LEGEND OF SYMBOLS

- EXISTING MANHOLE
- EXISTING CURB INLET
- PROPOSED CURB INLET
- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
- (W) EXISTING WATER METER
- EXISTING GAS VALVE
- (G) GAS METER/GAS RISER
- STREET LIGHT
- POWER POLE
- GUY ANCHOR
- HCR EXISTING HANDICAP RAMP
- TRAFFIC SIGNAL PULLBOX
- (E) POWER BOX (IN GROUND)
- (P) POWER RISER
- (T) TELEPHONE RISER
- SIGN
- (MB) MAILBOX
- CONTROL POINT
- SOIL BORINGS
- TREE
- GATE

- EXISTING FENCES
- EXISTING GUARD RAIL
- EXISTING ROADS, DRIVEWAYS, PARKING, AND SIDEWALKS
- C.R.L.
- PROPERTY LINE
- RIGHT-OF-WAY LINES-EXISTING
- EXISTING AERIAL POWER LINES
- EXISTING UNDERGROUND POWER LINES
- EXISTING SANITARY SEWERS
- EXISTING WATER LINES
- RCP EXISTING STORM SEWER

DESIGN SPEED 25 MPH
AADT (2021)=3,325
AADT (2041)=4,650

UTILITY CONTACTS

AEP/PSO	LONNY HICKS	(918)250-6211
AT&T	ALFORD NICHOLS	(539)444-1069
COX COMM.	JASON HOLT	(918)830-7238
ONG	CODY YOST	(918)352-5745
CITY OF TULSA UTILITY COORDINATOR	TONY GLYNN	(918)596-9245

CONTROL SURVEY DATA

PERMANENT BENCHMARK REFERENCE:
ADS# 2016-18, 3" ALUMINUM CAP SET FLUSH IN CONCRETE POST-STAMPED "2016-18"-SOUTH SIDE OF E. 11TH ST., AND WEST OF S. LEWIS PL.
N=424128.682, E=2571530.671, ELEV.=746.030'

PERMANENT BENCHMARK REFERENCE:
ADS# 2016-21, 3" ALUMINUM CAP SET FLUSH IN CONCRETE POST-STAMPED "2016-21"-SOUTH SIDE OF E. ARCHER ST., AND WEST OF N. MADISON AVE.
N=429269.088, E=2564688.182, ELEV.=727.928'

1. HORIZONTAL CONTROL:
   A. HORIZONTAL CONTROL FOR THIS SURVEY IS THE NAD83(1993) OKLAHOMA STATE PLANE COORDINATE SYSTEM NORTH ZONE.
   B. ACCURACY - 3RD ORDER OR BETTER.
2. BEARINGS:
   THE BEARINGS SHOWN HEREIN OR HEREON ARE "GRID" BEARINGS DERIVED FROM NGS OKLAHOMA PLANE COORDINATE SYSTEM AND RE NOT ASTRONOMICAL.
3. VERTICAL CONTROL:
   A. LEVEL DATUM IS SEA MEAN LEVEL DATUM OF (NGS) NAVD 1988.
   B. ACCURACY - 3RD ORDER OR PETTER.

THIS PROJECT COMPLIES WITH ALL OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY (ODEQ) REQUIREMENTS.

CURRENT CITY OF TULSA STANDARD SPECIFICATIONS AND DETAILS GOVERN. ALL OTHER CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH 2019 OKLAHOMA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AS ADOPTED BY C.O.T.

CITY OF TULSA, OKLAHOMA

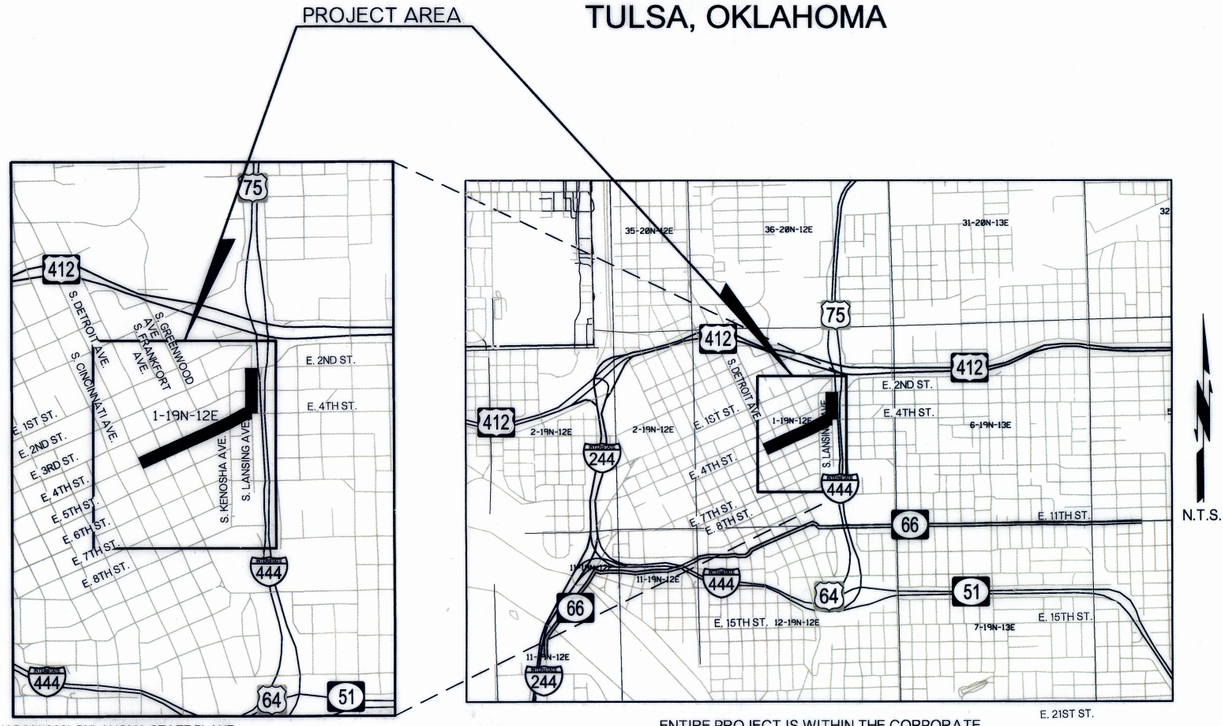
CONSTRUCTION PLANS FOR

ARTERIAL STREET RECONSTRUCTION

E. 4TH ST.-
S. DETROIT AVE. TO S. LANSING AVE.
S. LANSING AVE.-
E. 4TH ST. TO E. 2ND ST.

PROJECT NOS. 2036D0001Z, 2036D0006Z & TWUA-W 23-13

PUBLIC WORKS DEPARTMENT
TULSA, OKLAHOMA



N.T.S.

ENTIRE PROJECT IS WITHIN THE CORPORATE AND URBAN LIMITS OF THE CITY OF TULSA

2 LANE - 0.17 MILES REHABILITATION
4 LANE - 0.44 MILES REHABILITATION

In accordance with ODOT Section 105.14, the COT is anticipating that the successful contractor will utilize the appropriate means and methods to accomplish the work described in the plans without causing collateral damage to the existing infrastructure. The plans are set up with the expectation of performing patching and concrete work prior to milling operations to minimize construction traffic loadings to reduced capacity street sections. Further, the anticipated construction phasing will minimize the time between milling and new asphalt placement. Leaving open milled sections will be at the Contractor's risk in the event that local or construction traffic causes damage to previously undamaged area. Current COT construction budgets do not allow for growth of the project.

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5		PAY QUANTITY & NOTES (WATERLINE)
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10	- 13	SUMMARY SHEETS
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18	- 20	SURVEY DATA & RIGHT OF WAY
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55	- 62	TRAFFIC CONTROL
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XS01	- XS20	CROSS SECTIONS

COT STANDARDS

102	709
126	713
304A	725
305	727
311	729
313	751
313A	752
315	753
601	754
602	755
608A	764
608B	765
622	766
701	767
706	775
707	790

ODOT STANDARDS (2019)

IPD-0	TCS4-1-01
RSF-0	TCS5-1-00
SSS-2-1	TCS6-1-02
LECS-5-2	TCS7-1-02
LTU-5-1	TCS8-1-00
TWD-2-2	TCS9-1-01
SPI-5-2	TCS10-1-00
PM1-1-03	TCS11-1-01
PM8-1-01	TCS14-1-00
TCS1-1-01	TCS1-19-01
TCS2-1-00	TCS20-1-00
TCS3-1-01	TCS21-1-02

APPROVED BY

Jen O. Ball
CITY ENGINEER — 6/9/2025 DATE

APPROVED BY

Thomas M. Rains
FOR WATER AND SEWER DIRECTOR — 6/9/2025 DATE

ADVERTISEMENT DATE: _____

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

PREPARED AND SUBMITTED BY

POE & ASSOCIATES INC.
4606 S. GARNETT RD., STE. 600
TULSA, OK 74146 (918) 665-8800
FAX: (918) 665-6076

LICENSED PROFESSIONAL ENGINEER REMINGTON S MADDOX 29211 OKLAHOMA

Remington Maddox — 5-5-25 DATE

CERTIFICATE OF AUTHORIZATION NO. CA 541 P.E., L.S.

PROJECT NOs. 2036D0001Z, 2036D0006Z &TWUA-W 23-13

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5/2/2025

SUMMARY OF PAVING & DRAINAGE QUANTITIES

ITEM	SPEC. NO.	DESCRIPTION	PAY ITEM NOTES								UNIT	QUANTITY
1	202(A)	UNCLASSIFED EXCAVATION	E-3	E-4	R-1						CY	5,281
2	220	SWPPP DOCUMENTATION AND MANAGEMENT	E-6	E-7	E-8	E-9					LS	1
3	230(A)	SOLID SLAB SODDING	E-10	E-11							SY	925
4	303(A)	AGGREGATE BASE, TYPE A	S-1	S-2							CY	5,281
5	310(B)	SUBGRADE, METHOD B									SY	15,315
6	325	SEPARATOR FABRIC	S-3								SY	17,014
7	412	COLD MILLING PAVEMENT (2")	S-9	S-22							SY	250
8	414(B)	DOWEL JOINTED P.C.C. PAVT. (PLACEMENT)	S-10	S-11	SP-1						SY	14,342
9	414(G)	P.C. CONCRETE PAVEMENT (9")	S-10	S-11	S-12	S-13	SP-1				CY	3,586
10	511(A)	REINFORCING STEEL	SP-1								LB	3,586
11	609	(PL) PARKING BLOCK									EA	9
12	609(B)	2'-2" COMBINED CURB AND GUTTER (6" BARRIER)	S-10	S-12	S-13	S-15	S-16				LF	2,765
13	610(A)	4" CONCRETE SIDEWALK	S-12	S-13	S-16	S-17					SY	1,825
14	610(B)	6" CONCRETE DRIVEWAY (H.E.S.)	S-12	S-13	S-16	S-17					SY	760
15	610(I)	TACTILE WARNING DEVICE									SF	178
16	611(A)	5' MANHOLE, COMPLETE IN PLACE (STORM)	D-1	D-2	D-3	D-4	D-5				EA	1
17	611(G)	INLET CICI DESIGN 2, COMPLETE IN PLACE	D-2	D-3	D-7	D-8	D-9	D-10			EA	5
18	613(A)	RCP, 15 INCH ROUND, COMPLETE IN PLACE	D-8	D-12	D-13						LF	28
19	613(A)	RCP, 18 INCH ROUND, COMPLETE IN PLACE	D-8	D-12	D-13						LF	90
20	612(A)	MANHOLES ADJUST TO GRADE	S-12	R-2	D-1	D-2	D-6				EA	25
21	612(C)	INLET ADJUSTED TO GRADE	S-12	R-2	D-2	D-6	D-7	D-9			EA	8
22	612(E)	VALVE BOXES ADJUSTED TO GRADE	S-12	R-2	D-2	D-6					EA	5
23	619(B)	REMOVAL OF PAVEMENT	R-1	R-2	R-5	R-6					SY	14,958
24	619(B)	REMOVAL OF DRIVEWAY	R-1	R-2	R-5	R-6					SY	773
25	619(B)	REMOVAL OF CURB AND GUTTER	R-1	R-2	R-5	R-6					LF	2,543
26	619(B)	REMOVAL OF SIDEWALK	R-1	R-2	R-5	R-6					SY	1,789
27	619(B)	REMOVAL OF CURB RAMP	R-1	R-2	R-5	R-6					EA	10
28	619(B)	REMOVAL OF DRAINAGE PIPE	R-1	R-2	R-5	R-6					LF	159
29	619(B)	REMOVAL OF DRAINAGE INLET	R-1	R-2	R-5	R-6					EA	5
30	619(B)	REMOVAL OF MANHOLE	R-1	R-2	R-5	R-6					EA	1
31	619(C)	SAWING PAVEMENT									LF	150
32	641	MOBILIZATION	G-2								EA	1
33	642	CONSTRUCTION STAKING LEVEL II	G-3	G-4							EA	1
34	805(A)	REMOVAL OF TRAFFIC ITEMS	T-1								LSUM	1
35	855(A)	TRAFFIC STRIPE(PLASTIC)(4" WIDE)	T-3								LF	11,375
36	855(A)	TRAFFIC STRIPE(PLASTIC)(8" WIDE)	T-3								LF	2,825
37	855(A)	TRAFFIC STRIPE(PLASTIC)(12" WIDE)	T-3								LF	130
38	855(A)	TRAFFIC STRIPE(PLASTIC)(24" WIDE)	T-3								LF	1,255
39	855(B)	TRAFFIC STRIPE(PLASTIC)(SYMBOLS, WORDS, ETC)	T-3								EA	43
40	857(C)	REMOVABLE PAVEMENT MARKING TAPE									LF	15,000
41	857(E)	CONSTRUCTION ZONE PAVEMENT MARKERS (FLEX TABS) TYPE 2-2									EA	1,000
42	857(F)	PAVEMENT MARKING REMOVAL									LF	10,000
43	COT 608	GROUND SIGN	T-2								SF	285
44	COT 608	1-1/2" SIGN POST									LF	16
45	COT 608	1-3/4"' SIGN POST									LF	459
46	COT 608	2" SIGN POST									LF	129
47	880(A)	ARROW DISPLAY	T-4								SD	240
48	880(B)	SIGNS 0.00 TO 6.25 SF	T-2	T-4	T-5						SD	1,500
49	880(B)	SIGNS 6.26 TO 15.99 SF	T-2	T-4	T-5						SD	3,000
50	880(B)	SIGNS 16.00 AND UP	T-2	T-4	T-5						SD	3,000
51	880(C)	BARRICADES (TYPE III)	T-2	T-4	T-5						SD	3,000
52	880(E)	TYPE "A" WARNING LIGHT	T-5								SD	9,000
53	880(E)	TYPE "C" WARNING LIGHT	T-5								SD	10,000
54	880(F)	DRUMS	T-2	T-4	T-5						SD	10,000
55	880(G)	TUBE CHANNELIZERS	T-2	T-4							SD	10,000
56	880(I)	FLAGGER	T-6								SD	300
57	882(B)	REMOTE CONTROLLED CHANGEABLE MESSAGE SIGN	T-4								SD	240
58	SPECIAL	CURB RAMP									EA	14
59	SPECIAL	PROJECT SIGN (CITY OF TULSA)	T-7								EA	2
60	SPECIAL	URBAN RIGHT-OF-WAY RESTORATION	G-5	G-6	G-7	G-8	G-9	G-10			EA	1
61	SPECIAL	OWNER ALLOWANCE									EA	25,000
62	SPECIAL	SIGNAGE FOR LOCAL BUSINESS ACCESS (BAS-1)	T-4								SD	500
63	COT 202	QUICK SET FLOWABLE FILL	G-1	D-8							CY	500
64	COT 334	CONSTRUCTION AS-BUILTS									LS	1
65	COT 335	CONTRACTOR'S QUALITY CONTROL									LS	1
66	COT 626(A)	TRAFFIC SIGNAL MAINTENANCE									HR	1
67	COT 626(B)	SIGNAL MODIFICATIONS FOR LANE CLOSURES PER SIGNALIZED INTERSECTION									EA	1
68	SPECIAL	TRAFFIC SIGNAL INTERCONNECT (DOWNTOWN TRAFFIC COMMUNICATIONS)									ALLOW	40,000

GENERAL PAY ITEM NOTE - ROADWAY

ITEMS LISTED OR SHOWN ON DRAWINGS AND/ OR DESCRIBED IN THE SPECIFICATIONS THAT ARE NOT INCLUDED AS A SEPARATE PAY ITEM QUANTITY SHALL BE CONSIDERED INCIDENTAL AND THE COST SHALL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS. THE PRICE BID FOR ALL WORK SHALL INCLUDE ALL MATERIALS, EQUIPMENT, LABOR, INCIDENTALS, AND ALL OTHER REQUIRED ITEMS TO COMPLETE THE WORK AS SHOWN ON PLANS AND SPECIFICATIONS.

SPECIAL DOWNTOWN TRAFFIC COMMUNICATIONS CONDUIT & CABLE:

1. IN CASE ANY OF THE COMMUNICATIONS CONDUIT IS HIT, THE FOLLOWING PAY ITEMS WILL BE NECESSARY:
   A. COT 602, 2"HDPE SCH 40 CONDUIT (DIRECTIONAL BORE)
   B. COMMUNICATIONS CABLE, CAT 6. TRAFFIC OPERATIONS WILL NEED TO DETERMINE THE QUANTITY OF INDIVIDUAL CAT 6 CABLES AT EACH SPECIFIC LOCATION.
   C. TEMPORARY SIGNAL COMMUNICATIONS

2. ADD THE FOLLOWING NOTE FOR PAY ITEM FOR TEMPORARY SIGNAL COMMUNICATIONS:

- SHOULD DOWNTOWN SIGNAL COMMUNICATIONS BE DISRUPTED DUE TO THE CONTRACTOR'S OPERATIONS, THE CONTRACTOR SHALL PROVIDE TEMPORARY COMMUNICATIONS EQUIPMENT TO THE CITY OF TULSA. ALL ITEMS SHALL BE DELIVERED TO THE CITY OF TULSA TRAFFIC ENGINEERING DEPARTMENT. CITY OF TULSA PERSONNEL SHALL INSTALL THE EQUIPMENT, AND THE EQUIPMENT SHALL BECOME THE PROPERTY OF THE CITY OF TULSA UPON COMPLETION OF THE PROJECT. TEMPORARY SIGNAL EQUIPMENT SHALL INCLUDE THE FOLLOWING **PER INTERSECTION** WHERE COMMUNICATIONS ARE DISRUPTED (FOR A MAXIMUM OF __1__ INTERSECTIONS ON THIS PROJECT): ECONOLITE COBALT ATC CONTROLLER, 18 CHANNEL EDI 2018-ECLIP CONFLICT MONITOR, WIRELESS TRAFFIC SIGNAL COMMUNICATIONS SYSTEM PER SPECIFICATION SECTION 622, AND ALL ASSOCIATED APPURTENANCES.

** NOTE: IF THE CONDUIT IS HIT BETWEEN TWO JUNCTION CABINETS, THEN THE CABLE MUST BE REPLACED FROM ONE JUNCTION CABINET TO ANOTHER JUNCTION CABINET. QUANTITIES SHOULD BE ESTIMATED TO INCLUDE ONE FOR EVERY INTERSECTION THAT IS LOCATED BETWEEN THE TWO JUNCTION CABINETS, SO AT LEAST TWO OF EACH ITEM WILL BE NECESSARY AND MAYBE MORE DEPENDING ON THE LOCATION OF THE JUNCTION CABINETS. CONTACT CITY OF TULSA TRAFFIC OPERATIONS AT 4015 N. HARVARD AVE. TULSA, OK FOR THE NUMBER COUNT FOR THE ABOVE NOTE OF SIGNALS THAT COULD BE IMPACTED IF THE COMMUNICATIONS IS DISRUPTED AT THIS INTERSECTION.

(version: 11/14/2018)

PAY QUANTITIES (ROADWAY)

CBD STREET REHABILITATION
4TH ST./LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: NA
PROFILE SCALE: NA
HORIZONTAL: NA
VERTICAL: NA

DRAWN	POE	1/2023	APPROVED:
DESIGNED	POE	1/2023	
SURVEY			
PROJ. MGR.	RM	5-25	
LEAD ENGR.	RM	5/25	
FIELD MGR.			
RECOMMENDED	HAS	5-25	CITY ENGINEER
DESIGN MANAGER			

FILE: 303913-03-PAY QUANTITY.DGN
DATE: 6/9/2025
ATLAS PAGE NO: 18
SHEET 2 OF 63 SHEETS

LICENSED PROFESSIONAL ENGINEER
REMINGTON S. MADDOX
25
OKLAHOMA
5-5-25

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PAY ITEM NOTES - PAVING & DRAINAGE

E-1 NOT USED
E-2 NOT USED
E-3 THE CONTRACTOR SHALL BE PAID FOR UNCLASSIFIED EXCAVATION ON THE BASIS OF PLAN QUANTITY. ANY ADDITIONAL EXCAVATION REQUIRED OR OVERRUN OF PLAN QUANTITY WILL BE PAID FOR ON THE BASIS OF UNIT PRICE BID FOR THE ITEM. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SURVEY TO VERIFY ANY ADDITIONAL QUANTITIES.
E-4 UNCLASSIFIED EXCAVATION INCLUDES REMOVAL OF AGGREGATE BASE AND MODIFIED SUBGRADE UNDER EXISTING PAVEMENT TO BE REPAIRED.
E-5 NOT USED
E-6 THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROL AND MAINTENANCE OF THE STORM WATER DRAINAGE FROM THE CONSTRUCTION SITE. STORM WATER PONDING ON THE CONSTRUCTION SITE THAT IS THE RESULT OF CONSTRUCTION WILL NOT BE ALLOWED. ALL COST ASSOCIATED WITH STORM WATER MANAGEMENT, AS WELL AS REMOVAL OF ALL SILT AND DEBRIS FROM ALL DRAINAGE STRUCTURES, STORM SEWER PIPES AND APPURTENANCES WITHIN THE PROJECT LIMITS AT END OF PROJECT, SHALL BE INCLUDED IN THE UNIT PRICE
E-7 EROSION PROTECTION SHALL BE PLACED AS FOLLOWS:
A) AROUND INLETS TO PREVENT INFLOW OF ERODED MATERIAL INTO STORM SEWER SYSTEM;
B) IN LOCATIONS THROUGHOUT PROJECT SITE, AS DETERMINED BY THE ENGINEER, TO PREVENT WASH OF ERODED MATERIAL ONTO ADJACENT PROPERTY;
C) FOR ENTIRE DURATION OF PROJECT, WITH MAINTENANCE AND REPLACEMENTS, AS DIRECTED BY THE ENGINEER;
D) WITH PERIODIC REMOVAL OF SEDIMENT IN ACCORDANCE WITH STORMWATER MANAGEMENT PLAN.
ALL COST FOR ITEMS A-D ABOVE SHALL BE INCLUDED IN UNIT PRICE BID FOR THIS ITEM.

E-8 PRICE BID SHALL INCLUDE MAINTENANCE, SEDIMENT REMOVAL, DISPOSAL, AND REMOVAL OF FILTERS AT PROJECT COMPLETION.
E-9 INCLUDES__24__TYPE __2A_ FILTERS.
E-10 ESTIMATED QUANTITY IS BASED ON SODDING OF ALL DISTURBED AREAS OUTSIDE THE FINAL PAVING LIMITS AND WITHIN THE FINAL GRADING LIMITS AS INDICATED BY THE TOP-OF-CUT/TOE-OF-SLOPE LINE ON THE PLANS (EXCLUDING SURFACES OF STRUCTURES, FIXTURES AND APPURTENANCES). SOD SHALL BE OF LIKE-KIND TO EXISTING SOD. PRICE BID INCLUDES PLACEMENT AND COMPACTION OF SUITABLE BACKFILL. ANY EXISTING GRASSED AREAS BEYOND THE ABOVE STATED LIMITS THAT ARE DAMAGED AS A RESULT OF CONSTRUCTION OPERATIONS SHALL BE RESODDED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S SOLE EXPENSE.
E-11 COST OF WATERING AND FERTILIZING SHALL BE INCLUDED. FERTILIZERS SHALL BE 10-20-10 AND SHALL BE APPLIED AT THE RATE OF 1.5 LBS PER 10 SQ YDS. FERTILIZER SHALL BE APPLIED PER SECTION 230.04H OF ODOT STANDARD SPECIFICATIONS. WATERING SHALL BE APPLIED AS NECESSARY UNTIL VEGETATION IS ESTABLISHED OR UNTIL THE WORK IS ACCEPTED AS COMPLETE.

S-1 TYPE A AGGREGATE BASE WAS ESTIMATED TO BE USED AS THE BASE MATERIAL FOR 90% OF THE PATCHING. QUICK SET FLOWABLE FILL WAS ESTIMATED TO BE USED AS THE BASE MATERIAL FOR 10% OF THE PATCHING. ACTUAL QUANTITIES TO BE DETERMINED BY THE ENGINEER.
S-2 INCLUDES COMPACTION OF AGGREGATE TO 98% AASHTO T180 MODIFIED PROCTOR.
S-3 SEPARATOR FABRIC SHALL BE USED AT ALL PAVEMENT PATCHES AND RECONSTRUCTION SECTIONS. THE SEPARATOR FABRIC SHALL BE CUT AND OVERLAPPED A MINIMUM OF 2 FT AT ALL EDGES OF THE REPAIR.
S-4 NOT USED
S-5 NOT USED
S-6 NOT USED
S-7 NOT USED
S-8 NOT USED
S-9 THIS ITEM INCLUDES ALL COSTS ASSOCIATED WITH COLD MILLING AND TO PROVIDE BUTT JOINTS AS REQUIRED. NO ADDITIONAL PAYMENT SHALL BE MADE FOR COLD MILLING BEYOND THE AVERAGE DEPTH SHOWN ON THE TYPICAL SECTIONS.
S-10 FOR P.C. CONCRETE TYPICAL SECTIONS, CONTRACTOR MAY SUBSTITUTE INTEGRAL CURB FOR CURB & GUTTER, AND VICE VERSA, ONLY WITH APPROVAL OF THE ENGINEER, WITH NO ADJUSTMENT MADE TO UNIT PRICE OR QUANTITY.
S-11 CONCRETE PAVEMENT SHALL BE COMPLETE IN PLACE. NO PARTIAL OR FINAL PAYMENT SHALL BE MADE UNTIL PAVEMENT HAS BEEN SAWED AND SEALED. ANY SECTIONS OF PAVEMENT WITH UNAPPROVED DEVIATIONS FROM THE JOINT LAYOUT PROVIDED IN THE PLANS MAY BE REJECTED AT THE DISCRETION OF THE ENGINEER.
S-12 THE USE OF FLY-ASH IN CONCRETE IS PROHIBITED.
S-13 INCLUDES ALL COST OF SAWED JOINTS AND SEALING OF ALL JOINTS INCLUDING LONGITUDINAL JOINTS.
S-14 NOT USED
S-15 THIS ITEM SHALL BE MEASURED AS THE ACTUAL AMOUNT OF CURB AND/OR GUTTER INSTALLED. NO PAYMENT WILL BE MADE FOR CURB AND/OR GUTTER THROUGH DRIVEWAYS AND INLETS.
S-16 CURB, GUTTER, AND/OR SIDEWALK ASSOCIATED WITH THE DRIVEWAY AND THROUGH THE DRIVEWAY IS INCLUDED IN THE COST OF THE DRIVEWAY.
S-17 ONE SIDEWALK PANEL ON EACH SIDE OF DRIVEWAYS SHALL BE A MINIMUM OF 6" THICK OR MATCH EXISTING DRIVEWAY THICKNESS, WHICHEVER IS GREATER. NO ADDITIONAL PAYMENT SHALL BE MADE FOR THE COST OF THE THICKENED SIDEWALK THROUGH THIS AREA.
S-18 NOT USED
S-19 NOT USED
S-20 NOT USED
S-21 NOT USED
S-22 REMOVE AC PAVEMENT ON CONCRETE DRIVEWAYS APRONS AND GUTTERS DURING EDGE MILLING AND COLD MILLING OPERATIONS.
S-23 NOT USED
G-1 LOCATIONS TO BE DETERMINED IN THE FIELD AND WORK TO BE PERFORMED AT THE DIRECTION OF THE FIELD ENGINEER. QUANTITY IS ESTIMATED AND MAY BE OMITTED IN ITS ENTIRETY.
G-2 MAXIMUM OVERALL DOLLAR AMOUNT AND SCHEDULE OF PAYMENTS SHALL BE IN ACCORDANCE SECTION 641 OF THE OKLAHOMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, CURRENT EDITION. EXCLUDES MOBILIZATION FOR WATERLINE WORK.
G-3 CONSTRUCTION STAKING SHALL INCLUDE SURVEYING AND THE FURNISHING, PLACING, AND MAINTAINING OF THE CONSTRUCTION LAYOUT STAKES NECESSARY FOR THE PROPER COMPLETION AND INSPECTION OF THE ENTIRE PROJECT.

G-4 THE COST TO REPLACE REMOVED OR DAMAGED SECTION CORNERS AND ALL OTHER PERMANENT RIGHT OF WAY MARKERS SHALL BE INCLUDED IN THE PRICE BID FOR THIS ITEM. NO ADDITIONAL PAYMENT WILL BE MADE.
G-5 CONTRACTOR SHALL REPAIR ANY IRRIGATION SYSTEMS DAMAGED OR REQUIRING RELOCATION DURING THE CONSTRUCTION OF THIS PROJECT TO THE SATISFACTION OF THE PROPERTY OWNER AND CITY ARBORIST. COST SHALL BE INCLUDED IN THE PRICE BID.
G-6 ALL HOUSE NUMBERS SHALL BE REPLACED/ REESTABLISHED THROUGHOUT PROJECT LIMITS. COST TO BE INCLUDED IN URBAN RIGHT OF WAY RESTORATION. CONTRACTOR SHALL REESTABLISH DRAINS, ROOF DRAINS AND OTHER DRAINAGE THROUGH THE CURBS IN ACCORDANCE WITH CITY OF TULSA STANDARD 758. NO NEW CURB OUTLETS SHALL BE CONSTRUCTED WITHOUT APPROVAL OF THE ENGINEER.
G-7 AN INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA) CERTIFIED ARBORIST SHALL OVERSEE ALL PLANTINGS AND/OR REMOVAL OF TREES. CONTACT CITY ARBORIST TO ACCEPT FINAL PLANTINGS.
CONTACT #: 918-596-2548
G-8 TREE GRATES ARE NOT ACCEPTABLE PER CITY ARBORIST. CONCRETE PAVERS ARE TO BE USED AS NECESSARY AROUND TREES.
G-9 CONTRACTOR SHALL COORDINATE WITH HOMEOWNERS TO RESET ALL PAVERS, LANDSCAPE STONE, PRIVATE SIDEWALKS AND FENCES THAT ARE DISTURBED DURING CONSTRUCTION OPERATIONS. ALL MATERIALS, LABOR, AND EQUIPMENT REQUIRED FOR RESETTING OF SUCH ITEMS IS TO BE INCLUDED IN PRICE BID FOR URBAN RIGHT OF WAY RESTORATION.
G-10 PAY ITEM INCLUDES ALL MOWING WITHIN THE RIGHT-OF-WAY AS DIRECTED DURING CONSTRUCTION.
R-1 WASTE MATERIAL TO BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE IN A MANNER APPROVED BY THE ENGINEER.
R-2 ALL SAW CUTTING AND REMOVAL SHALL BE INCLUDED IN THE COST OF THE ITEM TO BE ADJUSTED, REMOVED, REPAIRED, OR REPLACED.
R-3 NOT USED
R-4 NOT USED
R-5 ITEMS TO BE REMOVED MAY OR MAY NOT BE PRESENT IN ANY SPECIFIED CONDITION.
R-6 SHALL INCLUDE ALL COSTS ASSOCIATED WITH PLUGGING/ PATCHING HOLES IN EXISTING STRUCTURES TO REMAIN.
D-1 THIS ITEM SHALL INCLUDE THE COST OF NEW MANHOLE FRAME AND COVER PER CITY OF TULSA STD NOS.752, 753, 754, 761, 762, 769A, 769B AND 775.
D-2 THE TOTAL COST FOR RUBBERIZED ASPHALT AND/OR SILICONE AT MANHOLES, VALVE BOXES, INLETS, AND INLET APRONS, SHALL BE INCLUDED.
D-3 NO MASONRY STRUCTURES SHALL BE CONSTRUCTED WITHIN THE RIGHT OF WAY.
D-4 ADDITIONAL DEPTH IN A MANHOLE SHALL BE MEASURED FROM 6FT AS MEASURED FROM THE TOP OF RIM TO THE LOWEST FLOWLINE.
D-5 ALL MANHOLES SHALL BE COMPLETE IN PLACE. THIS PAY ITEM INCLUDES FRAME, COVER, CONCRETE AND ALL OTHER INCIDENTALS REQUIRED FOR PLACEMENT. SANITARY MANHOLES SHALL MEET THE REQUIREMENTS OF PART 418 OF THE COT SPECIFICATIONS.
D-6 ALL SANITARY AND STORM SEWER MANHOLE CASTINGS AND LIDS THAT ARE LOCATED IN THE STREET AND ARE DISTURBED BY THE CONTRACTOR SHALL BE REPLACED WITH NEW LIDS AND CASTINGS AND THE OLD ONES SHALL BE SALVAGED AND DELIVERED TO THE METAL RECYCLE BINS IN THE STOCKROOM AREA AT SEWER OPERATIONS AND MAINTENANCE, 9319 E. 42ND STREET NORTH, BETWEEN THE HOURS OF 7:30 AM AND 3:00 PM MONDAY THROUGH FRIDAY.
D-7 INCLUDES THE COST REQUIRED TO MAKE CONNECTION AND REMOVAL OF EXISTING INLETS. THE COST OF PC CONCRETE CURB AND GUTTER THROUGH THE INLET, 5' EACH SIDE OF THE INLET, AND THE PC CONCRETE INLET APRON SHALL BE INCLUDED. GRATE AND FLOWLINE ELEVATIONS SHALL MATCH EXISTING CONDITIONS UNLESS OTHERWISE NOTED IN THE PLANS.
D-8 QUICKSET FLOWABLE FILL SHALL BE USED TO BACKFILL AROUND STREET CURB INLETS AND REINFORCED CONCRETE PIPE, AS NEEDED, AT THE DIRECTION OF THE ENGINEER.
D-9 ALL INLETS, COMPLETE IN PLACE, SHALL BE CAST IN PLACE CONCRETE OR PRECAST CONCRETE. THIS PAY ITEM INCLUDES ANY INLET FRAME(S), GRATE(S), HOOD(S) AND CONCRETE REQUIRED FOR COMPLETE INSTALLATION OF STRUCTURE PER THE CONSTRUCTION DOCUMENTS.
D-10 ADDITIONAL DEPTH QUANTITIES SHALL BE MEASURED AND PAID FOR ALL INLETS EXCEEDING STANDARD DEPTH. STANDARD DEPTHS ARE AS FOLLOWS:

A) CAST IRON CURB INLET: 3.71 VF, MEASURED FROM CENTER ELEVATION OF LOWEST CAST IRON CURB TO FLOWLINE OF OUTLET PIPE.
B) RECESSED CURB INLET: 3.00 VF, MEASURED FROM TOP OF SLAB TO FLOWLINE OF OUTLET PIPE.
C) STANDARD DROP INLET: SEE STANDARD DETAILS 770, 771, 772 AND 773 - VARIES BASED ON PIPE SIZE, MEASURED FROM LOWEST ELEVATION OF INFLOW APRON TO FLOWLINE OF OUTLET PIPE.

D-11 NOT USED
D-12 REINFORCED CONCRETE PIPE TO BE CLASS III. ALL REINFORCED CONCRETE PIPE AND MANHOLES TO BE SUPPLIED WITH AN OMNI-FLEX JOINT GASKET OR APPROVED EQUAL. MASTIC JOINT SEALANT SHALL NOT BE ALLOWED.
D-13 THIS PAY ITEM SHALL BE COMPLETE IN PLACE AND SHALL INCLUDE ALL PIPE, STANDARD BEDDING MATERIAL AND TRENCH EXCAVATION, JOINT GASKETS AND ALL OTHER INCIDENTALS. NO ADDITIONAL COST WILL BE MADE. PRIOR TO ACCEPTANCE, INTERIOR OF PIPE SHALL BE INSPECTED FOR DEFECTS USING SELF-PROPELLED MOBILE CLOSED-CIRCUIT CAMERA SYSTEM.
D-14 NOT USED
D-15 NOT USED
T-1 ALL TRAFFIC MATERIALS REMOVED SHALL BE HANDLED PER COT SPECIFICATION 625 REMOVAL OF TRAFFIC ITEMS
T-2 REFLECTORIZED SHEETING ON SIGNS AND BARRICADES SHALL BE OF A CUBIC PRISMATIC TYPE AND SHALL MEET THE SPECIFICATIONS ESTABLISHED FOR ASTM D 4956-01 TYPE IX RETROREFLECTIVE SHEETING. REFLECTORIZED SHEETING ON DRUMS AND TUBE CHANNELIZERS SHALL BE OF A HIGH-INTENSITY TYPE AND SHALL MEET THE SPECIFICATIONS ESTABLISHED FOR ASTM D 4956-01 TYPE III RETROREFLECTIVE SHEETING.
T-3 ALL PLASTIC PAVEMENT MARKINGS SHALL BE:
EXTRUDED-APPLIED THERMOPLASTIC (USE ON ASPHALT PAVEMENT AND CONCRETE PAVEMENT). THERMOPLASTIC PAVEMENT MARKINGS SHALL ONLY BE APPLIED WHEN THE SURFACE TEMPERATURE EXCEEDS 55°F FOR ALL OF THE SIX HOURS PRIOR TO INSTALLATION AND MAXIMUM WIND GUSTS ARE BELOW 15 MPH AT THE TIME OF APPLICATION. PRICE BID TO INCLUDE FLEX TABS OR LIKE KIND FOR POST CONSTRUCTION LANE MARKING/SEPARATION. MECHANICALLY APPLIED PREFORMED PLASTIC TAPE ("COLD TAPE") WILL NOT BE ACCEPTED.
T-4 PAYMENT SHALL BE MADE ON A SIGN-DAY BASIS ONLY FOR TRAFFIC CONTROL DEVICES THAT ARE PROPERLY INSTALLED AND IN GOOD WORKING ORDER. COSTS FOR DELIVERY, INSTALLATION, RELOCATION, MAINTENANCE REMOVAL AND REPLACEMENT, AS NEEDED AT THE DISCRETION OF THE ENGINEER, INCLUDED IN UNIT PRICE BID.
T-5 IF WARNING LIGHTS ARE TO BE USED ON TRAFFIC CONTROL DEVICES, TYPE "A" LIGHTS SHALL ONLY BE USED ON DEVICES WARNING OF UNEXPECTED HAZARDS, AND SHALL NOT BE USED FOR DELINEATION OF THE TRAVELED WAY. ONLY TYPE "C" WARNING LIGHTS SHALL BE USED FOR DELINEATION OF THE TRAVELED WAY, AND TYPE "C" LIGHTS SHALL NOT BE USED FOR ANY OTHER PURPOSE.
T-6 THE PAY ITEM FOR FLAGGER SHALL BE PAID FOR ON A FLAG DAY (F.D.) BASIS. ONE F.D. IS ONE COMPLETE WORKDAY AS PERFORMED BY THE CONTRACTOR SET FORTH IN THE CONTRACT DOCUMENTS AND SPECIFICATIONS.
T-7 PRICE BID FOR THIS ITEM INCLUDES INSTALLATION, MAINTENANCE AND SUBSEQUENT REMOVAL OF PROJECT SIGN.

SP-1 ALL STEEL REINFORCEMENT, UNLESS OTHERWISE NOTED, SHALL BE COATED WITH A RED OXIDE COATING, INCLUDING THE ENDS, TO PROVIDE RUST PROTECTION. ALL BARS SHALL BE THOROUGHLY CLEANED FREE OF ANY DIRT, RUST OR DELETERIOUS MATERIAL PRIOR TO PLACEMENT . LOAD TRANSFER UNITS (LTU) FOR DOWEL JOINTED PAVEMENT SHALL BE EPOXY COATED PER THE CURRENT ODOT STANDARD (LTU-5).

(version: 11/14/2018)

PAY NOTES

CBD STREET REHABILITATION
4TH ST./LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: NA
PROFILE SCALE: NA
HORIZONTAL: NA
VERTICAL NA

DRAWN	POE	1/2023	APPROVED:
DESIGNED	POE	1/2023	
SURVEY			
PROJ. MGR.		5-25	
LEAD ENGR.			
FIELD MGR.			
RECOMMENDED: HAS 5-25 DESIGN MANAGER			CITY ENGINEER

FILE: 303913-03-PAY QUANTITY.DGN
DATE: 6/9/2025
ATLAS PAGE NO: 1,8
SHEET 3 OF 63 SHEETS

LICENSED PROFESSIONAL ENGINEER
REMINGTON S. MADDOX
2
OKLAHOMA
5-5-25

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GENERAL CONSTRUCTION NOTES (version: 11/14/2018)

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE 2019 OKLAHOMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AS ADOPTED BY C.O.T. AND THE CURRENT CITY OF TULSA PUBLIC WORKS DEPARTMENT'S STANDARD SPECIFICATIONS AND STANDARD DETAILS AND STANDARD DRAWINGS AND CITY OF TULSA SPECIAL PROVISIONS.

2. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL LAWS GOVERNING SAFETY, HEALTH AND SANITATION. THE CONTRACTOR SHALL PROVIDE ALL SAFEGUARDS, SAFETY DEVICES AND PROTECTIVE EQUIPMENT, AND TAKE ANY OTHER NEEDED ACTION ON AS HIS OWN RESPONSIBILITY OR AS THE ENGINEER MAY DETERMINE REASONABLY NECESSARY TO PROTECT PROPERTY IN CONNECTION WITH THE PERFORMANCE OF WORK COVERED BY THE CONTRACT.

3. PAY ITEMS SHALL BE AS SPECIFIED ON THE CITY OF TULSA OR ON THE ODOT STANDARD DRAWINGS EXCEPT AS MODIFIED BY THE CONTRACT.

4. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK IN EACH AREA. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT RESULT FROM HIS FAILURE TO LOCATE AND PRESERVE ANY AND ALL UTILITIES.

5. THE LOCATIONS OF THE UTILITIES ARE SHOWN ACCORDING TO ALL AVAILABLE INFORMATION. THE CONTRACTOR SHALL NOTIFY EACH UTILITY OWNER PRIOR TO COMMENCEMENT OF WORK TO VERIFY BOTH HORIZONTAL AND VERTICAL LOCATIONS. THE FOLLOWING IS A LIST OF UTILITY OWNERS; AT&T, PUBLIC SERVICE COMPANY OF OKLAHOMA (AEP), OKLAHOMA NATURAL GAS (ONG), COX COMMUNICATIONS, MCI/VERIZON, EASYTEL COMMUNICATIONS, WELLSCO VALLOR TELECOM, CITY OF TULSA-WATER AND SEWER, CITY OF TULSA-TRAFFIC OPERATIONS. SEE TITLE SHEET FOR CONTACT INFORMATION.

6. THE CONTRACTOR SHALL GIVE THE NOTIFICATION CENTER OF OKLAHOMA ONE-CALL SYSTEM, INC. NOTICE OF ANY EXCAVATION NO SOONER THAN TEN DAYS NOR LATER THAN 48 HOURS , EXCLUDING SATURDAYS, SUNDAYS AND LEGAL HOLIDAYS, PRIOR TO THE COMMENCEMENT OF WORK. PHONE 1-800-522-6543.

7. THE CONTRACTOR SHALL TAKE REASONABLE PRECAUTIONS TO PREVENT EXCESS MOISTURE FROM INCLEMENT WEATHER OR OTHER SOURCES FROM ENTERING ANY STREET EXCAVATION. IF EXCESS MOISTURE DOES ENTER THE EXCAVATION THROUGH THE NEGLIGENCE OF THE CONTRACTOR AND THE ADJOINING PAVEMENT IS ADVERSELY EFFECTED BY THE EXCESS MOISTURE, THE CONTRACTOR SHALL REPLACE THE ADJOINING PAVEMENT AND SUBBASE AT HIS SOLE EXPENSE.

8. THE CONTRACTOR SHALL PRESERVE THE INTEGRITY OF THE SANITARY SEWER STRUCTURES AND ALL OTHER UTILITY STRUCTURES WITHIN THE PROJECT EXTENTS.

9. THE CONTRACTOR SHALL WORK IN COOPERATION WITH THE CITY OF TULSA TO ESTABLISH, INSTALL, MAINTAIN, AND OPERATE COMPLETE, ADEQUATE, AND SAFE TRAFFIC CONTROLS DURING THE ENTIRE CONSTRUCTION PERIOD. ALL FLAGMEN, BARRICADES, AND TRAFFIC CONTROL DEVICES SHALL BE APPROVED BY THE FIELD ENGINEERING REPRESENTATIVE.

10. CONSTRUCTION SIGNAGE WILL BE INSTALLED IN A MANNER APPROVED BY THE ENGINEER, IN ACCORDANCE WITH CHAPTER VI OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT ADDITION, AND APPLICABLE ODOT STANDARD DRAWINGS. THE CONTRACTOR SHALL PROVIDE A PROPOSED TRAFFIC CONTROL PLAN FOR APPROVAL BY THE ENGINEER PRIOR TO BEGINNING WORK.

11. THE CONTRACTOR SHALL NOTIFY THE CITY OF TULSA FIELD ENGINEERING, 918-596-9404, A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK OR PRIOR TO REMOVING TRAFFIC SIGNS.

12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ALL EXISTING TRAFFIC SIGNS AND MARKINGS REMOVED OR DAMAGED AS LISTED IN THE SIGNAGE SCHEDULE FOR THE PROJECT. ALL SIGNS AND POLES PROVIDED SHALL BE NEW AND UNDAMAGED AND SHALL MEET THE REQUIREMENTS OF COT SPECIFICATION 608 TRAFFIC SIGNS. ALL TRAFFIC MATERIALS REMOVED SHALL BE HANDLED PER COT SPECIFICATION 625 REMOVAL OF TRAFFIC ITEMS.

13. THE CONTRACTOR WILL BE RESPONSIBLE FOR PREPARATION AND DISTRIBUTION OF A WRITTEN NOTICE TO RESIDENTS 48 HOURS PRIOR TO BEGINNING PAVEMENT REMOVAL AND MILLING AND OVERLAY OPERATIONS.

14. LOCAL AND THROUGH TRAFFIC SHALL BE MAINTAINED THROUGH THE PROJECT AT ALL TIMES.

15. ALL PUBLIC AND PRIVATE STREETS AND DRIVES SHALL BE ACCESSIBLE AT ALL TIMES.

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

17. 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 CITY. 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.

18. ALL TREES, BRUSH AND OTHER DEBRIS THAT MIGHT INTERFERE WITH THE FLOW OF WATER IS TO BE CLEANED OUT TO THE RIGHT-OF-WAY LINE IN A MANNER APPROVED BY THE ENGINEER. ALL COST TO BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF WORK. TREES OUTSIDE THE FILL SLOPES AND THE TOP OF CUT SLOPES SHALL NOT BE DISTURBED EXCEPT WITH THE WRITTEN APPROVAL OF THE ENGINEER.

19. WHERE MATERIALS ARE TRANSPORTED IN THE PROSECUTION OF WORK, VEHICLES SHALL NOT BE LOADED BEYOND THE CAPACITY RECOMMENDED BY THE VEHICLE MANUFACTURER OR AS PRESCRIBED BY ANY FEDERAL, STATE OR LOCAL LAW OR REGULATION.

20. ANY DAMAGE TO THE ROADWAY PAVEMENT, CURB, DRIVEWAYS OR SIDEWALK CAUSED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED TO THE ENGINEER'S SATISFACTION AND SHALL BE ACCOMPLISHED AT THE CONTRACTOR'S SOLE EXPENSE. ALL DISTURBED ITEMS SHALL BE REPAIRED TO MATCH EXISTING MATERIALS AND PATTERNING.

21. IF THE CONTRACTOR ENCOUNTERS VOIDS WHEN PATCHING STREETS, THE CONTRACTOR SHALL CALL FIELD ENGINEERING AT 918-596-9508 FOR AN INSPECTION BEFORE PROCEEDING WITH WORK.

22. THE PROJECT SHALL BE CONSTRUCTED WITH CONTINUOUS FLOW OF MATERIAL SUPPLIED TO THE PROJECT SUCH THAT THE LAYDOWN MACHINE WILL REMAIN IN MOTION. ANY DELAY IN FORWARD PROGRESSION OF THE LAYDOWN MACHINE MAY REQUIRE A TRANSVERSE JOINT AS DIRECTED BY THE ENGINEER.

23. NO FLY ASH IS ALLOWED TO BE USED ON THIS PROJECT.

24. PHYSICAL TESTING FOR QUALITY ASSURANCE SHALL BE FURNISHED BY THE CITY.

25. CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY QUALITY CONTROL TESTING TO ENSURE THAT PROJECT REQUIREMENTS ARE MET.

26. MASONRY STRUCTURES SHALL NOT BE CONSTRUCTED WITHIN THE STREET RIGHT-OF-WAY.

27. ALL CONCRETE CURB AND GUTTERS SHALL BE MONOLITHIC POURS. DOWELED-ON CURBS WILL NOT BE ALLOWED.

28. NO LIFTING HOLES WILL BE ALLOWED ON ANY REINFORCED CONCRETE PIPES OR REINFORCED CONCRETE BOXES.

29. CURB RAMP CONSTRUCTION SHALL COMPLY WITH THE CURRENT AMERICANS WITH DISABILITIES ACT STANDARDS.

30. REFLECTORIZED SHEETING ON SIGNS AND BARRICADES SHALL BE OF A CUBIC PRISMATIC TYPE AND SHALL MEET THE SPECIFICATIONS ESTABLISHED FOR ASTM D 4956-01 TYPE IX RETROREFLECTIVE SHEETING. REFLECTORIZED SHEETING ON DRUMS AND TUBE CHANNELIZERS SHALL BE OF A HIGH-INTENSITY TYPE AND SHALL MEET THE SPECIFICATIONS ESTABLISHED FOR ASTM D 4956-01 TYPE III RETROREFLECTIVE SHEETING.

31. ALL SANITARY AND STORM SEWER MANHOLE CASTINGS AND LIDS THAT ARE LOCATED IN THE STREET AND ARE DISTURBED BY THE CONTRACTOR SHALL BE REPLACED WITH NEW LIDS AND CASTINGS AND THE OLD ONES SHALL BE SALVAGED AND DELIVERED TO THE METAL RECYCLE BINS IN THE STOCKROOM AREA AT SEWER OPERATIONS AND MAINTENANCE, 9319 E. 42ND STREET NORTH, BETWEEN THE HOURS OF 7:30 AM AND 3:00 PM MONDAY THROUGH FRIDAY.

32. THE SIGN PLACEMENT STATIONING AND LOCATIONS SHOWN ON THE PLAN SHEETS AND SUMMARY SHEETS ARE APPROXIMATE. EXACT STATIONING AND LOCATIONS SHALL BE VERIFIED BY THE CONTRACTOR SO THAT THE SIGN IS INSTALLED IN ACCORDANCE WITH CITY OF TULSA STANDARDS, CURRENT AMERICANS WITH DISABILITIES ACT STANDARDS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES IN ORDER TO PROVIDE OPTIMUM VISIBILITY TO THE ONCOMING/APPROACHING MOTORIST. IF A PROPOSED LOCATION CONFLICTS WITH OTHER SIGNS, UTILITIES, OR OTHER ROADWAY FEATURES, THE ENGINEER SHALL BE NOTIFIED.

33. POST LENGTHS SHOWN ON SIGN SUMMARY ARE APPROXIMATE. EXACT LENGTHS SHALL BE DETERMINED BY A FIELD SURVEY CONDUCTED BY THE CONTRACTOR.

34. ALL ASPHALT STREETS THAT ARE TO BE RECONSTRUCTED SHALL BE LEFT WITH A DRIVABLE SURFACE AT ALL TIMES. THE CONTRACTOR WILL NOT BE ALLOWED TO MILL OFF ALL THE ASPHALT BEFORE EXCAVATION BEGINS.

35. THE CONTRACTOR SHALL REPLACE ANY SECTION CORNERS OR OTHER PERMANENT RIGHT OF WAY MARKERS REMOVED OR DISTURBED AS A RESULT OF THE CONSTRUCTION OF THIS PROJECT. REPLACEMENT OF SECTION CORNERS OR ANY OTHER MONUMENTS SHALL BE PERFORMED BY A LICENSED LAND SURVEYOR AUTHORIZED TO PERFORM WORK IN THE STATE OF OKLAHOMA.

36. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL AND MAINTENANCE OF THE STORMWATER DRAINAGE. STORMWATER PONDING ON THE CONSTRUCTION SITE THAT IS THE RESULT OF CONSTRUCTION WILL NOT BE ALLOWED.

37. STRAW OR HAY BALES AS STORMWATER BEST MANAGEMENT PRACTICES ARE NO LONGER ALLOWED ON CONSTRUCTION PROJECTS.

38. THE CONTRACTOR MUST CALL 1-800-458-4251 IMMEDIATELY IF A NATURAL GAS PIPELINE IS CUT, DAMAGED, OR OTHERWISE DISTURBED.

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

40. ALL FEATURES OF THIS PROJECT INCLUDING, BUT NOT LIMITED TO, SIDEWALKS, CURB RAMPS, AND CROSSWALKS SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT, ACCESSIBILITY GUIDELINES, AND THE PROPOSED ACCESSIBILITY GUIDELINES FOR PEDESTRIAN FACILITIES IN THE PUBLIC RIGHT-OF-WAY, PUBLISHED ON AUGUST 8, 2023 BY THE U.S. ACCESS BOARD. WHERE SPATIAL LIMITATIONS OR EXISTING FEATURES WITHIN THE LIMITS OF THE PROJECT PREVENT FULL COMPLIANCE WITH THIS ACT, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER UPON DISCOVERY OF SUCH FEATURES. THE CONTACTOR SHALL NOT PROCEED WITH ANY ASPECT OF THE WORK, WHICH IS NOT IN FULL COMPLIANCE WITH THE ADA WITHOUR PRIOR WRITTEN APPROVAL FROM THE ENGINEER. ANY WORK WHICH IS NOT PERFORMED WITHIN THE GUIDELINES OF THE ADA, FOR WHICH THE CONTRACTOR DOES NOT HAVE WRITTEN APPROVAL, SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.

41. ALL TRENCH WIDTHS & BEDDING MATERIAL SHALL BE AS SHOWN ON COT STANDARD PIPE BEDDING DETAIL, STANDARD NO. 751. SPECIFIED TRENCH WIDTHS SHALL BE MAINTAINED FULL DEPTH FROM THE FLOWLINE TO THE GRADING TEMPLATE. THE CONTRACTOR SHALL KEEP THE OPEN TRENCH DRAINED.

42. THE CONTRACTOR SHALL NOTIFY THE METROLINK (MTTA), ERIC SMITH 918-830-0024, A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK, LANE CLOSURES OR PRIOR TO DETOURING TRAFFIC.

43. CONTRACTOR SHALL NOT STORE EQUIPMENT OR MATERIALS IN THE FLOODPLAIN.

LICENSED PROFESSIONAL ENGINEER
REMINGTON S. MADDOX 29
OKLAHOMA
5-5-25

REVISION	BY	DATE

GENERAL CONSTRUCTION NOTES

CBD STREET REHABILITATION
4TH ST./LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: NA	DRAWN	POE	1/2023	APPROVED:
	DESIGNED	POE	1/2023	
	SURVEY			
PROFILE SCALE:	PROJ. MGR.	RMD	5-25	
	LEAD ENGR.	DD	5/25	
HORIZONTAL: NA	FIELD MGR.			
VERTICAL NA	RECOMMENDED:	HAS 5-25		
	DESIGN MANAGER			CITY ENGINEER

FILE: 303913-03-PAY QUANTITY.DGN — DATE: 6/9/2025
ATLAS PAGE NO: 1,8 — SHEET 4 OF 63 SHEETS

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SUMMARY OF WATER LINE QUANTITIES

WATERLINE BASE BID

ITEM	SPEC. NO.	ITEM DESCRIPTION	PAY ITEM NOTES	UNIT	QUANTITY
69	COT 301	RIGHT-OF-WAY CLEARING AND RESTORING, COMPLETE IN PLACE	4 5 6 7 22	SY	465
70	COT 302	EXCAVATION AND BACKFILL, UNCLASSIFIED	14	CY	622
71	COT 304	CONSTRUCTION STAKING		EA	1
72	COT 307(A)	6 INCH DIP, CL 50 POLYETHYLENE WRAPPED, (RJ)	1 2 3 8 9 11 27 28	LF	163
73	COT 307(B)	6 INCH DIP, CL 50 POLYETHYLENE WRAPPED	1 2 3 9 11 27 28	LF	245
74	COT 307(C)	8 INCH DIP, CL 50 POLYETHYLENE WRAPPED, (RJ)	1 2 3 8 9 11 27 28	LF	143
75	COT 307(D)	8 INCH DIP, CL 50 POLYETHYLENE WRAPPED	1 2 3 9 11 27 28	LF	88
76	COT 307(E)	16 INCH DIP, CL 50 POLYETHYLENE WRAPPED, (RJ)	1 2 3 8 9 11 27 28	LF	664
77	COT 307(F)	16 INCH DIP, CL 50 POLYETHYLENE WRAPPED	1 2 3 9 11 27 28	LF	89
78	COT 312(A)	8 INCH DUCTILE IRON 22-1/2 DEGREE BEND (RJ)	2 8	EA	1
79	COT 312(B)	6 INCH DUCTILE IRON 45 DEGREE BEND (RJ)	2 8	EA	2
80	COT 312(C)	8 INCH DUCTILE IRON 45 DEGREE BEND (RJ)	2 8	EA	8
81	COT 312(D)	6 INCH X 6 INCH DUCTILE IRON TEE (RJ)	2 8	EA	2
82	COT 312(E)	8 INCH X 8 INCH DUCTILE IRON TEE (RJ)	2 8	EA	2
83	COT 312(F)	16 INCH X 8 INCH DUCTILE IRON TEE (RJ)	2 8	EA	2
84	COT 312(G)	16 INCH X 16 INCH DUCTILE IRON TEE (RJ)	2 8	EA	1
85	COT 312(H)	20 INCH X 16 INCH DUCTILE IRON TEE (RJ)	2 8	EA	1
86	COT 312(I)	6 INCH DUCTILE IRON SLEEVE (RJ)	2 8 12	EA	3
87	COT 312(J)	8 INCH DUCTILE IRON SLEEVE (RJ)	2 8 12	EA	3
88	COT 312(K)	16 INCH DUCTILE IRON SLEEVE (RJ)	2 8 12	EA	2
89	COT 312(L)	20 INCH DUCTILE IRON SLEEVE (RJ)	2 8 12	EA	2
90	COT 312(M)	6 INCH DUCTILE IRON PLUG (RJ)	2 8	EA	2
91	COT 312(N)	16 INCH DUCTILE IRON PLUG (RJ)	2 8	EA	1
92	COT 315 (A)	3/4" INCH WATER SERVICE CONNECTION (SHORT)	13 15 16 17	EA	1
93	COT 315 (B)	3/4" INCH WATER SERVICE CONNECTION (LONG)	13 15 16 17	EA	1
94	COT 315 (C)	3/4" INCH WATER SERVICE LINE EXTENSION	13 15 16 17	LF	100
95	COT 315 (D)	3/4" INCH WATER METER CAN, LID & RIM		EA	1
96	COT 315 (E)	1-1/2 INCH WATER SERVICE CONNECTION (SHORT)	13 15 16 17	EA	1
97	COT 315 (F)	1-1/2 INCH WATER SERVICE CONNECTION (LONG)	13 15 16 17	EA	1
98	COT 315 (G)	1-1/2 INCH WATER SERVICE LINE EXTENSION	13 15 16 17	LF	100
99	COT 315 (H)	1-1/2 INCH WATER METER CAN, LID & RIM		EA	1
100	COT 317(A)	6" GATE VALVE (RJ)	8	EA	5
101	COT 317(B)	8" GATE VALVE (RJ)	8	EA	4
102	COT 317(C)	16" GATE VALVE (RJ)	8	EA	6
103	COT 317(D)	20" GATE VALVE (RJ), LAY DOWN	8	EA	2
104	COT 317(E)	12 INCH FIRE HYDRANT EXTENSION		EA	1
105	COT 317(F)	3-WAY FIRE HYDRANT, IN PLACE		EA	1
106	COT 318(A)	VALVE BOX	21	EA	17
107	COT 318(B)	VALVE BOX EXTENSION	21	VF	17
108	COT 329(A)	PAVEMENT, REMOVAL AND REPLACEMENT (6" P.C.C. PAVEMENT)	30	SY	120
109	COT 329(B)	PAVEMENT, REMOVAL AND REPLACEMENT (CURB & GUTTER)		LF	10
110	COT 329(C)	SAWCUT		LF	300
111	COT 333 (A)	ABANDON 6" WATERLINE	5 9	LF	408
112	COT 333 (B)	ABANDON 16" WATERLINE	5 9	LF	753
113	COT 334	CONSTRUCTION AS-BUILT	24 25 27	EA	1
114	SPECIAL	OWNER ALLOWANCE	18	EA	10,000
115	COT 312-F	8 INCH X 6 INCH REDUCER	2 8	EA	1

version date: 1/30/25

PAY ITEM NOTES - WATERLINES

1. TESTING AND CHLORINATION OF WATER MAINS SHALL BE PERFORMED BY THE CITY OF TULSA. TESTING, CHLORINATION, AND FLUSHING SHALL BE DONE IN ACCORDANCE WITH SECTION 109.3 OF THE GENERAL SPECIFICATIONS.

A. CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY PLUGS WITH ADEQUATE BLOCKING OR RESTRAINTS, PLUS CORPORATION STOPS, AS DIRECTED BY CITY TESTING PERSONNEL. THEN, ONCE TESTING, CHLORINATION AND FLUSHING BY CITY PERSONNEL IS COMPLETED, REMOVE TEMPORARY BLOCKING AND TIE INTO EXISTING SYSTEM USING FITTINGS SWABBED INTERNALLY WITH 2% BLEACH SOLUTION.

B. TESTING, CHLORINATION, AND FLUSHING OF NEW WATER MAIN SHALL BE PERFORMED BY CITY PERSONNEL ON MAINS WHICH ARE PHYSICALLY DISCONNECTED FROM THE EXISTING WATER SYSTEM. TESTING, CHLORINATION, AND FLUSHING OF NEW WATER MAINS SHALL NOT BE PERFORMED AGAINST VALVES WHICH ARE PHYSICALLY CONNECTED TO THE EXISTING SYSTEM.

C. ALL COSTS FOR TEMPORARY PLUGS, BLOCKING, RESTRAINING, CORPORATION STOPS, TUBING, THREADED CONNECTIONS, BLEACH AND OTHER INCIDENTALS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR PIPE.

2. BURIED BOLTS, HARNESS LUGS, AND COUPLINGS SHALL BE GIVEN TWO COATS OF KOPPER'S BITUMASTIC 300-M (DRY MIL THICKNESS OF 16 MILS) OR EQUAL. COST TO BE INCLUDED IN UNIT PRICE BID FOR PIPE AND FITTINGS.

3. CONTRACTOR TO EXCAVATE ALL UTILITY CROSSINGS AHEAD OF PIPE LAYING SO THAT THE GRADES CAN BE ADJUSTED ON THE PROPOSED WATER MAIN TO AVOID UTILITY CONFLICTS. FAILURE TO DO SO SHALL NOT ENTITLE THE CONTRACTOR TO CLAIM EXTRA COMPENSATION FOR ADJUSTMENTS TO THE PROPOSED WATER MAIN. THE COST FOR EXCAVATING UTILITY CROSSINGS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR PIPE.

4. CONTRACTOR SHALL INSURE ALL POLES WHICH ARE AFFECTED BY TRENCHING CONDITIONS ARE BRACED BY OWNERS. PAYMENT SHALL BE INCLUDED IN "RIGHT-OF-WAY CLEARING AND RESTORING". NO ADDITIONAL PAYMENT SHALL BE MADE.

5. ALL HYDRANTS, VALVES AND OTHER FITTINGS FROM ABANDONED WATER MAINS SHALL BE SALVAGED AND DELIVERED TO THE SOUTH YARD AT 2317 S JACKSON AVE. PAYMENT TO BE MADE UNDER RIGHT OF WAY CLEARING AND RESTORING. NO ADDITIONAL PAYMENT SHALL BE MADE.

6. CONTRACTOR SHALL REPAIR ANY IRRIGATION SYSTEMS, ROOF DRAINS, AND FENCING DAMAGED IN THE ZONE OF CONSTRUCTION DURING THE COURSE OF CONSTRUCTION TO SATISFACTION OF THE PROPERTY OWNER. PAYMENT SHALL BE INCLUDED IN RIGHT-OF-WAY CLEARING AND RESTORING. NO ADDITIONAL PAYMENT SHALL BE MADE.

7. COST OF ANY TEMPORARY LIVESTOCK FENCING AND POLES SHALL BE INCLUDED IN COST OF RIGHT OF WAY CLEARING AND RESTORING. NO ADDITIONAL PAYMENT SHALL BE MADE.

8. ALL COSTS FOR COMPONENTS NECESSARY TO RESTRAIN JOINTS FOR PIPE AND FITTINGS DESIGNATED RESTRAINED JOINT ("RJ") SHALL BE INCLUDED IN UNIT PRICE BID FOR PIPE OR FITTINGS.

A. DUCTILE IRON PIPE RESTRAINED JOINT SYSTEMS: US PIPE TRFLEX, GRIFFIN SNAPLOK, MCWANE THRUSTLOCK, AMERICAN FLEXRING, EBAA MEGALUG, STAR STARGRIP, SMITH-BLAIR CAMLOCK, CLOW TUFGRIP OR EQUAL SHALL BE USED ON THIS PROJECT. SHOULD RJ PIPE BE SPECIFIED THROUGH UNCASED BORES, ONLY USPIPE TRFLEX, GRIFFIN SNAPLOK, MCWANE THRUSTLOCK, OR AMERICAN FLEXRING IS TO BE USED. LOCKING GASKETS NOT PERMITTED.

B. POLYVINYL CHLORIDE (PVC) RESTRAINED JOINT SYSTEMS: EBAA MEGALUG, STAR STARGRIP OR EQUAL SHALL BE USED ON THIS PROJECT. LOCKING GASKETS NOT PERMITTED; SHOULD RJ PIPE BE SPECIFIED ON BORE CASING IS REQUIRED.

C. HIGH DENSITY POLYETHYLENE (HDPE) RESTRAINED JOINT SYSTEMS: EBAA MEGALUG, STAR STARGRIP OR EQUAL SHALL BE USED ON THIS PROJECT.

NO ADDITIONAL PAYMENT SHALL BE MADE.

PAY ITEM NOTES - WATERLINES
(CONTINUED)

9. ALL CUT ENDS AND WHERE SALVAGED FITTINGS HAVE BEEN REMOVED FROM ABANDONED WATER LINES LEFT IN PLACE, SHALL BE PLUGGED WITH 24-IN OF CONCRETE INSIDE THE PIPE. COST OF CONCRETE PLUGGING TO BE INCLUDED IN THE UNIT PRICE BID FOR PIPE. NO ADDITIONAL PAYMENT SHALL BE MADE.

10. NOT USED

11. DETECTABLE MYLAR MARKING TAPE SHALL BE INSTALLED OVER DUCTILE IRON PIPE AS PER CONST SPEC 307.3 AND 307.4. COST WILL BE INCLUDED IN THE COST OF DUCTILE IRON PIPE.

12. ALL LABOR, MATERIALS, AND EQUIPMENT TO CONNECT PROPOSED WATER MAINS TO EXISTING WATER MAINS ARE INCLUDED IN THE COST OF PIPE. CONTRACTOR TO EXCAVATE ALL EXISTING WATER MAINS AHEAD OF PIPE LAYING SO THAT THE GRADES CAN BE ADJUSTED ACCORDINGLY. FAILURE TO DO SO SHALL NOT ENTITLE THE CONTRACTOR TO CLAIM EXTRA COMPENSATION FOR ADJUSTMENTS TO THE PROPOSED WATER MAIN. THE COST FOR EXCAVATING EXISTING WATER MAINS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR SLEEVES. NO ADDITIONAL PAYMENT SHALL BE MADE.

13. AT THE DIRECTION OF THE ENGINEER, CONTRACTOR SHALL FURNISH A "LICENSED AND BONDED PLUMBER", WHICH SHALL INCLUDE ALL COSTS OF LABOR, TOOLS, PERMIT FEES, AND EQUIPMENT TO REROUTE THE EXISTING CUSTOMER SERVICE ON CUSTOMER PROPERTY TO THE PROPOSED CUSTOMER METER CAN. COST SHALL NOT EXCEED AN ALLOWANCE OF $1000 PER OCCURRENCE. MATERIALS COSTS SHALL BE INCLUDED UNDER THE UNIT PRICE FOR WATER SERVICE CONNECTION AND/OR WATER SERVICE LINE EXTENSION. NO ADDITIONAL PAYMENT SHALL BE MADE.

14. CONTRACTOR IS REMINDED TO BACKFILL ALL TRENCHES EXCAVATED ACROSS ANY EXISTING OR PROPOSED DRIVING OR PARKING SURFACE WITH 1½-IN TYPE A AGGREGATE BASE, PLACED IN 8-INCH MAXIMUM LIFTS AND COMPACTED TO 98% MODIFIED PROCTOR DENSITY. COST TO BE INCLUDED IN THE UNIT PRICE FOR EXCAVATION AND BACKFILL. NO ADDITIONAL PAYMENT SHALL BE MADE.

15. WATER SERVICE CONNECTIONS SHALL INCLUDE COST OF MATERIAL, LABOR, AND EQUIPMENT TO REMOVE AND INSTALL SADDLES, SERVICE CLAMPS, CORPORATION STOPS, BENDS, 3-PART UNIONS, COUPLINGS, SETTERS AND ANY OTHER INCIDENTALS REQUIRED FOR A COMPLETE WATER SERVICE CONNECTION, WITH THE EXCEPTION OF METER CANS, RIMS AND LIDS. NO ADDITIONAL PAYMENT SHALL BE MADE. METER CANS, LIDS AND RIMS SHALL BE PAID AS A SEPARATE BID ITEM.

A. A SHORT SERVICE SHALL BE ANY SERVICE LINE THAT IS 25-FEET OR LESS IN LENGTH. SHORT SERVICES DO NOT INCLUDE PAVEMENT REPLACEMENT.

B. LONG SERVICE SHALL BE ANY SERVICE LINE THAT IS GREATER THAN 25-FEET UP TO 80-FEET IN LENGTH. LONG SERVICES INCLUDE PAVEMENT REPLACEMENT AND/ OR COST TO BORE.

C. SERVICE LINES EXCEEDING THE ABOVE PARAMETERS WILL BE COMPENSATED FOR LINEAR FOOTAGE ABOVE AND BEYOND. COMPENSATION SHALL BE PAID AS "SERVICE LINES, EXTENSION", PER LF

16. SERVICE LINES ON NON-ARTERIALS SHALL BE EITHER COPPER TUBING (TYPE K SOFT ANNEALED CONFORMING TO ASTM B 88) OR PEX TUBING (VIEGA PUREFLOW PEX BLUE 5306 OR UPONOR AQUA PEX 5206 BLUE CONFORMING TO ASTM F876/F877/F2023). PEX TUBING IS NOT PERMITTED WITHIN ARTERIAL RIGHT OF WAY. WHEN CONTRACTOR ELECTS TO USE PEX TUBING:

A. ¾-INCH WATER SERVICE CONNECTION SHALL USE 1-INCH PEX TUBING MINIMUM
B. 1-INCH WATER SERVICE CONNECTION SHALL USE 1¼-INCH PEX TUBING MINIMUM

17. CONTRACTOR'S PLUMBER SHALL PROVIDE AN INFORMATIONAL BROCHURE TO THE PROPERTY OWNERS OUTLINING THE STEPS REQUIRED TO THOROUGHLY FLUSH THEIR WATERLINES AFTER CONNECTION TO THE NEW WATER MAIN. ALL COSTS TO PRODUCE AND DISTRIBUTE THE BROCHURE SHALL BE INCLUDED IN THE PRICE BID FOR THIS ITEM.

GENERAL PAY ITEM NOTES - WATERLINES

ITEMS LISTED OR SHOWN ON DRAWINGS AND/ OR DESCRIBED IN THE SPECIFICATIONS THAT ARE NOT INCLUDED AS A SEPARATE PAY ITEM QUANTITY SHALL BE CONSIDERED INCIDENTAL AND THE COST SHALL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS. THE PRICE BID FOR ALL WORK SHALL INCLUDE ALL MATERIALS, EQUIPMENT, LABOR, INCIDENTALS, AND ALL OTHER REQUIRED ITEMS TO COMPLETE THE WORK AS SHOWN ON PLANS AND SPECIFICATIONS.

PAY ITEM NOTES - WATERLINES
(CONTINUED)

18. THE "OWNER ALLOWANCE" CAN BE USED FOR VARIOUS WORK AND MISCELLANEOUS ITEMS NOT IDENTIFIED IN THE CONTRACT DOCUMENTS WITH THE FOLLOWING PROVISIONS:

A. THE ALLOWANCE SHALL BE USED FOR THE COST OF MATERIALS, LABOR, INSTALLATION, OVERHEAD, AND PROFIT FOR ADDITIONAL WORK AND MISCELLANEOUS ITEMS THAT ARE NOT IDENTIFIED IN THE CONSTRUCTION DOCUMENTS AND PLANS, AND NOT INCLUDED IN THE BID ITEMS OF THE CONTRACT. EXAMPLES INCLUDE, BUT ARE NOT LIMITED TO:

I. WATER SERVICE LINES OF UNKNOWN OR UNEXPECTED SIZE.

B. THE ALLOWANCE SHALL BE USED ONLY AT THE DISCRETION OF THE CITY. ANY ALLOWANCE BALANCE REMAINING AT THE COMPLETION OF THE PROJECT WILL BE CREDITED BACK TO THE CITY ON THE FINAL APPLICATION FOR PAYMENT SUBMITTED BY THE CONTRACTOR.

C. THE CONTRACTOR SHALL PROVIDE, TO THE CITY, A WRITTEN REQUEST FOR THE USE OF ANY ALLOWANCE, WITH A SCHEDULE OF VALUES, AND ALL ASSOCIATED BACKUP INFORMATION, INCLUDING ANY TIME EXTENSIONS REQUIRED TO PERFORM THE WORK.

D. THE CONTRACTOR SHALL PROCEED WITH THE WORK INCLUDED IN THE ALLOWANCE ONLY AFTER RECEIVING A WRITTEN ORDER FROM THE ENGINEER AND CITY AUTHORIZING SUCH WORK. PROCEEDING WITH WORK IN THE ALLOWANCE WITHOUT A WRITTEN ORDER FROM THE CITY WILL BE AT THE CONTRACTOR'S EXPENSE.

19. NOT USED

20. NOT USED

21. TOP OF VALVE BOX SHALL BE FLUSH WITH FINISHED GRADE.

22. CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO A CONDITION EQUAL TO OR BETTER THAN EXISTING CONDITION. LIMITS OF DISTURBANCE SHALL NOT EXCEED 9-FEET CENTERED ON THE WATERLINE. ANY DISTURBANCE OUTSIDE OF THIS AREA SHALL BE RESTORED AT THE CONTRACTOR'S EXPENSE. STREETS, DRIVEWAYS AND ASSOCIATED ITEMS SHALL BE PAID FOR UNDER OTHER ITEMS OF WORK.

23. NOT USED

24. SPOT ELEVATIONS ON THE MAIN WATER LINE RELATIVE TO FINISHED GRADE SHALL BE PROVIDED AT EACH 100-FT INTERVAL, COMPLETE WITH STATION AND OFFSET. IN ADDITION, ALL VALVES, FITTINGS, FIRE HYDRANTS (TOP OF NUT) AND OTHER MAJOR APPURTENANT ITEMS SHALL BE SHOWN WITH THE PROPER DESCRIPTION, STATION, OFFSET (NORTHING, EASTING) AND ELEVATION PER PLAN SURVEY CONTROL DATUM.

25. SPOT ELEVATIONS ON WATER METER CANS, VAULTS, SHALL BE SHOWN WITH THE PROPER DESCRIPTION (METER TYPE, METER SIZE, METER NUMBER, SERVICE MATERIAL, SERVICE SIZE), STATION, OFFSET (NORTHING, EASTING) AND ELEVATION PER PLAN SURVEY CONTROL DATUM. UPON DISCOVERY OF A LEAD OR GALVANIZED SERVICE LINE, NOTIFICATION SHALL BE MADE TO WATER DISTRIBUTION AND WORK SHALL CEASE UNTIL RELEASED AT WHICH TIME ANY AND ALL SERVICE LINES LOCATED THAT ARE LEAD OR GALVANIZED ARE TO BE REPLACED WITH APPROVED MATERIALS.

26. NOT USED

27. PRESSURE TESTING AND CHLORINATION OF WATER MAINS SHALL NOT BE PERFORMED UNTIL THE CITY INSPECTOR HAS RECEIVED THE REQUIRED CONSTRUCTION AS-BUILT RECORDS.

28. MARKER BALLS SHALL BE INSTALLED ABOVE ALL FITTINGS, BLIND FLANGES, SERVICE TAPS AND EVERY 100 FEET IF THE DISTANCE BETWEEN FITTINGS IS GREATER THAN 100 FEET. THE COST OF MARKER BALLS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR PIPE. MARKERS SHALL BE VIVAX WATER MARKER BALLS OR EQUAL THAT WORK WITH THE VIVAX VLOC3 -PRO RECEIVER AND LOC3-10TX TRANSMITTER.

29. NOT USED

30. AGG BASE AND SUBGRADE, PER CITY STANDARD SPECIFICATIONS AND STANDARD DETAILS 701 - 702, SHALL BE PAID UNDER EXCAVATION AND BACKFILL.

31. NOT USED

32. NOT USED

33. NOT USED

34. NOT USED

35. NOT USED

LICENSED PROFESSIONAL ENGINEER
REMINGTON S. ADDOX
29
OKLAHOMA
5-5-25

WATERLINE CONSTRUCTION NOTES

1. THE CITY OF TULSA FIELD ENGINEERING DEPARTMENT SHALL INSPECT ALL TRENCHING, BEDDING, PIPE INSTALLATION, BACKFILL AND COMPACTION.

2. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CURRENT STANDARD SPECIFICATIONS AND STANDARD DETAILS OF THE CITY OF TULSA ENGINEERING SERVICES DEPARTMENT.

3. EXISTING SERVICE CONNECTIONS ARE TO BE KEPT IN SERVICE UNTIL CONNECTIONS TO NEW MAIN ARE MADE. ALL SERVICE LINE RECONNECTIONS SHALL BE MADE BY THE CONTRACTOR. SERVICE RECONNECTIONS SHALL BE INSTALLED AS PER CITY OF TULSA STANDARD SPECIFICATIONS AND STANDARD DETAILS.

4. MINIMUM COVER OVER WATER LINES SHALL BE AS NOTED ON THE PLANS.

5. CONTRACTOR SHALL REPLACE EXISTING GRASS WITH SEED/SOD OF THE SAME TYPE AND VARIETY OR AS NOTED ON PLANS.

6. CONTRACTOR SHALL BORE EXISTING TREES UNDER DRIP LINE, UNLESS DIRECTED OTHERWISE BY ENGINEER.

7. CONTRACTOR SHALL BORE EXISTING DRIVEWAYS, UNLESS DIRECTED OTHERWISE BY ENGINEER.

8. WATER OPERATIONS SHALL OPERATE ALL VALVES ON TRANSMISSION MAINS (16" AND LARGER). CONTRACTOR SHALL OPERATE ALL VALVES ON DISTRIBUTION MAINS (SMALLER THAN 16") WITH THE COORDINATION OF FIELD ENGINEERING AND WATER OPERATIONS AND IN THE PRESENCE OF A FIELD ENGINEERING INSPECTOR.

A. ATTEMPTS WILL BE MADE WITH ASSISTANCE FROM THE CONTRACTOR TO NOTIFY ALL AFFECTED CUSTOMERS 48 HOURS IN ADVANCE, PARTICULARLY IF COMMERCIAL OR INDUSTRIAL CUSTOMERS ARE INVOLVED. PRIOR TO SHUTDOWN, FIELD ENGINEERING WILL NOTIFY WATER OPERATIONS AT 918-596-9488, GIVING AN ESTIMATED DOWNTIME. WATER OPERATIONS WILL NOTIFY THE FIRE DEPARTMENT OF ALL FIRE HYDRANTS OUT OF SERVICE AND WHEN THEY ARE BACK IN SERVICE, BY STREET ADDRESS OR INTERSECTION.

B. WHERE COMMERCIAL, INDUSTRIAL, OR CRITICAL CUSTOMERS ARE AFFECTED, AND FOR ALL LINES 16-INCH AND LARGER IN SIZE, FIELD ENGINEERING WILL REQUEST WATER OPERATIONS TO SHUT DOWN THE MAIN. THERE WILL BE A MINIMUM OF 48-HOUR NOTICE TO WATER OPERATIONS.

9. CONTRACTOR SHALL PROVIDE AT LEAST 48 HOUR NOTICE TO ALL RESIDENTS OR BUSINESSES AFFECTED BEFORE TURNING OFF ANY WATER. CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING DOOR HANGERS ON AFFECTED HOMES AND BUSINESSES.

10. CONTRACTOR SHALL GIVE THE NOTIFICATION CENTER OF THE OKLAHOMA ONE-CALL SYSTEM, INC, NOTICE OF ANY EXCAVATION NO LATER THAN 48 HOURS OR SOONER THAN 10 DAYS PRIOR TO COMMENCEMENT OF WORK (EXCLUDING SATURDAYS, SUNDAYS, LEGAL HOLIDAYS). PHONE: 1-800-522-6543.

11. LOCAL AND THROUGH TRAFFIC SHALL BE MAINTAINED THROUGH PROJECT AT ALL TIMES. OPEN CUT STREET CROSSINGS REQUIRE AN APPROVED TRAFFIC CONTROL PLAN WITH TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH CURRENT MUTCD REQUIREMENTS.

12. ANY DAMAGE CAUSED BY THE CONTRACTOR TO ADJACENT TRAFFIC SIGNAL INFRASTRUCTURE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE TRAFFIC ENGINEER.

13. PRIOR TO PAVEMENT SAWING AND EXCAVATION NEAR SIGNALIZED INTERSECTION, CONTRACTOR SHALL CONTACT ENGINEERING SERVICES AND TRAFFIC OPERATIONS (918-596-9766) FOR SITE SPECIFIC, UNDERGROUND TRAFFIC UTILITY LOCATES.

14. CONSTRUCTION FOR ALL ENGINEERING SERVICE FACILITIES SHALL BE IN COMPLIANCE WITH THE LATEST EDITION OF TITLE 252, DEPARTMENT OF ENVIRONMENTAL QUALITY, CHAPTER 626, PUBLIC WATER SUPPLY CONSTRUCTION STANDARDS, OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY (ODEQ).

15. ALL EXCAVATED MATERIAL NOT REQUIRED IN OTHER AREAS OF 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 CITY. THE CONTRACTOR SHALL BE REQUIRED TO OBTAIN AN EARTH CHANGE PERMIT IF ANY EXCESS MATERIAL IS TO BE DISPOSED OF WITHIN THE CITY LIMITS OF TULSA.

16. ANY CHANGES FROM THE APPROVED PLANS SHALL BE SUBMITTED TO THE CITY OF TULSA FOR WRITTEN APPROVAL PRIOR TO INSTALLATION.

TWUA-W 23-13

PAY QUANTITIES & NOTES (WATERLINE)

CBD STREET REHABILITATION
4TH ST./LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: NA
PROFILE SCALE: NA
HORIZONTAL: NA
VERTICAL: NA

DRAWN	POE	1/2023	APPROVED:
DESIGNED	POE	1/2023	
SURVEY			
PROJ. MGR.			
LEAD ENGR.			
FIELD MGR.			
RECOMMENDED: DESIGN MANAGER			CITY ENGINEER

FILE: 303913-03-PAY QUANTITY_WL.DGN
DATE: 6/9/2025
ATLAS PAGE NO: 1,8
SHEET 5 OF 63 SHEETS

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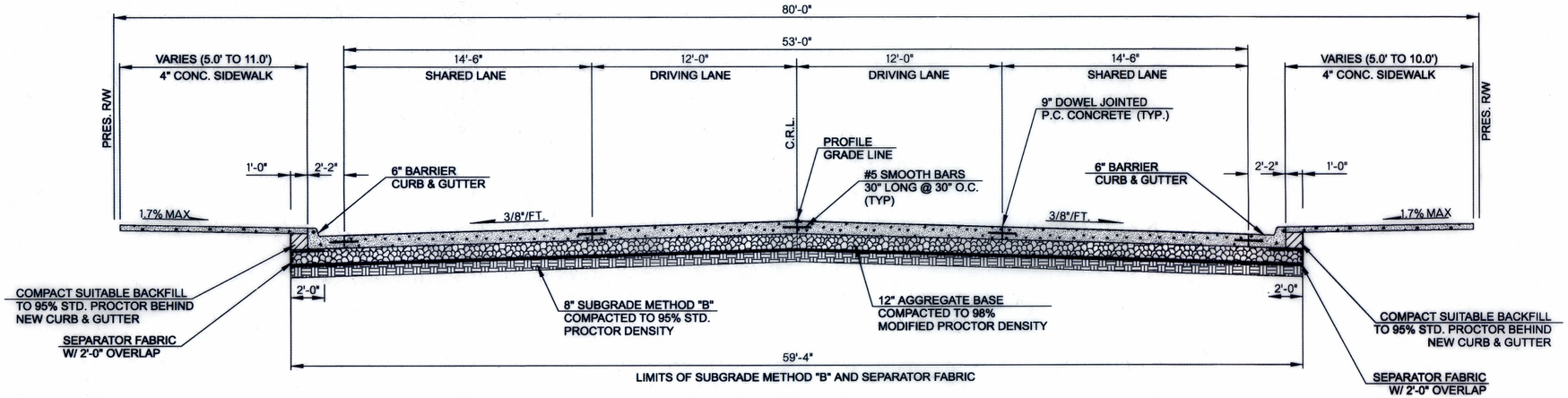

TYPICAL NO. 1
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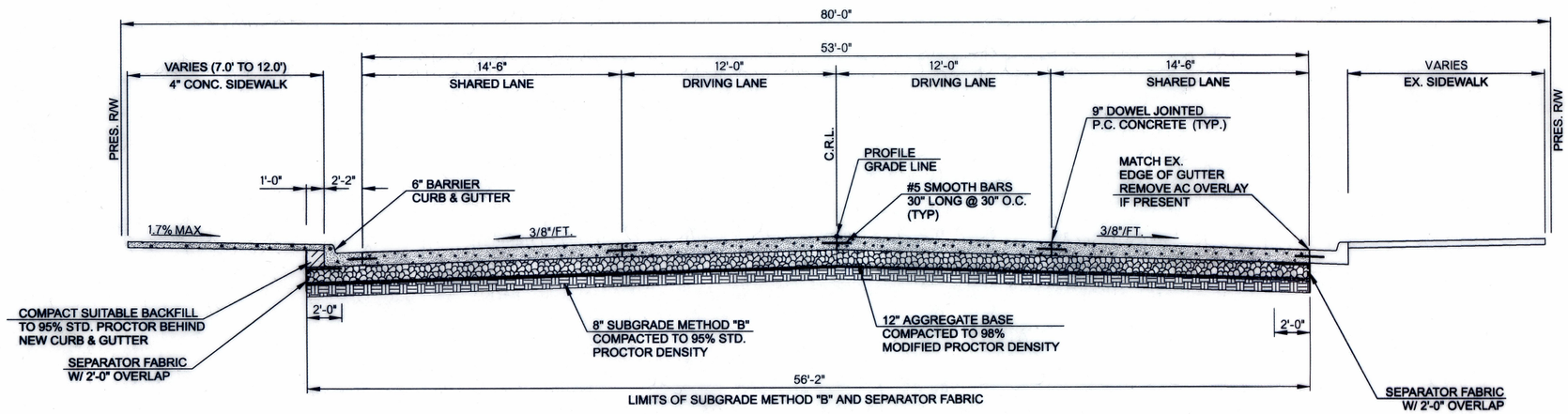
STA. 23+74.32 TO STA. 26+00.00
N.T.S.



TYPICAL NO. 2
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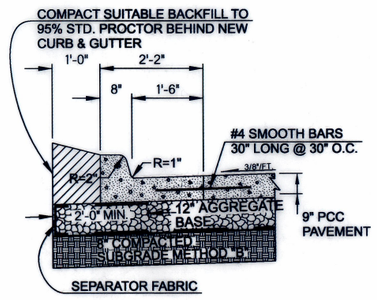
STA. 26+00.00TO STA. 30+00.00
N.T.S.



COMBINED CURB AND GUTTER DETAIL
CONCRETE PAVEMENT
N.T.S.

TYPICAL SECTION (1)

CBD STREET REHABILITATION
4TH ST. LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: N/A	DRAWN	POE	1/2023	APPROVED:
	DESIGNED	POE	1/2023	
	SURVEY	DT	6/2023	
PROFILE SCALE:	PROJ. MGR.		5-25	
	LEAD ENGR.		5/25	
HORIZONTAL: N/A	FIELD MGR.			
VERTICAL N/A	RECOMMENDED DESIGN MANAGER		Has 5-25	CITY ENGINEER
FILE: 303913-03-TYPICAL SECTIONS.DGN				DATE: 6/9/2025
ATLAS PAGE NO: 1,8				SHEET 6 OF 63 SHEETS

LICENSED PROFESSIONAL ENGINEER
REMINGTON S. MADDOX
2
OKLAHOMA
5-5-25

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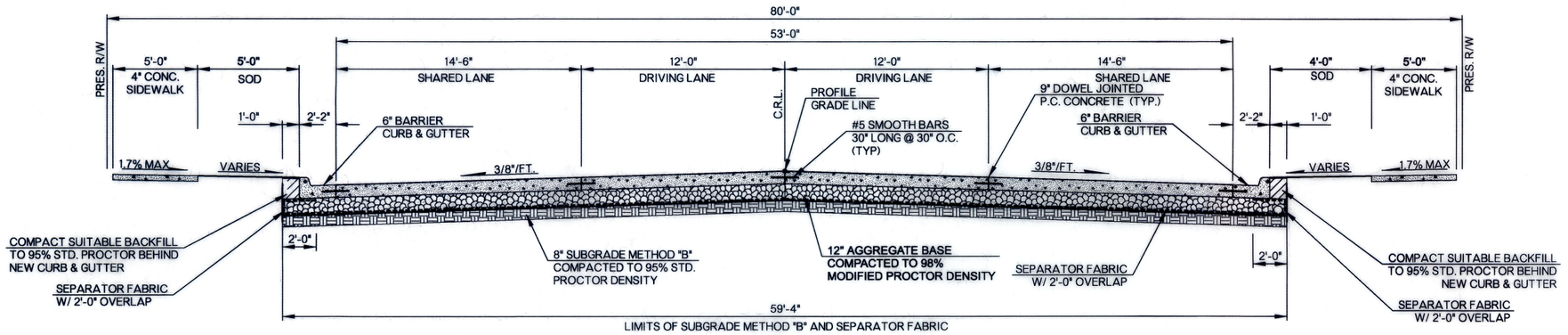

TYPICAL NO. 3
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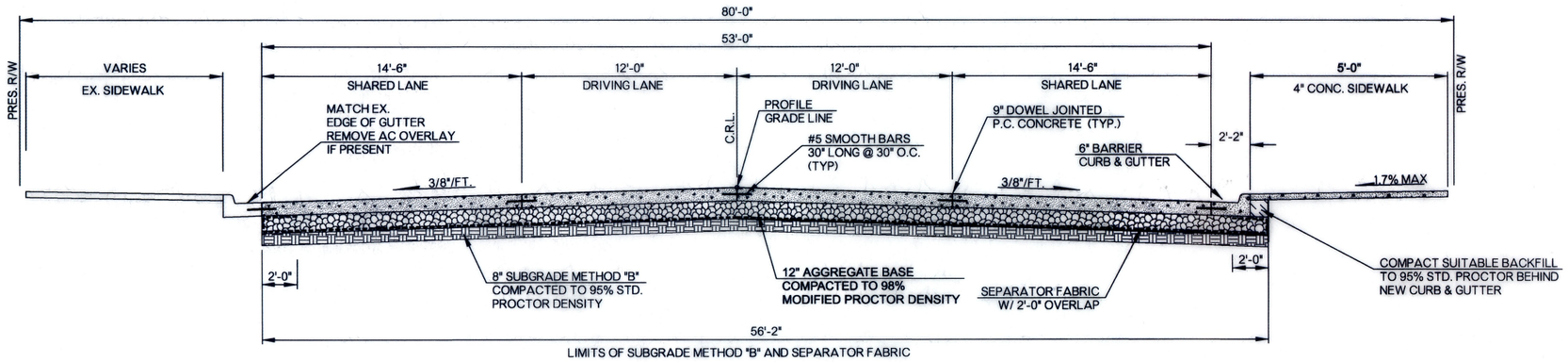
STA. 22+19.22 TO STA. 23+74.32
STA. 30+00.00 TO STA. 31+66.34
N.T.S.



TYPICAL NO. 4
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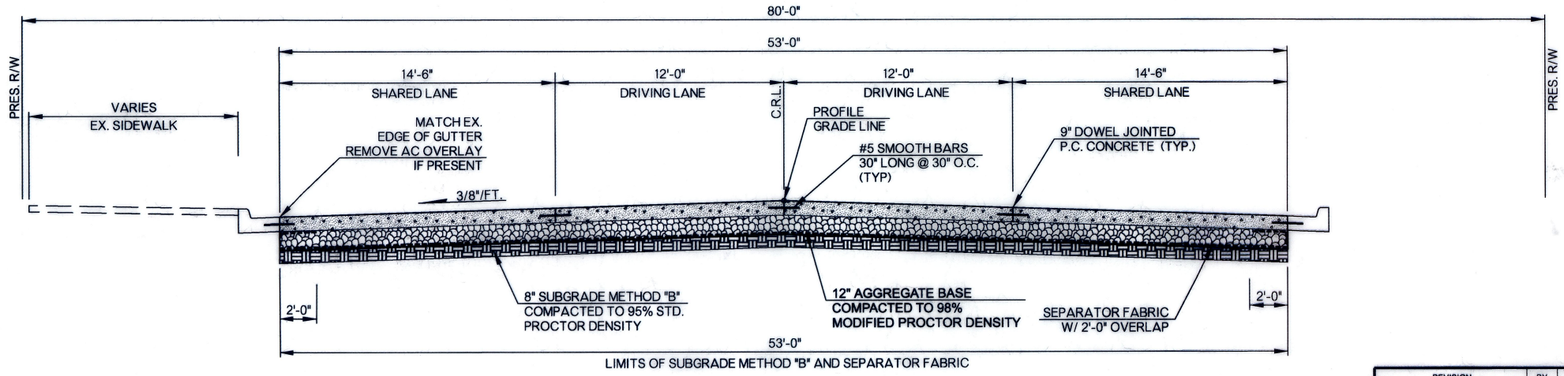
STA. 31+66.34 TO STA. 33+35.42
N.T.S.



TYPICAL NO. 5
E. 4TH STREET
STA. 33+35.42 TO STA. 34+20.32
N.T.S.

REMINGTON S. MADDOX 21 LICENSED PROFESSIONAL ENGINEER OKLAHOMA
5-5-25

REVISION	BY	DATE

TYPICAL SECTION (2)

CBD STREET REHABILITATION
4TH ST. LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: N/A	DRAWN	POE	1/2023	APPROVED:
	DESIGNED	POE	1/2023	
	SURVEY	DT	6/2023	
PROFILE SCALE:	PROJ. MGR.		5-25	
HORIZONTAL: N/A	LEAD ENGR.		5/25	
	FIELD MGR.			
VERTICAL N/A	RECOMMENDED: DESIGN MANAGER		HAS 5-25	CITY ENGINEER
FILE: 303913-03-TYPICAL SECTIONS.DGN				DATE: 6/9/2025
ATLAS PAGE NO: 1,8				SHEET 7 OF 63 SHEETS

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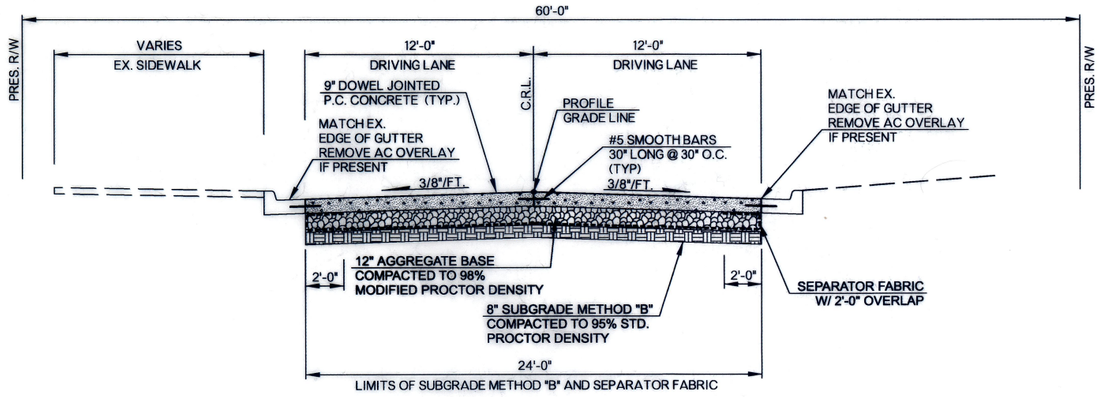
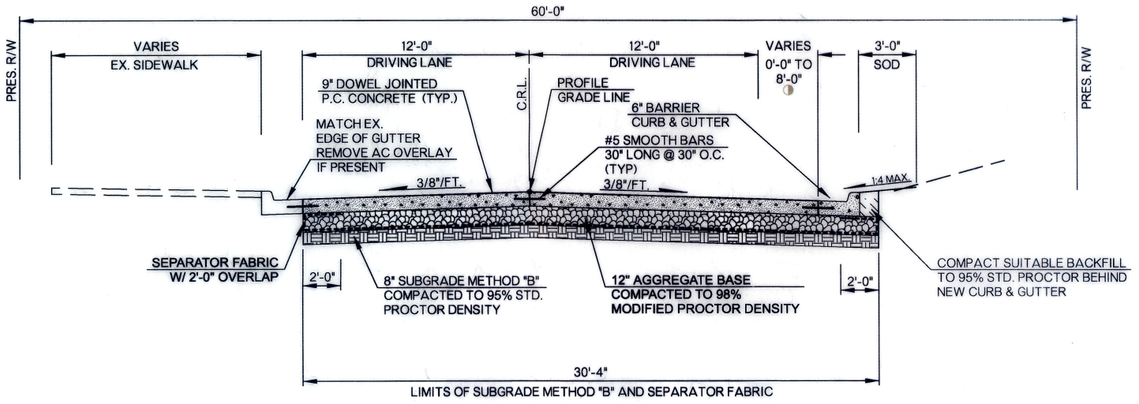
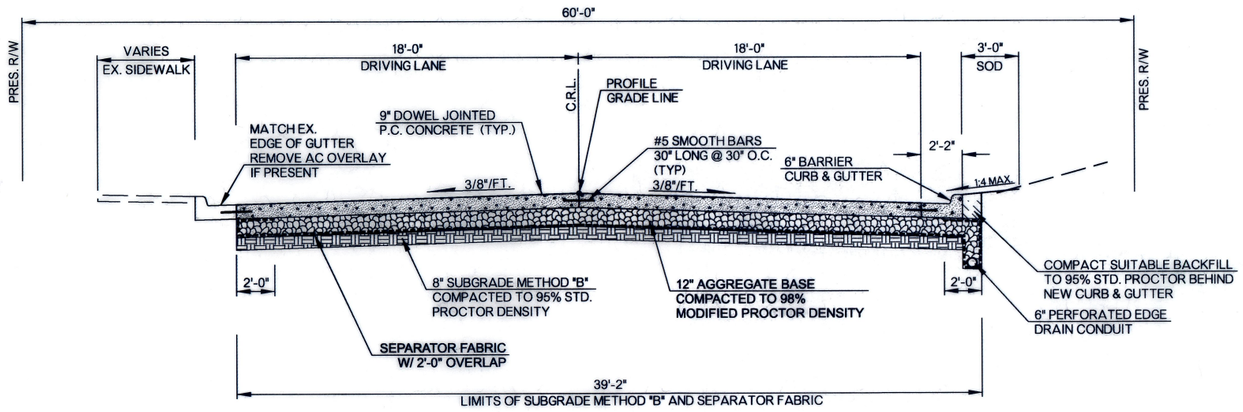


TYPICAL NO. 6
S. LANSING AVE.
STA. 40+24.04 TO STA. 40+56.46
STA. 43+00.00 TO STA. 43+47.27
N.T.S.

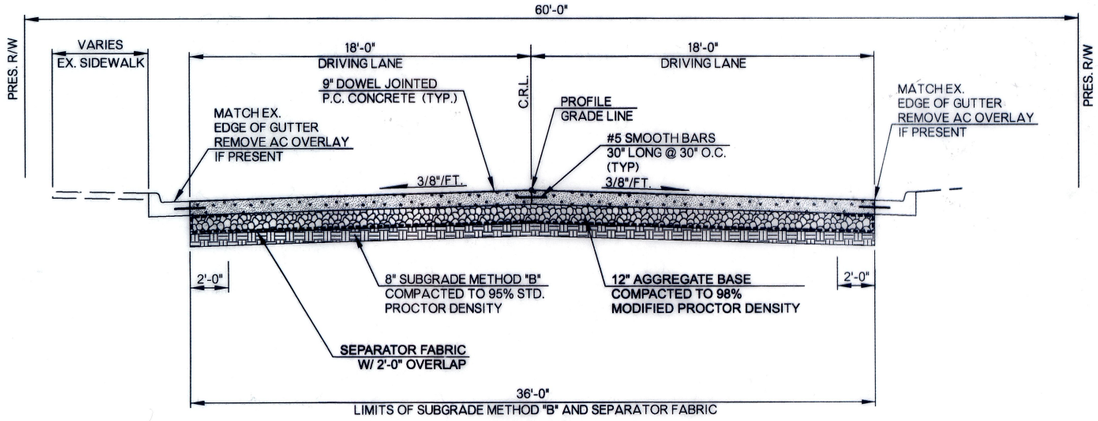


TYPICAL NO. 7
S. LANSING AVE.
STA. 40+56.46 TO STA. 43+00.00
N.T.S.

◑ STA. 40+56.46 TO STA. 40+64.44 - 0'-0" TO 8'-0"
STA. 40+64.44 TO STA. 42+95.75 - 8'-0"
STA. 42+95.75 TO STA. 43+00.00 - 8'-0" TO 0'-0"



TYPICAL NO. 8
S. LANSING AVE.
STA. 44+21.48 TO STA. 46+82.52
N.T.S.



TYPICAL NO. 9
S. LANSING AVE.
STA. 43+93.26 TO STA. 44+21.48
STA. 46+82.52 TO STA. 46+90.53
N.T.S.

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LICENSED PROFESSIONAL ENGINEER
REMINGTON S. MADDOX 25
OKLAHOMA
5-5-25

REVISION	BY	DATE

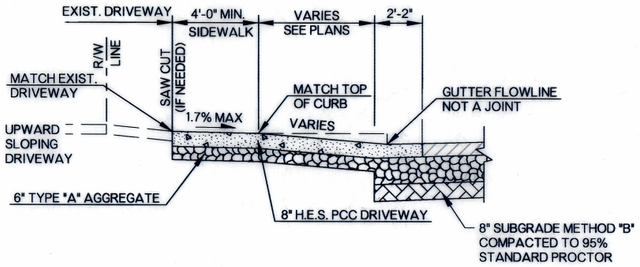
TYPICAL SECTION (3)

CBD STREET REHABILITATION
4TH ST. LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: N/A	DRAWN	POE	1/2023	APPROVED:
	DESIGNED	POE	1/2023	
	SURVEY	DT	6/2023	
PROFILE SCALE:	PROJ. MGR.	MRS	5-25	
	LEAD ENGR.	DD	5/25	
HORIZONTAL: N/A	FIELD MGR.			
VERTICAL N/A	RECOMMENDED DESIGN MANAGER	MRS 5-25		CITY ENGINEER
FILE: 303913-03-TYPICAL SECTIONS.DGN				DATE: 6/9/2025
ATLAS PAGE NO: 1,8				SHEET 8 OF 63 SHEETS

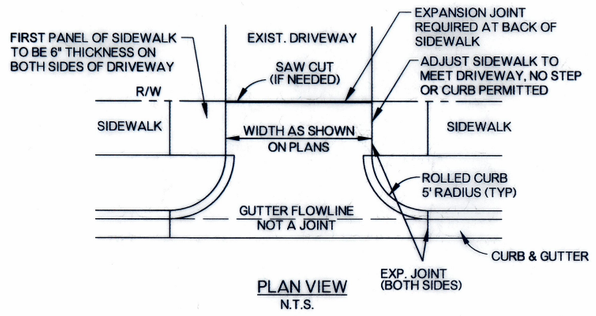


DRIVEWAY DETAIL

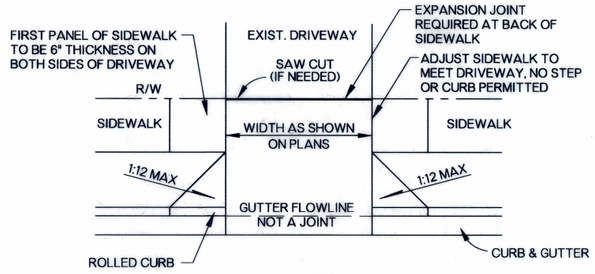
CONCRETE DRIVEWAY WITH PCC STREET AND SIDEWALK
N.T.S.

DRIVEWAY NOTES:

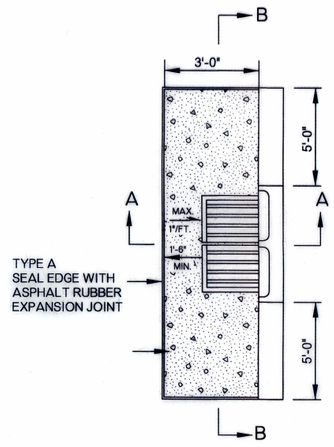
1. THERE WILL BE NO PAYMENT FOR CONCRETE CURB AND/OR INTEGRAL CURB FOR THE LENGTH OF THE CURB BLOCKOUT.
2. JOINT SEALERS SHALL MEET THE REQUIREMENTS OF SECTIONS 701.08b AND 701.08e. AND BE SELF LEVELING.
3. DRIVEWAY RADII ARE 5 FEET, UNLESS SHOWN ON THE PLANS.
4. SIDEWALKS SHALL MATCH THE ELEVATION OF THE DRIVEWAY WITHOUT ANY DROP OR STEP.
5. CONCRETE DRIVEWAYS WIDER THAN 12 FEET SHALL HAVE LONGITUDINAL CONTRACTION JOINTS NO MORE THAN 12 FEET APART.
6. CONCRETE DRIVEWAYS SHALL BE P.C. CONCRETE (H.E.S.) TO R/W LINE, BACK OF SIDEWALK OR AS SHOWN ON PLANS.



PLAN VIEW
N.T.S.



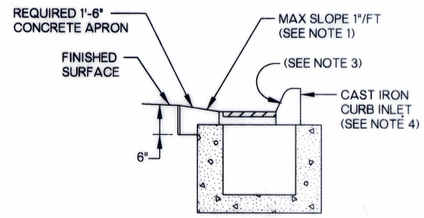
PLAN VIEW
N.T.S.



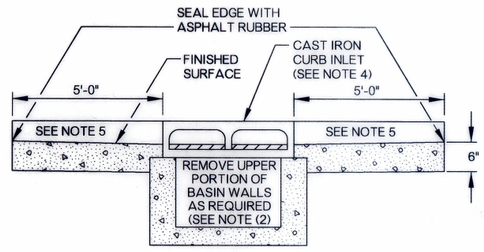
PLAN VIEW

INLETS ADJUST TO GRADE

N.T.S.



SECTION A-A
N.T.S.



SECTION B-B
N.T.S.

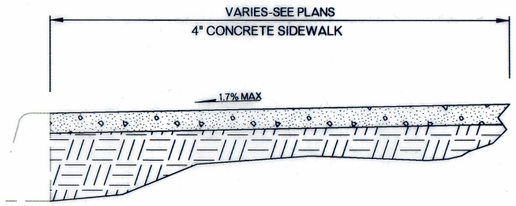
NOTE 1: CONCRETE APRON SHALL BE SLOPED AS REQUIRED. MAX. SLOPE: 1 INCH PER FOOT.

NOTE 2: IF BASIN WALLS ARE CONCRETE, APRON MAY BE DOWELED INTO EXISTING WALL.

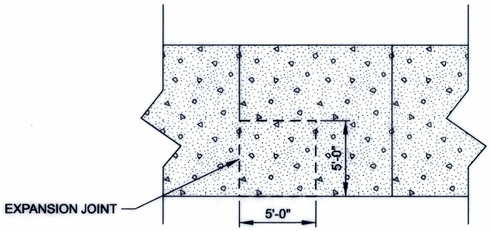
NOTE 3: THE THROAT OPENING SHALL BE A MINIMUM OF 5 INCHES.

NOTE 4: THE CURB INLET SHALL BE PAID AS EITHER SINGLE OR DOUBLE COMPLETE IN-PLACE.

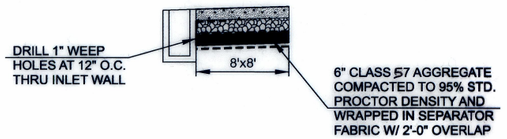
NOTE 5: THE COST FOR CONCRETE CURB THROUGH THE INLET AND 5 FEET ON EACH SIDE OF THE INLET SHALL BE INCLUDED IN THE COST OF ADJUSTING THE INLET TO GRADE.



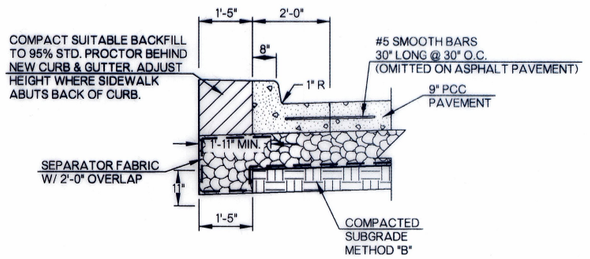
SIDEWALK REPLACEMENT DETAIL
N.T.S.



SIDEWALK CUTOUT FOR TREE LOCATION DETAIL
N.T.S.

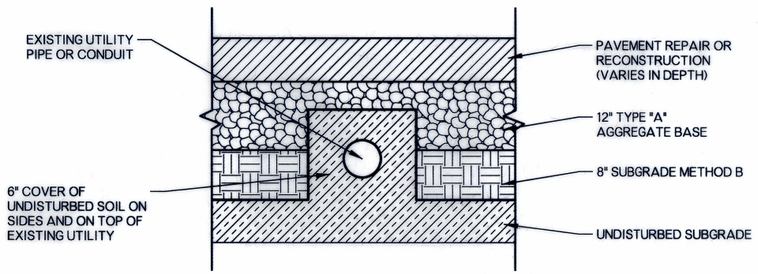


BLANKET DRAIN DETAIL

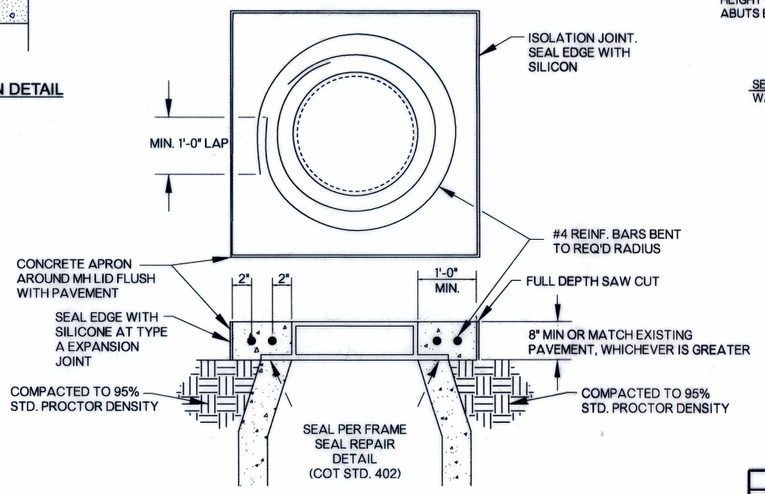


COMBINED CURB AND GUTTER DETAIL
(6" BARRIER)

NOTE: QUICK SET FLOWABLE FILL MAY BE REQUIRED ABOVE OR ALONGSIDE EXISTING UTILITY LINES TO PROVIDE ADDITIONAL COVER/PROTECTION. THIS DETERMINATION WILL BE MADE ON A CASE BY CASE BASIS IN THE FIELD AND COORDINATED BETWEEN FIELD ENGINEERING, UTILITY COORDINATION, AND THE CONTRACTOR.



PROTECT IN PLACE EXISTING UTILITY LINE
N.T.S.



MANHOLES TO GRADE
N.T.S.

NOTE 1: SANITARY MANHOLES SHALL MEET THE REQUIREMENT OF PART 418 OF THE COT SPECIFICATIONS

LICENSED PROFESSIONAL ENGINEER
REMINGTON S. MADDOX
2007
OKLAHOMA
5-5-25

REVISION	BY	DATE

DETAIL SHEET

CBD STREET REHABILITATION
4TH ST. LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: NA	DRAWN	POE	1/2023	APPROVED:
	DESIGNED	POE	1/2023	
	SURVEY			
PROFILE SCALE:	PROJ. MGR.	MB	5-25	
HORIZONTAL: N/A	LEAD ENGR.	D	5/25	
	FIELD MGR.			
VERTICAL N/A	RECOMMENDED: DESIGN MANAGER	HAB	5-25	CITY ENGINEER
FILE: 303913-03-DETAILS.DGN				DATE 5/1/2025
ATLAS PAGE NO: 1,8				SHEET 9 OF 63 SHEETS

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SUMMARY OF SURFACING

P&P SHEET NO.	STATION TO STATION	202(A) UNCLASSIFIED EXCAVATION	230(A) SOLID SLAB SODDING	303(A) AGGREGATE BASE-TYPE A	310(B) SUBGRADE, METHOD B	325 SEPARATOR FABRIC	414(B) DOWEL JOINTED P.C.C. PAVT. (PLACEMENT)	414(G) P.C. CONCRETE FOR PAVEMENT (9")	609(B) 2'-2" COMB. CURB & GUTTER (6" BARRIER)	610(A) 4" CONCRETE SIDEWALK	610(I) TACTILE WARNING DEVICE (NEW)	612(A) MANHOLE ADJUSTED TO GRADE (PUBLIC)	612(C) INLET ADJUSTED TO GRADE	612(E) VALVE BOXES ADJUST TO GRADE	SPEC. CURB RAMP
		CY	SY	CY	SY	SY	SY	CY	LF	SY	SF	EA	EA	EA	EA
1	14+73 TO 17+00	478	-	478	1,435	1,587	1,339	335	274	297	8	2	-	-	1
2	17+00 TO 22+00	1,196	50	1,196	3,591	3,924	3,412	853	508	471	106	8	2	3	5
3	22+00 TO 27+00	1,066	200	1,066	3,201	3,535	2,971	743	655	517	24	6	1	1	3
4	27+00 TO 32+00	1,083	225	1,083	3,251	3,584	3,057	764	551	442	16	6	5	1	2
5	32+00 TO 34+20	521	200	521	1,564	1,711	1,471	368	265	98	24	2	-	-	3
6	40+50 TO 44+00	369	100	369	1,107	1,307	1,019	255	251	0	-	-	-	-	-
7	44+00 TO 46+90	388	150	388	1,165	1,365	1,073	268	261	0	-	1	-	-	-
	TOTAL	5,100	925	5,100	15,315	17,014	14,342	3,586	2,765	1,825	178	25	8	5	14

SUMMARY OF DRIVEWAYS

LOCATION		TYPE	WIDTH FT	LENGTH FT	RADII (FT.) LT	RADII (FT.) RT	SLOPE %	UNCLASSIFIED EXCAVATION 202(A) CY	AGGREGATE BASE TYPE A 303(A) CY	6" CONCRETE DRIVEWAY (H.E.S.) 610(B) SY
14+98.46	RT	COMMERCIAL	24	12	-	-		8	8	32
15+42.62	LT	COMMERCIAL	63	13	-	-		21	21	92
15+58.60	RT	COMMERCIAL	27	12	-	-		9	9	35
16+19.15	RT	COMMERCIAL	25	12	-	-		8	8	32
16+19.67	LT	COMMERCIAL	15	13	-	-		6	6	23
16+79.12	RT	COMMERCIAL	25	12	-	-		9	9	37
19+65.03	LT	COMMERCIAL	25	14	5	5		10	10	42
20+24.08	LT	COMMERCIAL	18	14	5	5		7	7	31
20+75.05	LT	COMMERCIAL	20	14	5	5		8	8	33
21+26.64	LT	COMMERCIAL	18	14	5	5		7	7	31
22+55.75	RT	COMMERCIAL	21	11	5	5		7	7	30
23+80.66	LT	COMMERCIAL	20	12	5	5		7	7	29
23+89.60	RT	COMMERCIAL	20	11	5	-		7	7	28
24+20.91	LT	COMMERCIAL	23	12	5	5		8	8	34
24+24.85	RT	COMMERCIAL	20	11	-	-		6	6	25
25+16.03	LT	COMMERCIAL	37	12	5	5		12	12	53
25+57.59	RT	COMMERCIAL	25	11	-	-		8	8	32
26+74.19	LT	COMMERCIAL	24	13	-	-		8	8	35
28+36.76	LT	COMMERCIAL	13	13	5	5		5	5	21
29+12.00	LT	COMMERCIAL	42	13	-	-		14	14	62
30+81.39	RT	COMMERCIAL	21	10	-	-		6	6	23
							TOTAL	181	181	760

SUMMARY OF REMOVALS

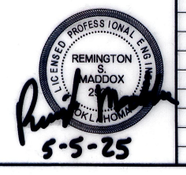
STATION TO STATION			619(B) REMOVAL OF PAVEMENT SY	619(B) REMOVAL OF DRIVEWAY SY	619(B) REMOVAL OF CURB & GUTTER LF	619(B) REMOVAL OF SIDEWALK SY	619(B) REMOVAL OF CURB RAMP EA	619(B) REMOVAL OF DRAINAGE PIPE LF	619(B) REMOVAL OF DRAINAGE INLET EA	619(B) REMOVAL OF MANHOLE EA
BOP	TO	18+00	2,176	261	400	500	4	40	1	-
18+00	TO	23+00	3,630	115	417	380	4	80	2	1
23+00	TO	28+00	3,092	286	461	489	-	39	2	-
28+00	TO	31+50	2,285	111	361	280	1	-	-	-
31+50	TO	34+20	1,817	-	330	140	1	-	-	-
39+46	TO	43+50	810	-	304	-	-	-	-	-
43+50	TO	EOP	1,148	-	270	-	-	-	-	-
		TOTAL	14,958	773	2,543	1,789	10	159	5	1

SUMMARY OF TEMPORARY SEDIMENT CONTROL

STATION TO STATION			220 TEMPORARY SEDIMENT FILTER EA
BOP	TO	19+00	5
19+00	TO	29+00	9
29+00	TO	34+00	3
40+50	TO	EOP	9
		TOTALS	26

SUMMARY OF STRIPING

STREET NAME	TRAFFIC STRIPE (PLASTIC) 855(A) 4" WHITE LF	4" YELLOW LF	8" WHITE LF	12" WHITE LF	24" WHITE LF	24" GREEN LF	855(B) ARROWS EA	SYMBOLS EA
E. 4TH ST	6600	3400	2750	130	925	80	6	36
S. LANSING AV	260	1115	75	0	250	0	0	1
TOTAL	11375		2825	130	1255		43	



REVISION	BY	DATE

SUMMARY SHEET (1)

CBD STREET REHABILITATION
4TH ST./LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: NA	DRAWN	POE	1/2023	APPROVED:
	DESIGNED	POE	1/2023	
	SURVEY			
PROFILE SCALE:	PROJ. MGR.	RMD	5-25	
HORIZONTAL: NA	LEAD ENGR.			
	FIELD MGR.			
VERTICAL NA	RECOMMENDED DESIGN MANAGER	HAS 5-25		CITY ENGINEER

FILE: 303913-03-SUMMARY SHEETS.DGN — DATE: 6/9/2025
ATLAS PAGE NO: 18 — SHEET 10 OF 63 SHEETS

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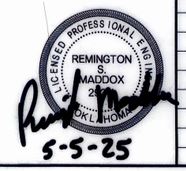
SUMMARY OF SIGNS

SIGN NO.	STREET NAME	APPROXIMATE STATION AND OFFSET		DESCIPTION	PROPOSED SIGN INFORMATION						SQUARE POST			REMARKS
					NOTATION	TYPE	STREET NAME	BLOCK	DIMENSIONS	AREA	2"	1 3/4"	1 1/2"	
									INCHES	S.F.	L.F.	L.F.	L.F.	
1	E 4TH ST	11+21	29.4 RT	ACCESSIBLE PARKING	R7-8	REGULATORY								REMOVE
2	E 4TH ST	11+28	29.4 RT	ACCESSIBLE PARKING	R7-8	REGULATORY			12 X 18	1.5	3	10		NEW SIGN
3	E 4TH ST	11+41	29.5 RT	ACCESSIBLE PARKING	R7-8	REGULATORY								REMOVE
4	E 4TH ST	13+10	32.1 LT	ADVANCE INTERSECTION LANE CONTROL	R3-8A	REGULATORY			45 X 36	11.25	3	11		NEW SIGN
5	E 4TH ST	14+68	39.8 LT	PAY PARKING HERE	---	---	---	---	---	---	---	---	---	CITY TO UPDATE
6	E 4TH ST	14+72	32.6 LT	NO PARKING PASSENGER ZONE 3 MIN LIMIT	SPECIAL	REGULATORY								TO BE REMOVED PROJ. 144017AO, 144019 PH. 6
7	E 4TH ST	14+72	31.0 LT	RIGHT LANE MUST TURN RIGHT	R3-7R	REGULATORY			30 X 30	6.25	3	11		NEW SIGN
8	E 4TH ST	14+72	29.7 RT	BIKE LANE	R3-17	REGULATORY			24 X 18	3	3	10		NEW SIGN
9	E 4TH ST	15+00	31.9 LT	NO PARKING	R7-2	REGULATORY			12 X 18	1.5	3	10		NEW SIGN
10	E 4TH ST	15+16	28.7 RT	LEFT LANE MUST TURN LEFT	R3-7L	REGULATORY								REMOVE, ON LIGHT POLE
11	E 4TH ST	15+89	31.4 LT	NO PARKING	R7-2	REGULATORY			12 X 18	1.5	3	10		REMOVE AND REPLACE
12	E 4TH ST	16+35	44.5 LT	BILLBOARD										TO REMAIN
13	E 4TH ST	16+42	31.0 LT	ACCESSIBLE PARKING	R7-8	REGULATORY			12 X 18	1.5	3	10		NEW SIGN
14	E 4TH ST	16+53	31.4 LT	NO PARKING	R7-2	REGULATORY								REMOVE
15	E 4TH ST	16+80	30.2 LT	PAY TO PARK										CITY TO UPDATE
16	E 4TH ST	17+15	31.6 LT	SPEED LIMIT 25 MPH	R2-1	REGULATORY			24 X 30	5	3	11		NEW SIGN
17	E 4TH ST	17+54	31.4 LT	BICYCLES ALLOWED USE OF FULL LANE	R9-20	REGULATORY			30 X 30	6.25	3	11		NEW SIGN
18	E 4TH ST	17+54	29.1 RT	LEFT LANE MUST TURN LEFT	R3-7	REGULATORY								REMOVE, ON LIGHT POLE
19	E 4TH ST	17+62	29.5 LT	PAY PARKING HERE										CITY TO UPDATE
20	E 4TH ST	17+65	29.3 RT	TURNING VEHICLES YIELD TO BIKES	R10-15M	REGULATORY			30 X 30	6.25	3	11		NEW SIGN
21	E 4TH ST	17+66	31.3 LT	S ELGIN AV	COT 608	STREET NAME								REMOVE, ON SIGNAL
22	E 4TH ST	17+68	30.2 RT	S ELGIN AV	COT 608	STREET NAME	S ELGIN AV	400	9 X 30	3.75				ON SIGNAL
23	E 4TH ST	17+68	30.2 RT	E 4TH ST	COT 608	STREET NAME	E 4TH ST	400	9 X 30	3.75				ON SIGNAL
24	E 4TH ST	17+76	41.1 LT	PRIDE ST, PRIDE FLAG	SPECIAL									TO REMAIN
25	E 4TH ST	17+77	56.4 LT	NO PARKING	R7-2	REGULATORY			12 X 18	1.5	3	10		REMOVE AND REPLACE
26	E 4TH ST	17+78	45.3 RT	S ELGIN AV	COT 608	STREET NAME								REMOVE, ON SIGNAL
27	E 4TH ST	17+79	49.8 LT	TURNING VEHICLES YIELD TO BIKES	R10-15M	REGULATORY								TO REMAIN
28	E 4TH ST	17+79	54.4 RT	BIKE LANE	R3-17									TO REMAIN
29	E 4TH ST	18+40	58.1 RT	TURNING VEHICLES YIELD TO BIKES	R10-15M	REGULATORY								TO REMAIN
30	E 4TH ST	18+42	66.7 LT	BIKE LANE	R3-17									TO REMAIN
31	E 4TH ST	18+43	41.9 LT	E 4TH ST	COT 608	STREET NAME								REMOVE, ON SIGNAL
32	E 4TH ST	18+49	38.9 RT	PAY PARKING HERE										CITY TO UPDATE
33	E 4TH ST	18+50	33.5 LT	S ELGIN AV	COT 608	STREET NAME	S ELGIN AV	400	9 X 30	3.75				ON SIGNAL
34	E 4TH ST	18+50	33.5 LT	E 4TH ST	COT 608	STREET NAME	E 4TH ST	400	9 X 30	3.75				ON SIGNAL
35	E 4TH ST	18+54	29.9 RT	S ELGIN AV	COT 608	STREET NAME								REMOVE, ON SIGNAL
36	E 4TH ST	18+58	29.4 RT	BIKE LANE	R3-17	REGULATORY			24 X 18	3	3	10		NEW SIGN
37	E 4TH ST	18+74	34.6 LT	SPEED LIMIT 25 MPH	R2-1	REGULATORY			24 X 30					REMOVE
38	E 4TH ST	18+79	30.4 LT	ACCESSIBLE PARKING	R7-8	REGULATORY			12 X 18	1.5	3	10		NEW SIGN
39	E 4TH ST	18+84	28.5 RT	SPEED LIMIT 25 MPH	R2-1	REGULATORY			24 X 30	5	3	11		REMOVE AND RESET
40	E 4TH ST	19+11	30.6 RT	TULSA TRANSIT BUS STOP	SPECIAL									TO REMAIN
41	E 4TH ST	21+02	42.1 LT	PRIVATE PARKING										TO REMAIN
42	E 4TH ST	21+11	30.6 LT	NO PARKING FROM CORNER	SPECIAL	REGULATORY								REMOVE
43	E 4TH ST	21+51	30.1 LT	BICYCLES ALLOWED USE OF FULL LANE	R9-20	REGULATORY			30 X 30	6.25	3	11		NEW SIGN
44	E 4TH ST	21+60	29.4 RT	TURNING VEHICLES YIELD TO BIKES	R10-15M	REGULATORY			30 X 30	6.25	3	11		NEW SIGN
45	E 4TH ST	21+63	43.0 LT	E 4TH ST	COT 608	STREET NAME	E 4TH ST	500	9 X 30	3.75				REMOVE AND REPLACE
46	E 4TH ST	21+63	43.0 LT	S FRANKFORT AV	COT 608	STREET NAME	S FRANKFORT AV	400	9 X 48	6	3	11	2	REMOVE AND REPLACE
47	E 4TH ST	21+63	43.0 LT	STOP	R1-1	REGULATORY			30 X 30	5.2				REMOVE AND REPLACE
48	E 4TH ST	21+63	43.0 LT	EAST VILLAGE	SPECIAL									TO REMAIN
49	E 4TH ST	22+10	41.0 RT	E 4TH ST	COT 608	STREET NAME	E 4TH ST	500	9 X 30	3.75				REMOVE AND REPLACE
50	E 4TH ST	22+10	41.0 RT	S FRANKFORT AV	COT 608	STREET NAME	S FRANKFORT AV	400	9 X 48	6	3	11	2	REMOVE AND REPLACE
51	E 4TH ST	22+10	41.0 RT	STOP	R1-1	REGULATORY								REMOVE AND REPLACE
52	E 4TH ST	22+12	29.6 RT	BIKE LANE	R3-17	REGULATORY			24 X 18	3	3	10		NEW SIGN
53	E 4TH ST	22+17	32.9 LT	PRIDE ST, PRIDE FLAG	SPECIAL									TO REMAIN
54	E 4TH ST	22+32	40.1 LT	CLEAN UP AFTER YOUR DOG	SPECIAL									TO REMAIN
55	E 4TH ST	22+37	30.4 LT	ACCESSIBLE PARKING	R7-8	REGULATORY			12 X 18	1.5	3	10		NEW SIGN
56	E 4TH ST	22+74	29.4 RT	NO PARKING	R7-2	REGULATORY								REMOVE, ON LIGHT POLE
57	E 4TH ST	23+01	31.3 RT	SPEED LIMIT 25 MPH	R2-1	REGULATORY			24 X 30	5	3	11		REMOVE AND REPLACE
58	E 4TH ST	23+16	30.4 RT	TULSA TRANSIT BUS STOP	SPECIAL									TO REMAIN
59	E 4TH ST	24+05	39.2 LT	EMPTY POST										REMOVE
60	E 4TH ST	24+38	36.9 LT	NO PARKING FROM DRIVEWAY	SPECIAL	REGULATORY								REMOVE
61	E 4TH ST	24+41	39.3 LT	EMPTY POST										REMOVE
62	E 4TH ST	24+48	30.1 LT	ACCESSIBLE PARKING	R7-8	REGULATORY			12 X 18	1.5	3	10		NEW SIGN



SUMMARY SHEET (2)

CBD STREET REHABILITATION
4TH ST./LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: NA
PROFILE SCALE:
HORIZONTAL: NA
VERTICAL NA

DRAWN	POE	1/2023	APPROVED:
DESIGNED	POE	1/2023	
SURVEY			
PROJ. MGR.			
LEAD ENGR.			
FIELD MGR.			
RECOMMENDED:			
DESIGN MANAGER			CITY ENGINEER

FILE: 303913-03-SUMMARY SHEETS.DGN
DATE: 6/9/2025
ATLAS PAGE NO: 1,8
SHEET 11 OF 63 SHEETS

4/2/2025 11:40:47 AM I:\303913-03 4th Lansing\Plan Sheets\RoadwayShts\303913-03-Summary Sheets.dgn

SUMMARY OF SIGNS

SIGN NO.	STREET NAME	APPROXIMATE STATION AND OFFSET		DESCIPTION	PROPOSED SIGN INFORMATION						SQUARE POST			REMARKS
					NOTATION	TYPE	STREET NAME	BLOCK	DIMENSIONS	AREA	2"	1 3/4"	1 1/2"	
									INCHES	S.F.	L.F.	L.F.	L.F.	
63	E 4TH ST	24+55	40.2 LT	PRIVATE PARKING										TO REMAIN
64	E 4TH ST	24+56	41.7 LT	PRIVATE PARKING										TO REMAIN
65	E 4TH ST	24+56	38.2 RT	PRIVATE PARKING										TO REMAIN
66	E 4TH ST	24+58	35.6 RT	PRIVATE PARKING										TO REMAIN
67	E 4TH ST	24+60	38.4 RT	PRIVATE PARKING										TO REMAIN
68	E 4TH ST	24+96	36.8 LT	NO PARKING FROM DRIVEWAY	SPECIAL	REGULATORY								REMOVE
69	E 4TH ST	25+39	43.1 LT	PRIVATE PARKING										TO REMAIN
70	E 4TH ST	25+79	30.1 RT	BIKE LANE	R3-17	REGULATORY			24 X 18	3	3	10		NEW SIGN
71	E 4TH ST	28+94	31.0 RT	NO PARKING TO CORNER	SPECIAL	REGULATORY								REMOVE
72	E 4TH ST	29+26	31.6 RT	TURNING VEHICLES YIELD TO BIKES	R10-15M	REGULATORY			30 X 30	6.25	3	11		NEW SIGN
73	E 4TH ST	29+62	30.3 LT	BICYCLES ALLOWED USE OF FULL LANE	R9-20	REGULATORY			30 X 30	6.25	3	11		NEW SIGN
74	E 4TH ST	29+69	33.2 LT	E 4TH ST	COT 608	STREET NAME	E 4TH ST	800	9 X 30	3.75				REMOVE AND REPLACE
75	E 4TH ST	29+69	33.2 LT	S KENOSHA AV	COT 608	STREET NAME	S KENOSHA AV	400	9 X 42	5.25	3	11	2	REMOVE AND REPLACE
76	E 4TH ST	29+69	33.2 LT	STOP	R1-1	REGULATORY			30 X 30	5.2				REMOVE AND REPLACE
77	E 4TH ST	29+69	33.2 LT	EAST VILLAGE	SPECIAL									TO REMAIN
78	E 4TH ST	29+88	43.3 RT	E 4TH ST	COT 608	STREET NAME	E 4TH ST	800	9 X 30	3.75				REMOVE AND REPLACE
79	E 4TH ST	29+88	43.3 RT	S KENOSHA AV (PRIVATE)	COT 608	STREET NAME	S KENOSHA AV (PRIVATE)	400	9 X 42	5.25	3	11	2	REMOVE AND REPLACE
80	E 4TH ST	29+88	43.3 RT	STOP	R1-1	REGULATORY			30 X 30	5.2				REMOVE AND REPLACE
81	E 4TH ST	30+03	31.8 RT	BICYCLE	W11-1	WARNING								REMOVE
82	E 4TH ST	30+03	31.8 RT	SHARE THE ROAD	W16-1P	WARNING								REMOVE
83	E 4TH ST	30+06	31.2 RT	BIKE LANE	R3-17	REGULATORY			24 X 18	3	3	10		NEW SIGN
84	E 4TH ST	30+20	33.1 LT	PRIDE ST, PRIDE FLAG										TO REMAIN
85	E 4TH ST	30+44	30.6 RT	NO PARKING FROM CORNER	SPECIAL	REGULATORY								REMOVE
86	E 4TH ST	30+48	31.3 LT	ACCESSIBLE PARKING	R7-8	REGULATORY			12 X 18	1.5	3	10		NEW SIGN
87	E 4TH ST	31+06	30.8 RT	TULSA TRANSIT BUS STOP	SPECIAL									TO REMAIN
88	E 4TH ST	31+72	32.0 LT	BICYCLES ALLOWED USE OF FULL LANE	R9-20	REGULATORY			30 X 30	6.25	3	11		NEW SIGN
89	E 4TH ST	32+56	31.4 RT	NO PARKING TO CORNER	SPECIAL	REGULATORY								REMOVE
90	E 4TH ST	32+58	38.3 LT	NO PARKING	R7-2	REGULATORY			12 X 18	1.5	3	10		REMOVE AND REPLACE
91	E 4TH ST	33+23	28.5 LT	BICYCLES ALLOWED USE OF FULL LANE	R9-20	REGULATORY			30 X 30	6.25	3	11		NEW SIGN
92	E 4TH ST	33+38	28.6 RT	TURNING VEHICLES YIELD TO BIKES	R10-15M	REGULATORY			30 X 30	6.25	3	11		NEW SIGN
93	E 4TH ST	33+79	57.3 RT	STOP SIGN	R1-1				30 X 30	5.2	3	11		REMOVE AND REPLACE
94	E 4TH ST	33+99	33.6 RT	BIKE ROUTE	D11-1				24 X 18	3	3	10		REMOVE AND REPLACE
95	E 4TH ST	33+99	33.6 RT	DIRECTIONAL ARROW	M6-3				21 X 15	2.2				REMOVE AND REPLACE
96	E 4TH ST	34+04	31.9 RT	PEDESTRIAN CROSSING	W11-2	WARNING			30 X 30	5.2	3	11		REMOVE AND REPLACE
97	E 4TH ST	34+06	32.9 RT	EMPTY POST										REMOVE POST
98	S LANSING AV	40+48	16.0 LT	E 4TH ST	COT 608	STREET NAME	E 4TH ST	900	9 X 30	3.75				REMOVE AND REPLACE
99	S LANSING AV	40+48	16.0 LT	S LANSING AV	COT 608	STREET NAME	S LANSING AV	400	9 X 42	5.25	3	11	2	REMOVE AND REPLACE
100	S LANSING AV	40+48	16.0 LT	STOP	R1-1	REGULATORY			30 X 30	5.2				REMOVE AND REPLACE
101	S LANSING AV	40+57	20.4 RT	PRIDE ST, PRIDE FLAG										TO REMAIN
102	S LANSING AV	40+77	16.5 RT	NO PARKING	SPECIAL	REGULATORY								REMOVE
103	S LANSING AV	41+81	16.6 RT	NO PARKING	SPECIAL	REGULATORY								REMOVE
104	S LANSING AV	41+86	21.5 RT	WARNING UNDERGROUND CABLE	SPECIAL									TO REMAIN
105	S LANSING AV	42+92	16.6 RT	NO PARKING	SPECIAL	REGULATORY								REMOVE
106	S LANSING AV	43+29	19.6 RT	E 4TH ST	COT 608	STREET NAME	E 3RD ST	900	9 X 30	3.75				NEW SIGN
107	S LANSING AV	43+29	19.6 RT	S LANSING AV	COT 608	STREET NAME	S LANSING AV	300	9 X 42	5.25	3	11	2	NEW SIGN
108	S LANSING AV	43+29	19.6 RT	STOP	R1-1	REGULATORY			30 X 30	5.2				REMOVE AND REPLACE
109	S LANSING AV	43+47	29.2 LT	STOP	R1-1	REGULATORY			30 X 30	5.2	3	11		REMOVE AND REPLACE
110	S LANSING AV	43+47	29.2 LT	ALL WAY	R1-3P	REGULATORY			18 X 6	0.75				REMOVE AND REPLACE
111	S LANSING AV	43+96	31.1 LT	PEDESTRIAN CROSSING	W11-2	WARNING			30 X 30	6.25	3	12		REMOVE AND REPLACE
112	S LANSING AV	43+96	31.1 LT	DIAGONAL DOWNWARD ARROW	W16-7P	WARNING			21 X 15	2.2				REMOVE AND REPLACE
113	S LANSING AV	44+09	21.0 LT	E 3RD ST	COT 608	STREET NAME	E 3RD ST	900	9 X 30	3.75				REMOVE AND REPLACE
114	S LANSING AV	44+09	21.0 LT	S LANSING AV	COT 608	STREET NAME	S LANSING AV	300	9 X 42	5.25	3	11	2	REMOVE AND REPLACE
115	S LANSING AV	44+09	21.0 LT	STOP	R1-1	REGULATORY			30 X 30	5.2				REMOVE AND REPLACE
116	S LANSING AV	44+09	21.0 LT	ALL WAY	R1-3P	REGULATORY			18 X 6	0.75				REMOVE AND REPLACE
117	S LANSING AV	44+39	21.2 LT	NO PARKING	R7-2	REGULATORY								REMOVE
118	S LANSING AV	44+71	22.9 RT	GRADE CROSSING ADVANCE WARNING	W10-1	WARNING			36 DIA	7.1	3	11		NEW SIGN
119	S LANSING AV	45+73	21.8 RT	GRADE CROSSING ADVANCE WARNING	W10-1	WARNING								REMOVE
120	S LANSING AV	46+77	19.9 RT	ONE WAY	R6-1	REGULATORY			36 X 12	3				REMOVE AND REPLACE
121	S LANSING AV	46+77	19.9 RT	E 2ND ST	COT 608	STREET NAME	E 2ND ST	900	9 X 30	3.75	3	12	2	REMOVE AND REPLACE
122	S LANSING AV	46+77	19.9 RT	S LANSING AV	COT 608	STREET NAME	S LANSING AV	200	9 X 42	5.25				REMOVE AND REPLACE
123	S LANSING AV	46+77	19.9 RT	STOP	R1-1	REGULATORY			30 X 30	5.2				REMOVE AND REPLACE
									TOTAL	285	129	459	16	

*STREET SIGN QUANTITY SHOWN FOR 2 SIGNS MOUNTED BACK TO BACK

SUMMARY SHEET (3)

CBD STREET REHABILITATION
4TH ST./LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: NA
PROFILE SCALE: NA
HORIZONTAL: NA
VERTICAL: NA

DRAWN	POE	1/2023	APPROVED:
DESIGNED	POE	1/2023	
SURVEY			
PROJ. MGR.	TMR	5-25	
LEAD ENGR.			
FIELD MGR.			
RECOMMENDED:	HMS	5-25	
DESIGN MANAGER			CITY ENGINEER

FILE: 303913-03-SUMMARY SHEETS.DGN
DATE: 6/19/2025
ATLAS PAGE NO: 1,8
SHEET 12 OF 63 SHEETS

LICENSED PROFESSIONAL ENGINEER
REMINGTON S MADDOX 25
OKLAHOMA
5-5-25

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SUMMARY OF WATER LINE QUANTITIES

ITEM NO.	SPEC. NO.	ITEM DESCRIPTION	UNIT	Waterline "A" SHT 1	Waterline "A" SHT 2	W/L "B" SHT 3	W/L "C" SHT 4	TOTAL
		SUMMARY OF WATERLINE QUANTITIES BASE BID						
69	COT 301	RIGHT-OF-WAY CLEARING AND RESTORING, COMPLETE IN PLACE	SY	161	101	67	136	465
70	COT 302	EXCAVATION AND BACKFILL, UNCLASSIFIED	CY	215	135	90	182	622
71	COT 304	CONSTRUCTION STAKING	EA					1
72	COT 307(A)	6 INCH DIP, CL 50 POLYETHYLENE WRAPPED, (RJ)	LF				163	163
73	COT 307(B)	6 INCH DIP, CL 50 POLYETHYLENE WRAPPED	LF				245	245
74	COT 307(C)	8 INCH DIP, CL 50 POLYETHYLENE WRAPPED, (RJ)	LF	31		112		143
75	COT 307(D)	8 INCH DIP, CL 50 POLYETHYLENE WRAPPED	LF			88		88
76	COT 307(E)	16 INCH DIP, CL 50 POLYETHYLENE WRAPPED, (RJ)	LF	411	253			664
77	COT 307(F)	16 INCH DIP, CL 50 POLYETHYLENE WRAPPED	LF	39	50			89
78	COT 312(A)	8 INCH DUCTILE IRON 22-1/2 DEGREE BEND (RJ)	EA			1		1
79	COT 312(B)	6 INCH DUCTILE IRON 45 DEGREE BEND (RJ)	EA				2	2
80	COT 312(C)	8 INCH DUCTILE IRON 45 DEGREE BEND (RJ)	EA	6		2		8
81	COT 312(D)	6 INCH X 6 INCH DUCTILE IRON TEE (RJ)	EA				2	2
82	COT 312(E)	8 INCH X 8 INCH DUCTILE IRON TEE (RJ)	EA			2		2
83	COT 312(F)	16 INCH X 8 INCH DUCTILE IRON TEE (RJ)	EA	2				2
84	COT 312(G)	16 INCH X 16 INCH DUCTILE IRON TEE (RJ)	EA	-	1			1
85	COT 312(H)	20 INCH X 16 INCH DUCTILE IRON TEE (RJ)	EA	1	-			1
86	COT 312(I)	6 INCH DUCTILE IRON SLEEVE (RJ)	EA			1	2	3
87	COT 312(J)	8 INCH DUCTILE IRON SLEEVE (RJ)	EA	2		1		3
88	COT 312(K)	16 INCH DUCTILE IRON SLEEVE (RJ)	EA	-	2			2
89	COT 312(L)	20 INCH DUCTILE IRON SLEEVE (RJ)	EA	2	-			2
90	COT 312(M)	6 INCH DUCTILE IRON PLUG (RJ)	EA			1	1	2
91	COT 312(N)	16 INCH DUCTILE IRON PLUG (RJ)	EA	1				1
92	COT 315 (A)	3/4" INCH WATER SERVICE CONNECTION (SHORT)	EA				1	1
93	COT 315 (B)	3/4" INCH WATER SERVICE CONNECTION (LONG)	EA				1	1
94	COT 315 (C)	3/4" INCH WATER SERVICE LINE EXTENSION	LF				100	100
95	COT 315 (D)	3/4" INCH WATER METER CAN, LID & RIM	EA				1	1
96	COT 315 (E)	1-1/2 INCH WATER SERVICE CONNECTION (SHORT)	EA				1	1
97	COT 315 (F)	1-1/2 INCH WATER SERVICE CONNECTION (LONG)	EA				1	1
98	COT 315 (G)	1-1/2 INCH WATER SERVICE LINE EXTENSION	LF				100	100
99	COT 315 (H)	1-1/2 INCH WATER METER CAN, LID & RIM	EA				1	1
100	COT 317(A)	6" GATE VALVE (RJ)	EA			2	3	5
101	COT 317(B)	8" GATE VALVE (RJ)	EA	2		2		4
102	COT 317(C)	16" GATE VALVE (RJ)	EA	3	3			6
103	COT 317(D)	20" GATE VALVE (RJ), LAY DOWN	EA	2	-			2
104	COT 317(E)	12 INCH FIRE HYDRANT EXTENSION	EA				1	1
105	COT 317(F)	3-WAY FIRE HYDRANT, IN PLACE	EA				1	1
106	COT 318(A)	VALVE BOX	EA	7	3	4	3	17
107	COT 318(B)	VALVE BOX EXTENSION	VF	7	3	4	3	17
108	COT 329(A)	PAVEMENT, REMOVAL AND REPLACEMENT (6" P.C.C. PAVEMENT)	SY	100			20	120
109	COT 329(B)	PAVEMENT, REMOVAL AND REPLACEMENT (CURB & GUTTER)	LF				10	10
110	COT 329(C)	SAWCUT	LF	200	20	20	60	300
111	COT 333 (A)	ABANDON 6" WATERLINE	LF				408	408
112	COT 333 (B)	ABANDON 16" WATERLINE	LF	450	303			753
113	COT 334	CONSTRUCTION AS-BUILT	EA	-	-			1
114	SPECIAL	OWNER ALLOWANCE	EA	-	-			10,000
115	COT 312P	8 INCH X 6 INCH REDUCER	EA			1		1

SUMMARY OF VALVES & HYDRANTS

WATERLINE	STATION	NORTHING	EASTING	TYPE	QUANTITY	OFFSET	ELEVATION
A	50+00.50	426147.54	2562752.68	20" GATE VALVE	1	3' RT	731
A	50+00.50	426147.54	2562752.68	20" GATE VALVE	1	3' LT	731
A	50+00.50	426147.54	2562752.68	16" GATE VALVE	1	-	731
A	53+67.07	426299.30	2563086.34	16" GATE VALVE	1	-	718
A	53+67.07	426299.30	2563086.34	8" GATE VALVE	1	3' RT	718
A	53+74.96	426302.56	2563093.51	8" GATE VALVE	1	3' LT	718
A	53+74.96	426302.56	2563093.51	16" GATE VALVE	1	-	718
A	57+53.05	4264259.10	2563437.67	16" GATE VALVE	1	-	711
A	57+53.05	4264259.10	2563437.67	16" GATE VALVE	1	3' RT	711
A	57+53.05	4264259.10	2563437.67	16" GATE VALVE	1	3' LT	711
B	33+57.39	426857.26	2564494.38	8" GATE VALVE	1	-	710
B	33+57.39	426857.26	2564494.38	6" GATE VALVE	1	3' LT	710
B	33+79.03	426857.66	2564516.01	8" GATE VALVE	1	-	710
B	33+79.03	426857.66	2564516.01	6" GATE VALVE	1	3' RT	710
C	43+02.96	427190.53	2564513.71	3-WAY FIRE HYDRANT	1	25.59 ' RT	706
C	43+53.29	427240.38	2564487.18	6" GATE VALVE	1		706
C	43+53.29	427240.38	2564487.18	6" GATE VALVE	1	3' RT	706
C	43+53.29	427240.38	2564487.18	6" GATE VALVE	1	3' LT	706

SUMMARY OF WATER METERS

WATERLINE	STATION	OFFEST	ADDRESS	SERVICE SIZE	METER CAN SIZE	METER SERIAL NUMBER
C	41+36.73	17.13 LT	817 E 4TH STREET	1.5"	1.5"	172108|1010|001
C	42+81.64	21.16 LT	308 S LANSING AVENUE	3/4"	3/4"	172107|1010|001

RESTRAINED JOINT LENGTH (FEET)	
6" 45° (VERT.)	29.0
8" 22.5° (HORZ.)	10.0
8" 45° (HORZ.)	20.0
8" 45° (VERT.)	38.0
6" TEE	10.0
6" VALVE	69.0
8" VALVE	90.0
16" VALVE	164.0
20" VALVE	199.0

CALCULATED USING THRUST RESTRAINT CALCULATOR FOUND HERE: https://rlc.ebaa.com/calculator.php

INPUTS: TYPE 4, CL. 4' COVER, 150 PSI, AND 1.5 SAFETY FACTOR. ALL LENGTHS ARE POLYWRAPPED.

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

LICENSED PROFESSIONAL ENGINEER REMINGTON S. MADDOX OKLAHOMA 5-5-25

TWUA-W 23-13

SUMMARIES (WATERLINE)

CBD STREET REHABILITATION
4TH ST./LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: NA
PROFILE SCALE:
HORIZONTAL: NA
VERTICAL NA

DRAWN	POE	1/2023	APPROVED:
DESIGNED	POE	1/2023	
SURVEY			
PROJ. MGR.		105.06	
LEAD ENGR.	LGW	6/25	
FIELD MGR.			
RECOMMENDED:	HAS 5.25		CITY ENGINEER
DESIGN MANAGER			

FILE: 303913-03-PAY QUANTITY_WL.DGN
DATE: 6/9/2025
ATLAS PAGE NO: 1,8
SHEET 13 OF 63 SHEETS

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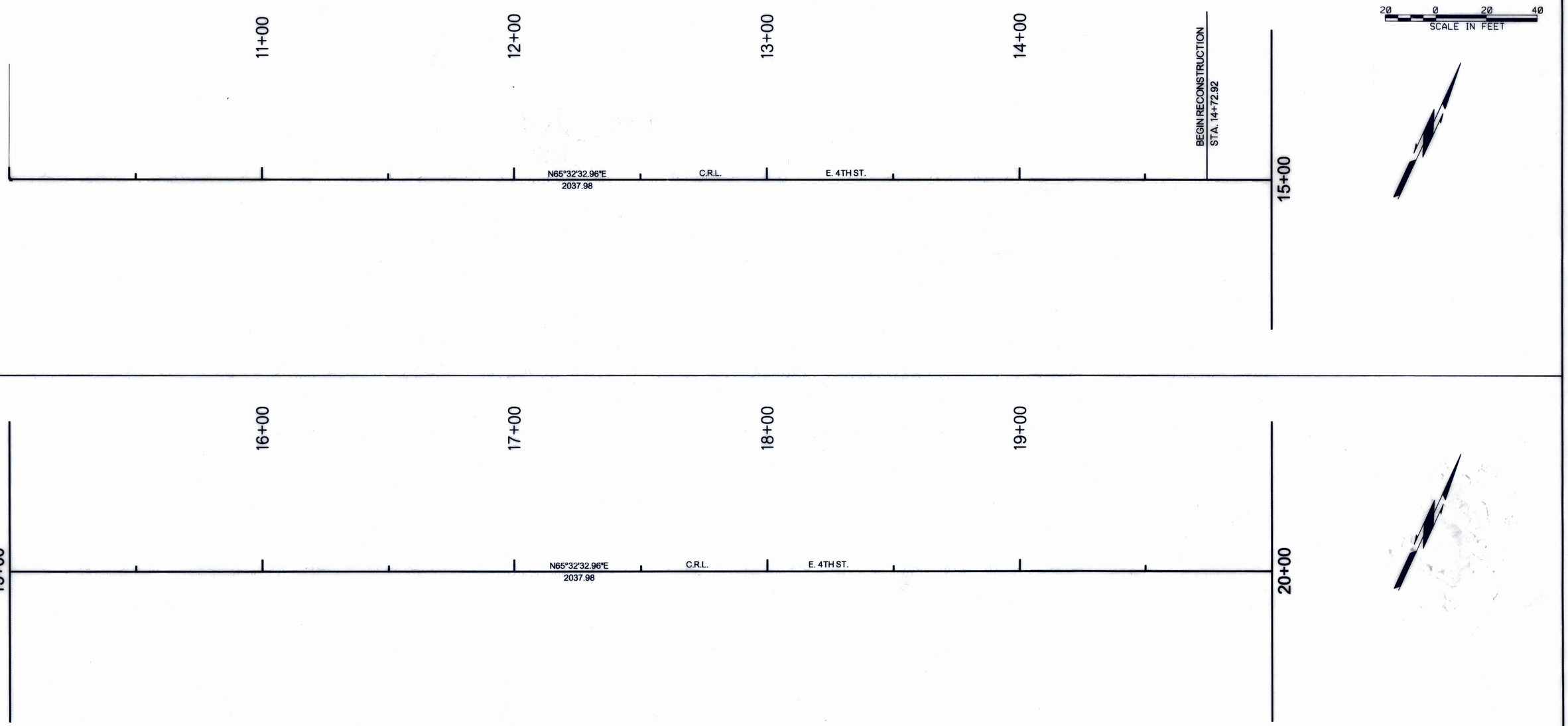

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BEFORE YOU DIG 811 1-800-522-OKIE CALL OKIE

LICENSED PROFESSIONAL ENGINEER REMINGTON S. HADDOX 25 OKLAHOMA

5-5-25

REVISION	BY	DATE

GEOMETRIC SHEET (1)

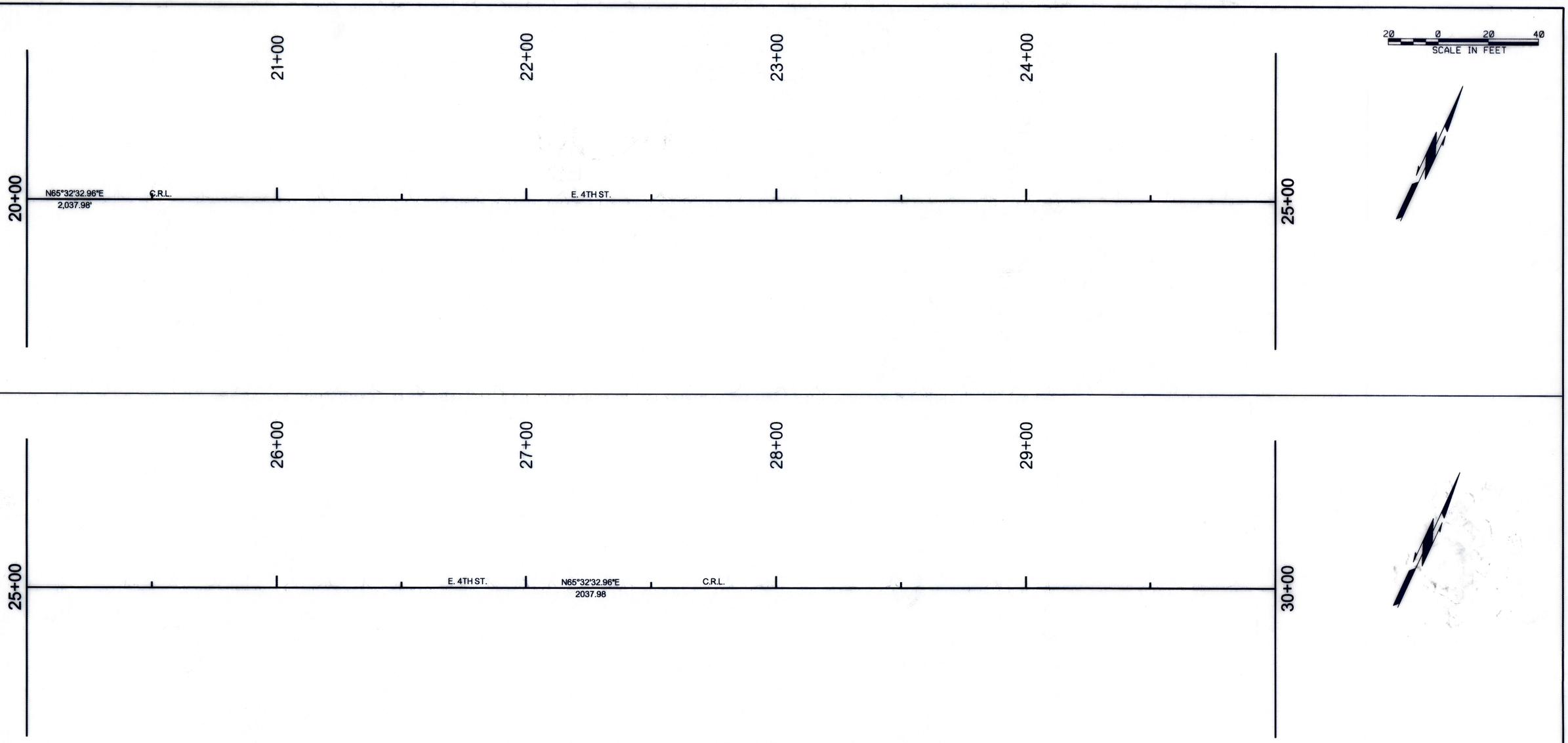
CBD STREET REHABILITATION
4TH ST. LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1"=20'	DRAWN	POE	1/2023	APPROVED:
	DESIGNED	POE	1/2023	
	SURVEY	DT	6/2023	
PROFILE SCALE:	PROJ. MGR.	MB	5-25	
HORIZONTAL: N/A	LEAD ENGR.	DD	6/25	
	FIELD MGR.			
VERTICAL N/A	RECOMMENDED: DESIGN MANAGER	HAS	5-25	CITY ENGINEER

FILE: 303913-03-GEOMETRIC SHEETS.DGN
DATE: 6/9/2025
ATLAS PAGE NO: 1.8
SHEET 14 OF 63 SHEETS



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

LICENSED PROFESSIONAL ENGINEER REMINGTON S. MADDOX 21 OKLAHOMA

5-5-25

REVISION	BY	DATE

GEOMETRIC SHEET (2)

CBD STREET REHABILITATION
4TH ST. LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

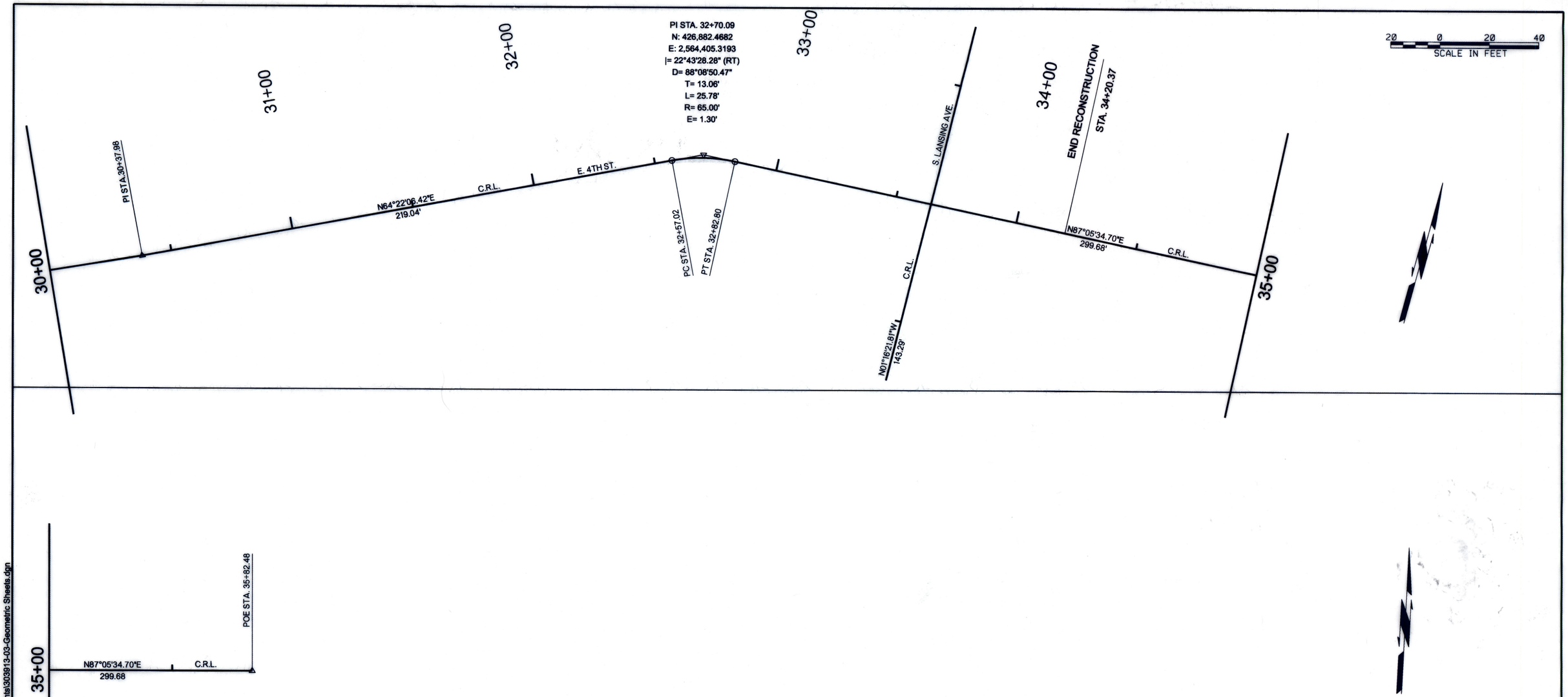
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1"=20'	DRAWN	POE	1/2023	APPROVED:
	DESIGNED	POE	1/2023	
	SURVEY	DT	6/2023	
PROFILE SCALE:	PROJ. MGR.		5-25	
HORIZONTAL: N/A	LEAD ENGR.		6/25	
	FIELD MGR.			
VERTICAL N/A	RECOMMENDED: DESIGN MANAGER		5-25	CITY ENGINEER

FILE: 303913-03-GEOMETRIC SHEETS.DGN — DATE: 6/9/2025

ATLAS PAGE NO: 1,8 — SHEET 15 OF 63 SHEETS



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

LICENSED PROFESSIONAL ENGINEER REMINGTON S. MADDOX 28 OKLAHOMA 5-5-25

REVISION	BY	DATE

GEOMETRIC SHEET (3)

CBD STREET REHABILITATION
4TH ST. LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1"=20'	DRAWN	POE	1/2023	APPROVED:
	DESIGNED	POE	1/2023	
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PROFILE SCALE:	PROJ. MGR.	RD	5-25	
HORIZONTAL: N/A	LEAD ENGR.	RD	6/25	
	FIELD MGR.			
VERTICAL N/A	RECOMMENDED DESIGN MANAGER	HRS 5-25		CITY ENGINEER

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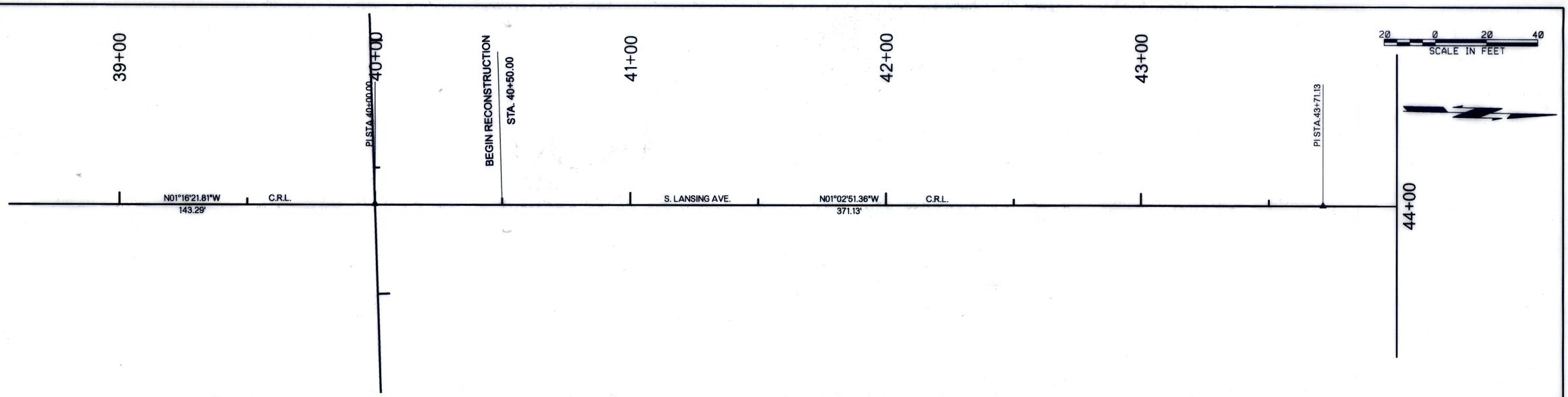
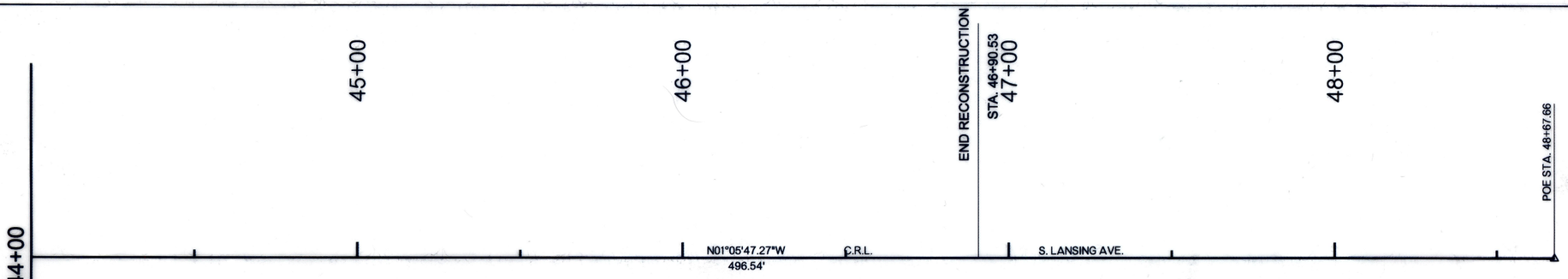
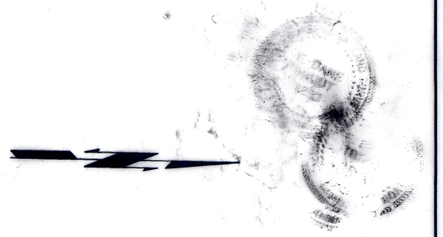
ATLAS PAGE NO: 1.8 SHEET 16 OF 63 SHEETS







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

LICENSED PROFESSIONAL ENGINEER REMINGTON S MADDOX 22 OKLAHOMA
5-5-25

REVISION	BY	DATE

GEOMETRIC SHEET (4)

CBD STREET REHABILITATION
4TH ST. LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
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	FIELD MGR.			
VERTICAL N/A	RECOMMENDED: DESIGN MANAGER	HBS	5-25	CITY ENGINEER

FILE: 303913-03-Geometric Sheets
DATE: 6/9/2025
ATLAS PAGE NO: 1,8
SHEET 17 OF 63 SHEETS

MATCHLINE

3

215

324
John K. Malmquist
and
Susan J. Finegan Malmquist
et al
4

13+00

14+00

80'

301
327 S. Elgin Street, LLC
5

Tulsa Original Townsite
BLOCK 116

15+00

16+00

80'

327
327 S. Elgin Street, LLC
4

17+00

18+00

S. Elgin Avenue

13 14 15 16 17 18 19 20 21 22 23 24

401
401 East 4th St, LLC

Church Subdivision, a Resubdivision of
Tulsa Original Townsite
BLOCK 115

19+00

20+00

21+00

423
Frankfort Studio, LLC

80'

N65°32'32.96"E
2,037.98'

E.R.L.

MATCHLINE

CP 116 MAGS

BM 117 MAGS

CP 118 MAGS

403
BLOCK 138

80'

6

First Baptist Church
of Tulsa, Oklahoma
401
Tulsa Original Townsite

1

80'

East End Village, LLC
414
6

Tulsa Original Townsite
BLOCK 140

East End Village, LLC
414
1

MATCHLINE

S. Frankfort Avenue

22+00

23+00

24+00

25+00

80'
VACATED STREET

26+00

27+00

3

Townsite

321
CDM Dock, LLC
5

Tulsa Original Townsite
BLOCK 114

520
520, Inc.
4

60
Gary W. and Margaret M. Watkins
4

611
611 STP, LLC

615

80'

CP 120 MAGS

E. 4th Street

CP 119 MAGS

6

Big Mo, LLC
411

Tulsa Original Townsite
BLOCK 141

1

Big Mo, LLC
520

Bonhomme Richard, LLC
600

Tulsa Original Townsite
BLOCK 142

MATCHLINE

1 inch = 30 ft.

30 0 30 60

R. 12 E.

E. ARCHER STREET

S. ELWOOD AVE.

S. PEORIA AVE.

T. 19 N.

5

E. 11TH STREET

E. Dane Trout P.L.S. #1893 6-10-25

SURVEYORS CERTIFICATE

I, E. Dane Trout of Tulsa County, State of Oklahoma, and a Professional Surveyor, do hereby certify that the above shown survey is true and correct to the best of my knowledge.

WITNESS MY HAND AND SEAL THIS xxth DAY OF xx, 20xx

LEGEND

PRESENT R/W

EX. EASEMENTS

LOT LINE

RIGHT-OF-ENTRY

RIGHT-OF-ENTRY INFORMATION				
ADDRESS	LOT	BLK.	SUBDIVISION	OWNERSHIP
401 S. DETROIT AVE	1	139	TULSA ORIGINAL TOWNSITE	FIRST BAPTIST CHURCH OF TULSA

48 HOURS BEFORE YOU DIG...CALL OKIE
1-800-522-6543
Oklahoma One-Call System, Inc.

SURVEY DATA SHEET (1)

CBD STREET REHABILITATION
LANSING AVE 4TH ST.
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

TROUT LAND SURVEYING, LLC
918.734.3423 - 5710 S. Garnett Tulsa, OK 74146
CA 7312 (LS) 6/30/2017

PLAN SCALE: 1"= 30'	DRAWN	EDT	APPROVED:
	DESIGNED		
	SURVEY	EDT	
PROFILE SCALE:	FIELD MNGR.		
HORIZONTAL:	SECT. MNGR.	6/25	
N/A	PROJ. MNGR.	5-25	
VERTICAL:	RECOMMENDED:	5-25	
N/A	DESIGN MANAGER		PUBLIC WORKS DIRECTOR
	FILE:		DATE: 6/9/2025
	ATLAS PAGE NO.: 1,8		SHEET 18 OF 63 SHEETS



1 inch = 30 ft.

30 0 30 60

R. 12 E.

E. ARCHER STREET

S. ELWOOD AVE.

S. PEORIA AVE.

5

T. 19 N.

E. 11TH STREET

LEGEND

PRESENT R/W

EX. EASEMENTS

LOT LINE

RIGHT-OF-ENTRY

LICENSED PROFESSIONAL LAND SURVEYOR E. DANE TROUT 1893 OKLAHOMA

E. DANE TROUT P.L.S. #1893 6-10-25

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Oklahoma One-Call System, Inc.

SURVEY DATA SHEET (2)

CBD STREET REHABILITATION
LANSING AVE 4TH ST.
PROJECT NOS. 2036D0001Z & 2036D0006Z

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	PROJ. MNGR.	MD 5-25	
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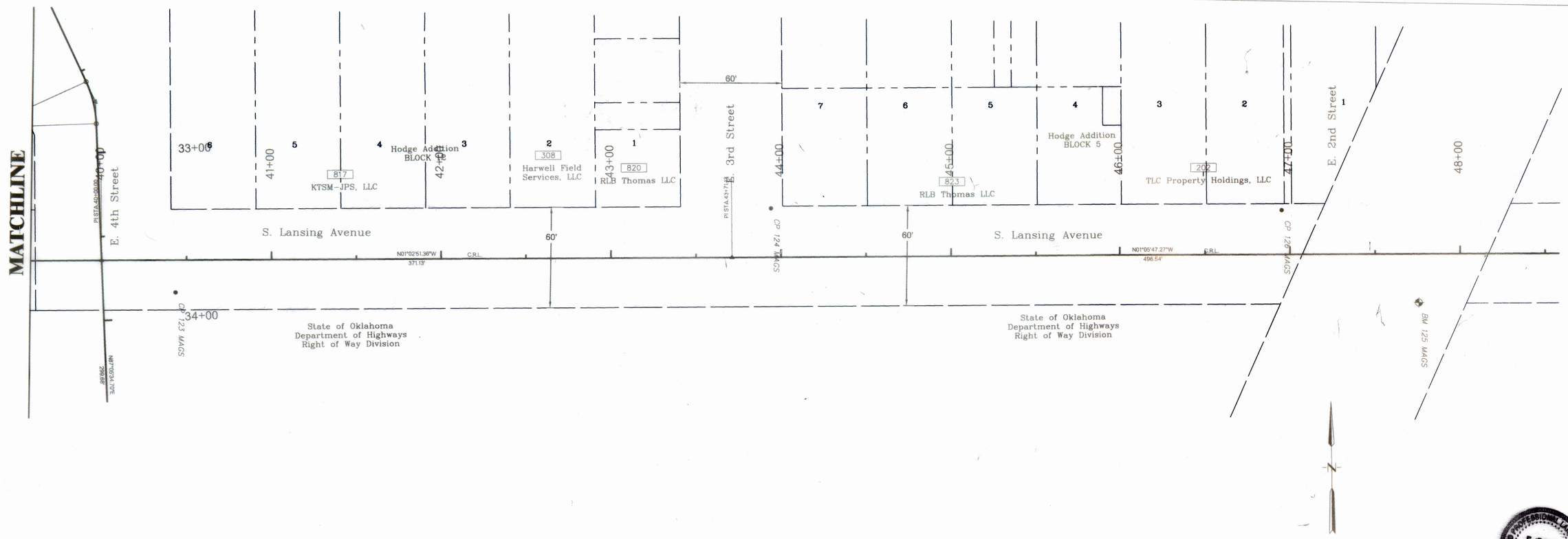
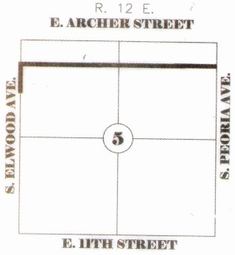
FILE:			DATE: 6/9/2025
ATLAS PAGE NO.: 1,8			SHEET 19 OF 63 SHEETS





E. DANE TROUT, P.L.S. #1893

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WITNESS MY HAND AND SEAL THIS xxth DAY OF xx, 20xx

LEGEND

- PRESENT R/W
- EX. EASEMENTS
- LOT LINE
- RIGHT-OF-ENTRY

48 HOURS BEFORE YOU DIG...CALL OKIE
1-800-522-6543
Oklahoma One-Call System, Inc.

SURVEY DATA SHEET (3)

CBD STREET REHABILITATION
LANSING AVE 4TH ST.
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

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918.734.3423 · 5710 S. Garnett Tulsa, OK 74146
CA 7312 (LS) 6/30/2017

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PROFILE SCALE:	FIELD MNGR.		
HORIZONTAL: N/A	SECT. MNGR.	5-25	
	PROJ. MNGR.	5-25	
VERTICAL: N/A	RECOMMENDED: DESIGN MANAGER	5-25	PUBLIC WORKS DIRECTOR
FILE:			DATE 6/9/2025
ATLAS PAGE NO.: 1,8			SHEET 20 OF 61 SHEETS

STORM WATER MANAGEMENT PLAN

REVISIONS	
DESCRIPTION	DATE

SITE DESCRIPTION

PROJECT LIMITS: E. 4TH ST. FROM S. DETROIT AVE. TO S. LANSING AVE.
S. LANSING AVE. FROM E. 4TH ST. TO E. 2ND ST.

PROJECT DESCRIPTION: RECONSTRUCTION OF EXISTING APC TO NEW PCC STREETS
UPGRADING STORMWATER INLETS AND REPLACING WATERLINE.

SUGGESTED SEQUENCE OF EROSION CONTROL ACTIVITIES:

(1) PLACE ALL TEMPORARY EROSION CONTROL DEVICES THAT WILL NOT INTERFERE WITH TOPSOIL SALVAGING OPERATIONS.

(2) PERFORM TOPSOIL SALVAGING OPERATIONS, PRESERVING ANY VEGETATION NOT IMPEDING CONSTRUCTION.

(3) PERFORM GRADING OPERATIONS, PLACING REMAINING TEMPORARY EROSION CONTROL DEVICES AS REQUIRED.

(4) PLACE PERMANENT EROSION CONTROL DEVICES ON ULTIMATE SLOPES OR AS DIRECTED BY THE ENGINEER.

(5) REMOVE TEMPORARY EROSION CONTROL DEVICES.

SOIL TYPE: MOIST LEAN CLAY

TOTAL AREA OF THE CONSTRUCTION SITE:

ESTIMATED AREA TO BE DISTURBED: 3.0 ACRES

OFFSITE AREA TO BE DISTURBED: (FOR CONTRACTOR USE)

TOTAL IMPERVIOUS AREA PRE-CONSTRUCTION: 95%

TOTAL IMPERVIOUS AREA POST-CONSTRUCTION: 95%

POST-CONSTRUCTION RUNOFF COEFFICIENT OF THE SITE: 0.90

LATITUDE & LONGITUDE OF CENTER OF PROJECT: 36°09'16.3"N 95°59'04.7"W

PROJECT WILL DISCHARGE TO:

NAME OF RECEIVING WATERS: ARKANSAS RIVER

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

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

IF YES, LIST IMPAIRMENT: 5A - CADMIUM

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

LAKE THUNDERBIRD TMDL: YES [ ] NO [X]

MS4 ENTITY YES [X] NO [ ]

IF YES, LOCATION: OKS 000201, TULSA, OK

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

REVISED 07 / 13 / 2017

EROSION AND SEDIMENT CONTROLS

SOIL STABILIZATION PRACTICES:

- ____ TEMPORARY SEEDING
- __X__ PERMANENT SODDING, SPRIGGING OR SEEDING
- ____ VEGETATIVE MULCHING
- ____ SOIL RETENTION BLANKET
- __X__ PRESERVATION OF EXISTING VEGETATION

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

STRUCTURAL PRACTICES:

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

OFFSITE VEHICLE TRACKING:

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

NOTES:



THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE FOLLOWING:

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

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

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

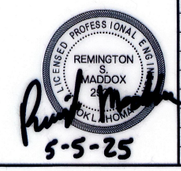
GENERAL NOTES:
A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IS REQUIRED TO COMPLY WITH THE OKLAHOMA POLLUTION DISCHARGE ELIMINATION SYSTEM (OPDES) REGULATIONS. THIS PLAN IS INITIATED DURING THE DESIGN PHASE, CONFIRMED IN THE PRE-WORK MEETINGS AND AVAILABLE ON THE JOB SITE ALONG WITH COPIES OF THE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

THE FOLLOWING SECTIONS OF THE 2019 ODOT STANDARD SPECIFICATIONS SHOULD BE NOTED:

103.05	BONDING REQUIREMENTS
104.10	FINAL CLEANING UP
104.12	CONTRACTOR'S RESPONSIBILITY FOR WORK
104.13	ENVIRONMENTAL PROTECTION
106.08	STORAGE AND HANDLING OF MATERIAL
107.01	LAWS, RULES AND REGULATIONS TO BE OBSERVED
107.20	STORM WATER MANAGEMENT
220	MANAGEMENT OF EROSION, SEDIMENTATION AND STORM WATER POLLUTION PREVENTION 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, NOVEMBER 1, 2023.



REVISION	BY	DATE

STORM WATER MANAGEMENT PLAN

CBD STREET REHABILITATION
4TH ST. LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

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Tulsa, Oklahoma

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	FIELD MGR.			
VERTICAL N/A	RECOMMENDED: HAS		5-25	CITY ENGINEER
	DESIGN MANAGER			
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ATLAS PAGE NO: 1,8			SHEET 21 OF 63 SHEETS	

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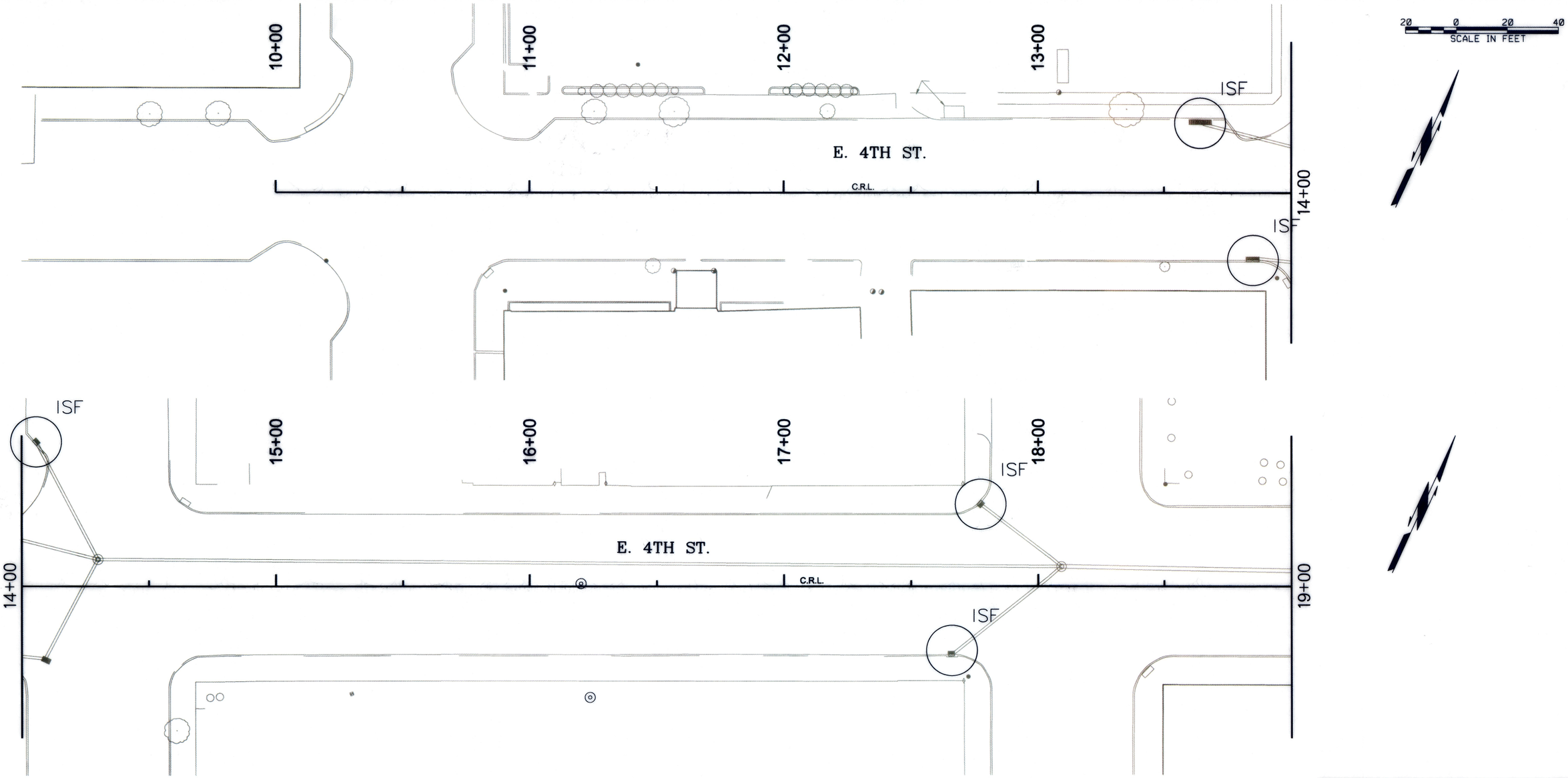

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LEGEND

ISF — INLET SEDIMENT FILTER

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

LICENSED PROFESSIONAL ENGINEER REMINGTON S. MADDOX OKLAHOMA

5-5-25

REVISION	BY	DATE

EROSION CONTOL PLAN (1)

CBD STREET REHABILITATION
4TH ST. LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

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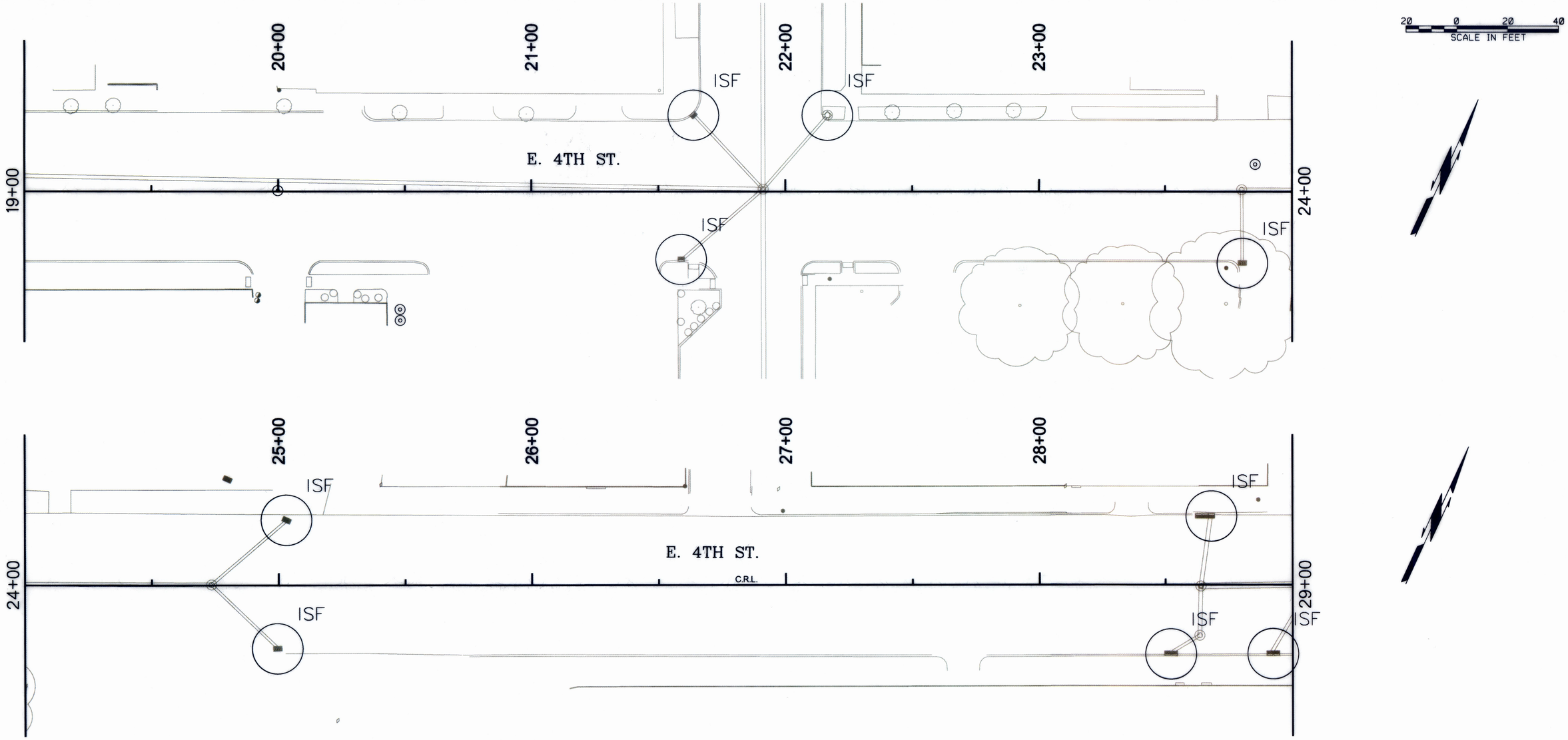
FILE: 303913-03 EROSION CONTROL.DGN				DATE: 6/9/2025
ATLAS PAGE NO: 1,8				SHEET 22 OF 63 SHEETS



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LICENSED PROFESSIONAL ENGINEER REMINGTON S. MADDOX 2[illegible] OKLAHOMA

5-5-25

REVISION	BY	DATE

EROSION CONTOL PLAN (2)

CBD STREET REHABILITATION
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FILE: 303913-03 EROSION CONTROL.DGN				DATE: 6/9/2025
ATLAS PAGE NO: 1,8				SHEET 23 OF 63 SHEETS

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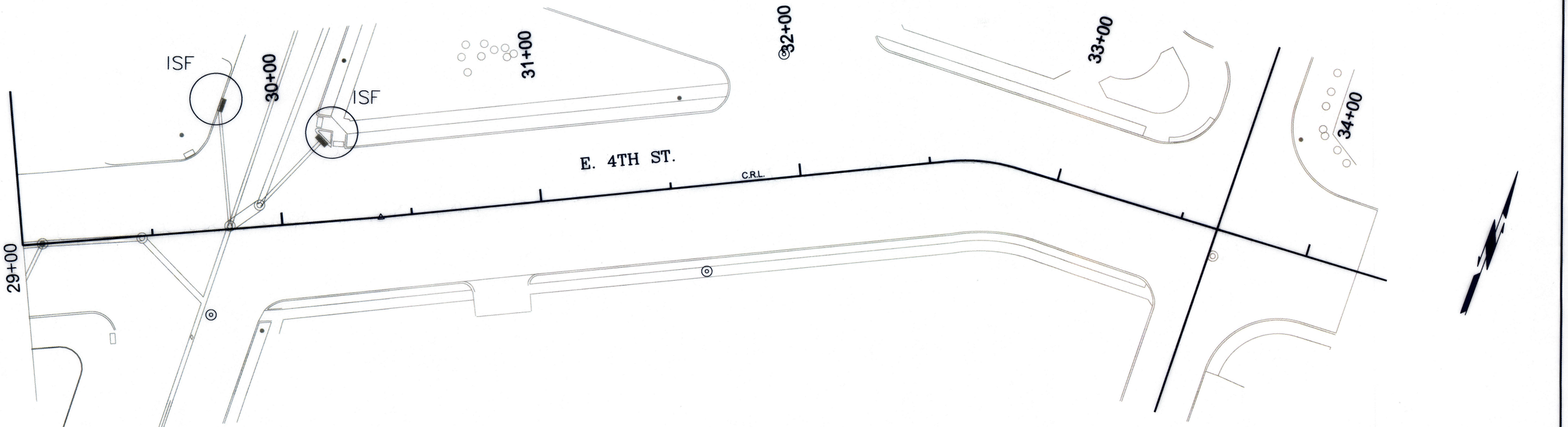

LEGEND

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LICENSED PROFESSIONAL ENGINEER
REMINGTON S MADDOX
20
OKLAHOMA
5-5-25

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EROSION CONTOL PLAN (3)

CBD STREET REHABILITATION
4TH ST. LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1"=20'	DRAWN	POE	1/2023	APPROVED:
	DESIGNED	POE	1/2023	
	SURVEY	DT	6/2023	
PROFILE SCALE:	PROJ. MGR.	MD	5-25	
HORIZONTAL: N/A	LEAD ENGR.	MD	5-25	
	FIELD MGR.			
VERTICAL N/A	RECOMMENDED DESIGN MANAGER	HBS 5-25		CITY ENGINEER
FILE: 303913-03 EROSION CONTROL.DGN				DATE: 6/9/2025
ATLAS PAGE NO: 1.8				SHEET 24 OF 63 SHEETS

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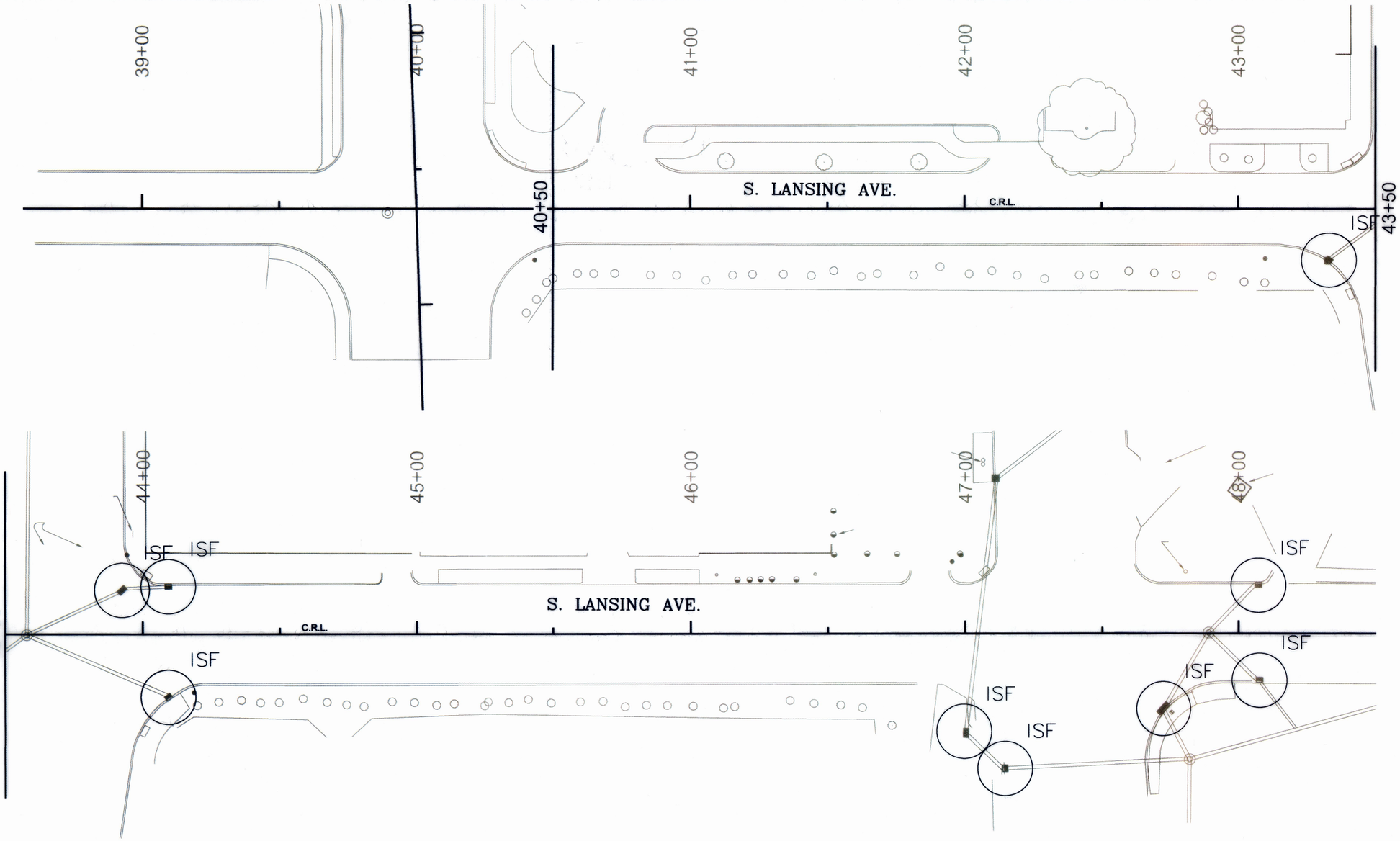

20 0 20 40
SCALE IN FEET

LEGEND

ISF — INLET SEDIMENT FILTER

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

LICENSED PROFESSIONAL ENGINEER REMINGTON S. HADDOX 21 OKLAHOMA 5-5-25

REVISION	BY	DATE

EROSION CONTOL PLAN (4)

CBD STREET REHABILITATION
4TH ST. LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1"=20'	DRAWN	POE	1/2023	APPROVED:
	DESIGNED	POE	1/2023	
	SURVEY	DT	6/2023	
PROFILE SCALE:	PROJ. MGR.	RH	5-25	
HORIZONTAL: N/A	LEAD ENGR.	RH	6/25	
	FIELD MGR.			
VERTICAL N/A	RECOMMENDED: DESIGN MANAGER	HAS	5-25	CITY ENGINEER
FILE: 303913-03 EROSION CONTROL.DGN				DATE: 6/9/2025
ATLAS PAGE NO: 1,8				SHEET 25 OF 63 SHEETS

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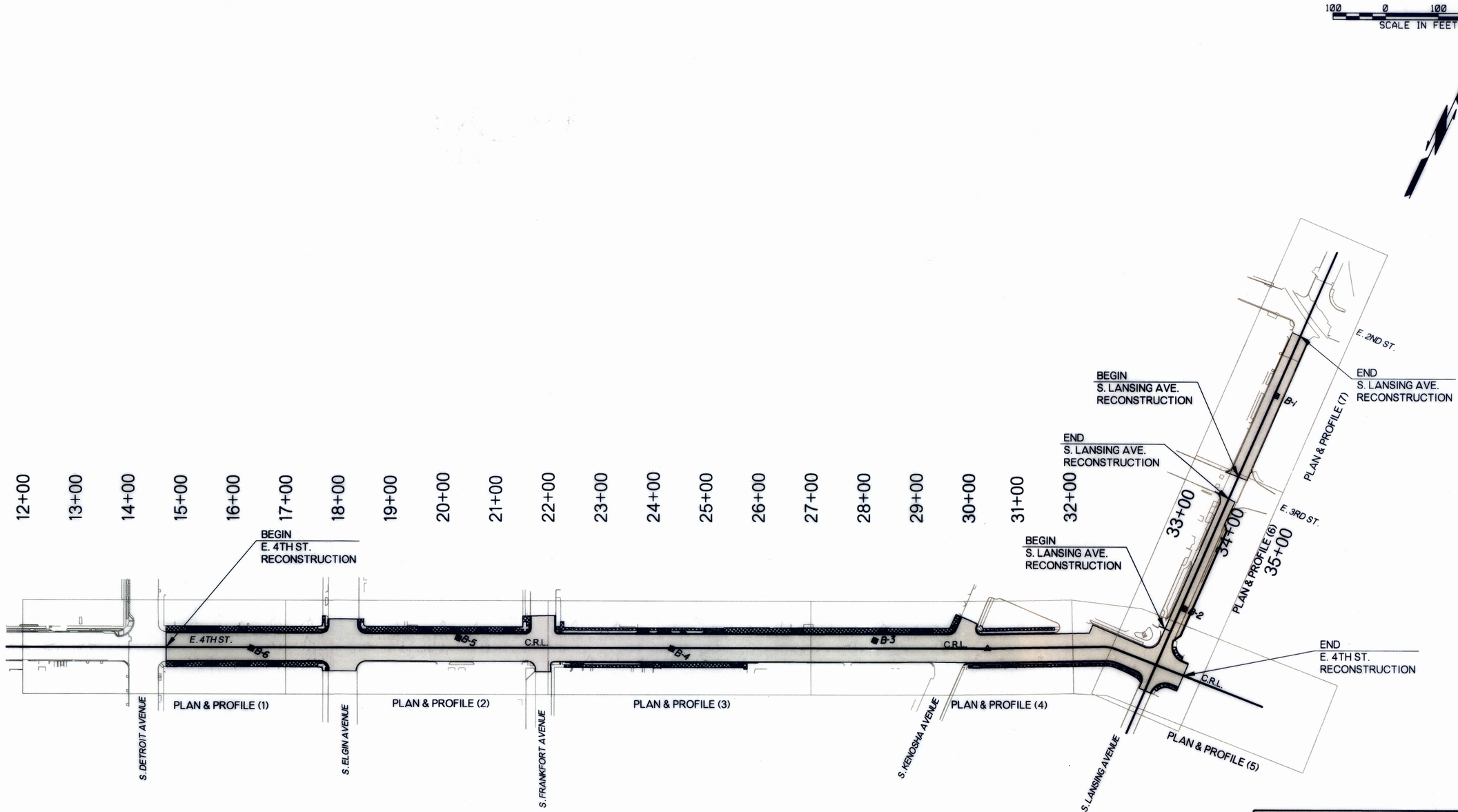

LEGEND

P.C. CONCRETE RECONSTRUCTION

BORE HOLE LOCATIONS

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

LICENSED PROFESSIONAL ENGINEER REMINGTON S. MADDOX 26 OKLAHOMA

5-5-25

REVISION	BY	DATE

KEY MAP (ROADWAY)

CBD STREET REHABILITATION
4TH ST./LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1"=100'	DRAWN	POE	1/2023	APPROVED:
	DESIGNED	POE	1/2023	
	SURVEY	DT	6/2023	
PROFILE SCALE:	PROJ. MGR.	[illegible]	5-25	
HORIZONTAL: N/A	LEAD ENGR.	[illegible]	6/25	
	FIELD MGR.			
VERTICAL N/A	RECOMMENDED: HAS 5-25 DESIGN MANAGER			CITY ENGINEER
FILE: 303913-03-KEY MAP- ROADWAY.DGN				DATE: 6/9/2025
ATLAS PAGE NO: 1,8				SHEET 26 OF 63 SHEETS

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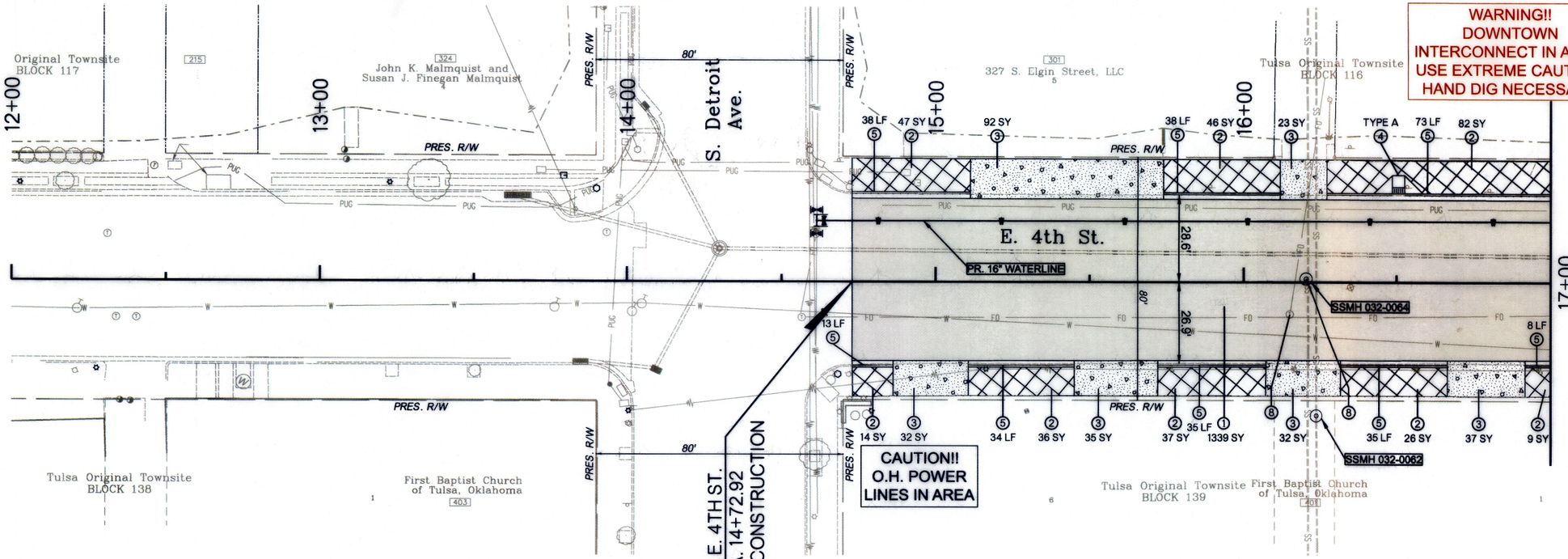

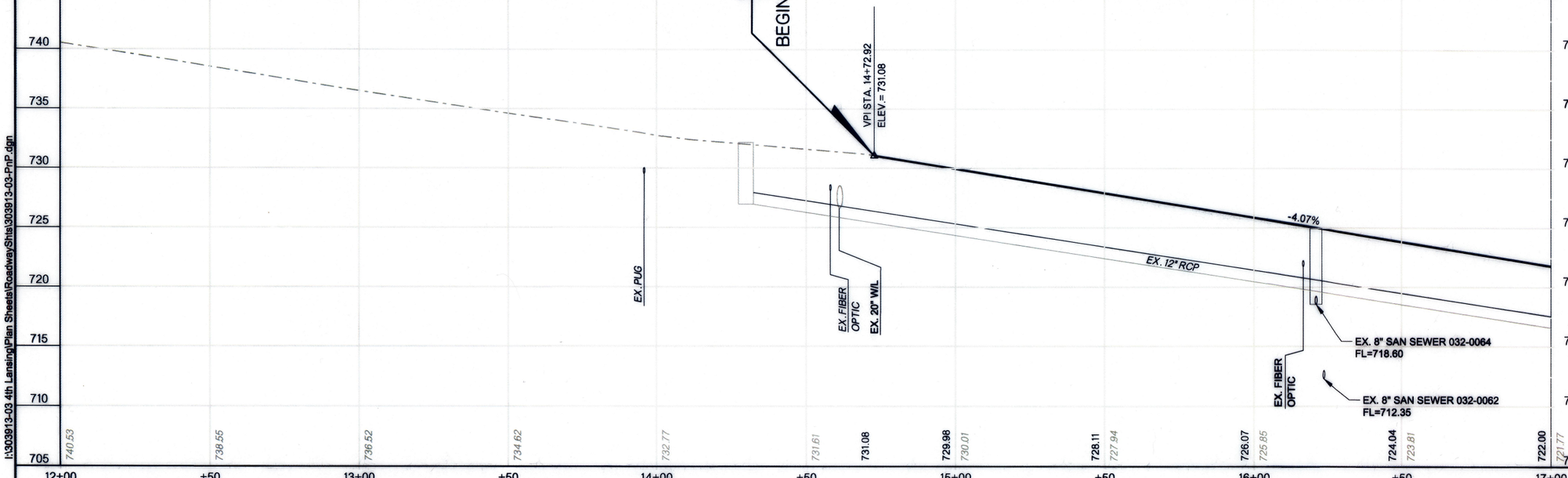

CONTROL:

CP 116
STA. 13+94.44, 34.03' RT
N= 426070.631
E= 2562714.086
ELEV.= 731.4514

BM 117
STA. 15+29.64, 42.57' RT
N= 426118.833
E= 2562840.681
ELEV.= 728.1841

LEGEND

1. P.C.C. RECONSTRUCTION
2. CONSTRUCT SIDEWALK
3. CONSTRUCT DRIVEWAY
4. CONSTRUCT CURB RAMP
5. CONSTRUCT 6" CURB & GUTTER
6. CONSTRUCT MANHOLE
7. CONSTRUCT INLET
8. ADJUST MANHOLE TO GRADE
9. ADJUST INLET TO GRADE
10. ADJUST WATER OR GAS VALVETO GRADE
11. ADJUST WATER METER BOX TO GRADE

P.C.C. CONST.
DRIVEWAY CONST.
SIDEWALK

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

LICENSED PROFESSIONAL ENGINEER REMINGTON S MADDOX 20 OKLAHOMA
5-5-25

REVISION	BY	DATE

PLAN & PROFILE (1)
4TH STREET

CBD STREET REHABILITATION
4TH ST. LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1"=20'	DRAWN	POE	1/2023	APPROVED:
	DESIGNED	POE	1/2023	
	SURVEY	DT	6/2023	
PROFILE SCALE:	PROJ. MGR.	JD	5-25	
HORIZONTAL: 1"=20'	LEAD ENGR.		6/25	
	FIELD MGR.			
VERTICAL 1" = 5'	RECOMMENDED DESIGN MANAGER	MJS	5-25	CITY ENGINEER

FILE: 303913-03-PnP
DATE: 6/9/2025
ATLAS PAGE NO: 1,8
SHEET 27 OF 63 SHEETS

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WARNING!!
DOWNTOWN
INTERCONNECT IN AREA.
USE EXTREME CAUTION.
HAND DIG NECESSARY

HORIZONTAL SCALE IN FEET
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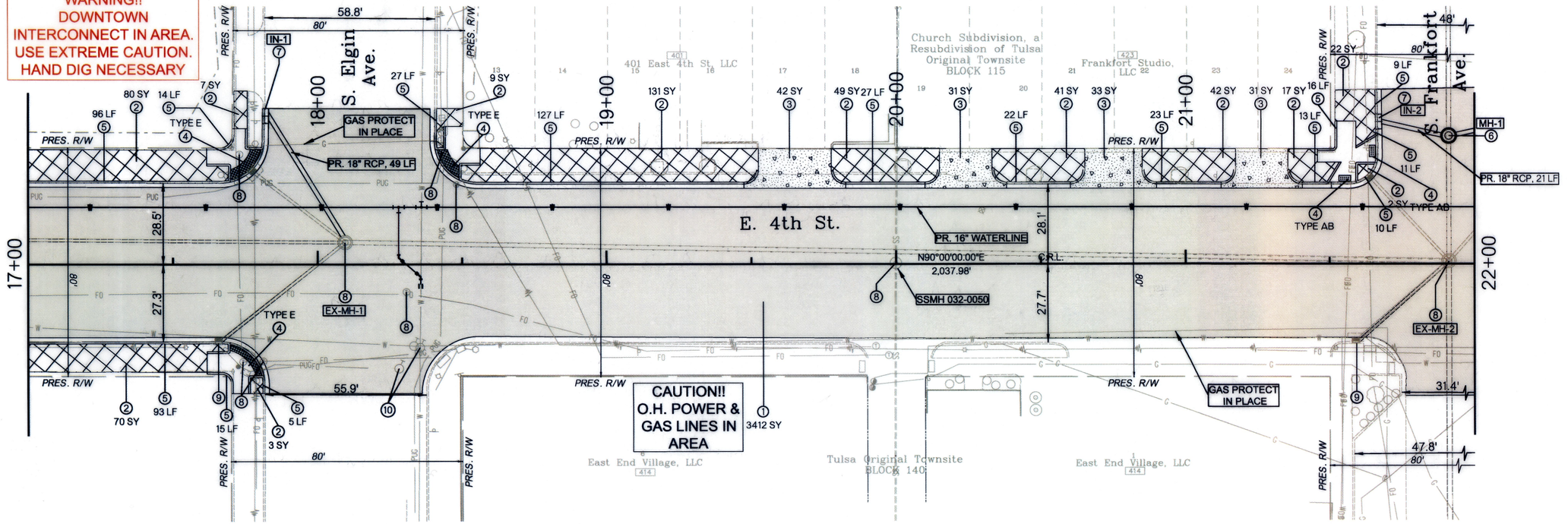
5 0 5 10
VERTICAL SCALE IN FEET



735 735

730 730

725 725

720 720

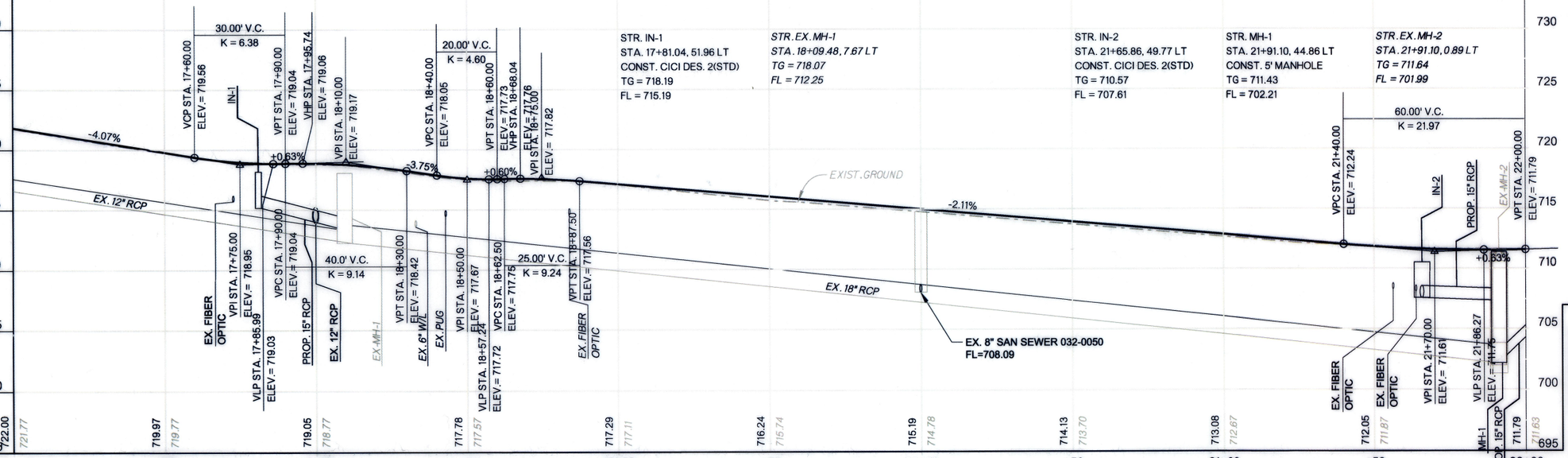
715 715

710 710

705 705

700 700

695 695



STR. IN-1
STA. 17+81.04, 51.96 LT
CONST. CICI DES. 2(STD)
TG = 718.19
FL = 715.19

STR. EX. MH-1
STA. 18+09.48, 7.67 LT
TG = 718.07
FL = 712.25

STR. IN-2
STA. 21+65.86, 49.77 LT
CONST. CICI DES. 2(STD)
TG = 710.57
FL = 707.61

STR. MH-1
STA. 21+91.10, 44.86 LT
CONST. 5' MANHOLE
TG = 711.43
FL = 702.21

STR. EX. MH-2
STA. 21+91.10, 0.89 LT
TG = 711.64
FL = 701.99

CONTROL:
CP 118
STA. 17+72.41, 35.86' RT
N= 426225.458
E= 2563058.895
ELEV.= 718.6519

LEGEND

1. P.C.C. RECONSTRUCTION
2. CONSTRUCT SIDEWALK
3. CONSTRUCT DRIVEWAY
4. CONSTRUCT CURB RAMP
5. CONSTRUCT 6" CURB & GUTTER
6. CONSTRUCT MANHOLE
7. CONSTRUCT INLET
8. ADJUST MANHOLE TO GRADE
9. ADJUST INLET TO GRADE
10. ADJUST WATER OR GAS VALVETO GRADE
11. ADJUST WATER METER BOX TO GRADE

P.C.C. CONST.
DRIVEWAY CONST.
SIDEWALK

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

LICENSED PROFESSIONAL ENGINEER REMINGTON S. MADDOX 22 OKLAHOMA
5-5-25

REVISION	BY	DATE

PLAN & PROFILE (2)
4TH STREET

CBD STREET REHABILITATION
4TH ST. LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1"=20'	DRAWN	POE	1/2023	APPROVED:
	DESIGNED	POE	1/2023	
	SURVEY	DT	6/2023	
PROFILE SCALE:	PROJ. MGR.			
HORIZONTAL: 1"=20'	LEAD ENGR.			
VERTICAL 1" = 5'	FIELD MGR.			
	RECOMMENDED:			CITY ENGINEER
	DESIGN MANAGER			

FILE: 303913-03-PnP
DATE: 6/9/2025
ATLAS PAGE NO: 1,8
SHEET 28 OF 63 SHEETS

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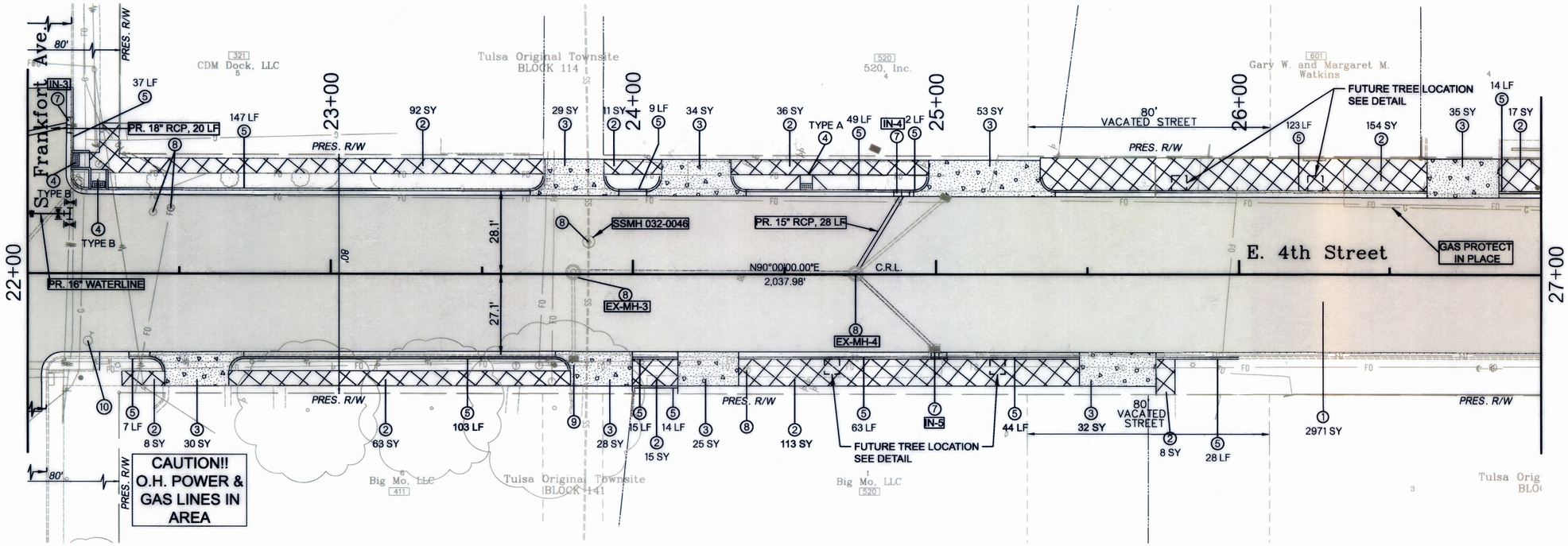

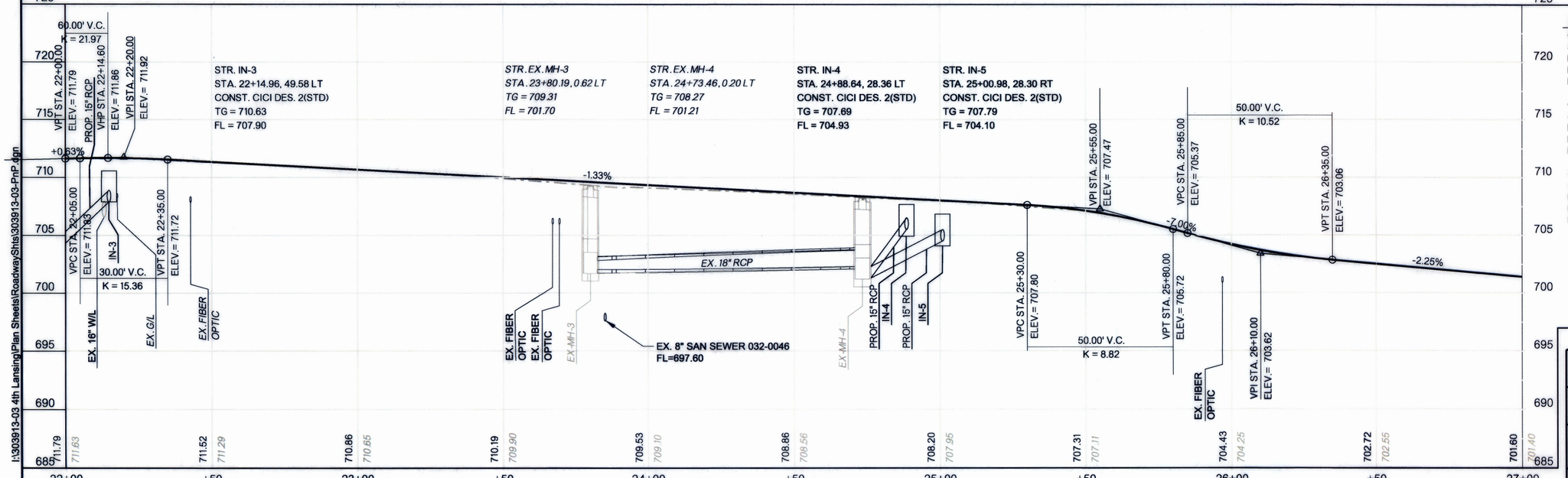

CONTROL:

CP 119
STA. 22+17.46, 34.91' RT
N= 426410.580
E= 2563463.611
ELEV.= 711.0345

CP 5818
STA. 23+74.05, 30.58' RT
N= 426479.348
E= 2563604.357
ELEV.= 709.1046

CP 120
STA. 26+98.82, 29.41' LT
N= 426668.418
E= 2563875.152
ELEV.= 701.3743

LEGEND

1. P.C.C. RECONSTRUCTION
2. CONSTRUCT SIDEWALK
3. CONSTRUCT DRIVEWAY
4. CONSTRUCT CURB RAMP
5. CONSTRUCT 6" CURB & GUTTER
6. CONSTRUCT MANHOLE
7. CONSTRUCT INLET
8. ADJUST MANHOLE TO GRADE
9. ADJUST INLET TO GRADE
10. ADJUST WATER OR GAS VALVETO GRADE
11. ADJUST WATER METER BOX TO GRADE

P.C.C. CONST.
DRIVEWAY CONST.
SIDEWALK

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

LICENSED PROFESSIONAL ENGINEER REMINGTON S. MADDOX 25 OKLAHOMA
5-5-25

REVISION	BY	DATE

PLAN & PROFILE (3)
4TH STREET

CBD STREET REHABILITATION
4TH ST. LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1"=20'	DRAWN	POE	1/2023	APPROVED:
	DESIGNED	POE	1/2023	
	SURVEY	DT	6/2023	
PROFILE SCALE:	PROJ. MGR.		5-25	
HORIZONTAL: 1"=20'	LEAD ENGR.		6/25	
	FIELD MGR.			
VERTICAL 1" = 5'	RECOMMENDED		5-25	CITY ENGINEER
	DESIGN MANAGER			

FILE: 303913-03-PnP
DATE: 6/9/2025
ATLAS PAGE NO: 1,8
SHEET 29 OF 63 SHEETS

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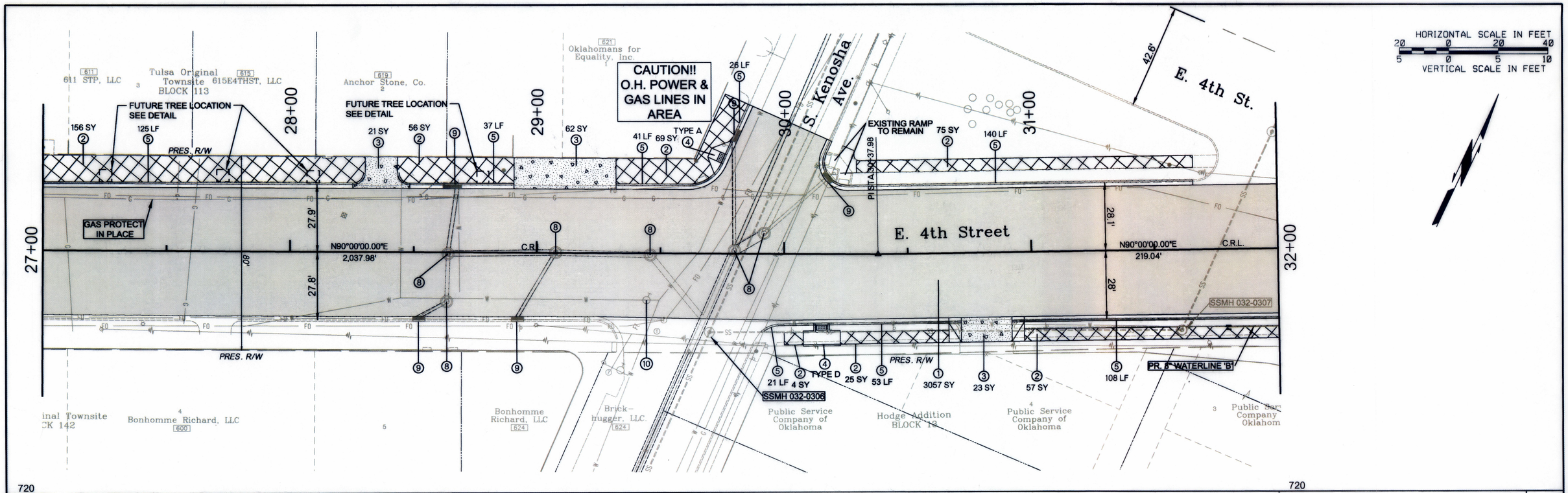

CONTROL:

CP 5566
STA. 29+88.82, 40.16' RT
N= 426725.153
E= 2564167.93
ELEV.= 699.1821

CP 5358
STA. 30+28.61, 61.84' LT
N= 426834.478
E= 2564161.920
ELEV.= 700.7153

CP 121
STA. 31+56.73, 34.78' LT
N= 426864.790
E= 2564288.069
ELEV.= 704.5039

LEGEND

1. P.C.C. RECONSTRUCTION
2. CONSTRUCT SIDEWALK
3. CONSTRUCT DRIVEWAY
4. CONSTRUCT CURB RAMP
5. CONSTRUCT 6" CURB & GUTTER
6. CONSTRUCT MANHOLE
7. CONSTRUCT INLET
8. ADJUST MANHOLE TO GRADE
9. ADJUST INLET TO GRADE
10. ADJUST WATER OR GAS VALVETO GRADE
11. ADJUST WATER METER BOX TO GRADE

P.C.C. CONST.
DRIVEWAY CONST.
SIDEWALK

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

REMINGTON S. MADDOX 21 LICENSED PROFESSIONAL ENGINEER OKLAHOMA 5-5-25

REVISION	BY	DATE

PLAN & PROFILE (4)
4TH STREET

CBD STREET REHABILITATION
4TH ST. LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

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POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1"=20'	DRAWN	POE	1/2023	APPROVED:
	DESIGNED	POE	1/2023	
	SURVEY	DT	6/2023	
PROFILE SCALE:	PROJ. MGR.			
HORIZONTAL: 1"=20'	LEAD ENGR.	DV	6/25	
VERTICAL 1" = 5'	FIELD MGR.			
	RECOMMENDED DESIGN MANAGER	HAS	5-25	CITY ENGINEER

FILE: 303913-03-PnP
DATE: 6/9/2025
ATLAS PAGE NO: 1,8
SHEET 30 OF 63 SHEETS

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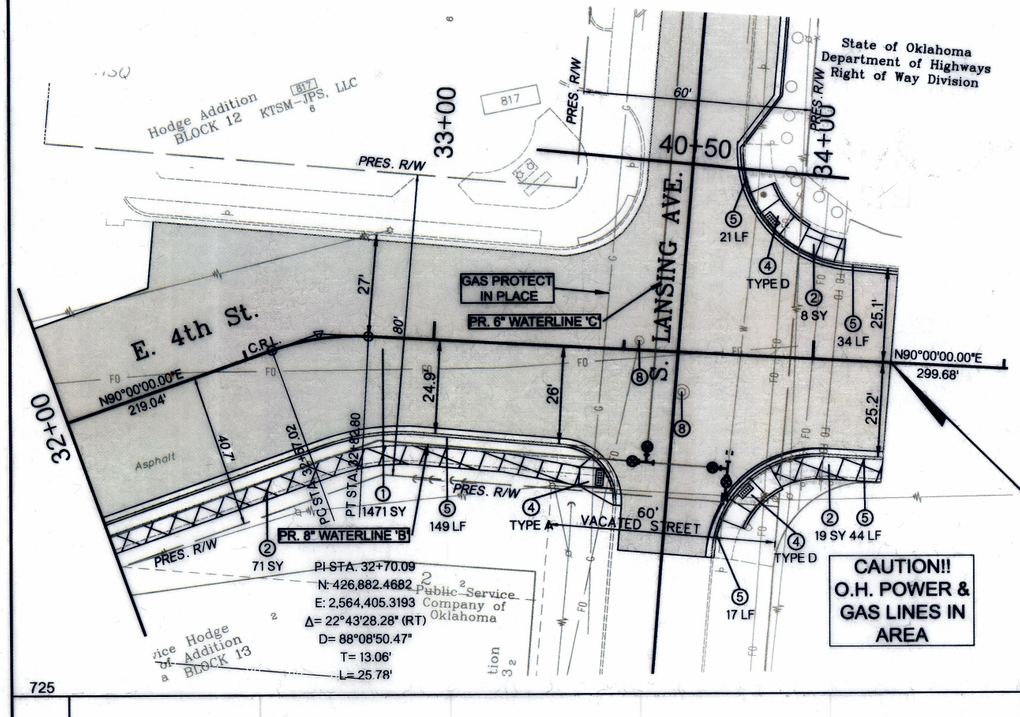
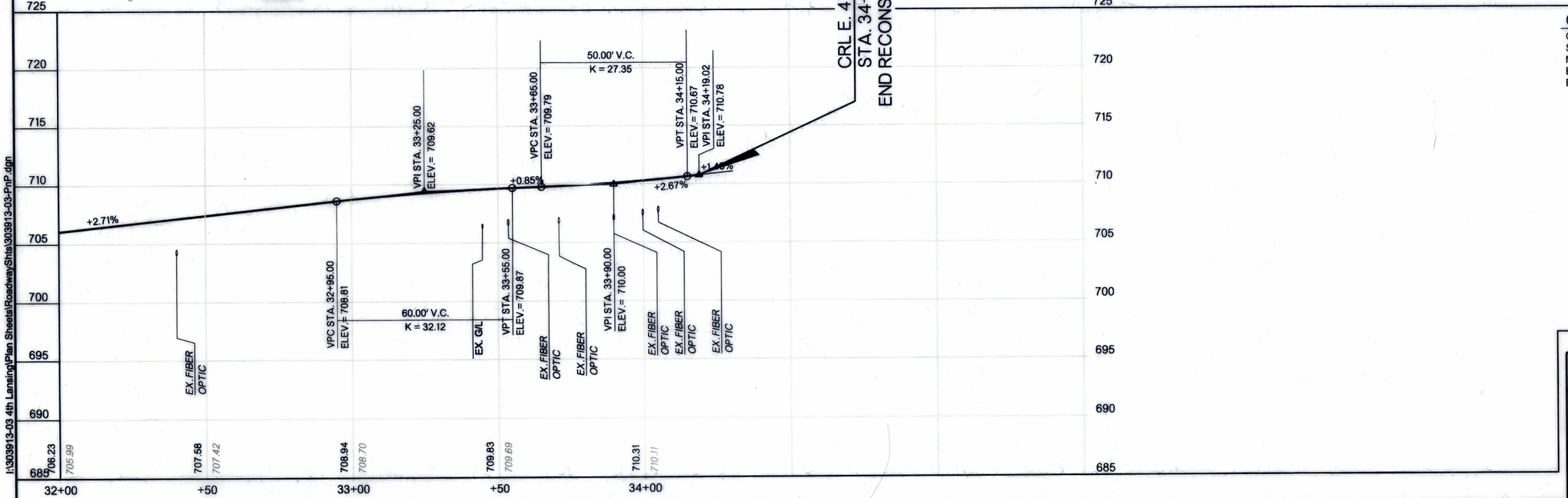
VERTICAL SCALE IN FEET





CONTROL:
CP 123
STA. 33+84.89, 42.75' LT
N= 426931.005
E= 2564518.150
ELEV.= 709.6816

LEGEND

1. P.C.C. RECONSTRUCTION
2. CONSTRUCT SIDEWALK
3. CONSTRUCT DRIVEWAY
4. CONSTRUCT CURB RAMP
5. CONSTRUCT 6" CURB & GUTTER
6. CONSTRUCT MANHOLE
7. CONSTRUCT INLET
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9. ADJUST INLET TO GRADE
10. ADJUST WATER OR GAS VALVETO GRADE
11. ADJUST WATER METER BOX TO GRADE

P.C.C. CONST.
DRIVEWAY CONST.
SIDEWALK

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

LICENSED PROFESSIONAL ENGINEER REMINGTON S. MADDOX 28... OKLAHOMA
5-5-25

REVISION	BY	DATE

PLAN & PROFILE (5)
4TH STREET

CBD STREET REHABILITATION
4TH ST. LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1"=20'	DRAWN	POE	1/2023	APPROVED:
	DESIGNED	POE	1/2023	
	SURVEY	DT	6/2023	
PROFILE SCALE:	PROJ. MGR.	MP	5-25	
HORIZONTAL: 1"=20'	LEAD ENGR.	DD	6/25	
	FIELD MGR.			
VERTICAL 1" = 5'	RECOMMENDED: DESIGN MANAGER	HMS	5-25	CITY ENGINEER

FILE: 303913-03-PnP
DATE: 6/9/2025
ATLAS PAGE NO: 1,8
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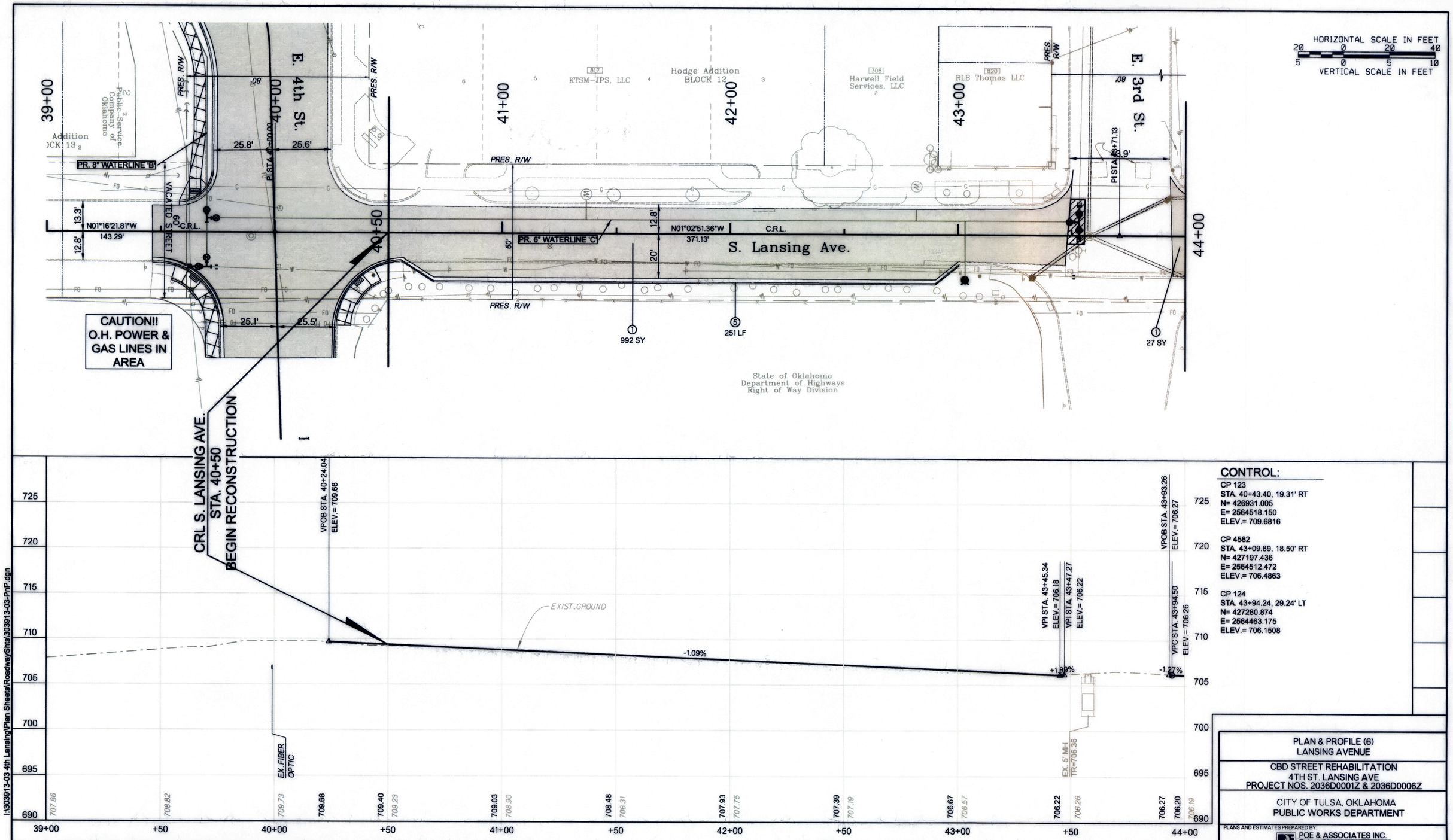

CONTROL:

CP 123
STA. 40+43.40, 19.31' RT
N= 426931.005
E= 2564518.150
ELEV.= 709.6816

CP 4582
STA. 43+09.89, 18.50' RT
N= 427197.436
E= 2564512.472
ELEV.= 706.4863

CP 124
STA. 43+94.24, 29.24' LT
N= 427280.874
E= 2564463.175
ELEV.= 706.1508

LEGEND

1. P.C.C. RECONSTRUCTION
2. CONSTRUCT SIDEWALK
3. CONSTRUCT DRIVEWAY
4. CONSTRUCT CURB RAMP
5. CONSTRUCT 6" CURB & GUTTER
6. CONSTRUCT MANHOLE
7. CONSTRUCT INLET
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9. ADJUST INLET TO GRADE
10. ADJUST WATER OR GAS VALVETO GRADE
11. ADJUST WATER METER BOX TO GRADE

P.C.C. CONST.
DRIVEWAY CONST.
SIDEWALK

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

LICENSED PROFESSIONAL ENGINEER REMINGTON S. MADDOX OKLAHOMA
5-5-25

PLAN & PROFILE (6)
LANSING AVENUE

CBD STREET REHABILITATION
4TH ST. LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1"=20'	DRAWN	POE	1/2023	APPROVED:
	DESIGNED	POE	1/2023	
	SURVEY	DT	6/2023	
PROFILE SCALE:	PROJ. MGR.		5-25	
HORIZONTAL: 1"=20'	LEAD ENGR.		6/25	
	FIELD MGR.			
VERTICAL 1" = 5'	RECOMMENDED	HAS	5-25	CITY ENGINEER
	DESIGN MANAGER			

FILE: 303913-03-PnP
DATE: 6/9/2025
ATLAS PAGE NO: 1,8
SHEET 32 OF 63 SHEETS

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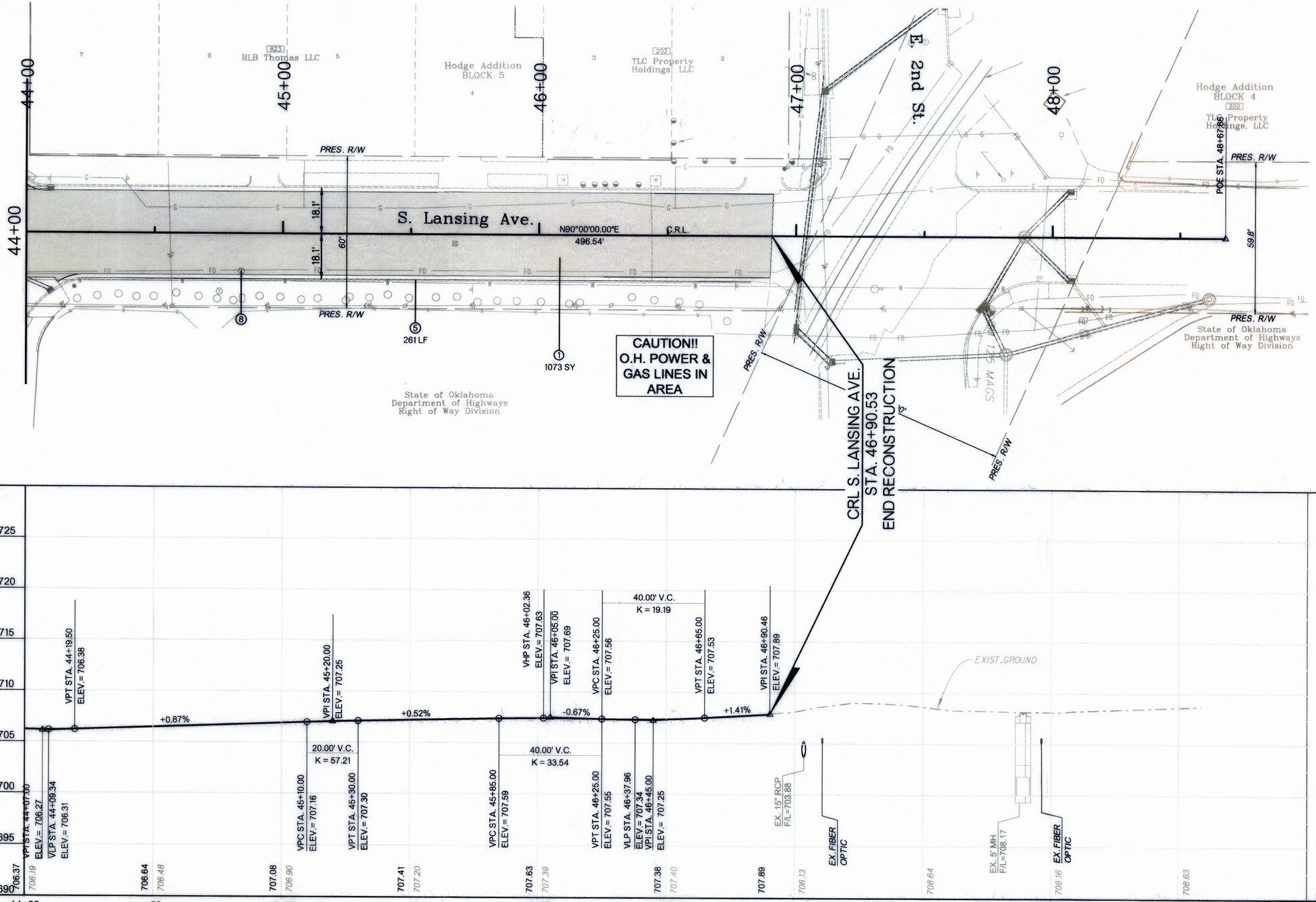

CONTROL:

CP 4908
STA. 44+18.64, 21.35' RT
N= 427306.233
E= 2564513.291
ELEV.= 706.268

CP 126
STA. 46+95.26, 26.46' LT
N= 427581.891
E= 2564460.194
ELEV.= 708.6392

BM 125
STA. 47+75.56, 29.12' RT
N= 427663.243
E= 2564514.228
ELEV.= 708.4949

LEGEND

1. P.C.C. RECONSTRUCTION
2. CONSTRUCT SIDEWALK
3. CONSTRUCT DRIVEWAY
4. CONSTRUCT CURB RAMP
5. CONSTRUCT 6" CURB & GUTTER
6. CONSTRUCT MANHOLE
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11. ADJUST WATER METER BOX TO GRADE

P.C.C. CONST.
DRIVEWAY CONST.
SIDEWALK

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

LICENSED PROFESSIONAL ENGINEER REMINGTON S. MADDOX 27 OKLAHOMA 5-5-25

REVISION	BY	DATE

PLAN & PROFILE (7) LANSING AVENUE

CBD STREET REHABILITATION
4TH ST. LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1"=20'	DRAWN	POE	1/2023	APPROVED:
	DESIGNED	POE	1/2023	
	SURVEY	DT	6/2023	
PROFILE SCALE: HORIZONTAL: 1"=20' VERTICAL 1" = 5'	PROJ. MGR.		5-25	
	LEAD ENGR.		6/25	
	FIELD MGR.			
	RECOMMENDED: DESIGN MANAGER	HAS	5-25	CITY ENGINEER

FILE: 303913-03-PnP
DATE: 6/9/2025
ATLAS PAGE NO: 1,8
SHEET 33 OF 63 SHEETS

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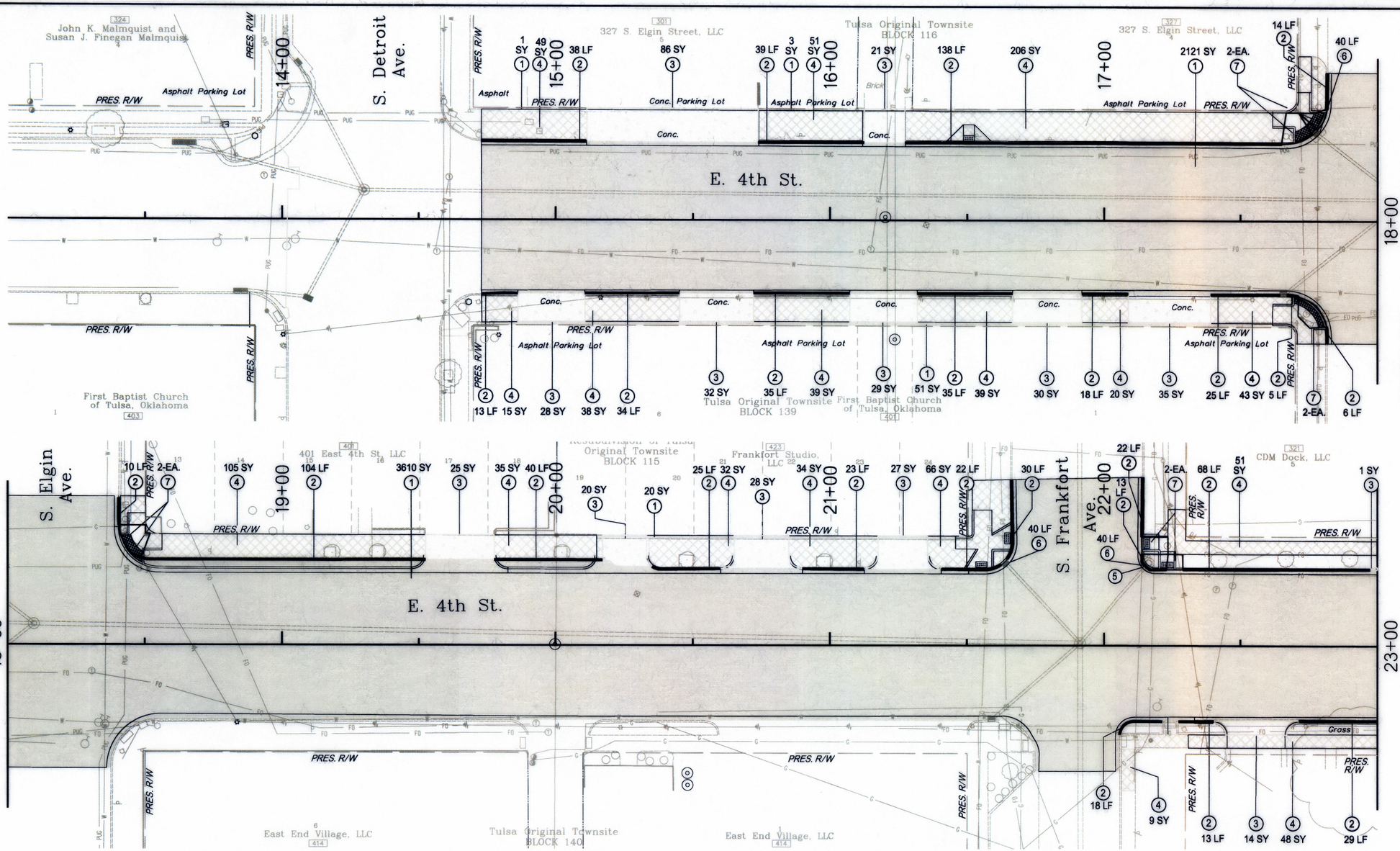

20 0 20 40
SCALE IN FEET

WARNING!!
DOWNTOWN INTERCONNECT IN AREA.
USE EXTREME CAUTION.
HAND DIG NECESSARY

LEGEND

1. REMOVE PAVEMENT
2. REMOVE CURB & GUTTER
3. REMOVE DRIVEWAY
4. REMOVE SIDEWALK
5. REMOVE MANHOLE
6. REMOVE INLET/PIPE
7. REMOVE CURB RAMP

SIDEWALK REMOVAL
PAVEMENT REMOVAL
DRIVEWAY REMOVAL
CURB & GUTTER REMOVAL

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

LICENSED PROFESSIONAL ENGINEER REMINGTON S. MADDOX 22 OKLAHOMA
5-5-25

REVISION	BY	DATE

REMOVAL SHEETS (1)

CBD STREET REHABILITATION
4TH ST. LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1"=20'	DRAWN	POE	1/2023	APPROVED:
	DESIGNED	POE	1/2023	
	SURVEY	DT	6/2023	
PROFILE SCALE:	PROJ. MGR.	MD	5-25	
HORIZONTAL: N/A	LEAD ENGR.	JW	6/25	
	FIELD MGR.			
VERTICAL N/A	RECOMMENDED DESIGN MANAGER	HAS	5-25	CITY ENGINEER
FILE: 303913-03-Removals				DATE: 6/9/2025
ATLAS PAGE NO: 1,8				SHEET 34 OF 63 SHEETS

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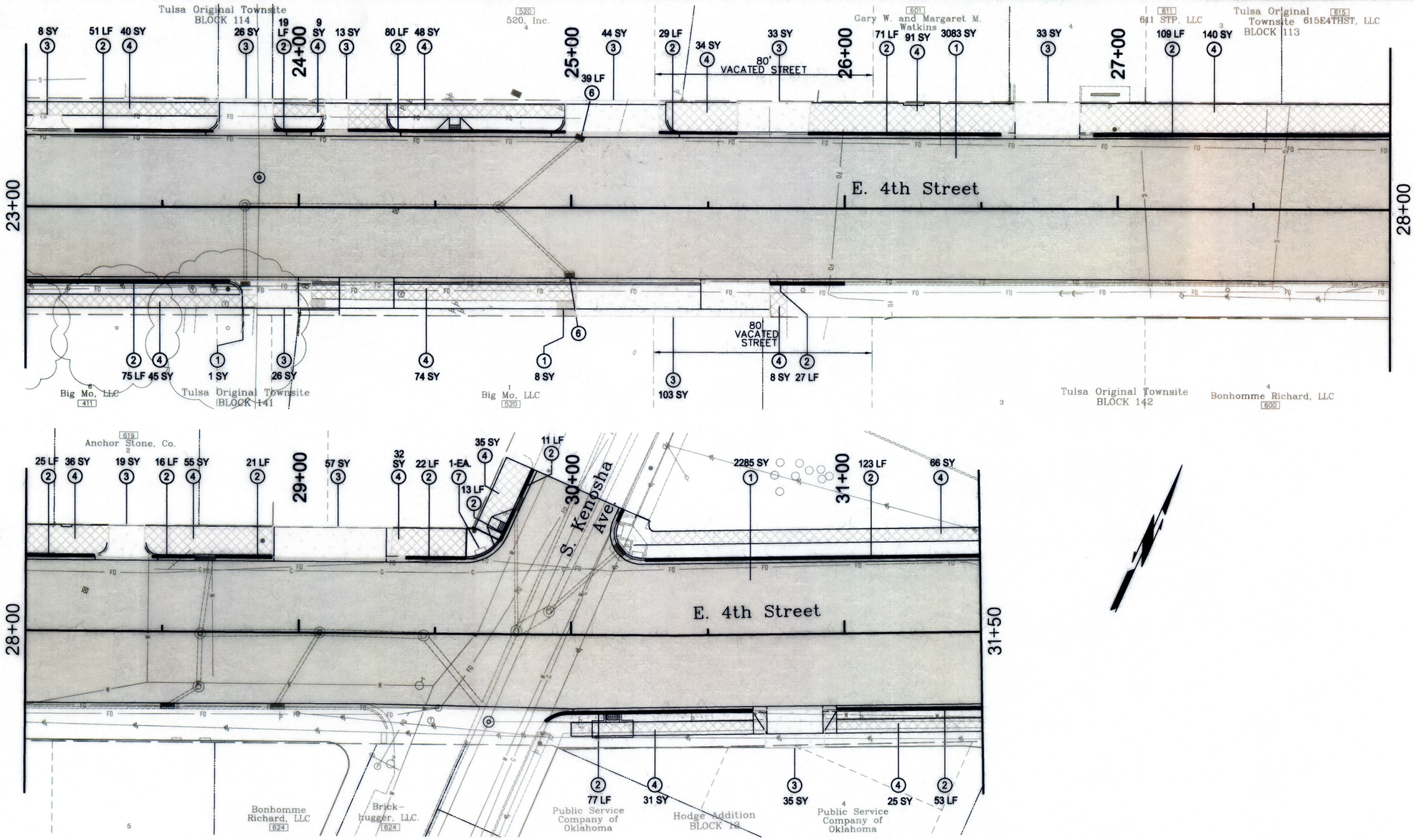

LEGEND

1. REMOVE PAVEMENT
2. REMOVE CURB & GUTTER
3. REMOVE DRIVEWAY
4. REMOVE SIDEWALK
5. REMOVE MANHOLE
6. REMOVE INLET/PIPE
7. REMOVE CURB RAMP

- SIDEWALK REMOVAL
- PAVEMENT REMOVAL
- DRIVEWAY REMOVAL
- CURB & GUTTER REMOVAL

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

LICENSED PROFESSIONAL ENGINEER REMINGTON S. MADDOX 2 OKLAHOMA

5-5-25

REVISION	BY	DATE

REMOVAL SHEETS (2)

CBD STREET REHABILITATION
4TH ST. LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1"=20'	DRAWN	POE	1/2023	APPROVED:
	DESIGNED	POE	1/2023	
	SURVEY	DT	6/2023	
PROFILE SCALE:	PROJ. MGR.		5-25	
HORIZONTAL: N/A	LEAD ENGR.		6/25	
	FIELD MGR.			
VERTICAL N/A	RECOMMENDED DESIGN MANAGER		HAS 5-25	CITY ENGINEER
FILE: 303913-03-Removals				DATE: 6/9/2025
ATLAS PAGE NO: 1,8				SHEET 35 OF 63 SHEETS

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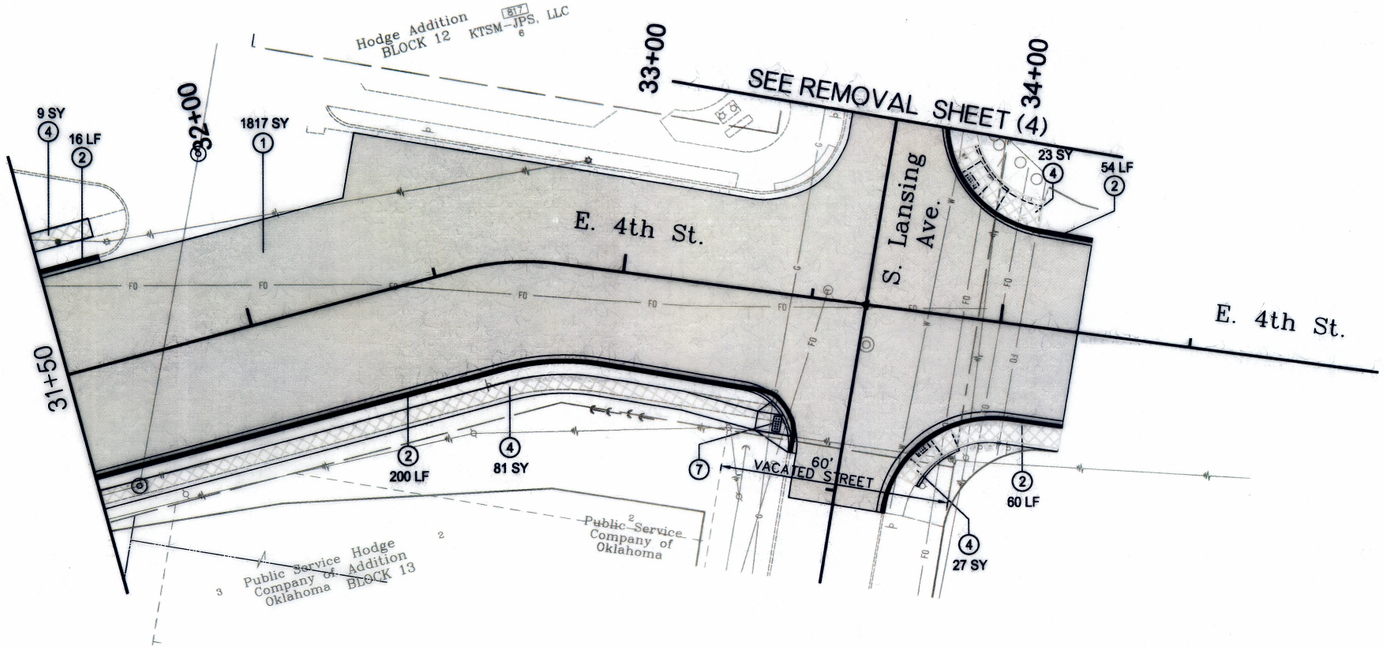
SCALE IN FEET



LEGEND

(1) REMOVE PAVEMENT	(6) REMOVE INLET/PIPE
(2) REMOVE CURB & GUTTER	(7) REMOVE CURB RAMP
(3) REMOVE DRIVEWAY	
(4) REMOVE SIDEWALK	
(5) REMOVE MANHOLE	

SIDEWALK REMOVAL
PAVEMENT REMOVAL
DRIVEWAY REMOVAL
CURB & GUTTER REMOVAL

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

REMINGTON S. MADDOX 21 LICENSED PROFESSIONAL ENGINEER OKLAHOMA
5-5-25

REVISION	BY	DATE

REMOVAL SHEETS (3)

CBD STREET REHABILITATION
4TH ST. LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1"=20'	DRAWN	POE	1/2023	APPROVED:
	DESIGNED	POE	1/2023	
	SURVEY	DT	6/2023	
PROFILE SCALE:	PROJ. MGR.		5-25	
HORIZONTAL: N/A	LEAD ENGR.		6/25	
	FIELD MGR.			
VERTICAL N/A	RECOMMENDED: DESIGN MANAGER		HAS 5-25	CITY ENGINEER
FILE: 303913-03-Removals				DATE: 6/9/2025
ATLAS PAGE NO: 18				SHEET 36 OF 63 SHEETS

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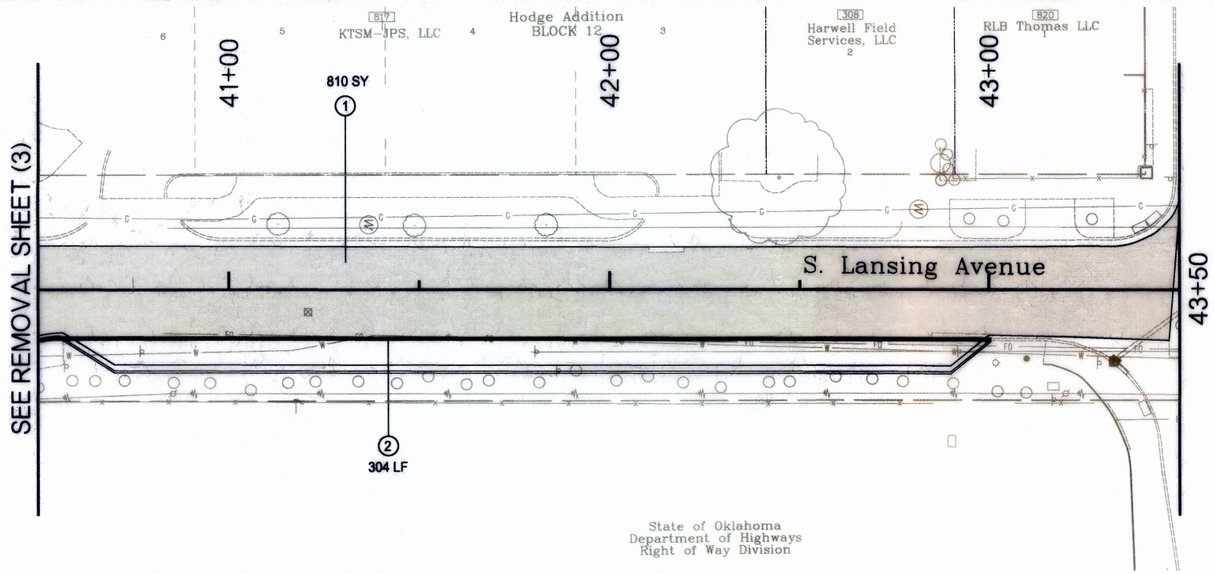

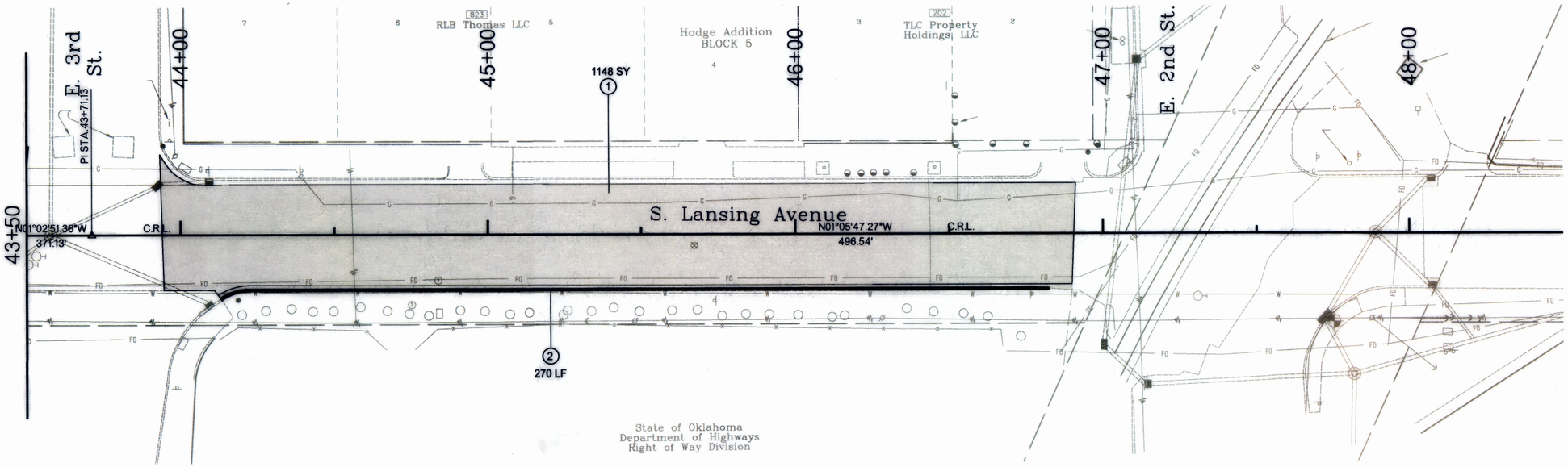

20 0 20 40
SCALE IN FEET

LEGEND

1. REMOVE PAVEMENT
2. REMOVE CURB & GUTTER
3. REMOVE DRIVEWAY
4. REMOVE SIDEWALK
5. REMOVE MANHOLE
6. REMOVE INLET/PIPE
7. REMOVE CURB RAMP

SIDEWALK REMOVAL
PAVEMENT REMOVAL
DRIVEWAY REMOVAL
CURB & GUTTER REMOVAL

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

LICENSED PROFESSIONAL ENGINEER REMINGTON S. MADDOX OKLAHOMA
5-5-25

REMOVAL SHEETS (4)

CBD STREET REHABILITATION
4TH ST. LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1"=20'	DRAWN	POE	1/2023	APPROVED:
	DESIGNED	POE	1/2023	
	SURVEY	DT	6/2023	
PROFILE SCALE:	PROJ. MGR.	DD	5-25	
HORIZONTAL: N/A	LEAD ENGR.		6/25	
	FIELD MGR.			
VERTICAL N/A	RECOMMENDED: HAS 5-25 DESIGN MANAGER			CITY ENGINEER
FILE: 303913-03-Removals				DATE: 6/9/2025
ATLAS PAGE NO: 1,8				SHEET 37 OF 63 SHEETS

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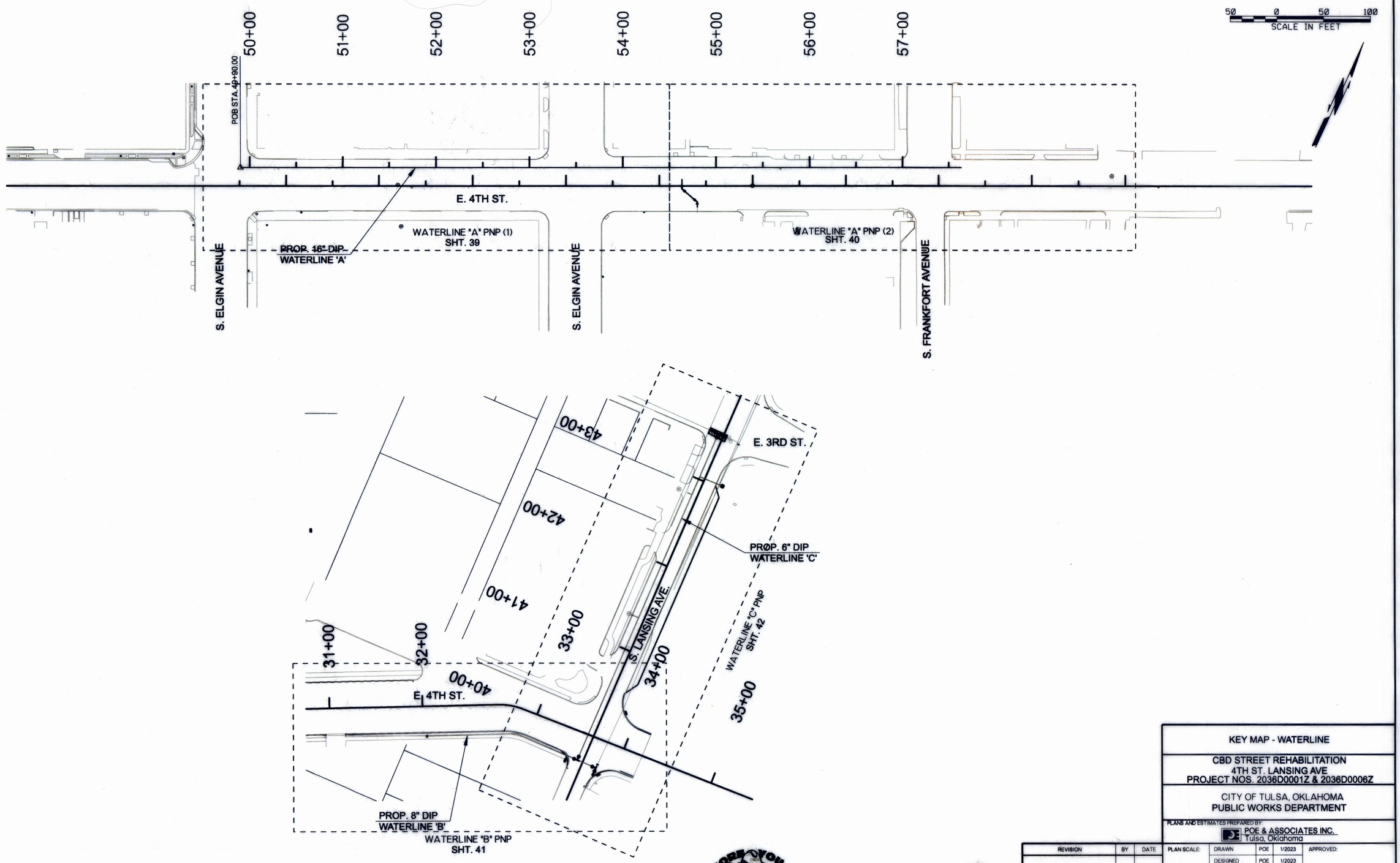

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BEFORE YOU DIG 811 1-800-522-OKIE CALL OKIE

REMINGTON S. MADDOX 25 OKLAHOMA LICENSED PROFESSIONAL ENGINEER

5-5-25

KEY MAP - WATERLINE

CBD STREET REHABILITATION
4TH ST. LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1"=50'	DRAWN	POE	1/2023	APPROVED:
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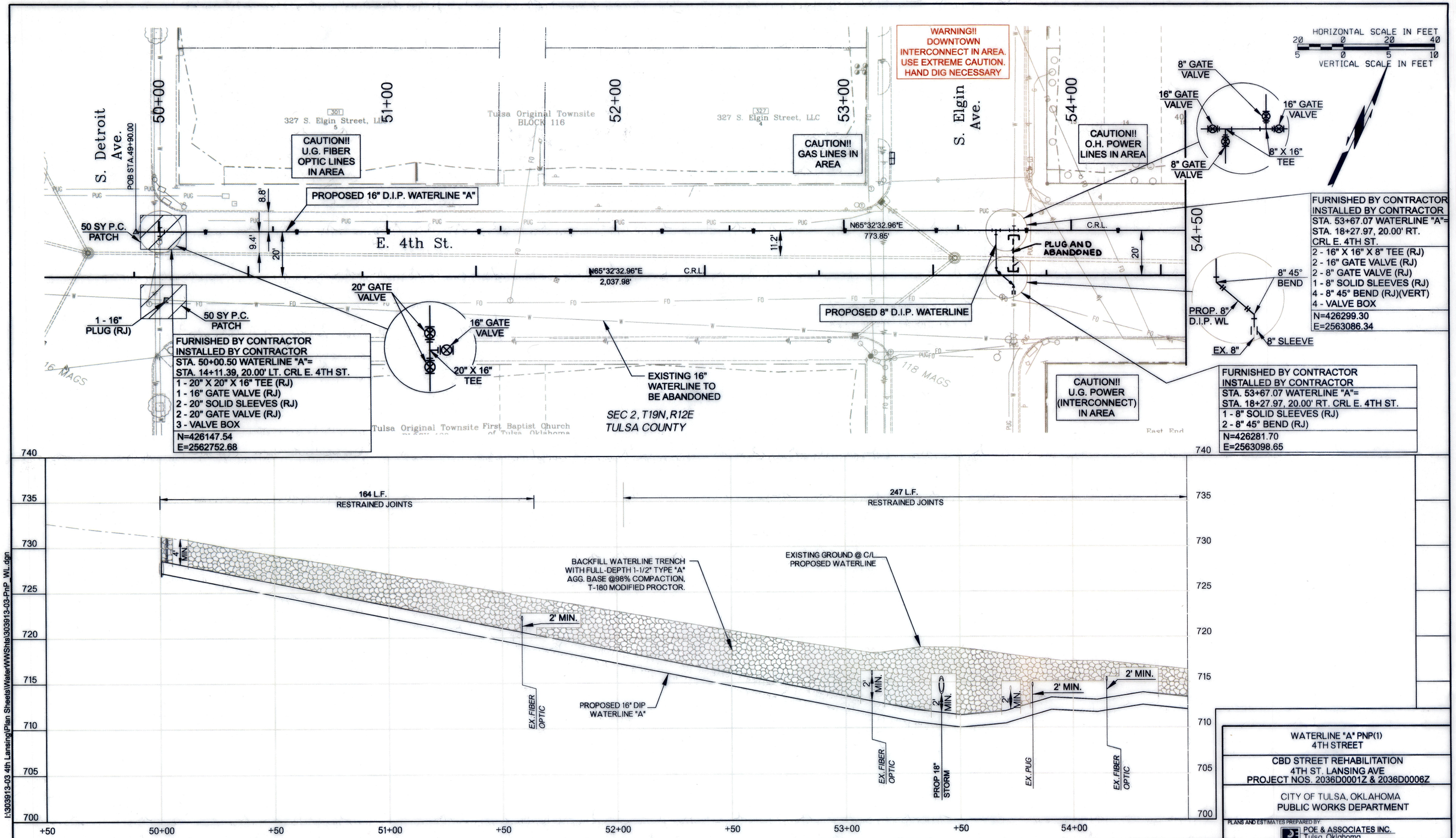
	FIELD MGR.			
VERTICAL N/A	RECOMMENDED: DESIGN MANAGER			CITY ENGINEER
FILE: 303913-03-Key Map- Waterline				DATE: 6/9/2025
ATLAS PAGE NO: 1,8				SHEET 38 OF 63 SHEETS



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LEGEND

- PROPOSED WATERLINE
- 1½" TYPE "A" AGGREGATE BASE
- (1") RESET WATER METER
- TYPE I P.C.C. PATCHING

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

LICENSED PROFESSIONAL ENGINEER REMINGTON S. MADDOX OKLAHOMA

5-5-25

WATERLINE "A" PNP(1)
4TH STREET

CBD STREET REHABILITATION
4TH ST. LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1"=20'	DRAWN	POE	1/2023	APPROVED:
	DESIGNED	POE	1/2023	
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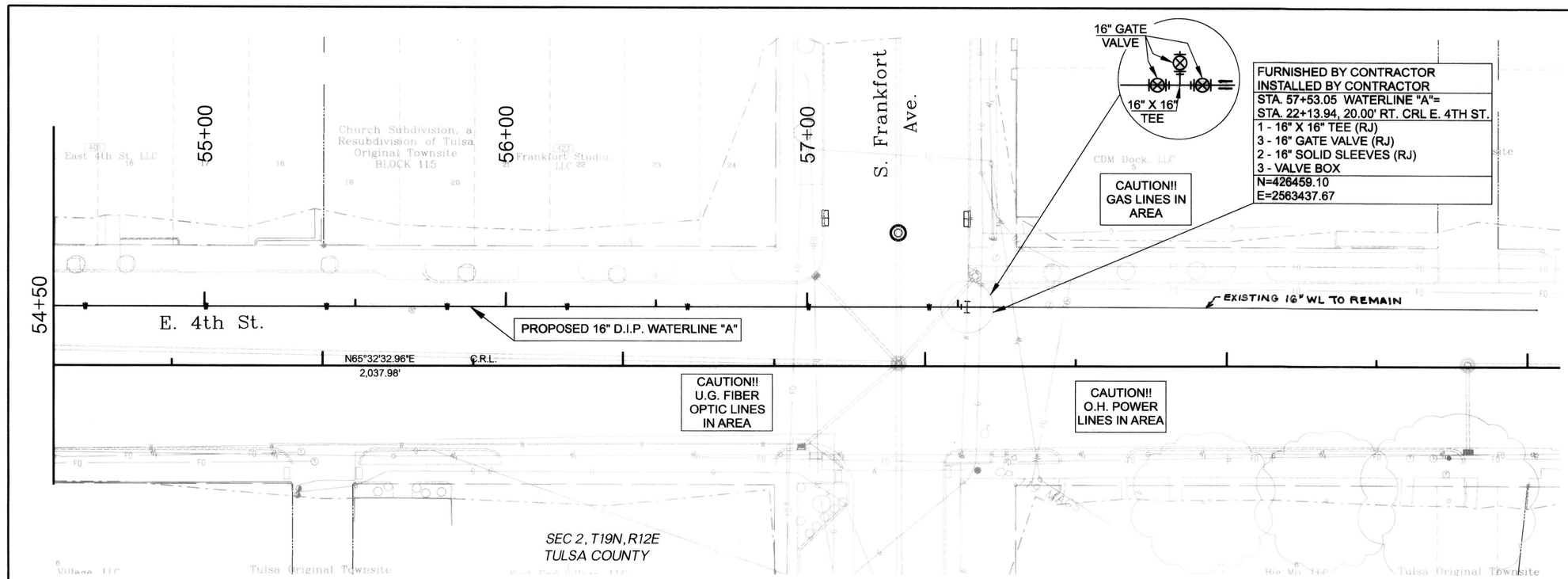
PROFILE SCALE:	PROJ. MGR.		4/25	
HORIZONTAL: 1"=20'	LEAD ENGR.	CEW	4/25	
	FIELD MGR.			
VERTICAL 1" = 5'	RECOMMENDED: DESIGN MANAGER			CITY ENGINEER
FILE: 303913-03-PnP_WL				DATE: 6/9/2025
ATLAS PAGE NO: 1.8				SHEET 39 OF 63 SHEETS



HORIZONTAL SCALE IN FEET
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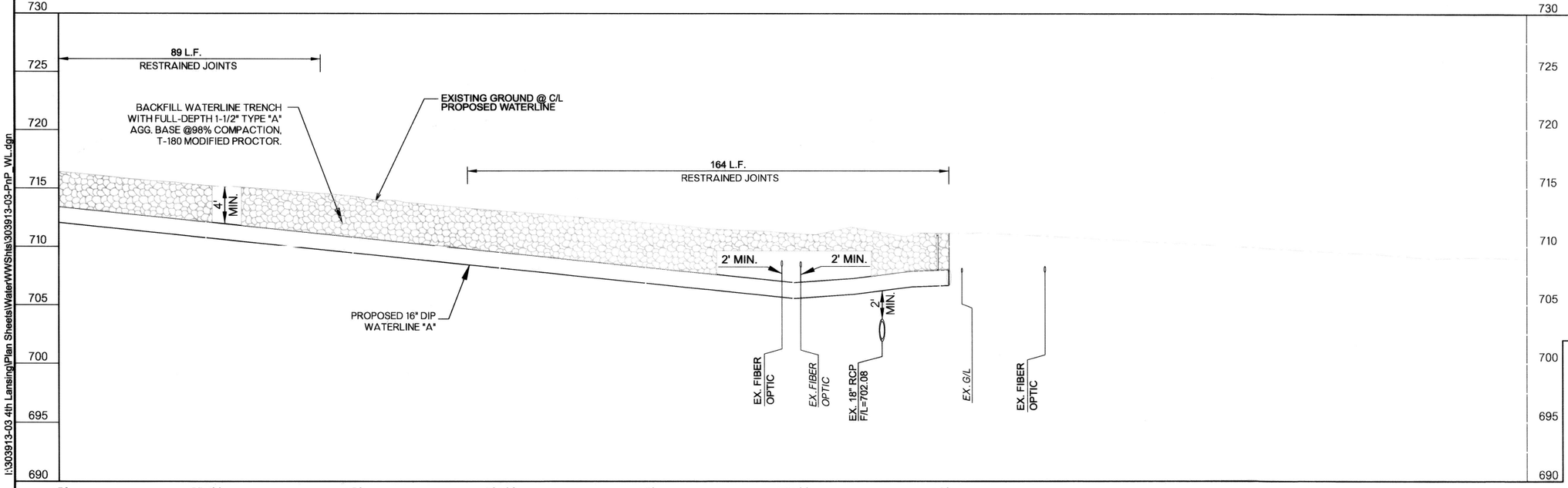
VERTICAL SCALE IN FEET
5 0 5 10



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LEGEND

- PROPOSED WATERLINE
- 1½" TYPE "A" AGGREGATE BASE
- (1") RESET WATER METER
- TYPE I P.C.C. PATCHING

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

LICENSED PROFESSIONAL ENGINEER REMINGTON S. MADDOX 25 OKLAHOMA 5-5-25

REVISION	BY	DATE

WATERLINE "A" PNP(2)
4TH STREET

CBD STREET REHABILITATION
4TH ST. LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

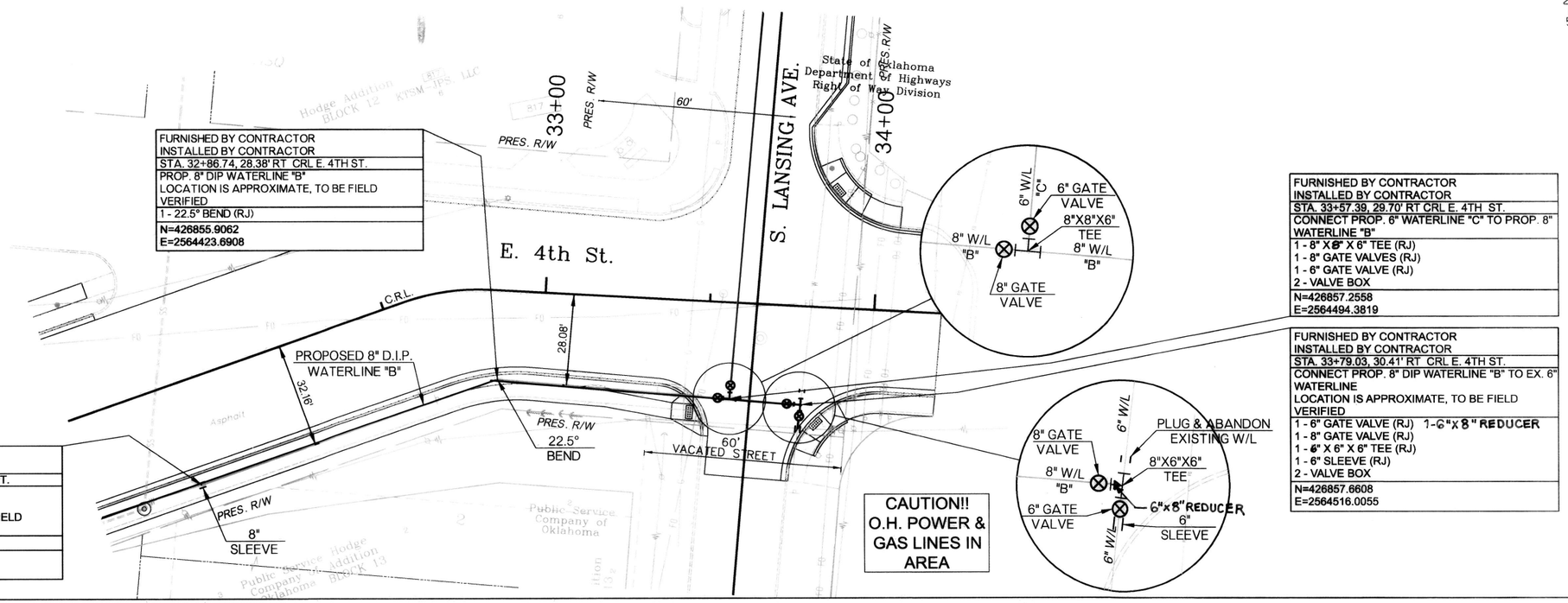
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1"=20'	DRAWN	POE	1/2023	APPROVED:
	DESIGNED	POE	1/2023	
	SURVEY	DT	6/2023	
PROFILE SCALE:	PROJ. MGR.			
HORIZONTAL: 1"=20'	LEAD ENGR.	CEW	4/25	
	FIELD MGR.			
VERTICAL 1" = 5'	RECOMMENDED DESIGN MANAGER			CITY ENGINEER

FILE: 303913-03-PnP_WL
DATE: 6/9/2025
ATLAS PAGE NO: 1,8
SHEET 40 OF 63 SHEETS

HORIZONTAL SCALE IN FEET
20 0 20 40
5 0 5 10
VERTICAL SCALE IN FEET



FURNISHED BY CONTRACTOR
INSTALLED BY CONTRACTOR
STA. 32+86.74, 28.38' RT CRL E. 4TH ST.
PROP. 8" DIP WATERLINE "B"
LOCATION IS APPROXIMATE, TO BE FIELD VERIFIED
1 - 22.5° BEND (RJ)
N=426855.9062
E=2564423.6908

FURNISHED BY CONTRACTOR
INSTALLED BY CONTRACTOR
STA. 31+79.52, 32.31' RT CRL E. 4TH ST.
BEGIN PROP. 8" DIP WATERLINE "B"
CONNECT TO EX. 8" WATERLINE
LOCATION IS APPROXIMATE, TO BE FIELD VERIFIED
1 - 8" SLEEVES (RJ)
N=426814.1581
E=2564337.6432

FURNISHED BY CONTRACTOR
INSTALLED BY CONTRACTOR
STA. 33+57.39, 29.70' RT CRL E. 4TH ST.
CONNECT PROP. 6" WATERLINE "C" TO PROP. 8" WATERLINE "B"
1 - 8" X 8" X 6" TEE (RJ)
1 - 8" GATE VALVES (RJ)
1 - 6" GATE VALVE (RJ)
2 - VALVE BOX
N=426857.2558
E=2564494.3819

FURNISHED BY CONTRACTOR
INSTALLED BY CONTRACTOR
STA. 33+79.03, 30.41' RT CRL E. 4TH ST.
CONNECT PROP. 8" DIP WATERLINE "B" TO EX. 6" WATERLINE
LOCATION IS APPROXIMATE, TO BE FIELD VERIFIED
1 - 6" GATE VALVE (RJ) 1-6"x8" REDUCER
1 - 8" GATE VALVE (RJ)
1 - 6" X 6" X 6" TEE (RJ)
1 - 6" SLEEVE (RJ)
2 - VALVE BOX
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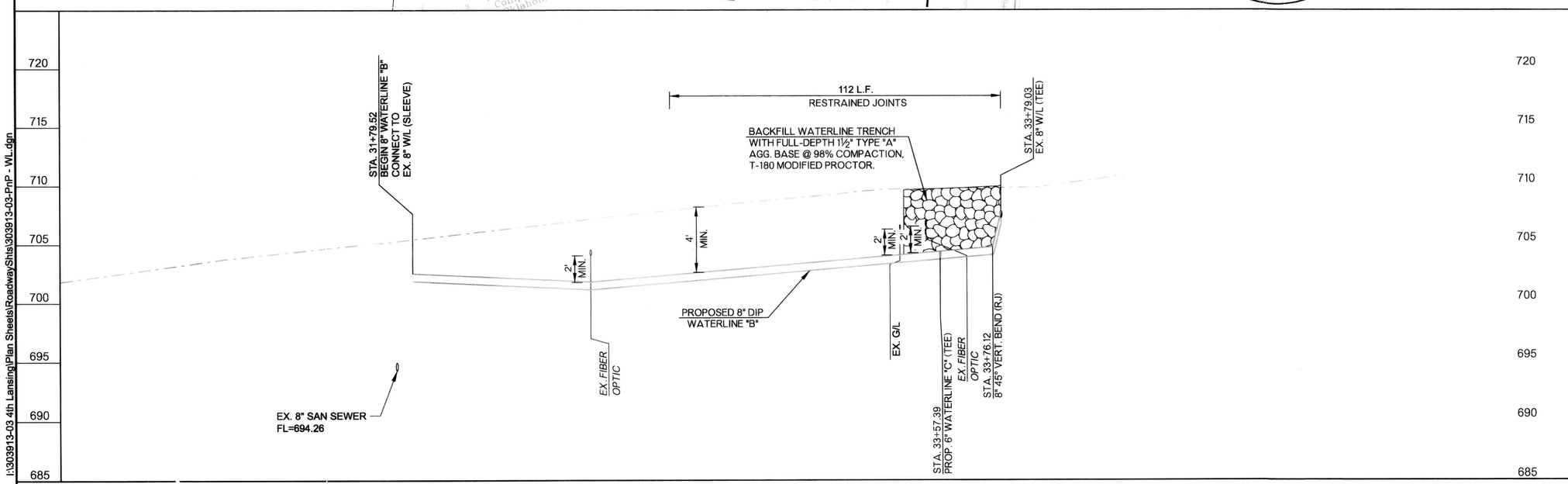
E=2564516.0055



LEGEND

- PROPOSED WATERLINE
- 1½" TYPE "A" AGGREGATE BASE
- (1") RESET WATER METER
- TYPE I P.C.C. PATCHING

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

REMINGTON S. MADDOX 25 LICENSED PROFESSIONAL ENGINEER OKLAHOMA
5-5-25

REVISION	BY	DATE

WATERLINE "B" PNP
4TH STREET

CBD STREET REHABILITATION
4TH ST. LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1"=20'	DRAWN	POE	1/2023	APPROVED:
	DESIGNED	POE	1/2023	
	SURVEY	DT	6/2023	
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1"=20'	FIELD MGR.			
VERTICAL: 1" = 5'	RECOMMENDED: DESIGN MANAGER			CITY ENGINEER
FILE: 303913-03-PnP - WL				DATE 6/9/2025
ATLAS PAGE NO: 1,8				SHEET 41 OF 63 SHEETS

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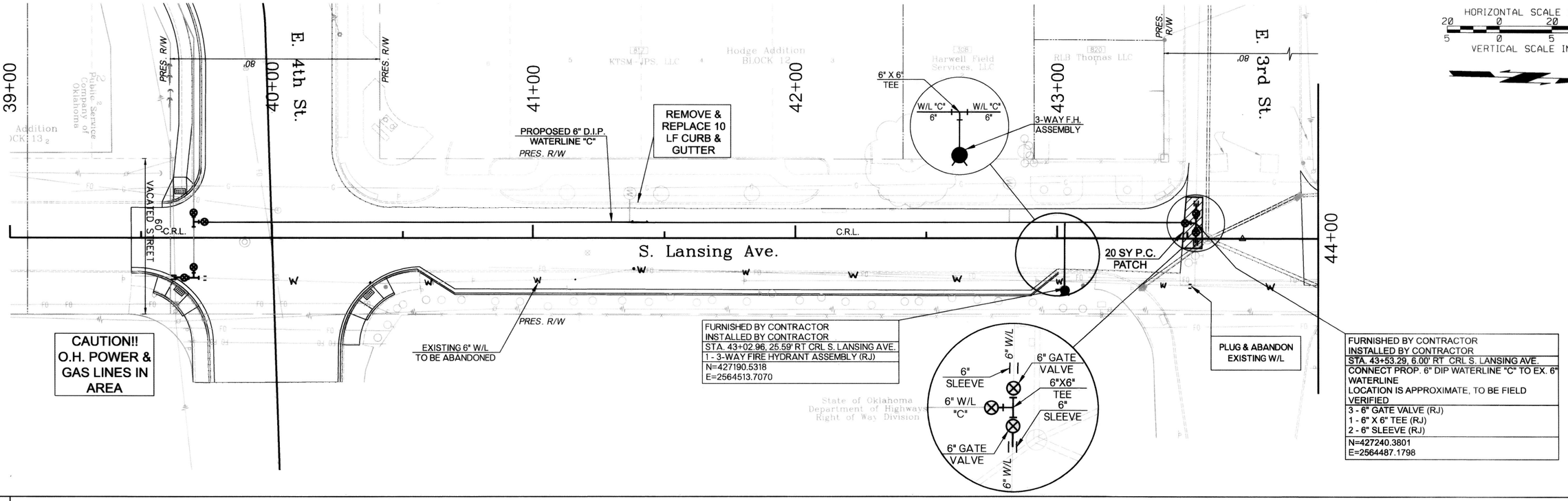

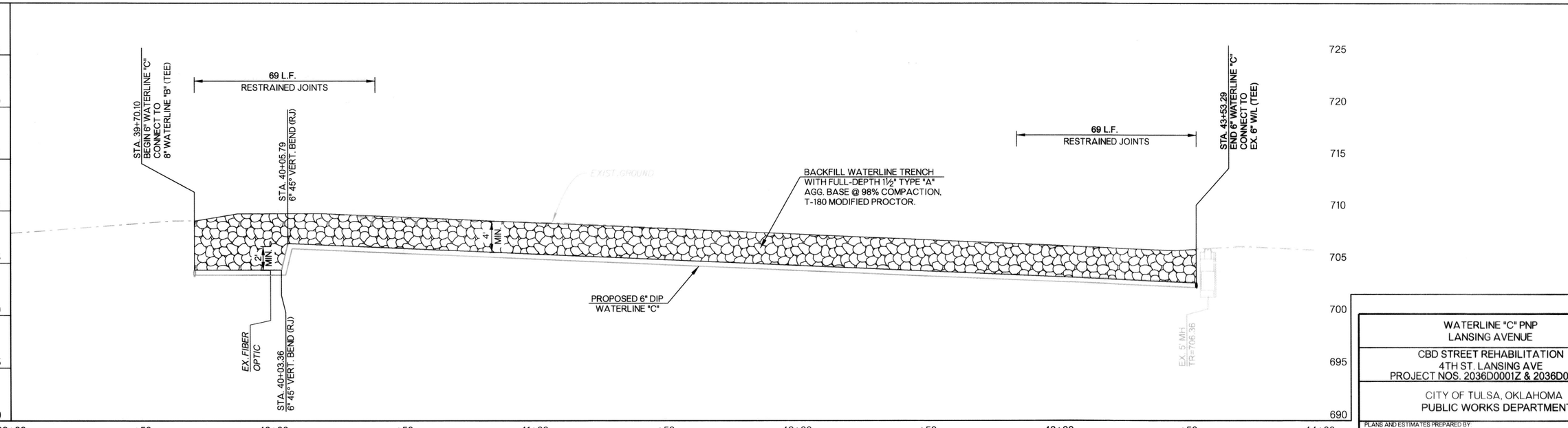

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LEGEND

- PROPOSED WATERLINE
- 1½" TYPE "A" AGGREGATE BASE
- (1") RESET WATER METER
- TYPE I P.C.C. PATCHING

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

LICENSED PROFESSIONAL ENGINEER REMINGTON S. MADDOX 25 OKLAHOMA 5-5-25

REVISION	BY	DATE

WATERLINE "C" PNP
LANSING AVENUE

CBD STREET REHABILITATION
4TH ST. LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

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POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1"=20'	DRAWN	POE	1/2023	APPROVED:
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VERTICAL: 1" = 5'	RECOMMENDED: DESIGN MANAGER			CITY ENGINEER
FILE: 303913-03-PnP - WL				DATE: 6/9/2025
ATLAS PAGE NO: 18				SHEET 42 OF 63 SHEETS

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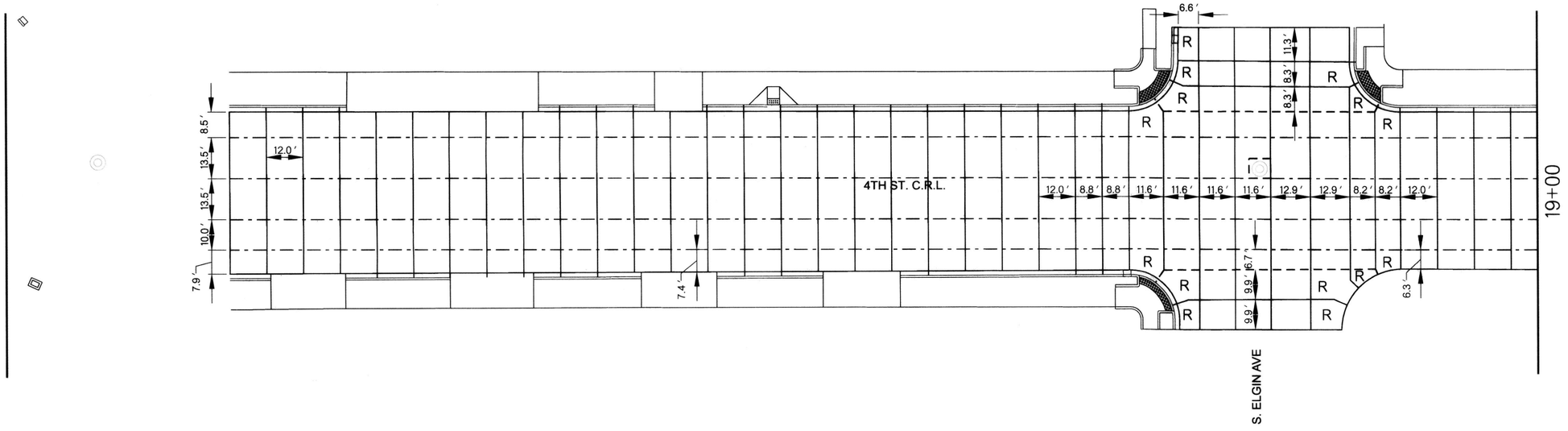

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LEGEND

- ISOLATION JOINT
- LONGITUDINAL JOINT
- TRANSVERSE JOINT (ODOT LTU-5.1)
- [R] REINFORCED CONCRETE PANEL (STEEL EST. 12LB/SY)

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

LICENSED PROFESSIONAL ENGINEER REMINGTON S. MADDOX 29 OKLAHOMA
5-5-25

REVISION	BY	DATE

JOINT LAYOUT PLAN (1)

CBD STREET REHABILITATION
4TH ST. LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1"=20'	DRAWN	POE	1/2023	APPROVED:
	DESIGNED	POE	1/2023	
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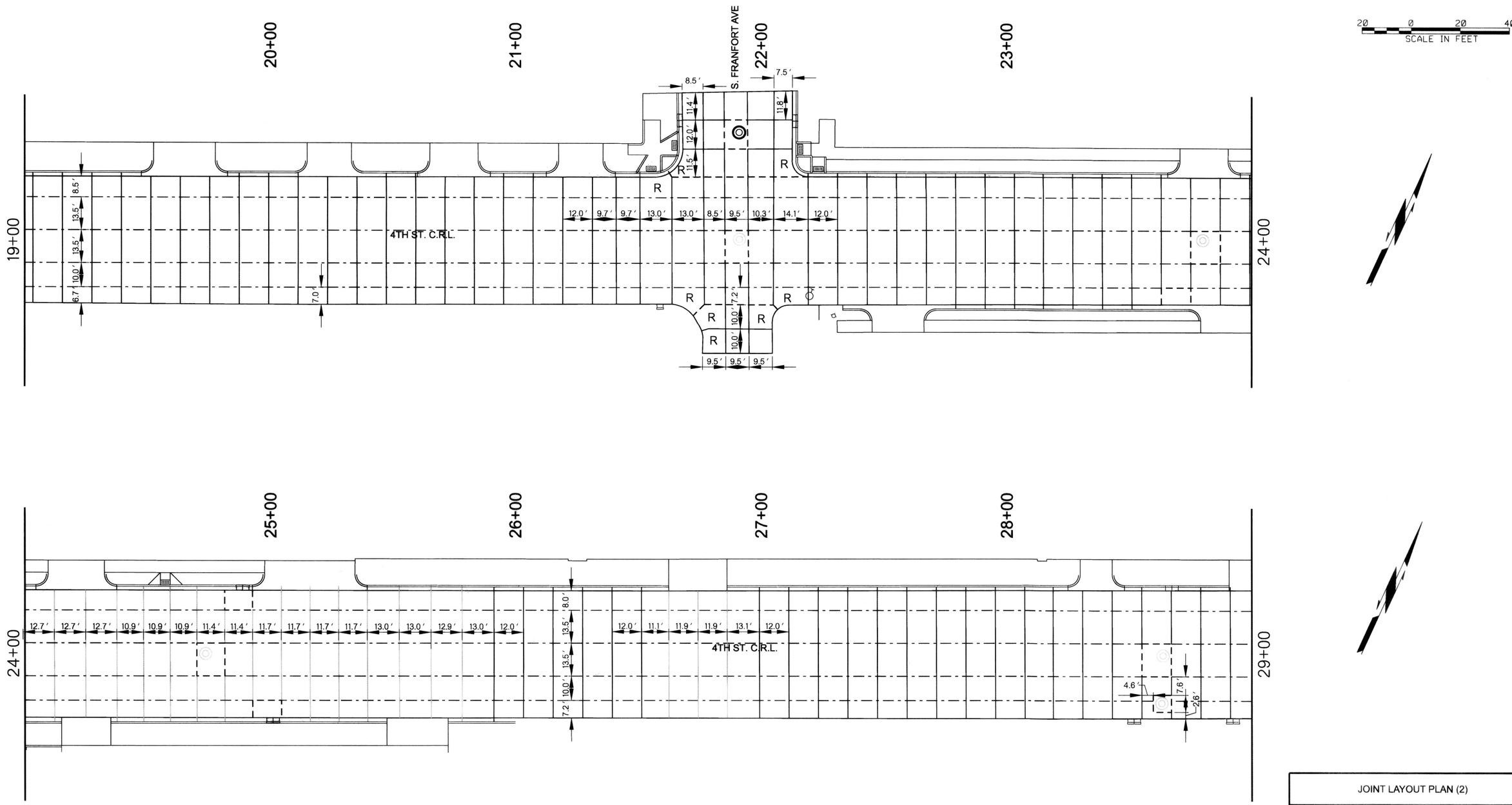
	FIELD MGR.			
VERTICAL N/A	RECOMMENDED: DESIGN MANAGER	HRS 5-23		CITY ENGINEER
FILE: 303913-03 Joint Layout				DATE: 6/9/2025
ATLAS PAGE NO: 1,8				SHEET 43 OF 63 SHEETS



LEGEND

- - - - - - - - - -	ISOLATION JOINT
—·—·—·—	LONGITUDINAL JOINT
————	TRANSVERSE JOINT (ODOT LTU-5-1)
R	REINFORCED CONCRETE PANEL (STEEL EST. 12LB/SY)

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

LICENSED PROFESSIONAL ENGINEER REMINGTON S. MADDOX OKLAHOMA

5-5-25

REVISION	BY	DATE

JOINT LAYOUT PLAN (2)

CBD STREET REHABILITATION
4TH ST. LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1"=20'	DRAWN	POE	1/2023	APPROVED:
	DESIGNED	POE	1/2023	
	SURVEY	DT	6/2023	
PROFILE SCALE:	PROJ. MGR.		5-25	
HORIZONTAL: N/A	LEAD ENGR.		6/25	
	FIELD MGR.			
VERTICAL: N/A	RECOMMENDED: DESIGN MANAGER	HAS	5-25	CITY ENGINEER
FILE: 303913-03 Joint Layout				DATE: 6/9/2025
ATLAS PAGE NO. 1.8				SHEET 44 OF 63 SHEETS

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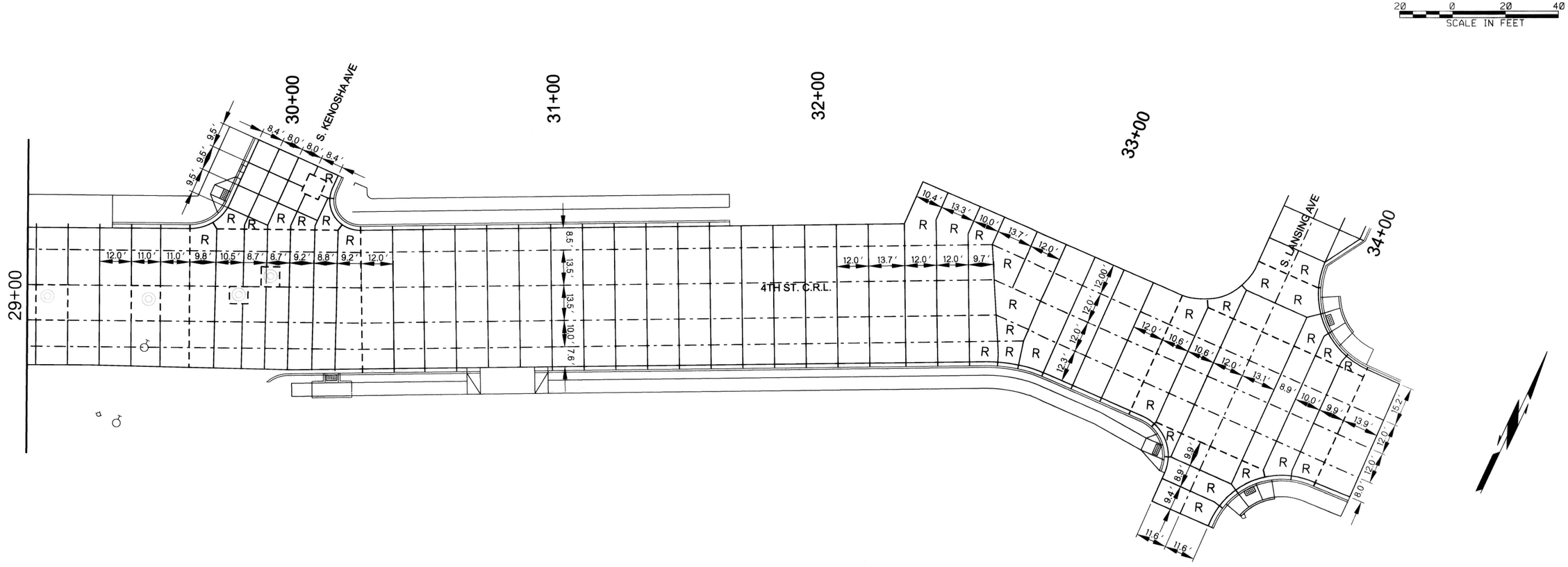

LEGEND

- ISOLATION JOINT
- LONGITUDINAL JOINT
- TRANSVERSE JOINT (ODOT LTU-5M)
- [R] REINFORCED CONCRETE PANEL (STEEL EST. 12LB/SY)

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

LICENSED PROFESSIONAL ENGINEER REMINGTON S. MADDOX 25 OKLAHOMA
5-5-25

REVISION	BY	DATE

JOINT LAYOUT PLAN (3)

CBD STREET REHABILITATION
4TH ST. LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1"=20'	DRAWN	POE	1/2023	APPROVED:
	DESIGNED	POE	1/2023	
	SURVEY	DT	6/2023	
PROFILE SCALE:	PROJ. MGR.		5-25	
HORIZONTAL: N/A	LEAD ENGR.		6/25	
	FIELD MGR.			
VERTICAL: N/A	RECOMMENDED: DESIGN MANAGER		HAS 5-25	CITY ENGINEER

FILE: 303913-03 Joint Layout — DATE: 6/9/2025
ATLAS PAGE NO: 1,8 — SHEET 45 OF 63 SHEETS

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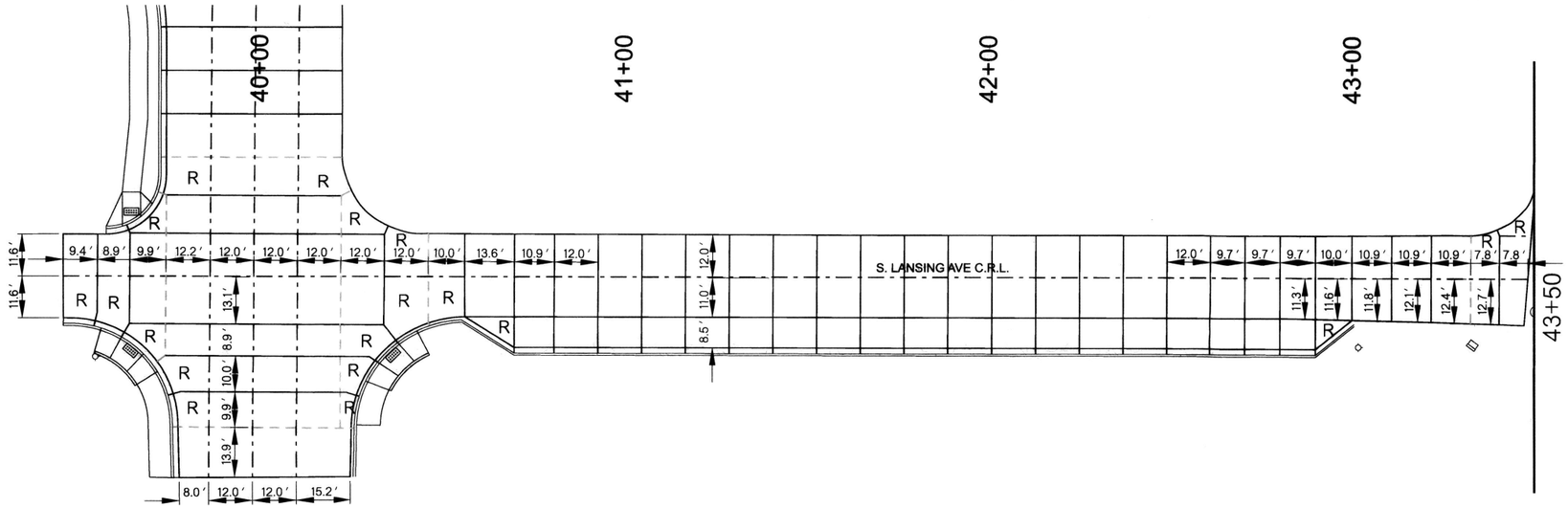

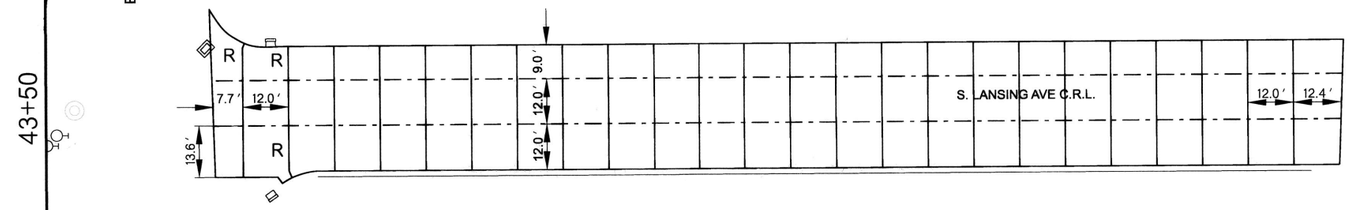

20 0 20 40
SCALE IN FEET

LEGEND

- ISOLATION JOINT
- LONGITUDINAL JOINT
- TRANSVERSE JOINT (ODOT LTU-5.1)
- [R] REINFORCED CONCRETE PANEL (STEEL EST. 12LB/SY)

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

LICENSED PROFESSIONAL ENGINEER REMINGTON S. MADDOX 25 OKLAHOMA
5-5-25

REVISION	BY	DATE

JOINT LAYOUT PLAN (4)

CBD STREET REHABILITATION
4TH ST. LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

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Tulsa, Oklahoma

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	DESIGNED	POE	1/2023	
	SURVEY	DT	6/2023	
PROFILE SCALE:	PROJ. MGR.		5-25	
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	FIELD MGR.			
VERTICAL: N/A	RECOMMENDED:			
	DESIGN MANAGER			CITY ENGINEER
FILE: 303913-03 Joint Layout				DATE: 6/9/2025
ATLAS PAGE NO: 1.8				SHEET 46 OF 63 SHEETS

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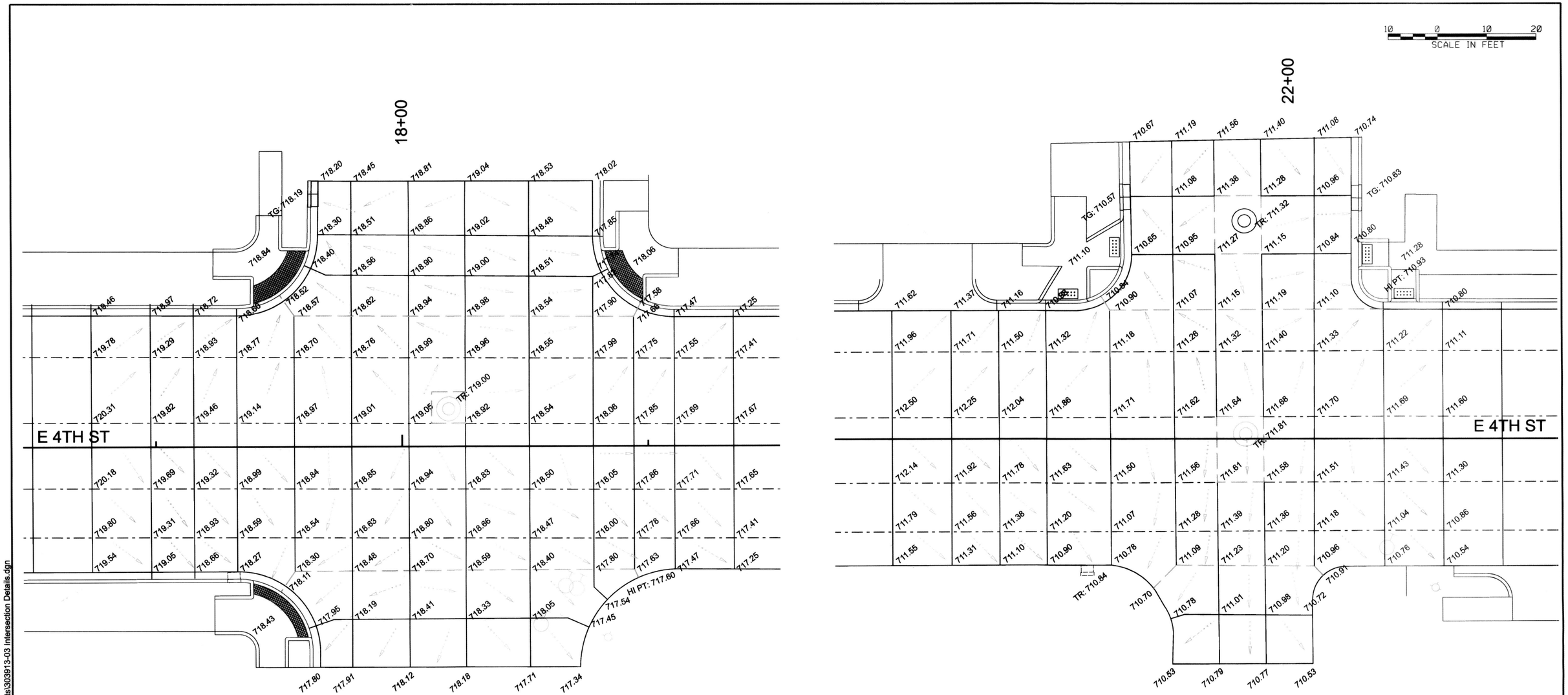

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BEFORE YOU DIG 811 1-800-522-OKIE CALL OKIE

LICENSED PROFESSIONAL ENGINEER REMINGTON S. MADDOX 25 OKLAHOMA 5-5-25

REVISION	BY	DATE

INTERSECTION DETAIL (1)
ELGIN & FRANKFORT

CBD STREET REHABILITATION
4TH ST./LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1" = 10'	DRAWN	POE	1/2023	APPROVED:
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	SURVEY	DT	6/2023	
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	FIELD MGR.			
VERTICAL: NA	RECOMMENDED: DESIGN MANAGER		5-25	CITY ENGINEER

FILE: 303913-03 INTERSECTION DETAILS.DGN
DATE: 6/9/2025
ATLAS PAGE NO: 1,8
SHEET 47 OF 63 SHEETS

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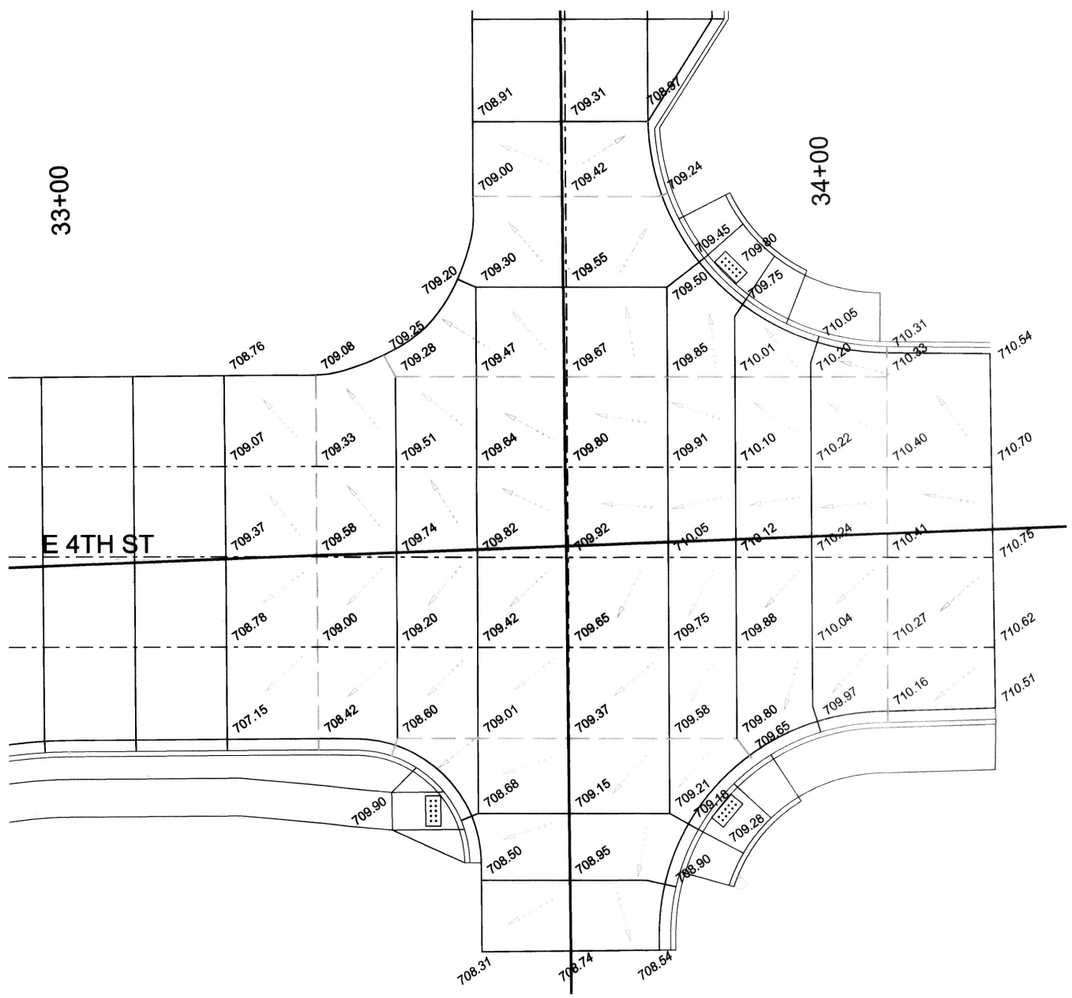
SCALE IN FEET





INTERSECTION DETAIL (2)
KENOSHA & LANSING

CBD STREET REHABILITATION
4TH ST./LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1" = 10'	DRAWN	POE	1/2023	APPROVED:
	DESIGNED	POE	1/2023	
	SURVEY	DT	6/2023	
PROFILE SCALE:	PROJ. MGR.		5-25	
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VERTICAL NA	RECOMMENDED: DESIGN MANAGER		5-25	CITY ENGINEER

FILE: 303913-03 INTERSECTION DETAILS.DGN
DATE: 6/19/2025
ATLAS PAGE NO: 1,8
SHEET 48 OF 63 SHEETS

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

REMINGTON S. MADDOX 25 LICENSED PROFESSIONAL ENGINEER OKLAHOMA
5-5-25

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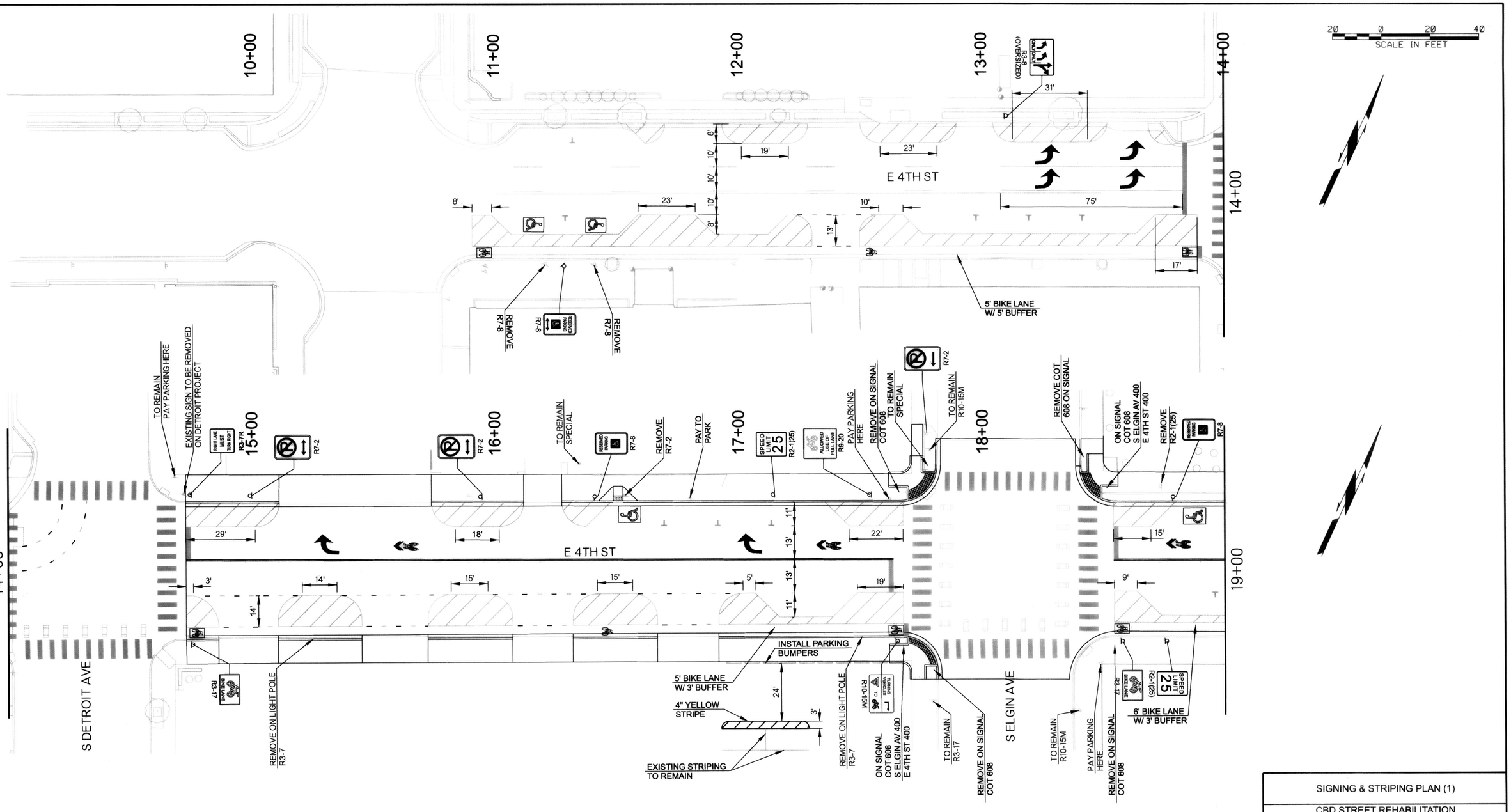

20 0 20 40
SCALE IN FEET

LEGEND

- 4" BROKEN WHITE LANE LINE (12' – 28' – 12', 40' CYCLE)
- 4" SOLID WHITE OR YELLOW LANE LINE
- 4" DOUBLE SOLID YELLOW CENTERLINE
- FIRE LANE
- PARKING 4" WHITE LINE (30" – 30")
- 24" STOP BAR
- DUAL WHITE TURN DASH LINE (2' – 4' – 2')
- 8" WHITE DIAGONAL LINE (45°, 8' c/c)
- WHITE ARROW
- ACCESSIBLE PARKING
- SHARED LANE MARKER
- BIKE LANE MARKER (GREEN BACKGROUND)
- BIKE LANE MARKER (MID-BLOCK)

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

LICENSED PROFESSIONAL ENGINEER REMINGTON S. MADDOX 25 OKLAHOMA
5-5-25

REVISION	BY	DATE

SIGNING & STRIPING PLAN (1)

CBD STREET REHABILITATION
4TH ST. LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1"=20'	DRAWN	POE	1/2023	APPROVED:
	DESIGNED	POE	1/2023	
	SURVEY	DT	6/2023	
PROFILE SCALE:	PROJ. MGR.		5-25	
HORIZONTAL: N/A	LEAD ENGR.			
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FILE: 303913-03-Signing & Striping				DATE: 6/9/2025
ATLAS PAGE NO: 1,8				SHEET 49 OF 63 SHEETS

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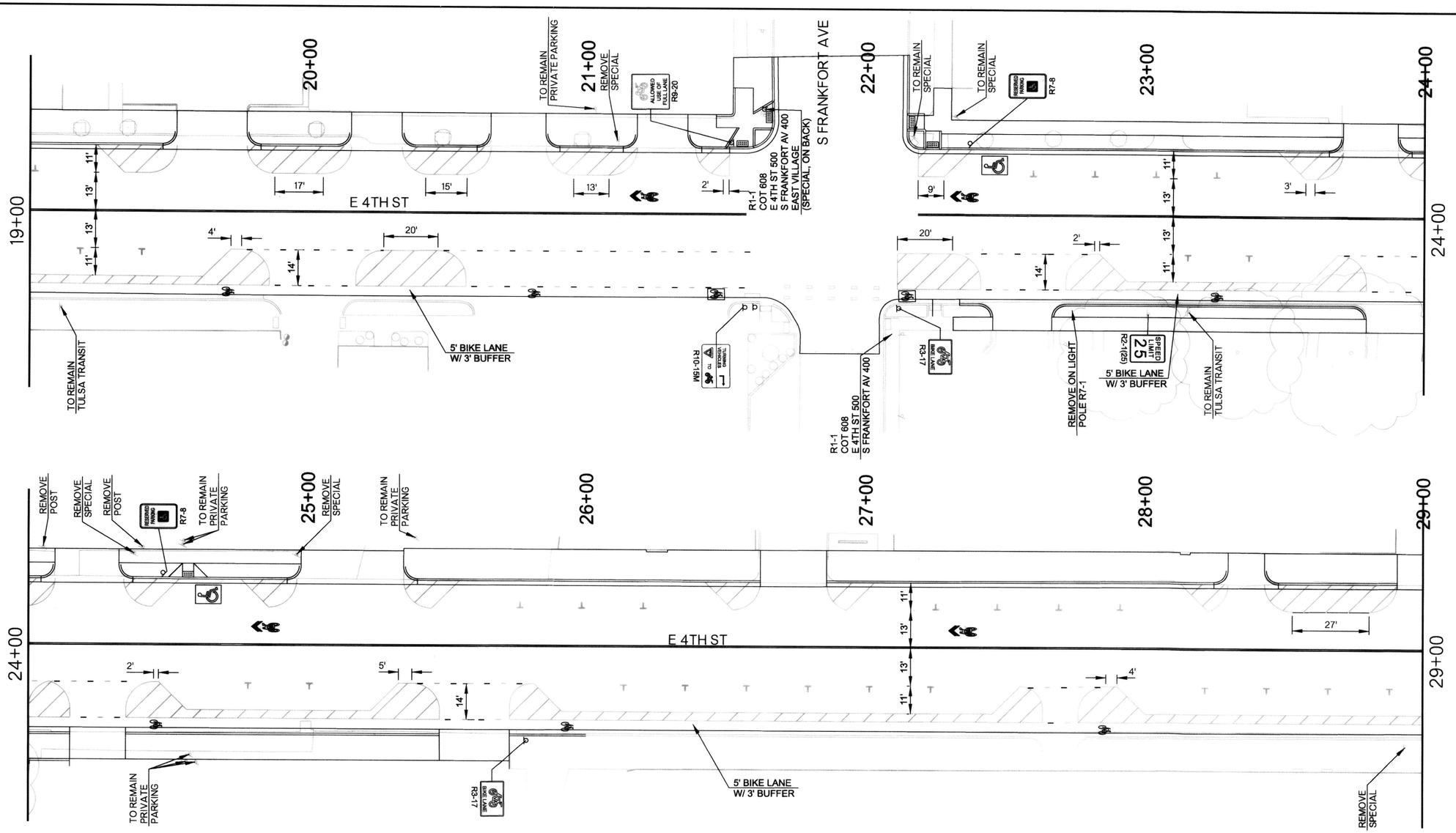

20 0 20 40
SCALE IN FEET

LEGEND

- 4" BROKEN WHITE LANE LINE (12' – 28' – 12', 40' CYCLE)
- 4" SOLID WHITE OR YELLOW LANE LINE
- 4" DOUBLE SOLID YELLOW CENTERLINE
- FIRE LANE
- PARKING 4" WHITE LINE (30" – 30")
- 24" STOP BAR
- DUAL WHITE TURN DASH LINE (2' – 4' – 2')
- 8" WHITE DIAGONAL LINE (45°, 8' c/c)
- WHITE ARROW
- ACCESSIBLE PARKING
- SHARED LANE MARKER
- BIKE LANE MARKER (GREEN BACKGROUND)
- BIKE LANE MARKER (MID-BLOCK)

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

REMINGTON S. MADDOX 24 LICENSED PROFESSIONAL ENGINEER OKLAHOMA
5-5-25

REVISION	BY	DATE

SIGNING & STRIPING PLAN (2)

CBD STREET REHABILITATION
4TH ST. LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1"=20'	DRAWN	POE	1/2023	APPROVED:
	DESIGNED	POE	1/2023	
	SURVEY	DT	6/2023	
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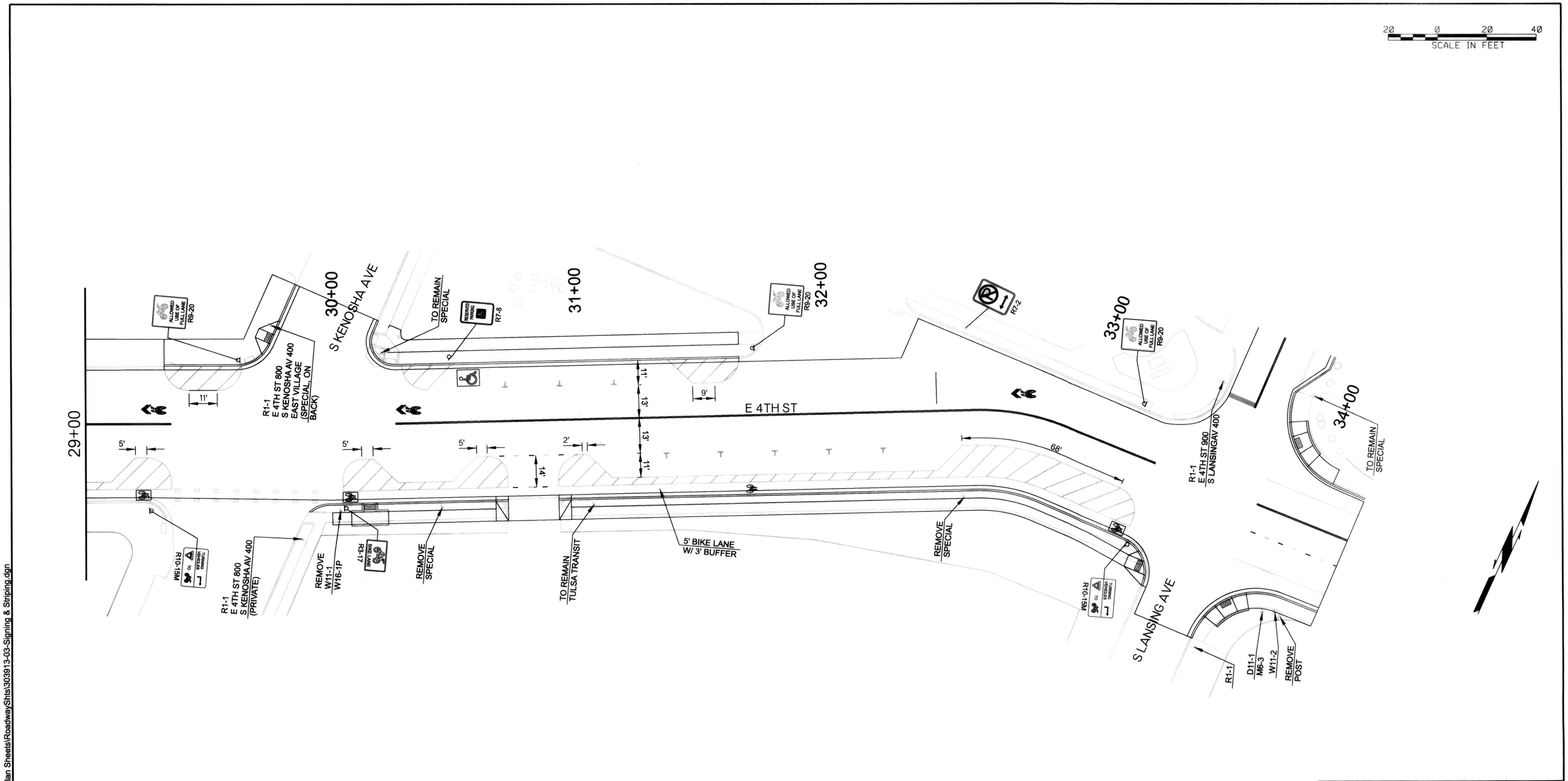

LEGEND

12' 28' 12' 40' CYCLE — 4" BROKEN WHITE LANE LINE	30" 30" — PARKING 4" WHITE LINE	45° 8' C/C — 8" WHITE DIAGONAL LINE	SHARED LANE MARKER
4" SOLID WHITE OR YELLOW LANE LINE	24" STOP BAR	WHITE ARROW	BIKE LANE MARKER (GREEN BACKGROUND)
4" DOUBLE SOLID YELLOW CENTERLINE	2' 4' 2' — DUAL WHITE TURN DASH LINE	ACCESSIBLE PARKING	BIKE LANE MARKER (MID-BLOCK)
FIRE LANE			

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

LICENSED PROFESSIONAL ENGINEER REMINGTON S. MADDOX OKLAHOMA

5-5-25

REVISION	BY	DATE

SIGNING & STRIPING PLAN (3)

CBD STREET REHABILITATION
4TH ST. LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

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	DESIGNED	POE	1/2023	
	SURVEY	DT	6/2023	
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	FIELD MGR.			
VERTICAL N/A	RECOMMENDED: HAS 5-25 DESIGN MANAGER			CITY ENGINEER
FILE: 303913-03-Signing & Striping				DATE: 6/9/2025
ATLAS PAGE NO: 1,8				SHEET 51 OF 63 SHEETS

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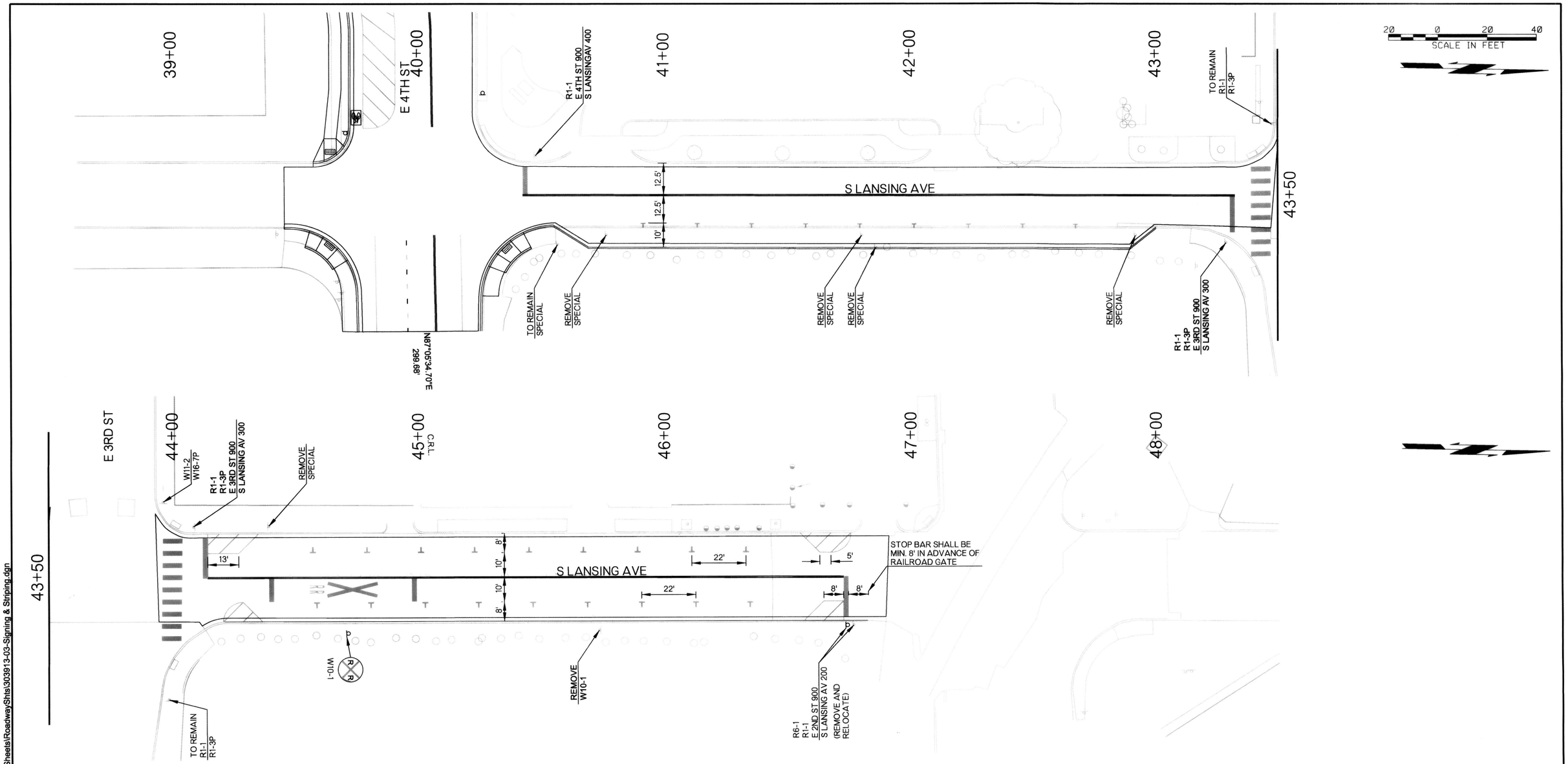

LEGEND

- 4" BROKEN WHITE LANE LINE (12' – 28' – 12', 40' CYCLE)
- 4" SOLID WHITE OR YELLOW LANE LINE
- 4" DOUBLE SOLID YELLOW CENTERLINE
- FIRE LANE
- PARKING 4" WHITE LINE (30" – 30")
- 24" STOP BAR
- DUAL WHITE TURN DASH LINE (2' – 4' – 2')
- 8" WHITE DIAGONAL LINE (45°, 8' c/c)
- WHITE ARROW
- ACCESSIBLE PARKING
- SHARED LANE MARKER
- BIKE LANE MARKER (GREEN BACKGROUND)
- BIKE LANE MARKER (MID-BLOCK)

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

LICENSED PROFESSIONAL ENGINEER REMINGTON S. MADDOX 25 OKLAHOMA
5-5-25

REVISION	BY	DATE

SIGNING & STRIPING PLAN (4)

CBD STREET REHABILITATION
4TH ST. LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1"=20'	DRAWN	POE	1/2023	APPROVED:
	DESIGNED	POE	1/2023	
	SURVEY	DT	6/2023	
PROFILE SCALE:	PROJ. MGR	TMD	5-25	
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VERTICAL N/A	RECOMMENDED: DESIGN MANAGER	HAS	5-25	CITY ENGINEER

FILE: 303913-03-Signing & Striping
DATE: 6/9/2025
ATLAS PAGE NO. 1,8
SHEET 52 OF 63 SHEETS

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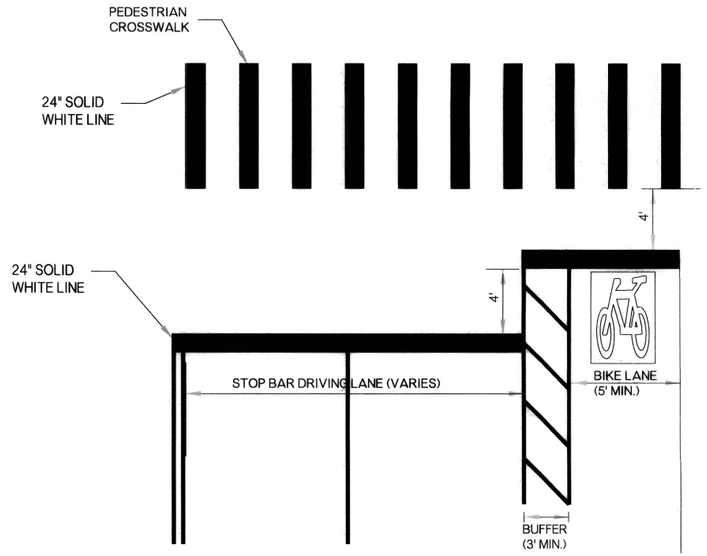
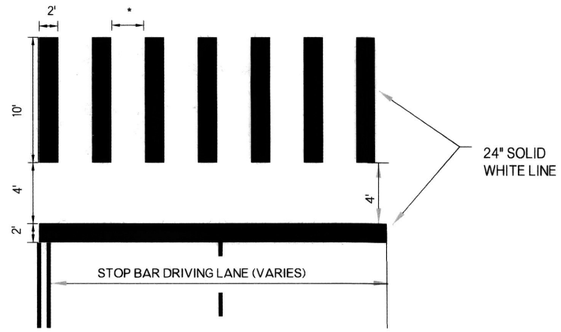


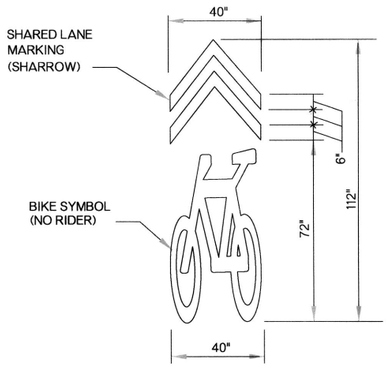
BIKE LANE STOP BAR OFFSET DETAIL
N.T.S.

NOTE:

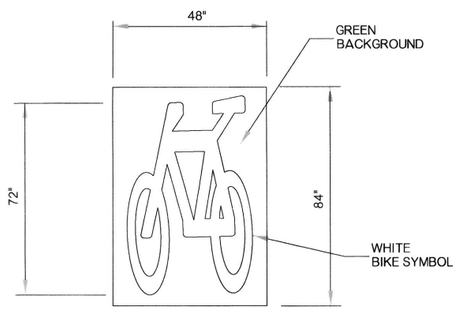
* CROSSWALK BARS SHALL BE EVENLY SPACED AND SHALL BE PLACED IN LINE WITH THE LANE LINES AND AT THE CENTERLINE OF EACH LANE.



CONTINENTAL CROSSWALK DETAIL
N.T.S.

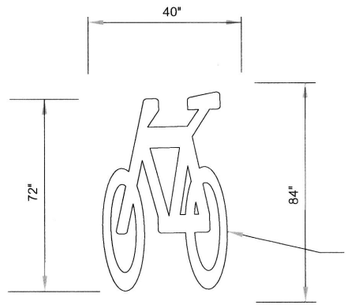


SHARED LANE (SHARROW) MARKING
N.T.S.
SEE MUTCD FIGURE 9C-9

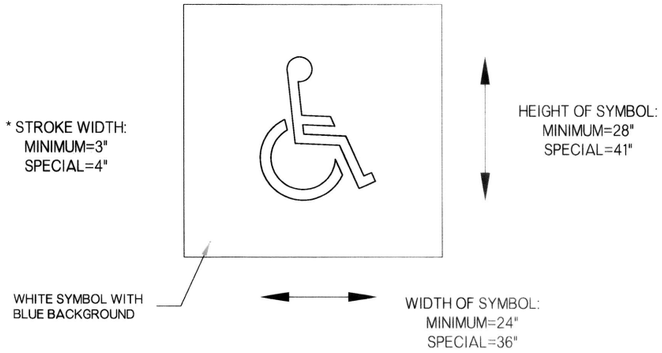


PRE-FORMED PAVEMENT MARKING, GREEN WITH WHITE BIKE SYMBOL PLACED AT BEGIN/END OF CONFLICT AREAS

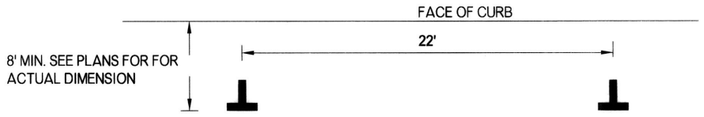
BIKE LANE MARKER
N.T.S.



BIKE LANE MARKER (MID-BLOCK)
N.T.S.



ACCESSIBLE PARKING SYMBOL
N.T.S.



ON STREET PARKING DETAIL
N.T.S.

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

LICENSED PROFESSIONAL ENGINEER REMINGTON S. MADDOX 25 OKLAHOMA
5-5-25

REVISION	BY	DATE

SIGNING & STRIPING PLAN (5)

CBD STREET REHABILITATION
4TH ST. LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: N/A	DRAWN	POE	1/2023	APPROVED:
	DESIGNED	POE	1/2023	
	SURVEY			
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HORIZONTAL: N/A	LEAD ENGR.			
	FIELD MGR.			
VERTICAL: N/A	RECOMMENDED: DESIGN MANAGER	HAS	5-25	CITY ENGINEER
FILE: 303913-03-Signing & Striping_Details				DATE: 6/9/2025
ATLAS PAGE NO: 1,8				SHEET 53 OF 63 SHEETS

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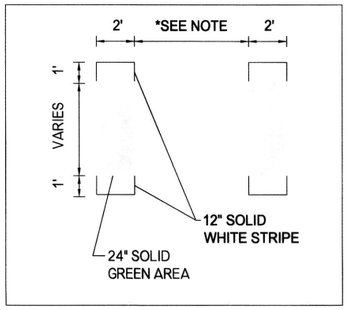
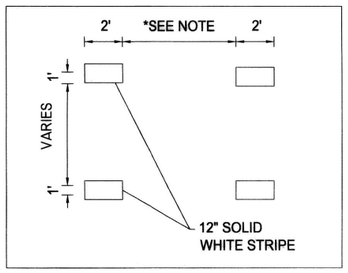
DIMENSIONS FOR BIKE LANE
CONFLICT AREA 1
(THRU INTERSECTION)



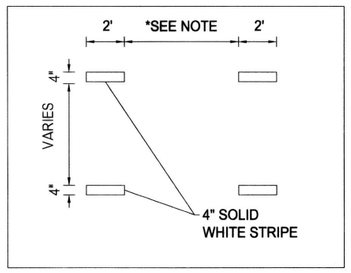
N.T.S.

DIMENSIONS FOR BIKE LANE
CONFLICT AREA 2
(THRU NON-SIGNALIZED INTERSECTION)



N.T.S.

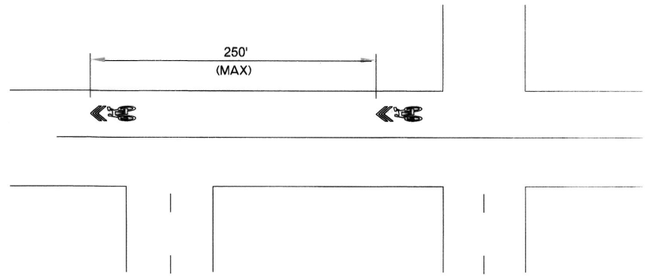
DIMENSIONS FOR BIKE LANE
CONFLICT AREA 3
(THRU DRIVEWAYS)



N.T.S.

NOTE:

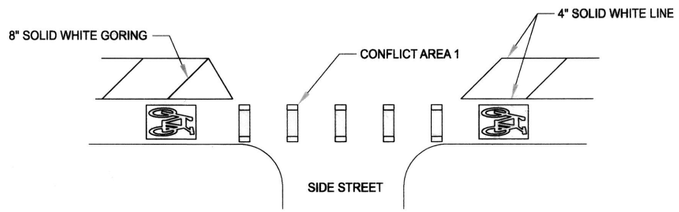
* **BIKE LANE CONFLICT MARKINGS SHALL BE EVENLY SPACED AND SHALL BE PLACED IN LINE WITH CROSSWALK MARKINGS, ON THE LANE LINES, AND AT THE CENTERLINE OF EACH LANE.**



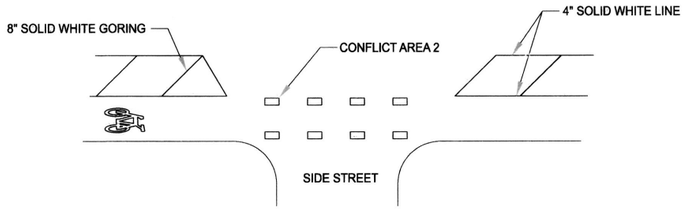
SHARED LANE (SHARROW) MARKING
N.T.S.

SHARROW GENERAL NOTES:

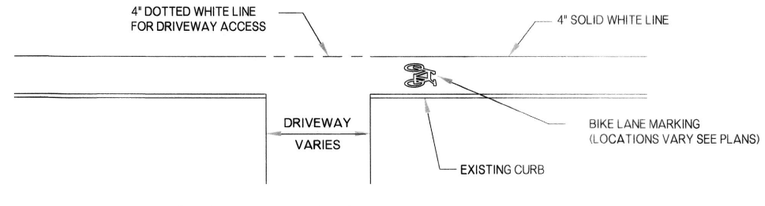
1. SHARROWS SHALL NOT BE PLACED ON STREETS WITH SPEED LIMIT ABOVE 35mph.
2. SHARROWS SHALL NOT BE USED ON SHOULDERS OR IN DESIGNATED BIKE LANES.
3. PLACEMENT OF SHARROWS SHALL BE MEASURED FROM FACE OF CURB TO THE APEX OF THE CHEVRON.



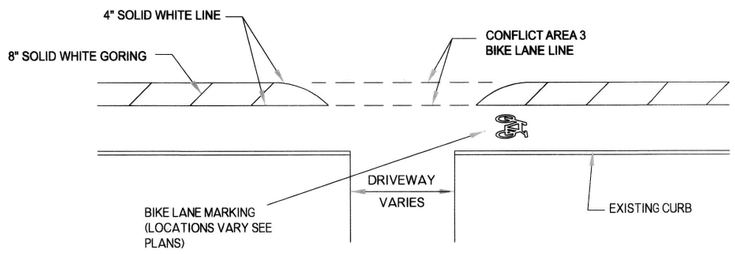
BUFFERED BIKE LANE AT SIGNALIZED STREET
N.T.S.



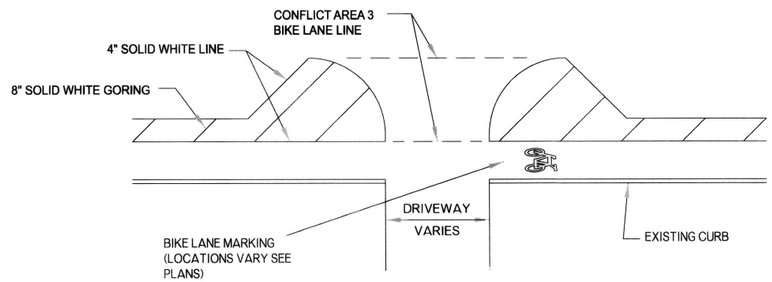
BUFFERED BIKE LANE AT STOP CONTROLLED STREET RETURNS
N.T.S.



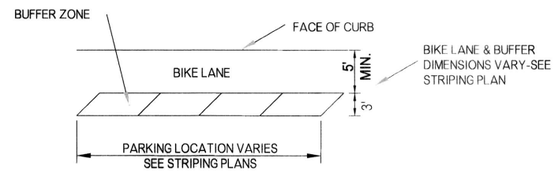
BIKE LANE WITHOUT BUFFER
N.T.S.



BIKE LANE WITH 3' BUFFER DETAIL
N.T.S.



BIKE LANE WITH BUFFER LARGER THAN 3'
N.T.S.



TYPICAL BIKE LANE LAYOUT
N.T.S.

NOTE:

1. ALL STRIPING & SIGNAGE SHALL MEET CURRENT MUTCD GUIDELINES AND CITY OF TULSA STANDARDS

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

REMINGTON S. MADDOX 2
LICENSED PROFESSIONAL ENGINEER
OKLAHOMA
5-5-25

SIGNING & STRIPING PLAN (6)

CBD STREET REHABILITATION
4TH ST. LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: N/A
PROFILE SCALE: HORIZONTAL N/A, VERTICAL N/A

DRAWN	POE	1/2023	APPROVED:
DESIGNED	POE	1/2023	
SURVEY			
PROJ. MGR		5-25	
LEAD ENGR			
FIELD MGR			
RECOMMENDED		5-25	
DESIGN MANAGER			CITY ENGINEER

FILE: 303913-03-Signing & Striping_Details
DATE: 6/9/2025
ATLAS PAGE NO: 1,8
SHEET 54 OF 63 SHEETS

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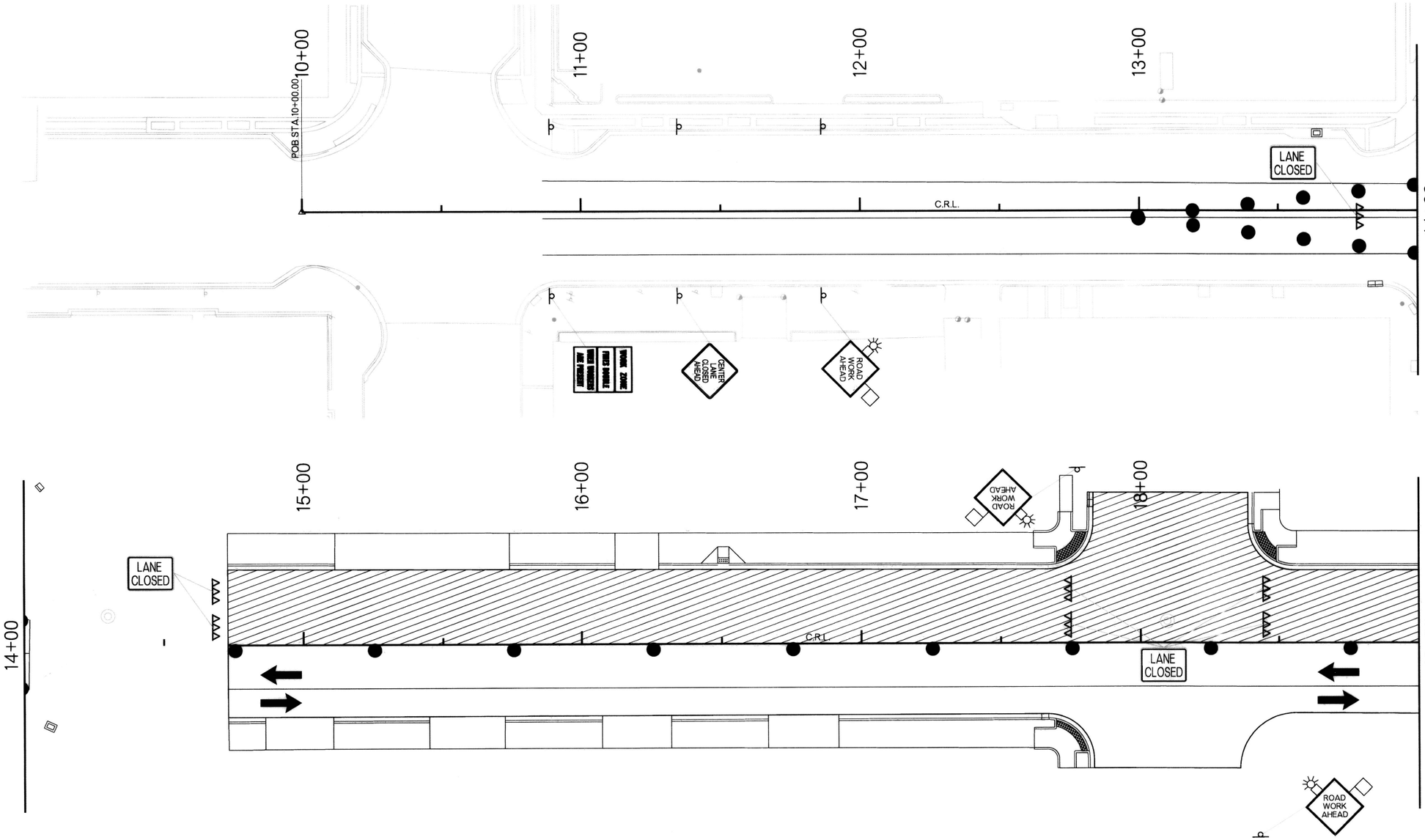

LEGEND

▷	SIGN	◁▷	VERTICAL PANEL
•	DRUM		IMPACT ATTENUATOR
▨	P.C. RECONSTRUCTION		PORTABLE LONGITUDINAL BARRIER
▭	COMPLETED CONSTRUCTION	◉	TUBE CHANNELIZER
▬	MESSAGE BOARD	▯▯	STACKABLE VERTICAL PANELS w/ TYPE "C" LIGHTS
△△△	TYPE III BARRICADE		

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

LICENSED PROFESSIONAL ENGINEER REMINGTON S. MADDOX 25 OKLAHOMA
5-5-25

REVISION	BY	DATE

TRAFFIC CONTROL PLAN (1)
PHASE 1

CBD STREET REHABILITATION
4TH ST./LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1"=20'	DRAWN	POE	1/2023	APPROVED:
	DESIGNED	POE	1/2023	
	SURVEY	DT	6/2023	
PROFILE SCALE:	PROJ. MGR.			
	LEAD ENGR			
HORIZONTAL: NA	FIELD MGR.			
VERTICAL NA	RECOMMENDED: HBS 5-25 DESIGN MANAGER			CITY ENGINEER
FILE: 303913-03 TRAFFIC CONTROL.DGN				DATE: 6/9/2025
ATLAS PAGE NO: I,J				SHEET 55 OF 63 SHEETS

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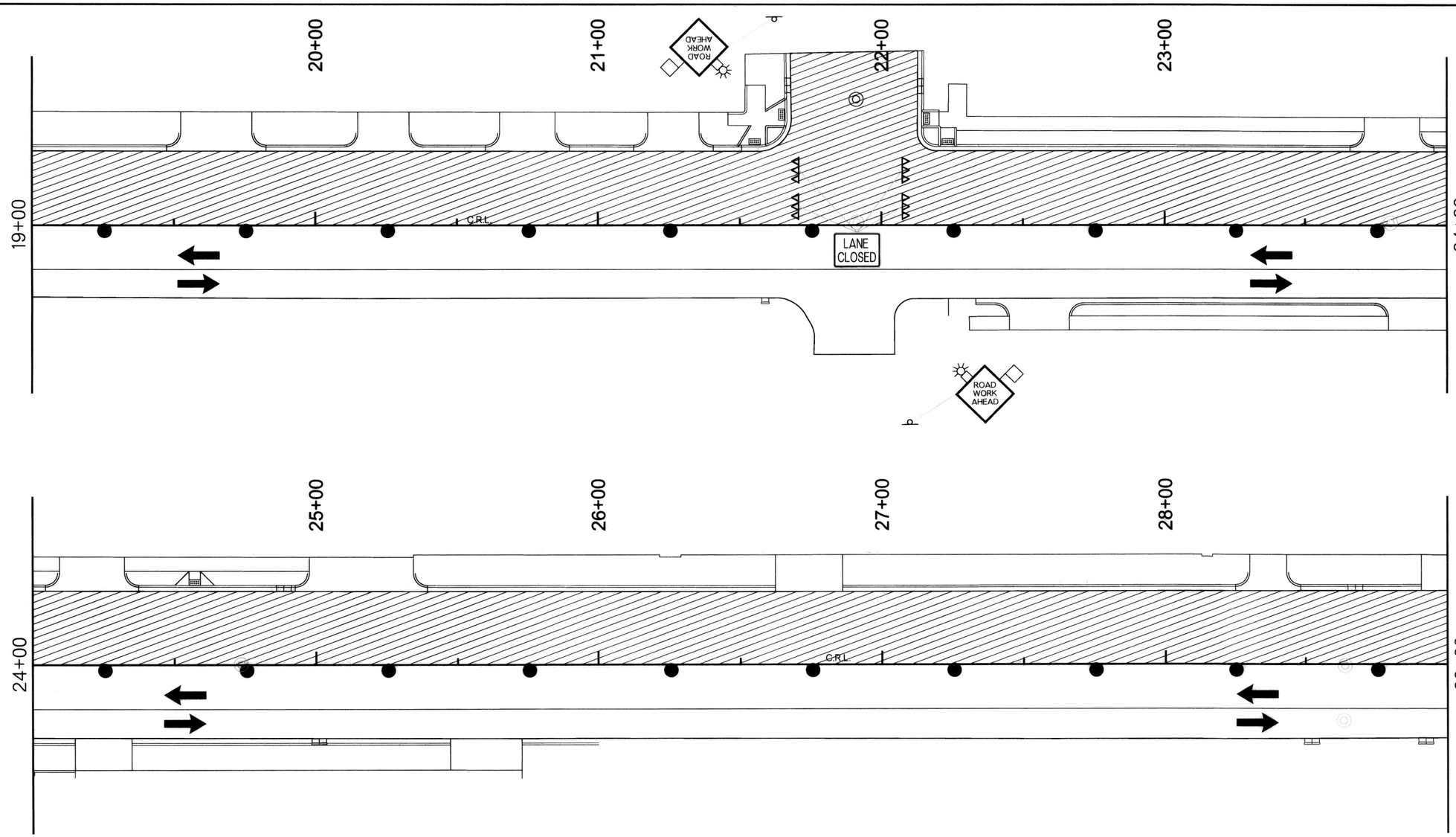

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SCALE IN FEET

LEGEND

▷	SIGN	◁▷	VERTICAL PANEL
•	DRUM	▭▭▭	IMPACT ATTENUATOR
▨	P.C. RECONSTRUCTION	———	PORTABLE LONGITUDINAL BARRIER
▭	COMPLETED CONSTRUCTION	◉	TUBE CHANNELIZER
▬	MESSAGE BOARD	◫	STACKABLE VERTICAL PANELS w/ TYPE "C" LIGHTS
△△△	TYPE III BARRICADE		

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

LICENSED PROFESSIONAL ENGINEER REMINGTON S. MADDOX 25 OKLAHOMA
5-5-25

REVISION	BY	DATE

TRAFFIC CONTROL PLAN (2)
PHASE 1

CBD STREET REHABILITATION
4TH ST./LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1"=20'	DRAWN	POE	1/2023	APPROVED:
	DESIGNED	POE	1/2023	
	SURVEY	DT	6/2023	
PROFILE SCALE:	PROJ. MGR.			
HORIZONTAL: NA	LEAD ENGR.			
	FIELD MGR.			
VERTICAL NA	RECOMMENDED: HAS 5-23-25			CITY ENGINEER
	DESIGN MANAGER			
FILE: 303913-03 TRAFFIC CONTROL.DGN				DATE: 6/9/2025
ATLAS PAGE NO: 18				SHEET 56 OF 63 SHEETS

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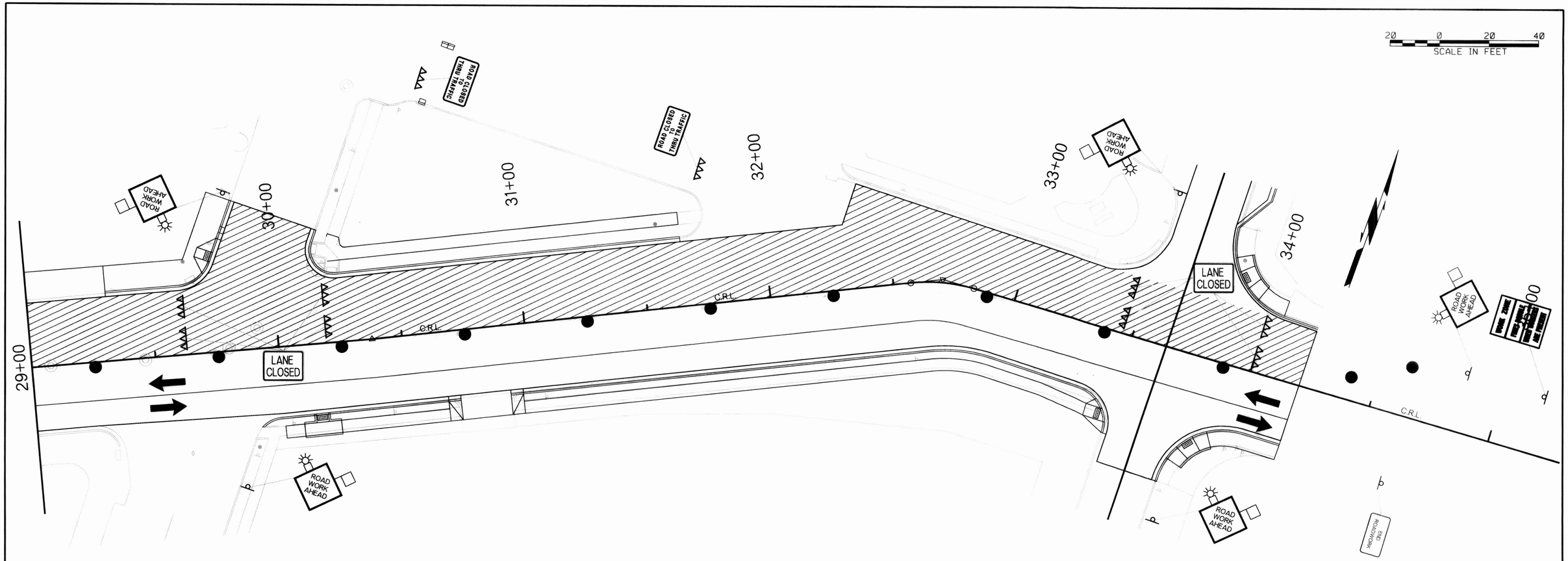

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LEGEND

	SIGN		VERTICAL PANEL
	DRUM		IMPACT ATTENUATOR
	P.C. RECONSTRUCTION		PORTABLE LONGITUDINAL BARRIER
	COMPLETED CONSTRUCTION		TUBE CHANNELIZER
	MESSAGE BOARD		STACKABLE VERTICAL PANELS w/ TYPE "C" LIGHTS
	TYPE III BARRICADE		

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

LICENSED PROFESSIONAL ENGINEER REMINGTON S. MADDOX 25 OKLAHOMA

5-5-25

TRAFFIC CONTROL PLAN (3)
PHASE 1

CBD STREET REHABILITATION
4TH ST./LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

PLAN SCALE: 1"=20'	DRAWN	POE	1/2023
	DESIGNED	POE	1/2023
	SURVEY	DT	6/2023
PROFILE SCALE:	PROJ. MGR.		
HORIZONTAL: NA	LEAD ENGR.		
	FIELD MGR.		
VERTICAL: NA	RECOMMENDED: HAS 5-25 DESIGN MANAGER		

APPROVED:

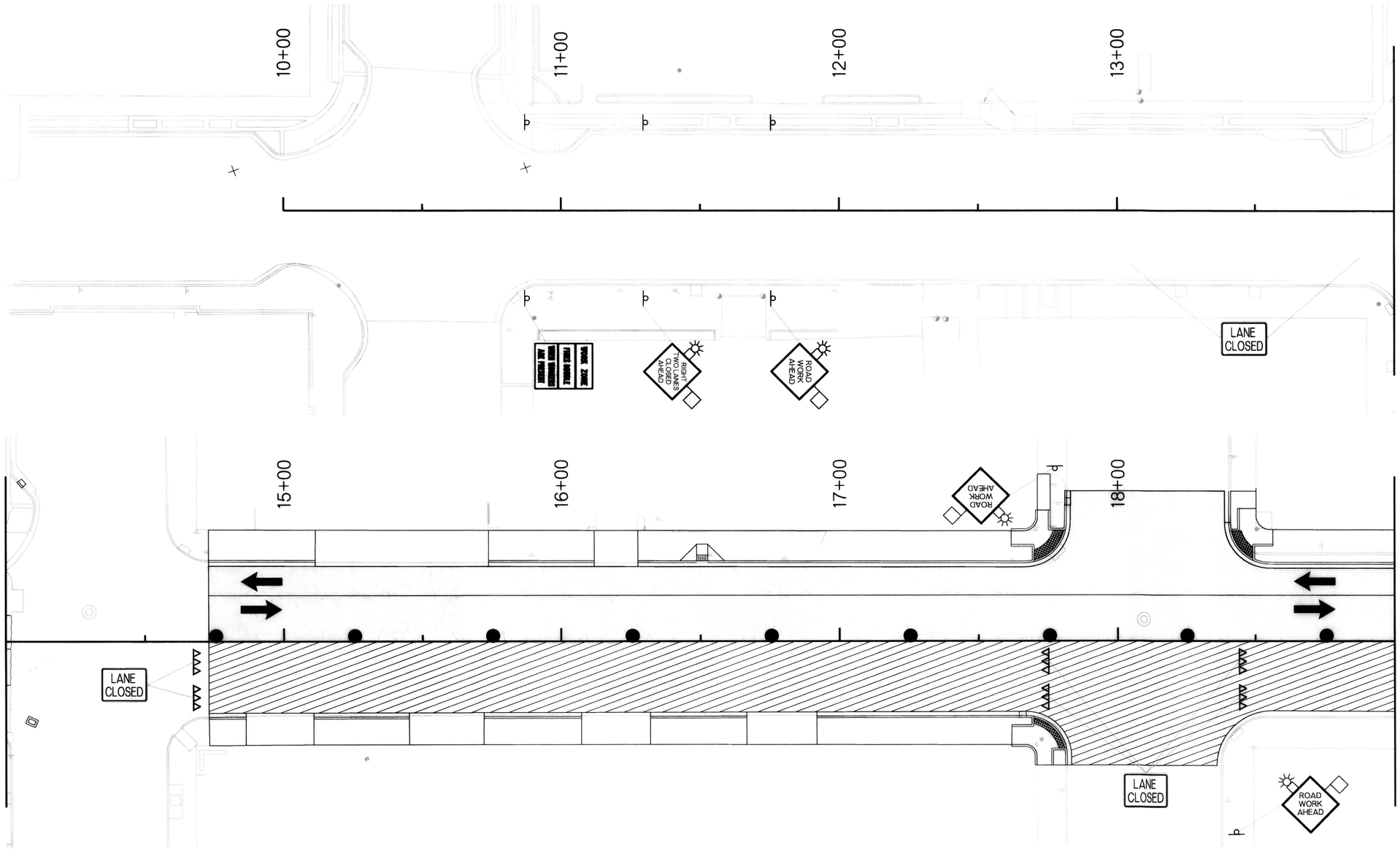
CITY ENGINEER

FILE: 303913-03 TRAFFIC CONTROL.DGN

DATE: 6/9/2025

ATLAS PAGE NO: 1,8

SHEET 57 OF 63 SHEETS



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LEGEND

P	SIGN	◁▷	VERTICAL PANEL
•	DRUM		IMPACT ATTENUATOR
	P.C. RECONSTRUCTION		PORTABLE LONGITUDINAL BARRIER
	COMPLETED CONSTRUCTION	◉	TUBE CHANNELIZER
	MESSAGE BOARD	⊡	STACKABLE VERTICAL PANELS w/ TYPE "C" LIGHTS
△△△	TYPE III BARRICADE		

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

LICENSED PROFESSIONAL ENGINEER REMINGTON S. MADDOX 25 OKLAHOMA 5-5-25

REVISION	BY	DATE

TRAFFIC CONTROL PLAN (4)
PHASE 2

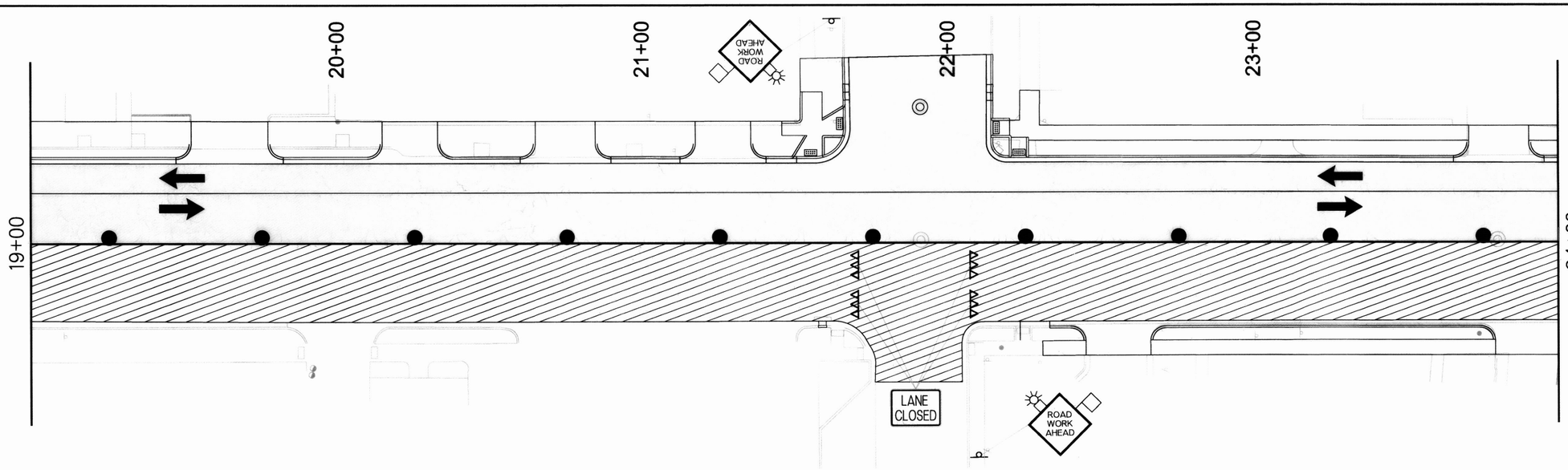
CBD STREET REHABILITATION
4TH ST./LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

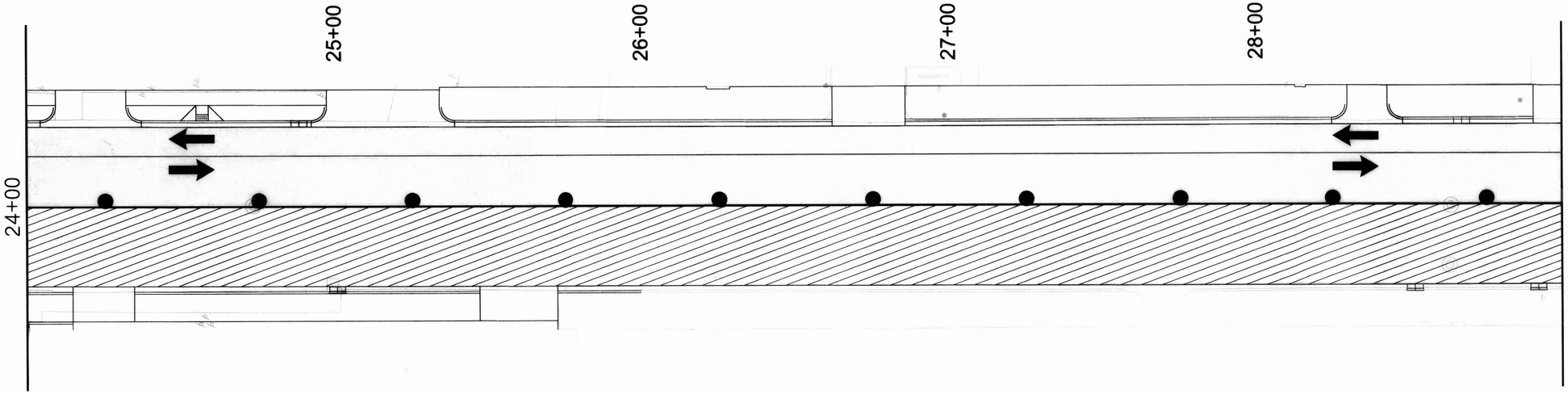
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1"=20'	DRAWN	POE	1/2023	APPROVED:
	DESIGNED	POE	1/2023	
	SURVEY	DT	6/2023	
PROFILE SCALE:	PROJ. MGR			
HORIZONTAL: NA	LEAD ENGR			
	FIELD MGR			
VERTICAL NA	RECOMMENDED DESIGN MANAGER		HAS 5-25	CITY ENGINEER

FILE: 303913-03 TRAFFIC CONTROL.DGN — DATE: 6/9/2025
ATLAS PAGE NO: 1,8 — SHEET 58 OF 63 SHEETS





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SCALE IN FEET

LEGEND

SIGN	VERTICAL PANEL
DRUM	IMPACT ATTENUATOR
P.C. RECONSTRUCTION	PORTABLE LONGITUDINAL BARRIER
COMPLETED CONSTRUCTION	TUBE CHANNELIZER
MESSAGE BOARD	STACKABLE VERTICAL PANELS w/ TYPE "C" LIGHTS
TYPE III BARRICADE	

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

LICENSED PROFESSIONAL ENGINEER REMINGTON S. MADDOX 25 OKLAHOMA
5-5-25

REVISION	BY	DATE

TRAFFIC CONTROL PLAN (5)
PHASE 2

CBD STREET REHABILITATION
4TH ST./LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1"=20'	DRAWN	POE	1/2023	APPROVED:
	DESIGNED	POE	1/2023	
	SURVEY	DT	6/2023	
PROFILE SCALE:	PROJ MGR			
HORIZONTAL: NA	LEAD ENGR			
	FIELD MGR			
VERTICAL NA	RECOMMENDED: DESIGN MANAGER		HAS 5-25	CITY ENGINEER

FILE: 303913-03 TRAFFIC CONTROL.DGN — DATE 6/9/2025
ATLAS PAGE NO. 1,8 — SHEET 59 OF 63 SHEETS

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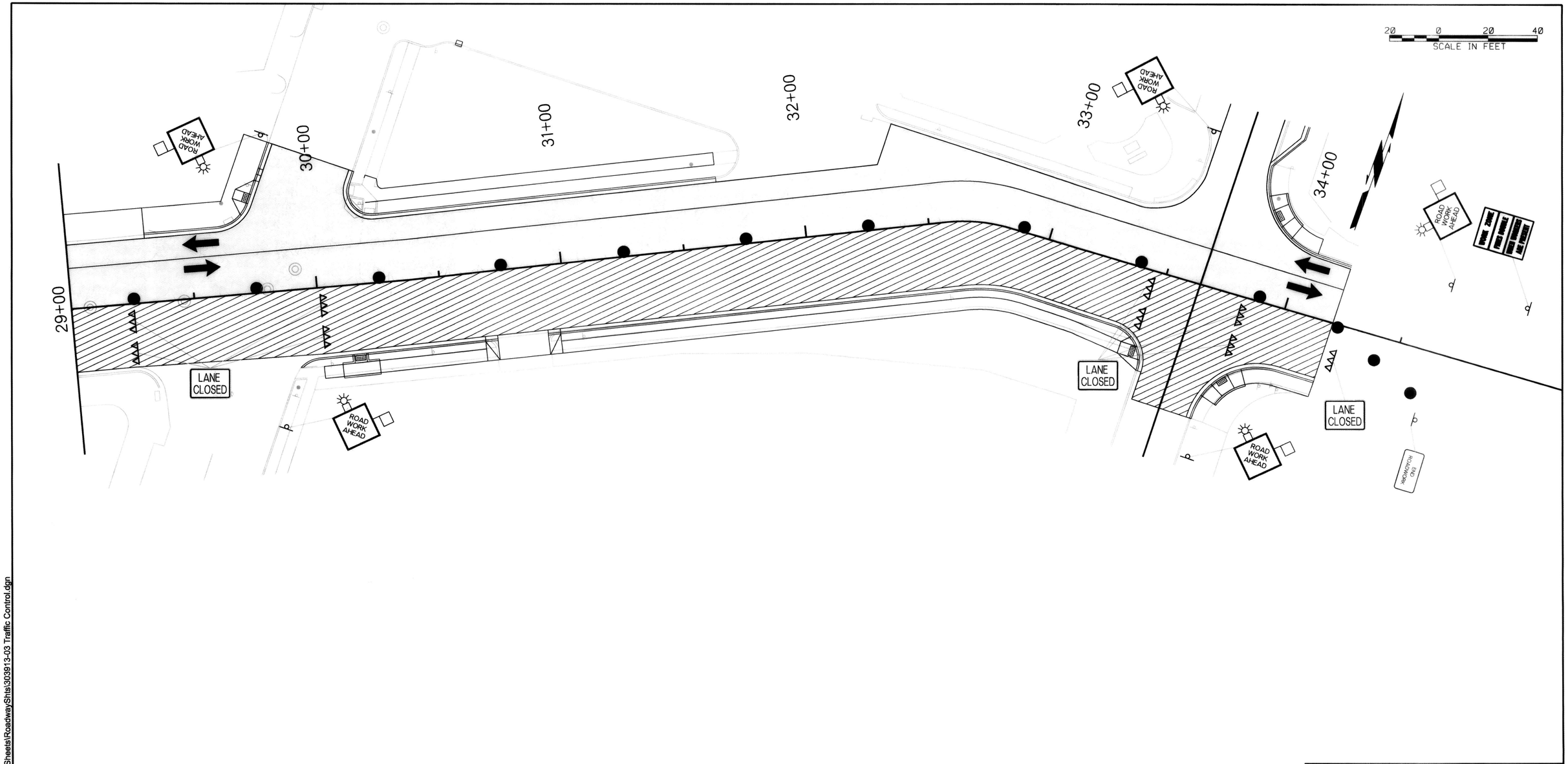

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LEGEND

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	DRUM		IMPACT ATTENUATOR
	P.C. RECONSTRUCTION		PORTABLE LONGITUDINAL BARRIER
	COMPLETED CONSTRUCTION		TUBE CHANNELIZER
	MESSAGE BOARD		STACKABLE VERTICAL PANELS w/ TYPE "C" LIGHTS
	TYPE III BARRICADE		

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

LICENSED PROFESSIONAL ENGINEER REMINGTON S. MADDOX 2... OKLAHOMA

5-5-25

REVISION	BY	DATE

TRAFFIC CONTROL PLAN (6)
PHASE 2

CBD STREET REHABILITATION
4TH ST./LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1"=20'	DRAWN	POE	1/2023	APPROVED:
	DESIGNED	POE	1/2023	
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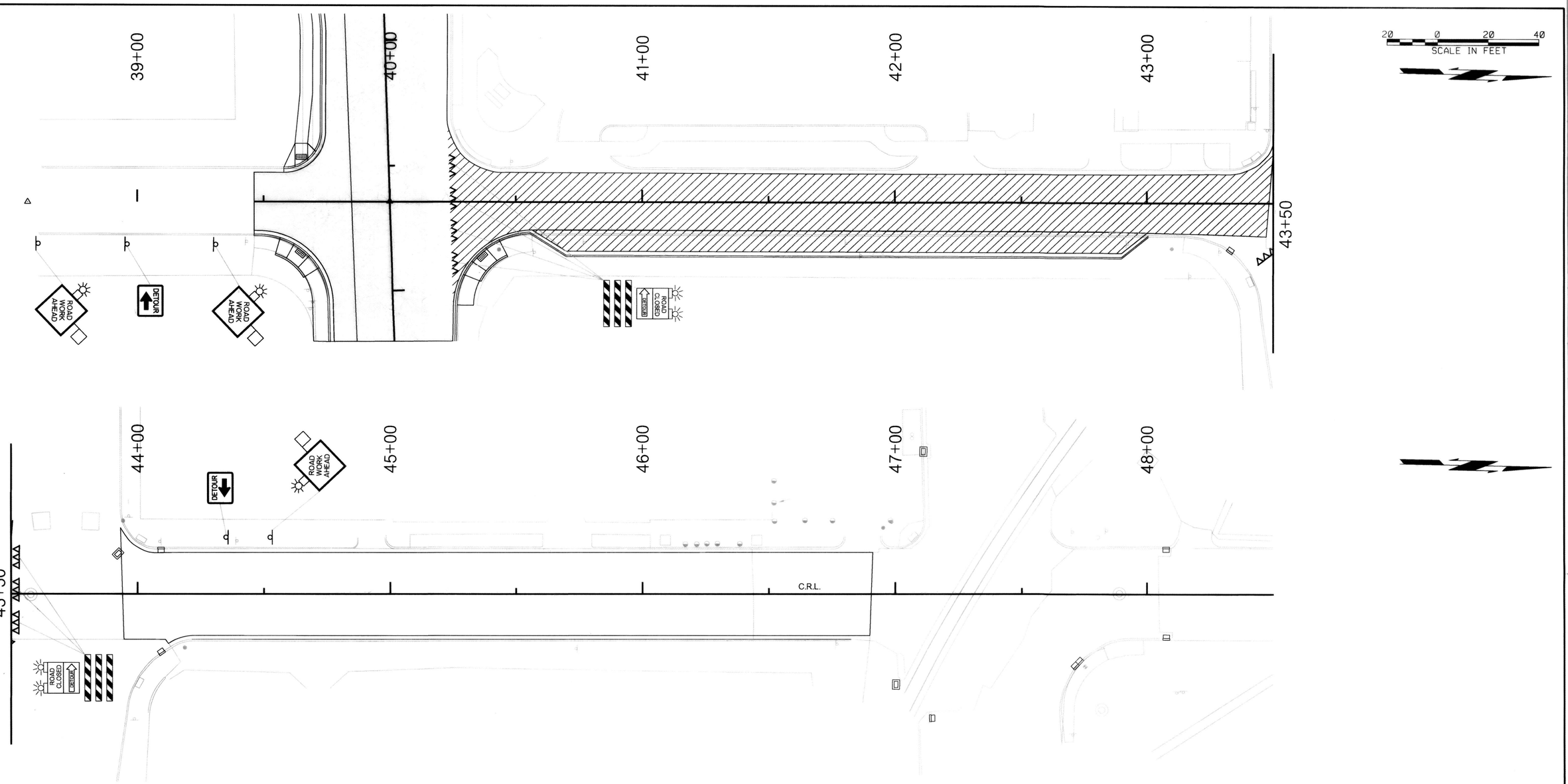
HORIZONTAL: NA	LEAD ENGR.			
	FIELD MGR.			
VERTICAL NAA	RECOMMENDED HAS 5-25			CITY ENGINEER
	DESIGN MANAGER			
FILE: 303913-03 TRAFFIC CONTROL.DGN				DATE: 6/9/2025
ATLAS PAGE NO: 1,8				SHEET 60 OF 63 SHEETS



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LEGEND

SIGN	VERTICAL PANEL
DRUM	IMPACT ATTENUATOR
P.C. RECONSTRUCTION	PORTABLE LONGITUDINAL BARRIER
COMPLETED CONSTRUCTION	TUBE CHANNELIZER
MESSAGE BOARD	STACKABLE VERTICAL PANELS w/ TYPE "C" LIGHTS
TYPE III BARRICADE	

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

LICENSED PROFESSIONAL ENGINEER REMINGTON S. MADDOX 25 OKLAHOMA 5-5-25

REVISION	BY	DATE

TRAFFIC CONTROL PLAN (7)
PHASE 3

CBD STREET REHABILITATION
4TH ST./LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1"=20'	DRAWN	POE	1/2023	APPROVED:
	DESIGNED	POE	1/2023	
	SURVEY	DT	6/2023	
PROFILE SCALE:	PROJ. MGR.			
HORIZONTAL: NA	LEAD ENGR.			
	FIELD MGR.			
VERTICAL: NA	RECOMMENDED: HAS 5-23-25			CITY ENGINEER
	DESIGN MANAGER			

FILE: 303913-03 TRAFFIC CONTROL.DGN — DATE: 6/9/2025
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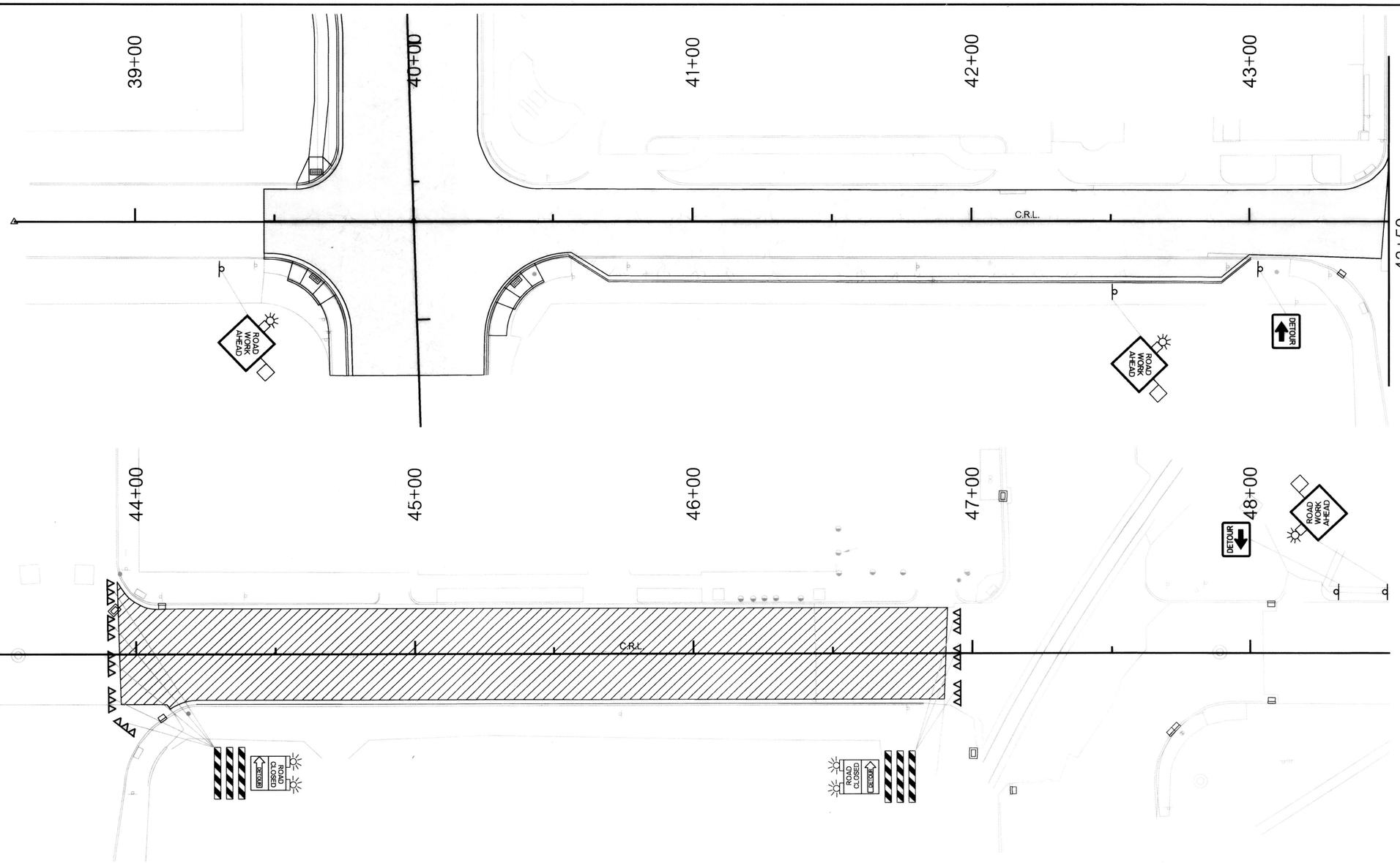

LEGEND

- SIGN
- DRUM
- P.C. RECONSTRUCTION
- COMPLETED CONSTRUCTION
- MESSAGE BOARD
- TYPE III BARRICADE
- VERTICAL PANEL
- IMPACT ATTENUATOR
- PORTABLE LONGITUDINAL BARRIER
- TUBE CHANNELIZER
- STACKABLE VERTICAL PANELS w/ TYPE "C" LIGHTS

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

LICENSED PROFESSIONAL ENGINEER REMINGTON S. MADDOX 25 OKLAHOMA
5-5-25

REVISION	BY	DATE

TRAFFIC CONTROL PLAN (8)
PHASE 4

CBD STREET REHABILITATION
4TH ST./LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY
POE & ASSOCIATES INC.
Tulsa, Oklahoma

PLAN SCALE: 1"=20'	DRAWN	POE	1/2023	APPROVED:
	DESIGNED	POE	1/2023	
	SURVEY	DT	6/2023	
PROFILE SCALE:	PROJ. MGR.			
HORIZONTAL: NA	LEAD ENGR.			
	FIELD MGR.			
VERTICAL: NA	RECOMMENDED: DESIGN MANAGER		HAS 5-25	CITY ENGINEER
FILE: 303913-03 TRAFFIC CONTROL.DGN				DATE: 6/9/2025
ATLAS PAGE NO: 1,8				SHEET 62 OF 63 SHEETS

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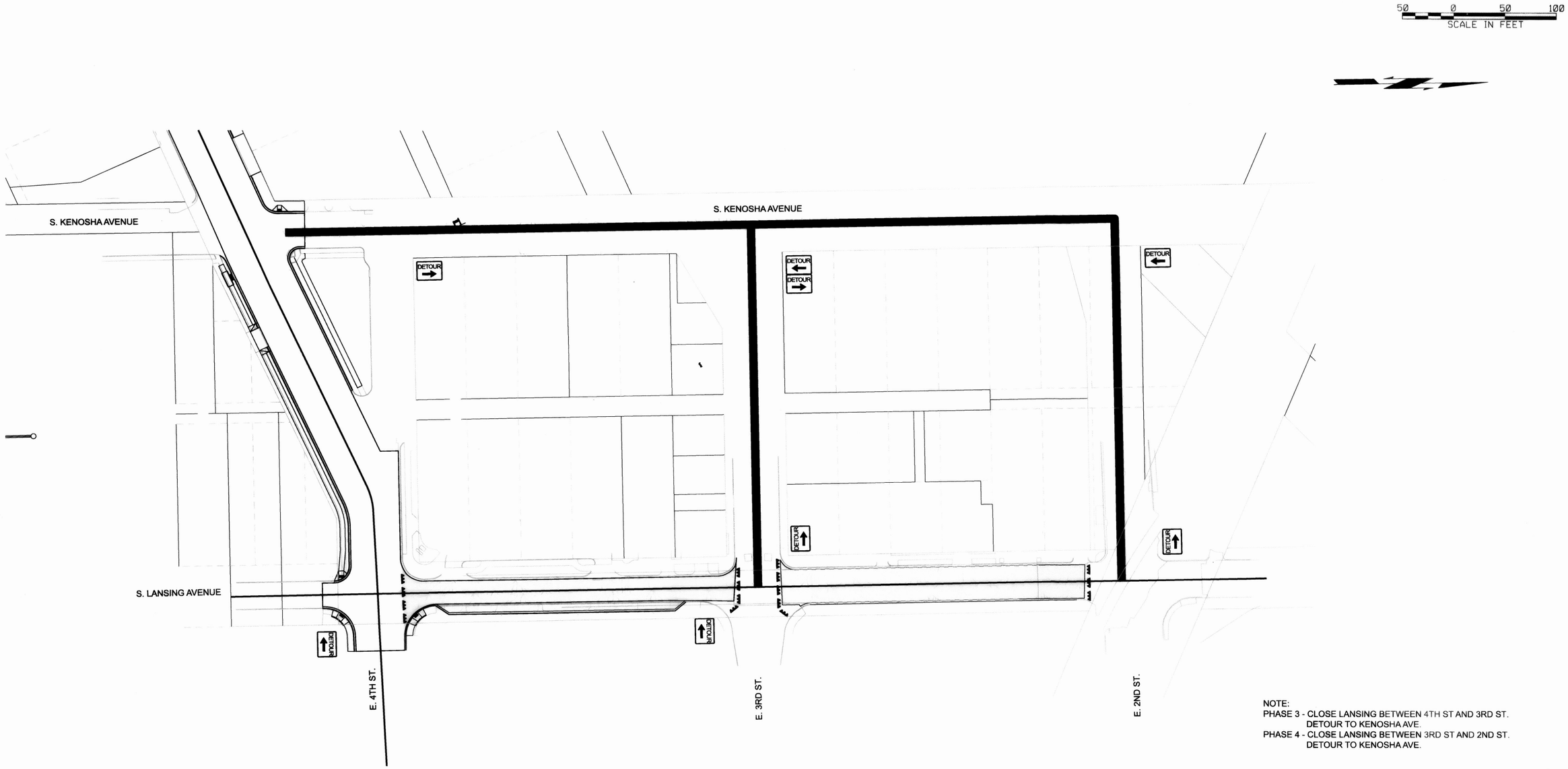

NOTE:
PHASE 3 - CLOSE LANSING BETWEEN 4TH ST AND 3RD ST. DETOUR TO KENOSHA AVE.
PHASE 4 - CLOSE LANSING BETWEEN 3RD ST AND 2ND ST. DETOUR TO KENOSHA AVE.

LEGEND

DETOUR ROUTE

WORK ZONE

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

LICENSED PROFESSIONAL ENGINEER REMINGTON S. MADDOX 25 OKLAHOMA

5-5-25

TRAFFIC CONTROL DETOUR

CBD STREET REHABILITATION
4TH ST. LANSING AVE
PROJECT NOS. 2036D0001Z & 2036D0006Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
POE & ASSOCIATES INC.
Tulsa, Oklahoma

REVISION	BY	DATE

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	FIELD MGR.			
VERTICAL: N/A	RECOMMENDED: HAS 5-25 DESIGN MANAGER			CITY ENGINEER
FILE: 303913-03 Traffic Control- Detour				DATE: 6/9/2025
ATLAS PAGE NO: 1,8				SHEET 63 OF 63 SHEETS

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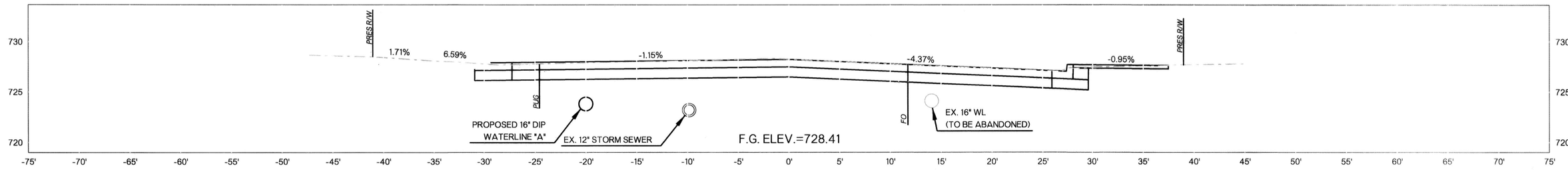

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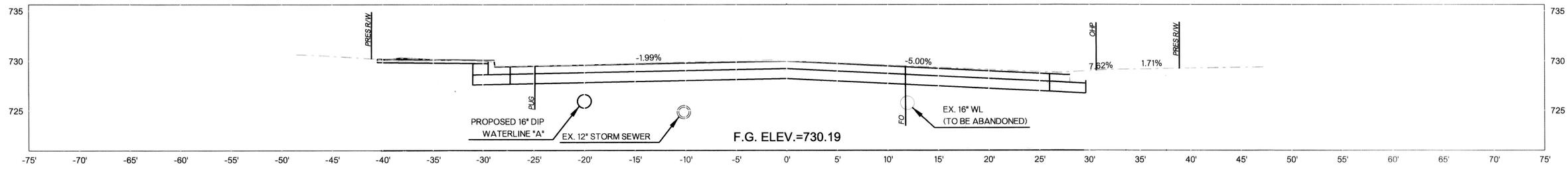

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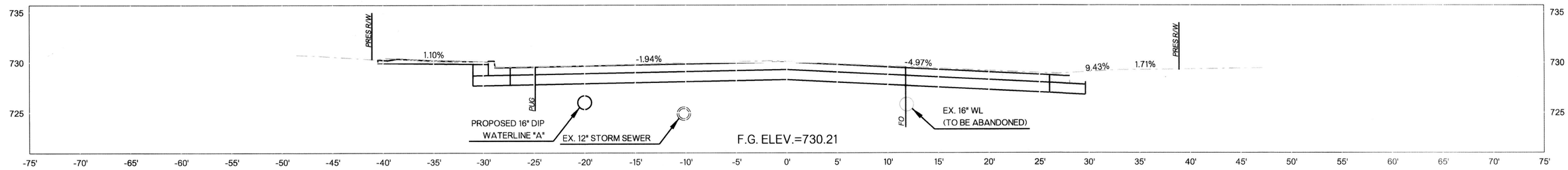

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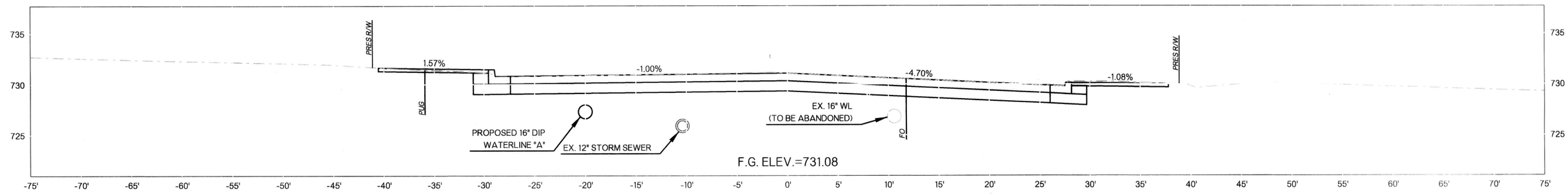

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BEGIN 4TH ST. RECONSTRUCTION

CROSS SECTION
PROJECT NO. 2036D0001Z & 2036D0006Z SHEET NO. XS01

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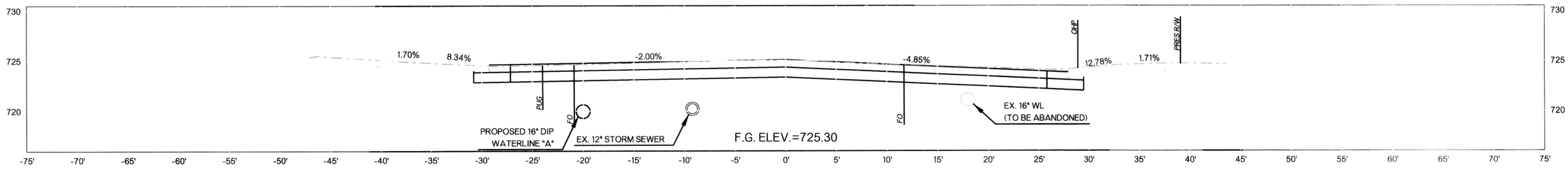
4/3/2025



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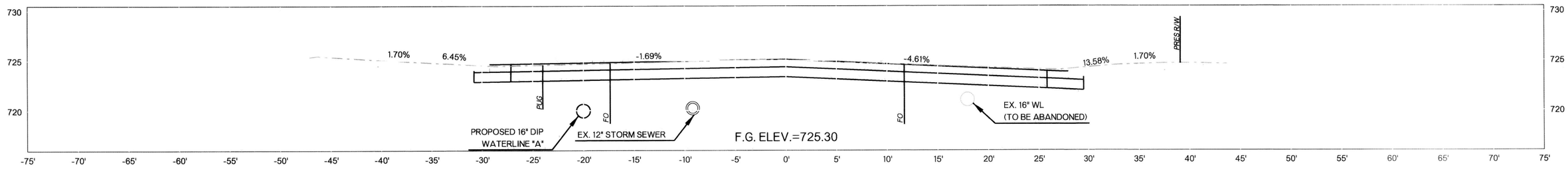

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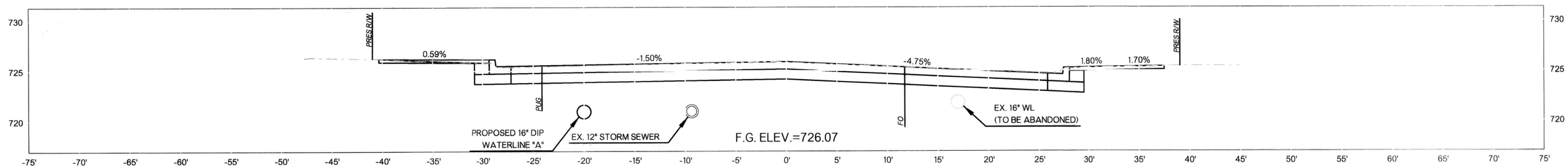

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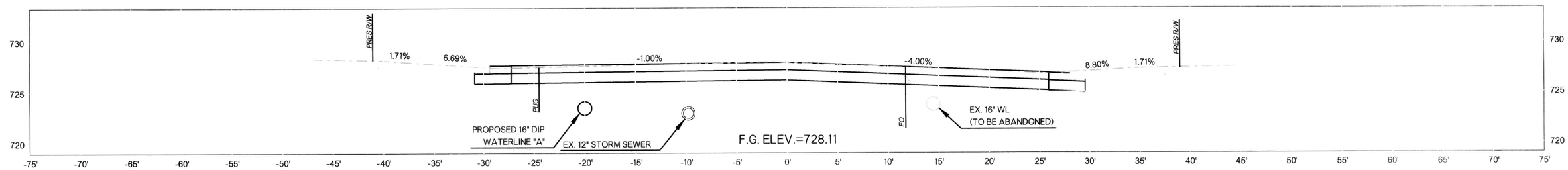

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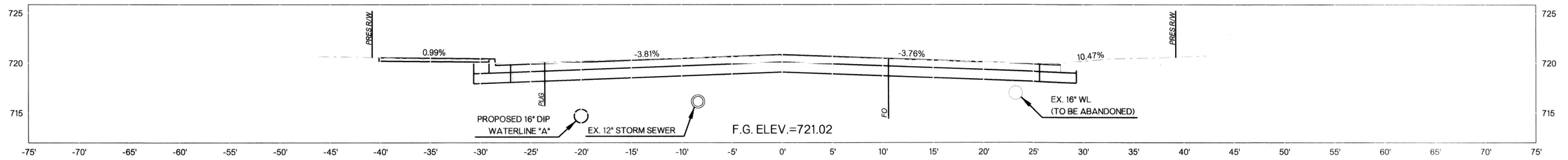
4/3/2025

CROSS SECTION

PROJECT NO. 2036D0001Z & 2036D0006Z SHEET NO. XS02



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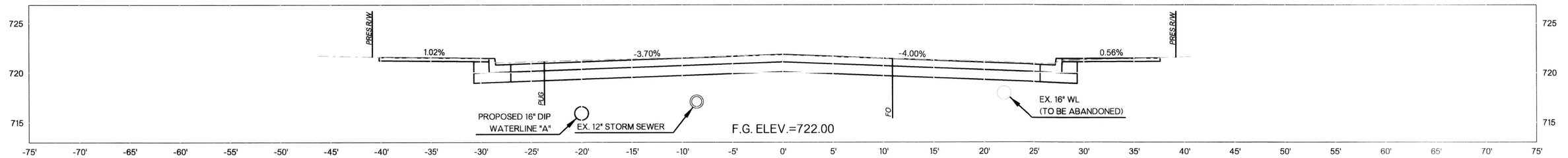

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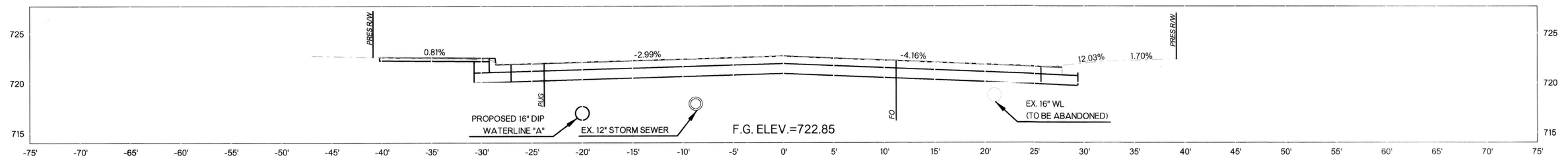

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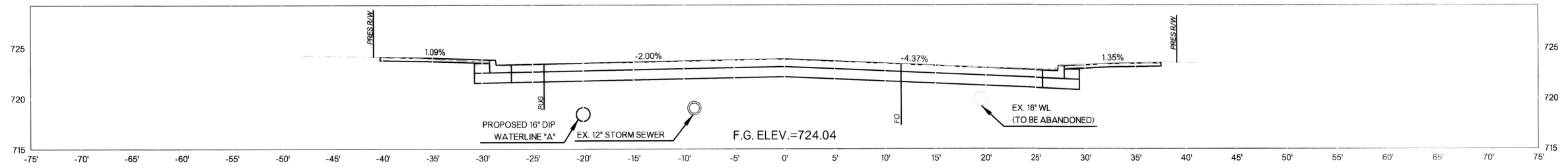

16+50.00

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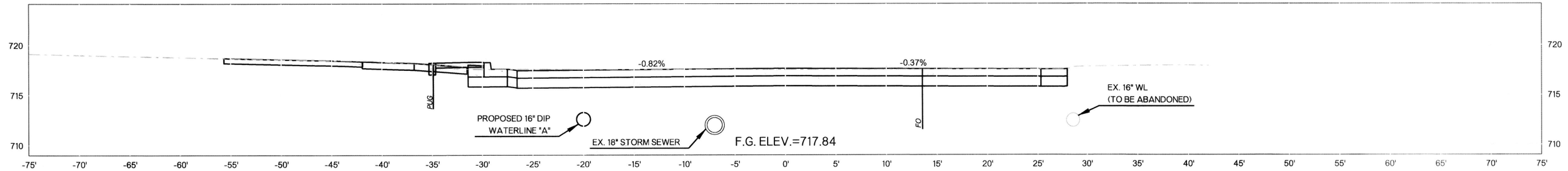
CROSS SECTION

PROJECT NO. 2036D0001Z & 2036D0006Z SHEET NO. XS03



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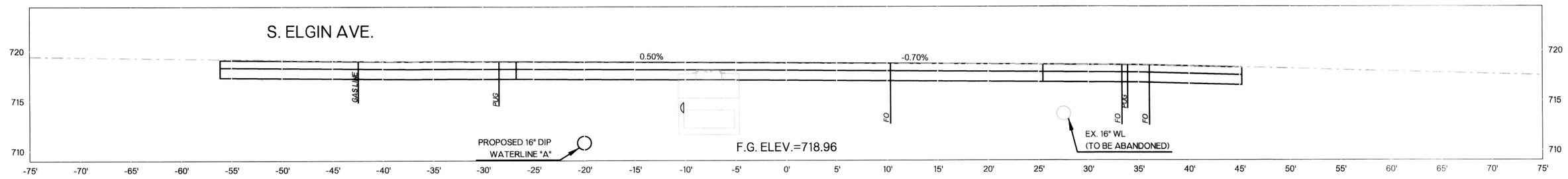

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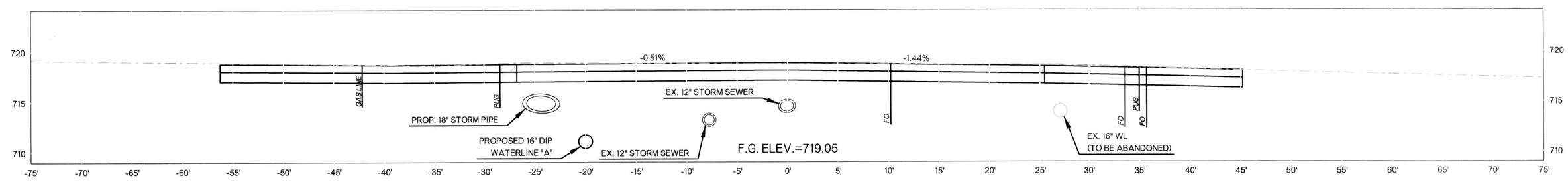

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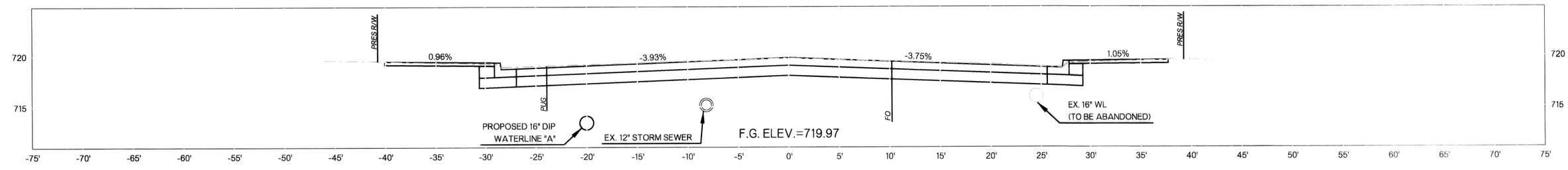

17+50.00

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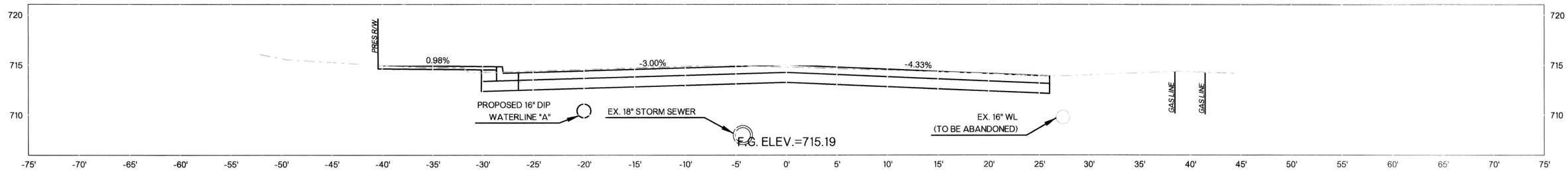
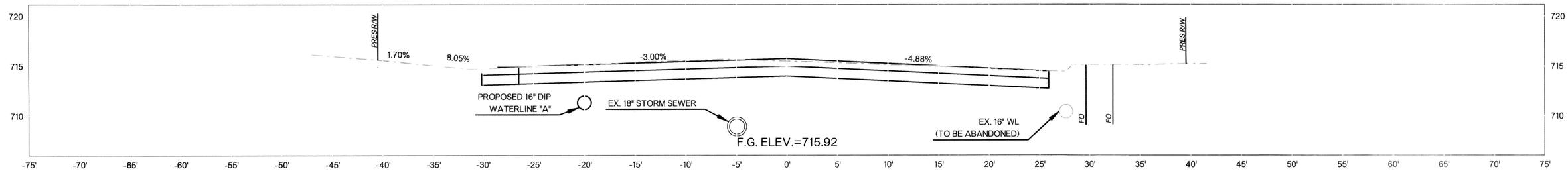
CROSS SECTION

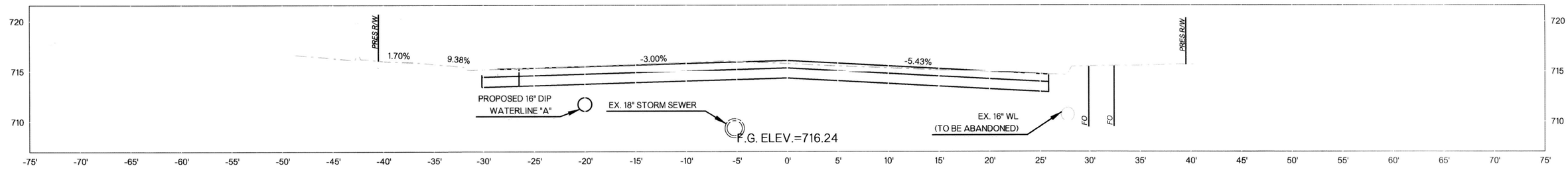
2036D0001Z &
PROJECT NO. 2036D0006Z SHEET NO. XS04



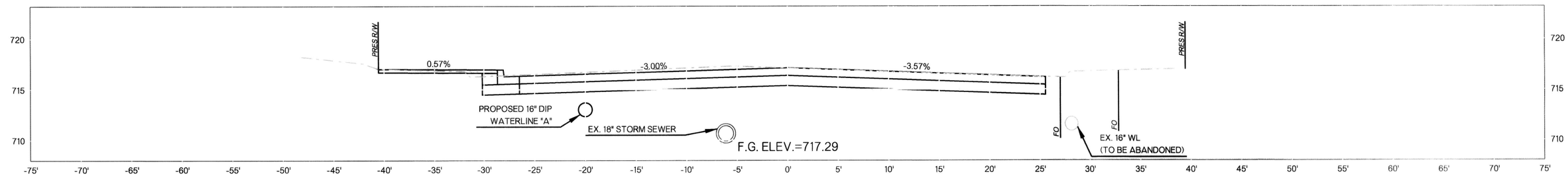
20+00.00



19+65.03



19+50.00



19+00.00

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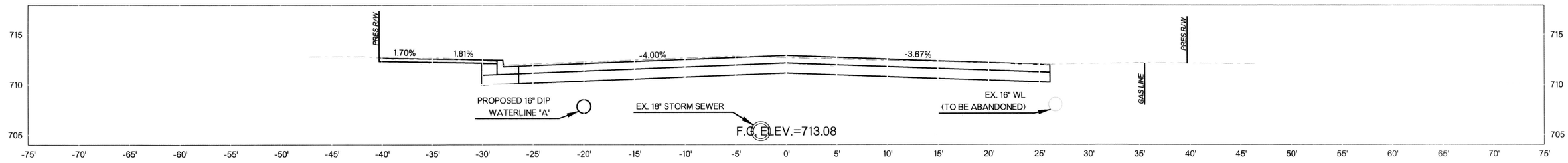
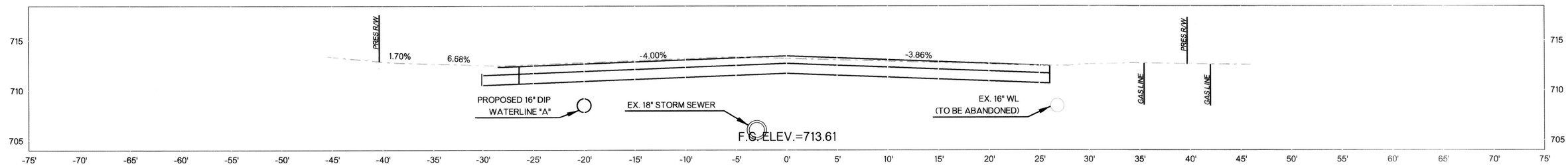
CROSS SECTION

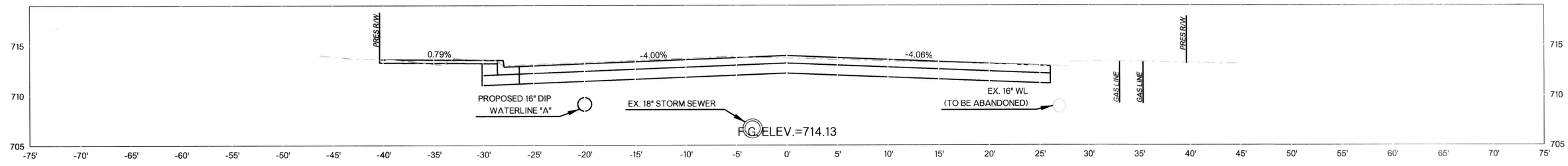
PROJECT NO. 2036D0001Z & 2036D0006Z SHEET NO. XS05



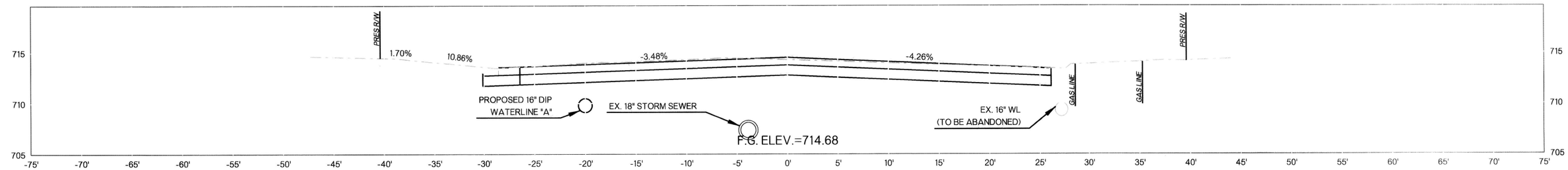
21+00.00



20+75.05



20+50.00



20+24.08

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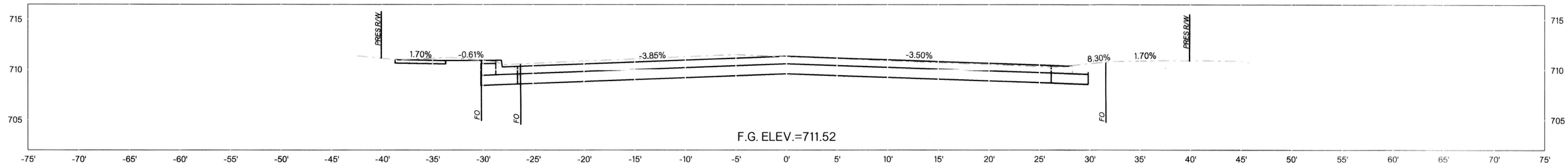
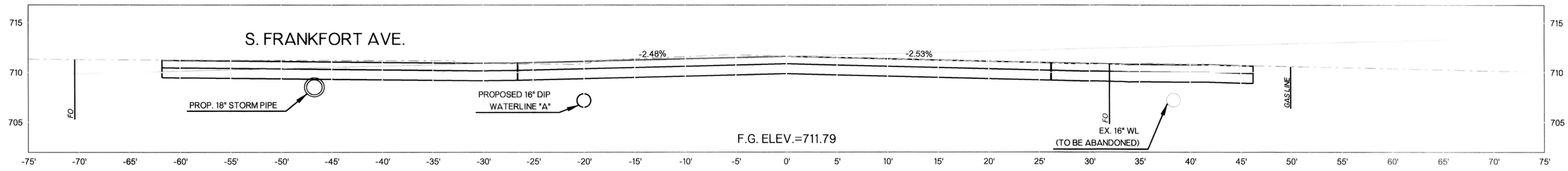
CROSS SECTION

PROJECT NO. 2036D0001Z & 2036D0006Z SHEET NO. XS06



22+50.00



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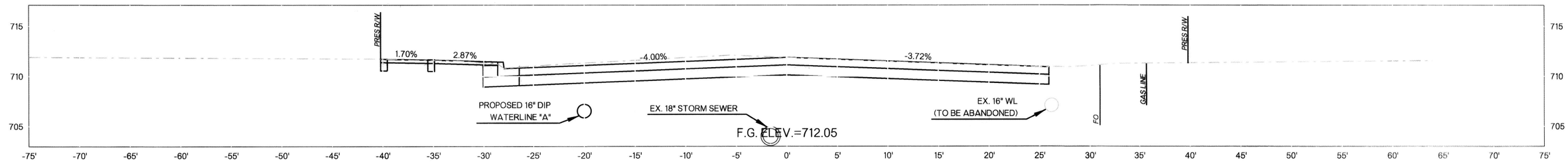
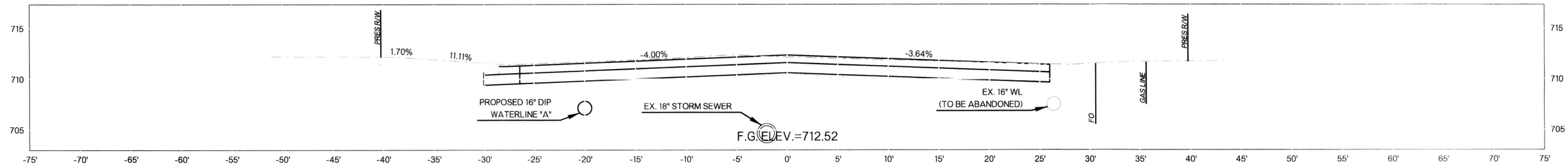


21+50.00



21+26.64

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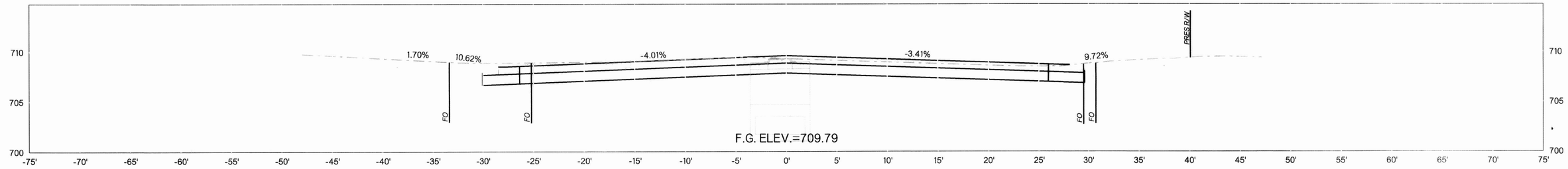
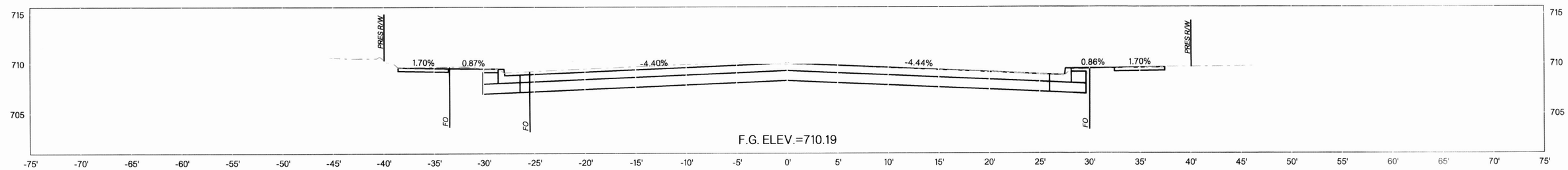
CROSS SECTION

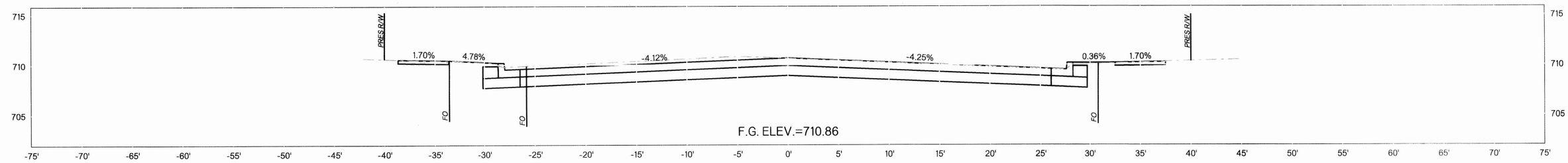
PROJECT NO. 2036D0001Z & 2036D0006Z SHEET NO. XS07



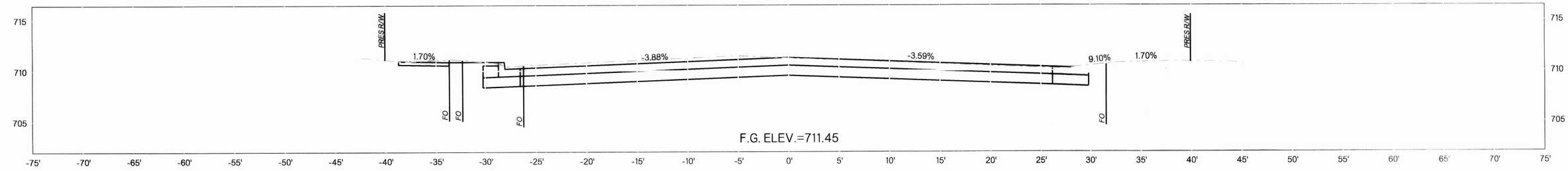
23+80.66



23+50.00



23+00.00



22+55.75

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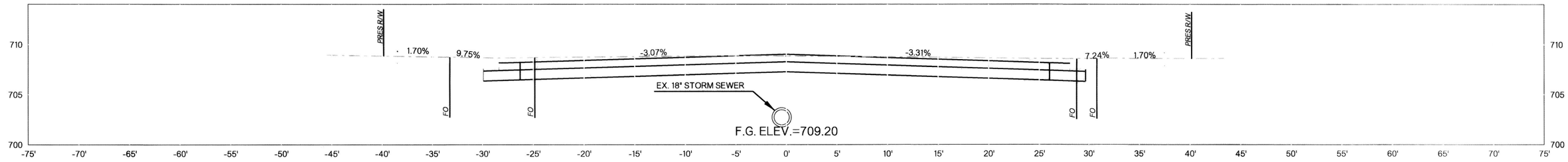
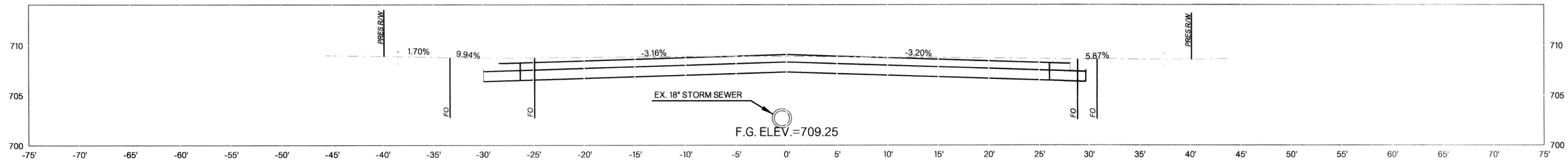
CROSS SECTION

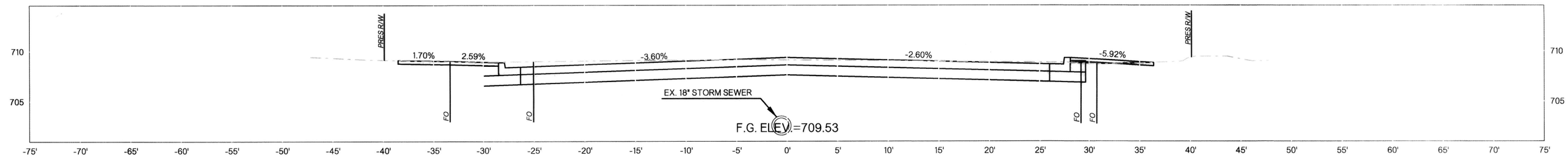
PROJECT NO. 2036D0001Z & 2036D0006Z SHEET NO. XS08



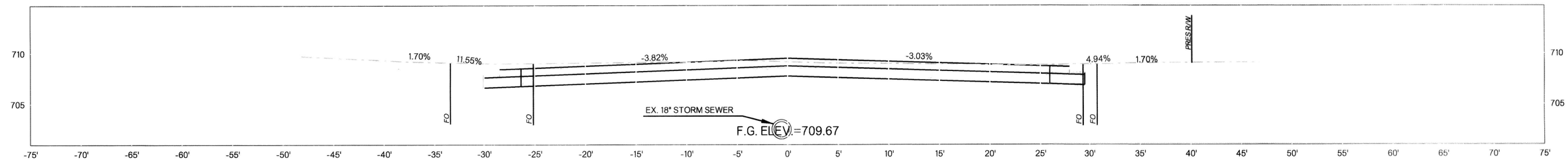
24+24.85



24+20.91



24+00.00



23+89.60

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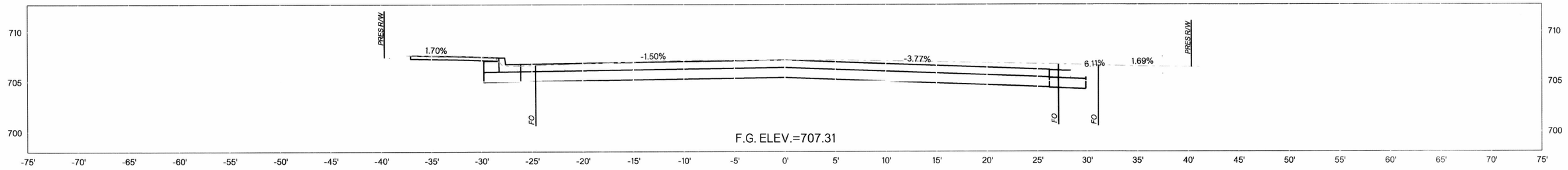
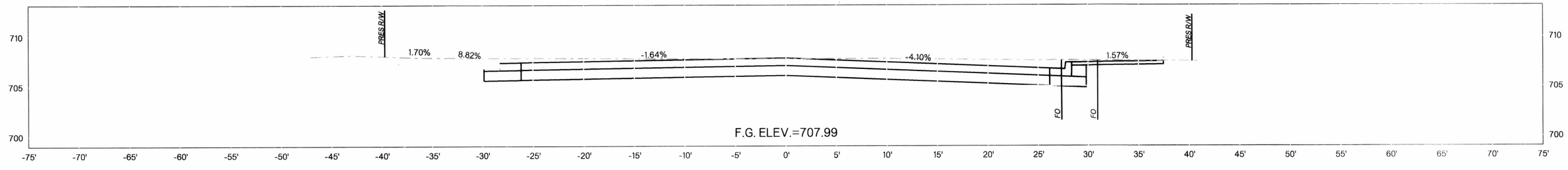
CROSS SECTION

PROJECT NO. 2036D0001Z & 2036D0006Z SHEET NO. XS09



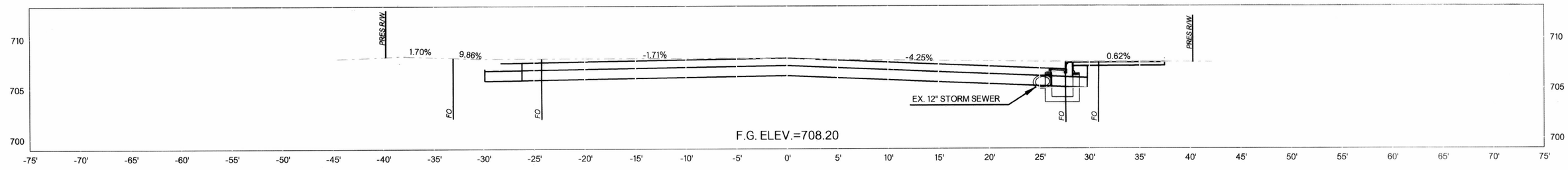
F.G. ELEV.=707.31

25+50.00



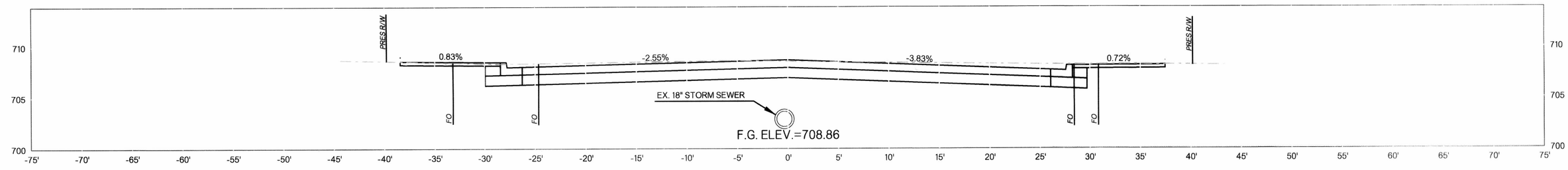
F.G. ELEV.=707.99

25+16.03



F.G. ELEV.=708.20

25+00.00



F.G. ELEV.=708.86

24+50.00

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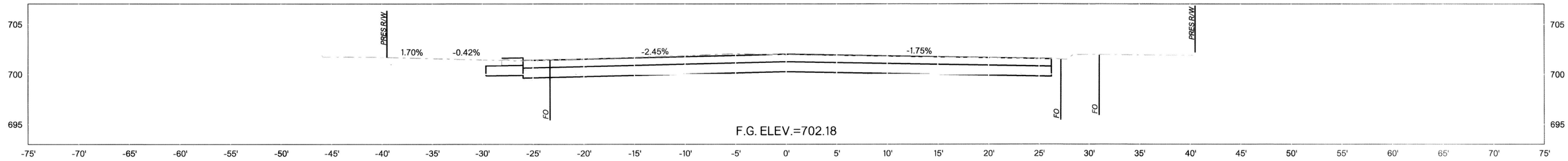
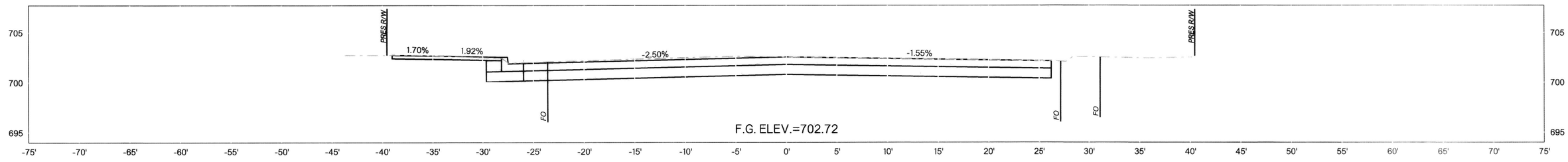
CROSS SECTION

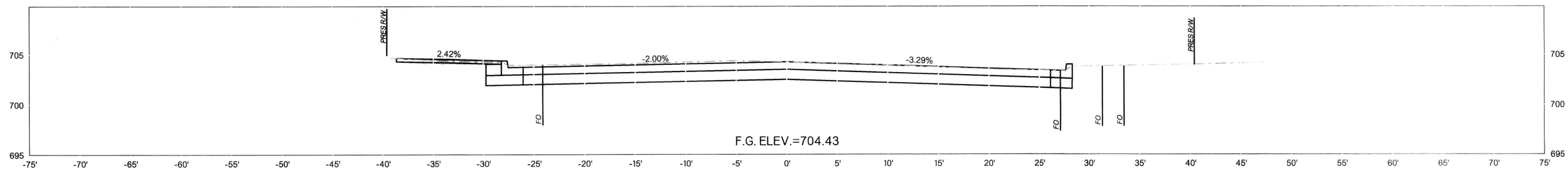
2036D0001Z &
PROJECT NO. 2036D0006Z SHEET NO. XS10



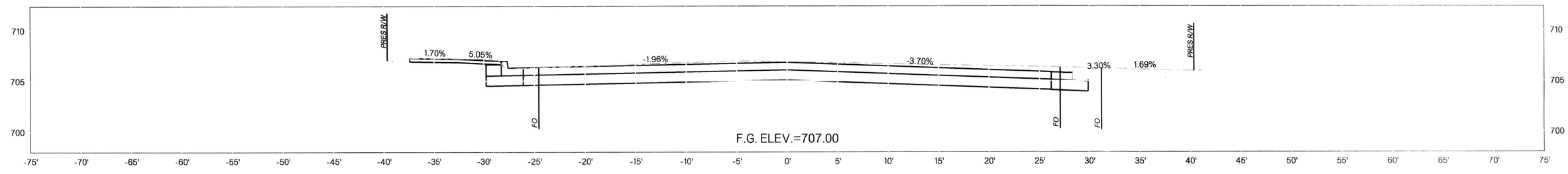
26+74.19



26+50.00



26+00.00



25+57.59

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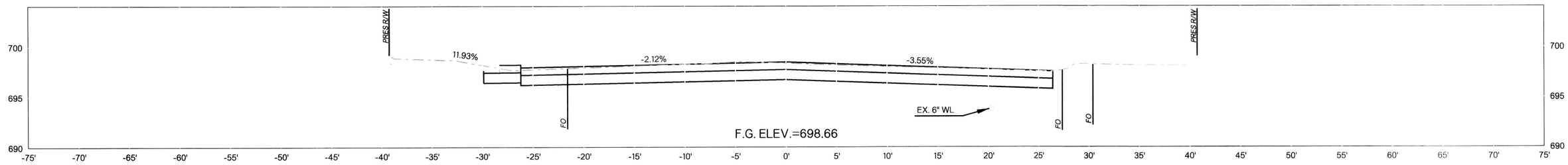
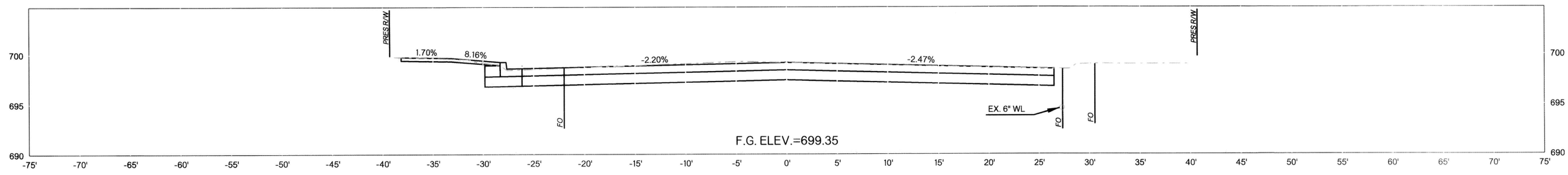
CROSS SECTION

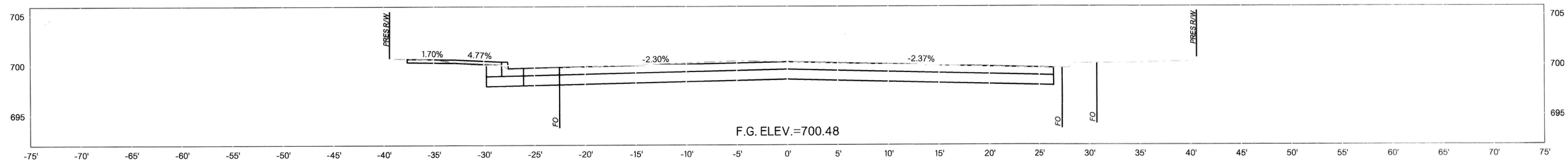
PROJECT NO. 2036D0001Z & 2036D0006Z SHEET NO. XS11



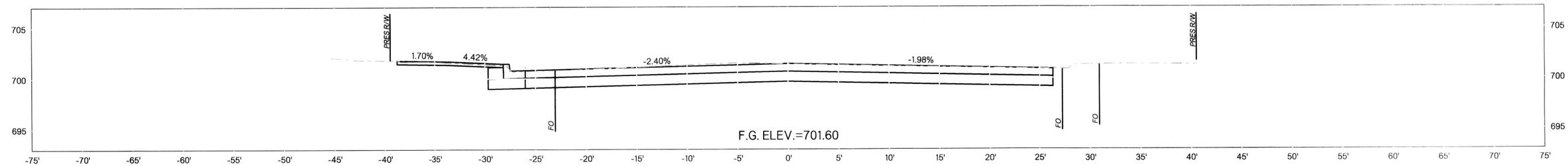
28+36.76



28+00.00



27+50.00



27+00.00

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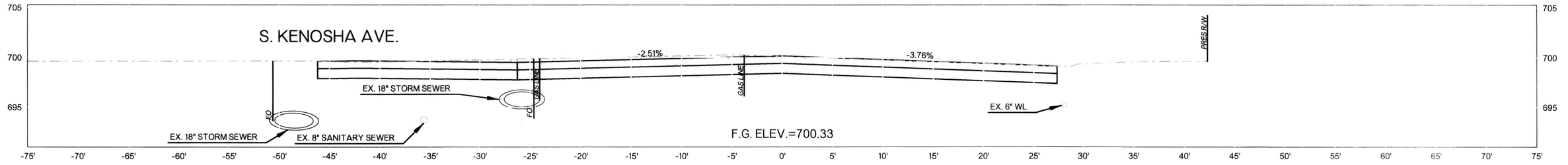
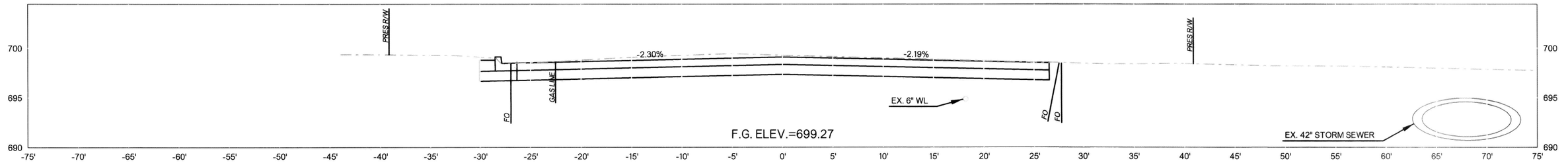
CROSS SECTION

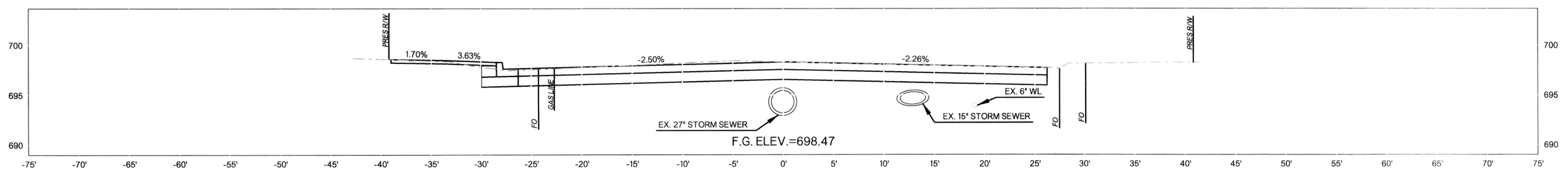
PROJECT NO. 2036D0001Z & 2036D0006Z SHEET NO. XS12



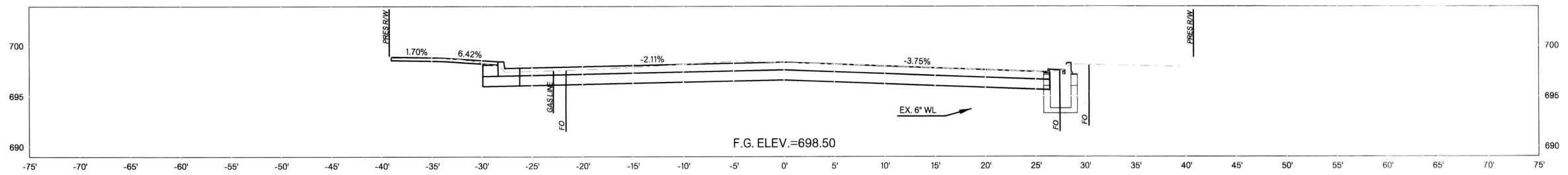
29+99.97



29+50.00



29+00.00



28+50.00

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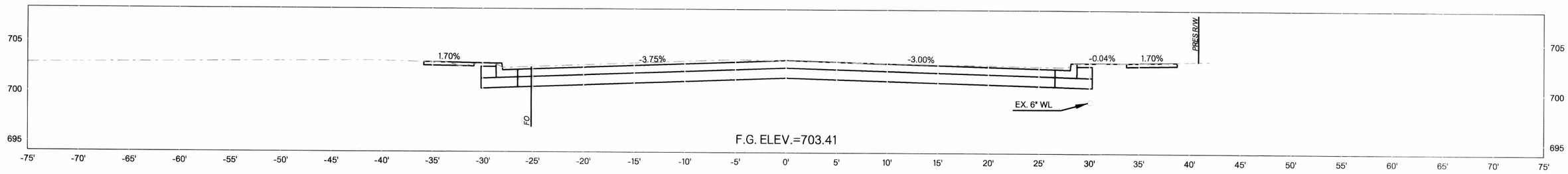
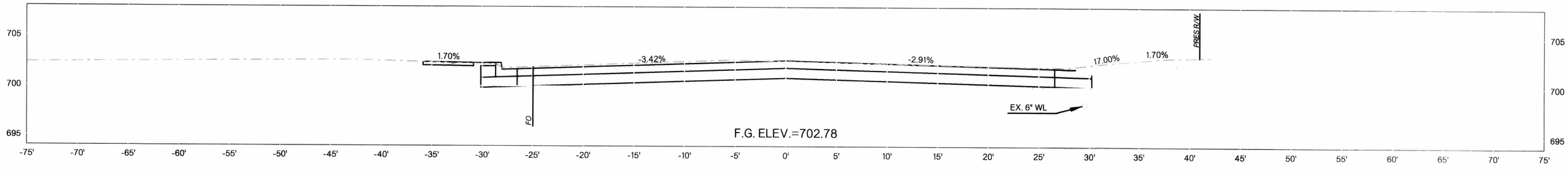
CROSS SECTION

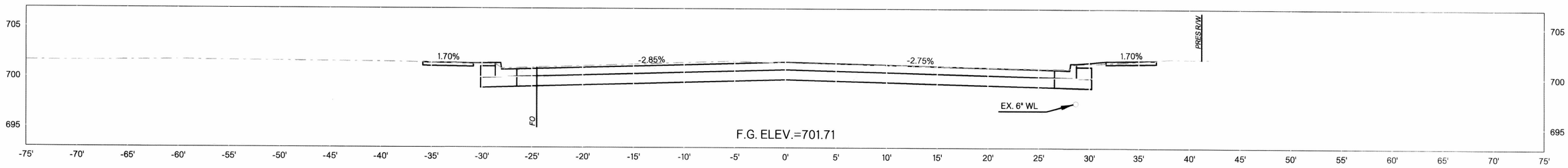
PROJECT NO. 2036D0001Z & 2036D0006Z SHEET NO. XS13



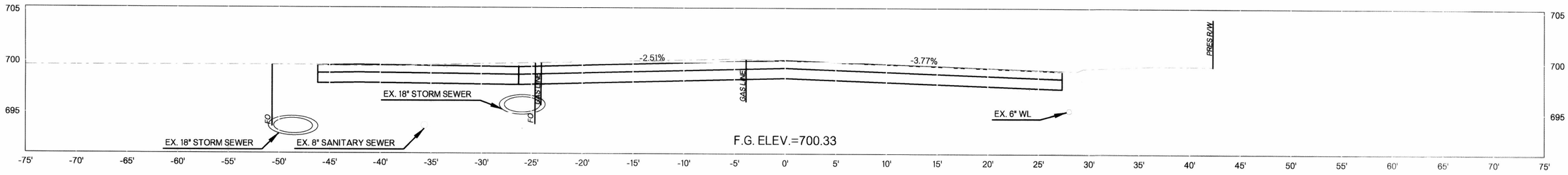
31+00.00



30+81.39



30+50.00



30+00.00

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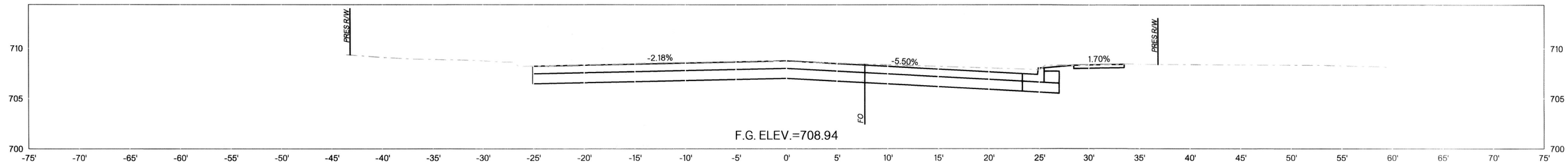
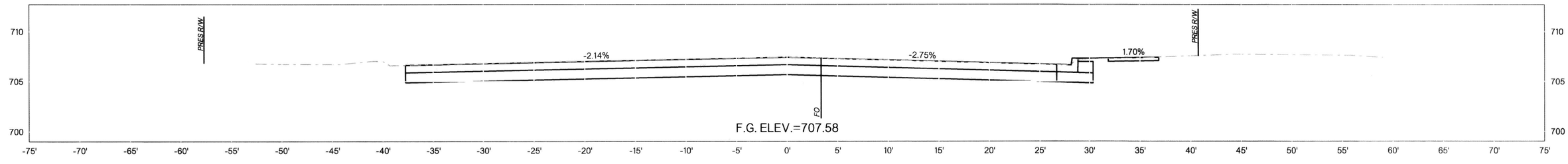
CROSS SECTION

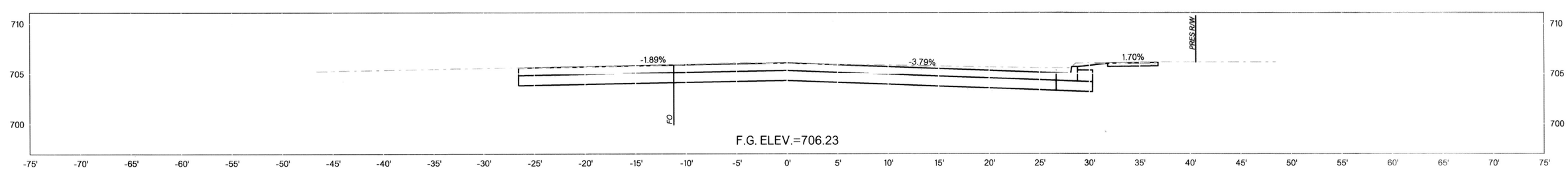
PROJECT NO. 2036D0001Z & 2036D0006Z SHEET NO. XS14



33+00.00



32+50.00



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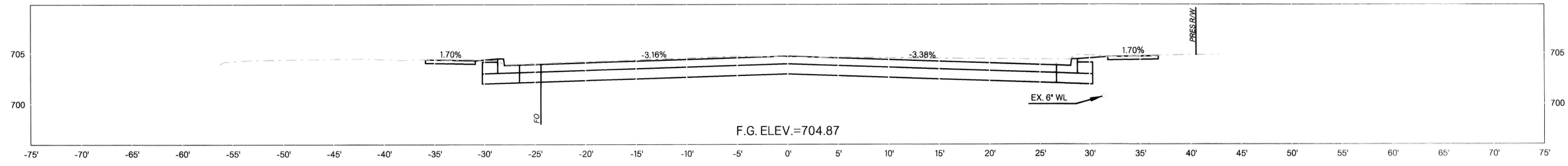

31+50.00

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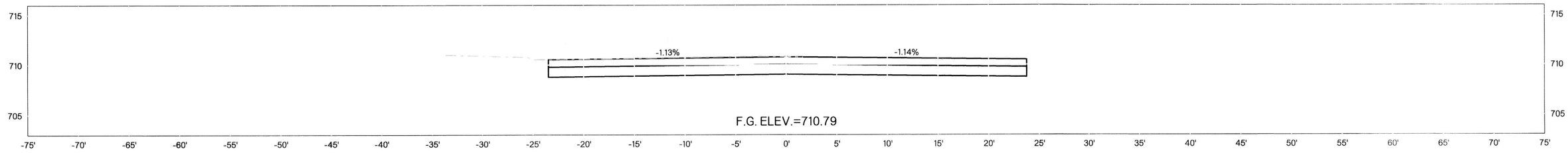
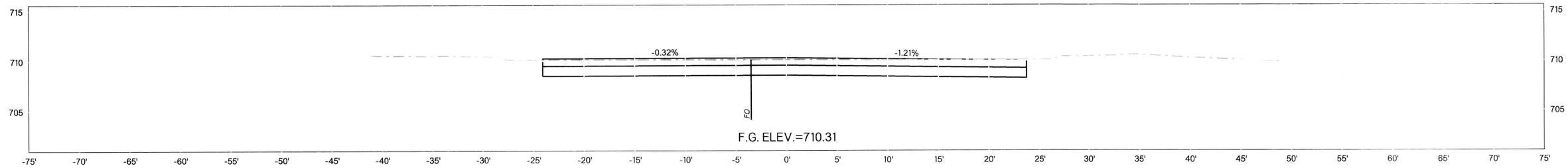
CROSS SECTION

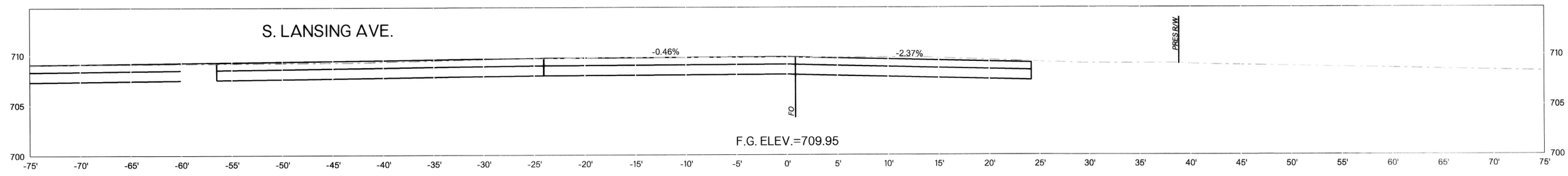
PROJECT NO. 2036D0001Z & 2036D0006Z SHEET NO. XS15



34+20.32
END OF 4TH ST. RECONSTRUCTION



34+00.00



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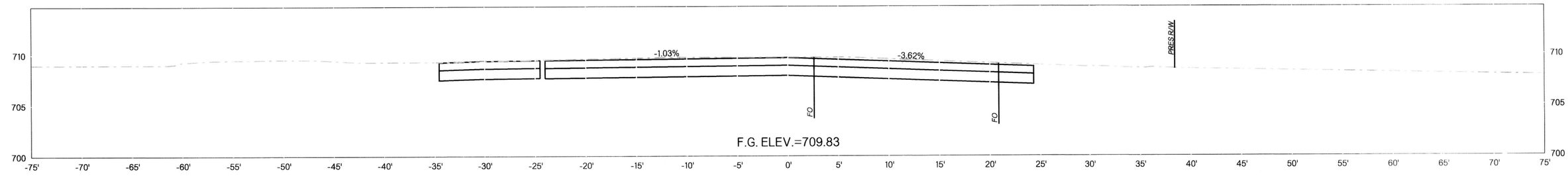

33+50.00

CROSS SECTION
2036D0001Z & 2036D0006Z
PROJECT NO. SHEET NO. XS16

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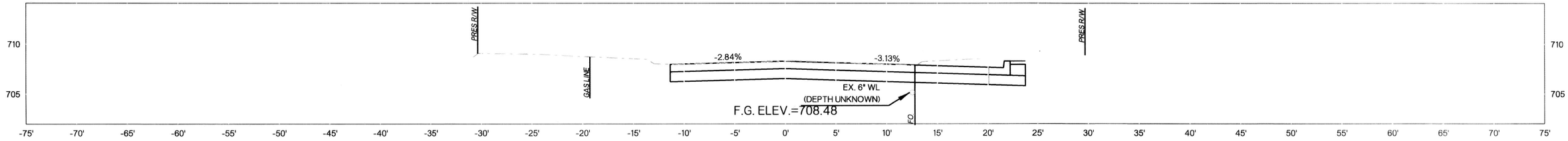
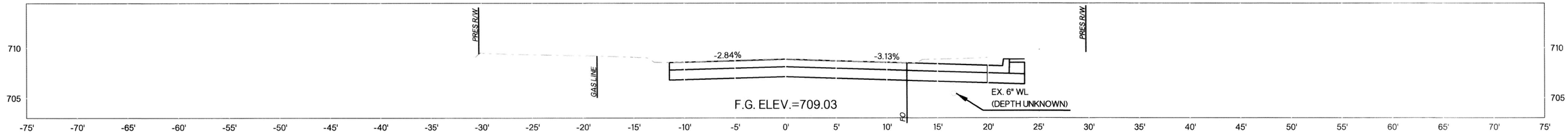


41+50.00



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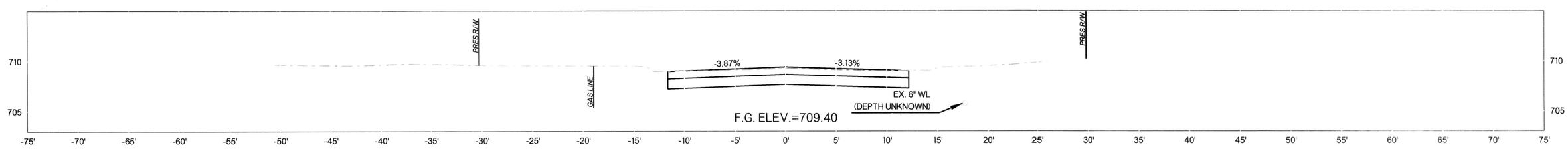
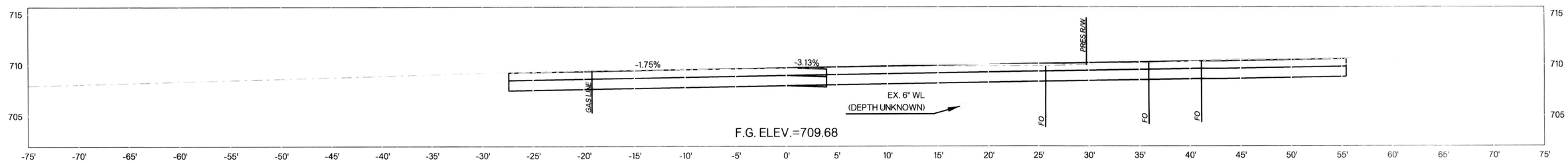


40+50.00



40+24.04

BEGIN LANSING AVE. RECONSTRUCTION

CROSS SECTION

2036D0001Z &
PROJECT NO. 2036D0006Z SHEET NO. XS17

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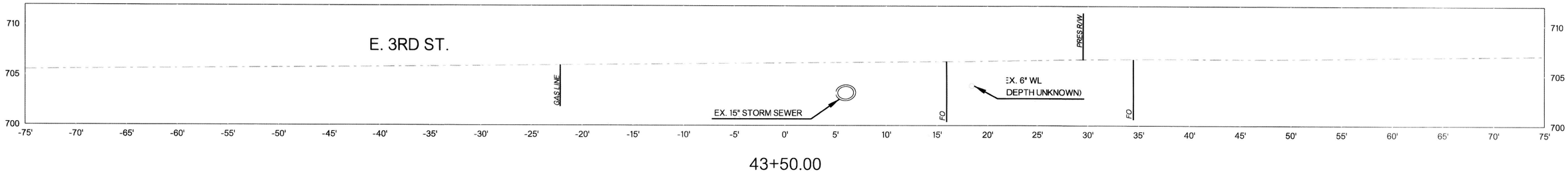
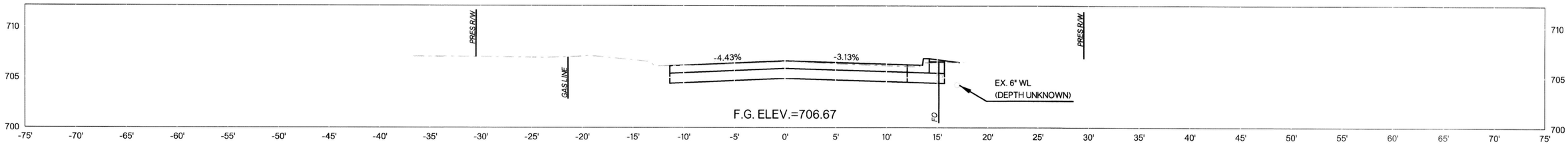


43+50.00



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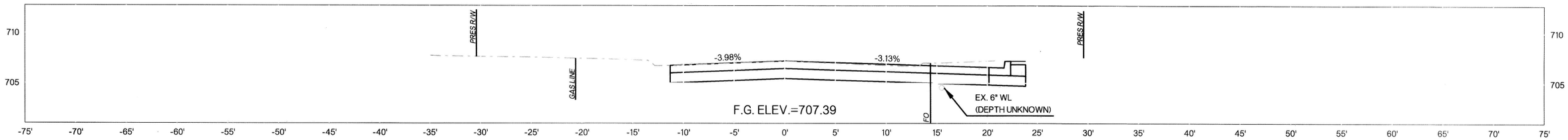
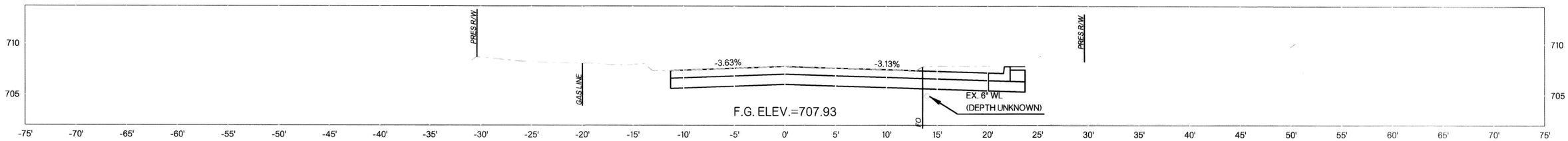


42+50.00



42+00.00

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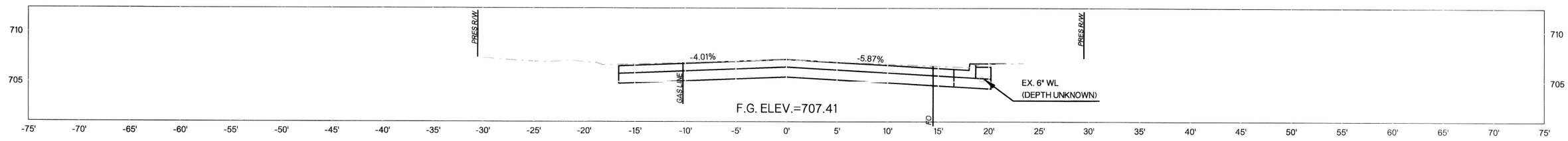
CROSS SECTION

2036D0001Z &
PROJECT NO. 2036D0006Z SHEET NO. XS18



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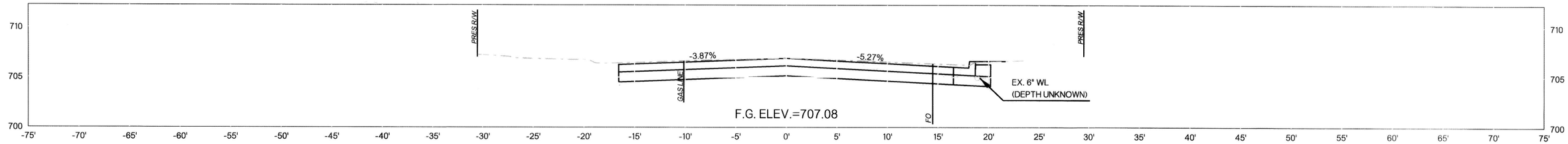

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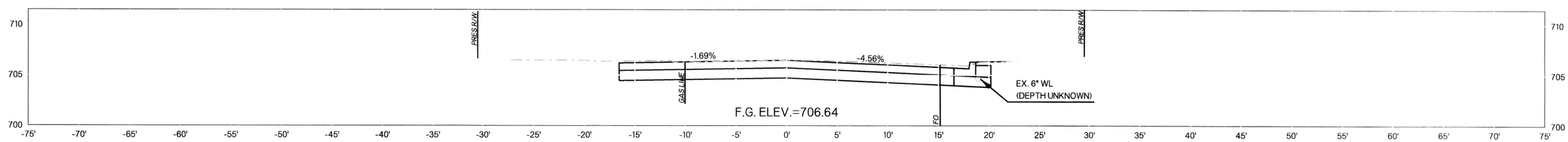
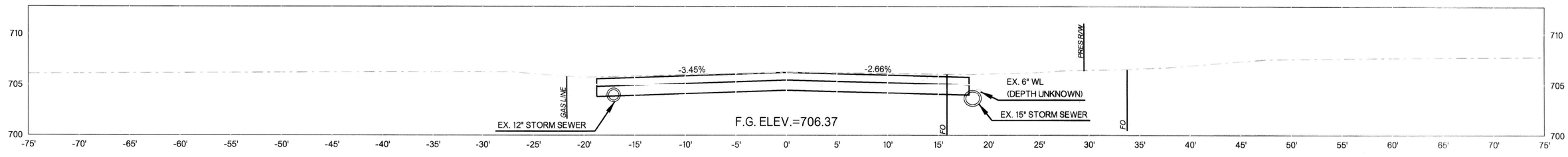


44+50.00



44+00.00

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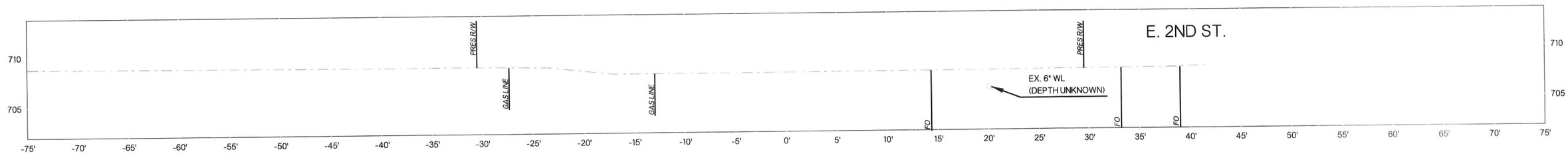
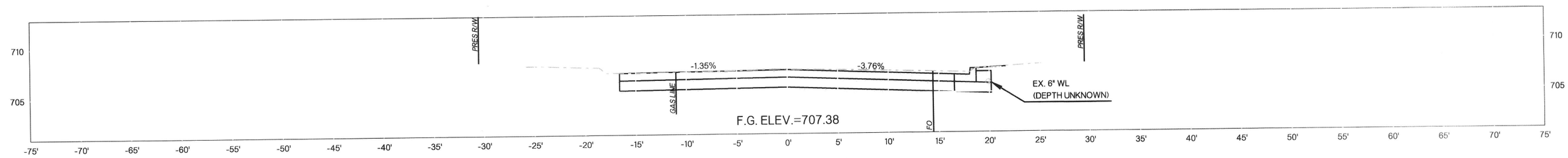
CROSS SECTION

PROJECT NO. 2036D0001Z & 2036D0006Z SHEET NO. XS19

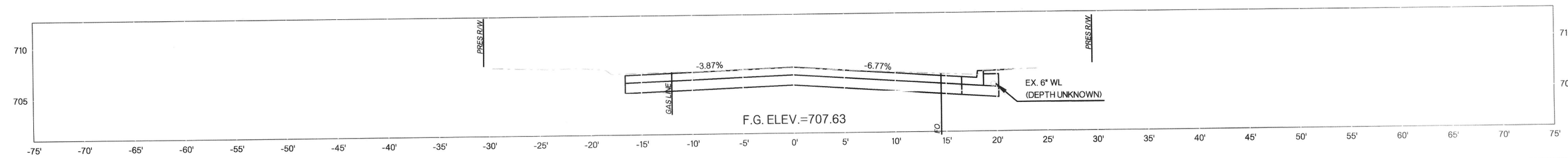


46+89.93

END LANSING AVE. RECONSTRUCTION



46+50.00



46+00.00

CROSS SECTION

PROJECT NO. 2036D0001Z & 2036D0006Z SHEET NO. XS20

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