. Used ODOT No. T-72-25.
LS 1432 found 4" Steel Cap. OCCR 8/11/06.
LS 1134 found 4" Steel Cap. OCCR 8/18/05.
LS 1052 found 4" Steel Cap. OCCR 9/14/00 & 12/16/93.
4" Steel Cap set by Truett McCarty. SD-11 January 1967. Station Number T-72-25.





NOTE: REFERENCE'S SHOWN ARE NOT TO SCALE.

50% plans

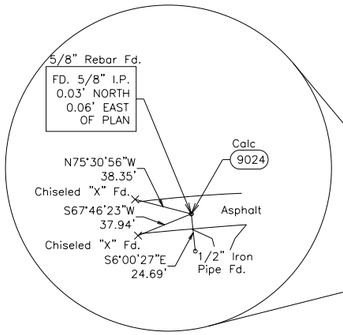
PLS	PDH		OKLAHOMA DEPARTMENT OF TRANSPORTATION
DRAWN	MMM		SURVEY DIVISION
CHECKED	EGZ		**SURVEY DATA SHEET**
APPROVED	WTM		
CREW	MESHEK		EC 1593 JP NO 31313 (04) SHEET NO.

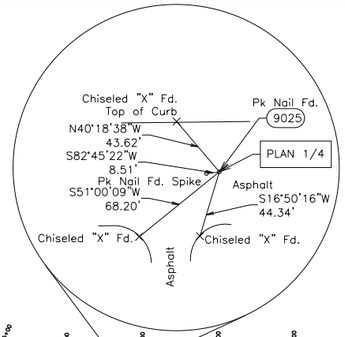
SDS 44 OF 51

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

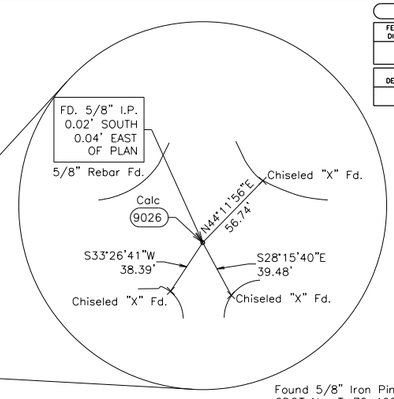
REVISIONS	
DESCRIPTION	DATE

Found 5/8" Iron Pin and 3 references. Used ODOT No. T-72-12.
LS 1586 found a #5 Rebar and 2 references. OCCR 5/21/15.
LS 1806 found 5/8" Iron. OCCR 4/20/15.
LS 1052 found 5/8" Iron Pin. OCCR 11/6/95.
LS 1057 found 1-1/2" Iron Pin. OCCR 1/19/83.
ODOT Brass Cap set by Truett McCarty. SD-11 September 1966. Station Number T-72-12.



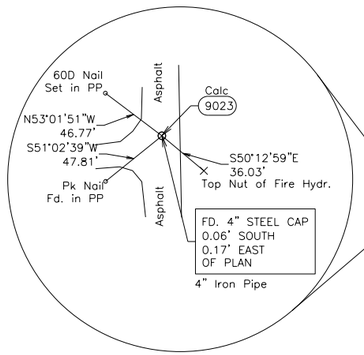


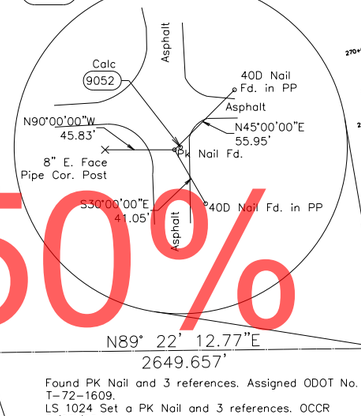
PK Nail set from drawings provided by the City of Tulsa from the proposed City of Tulsa Project 966120 Functional Plans 2004 which used a single proportionate calculated position for this monument. Assigned ODOT T-72-1607.



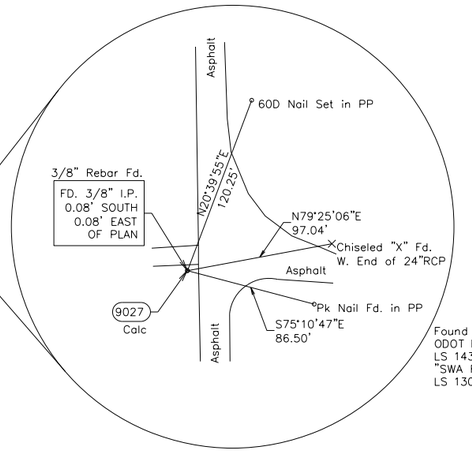
Found 5/8" Iron Pin and 3 references. Assigned ODOT No. T-72-1606.
LS 1432 found a #5 Rebar and 2 references. OCCR 2/10/05.
LS 1317 found #5 Iron Rod. OCCR 12/1/97.
LS 93 found 3/4" Iron Pin. OCCR 10/6/80.

Found 4" Steel Cap and 2 references. Assigned ODOT No. T-72-1608.
LS 1304 found a 4-1/2" Steel Disc. OCCR 8/11/00.



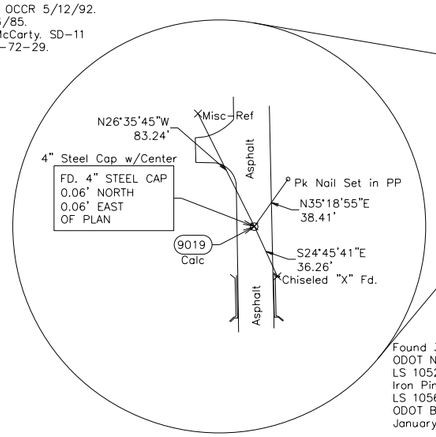


Found PK Nail and 3 references. Assigned ODOT No. T-72-1609.
LS 1024 Set a PK Nail and 3 references. OCCR 2/28/05.

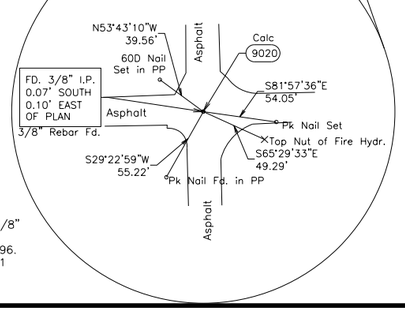


Found 3/8" Iron Pin and 2 references. Assigned ODOT No. T-72-1605.
LS 1432 found a #3 Rebar with plastic cap stamped "SWA RLS 1139" and 2 references. OCCR 2/10/05.
LS 1304 found 60d Nail. OCCR 8/16/05.

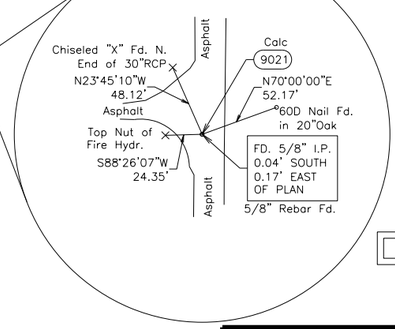
Found 4" Steel Cap and 2 references. Used ODOT No. T-72-29.
LS 1586 found a 4" Steel Disc and 2 references. OCCR 5/21/15.
LS 1052 found 4" Steel Cap with Cross. OCCR 9/14/00 & 11/3/95.
LS 1024 found ODOT Brass Cap. OCCR 5/12/92.
LS 1024 set 1/2" I.P. OCCR 3/6/85.
ODOT Brass Cap set by Truett McCarty. SD-11 January 1967. Station Number T-72-29.



Found 3/8" Iron Pin and 3 references. Used ODOT No. T-72-30.
LS 1052 found PK nail and replaced with a 3/8" Iron Pin with Cap. OCCR 9/14/00.
LS 1056 found ODOT Brass Cap. OCCR 8/15/96.
ODOT Brass Cap set by Truett McCarty. SD-11 January 1967. Station Number T-72-30.



Found 3/8" Iron Pin and 3 references. Used ODOT No. T-72-30.
LS 1052 found PK nail and replaced with a 3/8" Iron Pin with Cap. OCCR 9/14/00.
LS 1056 found ODOT Brass Cap. OCCR 8/15/96.
ODOT Brass Cap set by Truett McCarty. SD-11 January 1967. Station Number T-72-30.



SCALE
1" = 500'

NOTE: REFERENCE'S SHOWN ARE NOT TO SCALE.

50% plans

PLS	PDH	
DRAWN	MMM	
CHECKED	EGZ	
APPROVED	WTM	
CREW	MESHEK	

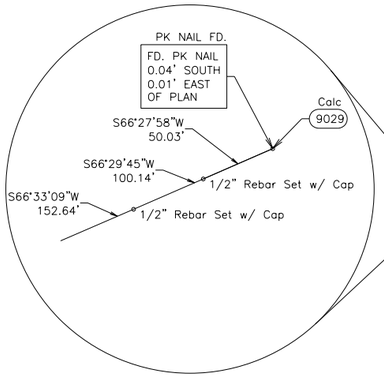
OKLAHOMA DEPARTMENT OF TRANSPORTATION
SURVEY DIVISION

SURVEY DATA SHEET

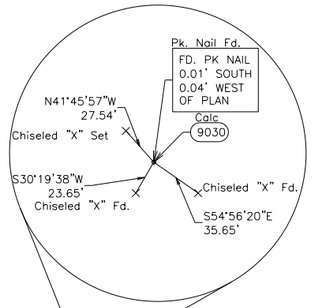
EC 1593 JP NO. 31313 (04) SHEET NO.

SDS 45 OF 51

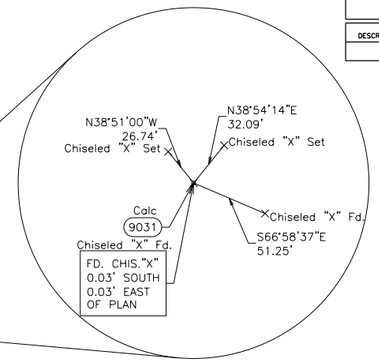
OKLAHOMA DEPARTMENT OF TRANSPORTATION					
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	OKLA.				
REVISIONS					
DESCRIPTION				DATE	



Found PK Nail set by unknown person from references filed by LS 1024 OCCR 12/14/90.
Assigned ODOT No. T-72-1612.
LS 1024 found Tressel Spike and 3 references. OCCR 12/14/90.



Found PK Nail set by unknown surveyor. Monument was set by single proportionate measurement.
Assigned ODOT No. T-72-1611.



Found Chiseled "x" and 3 references. Assigned ODOT No. T-72-1610.
LS 1052 found a Chiseled Cross in concrete pavement. OCCR 4/16/01.
LS 1024 set Chiseled "x". OCCR 12/20/94.

50% plans

N89° 34' 21.52"E
2657.000'

S1° 05' 41.61"E
2653.814'

S1° 01' 32.04"E
2651.090'

S0° 57' 21.94"E
2648.370'

N89° 30' 52.58"E
2653.762'

N89° 30' 52.58"E
2653.762'

N89° 27' 23.13"E
2650.527'

N89° 27' 23.13"E
2650.527'

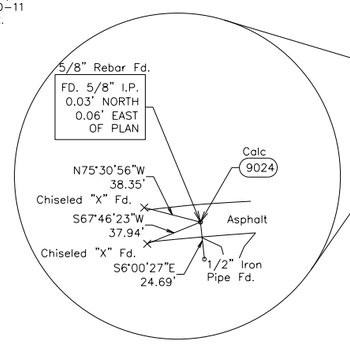
9029 9030 9031 9028 9053 9032 9024 9025 9026

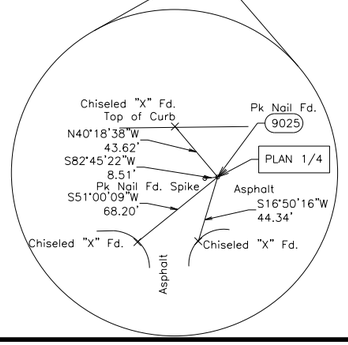
Calc in River

Calc Not Set

Calc in River

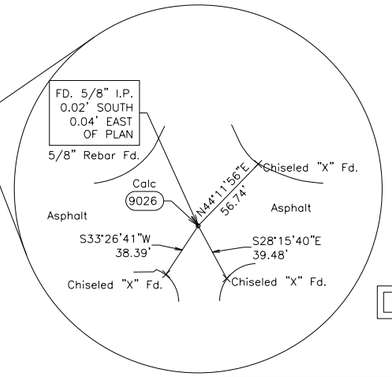
Found 5/8" Iron Pin and 3 references. Used ODOT No. T-72-12.
LS 1586 found a #5 Rebar and 2 references. OCCR 5/21/15.
LS 1806 found 5/8" Iron. OCCR 4/20/15.
LS 1052 found 5/8" Iron Pin. OCCR 11/6/95.
LS 1057 found 1-1/2" Iron Pin. OCCR 1/19/83.
ODOT Brass Cap set by Truett McCarty. SD-11 September 1966. Station Number T-72-12.





PK Nail set from drawings provided by the City of Tulsa from the proposed City of Tulsa Project 966120 Functional Plans 2004 which used a single proportionate calculated position for this monument.
Assigned ODOT T-72-1607.

Found 5/8" Iron Pin and 3 references. Assigned ODOT No. T-72-1606.
LS 1432 found a #5 Rebar and 2 references. OCCR 2/10/05.
LS 1317 found #5 Iron Rod. OCCR 12/1/97.
LS 93 found 3/4" Iron Pin. OCCR 10/6/80.



N

SCALE
1" = 500'

NOTE: REFERENCE'S SHOWN ARE NOT TO SCALE.

PLS	PDH		OKLAHOMA DEPARTMENT OF TRANSPORTATION
DRAWN	MMM		SURVEY DIVISION
CHECKED	EGZ		**SURVEY DATA SHEET**
APPROVED	WTM		
CREW	MESHEK		EC 1593 JP NO. 31313 (04) SHEET NO.

SDS 46 OF 51

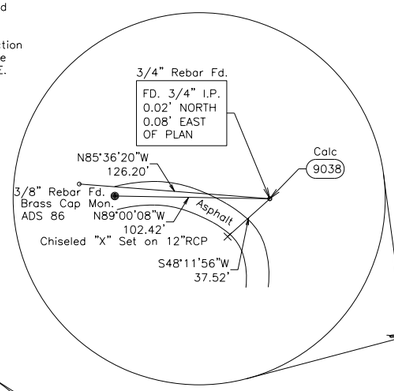
OKLAHOMA DEPARTMENT OF TRANSPORTATION					
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	OKLA.				

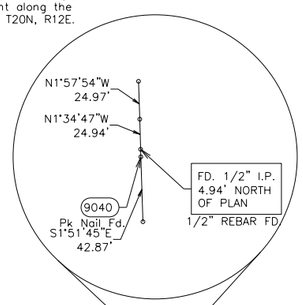
REVISIONS	
DESCRIPTION	DATE

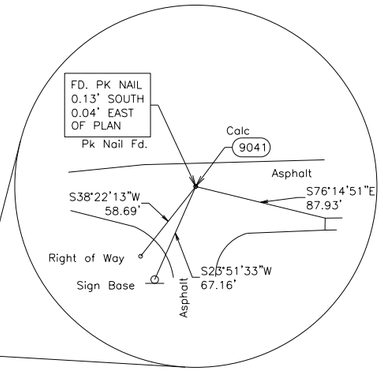
Found 3/4" Iron Pin and 2 references. Assigned ODOT No. T-72-1614.
LS 1146 found 1" Iron Pin. OCCR 9/07/01.
LS 1024 set 3/4" Iron Pin at point of intersection of the West line of the NW/4 of Sec.5 with the South line of the SW/4 of Sec. 31, T20N, R12E. OCCR 1/24/91.

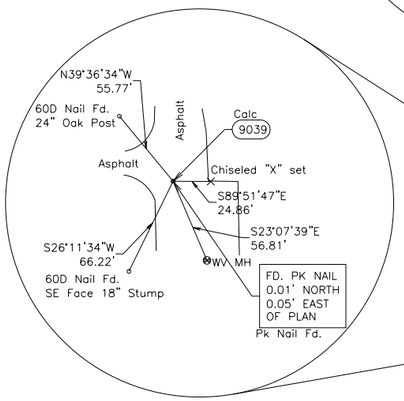
Found PK Nail and 3 references. Assigned ODOT No. T-72-1622. LS 1024 Found a yellow plastic cap covering top of Iron Pin Found flush with pavement stamped on cap Oklahoma Department of Transportation. LS 1024 set a PK Nail on ODOT N/S 1/4 Section Line of Section 5 at a point along the south line of the SE 1/4 of Section 31 T20N, R12E. OCCR 1/24/91.

Found PK Nail set by LS 1024. Assigned ODOT No. T-72-1621.
LS 1636 found a PK Nail and 2 references. OCCR 2/18/14.
LS 1052 found Magnetic Nail and 2 references. OCCR 4/16/01.
LS 1024 set a PK Nail at a point of intersection of the East line of the NE/4 of Sec. 5 with the South line of the SW/4 of Sec. 32, T20N, R12E. OCCR 1/24/91.

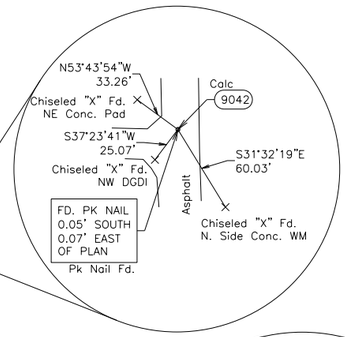




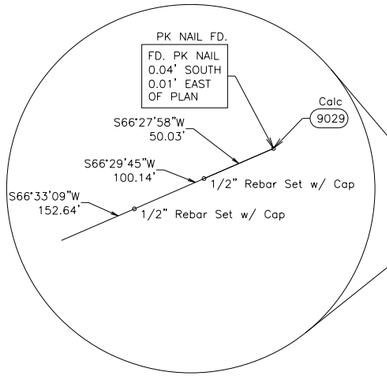




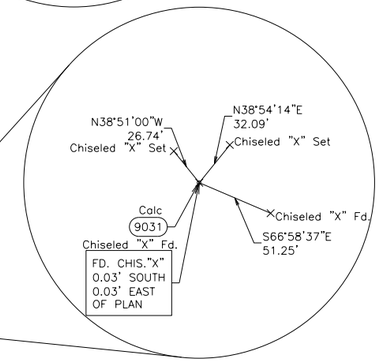
Found PK Nail and 2 references. Assigned ODOT No. T-72-1613.
LS 1304 set a Mag Nail from existing references and added 2 references. OCCR 8/11/01.
LS 101 set PK Nail from Hwy Dept. References. OCCR 2/11/83.



Found PK Nail and 3 references. Assigned ODOT No. T-72-1620.
LS 1636 found a PK Nail and 2 references. OCCR 2/18/14.
LS 1052 found PK Nail. OCCR 4/16/01.
LS 1024 set a PK Nail from 2 ODOT references. OCCR 1/24/91.



Found PK Nail set by unknown person from references filed by LS 1024 OCCR 12/14/90.
Assigned ODOT No. T-72-1612.
LS 1024 found Tressel Spike and 3 references. OCCR 12/14/90.



Found Chiseled "x" and 3 references. Assigned ODOT No. T-72-1610.
LS 1052 found a Chiseled Cross in concrete pavement. OCCR 4/16/01.
LS 1024 set Chiseled "x". OCCR 12/20/94.

Found PK Nail set by unknown surveyor. Monument was set by single proportionate measurement.
Assigned ODOT No. T-72-1611.



50% plans

SCALE
1" = 500'

NOTE: REFERENCE'S SHOWN ARE NOT TO SCALE.

PLS	PDH		OKLAHOMA DEPARTMENT OF TRANSPORTATION SURVEY DIVISION
DRAWN	MMM		
CHECKED	EGZ		**SURVEY DATA SHEET**
APPROVED	WTM		
CREW	MESHEK		EC 1593 JP NO. 31313 (04) SHEET NO.

SDS 47 OF 51

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

REVISIONS	
DESCRIPTION	DATE

50% plans

Found 1/2" Iron Pin with cap stamped B&A CA #6 and 3 references. Assigned ODOT No. T-72-1616.
LS 1024 set 1/2" Iron Pin with cap stamped B&A CA #6 and set 3 references. OCCR 9/21/98.

Calc
9036
1/2" Rebar Fd. CA6
S83°01'28"E
7.44'
S49°44'25"W
13.86'
Nail Fd. 40D
Nail Fd. 40D
Nail Fd. 40D
S9°23'40"E
12.15'

Found 1/2" Iron Pin and 3 references. Assigned ODOT No. T-72-1615.
LS 1024 found 1/2" Iron Pin and set 3 references. OCCR 2/11/83.

N36°04'01"E
13.09'
Nail Fd. 40D
SE Face 24" Elm
Nail Fd. 40D
SW Face PP
N55°35'58"W
40.10'
1/2" Rebar Fd. Bent
Nail Fd. 40D NE Face
36" Sawtooth Oak
9037
S60°40'51"W
34.93'
Calc

3/4" Rebar Fd.
FD. 3/4" I.P.
0.02' NORTH
0.08' EAST
OF PLAN
N85°36'20"W
126.20'
5/8" Rebar Fd.
9038
3/8" Rebar Fd.
Brass Cap Mon.
ADS 86
N89°00'08"W
102.42'
Chiseled "X" Set on 12"RCP
S48°11'56"W
37.52'

Found 3/4" Iron Pin and 2 references. Assigned ODOT No. T-72-1614.
LS 1146 found 1" Iron Pin. OCCR 9/07/01.
LS 1024 set 3/4" Iron Pin at point of intersection of the West line of the NW/4 of Sec.5 with the South line of the SW/4 of Sec. 31, T20N, R12E.
OCCR 1/24/91.

N88° 28' 35.07"E
2744.479'
N88° 38' 57.43"E
2667.241'

9036
9037
9038

S1° 12' 31.09"E
2632.925'
S0° 58' 29.79"E
2036.370'

Set PK Nail during previous survey from references provided by LS 1024. Assigned ODOT No. T-72-1617.
LS 1024 found Railroad Spike set by unknown surveyor and 3 references. OCCR 2/11/83.

60D Nail Set
N11°29'29"W
153.17'
Asphalt
Calc
9035
Pk Nail Fd.
79.83'
S78°44'58"W
88.70'
S9°33'04"E
60D Nail Set
NE Face PP
Asphalt
60D Nail Set
NW 24" Oak

9035
9054
Calc Not Set
9039

Pk Nail Fd.
FD. PK NAIL
0.01' NORTH
0.05' EAST
OF PLAN
N39°36'34"W
55.77'
Asphalt
60D Nail Fd.
24" Oak Post
Pk Nail Fd. PP
Calc
9039
Chiseled "X" set
S89°51'47"E
24.86'
S26°11'34"W
66.22'
Asphalt
S23°07'39"E
56.81'
WV MH
60D Nail Fd.
SE Face 18" Stump

Found PK Nail and 2 references. Assigned ODOT No. T-72-1613.
LS 1304 set a Mag Nail from existing references and added 2 references. OCCR 8/11/01.
LS 101 set PK Nail from Hwy Dept. References. OCCR 2/11/83.

S1° 22' 15.52"E
2633.660'
S1° 01' 10.97"E
2647.770'

Found PK Nail set by unknown person from references filed by LS 1024 OCCR 12/14/90.
Assigned ODOT No. T-72-1612.
LS 1024 found Tressel Spike and 3 references. OCCR 12/14/90.

PK NAIL FD.
FD. PK NAIL
0.04' SOUTH
0.01' EAST
OF PLAN
Calc
9029
S66°27'58"W
50.03'
S66°29'45"W
100.14'
1/2" Rebar Set w/ Cap
S66°33'09"W
152.64'
1/2" Rebar Set w/ Cap

9034
9033
9029

N88° 42' 42.32"E
2741.295'
N88° 47' 01.01"E
2645.879'

Found ODOT Brass Plate and 3 references. Assigned ODOT No. T-72-1618.
LS 1432 found Brass Plate. OCCR 3/29/05.
LS 101 found Brass Plate. OCCR 2/11/83.
LS 823 found Brass Plate. OCCR 1/22/79.

Calc
9034
Asphalt
N66°25'52"E
74.89'
Nail Fd. 60D
SW Face PP
Nail Fd. 60D
S Face PP
N58°27'06"W
33.88'
Brass Cap Mon
S31°34'39"W
51.77'
Pk Nail Fd.
NE Face PP
Asphalt

Pk Nail Fd.
NE Face PP
Calc
9033
Asphalt
Nail Fd. 60D
W Face PP
N19°04'31"W
24.79'
N75°29'13"W
86.29'
3/4" Rebar Fd.
S11°19'25"W
21.82'
Pk Nail Fd.
NE Face PP

Found 3/4" Iron Pin and 3 references. Assigned ODOT No. T-72-1619.
LS 101 found Railroad Spike. OCCR 2/11/83.

SCALE
1" = 500'

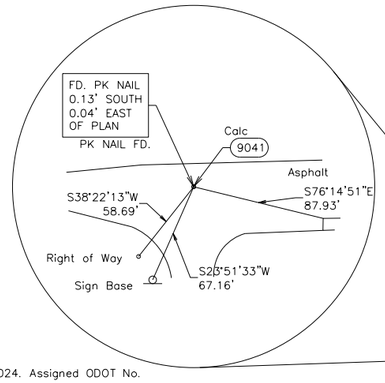
NOTE: REFERENCE'S SHOWN ARE NOT TO SCALE.

PLS	PDH		OKLAHOMA DEPARTMENT OF TRANSPORTATION
DRAWN	MMM		SURVEY DIVISION
CHECKED	EGZ		**SURVEY DATA SHEET**
APPROVED	WTM		
CREW	MESHEK		EC 1593 JP NO 31313 (04) SHEET NO.

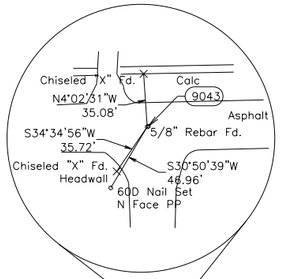
SDS 48 OF 51

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

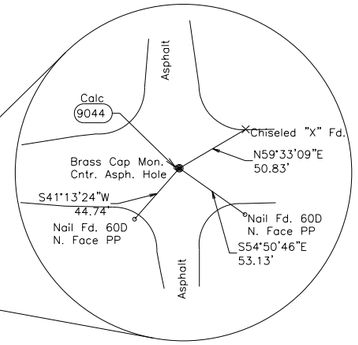
REVISIONS	
DESCRIPTION	DATE



Found PK Nail set by LS 1024. Assigned ODOT No. T-72-1621.
LS 1636 found a PK Nail and 2 references. OCCR 2/18/14.
LS 1052 found Magnetic Nail and 2 references. OCCR 4/16/01.
LS 1024 set a PK Nail at a point of intersection of the East line of the NE/4 of Sec. 5 with the South line of the SW/4 of Sec. 32, T20N, R12E. OCCR 1/24/91.



Found 5/8" Iron Pin set by unknown surveyor and 3 references. Assigned ODOT No. T-72-1626.
LS 1052 found 5/8" Iron Pin and set 3 references. OCCR 4/16/01.



Found remains of Brass Cap concrete base set by unknown surveyor and 3 references. Assigned ODOT No. T-72-1625.

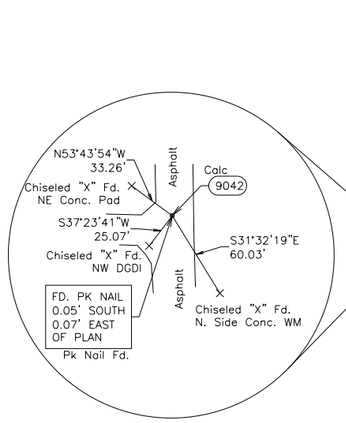
N88° 38' 09.58"E
2651.205'

N88° 28' 21.36"E
2655.717'

9041 — 9043 — 9044

N1° 17' 24.95"W
2125.024'

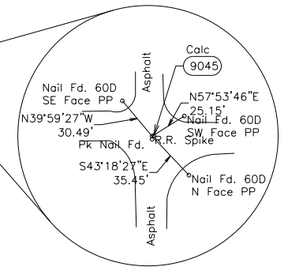
N0° 55' 29.58"W
2166.772'



Found PK Nail and 3 references. Assigned ODOT No. T-72-1620.
LS 1636 found a PK Nail and 2 references. OCCR 2/18/14.
LS 1052 found PK Nail. OCCR 4/16/01.
LS 1024 set a PK Nail from 2 ODOT references. OCCR 1/24/91.

9056
Calc Not Set

9042 — 9045



Found Railroad Spike and 3 references set by unknown surveyor. Assigned ODOT No. T-72-1624.
PK Nail found 2' south of corner.

N1° 10' 59.62"W
2641.376'

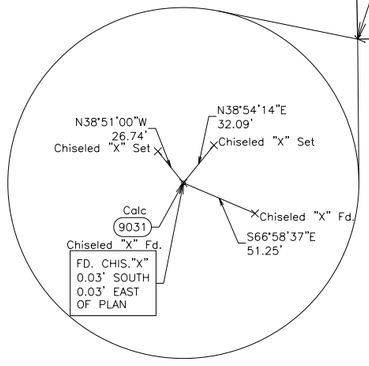
N1° 07' 01.99"W
2642.191'

9031 — 9047 — 9046

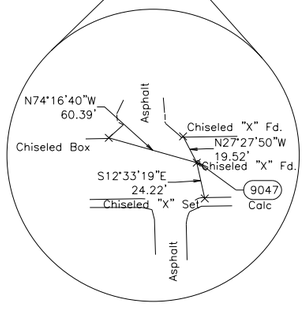
S89° 00' 48.91"W
2650.086'

N89° 00' 53.10"E
2640.023'

Calc in River



Found Chiseled "x" and 3 references. Assigned ODOT No. T-72-1610.
LS 1052 found a Chiseled Cross in concrete pavement. OCCR 4/16/01.
LS 1024 set Chiseled "x". OCCR 12/20/94.



Found Chiseled "x" and 2 references. Assigned ODOT No. T-72-1623.
LS 1024 set a Chiseled "x" from lot corners within subdivisions near Quarter Corner. OCCR 12/20/94.

N

SCALE
1" = 500'

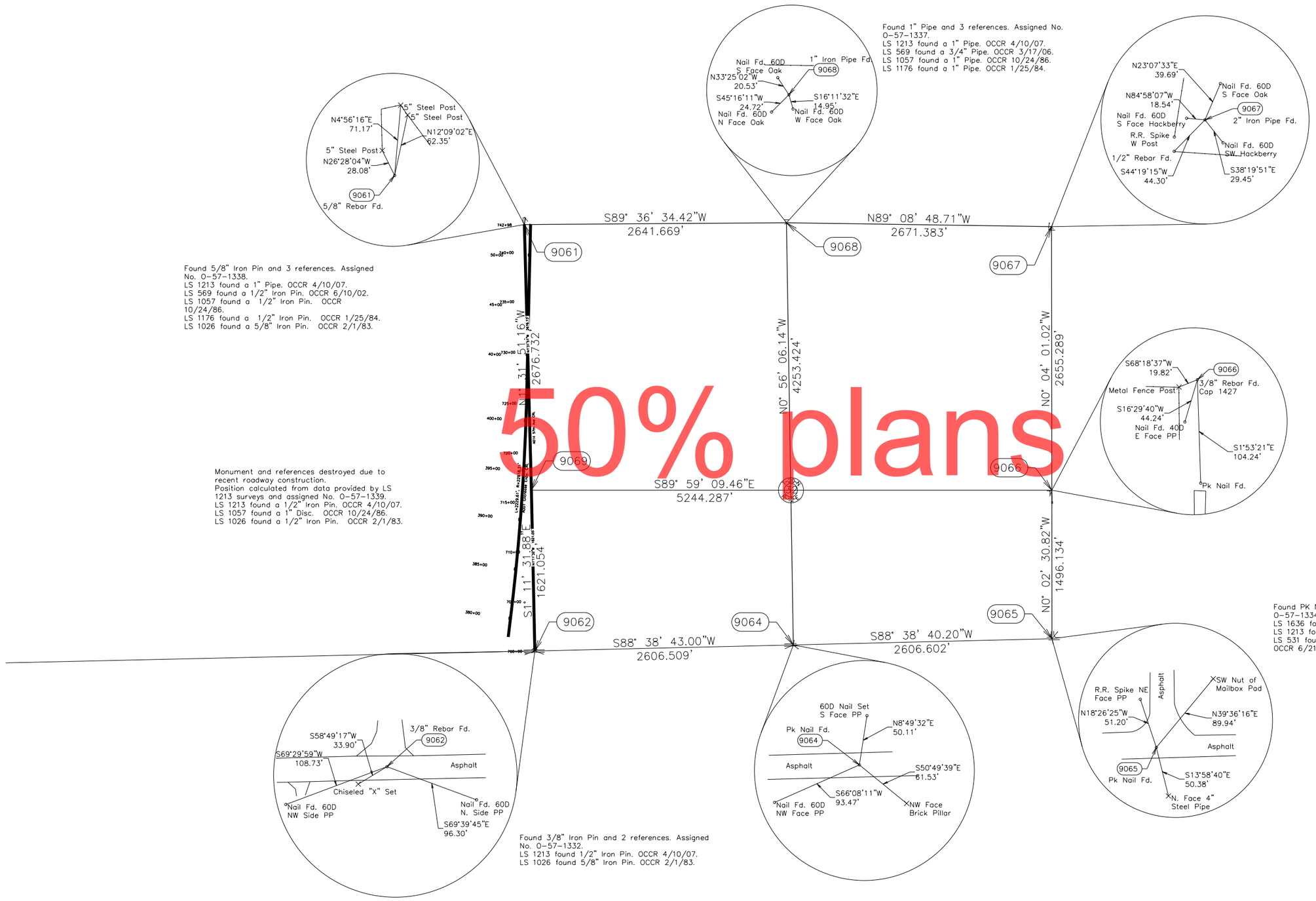
NOTE: REFERENCE'S SHOWN ARE NOT TO SCALE.

PLS	PDH		OKLAHOMA DEPARTMENT OF TRANSPORTATION
DRAWN	MMM		SURVEY DIVISION
CHECKED	EGZ		**SURVEY DATA SHEET**
APPROVED	WTM		
CREW	MESHEK		EC 1593 JP NO. 31313 (04) SHEET NO.

SDS 49 OF 51

50% plans

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



Found 5/8" Iron Pin and 3 references. Assigned No. 0-57-1338.
LS 1213 found a 1" Pipe. OCCR 4/10/07.
LS 569 found a 1/2" Iron Pin. OCCR 6/10/02.
LS 1057 found a 1/2" Iron Pin. OCCR 10/24/86.
LS 1176 found a 1/2" Iron Pin. OCCR 1/25/84.
LS 1026 found a 5/8" Iron Pin. OCCR 2/1/83.

Found 1" Pipe and 3 references. Assigned No. 0-57-1337.
LS 1213 found a 1" Pipe. OCCR 4/10/07.
LS 569 found a 3/4" Pipe. OCCR 3/17/06.
LS 1057 found a 1" Pipe. OCCR 10/24/86.
LS 1176 found a 1" Pipe. OCCR 1/25/84.

Found 2" Pipe and 4 references. Assigned No. 0-57-1336.
LS 1139 found 2" Pipe accepted and a #4 rebar not accepted. OCCR 5/7/10.
LS 1213 found 1/2" Iron Pin. OCCR 4/10/07.
LS 1052 found a 2" Pipe. OCCR 7/11/07.
LS 1432 found a #4 Rebar. OCCR 6/7/06.
LS 1024 found a 2" Pipe. OCCR 3/27/92.

Monument and references destroyed due to recent roadway construction.
Position calculated from data provided by LS 1213 surveys and assigned No. 0-57-1339.
LS 1213 found a 1/2" Iron Pin. OCCR 4/10/07.
LS 1057 found a 1" Disc. OCCR 10/24/86.
LS 1026 found a 1/2" Iron Pin. OCCR 2/1/83.

Found 3/8" Iron Pin with cap stamped CA #1427 and 2 references. Assigned No. 0-57-1335.
LS 1636 set with cap stamped CA #1427 from references by LS 1024. OCCR 2/10/11.
LS 1213 found 3/4" Iron Pin. OCCR 4/10/07.
LS 1024 set 5/8" Iron Pin at record pro-rated government distance between NW. Section Corner and SW. Section Corner of Sec. 33. OCCR 2/22/95.

Found 3/8" Iron Pin and 2 references. Assigned No. 0-57-1332.
LS 1213 found 1/2" Iron Pin. OCCR 4/10/07.
LS 1026 found 5/8" Iron Pin. OCCR 2/1/83.

Found PK Nail and 3 references. Assigned No. 0-57-1333.
LS 1530 found Mag. Nail in asphalt that match the references indicated by Fitzgerald corner record. OCCR 2/4/11.
LS 1213 found Mag. Nail. OCCR 4/10/07.
LS 1176 set Brass Cap flush with asphalt paving. OCCR 1/25/84.

Found PK Nail and 3 references. Assigned No. 0-57-1334.
LS 1636 found Mag. Nail. OCCR 2/10/11.
LS 1213 found PK Nail. OCCR 4/10/07.
LS 531 found Steel Cap with markings worn off. OCCR 6/21/82.

SCALE
1" = 500'

NOTE: REFERENCE'S SHOWN ARE NOT TO SCALE.

50% plans

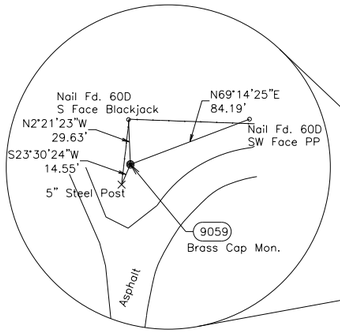
			OKLAHOMA DEPARTMENT OF TRANSPORTATION
PLS	PDH		SURVEY DIVISION
DRAWN	MMM		**SURVEY DATA SHEET**
CHECKED	EGZ		
APPROVED	WTM		
CREW	MESHEK		EC 1593 JP NO. 31313 (04) SHEET NO.

SDS 50 OF 51

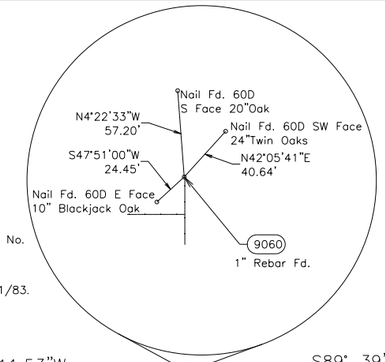
OKLAHOMA DEPARTMENT OF TRANSPORTATION					
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	OKLA.				

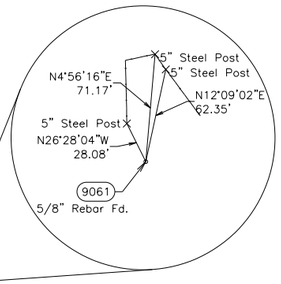
REVISIONS	
DESCRIPTION	DATE

Found Land Office Survey Brass Cap and 3 references. Assigned No. O-57-1343.
LS 1213 found Brass Cap. OCCR 4/10/07.
LS 1509 Land Office Survey Brass Cap. OCCR 6/10/02.
LS 1026 Land Office Survey Brass Cap. OCCR 2/1/83.



Found 1" Iron Pin and 3 references. Assigned No. O-57-1342.
LS 1636 found 1" Iron Pin. OCCR 2/10/11.
LS 1213 found 1" Iron Pin. OCCR 4/10/07.
LS 1026 found 1" Pipe in concrete. OCCR 2/1/83.





Found 5/8" Iron Pin and 3 references. Assigned No. O-57-1338.
LS 1213 found a 1" Pipe. OCCR 4/10/07.
LS 569 found a 1/2" Iron Pin. OCCR 6/10/02.
LS 1057 found a 1/2" Iron Pin. OCCR 10/24/86.
LS 1176 found a 1/2" Iron Pin. OCCR 1/25/84.
LS 1026 found a 5/8" Iron Pin. OCCR 2/1/83.

S88° 56' 11.53"W
2631.594'

S89° 39' 49.78"W
2670.622'

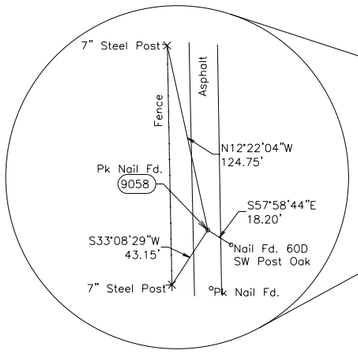
9059 9060 9061

S0° 58' 17.42"E
2604.204'

N1° 26' 57.76"W
4341.837'

N1° 31' 51.16"W
2676.732'

Found PK Nail set by unknown surveyor and 3 references. Assigned No. O-57-1344.
LS 1636 Found 1/2" Iron Pin with B&A cap. OCCR 2/10/11.
LS 1213 Found 1/2" Iron Pin with B&A cap. OCCR 4/10/07.
LS 1026 Found 1" Pipe. OCCR 2/1/83.



50% plans

9058 9069

S89° 55' 12.20"E
5329.078'

Monument and references destroyed due to recent roadway construction.
Position calculated from data provided by LS 1213 surveys and assigned No. O-57-1339.
LS 1213 found a 1/2" Iron Pin. OCCR 4/10/07.
LS 1057 found a 1" Disc. OCCR 10/24/86.
LS 1026 found a 1/2" Iron Pin. OCCR 2/1/83.

S1° 00' 27.01"E
1747.134'

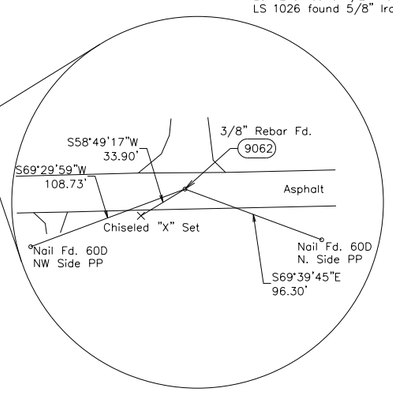
S1° 11' 31.88"E
1621.054'

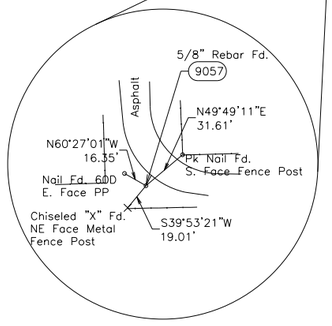
9057 9063 9062

S88° 43' 49.39"W
2666.741'

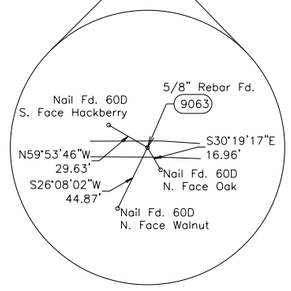
S88° 43' 06.63"W
2666.660'

Found 3/8" Iron Pin and 2 references. Assigned No. O-57-1332.
LS 1213 found 1/2" Iron Pin. OCCR 4/10/07.
LS 1026 found 5/8" Iron Pin. OCCR 2/1/83.





Found 5/8" Iron Pin and 3 references. Assigned No. O-57-1340.
LS 1636 found 5/8" Iron Pin. OCCR 2/10/11.
LS 1213 found 5/8" Iron Pin. OCCR 4/10/07.
LS 1026 found 5/8" Iron Pin. OCCR 2/1/83.



Found 5/8" Iron Pin and 3 references. Assigned No. O-57-1341.
LS 1636 found 3/8" Iron Pin. OCCR 2/10/11.
LS 1213 found Brass Cap. OCCR 4/10/07.
LS 1026 set 3/8" Iron Pin. OCCR 2/1/83.

SCALE
1" = 500'

NOTE: REFERENCE'S SHOWN ARE NOT TO SCALE.

PLS	PDH		OKLAHOMA DEPARTMENT OF TRANSPORTATION
DRAWN	MMM		SURVEY DIVISION
CHECKED	EGZ		**SURVEY DATA SHEET**
APPROVED	WTM		
CREW	MESHEK		EC 1593 JP NO. 31313 (04) SHEET NO.

SDS 51 OF 51

8-87