

SURVEY CONTROL DATA

1. HORIZONTAL DATUM IS TIED TO CITY OF TULSA SURVEY CONTROL MONUMENT # 503 WHICH IS ADJUSTED TO THE OKLAHOMA STATE PLANE NAD 83 (1993) COORDINATE SYSTEM, NORTH ZONE, PER MONUMENT #503 DATA SHEET.
2. BEARINGS:
- THE BEARINGS SHOWN HEREIN OR HEREON ARE GRID BEARINGS DERIVED FROM THE USC & GS OKLAHOMA PLANE COORDINATE SYSTEM AND ARE NOT ASTRONOMICAL.
3. VERTICAL CONTROLS:
- A. LEVEL DATUM IS NGS, NAVD 88, PER CITY OF TULSA SURVEY CONTROL MONUMENT # 503 AND ADJUSTED FROM PRIMARY CONTROL UTILIZING DIFFERENTIAL LEVELING TECHNIQUES.
- B. ACCURACY - 3RD ORDER OR BETTER
- TULSA BENCHMARK FROM CITY OF TULSA CONTROL DATA PREPARED BY AERIAL DATA SERVICE.

STATION NO. 503 RESET, JULY 1992
TYPE: 5/8" REBAR-1 1/2" ALUMINUM CAP
N: 418940.668
E: 2576549.927
ELEV: 790.326'
LAT: 36°07'59.39325" N
LONG: 95°56'26.65820" W

LEGEND

- PROPOSED ROADS
SECTION LINES
QUARTER SECTION LINES
FENCES (EXISTING)
EXISTING GRADE
EXISTING ROADS
EXISTING INDEX CONTOURS
EXISTING INTERMEDIATE CONTOURS
BASE LINE
PROPOSED GRADE
COMMUNICATION LINES (EXISTING)
POWER LINES (EXISTING)
GAS LINE (EXISTING)
SANITARY SEWER LINES (EXISTING)
WATER LINES (EXISTING)
COMMUNICATION LINES (PROPOSED)
POWER LINES (PROPOSED)
GAS LINE (PROPOSED)
SANITARY SEWER LINES (PROPOSED)
WATER LINES (PROPOSED)
BUILDINGS (EXISTING)
DRAINAGE STRUCTURES (EXISTING)
DRAINAGE STRUCTURES (PROPOSED)
RIGHT-OF-WAY LINES (EXISTING)
RIGHT-OF-WAY LINES (PROPOSED)
RIGHT-OF-WAY FENCE
FLOWLINE (EXISTING)
FLOWLINE (PROPOSED)
TOE OF SLOPE (EXISTING)

UTILITY COORDINATION

	NUMBER			
COX COMMUNICATIONS	(918) 286-4633	JASON HOLT		
AEP/PSO	(918) 250-6211	LONNY HICKS		
OKLAHOMA NATURAL GAS CO.	(918) 831-8387	TIM HELBIG		
AT&T DISTRIBUTION	(918) 527-7309	WAYNE GROOM		
AT&T TRANSMISSION	(580) 931-7688	KEVIN WINGARD		
CITY OF TULSA UTILITY COORDINATOR	(918) 596-9245	TONY GLYNN		

NOTE:
THIS PROJECT COMPLIES WITH ALL OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY (ODEQ) REQUIREMENTS. ENTIRE PROJECT IS WITHIN CORPORATE LIMITS OF CITY OF TULSA. CURRENT CITY OF TULSA STANDARD SPECIFICATIONS AND STANDARD DETAILS GOVERN. ALL OTHER CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE 2019 OKLAHOMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AS ADOPTED BY CITY OF TULSA.

PLANS FOR:
NON-ARTERIAL STREET REHABILITATION
AND WATER LINE REPLACEMENT
MAINTENANCE ZONE 4021
PUBLIC WORKS DEPARTMENT
CITY OF TULSA, OKLAHOMA
ACCOUNT NO.
2036N4021Z.STREETS.NARTRHB.4281.42813122-541106
PROJECT NO. 2036N4021Z
TMUA-W 20-15

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SEE SHEET 3 FOR LIST OF CITY OF
TULSA AND ODOT STANDARDS

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 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.

VICINITY MAP

1" = 2 MILES
RECONSTRUCTION = 0.36 LANE MILES
REHABILITATION = 2.80 LANE MILES

CEC CORPORATION
1300 S. Main Street
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C.A. #32 EXPIRES 06/30/26



DIRECTOR, WATER & SEWER

1/21/26
DATE

DIRECTOR, PUBLIC WORKS

1/21/26
DATE

ADVERTISEMENT DATE:

01.30.26

ENGINEER'S CERTIFICATION:

JACOB CAMPBELL, P.E. NO. 34190

7/29/25
DATE

PLOT DATE: December 12, 2025, DRAWING FILE: N:\TULSA\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021\OT2\PRODUCTION DRAWINGS\PAY ITEMS & NOTES (ROADWAY).DWG

BASE BID-ROADWAY					
ITEM NO.	SPEC. NO.	DESCRIPTION	PAY ITEM NOTES	UNIT	QUANTITY
1	201(A)	CLEARING AND GRUBBING	E-1, 2	AC	4
2	202(A)	UNCLASSIFIED EXCAVATION	E-3, 4, R-1	CY	2,630
3	220	SWPPP DOCUMENTATION AND MANAGEMENT	E-6	LS	1
4	221(D)	TEMPORARY SEDIMENT FILTER	E-7, 8, 9	EA	45
5	230(A)	SOLID SLAB SODDING	E-10, 11	SY	2,236
6	303(A)	AGGREGATE BASE TYPE A	S-1, 2	CY	2,646
7	310(B)	SUBGRADE METHOD B	-	SY	8,510
8	325	SEPARATOR FABRIC	S-3	SY	12,863
9	409(A)	FABRIC REINFORCEMENT	S-4, 100	SY	21,453
10	411(B)	SUPERPAVE, TYPE S3 (PG 64-22 OK)	S-5, 6, 7, 8	TON	57
11	411(C)	SUPERPAVE, TYPE S4 (PG 64-22 OK)	S-5, 6, 7, 8, 23	TON	2,441
12	411(E)	SUPERPAVE, TYPE S6 (PG 64-22 OK)	S-5, 6, 7, 8, G-1	TON	313
13	412	COLD MILL PAVEMENT	S-9, 22	SY	16,103
14	414(A)	P.C. CONCRETE PAVEMENT (PLACEMENT)	S-10, 11	SY	2,881
15	414(G)	P.C. CONCRETE FOR PAVEMENT	S-10, 11, 12, 13	CY	564
16	609(A)	CONCRETE CURB (6" BARRIER-INTEGRAL)	S-15	LF	1,453
17	609(B)	COMBINED CURB AND GUTTER (6" BARRIER)	S-10, 12, 13, 15, 16, 101	LF	1,785
18	610(A)	4" CONCRETE SIDEWALK	S-12, 13, 16, 17	SY	1,314
19	610(A)	4" STAMPED CONCRETE SIDEWALK	S-12, 13, 17, 18	SY	20
20	610(B)	CONCRETE DRIVEWAY (6" H.E.S.)	S-12, 13, 16, 17	SY	1,267
21	610(I)	TACTILE WARNING DEVICE	-	SF	139
22	611(G)	INLET CICI DES. 2, COMPLETE IN PLACE	D-2, 3, 7, 8, 9, 10, 11	EA	7
23	611(G)	INLET CICI DES. 2 W/AMH, COMPLETE IN PLACE	D-1, 2, 3, 7, 8, 9, 10, 11	EA	1
24	611(H)	ADDITIONAL DEPTH IN INLET CICI DES. 2	D-10	VF	3
25	611(H)	ADDITIONAL DEPTH IN INLET CICI DES. 2 W/ AMH	D-10	VF	1
26	611(O)	REPLACEMENT OF FRAME	G-1, D-100	EA	1
27	611(P)	REPLACEMENT OF COVER/GRATE	D-101	EA	1
28	418	MANHOLE ADJUSTED TO GRADE (PUBLIC)	S-12, R-2, D-1, 2, 6	EA	23
29	612(E)	VALVE BOX ADJUSTED TO GRADE	S-12, R-2, D-6	EA	10
30	612(F)	METER BOX ADJUSTED TO GRADE	S-12, R-2, D-6	EA	14
31	613(A)	12" REINFORCED CONCRETE PIPE, COMPLETE IN PLACE	D-8, 12, 13	LF	15
32	613(A)	15" REINFORCED CONCRETE PIPE, COMPLETE IN PLACE	D-8, 12, 13	LF	15
33	613(A)	24" REINFORCED CONCRETE PIPE, COMPLETE IN PLACE	D-8, 12, 13	LF	30
34	613(A)	30" REINFORCED CONCRETE PIPE, COMPLETE IN PLACE	D-8, 12, 13	LF	3
35	619(A)	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	R-1, 2, 3, 4, 5	LSUM	1
36	619(B)	REMOVAL OF APC PAVEMENT	R-1, 2, 5, 6	SY	1,334
37	619(B)	REMOVAL OF CONCRETE PAVEMENT	R-1, 2, 5, 6	SY	1,679
38	619(B)	REMOVAL OF DRIVEWAY	R-1, 2, 5, 6	SY	1,183
39	619(B)	REMOVAL OF SIDEWALK	R-1, 2, 5, 6	SY	1,438
40	619(B)	REMOVAL OF CURB AND GUTTER	R-1, 2, 5, 6	LF	3,443
41	641	MOBILIZATION	G-2	EA	1
42	642	CONSTRUCTION STAKING LEVEL II	G-3, 4	EA	1
43	805(D)	(PL) REMOVE AND RESET GROUND MOUNTED SIGNS	-	EA	4
44	855(A)	TRAFFIC STRIPE (PLASTIC) (4" WIDE)	T-3	LF	2,372
45	855(A)	TRAFFIC STRIPE (PLASTIC) (24" WIDE)	T-3	LF	275
46	855(B)	TRAFFIC STRIPE (PLASTIC) (ARROWS)	T-3	EA	8
47	857	(PL) CONST. ZONE PAVEMENT MARKERS (FLEX TAB) TYPE 2-2	G-1	EA	200
48	857(C)	REMOVABLE PAVEMENT MARKING TAPE	G-1	LF	1,200
49	880(B)	CONSTRUCTION SIGNS 0 TO 6.25 SF	T-2, 4, 5	SD	10,000
50	880(B)	CONSTRUCTION SIGNS 6.26 TO 15.99 SF	T-2, 4, 5	SD	10,000
51	880(B)	CONSTRUCTION SIGNS 16 TO 32 SF	T-2, 4, 5	SD	10,000
52	880(C)	BARRICADES (TYPE III)	T-2, 4, 5	SD	8,000
53	880(E)	TYPE "A" WARNING LIGHT	T-5	SD	46,000
54	880(E)	TYPE "C" WARNING LIGHT	T-5	SD	40,000
55	880(F)	DRUMS	T-2, 4, 5	SD	20,000
56	880(G)	TUBE CHANNELIZERS	T-2, 4	SD	20,000
57	COT 608	GROUND SIGN	-	SF	483
58	COT 608	1 - 1/2" SIGN POST	-	LF	29
59	COT 608	1 - 3/4" SIGN POST	-	LF	693
60	COT 608	2" SIGN POST	-	LF	198
61	SPECIAL	PROJECT SIGN (CITY OF TULSA)	T-7	EA	2
62	SPECIAL	CURB RAMP	-	EA	9
63	SPECIAL	TYPE 1 PCC PATCH	S-21, G-1	CY	526
64	SPECIAL	ADJUST WATER VAULT TO GRADE	-	EA	2
65	SPECIAL	ADJUST PULL BOX TO GRADE	-	EA	1
66	SPECIAL	REMOVE TREE 13"-18"	-	EA	1
67	SPECIAL	REMOVE TREE 37"-42"	-	EA	1
68	SPECIAL	URBAN RIGHT OF WAY RESTORATION	G-5, 6, 7, 8, 9, 10	EA	1
69	SPECIAL	OWNER ALLOWANCE	-	EA	25,000
70	COT 202	QUICK SET FLOWABLE FILL	G-1, D-8	CY	1,452
71	COT 334	CONSTRUCTION AS-BUILT	-	LSUM	1
72	COT 335	CONTRACTOR'S QUALITY CONTROL	-	LSUM	1

GENERAL NOTE

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 (ROADWAY) (VERSION 11/14/18)

EARTHWORK/ EROSION CONTROL/ SITE PREPARATION

- E-1: ALL COSTS FOR REMOVING TREES, SHRUBS, STUMPS, POSTS, AND ALL OTHER DEBRIS AND/OR OBSTRUCTIONS NOT COVERED BY A SEPARATE PAY ITEM ARE INCLUDED IN THE PRICE BID.
- E-2: ALL EXISTING DRAINAGE STRUCTURES SHALL BE CLEANED AND CLEARED OF ALL SEDIMENTATION AND DEBRIS TO THE RIGHT OF WAY. COST OF CLEARING SHALL BE INCLUDED IN THE PRICE BID.
- 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 BID FOR THIS ITEM.
- 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 45 TEMPORARY TYPE B SEDIMENT 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.

SURFACING/STRUCTURES

- 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: FABRIC REINFORCEMENT SHALL BE USED ON OVERLAY AREAS. THE COST OF BITUMINOUS BINDER FOR FABRIC REINFORCEMENT SHALL BE INCLUDED IN THE UNIT COST OF THIS PAY ITEM. THE BITUMINOUS BINDER SHALL MEET ODOT STANDARD SPECIFICATIONS AND THE RECOMMENDATIONS OF THE FABRIC REINFORCEMENT MANUFACTURER.
- S-5: THE COST OF TACK COAT, EDGE JOINT SEAL MATERIAL AND SCREENINGS FOR BLOTING, AND ALL LABOR ASSOCIATED WITH THESE ITEMS, SHALL BE INCLUDED IN ASPHALT CONCRETE.
- S-6: ESTIMATED AT 112 LBS PER SQ YD PER 1 INCH THICK.
- S-7: ODOT PAY FACTOR FOR AVERAGE LOT DENSITY SHALL NOT BE USED FOR THIS PROJECT. FAILURE TO REACH AVERAGE LOT DENSITY OF 92%-97% WILL RESULT IN REJECTION OF WORK.
- S-8: A HIGHER GRADE OF ASPHALT BINDER THAN IS INDICATED ON THE PLANS MAY BE USED, BUT AT NO ADDITIONAL COST TO THE CITY.

S-8 (TABLE):

BINDER ¹ GRADE	MESALs	ADT ¹	NOTES
PG 64-22 OK	<3	<5,000	USE WHEN MORE THAN 4-6 INCHES BELOW THE SURFACE. ALSO USE FOR SHOULDERS, DRIVEWAYS, BELOW PCC, AND TEMPORARY CONSTRUCTION.
PG 70-28 OK	<10	<10,000	USE ONLY IN THE TOP 4-6 INCHES FOR DRIVING LANES.
PG 76-28 OK	>=10	>=10,000	USE ONLY IN THE TOP 4-6 INCHES FOR DRIVING LANES.
PG 76-28 E	-	-	CONTACT ODOT MATERIALS DIVISION FOR RECOMMENDED USE.
¹ USE ADT ONLY WHEN ESAL COMPUTATIONAL DATA IS NOT AVAILABLE. CALCULATE THE DESIGN ESALs BASED ON 20 YEARS.			
² PG 70-28 OK OR PG 76-28 OK MAY BE DESIRABLE IN HIGH VOLUME AREAS WHERE SLOW, STANDING, OR TURNING TRAFFIC OCCURS, SUCH AS URBAN INTERSECTIONS OR OFF-RAMPS. OFF RAMPS SHOULD AT LEAST USE THE SAME BINDER AS THE MAINLINE.			

PAY ITEM NOTES (ROADWAY) (CONT'D.)

SURFACING/STRUCTURES CONT.

- 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: STAMPED CONCRETE SIDEWALK SHALL BE INSTALLED WITH RUNNING BOND BRICK PATTERN. COLOR SHALL BE INTEGRAL AND MATCH HUE WITH FEDERAL STANDARD AMS-595 # 21105 (RED), OR APPROVED EQUAL. PAINTING OF STAMPED CONCRETE IS PROHIBITED AND WILL RESULT IN REJECTION OF WORK PRODUCT.
- S-19: NOT USED.
- S-20: NOT USED.
- S-21: THIS PAY ITEM INCLUDES THE FOLLOWING:
A. SAW CUTTING
B. REMOVAL OF THE EXISTING CONCRETE AND/OR ASPHALTIC CONCRETE ROADWAY (CY)
C. TYPE S3 ASPHALTIC CONCRETE OR PC CONCRETE COMPLETE AND IN PLACE PER DETAIL
D. SEALING OF EDGES AND TACK COAT

DOES NOT INCLUDE THE FOLLOWING:
A. UNCLASSIFIED EXCAVATION
B. SUBGRADE METHOD B (SY)
C. SEPARATOR FABRIC (SY)
D. AGGREGATE BASE (TYPE A)
E. ASPHALT CONCRETE LEVELING OR SURFACE COURSE
- S-22: REMOVE AC PAVEMENT ON CONCRETE DRIVEWAYS, APRONS, AND GUTTERS DURING EDGE MILLING AND COLD MILLING OPERATIONS.
- S-23: REPLACE AC PAVEMENT IN DRIVEWAY GUTTER AS NEEDED FOR POSITIVE STORMWATER DRAINAGE AND SMOOTH DRIVEWAY TRANSITIONS.
- S-100: FABRIC REINFORCEMENT SHALL BE TENSAR GP25, OR APPROVED EQUAL.
- S-101: CURB HEIGHT MAY VARY IN SOME LOCATIONS. PRICE BID TO INCLUDE CURB HEIGHTS TO MATCH EXISTING WHERE REQUIRED.



PAY ITEMS & NOTES (ROADWAY) (1 OF 2)				
PROJECT NO. 2036N4021Z				
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021				
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT				
CEC Corporation 1300 S. Main Street Tulsa, OK 74137 (918) 663-9401				
PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:
	DESIGNED	J.L.C.	7/2025	
	SURVEY	B.B.	11/2020	
	PROJ. MGR.	SWW	12/25	
PROFILE SCALES:	LEAD ENGR.	SWW	12/25	
	FIELD MGR.	SWW	12/25	
HORIZONTAL:				
VERTICAL:				
DRAWING: PAY ITEMS & NOTES (ROADWAY)	DATE			01.30.26
ATLAS PAGE NO: 3, 14	SHEET			2 OF 102

PAY ITEM NOTES (ROADWAY) (CONT'D.)

REMOVAL / ADJUSTMENT

- 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: PAY ITEM INCLUDES REMOVAL OF ALL STRUCTURES AND OBSTRUCTIONS WITHIN PROJECT LIMITS NOT SPECIFIED BY OTHER ITEMS OF WORK.
- R-4: INCLUDES SAWING NOT INCLUDED IN OTHER ITEMS OF WORK.
- 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.

GENERAL

- 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.

DRAINAGE

- D-1: THIS ITEM SHALL INCLUDE THE COST OF NEW MANHOLE FRAME AND COVER PER CITY OF TULSA STD NO. 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: NOT USED.
- D-5: NOT USED.
- 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.

PAY ITEM NOTES (ROADWAY) (CONT'D.)

DRAINAGE CONT.

- D-8: QUICKEST 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: STANDARD 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: CAST IRON CURB INLET CONFIGURATION NAMING CONVENTION PROVIDED IN COT STANDARD NO. 755. SEPARATE DETAILS SHALL BE REFERENCED OR PROVIDED IN THE PLANS FOR NON-CITY-STANDARD INLETS.
- STANDARD NAMING: CICI DES G(T) [W/AMH]
- G: NUMBER OF GRATES.
- T: LETTER(S) CORRESPONDING TO ARRANGEMENT OF CAST IRON HOODS TO BE INSTALLED UPSTREAM OF GRATES
- W/AMH: IF SHOWN, INLET TO BE CONSTRUCTED WITH ATTACHED ACCESS MANHOLE.
- 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-100: THIS PAY ITEM SHALL INCLUDE ALL LABOR AND MATERIALS ASSOCIATED WITH REMOVING AND REPLACING INLET FRAME.
- D-101: THIS PAY ITEM SHALL INCLUDE ALL LABOR AND MATERIALS ASSOCIATED WITH REMOVING AND REPLACING EXISTING INLET GRATE WITH BICYCLE SAFE GRATE.

TRAFFIC

- T-1: NOT USED.
- 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 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: NOT USED.
- T-7: PRICE BID FOR THIS ITEM INCLUDES INSTALLATION, MAINTENANCE AND SUBSEQUENT REMOVAL OF PROJECT SIGN.

TRANSPORTATION GENERAL CONSTRUCTION NOTES

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.

COT STANDARD DRAWINGS:

102. PROJECT SIGN
126. STANDARD SILT FENCE AND CONSTRUCTION ENTRANCE
- 304A. TRENCH DETAIL - WATERLINE
305. BEDDING DETAIL - FLEXIBLE PIPE
309. STANDARD DETAIL FIRE HYDRANT
312. STANDARD DETAIL FRAME AND LID FOR WATER VAULTS
313. STANDARD DETAIL VALVE BOX
314. STANDARD DETAIL MANHOLE STEPS
315. STANDARD DETAIL THRUST BLOCKS AND TRENCH CONDITIONS
318. HDPE - DUCTILE IRON FITTING DETAILS (2 OF 2)
319. HDPE - SPLICE AND FIRE HYDRANT DETAILS
320. HDPE - REALIGNMENT DETAILS
321. HDPE - WALL ANCHOR DETAILS
322. LOCATOR BALL PLACEMENT DETAIL
361. STANDARD DETAIL FOR IN-LINE TEES FOR SERVICE CONNECTION
362. RISER DETAIL
401. MANHOLE GRADE ADJUSTMENT
405. RUBBER SEAL AT MANHOLE
408. EXCAVATION AND RESTORATION AT GRADE AND ABOVE GRADE CONSTRUCTION
409. CONCRETE MANHOLE COLLAR
141. MANHOLE ADJUSTING RING
501. STANDARD METER SETTINGS FOR 5/8" X 3/4" WATER SERVICE
- 501A. STANDARD METER SETTINGS FOR 5/8" X 3/4" WATER SERVICE, AQUA PEX BLUE
505. METER CAN WITH RIM AND LID FOR 5/8" X 3/4" AND 1" WATER METER CAN INSTALLATION
- 608A. STREET NAME SIGNS
- 608B. TRAFFIC SIGNS
701. RESIDENTIAL CONCRETE DRIVEWAY CONCRETE STREET
706. COMMERCIAL DRIVEWAY
707. COMMERCIAL DRIVEWAY
713. STANDARD DETAIL FOR PAVEMENT REMOVAL AND REPLACEMENT
714. STANDARD DETAIL FOR PAVEMENT CUTS
609. STANDARD ASPHALT PAVEMENT CUT AND REPAIR
755. CONFIGURATION OF CAST IRON CURB INLETS
758. RESIDENTIAL STORM WATER CURB OPENING
765. STANDARD STORMWATER FRAMES
766. STANDARD STORMWATER GRATES
790. STANDARD SIDEWALK RAMP

ODOT STANDARD DRAWINGS:

<u>ROADWAY</u>	<u>TRAFFIC</u>
LECS-4-2	TCS1-1-02E
SMD-3-2	TCS2-1-00E
TRFD-1-2	TCS3-1-00E
	TCS4-1-02E
	TCS5-1-01E
	TCS6-1-02E
	TCS7-1-01E
	TCS39-1-00E
	SKT-1
	GHW 1-1
	GHW 2-1



PAY ITEMS & NOTES (ROADWAY) (2 OF 2)			
PROJECT NO. 2036N4021Z			
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT			
 CEC		CEC Corporation 1300 S. Main Street Tulsa, OK 74137 (918) 663-9401	
PLAN SCALE:	DRAWN	J.L.C.	7/2025
	DESIGNED	J.L.C.	7/2025
	SURVEY	B.B.	11/2020
PROFILE SCALES:	PROJ. MGR.	<i>8/14/25</i>	12/25
HORIZONTAL:	LEAD ENGR.	<i>8/14/25</i>	12/25
	FIELD MGR.	<i>8/14/25</i>	12/25
VERTICAL			
DRAWING: PAY ITEMS & NOTES (ROADWAY) ATLAS PAGE NO: 3, 14			DATE: <i>01.30.26</i>  DESIGN MANAGER
			SHEET 3 OF 102

REVISION	BY	DATE
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BASE BID - WATERLINE					
ITEM NO.	SPEC NO.	DESCRIPTION	PAY ITEM NOTES	UNIT	QUANTITY
W-1	COT 301	RIGHT-OF-WAY CLEARING AND RESTORING, COMPLETE IN PLACE	4,5,6,7,22	SY	193
W-2	COT 302	EXCAVATION AND BACKFILL, UNCLASSIFIED	14	CY	439
W-3	COT 303	MOBILIZATION	-	EA	1
W-4	624/COT 304	CONSTRUCTION STAKING LEVEL II	-	EA	1
W-5	COT 315	5/8 INCH WATER METER CAN, LID, & RIM	-	EA	120
W-6	COT 315	3/4 INCH WATER METER CAN, LID, & RIM	-	EA	1
W-7	COT 317	3-WAY FIRE HYDRANT, IN PLACE	-	EA	2
W-8	COT 317	6 INCH FIRE HYDRANT EXTENSION	-	EA	2
W-9	COT 317	RELOCATE EXISTING FIRE HYDRANT	-	EA	1
W-10	COT 325	SODDING AND SEEDING	23	SY	193
W-11	COT 326	STREET WASH DOWN	-	LF	718
W-12	619/COT 329	PAVEMENT, REMOVAL AND REPLACEMENT (ASPHALT)	31,36	SY	304
W-13	COT 333	6 INCH WATERLINE ABANDONMENT	5,9	LF	700
W-14	COT 334	CONSTRUCTION AS-BUILT	24,25,27	EA	1
W-15	880	TRAFFIC CONTROL	T-2,4,5,7	CD	60
W-16	SPECIAL	OWNER ALLOWANCE	18	ALLOW	25,000

PIPE OPTION 1 - PVC						
ITEM NO.	SPEC NO.	DESCRIPTION	PAY ITEM NOTES	UNIT	QUANTITY	
W-17	COT 309	6 INCH PVC, AWWA C900, CLASS 200 DR-14	1,2,3,9,10,27,29	LF	416	
W-18	COT 309	6 INCH PVC, AWWA C900, CLASS 200 DR-14 (RJ)	1,2,3,8,9,10,27,29	LF	302	
W-19	COT 312	8 INCH X 6 INCH DUCTILE IRON TEE (RJ)	2,8	EA	1	
W-20	COT 312	6 INCH X 6 INCH DUCTILE IRON TEE (RJ)	2,8	EA	3	
W-21	COT 312	6 INCH DUCTILE IRON 90 DEGREE BEND (RJ)	2,8	EA	2	
W-22	COT 312	6 INCH DUCTILE IRON 45 DEGREE BEND (RJ)	2,8	EA	15	
W-23	COT 315	5/8 INCH WATER SERVICE CONNECTION (LONG)	13,15,16,17	EA	9	
W-24	COT 315	5/8 INCH WATER SERVICE CONNECTION (SHORT)	13,15,16,17	EA	11	
W-25	COT 315	5/8 INCH WATER SERVICE LINE EXTENSION	13,15,16,17	LF	25	
W-26	COT 315	3/4 INCH WATER SERVICE CONNECTION (SHORT)	13,15,16,17	EA	1	
W-27	COT 317	6 INCH GATE VALVE (RJ)	8	EA	3	
W-28	COT 318	VALVE BOX	21	EA	3	
W-29	COT 318	VALVE BOX EXTENSION	21	EA	3	

PIPE OPTION 2 - DUCTILE IRON PIPE					
ITEM NO.	SPEC NO.	DESCRIPTION	PAY ITEM NOTES	UNIT	QUANTITY
W-30	COT 307	6 INCH DIP, CL51 POLYETHYLENE WRAPPED	1,2,3,9,11,27,28	LF	416
W-31	COT 307	6 INCH DIP, CL51 POLYETHYLENE WRAPPED (RJ)	1,2,3,8,9,11,27,28	LF	302
W-32	COT 312	8 INCH X 6 INCH DUCTILE IRON TEE (RJ)	2,8	EA	1
W-33	COT 312	6 INCH X 6 INCH DUCTILE IRON TEE (RJ)	2,8	EA	3
W-34	COT 312	6 INCH DUCTILE IRON 90 DEGREE BEND (RJ)	2,8	EA	2
W-35	COT 312	6 INCH DUCTILE IRON 45 DEGREE BEND (RJ)	2,8	EA	15
W-36	COT 315	5/8 INCH WATER SERVICE CONNECTION (LONG)	13,15,16,17	EA	9
W-37	COT 315	5/8 INCH WATER SERVICE CONNECTION (SHORT)	13,15,16,17	EA	11
W-38	COT 315	5/8 INCH WATER SERVICE LINE EXTENSION	13,15,16,17	LF	25
W-39	COT 315	3/4 INCH WATER SERVICE CONNECTION (SHORT)	13,15,16,17	EA	1
W-40	COT 317	6 INCH GATE VALVE (RJ)	8	EA	3
W-41	COT 318	VALVE BOX	21	EA	3
W-42	COT 318	VALVE BOX EXTENSION	21	EA	3

PIPE OPTION 3 - HDPE					
ITEM NO.	SPEC NO.	DESCRIPTION	PAY ITEM NOTES	UNIT	QUANTITY
W-43	COT 309	6 INCH PVC, AWWA C900, CLASS 200 DR-14 (RJ)	1,2,3,8,9,10,27,29	LF	18
W-44	COT 309A	8 INCH HDPE AWWA C906 PE4710 DR-11 (DIPS)	1,2,3,8,9,10,19,27,28	LF	700
W-45	COT 312	6 INCH X 6 INCH DUCTILE IRON TEE (RJ)	2,8	EA	1
W-46	COT 312	8 INCH X 8 INCH DUCTILE IRON TEE (RJ)	2,8	EA	1
W-47	COT 312	6 INCH DUCTILE IRON 90 DEGREE BEND (RJ)	2,8	EA	2
W-48	COT 312	8 INCH X 6 INCH REDUCER	2,8	EA	4
W-49	COT 312A	8 INCH HDPE 45 DEGREE BEND (DIPS)	-	EA	15
W-50	COT 312A	8 INCH X 8 INCH HDPE TEE (DIPS)	20	EA	2
W-51	COT 312A	8 INCH HDPE MJ ADAPTOR (DIPS) (RJ)	-	EA	4
W-52	COT 312A	8 INCH HDPE MJ WALL ANCHOR (DIPS) (RJ)	26	EA	2
W-53	COT 315	5/8 INCH WATER SERVICE CONNECTION (LONG)	13,15,16,17	EA	9
W-54	COT 315	5/8 INCH WATER SERVICE CONNECTION (SHORT)	13,15,16,17	EA	11
W-55	COT 315	5/8 INCH WATER SERVICE LINE EXTENSION	13,15,16,17	LF	25
W-56	COT 315	3/4 INCH WATER SERVICE CONNECTION (SHORT)	13,15,16,17	EA	1
W-57	COT 317	6 INCH GATE VALVE (RJ)	8	EA	3
W-58	COT 318	VALVE BOX	21	EA	3
W-59	COT 318	VALVE BOX EXTENSION	21	EA	3

GENERAL NOTE

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 (WATER: 05.15.2025)

- 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 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. COST FOR EXCAVATING UTILITY CROSSINGS SHALL BE INCLUDED IN 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 SOUTH YARD, 2317 S JACKSON. 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 UNCASSED 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.
9. ALL WATER MAINS TO BE ABANDONED SHALL BE FILLED TO 100% OF THE ABANDONED PIPE VOLUME. FILL MATERIALS SHALL BE EITHER CELLULAR CONCRETE OR FLOWABLE FILL AS APPROVED BY THE ENGINEER.
 10. TRACER WIRE AND DETECTABLE MYLAR MARKING TAPE SHALL BE INSTALLED ABOVE ALL PVC AND HDPE PIPE, TERMINATING ONLY INTO HYDRANTS JUST ABOVE GROUND LEVEL AS PER CONST SPEC 310. COST OF TRACER WIRE AND DETECTABLE MYLAR TAPE SHALL BE INCLUDED IN UNIT PRICE BID FOR PVC AND HDPE PIPE. CONST SPEC 310.1 NOW ALLOWS #12 COPPER-CLAD STEEL (CCS) WIRE, 21% CONDUCTIVITY, IN LIEU OF #8 COPPER WIRE AS TRACER WIRE ATOP PVC AND HDPE PIPE.

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 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 OF 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 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. SHORT SERVICE SHALL BE ANY SERVICE LINE THAT IS 25-FOOT OR LESS IN LENGTH. SHORT SERVICES DO NOT INCLUDE PAVEMENT REPLACEMENT. I.E. ¾-INCH WATER SERVICE CONNECTIONS (SHORT SERVICE)
 - B. LONG SERVICE SHALL BE ANY SERVICE LINE THAT IS GREATER THAN 25-FOOT UP TO 80-FOOT IN LENGTH. LONG SERVICES INCLUDE PAVEMENT REPLACEMENT AND/ OR COST TO BORE. EXAMPLE: ¾-IN WATER SERVICE CONNECTIONS (LONG SERVICE)
 - 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 1½-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..
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 COST OF MATERIALS, LABOR, INSTALLATION AND 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:
 1. 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. WHERE PLANS IDENTIFY A 22.5-DEG OR 11.25-DEG VERTICAL OR HORIZONTAL BEND, HDPE WILL BE DEFLECTED PER MANUFACTURER'S MINIMUM ALLOWABLE BEND RADIUS.
20. WHERE PLANS IDENTIFY A CROSS, HDPE WILL USE TWO (2) TEE. NO ADDITIONAL PAYMENT SHALL BE MADE.
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 CONDITIONS. LIMITS OF DISTURBANCE SHALL NOT EXCEED 9-FEET CENTERED ON THE WATERLINE. ANY DISTURBANCE OUTSIDE OF THIS AREA SHALL BE RESTORED AT THE CONTRACTORS EXPENSE. STREETS, DRIVEWAYS AND ASSOCIATED ITEMS SHALL BE PAID FOR UNDER OTHER ITEMS OF WORK.
23. THE CONTRACTOR SHALL RESTORE ALL DISTURBED GRASS AREAS TO A CONDITION EQUAL TO OR BETTER THAN THE EXISTING CONDITION. THE CONTRACTOR SHALL REPLACE THE SOD TO MATCH IN-KIND AND QUALITY. LIMITS OF DISTURBANCE SHALL NOT EXCEED 9-FEET CENTERED ON THE WATERLINE. ANY DISTURBANCE OUTSIDE OF THIS AREA SHALL BE RESTORED AT THE CONTRACTORS EXPENSE. THIS PAY ITEM INCLUDES ALL MOWING WITHIN THE RIGHT-OF-WAY AS DIRECTED DURING CONSTRUCTION. NETTING SHALL BE REMOVED FROM SOD PRIOR TO PLACEMENT.
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, 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. WORK UNDER THIS ITEM SHALL INCLUDE FURNISHING AND INSTALLING HDPE WALL ANCHOR AS SHOWN ON DRAWINGS OR AS DIRECTED BY THE ENGINEER. THE UNIT PRICE SHALL INCLUDE THE COST OF ALL LABOR, EQUIPMENT, AND MATERIALS REQUIRED. NO ADDITIONAL PAYMENT SHALL BE MADE FOR EXCAVATION, BACKFILLING, OR CONCRETE REPAIRING.



PAY ITEMS & NOTES (WATERLINE) (1 OF 2)	
PROJECT NO. 2036N4021Z TMUA-W 20-15	
NON-ARTERIAL STREET REHAB MAINTENANCE ZONE 4021	
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT	
 CEC	CEC Corporation 1300 S. Main Street Tulsa, OK 74137 (918) 663-9401

REVISION	BY	DATE	PLAN SCALE:	DRAWN	T.C.B.	08/2021	APPROVED: <
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PAY ITEM NOTES (WATER: 05.15.2025), CONTINUED

27. PRESSURE TESTING AND CHLORINATION OF WATER MAINS SHALL NOT BE PERFORMED UNTIL THE CITY INSPECTOR HAS RECEIVED 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 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. COST INCLUDES EBAA MEGASTOPS OR EQUAL, INSTALLED ON ALL PVC JOINTS THROUGH BORES TO PREVENT OVERBELLING.
30. AGG BASE AND SUBGRADE, PER CITY STANDARD SPECIFICATIONS AND STANDARD DETAILS 701-702, SHALL BE PAID UNDER EXCAVATION AND BACKFILL.
31. AGG BASE AND SUBGRADE, PER CITY STANDARD SPECIFICATIONS AND STANDARD DETAILS 703 - 704, SHALL BE PAID UNDER EXCAVATION AND BACKFILL.
32. 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 COSTS 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 BID FOR THIS ITEM.
33. 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 COSTS FOR ITEMS A-D ABOVE SHALL BE INCLUDED IN UNIT PRICE BID FOR THIS ITEM.
34. PRICE BID SHALL INCLUDE MAINTENANCE, SEDIMENT REMOVAL, DISPOSAL, AND REMOVAL OF FILTERS AT PROJECT COMPLETION.
35. INCLUDES 8 TEMPORARY TYPE B FILTERS.
36. THIS PAY ITEM SUPERSEDES CITY OF TULSA STANDARD SPECIFICATION SECTION 329.6 (WITH RESPECT TO SAW CUTTING AND DOWELS) AND INCLUDES THE FOLLOWING (THESE ITEMS SHALL NOT BE PAID SEPARATELY): SAWCUTTING, DOWELS, DISPOSAL OF BROKEN PAVEMENT, TEMPORARY SURFACES, ASSOCIATED EXCAVATION, PREPARATION OF SUBGRADE, FORMS OR REINFORCING, REMOVAL OR REPLACEMENT OF GRAVEL, ADDITIONAL SAW CUTTING OR REPLACEMENT OF PAVEMENT DAMAGED BY THE CONTRACTOR, JOINT SEALER, TACK COATS, OR EDGE SEALING.

WATER CONSTRUCTION NOTES (05.15.2025)

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 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 PLANS.
5. CONTRACTOR SHALL REPLACE EXISTING GRASS WITH SEED/SOD OF 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 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, TRAFFIC OPERATIONS (918-596-9766) FOR SITE SPECIFIC, UNDERGROUND TRAFFIC UTILITY LOCATES.
14. CONSTRUCTION FOR ALL ENGINEERING SERVICES 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 APPROVED PLANS SHALL BE SUBMITTED TO THE CITY OF TULSA FOR WRITTEN APPROVAL PRIOR TO INSTALLATION.



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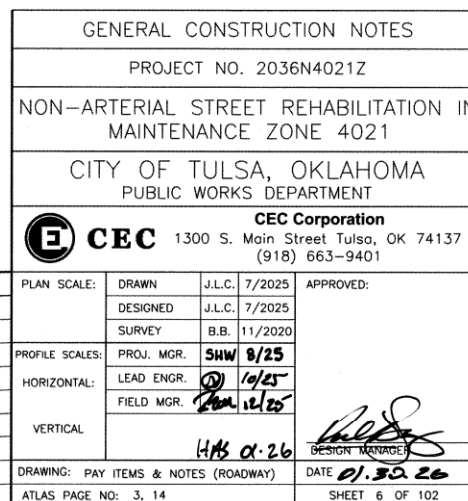
PLAN SCALE:	DRAWN	T.C.B. 08/2021	APPROVED:
	DESIGNED	J.I.C. 08/2021	
	SURVEY	B.B. 11/2020	
PROFILE SCALES:	PROJ. MGR.	JB 12/2025	DESIGN MANAGER
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	FIELD MGR.	JB 12/25	
VERTICAL			
DRAWING: PAY ITEMS & NOTES (WATERLINE)			DATE 01.30.26
ATLAS PAGE NO: 03, 14			SHEET 5 OF 102

PROJECT NO. 2036N4021Z, TMUA-W 20-15

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE 2019 OKLAHOMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AS ADOPTED BY CITY OF TULSA AND THE CURRENT CITY OF TULSA ENGINEERING SERVICES 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. ALL SIGNS SHALL BE HANDLED IN A MANNER SO AS NOT TO DAMAGE THE SIGN AND/OR POST. ALL TRAFFIC SIGNS REMOVED DUE TO CONSTRUCTION SHALL BE REINSTALLED BY THE CITY/CONTRACTOR.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ALL EXISTING TRAFFIC SIGNS AND MARKINGS REMOVED OR DAMAGED AS PART OF THIS 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 918-596-9404 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.

GENERAL CONSTRUCTION NOTES (CONT'D.)

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. HANDICAP 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. CONTRACTOR SHALL SALVAGE ALL CAST IRON INLET GRATES, INLET FRAMES, MANHOLE COVERS, MANHOLE FRAMES, AND OTHER CASTINGS. SALVAGED CASTINGS SHALL BE DELIVERED TO THE METAL RECYCLE BINS IN THE STOCKROOM AREA AT THE UNDERGROUND COLLECTIONS BASE LOCATED AT 9319 E 42ND ST N BETWEEN THE HOURS OF 7:30 AM AND 3:00 PM MONDAY THROUGH FRIDAY. CONTRACTOR MUST OBTAIN A RECEIPT/TRIP TICKET WITH QUANTITY DELIVERED.
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 DISCOLORATION 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 **AUG. 08, 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 CONTRACTOR SHALL NOT PROCEED WITH ANY ASPECT OF THE WORK, WHICH IS NOT IN FULL COMPLIANCE WITH THE ADA WITHOUT 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 METROPOLITAN TULSA TRANSIT AUTHORITY (MTTA), ERIC SMITH 918-830-0024, A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK, LANE CLOSURES OR PRIOR TO DETOURING TRAFFIC.
43. THE CONTRACTOR SHALL NOT STORE EQUIPMENT OR MATERIALS IN THE FLOODPLAIN.



REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:	
-	-	-		DESIGNED <td>J.L.C.<td>7/2025</td></td>	J.L.C. <td>7/2025</td>	7/2025		
-	-	-		SURVEY <td>B.B.<td>11/2020</td></td>	B.B. <td>11/2020</td>	11/2020		
-	-	-	PROFILE SCALES:	PROJ. MGR.	SHW	8/25		
-	-	-	HORIZONTAL:	LEAD ENGR.	D	10/25		
-	-	-	VERTICAL	FIELD MGR.	Ran	12/25		
-	-	-			HAS	01.26		
-	-	-	DRAWING: PAY ITEMS & NOTES (ROADWAY)				DATE	01.30.26
-	-	-	ATLAS PAGE NO: 3, 14				SHEET 6 OF 102	

PLOT DATE: December 12, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021 IOT2\PRODUCTION DRAWINGS\4021 IOT SUMMARY TABLES.DWG

SUMMARY OF CONSTRUCTION QUANTITIES						ROADWAY PLAN SHEET NUMBER																									
ITEM NO.	ODOT SPEC NO.	DESCRIPTION	PAY ITEM NOTES	UNIT	TOTAL	12th St				Victor Ave.		Wheeling Ave.		Xanthus Ave.				17th St			17th Pl			19th St			Xanthus Ave.				
						47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72
1	201(A)	CLEARING AND GRUBBING	E-1, 2	AC	4																										
2	202(A)	UNCLASSIFIED EXCAVATION	E-3, 4, R-1	CY	2630	194	171	76	0	126	240	239	58	2	53	36	101	4	40	10	9	83	312	132	22	13	68	120	436	25	60
3	220	SWPPP DOCUMENTATION AND MANAGEMENT	E-6	LS	1																										
4	221(D)	TEMPORARY SEDIMENT FILTER	E-7, 8, 9	EA	45	1	3	1	0	0	2	2	1	0	2	2	1	0	2	2	3	2	3	0	2	3	2	3	4	4	0
5	230(A)	SOLID SLAB SODDING	E-10, 11	SY	2236	89	78	43	0	128	70	212	86	18	9	17	59	9	25	20	14	60	463	79	78	21	0	0	201	215	242
6	303(A)	AGGREGATE BASE TYPE A	S-1, 2	CY	2646	209	176	76	0	126	311	242	58	2	53	36	101	4	40	10	9	83	311	132	25	13	68	120	354	25	62
7	310(B)	SUBGRADE METHOD B	-	SY	8510	627	526	267	0	430	996	752	188	5	209	130	301	21	172	30	52	249	1002	410	65	37	204	358	1119	138	222
8	325	SEPARATOR FABRIC	S-3	SY	12863	910	836	416	0	779	1332	1049	280	26	392	282	494	41	333	56	94	384	1324	578	160	66	302	657	1452	246	374
9	408(A)	FABRIC REINFORCEMENT	S-4, 100	SY	21453	1236	1302	1314	68	1121	18	618	711	1136	718	1107	731	1129	657	620	1311	1134	0	956	1305	724		993	724	1018	802
10	411(B)	SUPERPAVE, TYPE S3 (PG 64-22 OK)	S-5, 6, 7, 8	TON	57	41																									16
11	411(C)	SUPERPAVE, TYPE S4 (PG 70-28 OK)	S-5, 6, 7, 8, 23	TON	2441	156	146	148	8	126	3	70	80	128	81	124	82	127	74	70	147	128	0	108	147	82	112	82		115	97
12	411(E)	SUPERPAVE, TYPE S6 (PG 70-28 OK)	S-5, 6, 7, 8, G-1	TON	313	18	19	19	1	16	1	9	10	16	11	16	11	16	10	9	19	16	0	14	19	11	14	11		15	12
13	412	COLD MILL PAVEMENT	S-9, 22	SY	16103	463	551	551	29	478	8	250	294	1136	718	1107	731	1129	657	620	1311	589	0	956	1305	724	993	724	436	343	
14	414(A)	P.C. CONCRETE PAVEMENT (PLACEMENT)	S-10, 11	SY	2881						717	484											799						881		
15	414(G)	P.C. CONCRETE FOR PAVEMENT	S-10, 11, 12, 13	CY	564						140	95											157						172		
16	609(A)	CONCRETE CURB (6" BARRIER-INTEGRAL)	S-15	LF	1453						324	287											336						506		
17	609(B)	COMBINED CURB AND GUTTER (6" BARRIER)	S-10, 12, 13, 15, 16, 101	LF	1785	209	167	55	0	256	6	31	92	15	2	28	176	0	17	19	1	152	0	170	27	23	14	270		2	53
18	610(A)	4" CONCRETE SIDEWALK	S-12, 13, 16, 17	SY	1314	107	90	12	0	106	208	20	77	9	4	0	0	3	9	15	0	8	110	14	66	16	6	127	84	107	116
19	610(A)	4" STAMPED CONCRETE SIDEWALK	S-12, 13, 17, 18	SY	20	4	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0
20	610(B)	CONCRETE DRIVEWAY (6" H.E.S.)	S-12, 13, 16, 17	SY	1267	45	27	73		102	156	95	27		100	45		17	102		41		141	22				102	108	64	
21	610(I)	TACTILE WARNING DEVICE	-	SF	139	24	20	0	0	0	41	24	0	0	0	0	0	0	0	0	0	0	20	0	10	0	0	0	0	0	0
22	611(G)	INLET CICI DES. 2, COMPLETE IN PLACE	D-2, 3, 7, 8, 9, 10, 11	EA	7																										
23	611(G)	INLET CICI DES. 2 W/AMH, COMPLETE IN PLACE	D-1, 2, 3, 7, 8, 9, 10, 11	EA	1																										
24	611(H)	ADDITIONAL DEPTH IN INLET CICI DES. 2	D-10	VF	3																										
25	611(H)	ADDITIONAL DEPTH IN INLET CICI DES. 2 W/ AMH	D-10	VF	1																										
26	611(O)	REPLACEMENT OF FRAME	G-1, D-100	EA	1																										
27	611(P)	REPLACEMENT OF COVER/GRATE	D-101	EA	1																										
28	612(A)	MANHOLE ADJUSTED TO GRADE (PUBLIC)	S-12, R-2, D-1, 2, 6	EA	23		3	2		3	1	2							1		1	1	1	1	1		2	1	1	1	
29	612(E)	VALVE BOX ADJUSTED TO GRADE	S-12, R-2, D-6	EA	10	4	3				2																				
30	612(F)	METER BOX ADJUSTED TO GRADE	S-12, R-2, D-6	EA	14					4	5					2								3							
31	613(A)	12" REINFORCED CONCRETE PIPE, COMPLETE IN PLACE	D-8, 12, 13	LF	15																										
32	613(A)	15" REINFORCED CONCRETE PIPE, COMPLETE IN PLACE	D-8, 12, 13	LF	15																										
33	613(A)	24" REINFORCED CONCRETE PIPE, COMPLETE IN PLACE	D-8, 12, 13	LF	30																										
34	613(A)	30" REINFORCED CONCRETE PIPE, COMPLETE IN PLACE	D-8, 12, 13	LF	3																										
35	619(A)	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	R-1, 2, 3, 4, 5	LSUM	1																										
36	619(B)	REMOVAL OF APC PAVEMENT	R-1, 2, 5, 6	SY	1334	141					713	480											0						0		
37	619(B)	REMOVAL OF CONCRETE PAVEMENT	R-1, 2, 5, 6	SY	1679	0					0	0																			
38	619(B)	REMOVAL OF DRIVEWAY	R-1, 2, 5, 6	SY	1183	47	27	68		116	147	87	27		97	42		14	101		36		112	19					91		
39	619(B)	REMOVAL OF SIDEWALK	R-1, 2, 5, 6	SY	1438	136	110	12	0	102	235	38	75	9	4	0	0	3	9	15	0	13	127	14	71	14	6	128	96	105	116
40	619(B)	REMOVAL OF CURB AND GUTTER	R-1, 2, 5, 6	LF	3443	245	176	64	0	220	282	348	123	15	14	39	175	7	32	19	8	152	339	177	42	23	14	270	523	32	104
41	641	MOBILIZATION	G-2	EA	1																										
42	642	CONSTRUCTION STAKING LEVEL II	G-3, 4	EA	1																										
43	805(D)	(PL) REMOVE AND RESET GROUND MOUNTED SIGNS	-	EA	4																										
44	855(A)	TRAFFIC STRIPE (PLASTIC) (4" WIDE)	T-3	LF	2372	754	472																					638	508		
45	855(A)	TRAFFIC STRIPE (PLASTIC) (24" WIDE)	T-3	LF	275	91																							144	40	
46	855(B)	TRAFFIC STRIPE (PLASTIC) (ARROWS)	T-3	EA	8	2																							6		
47	857	(PL) CONST. ZONE PAVEMENT MARKERS (FLEX TAB) TYPE 2-2	G-1	EA	200																										
48	857(C)	REMOVABLE PAVEMENT MARKING TAPE	G-1	LF	1200																										

PLOT DATE: December 12, 2025. DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021 IOT2\PRODUCTION DRAWINGS\4021 IOT SUMMARY TABLES.DWG

SUMMARY OF SIGNS									
APPROX. STATION	OFFSET	TYPE OF SIGN	SIGN DIMENSION	GROUND SIGN SF	1-1/2" SIGN POST LF	1-3/4" SIGN POST LF	2" SIGN POST LF	REMOVE AND RESET EA	
12th STREET									
10+65.59	LT	R3-SR	30 x 36	7.5		10.83	3.0		
11+29.39	LT	FREE PATIENT VALET PARKING	x	0				1	
11+35.80	LT	R3-SR	30 x 36	7.5		10.83	3.0		
11+51.74	LT	COT 608 (E 12TH ST)	24 x 6	2	1.5				
11+51.74	LT	COT 608 (S UTICA PL)	24 x 6	2					
11+51.74	LT	R6-1L	36 x 12	3		8.83	3.0		
11+51.74	LT	R6-1R	36 x 12	3					
12+57.04	LT	"NO PARKING" A**	24 x 36	6		10.83	3.0		
14+10.38	RT	"NO PARKING" C**	24 x 36	6		10.83	3.0		
14+31.06	LT	"NO PARKING" B**	24 x 36	6		10.83	3.0		
14+74.71	LT	R1-1	30 x 30	6.25		10.33	3.0		
14+74.71	LT	COT 608 (E 12TH ST)	24 x 6	2	1.5				
14+74.71	LT	COT 608 (S VICTOR AV)	24 x 6	2					
15+59.18	RT	"NO PARKING" B**	24 x 36	6		10.83	3.0		
16+31.11	LT	"NO PARKING" B**	24 x 36	6		10.83	3.0		
16+75.09	RT	R1-1	30 x 30	6.25		10.33	3.0		
16+75.09	RT	COT 608 (E 12TH ST)	24 x 6	2	1.5				
16+75.09	RT	COT 608 (S WHEELING AV)	36 x 6	3					
17+66.06	RT	"NO PARKING" B**	24 x 36	6		10.83	3.0		
18+12.85	LT	COT 608 (E 12TH ST)	24 x 6	2	1.5	8.33	3.0		
18+12.85	LT	COT 608 (S WHEELING AV)	36 x 6	3					
19+51.16	RT	"NO PARKING" A**	24 x 36	6		10.83	3.0		
19+56.33	LT	"NO PARKING" B**	24 x 36	6		10.83	3.0		
19+69.99	RT	COT 608 (E 12TH ST)	24 x 6	2	1.5	8.33	3.0		
19+69.99	RT	COT 608 (S XANTHUS AV)	30 x 6	2.5					
20+89.50	LT	COT 608 (E 12TH ST)	24 x 6	2	1.5	8.33	3.0		
20+89.50	LT	COT 608 (S XANTHUS AV)	30 x 6	2.5					
21+32.14	LT	"NO PARKING" B**	24 x 36	6		10.83	3.0		
22+45.76	LT	"NO PARKING" C**	24 x 36	6		10.83	3.0		
12th STREET SUBTOTAL=				120.5	9	184.44	54	1	
VICTOR AVENUE									
30+48.52	LT	"NO PARKING" A**	24 x 36	6		10.83	3.0		
32+77.12	LT	"NO PARKING" B**	24 x 36	6		10.83	3.0		
32+88.62	RT	NO PARKING PASSENGER ZONE 3 MIN LIMIT	x					1	
34+51.39	LT	"NO PARKING" B**	24 x 36	6		10.83	3.0		
34+65.51	RT	NO PARKING PASSENGER ZONE 3 MIN LIMIT	x					1	
36+23.47	LT	"NO PARKING" C**	24 x 36	6		10.83	3.0		
36+30.68	RT	R1-1	30 x 30	6.25		10.33	3.0		
36+30.68	RT	COT 608 (E 11TH ST)	30 x 9	3.76	2				
36+30.68	RT	COT 608 (S VICTOR AV 1100)	42 x 9	5.26					
VICTOR AVENUE SUBTOTAL=				33.27	2	42.82	12	2	
WHEELING AVENUE									
40+40.66	LT	R1-1	30 x 30	6.25		10.33	3.0		
40+40.66	LT	COT 608 (E 13TH ST)	30 x 6	2.5	1.5				
40+40.66	LT	COT 608 (S WHEELING AV)	36 x 6	3					
41+17.09	LT	"NO PARKING" A**	24 x 36	6		10.83	3.0		
43+01.08	LT	"NO PARKING" B**	24 x 36	6		10.83	3.0		
43+45.76	LT	R2-1(25)	24 x 30	5		10.33	3.0		
46+04.45	LT	"NO PARKING" C**	24 x 36	6		10.83	3.0		
52+33.99	RT	"NO PARKING" C**	24 x 36	6		10.83	3.0		
53+89.24	RT	"NO PARKING" A**	24 x 36	6		10.83	3.0		
55+23.79	LT	R2-1(25)	24 x 30	5		10.33	3.0		
56+28.63	RT	R1-1	30 x 30	6.25		10.33	3.0		
56+28.63	RT	COT 608 (E 11TH ST)	30 x 9	3.76	2				
56+28.63	RT	COT 608 (S WHEELING AV 1100)	48 x 9	6					
WHEELING AVENUE SUBTOTAL=				67.76	3.5	95.47	27	0	
XANTHUS AVENUE									
60+36.99	LT	R1-1	30 x 30	6.25		10.33	3.0		
60+36.99	LT	COT 608 (E 13TH ST S)	30 x 6	2.5	1.5				
60+36.99	LT	COT 608 (S XANTHUS AV)	30 x 6	2.5					
60+57.59	RT	"NO PARKING" C**	24 x 36	6		10.83	3.0		
62+07.11	RT	"NO PARKING" B**	24 x 36	6		10.83	3.0		
63+54.38	RT	ALERT NEIGHBORS						1	
63+54.38	RT	COT 608 (E 12TH PL)	24 x 6	2	1.5	8.33	3.0		
63+54.38	RT	COT 608 (S XANTHUS AV)	30 x 6	2.5					
64+08.32	RT	"NO PARKING" B**	24 x 36	6		10.83	3.0		
65+95.32	LT	"NO PARKING" A**	24 x 36	6		10.83	3.0		
70+42.77	LT	"NO PARKING" A**	24 x 36	6		10.83	3.0		
72+49.69	LT	"NO PARKING" B**	24 x 36	6		10.83	3.0		
73+46.95	LT	"NO PARKING" B**	24 x 36	6		10.83	3.0		
74+81.22	LT	R2-1(25)	24 x 30	5		10.33	3.0		
75+40.66	LT	"NO PARKING" C**	24 x 36	6		10.83	3.0		
76+21.49	RT	R1-1	30 x 30	6.25		10.33	3.0		
76+21.49	RT	COT 608 (E 11TH ST)	30 x 9	3.76	2				
76+21.49	RT	COT 608 (S XANTHUS AV 1100)	48 x 9	6					
XANTHUS AVENUE SUBTOTAL=				84.76	5	125.96	36	1	
17th STREET									
81+92.96	LT	R1-1	30 x 30	6.25		10.33	3.0		
81+92.96	LT	R1-3P	18 x 6	0.75					
81+92.96	LT	COT 608 (E 17TH ST)	24 x 6	2	1.5				
81+92.96	LT	COT 608 (S YORKTOWN AV)	36 x 6	3					
85+37.78	LT	R1-1	30 x 30	6.25		10.33	3.0		
85+37.78	LT	COT 608 (E 17TH ST)	24 x 6	2	1.5				
85+37.78	LT	COT 608 (S YORKTOWN PL)	36 x 6	3					
89+31.43	LT	R1-1	30 x 30	6.25		10.33	3.0		
89+31.43	LT	COT 608 (E 17TH ST)	24 x 6	2	1.5				
89+31.43	LT	COT 608 (S GILLETTE AV)	30 x 6	2.5					
91+15.68	LT	R2-1(25)	24 x 30	5		10.33	3.0		
17th STREET SUBTOTAL=				39	4.5	41.32	12	0	

SUMMARY OF SIGNS CONT.									
APPROX. STATION	OFFSET	TYPE OF SIGN	SIGN DIMENSION	GROUND SIGN SF	1-1/2" SIGN POST LF	1-3/4" SIGN POST LF	2" SIGN POST LF	REMOVE AND RESET EA	
17th PLACE									
100+89.07	RT	R1-1	30 x 30	6.25		10.33	3.0		
100+89.07	RT	COT 608 (E 17TH PL)	24 x 6	2	1.5				
100+89.07	RT	COT 608 (S XANTHUS AV)	30 x 6	2.5					
110+68.13	RT	R1-1	30 x 30	6.25		10.33	3.0		
110+68.13	RT	COT 608 (E 17TH PL)	24 x 6	2	1.5				
110+68.13	RT	COT 608 (S ZUNIS AV)	24 x 6	2					
17th PLACE SUBTOTAL=				21	3	20.66	6.0	0	
19th STREET									
122+95.17	RT	W11-2	30 x 30	6.25		10.33	3.0		
122+95.17	RT	W16-7P	21 x 15	2.19					
123+11.51	LT	W11-2	30 x 30	6.25		10.33	3.0		
123+11.51	LT	W16-7P	21 x 15	2.19					
124+64.62	RT	W11-2	30 x 30	6.25		10.33	3.0		
124+64.62	RT	W16-7P	21 x 15	2.19					
124+81.25	LT	W11-2	30 x 30	6.25		10.33	3.0		
124+81.25	LT	W16-7P	21 x 15	2.19					
125+11.01	RT	"NO PARKING" C**	24 x 36	6		10.83	3.0		
125+21.70	LT	"NO PARKING" A**	24 x 36	6		10.83	3.0		
126+90.79	LT	"NO PARKING" C**	24 x 36	6		10.83	3.0		
127+14.01	RT	"NO PARKING" A**	24 x 36	6		10.83	3.0		
130+84.02	LT	R1-1	30 x 30	6.25		10.33	3.0		
130+84.02	LT	COT 608 (E 19TH ST)	24 x 6	2	1.5				
130+84.02	LT	COT 608 (S XANTHUS AV)	30 x 6	2.5					
131+08.78	RT	"NO PARKING" A**	24 x 36	6		10.83	3.0		
131+70.94	LT	"NO PARKING" B**	24 x 36	6		10.83	3.0		
133+54.86	LT	"NO PARKING" B**	24 x 36	6		10.83	3.0		
19th STREET SUBTOTAL=				86.51	1.5	127.46	36	0	
XANTHUS AVE									
140+73.25	LT	"NO PARKING" C**	24 x 36	6		10.83	3.0		
141+32.84	RT	"NO PARKING" B**	24 x 36	6		10.83	3.0		
142+76.99	RT	"NO PARKING" B**	24 x 36	6		10.83	3.0		
144+40.31	RT	"NO PARKING" B**	24 x 36	6		10.83	3.0		
146+47.59	RT	"NO PARKING" A**	24 x 36	6		10.83	3.0		
XANTHUS AVENUE SUBTOTAL=				30	0	54.15	15	0	
TOTALS=				483	29	693	198	4	

**PER MUTCD 2B.52, 2B.53



"NO PARKING"
A



"NO PARKING"
B



"NO PARKING"
C

SUMMARY OF SIDEWALK								
PLAN & PROFILE SHEET NUMBER	BEGINNING STATION	ENDING STATION	4" CONCRETE SIDEWALK 610(A)	4" STAMPED CONCRETE SIDEWALK 610(A)	REMOVAL OF SIDEWALK 619(B)	CURB RAMP	TYPE "A" AGGREGATE BASE 303(A)	TACTILE WARNING DEVICE
			SY	SY	SY	EA	CY	SF
47	10+33.32	14+00.00	107	4	136	3	8	24
48	14+00.00	18+50.00	90	8	110	2	5	20
49	18+50.00	23+00.00	12	0	12	0	0	0
50	23+00.00	23+23.03	0	0	0	0	0	0
51	30+13.14	34+00.00	106	0	102	0	0	0
52	34+00.00	36+49.87	208	0	235	2	5	41
53	40+25.13	44+00.00	20	0	38	3	8	24
54	44+00.00	46+44.62	77	0	75	0	0	0
55	50+13.27	54+00.00	9	0	9	0	0	0
56	54+00.00	56+22.68	4	0	4	0	0	0
57	60+24.83	64+00.00	0	0	0	0	0	0
58	64+00.00	66+46.49	0	0	0	0	0	0
59	70+13.19	74+00.00	3	0	3	0	0	0
60	74+00.00	76+26.20	9	0	9	0	0	0
61	81+86.95	84+00.00	15	0	15	0	0	0
62	84+00.00	88+50.00	0	0	0	0	0	0
63	88+50.00	92+36.38	8	0	13	0	0	0
64	100+39.29	104+00.00	110	0	127	2	5	20
65	104+00.00	108+50.00	14	0	14	0	0	0
66	108+50.00	113+00.00	66	0	71	1	3	10
67	113+00.00	115+49.67	16	0	14	0	0	0
68	120+27.94	124+00.00	6	0	6	0	0	0
69	124+00.00	127+18.29	127	0	128	0	0	0
70	130+77.83	133+82.99	84	8	96	0	0	0
71	140+48.22	144+00.00	107	0	105	0	0	0
72	144+00.00	146+76.54	116	0	116	0	0	0
TOTALS =			1314	20	1438	13	34	139

NOTE:

PATCH QUANTITIES AND LOCATIONS SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION WITH FIELD AND DESIGN ENGINEERING.

RIGHT OF WAY TABLE						
SURVEY DATA SHEET NUMBER	TYPE	PARCEL NUMBER	STREET NUMBER	PROPERTY OWNER	WIDTH X DEPTH (FT)	AREA (SF)
15	RIGHT OF ENTRY	N/A	1145 S. UTICA AVE	VTR HILLCREST MC	9 X 7	31
	RIGHT OF ENTRY	N/A	1245 S. UTICA AVE	VTR HILLCREST MC	VARIES	235
	RIGHT OF ENTRY	N/A	1145 S. UTICA AVE	VTR HILLCREST MC	33 X 5	165
	RIGHT OF ENTRY	N/A	1245 S. UTICA AVE	VTR HILLCREST MC	39 X 17	663
	RIGHT OF ENTRY	N/A	1109 S. UTICA AVE	VTR HILLCREST MC	23 X 5	115
	RIGHT OF ENTRY	N/A	1150 S. VICTOR AVE	VTR HILLCREST MC	145 X VARYING DEPTH	1979
	RIGHT OF ENTRY	N/A	N/A	VTR HILLCREST MC	145 X 5	725
	RIGHT OF ENTRY	N/A	1809 E. 13TH ST	VTR HILLCREST MC	15 X 15	112
	RIGHT OF ENTRY	N/A	1207 S. WHEELING AVE	VTR HILLCREST MC	9 X 9	41
	RIGHT OF ENTRY	N/A	1207 S. WHEELING AVE	VTR HILLCREST MC	43 X 3	129
16	RIGHT OF ENTRY	N/A	N/A	VTR HILLCREST MC	9 X 3	27
	RIGHT OF ENTRY	N/A	2006 E. 12TH ST	P2 EQUITY INC	11 X 3	33
	RIGHT OF ENTRY	N/A	2010 E. 12TH ST	RGH INVESTMENTS LLC	3 X 3	9
17	RIGHT OF ENTRY	N/A	N/A	VTR HILLCREST MC	33 X 5	165
	RIGHT OF ENTRY	N/A	N/A	VTR HILLCREST MC	15 X 5	75
	RIGHT OF ENTRY	N/A	1118 S. VICTOR AVE	VTR HILLCREST MC	45 X VARYING DEPTH	330
	RIGHT OF ENTRY	N/A	1114 S. VICTOR AVE	VTR HILLCREST MC	50 X 5	250
	RIGHT OF ENTRY	N/A	N/A	UNKNOWN	15 X 8	120
18	RIGHT OF ENTRY	N/A	1736 E. 11TH ST	LA MAISON INC	127 X VARYING DEPTH	790
	RIGHT OF ENTRY	N/A	1809 E. 13TH ST	VTR HILLCREST MC	8 X 9	33
	RIGHT OF ENTRY	N/A	N/A	VTR HILLCREST MC	2 X 8	16
24	RIGHT OF ENTRY	N/A	2012 E. 17TH PL	ANDREA M KOENIG	3 X 2	.6
	RIGHT OF ENTRY	N/A	2016 E. 17TH PL	RALPH GUSTAV BENDEL JR	9 X 2	18
	RIGHT OF ENTRY	N/A	2016 E. 17TH PL	RALPH GUSTAV BENDEL JR	29 X 10	290
	RIGHT OF ENTRY	N/A	1726 S. YORKTOWN AVE	HAILEY MARIE BENSON	42 X 27	554
27	RIGHT OF ENTRY	N/A	1901 S. XANTHUS AVE	ST. JOHN BUILDING CORP.	23 X 2	46
	RIGHT OF ENTRY	N/A	2016 E. 19TH ST	GAYE M ROTRAMEL	36 X 5	180



JACOB CAMPBELL
34190
OKLAHOMA

**BEFORE YOU DIG
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ROADWAY SUMMARY TABLES (3 OF 4)			
PROJECT NO. 2036N4021Z			
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT			
 CEC		CEC Corporation 1300 S. Main Street Tulsa, OK 74137 (918) 663-9401	

REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:
-	-	-		DESIGNED	J.L.C.	7/2025	 DESIGN MANAGER
-	-	-		SURVEY	B.B.	11/2020	
-	-	-	PROFILE SCALES:	PROJ. MGR.	SHM	10/25	
-	-	-	HORIZONTAL:	LEAD ENGR.	D	10/25	
-	-	-		FIELD MGR.	SHM	12/25	 DESIGN MANAGER
-	-	-	VERTICAL				
-	-	-					
-	-	-					

DRAWING: 4021 IOT SUMMARY TABLES.DWG

ATLAS PAGE NO: 3, 14

DATE: **01.30.26**

SHEET 9 OF 102

PLOT DATE: December 12, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021 IOT2\PRODUCTION DRAWINGS\4021 IOT SUMMARY TABLES.DWG

DRIVEWAY SUMMARY TABLE												
SHEET NUMBER	DRIVEWAY NUMBER	CL STATION	LT/RT	AREA	AGGREGATE BASE 303(A)	UNCLASSIFIED EXCAVATION 202(A)	SUBGRADE METHOD B 310(B)	SEPARATOR FABRIC 325	6" CONCRETE DRIVEWAY (HES) 610(B)	REMOVAL OF DRIVEWAY 619(B)	DRIVEWAY SLOPE (%)	
				SY	CY	CY	SY	SY	SY	EXIST.	PROP.	
47	1	13+93.19	LT	45	9	9	51	81	45	47	9.94	4.35
				SHEET SUBTOTAL =	9	9	51	81	45	47		
48	2	16+74.68	LT	27	6	6	32	55	27	27	19.89	12.02
				SHEET SUBTOTAL =	6	6	32	55	27	27		
49	3	18+58.93	RT	55	10	10	59	96	55	54	8.19	8.86
	4	21+17.47	RT	18	4	4	23	43	18	14	8.01	9.35
				SHEET SUBTOTAL =	14	14	82	139	73	68		
51	5	30+99.60	RT	54	11	11	61	90	54	65	8.05	7.62
	7	32+61.11	RT	24	5	5	27	49	24	24	8.21	12.58
	8	33+89.15	RT	24	5	5	28	49	24	27	6.99	10.32
				SHEET SUBTOTAL =	21	21	116	188	102	116		
52	9	34+18.22	LT	34	7	7	38	63	34	30	6.93	7.32
	10	34+38.22	RT	16	4	4	20	38	16	16	9.07	7.58
	11	35+06.00	LT	23	5	5	27	47	23	23	6.58	0.65
	12	35+29.06	RT	30	6	6	34	58	30	25	6.26	7.25
	13	35+39.51	LT	53	10	10	58	91	53	53	6.89	1.08
				SHEET SUBTOTAL =	32	32	177	297	156	147		
53	14	41+49.04	RT	36	7	7	41	68	36	32	12.08	3.14
	15	42+61.01	RT	42	8	8	46	78	42	39	1.37	1.20
	16	43+89.56	RT	17	4	4	21	41	17	16	7.60	8.48
				SHEET SUBTOTAL =	19	19	108	187	95	87		
54	17	45+34.64	RT	27	6	6	32	56	27	27	5.66	7.82
				SHEET SUBTOTAL =	6	6	32	56	27	27		
56	18	54+35.13	LT	16	4	4	20	38	16	15	15.15	12.81
	19	54+51.30	LT	16	4	4	20	35	16	16	13.08	12.16
	20	55+64.34	RT	68	12	12	71	108	68	66	8.18	8.12
				SHEET SUBTOTAL =	20	20	111	181	100	97		
57	21	62+43.68	LT	45	9	9	49	81	45	42	6.90	7.24
				SHEET SUBTOTAL =	9	9	49	81	45	42		
59	22	71+97.30	LT	17	4	4	21	41	17	14	12.85	9.71
				SHEET SUBTOTAL =	4	4	21	41	17	14		
60	23	75+04.23	LT	27	5	5	30	58	27	27	11.85	9.47
	24	75+70.31	LT	34	7	7	37	70	34	34	10.13	9.24
	25	76+13.38	LT	41	8	8	46	75	41	40	8.69	6.80
				SHEET SUBTOTAL =	20	20	113	203	102	101		
62	26	85+86.43	RT	19	4	4	24	44	19	19	7.67	8.11
	27	86+33.90	RT	22	5	5	28	50	22	17	6.19	7.36
				SHEET SUBTOTAL =	9	9	52	94	41	36		
64	28	101+12.35	LT	21	5	5	25	47	21	16	9.92	4.36
	29	101+56.43	LT	22	5	5	29	51	22	16	7.87	5.99
	30	101+64.66	RT	29	6	6	35	60	29	27	2.61	2.18
	31	102+06.57	RT	23	5	5	30	53	23	19	6.79	4.43
	32	102+41.54	LT	22	5	5	29	51	22	16	11.75	8.83
65	33	102+52.29	RT	24	5	5	30	53	24	18	7.63	4.97
				SHEET SUBTOTAL =	31	31	178	315	141	112		
65	34	107+16.36	RT	22	5	5	29	51	22	19	8.39	7.73
				SHEET SUBTOTAL =	5	5	29	51	22	19		
70	35	131+87.45	RT	22	5	5	26	47	22	20	8.22	13.16
	36	132+21.37	LT	18	4	4	22	42	18	17	12.98	9.64
	37	132+70.47	RT	19	4	4	24	45	19	16	9.62	13.00
	38	132+89.01	LT	25	5	5	29	52	25	20	9.36	15.81
	39	133+09.27	RT	18	4	4	24	45	18	18	12.28	11.94
				SHEET SUBTOTAL =	22	22	125	231	102	91		
71	40	142+34.77	RT	22	5	5	28	50	22	19	14.03	9.94
	41	142+67.14	LT	21	5	5	27	49	21	17	11.53	6.16
	42	142+81.87	LT	22	5	5	28	48	22	19	8.67	7.10
	43	143+20.88	RT	21	5	5	27	48	21	19	7.90	6.44
	44	143+71.69	LT	22	5	5	28	51	22	20	9.66	7.60
				SHEET SUBTOTAL =	25	25	138	246	108	94		
72	45	145+19.51	RT	22	5	5	28	50	22	17	8.92	4.19
	46	145+76.38	RT	42	8	8	48	77	42	41	14.27	10.93
				SHEET SUBTOTAL =	13	13	76	127	64	58		
				TOTALS=	265	265	1490	2573	1267	1183		

SUMMARY OF DRAINAGE STRUCTURES																				
DRAINAGE STRUCTURE NUMBER	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION	DESIGN	INLET TOP OF CURB	INVERT ELEVATION	INVERT ELEVATION DOWNSTREAM	INNER STR. HEIGHT	CICI DES. 2	CICI DES. 2 W/ AMH	CICI DES. 2 ADD'L DEPTH	CICI DES. 2 W/AMH ADD'L DEPTH	INLET GRATE	INLET FRAME	12" RCP	15" RCP	24" RCP	30" RCP
							MH TOP OF RIM													
							(FT)													
STR-2	16+30.98	13.02' RT	423443.7139	2569287.7503	REMOVE AND REPLACE INLET, STUB 29.9 LF 24" RCP	DES. 2 W/ AMH	738.86	734.30	733.36	4.56	-	1	-	0.85	-	-			30	
STR-3	16+52.79	12.15' LT	423469.9623	2569308.0302	REMOVE AND REPLACE INLET	DES. 2	737.74	735.28		2.46	1	-	-	-	-	-	5			
STR-7	36+26.66	13.00' RT	424081.1290	2569151.2417	REMOVE AND REPLACE INLET	DES. 2	730.10	725.98		4.12	1	-	0.41	-	-	-	5			
STR-8	36+28.76	13.00' LT	424082.8760	2569125.2158	REMOVE AND REPLACE INLET	DES. 2	729.74	725.24		4.50	1	-	0.79	-	-	-	5			
STR-10	85+21.12	13.07' LT	420589.9220	2570582.4765	REMOVE AND REPLACE INLET	DES. 2	747.48	743.51		3.97	1	-	0.26	-	-	-	5			
STR-11	85+51.43	12.98' RT	420564.3140	2570613.1630	REMOVE AND REPLACE GRATE	-	N/A	N/A		N/A	-	-	-	-	1	1				
STR-13	101+04.07	13.00' RT	420200.9023	2569857.1636	REMOVE AND REPLACE INLET	DES. 2	729.03	724.91		4.12	1	-	0.41	-	-	-	5			
STR-15	122+76.13	12.97' LT	419506.8454	2568981.3185	REMOVE AND REPLACE INLET	DES. 2	737.54	733.52		4.02	1	-	0.31	-	-	-			3	
STR-17	143+28.10	12.99' LT	419836.0891	2569812.2352	REMOVE AND REPLACE INLET	DES. 2	718.58	714.87		3.71	1	-	0.00	-	-	-	5			
TOTALS=											7	1	3	1	1	1	15	15	30	3



ROADWAY SUMMARY TABLES (4 OF 4)

PROJECT NO. 2036N4021Z

NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

CEC Corporation
1300 S. Main Street Tulsa, OK 74137
(918) 663-9401

REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:
-	-	-		DESIGNED	J.L.C.	7/2025	
-	-	-		SURVEY	B.B.	11/2020	
-	-	-	PROFILE SCALES:	PROJ. MGR.	SMW	12/25	
-	-	-	HORIZONTAL:	LEAD ENGR.	HB	12/25	
-	-	-		FIELD MGR.	HB	12/25	
-	-	-	VERTICAL				
-	-	-					
-	-	-					
-	-	-					
-	-	-					
-	-	-	DRAWING: 4021 IOT SUMMARY TABLES.DWG				DATE: 01.30.26
-	-	-	ATLAS PAGE NO: 3, 14				SHEET 10 OF 102

PLOT DATE: December 12, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021 I012\PRODUCTION DRAWINGS\WATERLINE SUMMARY TABLES.DWG

SUMMARY OF CONSTRUCTION QUANTITIES (WATERLINE)								
BASE BID - WATERLINE						P&P SHEET		
ITEM NO.	SPEC NO.	DESCRIPTION	PAY ITEM NOTES	UNIT	QUANTITY	74	75	52
W-1	COT 301	RIGHT-OF-WAY CLEARING AND RESTORING, COMPLETE IN PLACE	4,5,6,7,22	SY	193	134	59	
W-2	COT 302	EXCAVATION AND BACKFILL, UNCLASSIFIED	14	CY	439	263	176	
W-3	COT 303	MOBILIZATION	-	EA	1			
W-4	624/COT 304	CONSTRUCTION STAKING LEVEL II	-	EA	1			
W-5	COT 315	5/8 INCH WATER METER CAN, LID, & RIM	-	EA	20	14	6	
W-6	COT 315	3/4 INCH WATER METER CAN, LID, & RIM	-	EA	1		1	
W-7	COT 317	3-WAY FIRE HYDRANT, IN PLACE	-	EA	2	2		
W-8	COT 317	6 INCH FIRE HYDRANT EXTENSION	-	EA	2	2		
W-9	COT 317	RELOCATE EXISTING FIRE HYDRANT	-	EA	1			1
W-10	COT 325	SODDING AND SEEDING	23	SY	193	134	59	
W-11	COT 326	STREET WASH DOWN	-	LF	718	430	288	
W-12	619/COT 329	PAVEMENT, REMOVAL AND REPLACEMENT (ASPHALT)	31,36	SY	304	193	111	
W-13	COT 333	6 INCH WATERLINE ABANDONMENT	5,9	LF	700	420	280	
W-14	COT 334	CONSTRUCTION AS-BUILT	24,25,27	EA	1			
W-15	880	TRAFFIC CONTROL	T-2,4,5,7	CD	60			
W-16	SPECIAL	OWNER ALLOWANCE	18	ALLOW	25,000			

PIPE OPTION 1 - PVC						P&P SHEET		
ITEM NO.	SPEC NO.	DESCRIPTION	PAY ITEM NOTES	UNIT	QUANTITY	74	75	
W-17	COT 309	6 INCH PVC, AWWA C900, CLASS 200 DR-14	1,2,3,9,10,27,29	LF	416	204	212	
W-18	COT 309	6 INCH PVC, AWWA C900, CLASS 200 DR-14 (RJ)	1,2,3,8,9,10,27,29	LF	302	226	76	
W-19	COT 312	8 INCH X 6 INCH DUCTILE IRON TEE (RJ)	2,8	EA	1	1		
W-20	COT 312	6 INCH X 6 INCH DUCTILE IRON TEE (RJ)	2,8	EA	3	2	1	
W-21	COT 312	6 INCH DUCTILE IRON 90 DEGREE BEND (RJ)	2,8	EA	2		2	
W-22	COT 312	6 INCH DUCTILE IRON 45 DEGREE BEND (RJ)	2,8	EA	15	13	2	
W-23	COT 315	5/8 INCH WATER SERVICE CONNECTION (LONG)	13,15,16,17	EA	9	7	2	
W-24	COT 315	5/8 INCH WATER SERVICE CONNECTION (SHORT)	13,15,16,17	EA	11	7	4	
W-25	COT 315	5/8 INCH WATER SERVICE LINE EXTENSION	13,15,16,17	LF	25			
W-26	COT 315	3/4 INCH WATER SERVICE CONNECTION (SHORT)	13,15,16,17	EA	1		1	
W-27	COT 317	6 INCH GATE VALVE (RJ)	8	EA	3	2	1	
W-28	COT 318	VALVE BOX	21	EA	3	2	1	
W-29	COT 318	VALVE BOX EXTENSION	21	EA	3	2	1	

PIPE OPTION 2 - DUCTILE IRON PIPE						P&P SHEET		
ITEM NO.	SPEC NO.	DESCRIPTION	PAY ITEM NOTES	UNIT	QUANTITY	74	75	
W-30	COT 307	6 INCH DIP, CL51 POLYETHYLENE WRAPPED	1,2,3,9,11,27,28	LF	416	204	212	
W-31	COT 307	6 INCH DIP, CL51 POLYETHYLENE WRAPPED (RJ)	1,2,3,8,9,11,27,28	LF	302	226	76	
W-32	COT 312	8 INCH X 6 INCH DUCTILE IRON TEE (RJ)	2,8	EA	1	1		
W-33	COT 312	6 INCH X 6 INCH DUCTILE IRON TEE (RJ)	2,8	EA	3	2	1	
W-34	COT 312	6 INCH DUCTILE IRON 90 DEGREE BEND (RJ)	2,8	EA	2		2	
W-35	COT 312	6 INCH DUCTILE IRON 45 DEGREE BEND (RJ)	2,8	EA	15	13	2	
W-36	COT 315	5/8 INCH WATER SERVICE CONNECTION (LONG)	13,15,16,17	EA	9	7	2	
W-37	COT 315	5/8 INCH WATER SERVICE CONNECTION (SHORT)	13,15,16,17	EA	11	7	4	
W-38	COT 315	5/8 INCH WATER SERVICE LINE EXTENSION	13,15,16,17	LF	25			
W-39	COT 315	3/4 INCH WATER SERVICE CONNECTION (SHORT)	13,15,16,17	EA	1		1	
W-40	COT 317	6 INCH GATE VALVE (RJ)	8	EA	3	2	1	
W-41	COT 318	VALVE BOX	21	EA	3	2	1	
W-42	COT 318	VALVE BOX EXTENSION	21	EA	3	2	1	

PIPE OPTION 3 - HDPE						P&P SHEET		
ITEM NO.	SPEC NO.	DESCRIPTION	PAY ITEM NOTES	UNIT	QUANTITY	74	75	
W-43	COT 309	6 INCH PVC, AWWA C900, CLASS 200 DR-14 (RJ)	1,2,3,8,9,10,27,29	LF	18		18	
W-44	COT 309A	8 INCH HDPE AWWA C906 PE4710 DR-11 (DIPS)	1,2,3,8,9,10,19,27,28	LF	700	430	270	
W-45	COT 312	6 INCH X 6 INCH DUCTILE IRON TEE (RJ)	2,8	EA	1		1	
W-46	COT 312	8 INCH X 8 INCH DUCTILE IRON TEE (RJ)	2,8	EA	1		1	
W-47	COT 312	6 INCH DUCTILE IRON 90 DEGREE BEND (RJ)	2,8	EA	2		2	
W-48	COT 312	8 INCH X 6 INCH REDUCER	2,8	EA	4	3	1	
W-49	COT 312A	8 INCH HDPE 45 DEGREE BEND (DIPS)	-	EA	15	13	2	
W-50	COT 312A	8 INCH X 8 INCH HDPE TEE (DIPS)	20	EA	2		2	
W-51	COT 312A	8 INCH HDPE MJ ADAPTOR (DIPS) (RJ)	-	EA	4	3	1	
W-52	COT 312A	8 INCH HDPE MJ WALL ANCHOR (DIPS) (RJ)	26	EA	2	1	1	
W-53	COT 315	5/8 INCH WATER SERVICE CONNECTION (LONG)	13,15,16,17	EA	9	7	2	
W-54	COT 315	5/8 INCH WATER SERVICE CONNECTION (SHORT)	13,15,16,17	EA	11	7	4	
W-55	COT 315	5/8 INCH WATER SERVICE LINE EXTENSION	13,15,16,17	LF	25			
W-56	COT 315	3/4 INCH WATER SERVICE CONNECTION (SHORT)	13,15,16,17	EA	1		1	
W-57	COT 317	6 INCH GATE VALVE (RJ)	8	EA	3	2	1	
W-58	COT 318	VALVE BOX	21	EA	3	2	1	
W-59	COT 318	VALVE BOX EXTENSION	21	EA	3	2	1	

SUMMARY OF WATER METERS							
SHEET	ADDRESS	CUSTOMER NAME	STATION	OFFSET	SIZE	SERVICE	NOTES
74	1779 S XANTHUS AVE	DANNY AND JEANNIE GRAHAM	140+35	22' R	5/8"	SHORT	
	1780 S XANTHUS AVE	ST JOHN BLDG CORP	140+68	21' L	5/8"	LONG	
	1780 S XANTHUS AVE	ST JOHN BLDG CORP	140+69	19' L	5/8"	LONG	
	1774 S XANTHUS AVE	ST JOHN BLDG CORP	141+24	17' L	5/8"	LONG	
	1774 S XANTHUS AVE	ST JOHN BLDG CORP	141+26	17' L	5/8"	LONG	
	1775 S XANTHUS AVE	ST JOHN BLDG CORP	141+32	22' R	5/8"	SHORT	
	1771 S XANTHUS AVE	LANE PROPERTY HOLDING	141+35	22' R	5/8"	SHORT	
	1768 S XANTHUS AVE	ST JOHN BLDG CORP	141+91	17' L	5/8"	LONG	
	1767 S XANTHUS AVE	ST JOHN BLDG CORP	142+22	21' R	5/8"	SHORT	
	1764 S XANTHUS AVE	ST JOHN BLDG CORP	142+42	17' L	5/8"	LONG	
	1763 S XANTHUS AVE	MARTIN STEINMETZ	142+43	22' R	5/8"	SHORT	
	1757 S XANTHUS AVE	BETTINA DIRKS	143+11	21' R	5/8"	SHORT	
	1756 S XANTHUS AVE	ST JOHN BLDG CORP	143+41	15' L	5/8"	LONG	
	1753 S XANTHUS AVE	AHMET AND AMY OZTURK	143+62	23' R	5/8"	SHORT	
	1751 S XANTHUS AVE	LANE PROPERTY HOLDING	-	-	-	-	PREVIOUSLY ABANDONED
	1750 S XANTHUS AVE	ST JOHN BLDG CORP	144+11	15' L	-	-	ABANDON METER
	1747 S XANTHUS AVE	ST JOHN BLDG CORP	144+48	21' R	3/4"	SHORT	
75	1743 S XANTHUS AVE	SSM ST JOHN MINISTRY CORP	145+12	22' R	5/8"	SHORT	
	1738 S XANTHUS AVE	ROBERT DAY	145-27	15' L	5/8"	LONG	
	1739 S XANTHUS AVE	ST JOHN BLDG CORP	145+34	22' L	5/8"	SHORT	
	1736 S XANTHUS AVE*	GROUP M INVESTMENT INC	145-89	17' L	5/8"	LONG	
	1733 S XANTHUS AVE	ST JOHN BLDG CORP	146+18	21' R	5/8"	SHORT	
	1729 S XANTHUS AVE	MIDTOWN COTTAGES LLC	146+24	20' R	5/8"	SHORT	
	1732 S XANTHUS AVE	ST JOHN BLDG CORP	-	-	-	-	PREVIOUSLY ABANDONED

WATER VALVE AND HYDRANT SUMMARY							
SHEET	POINT NUMBER	DESCRIPTION	STATION	OFFSET	NORTHING	EASTING	INVERT
74	252	6" GATE VALVE, RJ	140+44.05	11.94' RT	419,552.31	2,569,839.98	710.83
	253	3-WAY FIRE HYDRANT	140+44.01	16.19' RT	419,552.31	2,569,844.23	710.83
	263	6" GATE VALVE, RJ	143+57.50	14.74' RT	419,865.76	2,569,839.67	714.44
	264	3-WAY FIRE HYDRANT	143+57.50	21.93' RT	419,865.84	2,569,846.87	714.44
75	267	6" GATE VALVE, RJ	146+74.79	20.61' RT	420,183.10	2,569,842.38	718.52
52	-	3-WAY FIRE HYDRANT	36+40.79	18.89' RT	424,095.33	2,569,156.94	-

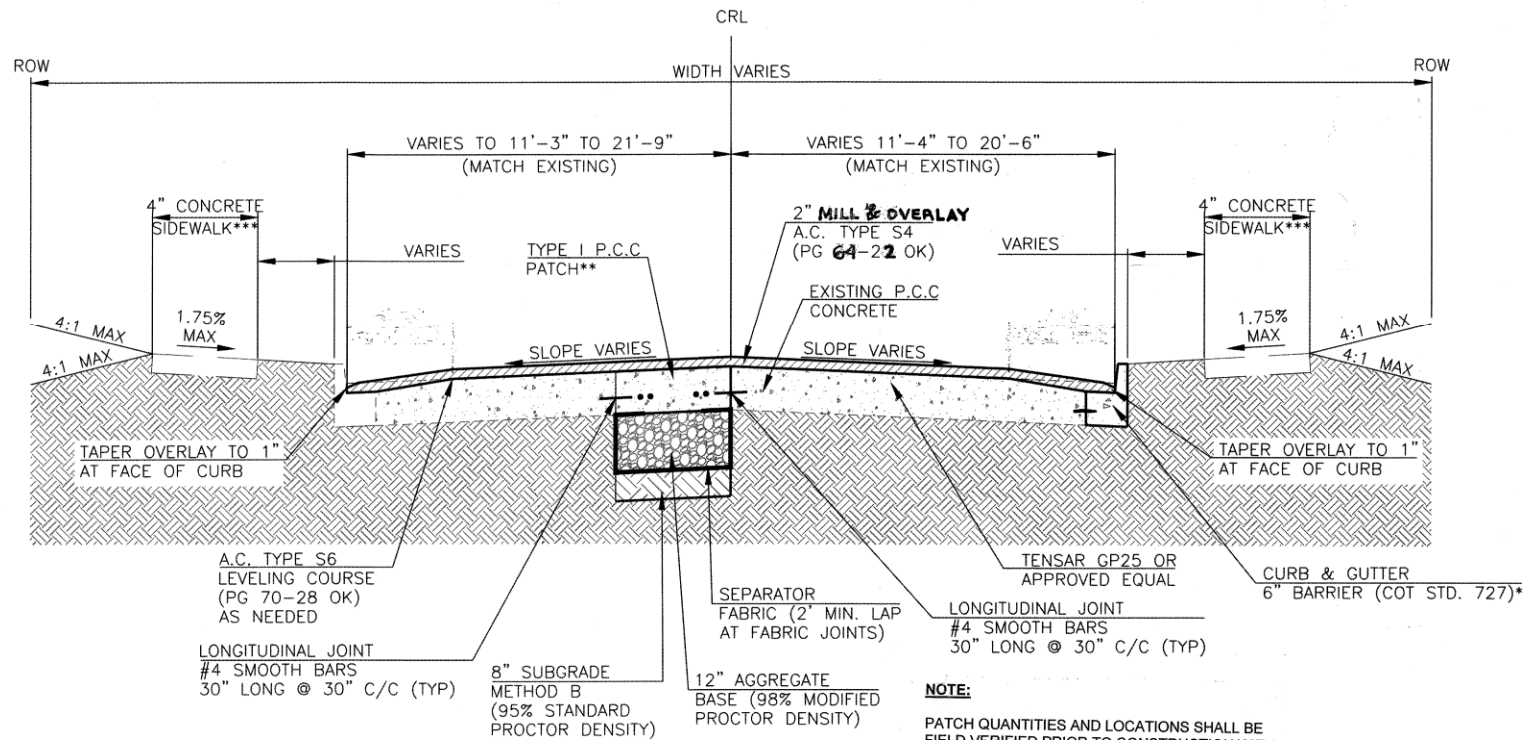
SUMMARY OF FITTINGS AND OTHER APPURTENANCES						
SHEET	POINT NUMBER	DESCRIPTION	STATION	OFFSET	INVERT	
74	245	8"X8" X6" TEE, RJ	139+70.02	3.36' RT	710.73	
	246	6" 45° BEND, RJ	139+78.66	3.29' RT	710.79	
	247	6" 45° BEND, RJ	139+80.66	3.27' RT	708.83	
	248	6" 45° BEND, RJ	139+87.39	10.10' RT	708.83	
	249	6" 45° BEND, RJ	140+31.38	10.10' RT	708.83	
	250	6" 45° BEND, RJ	140+33.32	10.10' RT	710.76	
	251	6"X6" X6" TEE, RJ	140+44.03	10.07' RT	710.83	
	254	6" 45° BEND, RJ	142+67.97	9.93' RT	713.4	
	255	6" 45° BEND, RJ	142+70.18	9.93' RT	711.52	
	256	6" 45° BEND, RJ	142+76.26	9.92' RT	711.52	
	257	6" 45° BEND, RJ	142+78.26	9.92' RT	711.52	
	258	6" 45° BEND, RJ	143+23.76	9.89' RT	714.05	
	259	6" 45° BEND, RJ	143+25.01	9.89' RT	712.79	
	260	6" 45° BEND, RJ	143+32.20	9.91' RT	712.79	
	261	6" 45° BEND, RJ	143+33.63	9.89' RT	714.16	
	262	6"X6" X6" TEE, RJ	143+57.54	9.89' RT	714.44	
75	265	6" 45° BEND, RJ	146+42.72	9.71' RT	722.81	
	266	6" 45° BEND, RJ	146+56.55	20.67' RT	718.52	
	268	6" 90° BEND, RJ	146+86.41	20.56' RT	718.52	
	269	6" 90° BEND, RJ	146+86.91	20.56' RT	723.05	
	270	6"X6" X6" TEE, RJ	146+88.41	20.55' RT	723.05	



WATERLINE SUMMARY TABLES			
PROJECT NO. 2036N4021Z TMUA-W 20-15			
NON-ARTERIAL STREET REHAB MAINTENANCE ZONE 4021			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT			
CEC Corporation 1300 S. Main Street Tulsa, OK 74137 (918) 663-9401			
REVISION	BY	DATE	APPROVED:
-	-	-	 DESIGN MANAGER DATE <u>01.30.26</u> SHEET 110F 102
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
PLAN SCALE:	DRAWN	T.C.B. 08/2021	APPROVED:
	DESIGNED	J.I.C. 08/2021	
	SURVEY	B.B. 11/2020	
PROFILE SCALES:	PROJ. MGR.	<u>AD D/2025</u>	
HORIZONTAL:	LEAD ENGR.	<u>CEW 12/25</u>	
	FIELD MGR.	<u>DM 12/15</u>	
VERTICAL:			
DRAWING: WATERLINE SUMMARY TABLES			
ATLAS PAGE NO: 03, 14			

PROJECT NO. 2036N4021Z, TMUA-W 20-15

PLOT DATE: July 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021 IOT2\PRODUCTION DRAWINGS\4021 IOT TYPICAL SECTIONS.DWG



NOTE: WHEN CONNECTING TO EXISTING PAVEMENT, 10' MINIMUM TRANSITION FROM EDGE MILL TO 2" MILL AND OVERLAY TO PROVIDE SMOOTH CONNECTION TO THE EXISTING PAVEMENT

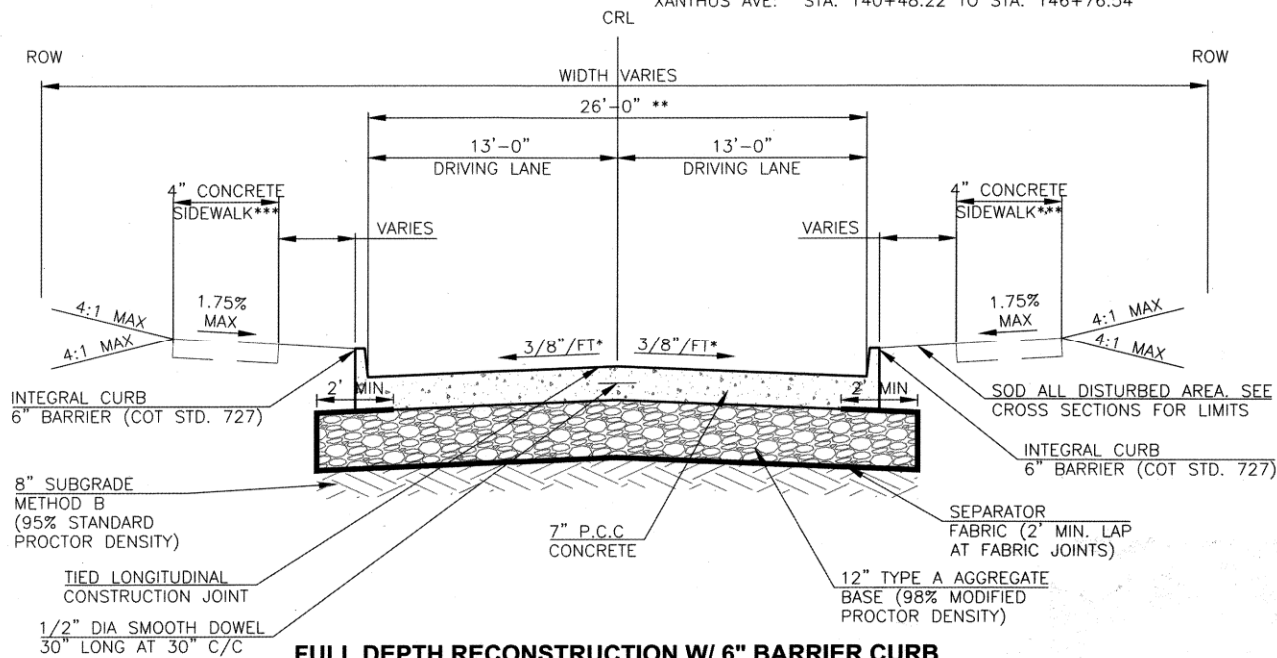
CONCRETE REHABILITATION

- *SEE PLAN SHEETS FOR CURB LOCATIONS
- **SEE PLAN SHEETS FOR PATCHING LOCATIONS
- ***SEE PLAN SHEETS FOR SIDEWALK LOCATIONS

12TH ST: STA. 10+59.78 TO STA. 23+23.03
VICTOR AVE: STA. 30+13.14 TO STA. 34+05.96
WHEELING AVE: STA. 41+82.15 TO STA. 46+44.62
17TH STREET: STA. 89+18.22 TO STA. 92+36.38
XANTHUS AVE: STA. 140+48.22 TO STA. 146+76.54

NOTE: PATCH QUANTITIES AND LOCATIONS SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION WITH FIELD AND DESIGN ENGINEERING.

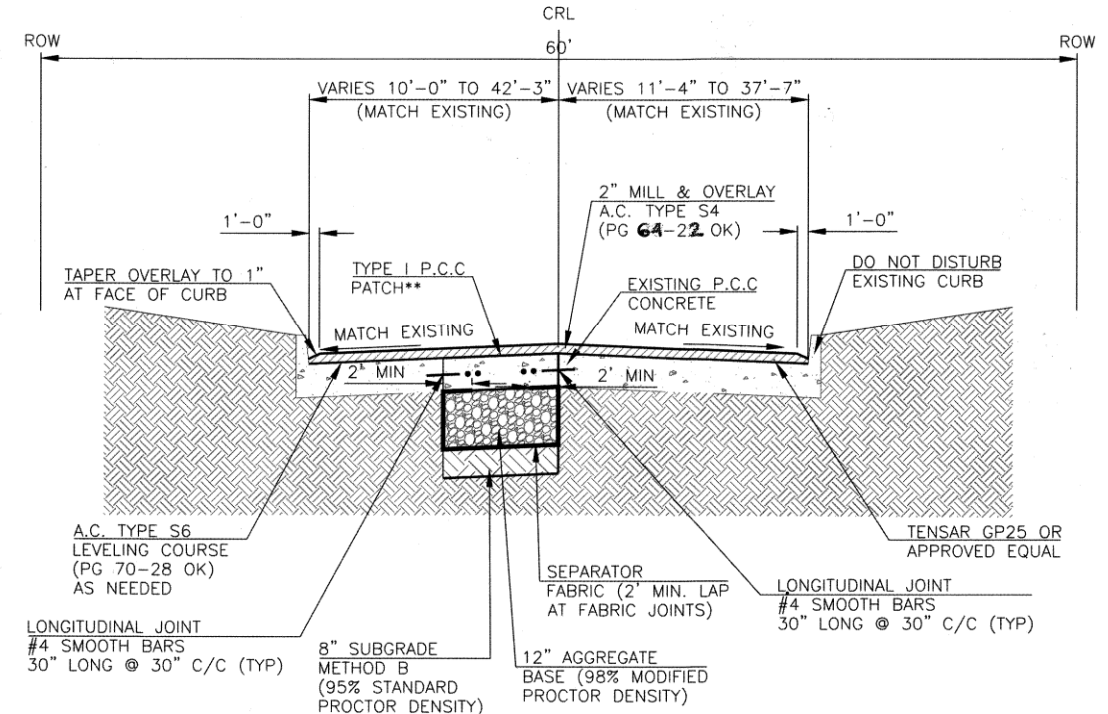
NOTE: IN INSTANCES WHERE THE EDGE MILL AND OVERLAY TYPICAL SECTION MEETS THE RECONSTRUCTION TYPICAL SECTION, THE RECONSTRUCTION SECTION WILL MATCH THE PROFILE AND CROSS SLOPE CREATED BY THE EDGE MILL AND OVERLAY TYPICAL SECTION, THEN TRANSITION TO THE TYPICAL CROSS SLOPE OVER 25' TO PROVIDE A SMOOTH TRANSITION.



FULL DEPTH RECONSTRUCTION W/ 6" BARRIER CURB

- *SLOPE VARIES SEE PLANS AND CROSS SECTIONS
- **SEE PLANS FOR VARYING WIDTH
- ***SEE PLANS FOR SIDEWALK LOCATIONS

VICTOR AVE: STA. 34+05.96 TO STA. 36+49.87
WHEELING AVE: STA. 40+25.13 TO STA. 41+82.15
17TH PLACE: STA. 100+39.29 TO STA. 102+97.15
19TH STREET: STA. 130+77.83 TO STA. 133+82.99



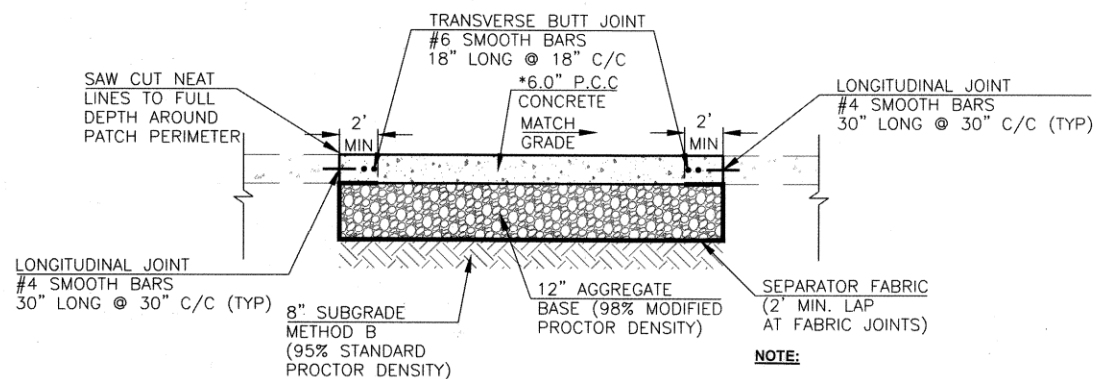
NOTE:

PATCH QUANTITIES AND LOCATIONS SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION WITH FIELD AND DESIGN ENGINEERING.

CONCRETE REHABILITATION SECTION

**SEE PLAN SHEETS FOR PATCHING LOCATIONS

WHEELING AVE: STA. 50+13.27 TO STA. 56+42.92
XANTHUS AVE: STA. 60+24.83 TO STA. 66+46.49
STA. 70+13.19 TO STA. 76+26.20
17TH STREET: STA. 81+86.95 TO STA. 89+18.22
17TH PLACE: STA. 105+20.88 TO STA. 115+49.67
19TH STREET: STA. 120+27.94 TO STA. 123+17.64
STA. 124+64.91 TO STA. 127+18.29



TYPE 1 PCC PATCH DETAIL

*MATCH EXISTING THICKNESS IF GREATER THAN 6 INCHES
SUBGRADE METHOD B, AGGREGATE BASE, AND SEPARATOR FABRIC SHALL BE PAID FOR AS SEPARATE ITEMS.



TYPICAL SECTIONS (1 OF 3)

PROJECT NO. 2036N4021Z

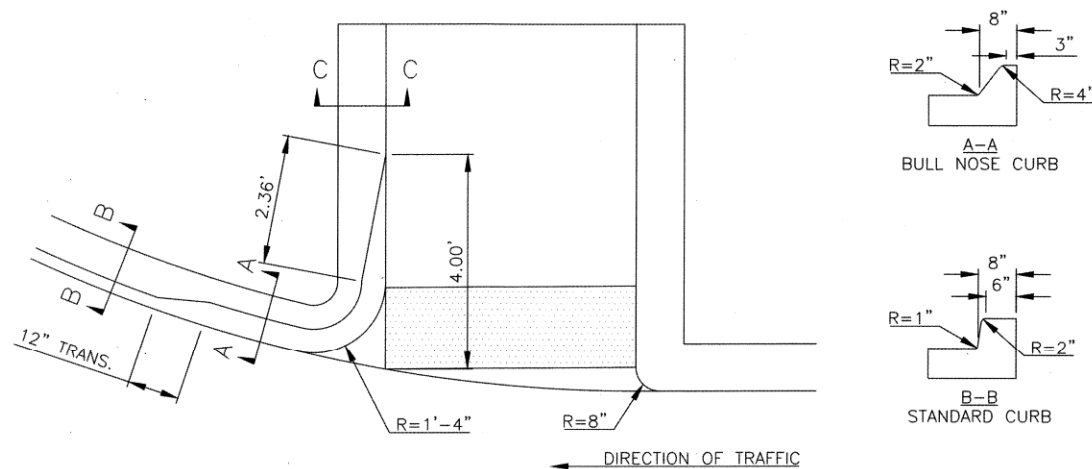
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

CEC Corporation
1300 S. Main Street Tulsa, OK 74137
(918) 663-9401

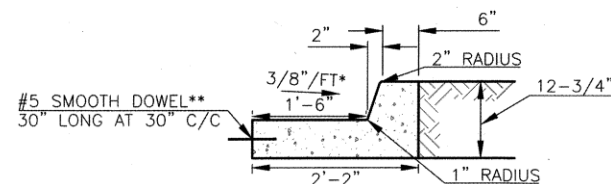
REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:
-	-	-	DESIGNED	J.L.C.	7/2025		
-	-	-	SURVEY	B.B.	11/2020		
-	-	-	PROFILE SCALES:	PROJ. MGR.	SWM	10/25	
-	-	-	HORIZONTAL:	LEAD ENGR.	D	10/25	
-	-	-	VERTICAL:	FIELD MGR.	SWM	10/25	
-	-	-	DRAWING:	4021 IOT TYPICAL SECTIONS			
-	-	-	ATLAS PAGE NO:	3, 14			

SHEET 12 OF 102



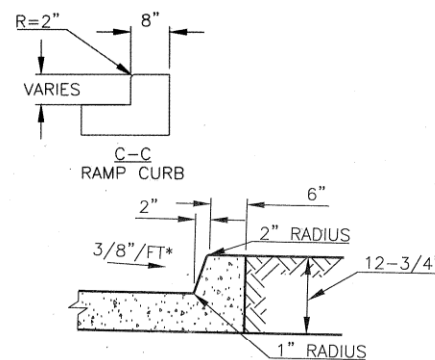
TYPE B CURB RAMP MODIFICATION DETAIL

N.T.S.



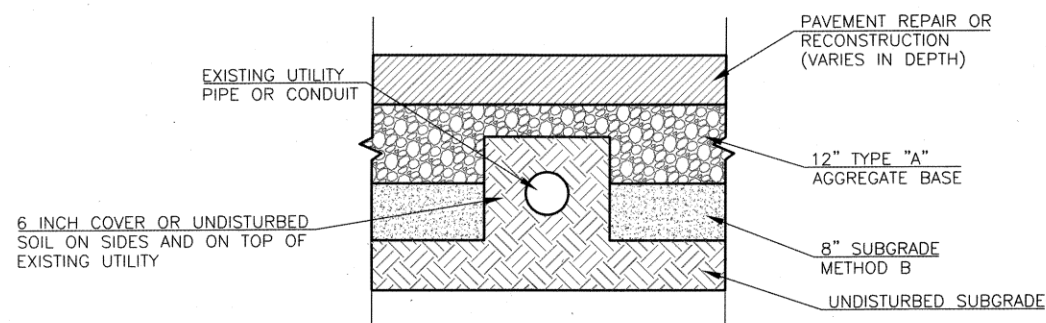
CURB AND GUTTER DETAIL

6" BARRIER CURB
*SLOPE VARIES SEE PLANS AND CROSS SECTIONS
**DOWEL BARS ONLY REQUIRED IN APC MILL AND OVERLAY SECTIONS



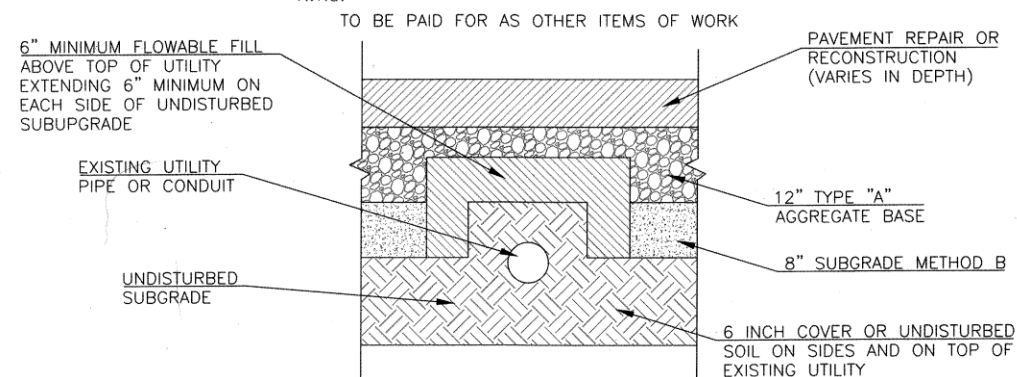
INTEGRAL CURB DETAIL

6" BARRIER CURB



PROTECT IN PLACE UTILITY LINE DETAIL #1

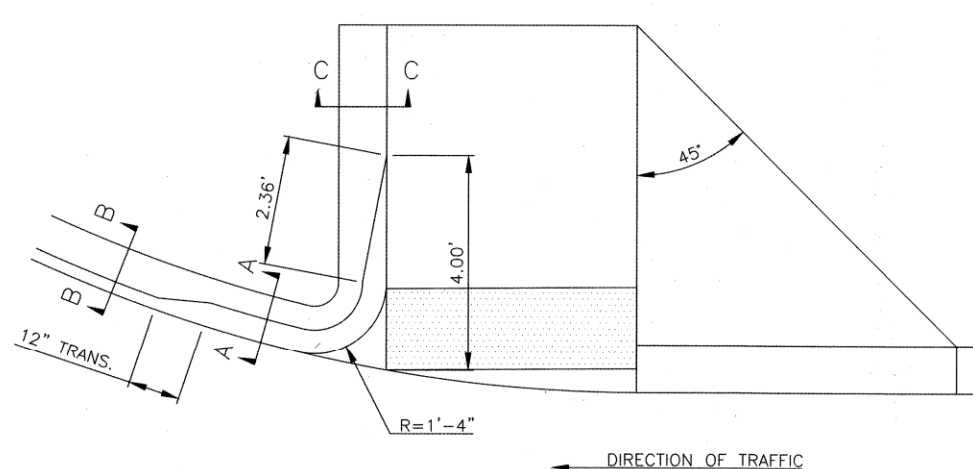
N.T.S.



PROTECT IN PLACE UTILITY LINE DETAIL #2

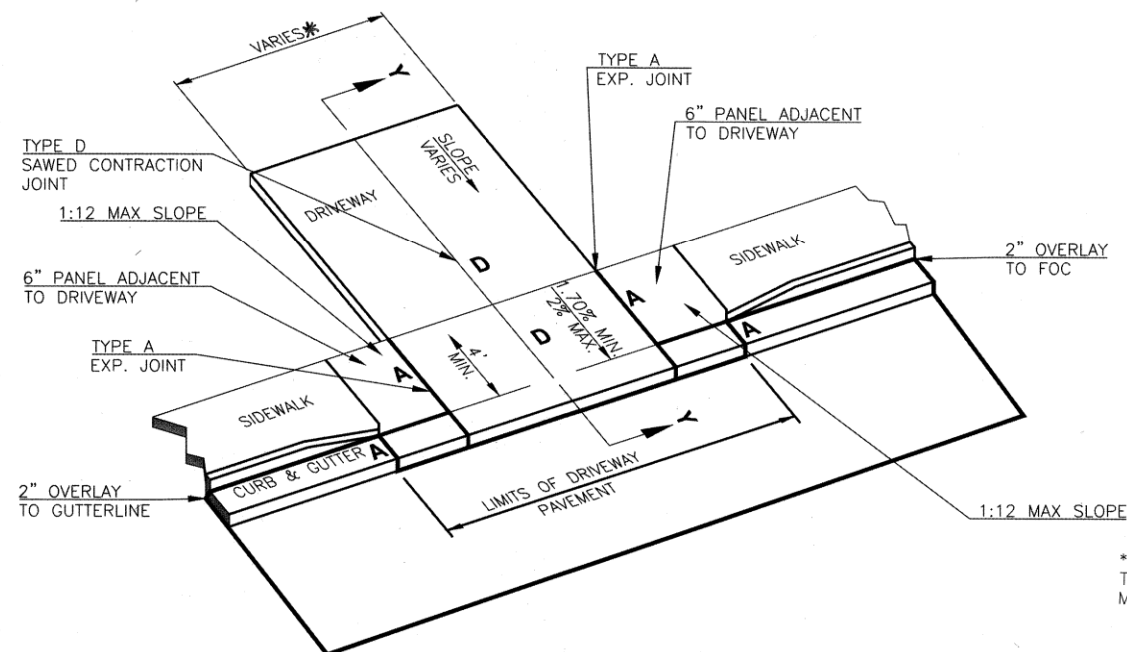
N.T.S.

TO BE PAID FOR AS OTHER ITEMS OF WORK

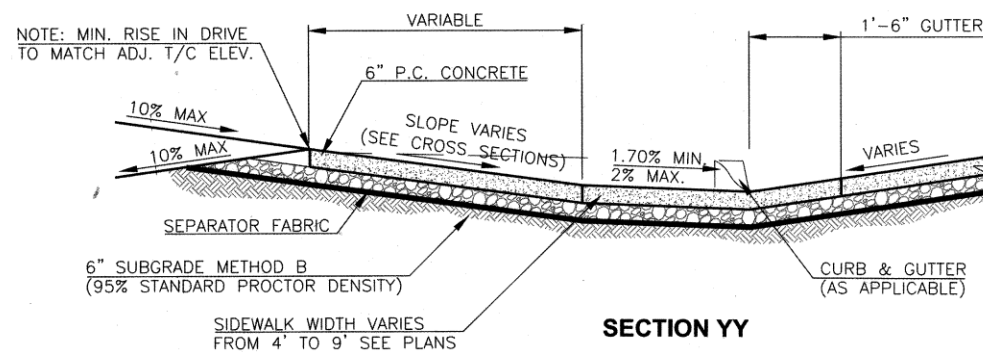


TYPE AB CURB RAMP MODIFICATION DETAIL

N.T.S.



CURBED FULL RECONSTRUCT ONLY WITH SIDEWALK DIRECTLY BEHIND CURB



SECTION YY
6" P.C. CONCRETE DRIVEWAY

DRIVEWAY DETAILS

N.T.S.

CITY STREET RETURNS SHALL BE REPLACED TO FULL
DEPTH OF ARTERIAL TYPICAL SECTION.

TYPE D SAWED CONTRACTION JOINT REQUIRED THROUGH CENTER FOR DRIVES 15' WIDE & OVER. SAW CUT 2" DEEP AND FILL WITH BACKER ROD AND SILICONE SEALANT.

* DRIVEWAY WIDTH SHALL BE EQUAL TO OR GREATER THAN THE WIDTH OF THE EXISTING DRIVEWAY. WIDTH SHALL BE MEASURED FROM EDGE OF PAVEMENT OR FACE OF CURB



TYPICAL SECTIONS (2 OF 3)

PROJECT NO. 2036N4021Z

NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT



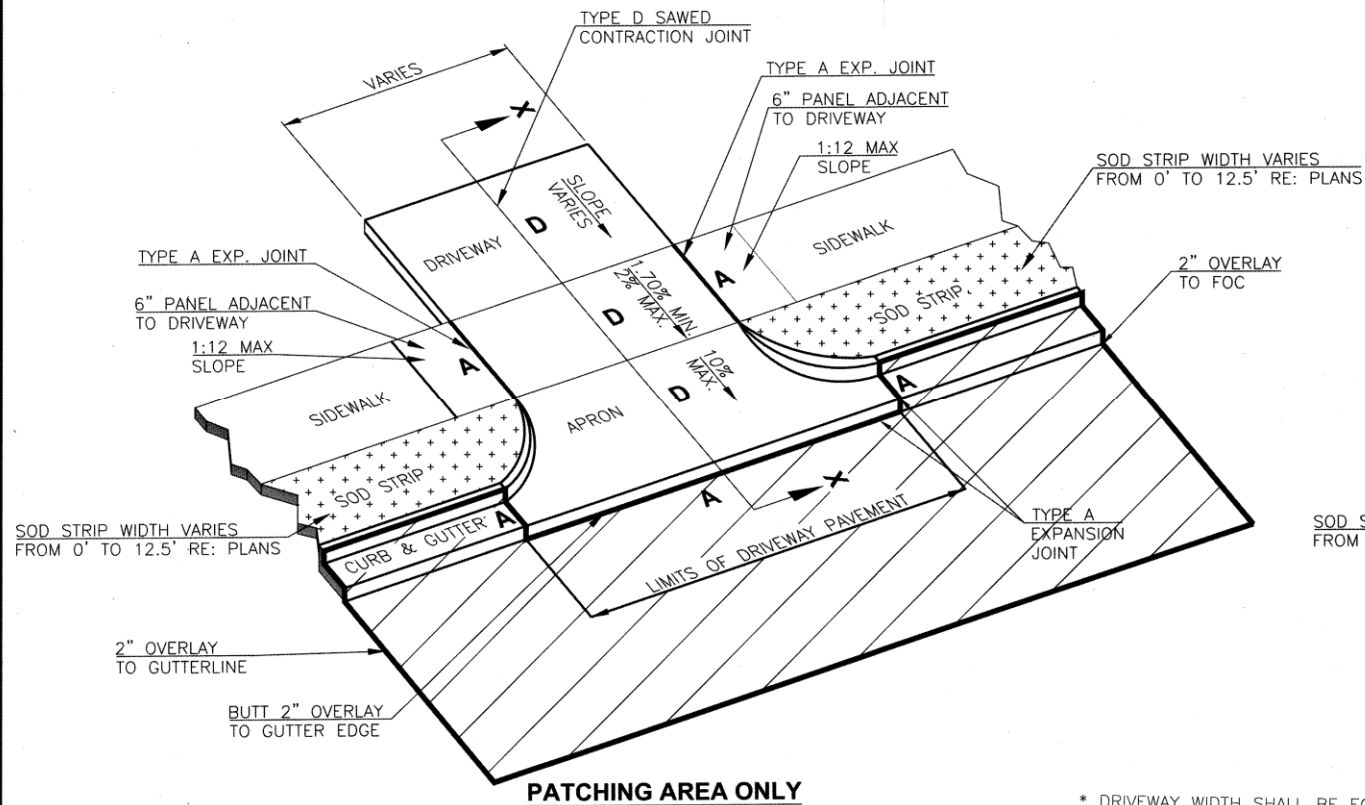
CEC **CEC Corporation**
1300 S. Main Street Tulsa, OK 74137
(918) 663-9401

REVISION			PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:
-	-	-		DESIGNED	J.L.C.	7/2025	
-	-	-		SURVEY	B.B.	11/2020	
-	-	-	PROFILE SCALES:	PROJ. MGR.	SHW	10/25	
-	-	-	HORIZONTAL:	LEAD ENGR.	DJ	11/25	 DESIGN MANAGER
-	-	-		FIELD MGR.	Ben	12/25	
-	-	-	VERTICAL	HAS 01-26			
-	-	-	DRAWING: 4021 IOT TYPICAL SECTIONS				
-	-	-	ATLAS PAGE NO: 3, 14				DATE 01.30.26
-	-	-					SHEET 13 OF 102

DRAWING: 4021 IOT TYPICAL SECTIONS
ATLAS PAGE NO: 3. 14

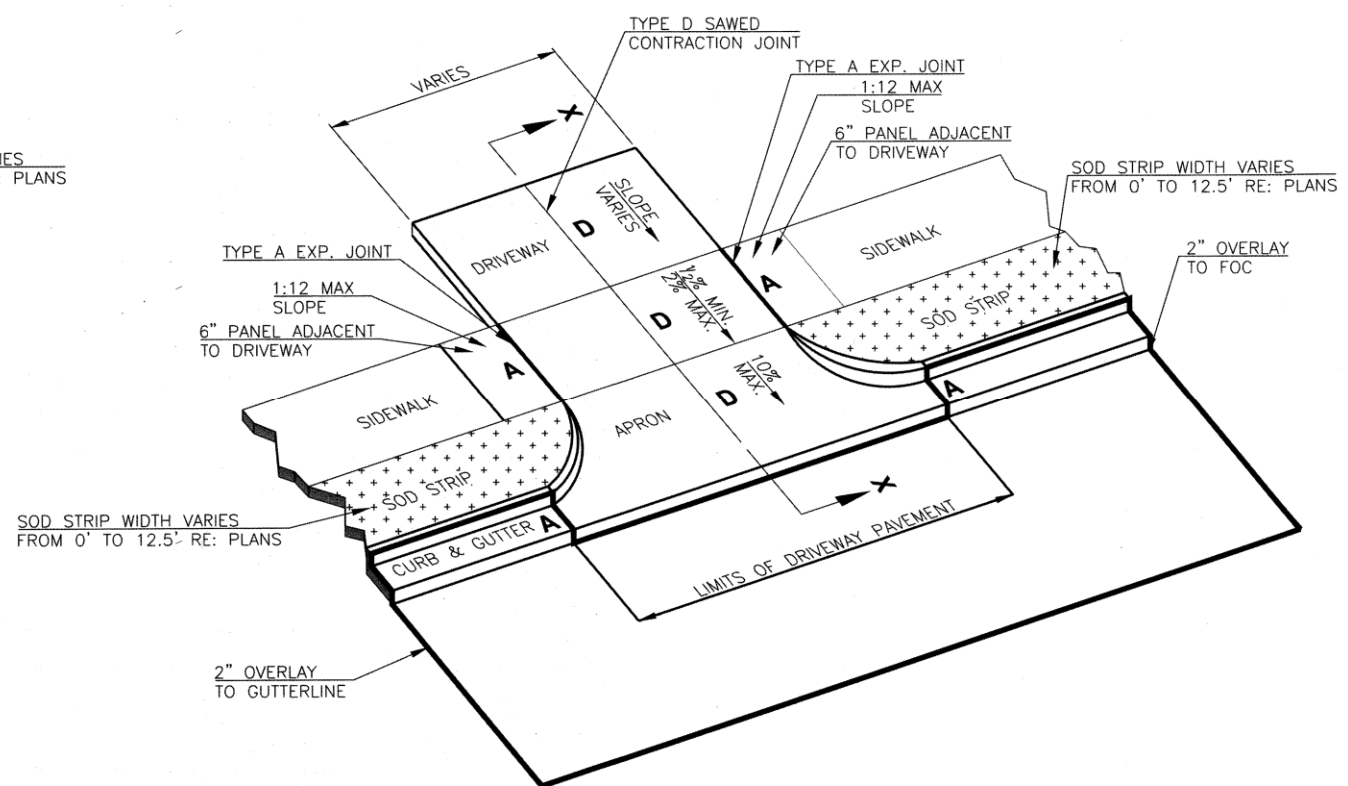
DATE 01.30.26
SHEET 13 OF 102

PLOT DATE: JULY 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021 IOT2\PRODUCTION DRAWINGS\4021 IOT TYPICAL SECTIONS.DWG

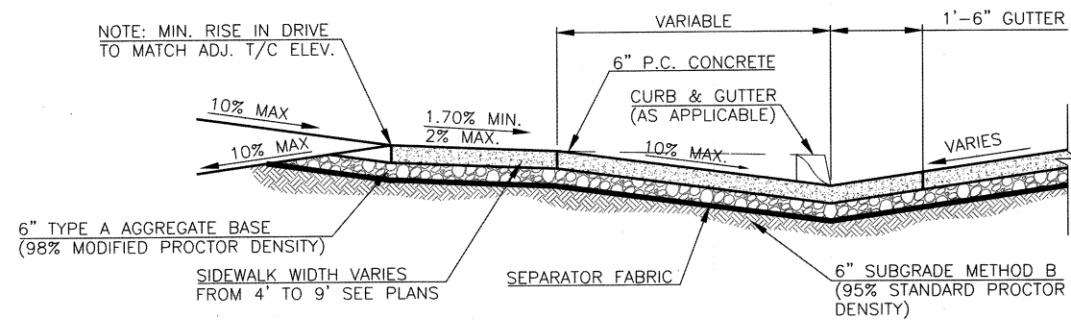


PATCHING AREA ONLY

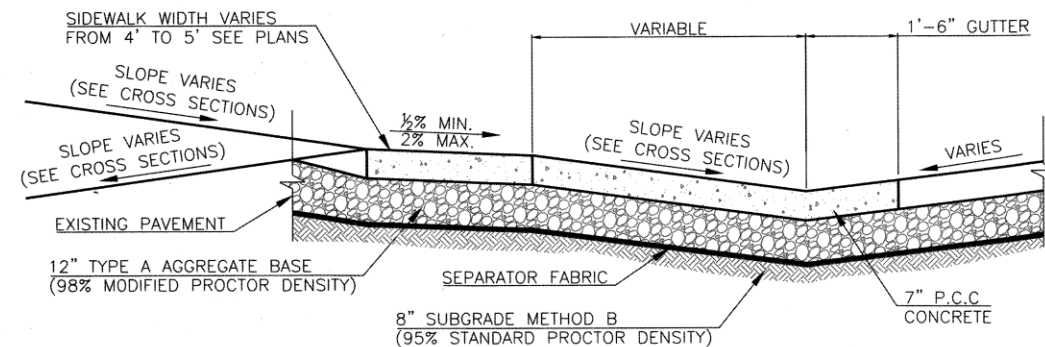
* DRIVEWAY WIDTH SHALL BE EQUAL TO OR GREATER THAN THE WIDTH OF THE EXISTING DRIVEWAY. WIDTH SHALL BE MEASURED FROM EDGE OF PAVEMENT OR FACE OF CURB



CURBED FULL RECONSTRUCT ONLY



SECTION XX
6" P.C. CONCRETE DRIVEWAY

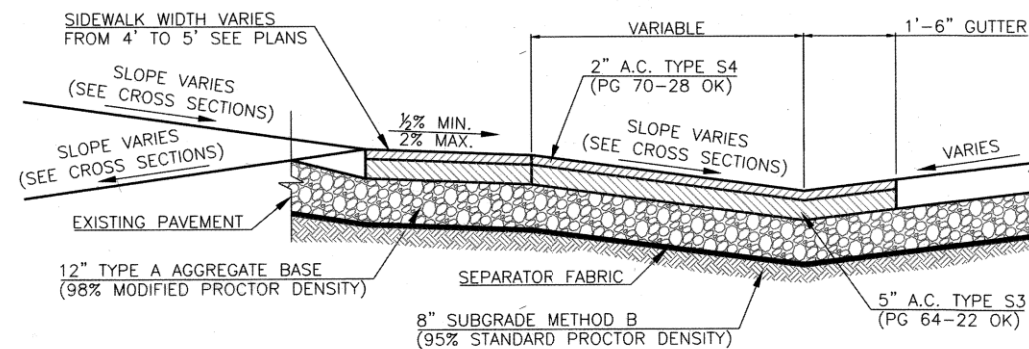


SECTION XX
P.C.C. STREET RETURN

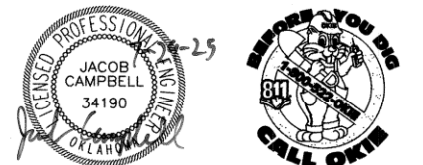
DRIVEWAY DETAILS
N.T.S.

CITY STREET RETURNS SHALL BE REPLACED TO FULL DEPTH OF ARTERIAL TYPICAL SECTION.

TYPE D SAWED CONTRACTION JOINT REQUIRED THROUGH CENTER FOR DRIVES 15' WIDE & OVER. SAW CUT 2" DEEP AND FILL WITH BACKER ROD AND SILICONE SEALANT.

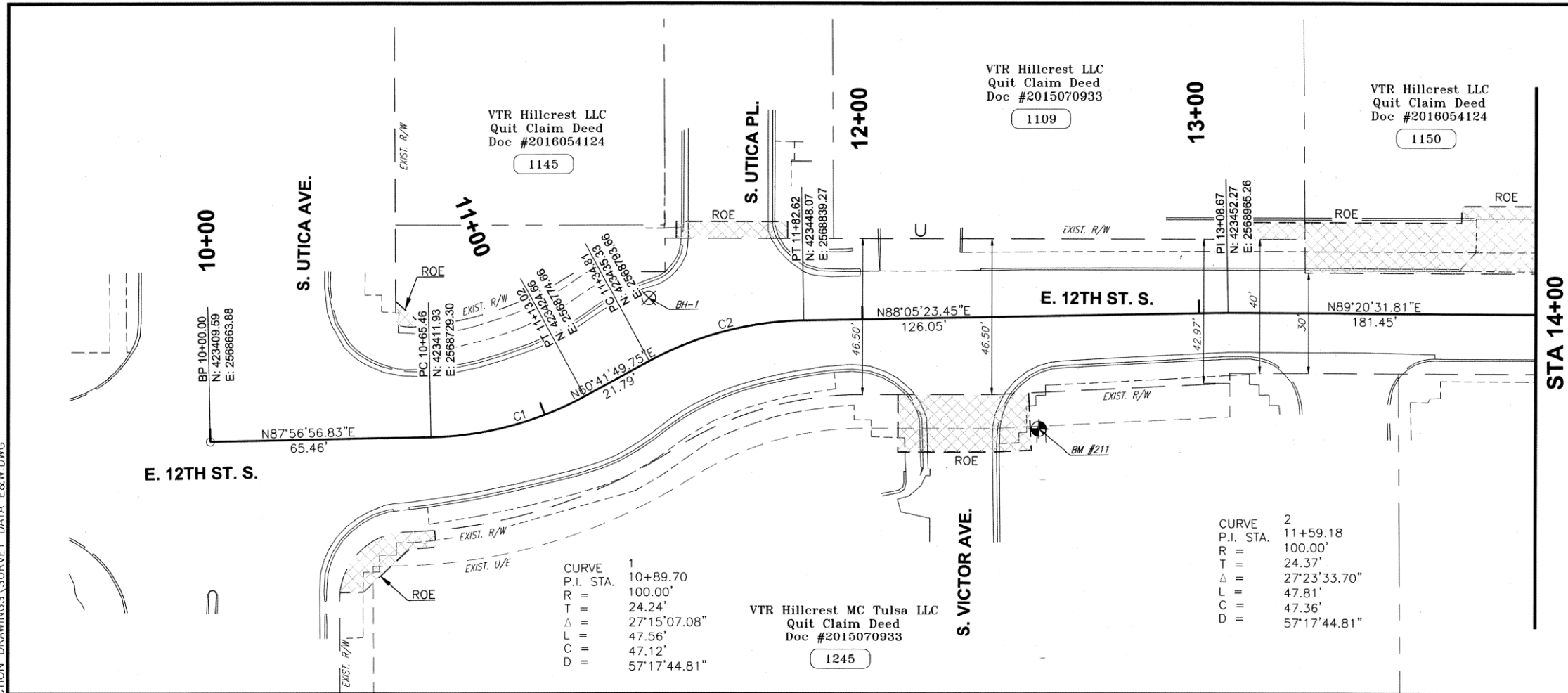


SECTION XX
A.C. STREET RETURN



TYPICAL SECTIONS (3 OF 3)			
PROJECT NO. 2036N4021Z			
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT			
 CEC 1300 S. Main Street Tulsa, OK 74137 (918) 663-9401			
PLAN SCALE:	DRAWN	J.L.C. 7/2025	APPROVED:
	DESIGNED	J.L.C. 7/2025	
	SURVEY	B.B. 11/2020	
PROFILE SCALES:	PROJ. MGR.	<i>SMW</i> 10/25	 DESIGN MANAGER
HORIZONTAL:	LEAD ENGR.	 11/15	
	FIELD MGR.	<i>Bm</i> 12/15	
VERTICAL			
		<i>HAS OF 26</i>	
DRAWING: 4021 IOT TYPICAL SECTIONS			DATE <i>01.30.26</i>
ATLAS PAGE NO: 3, 14			SHEET 14 OF 102

PLOT DATE: July 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021\02\PRODUCTION DRAWINGS\SURVEY DATA E&W.DWG



LEGEND	
	BORE HOLE LOCATION
	BENCHMARK LOCATION
	PROPOSED RIGHT OF ENTRY

BENCHMARK TABLE				
BM 209	423484.5	2569193.2	741.82	BM SET 5/8IP FLUSH
BM 211	423417.0	2568909.4	749.01	BM SET CUT X ON NW COR OF CONC PAD

PREPARED BY:
ISAACS SURVEYING SERVICE

5 W. 42ND STREET
SAND SPRINGS, OK 74063
(918) 245-0456

RESPONSIBLE FOR
BOUNDARY SURVEY *Russell D. Lambillotte*
DATE 7/15/25 **RUSSELL D. LAMBILLOTTE**
OKLAHOMA REG. NO. 1555

REGISTERED LAND SURVEYOR
RUSSELL D. LAMBILLOTTE
1555
OKLAHOMA

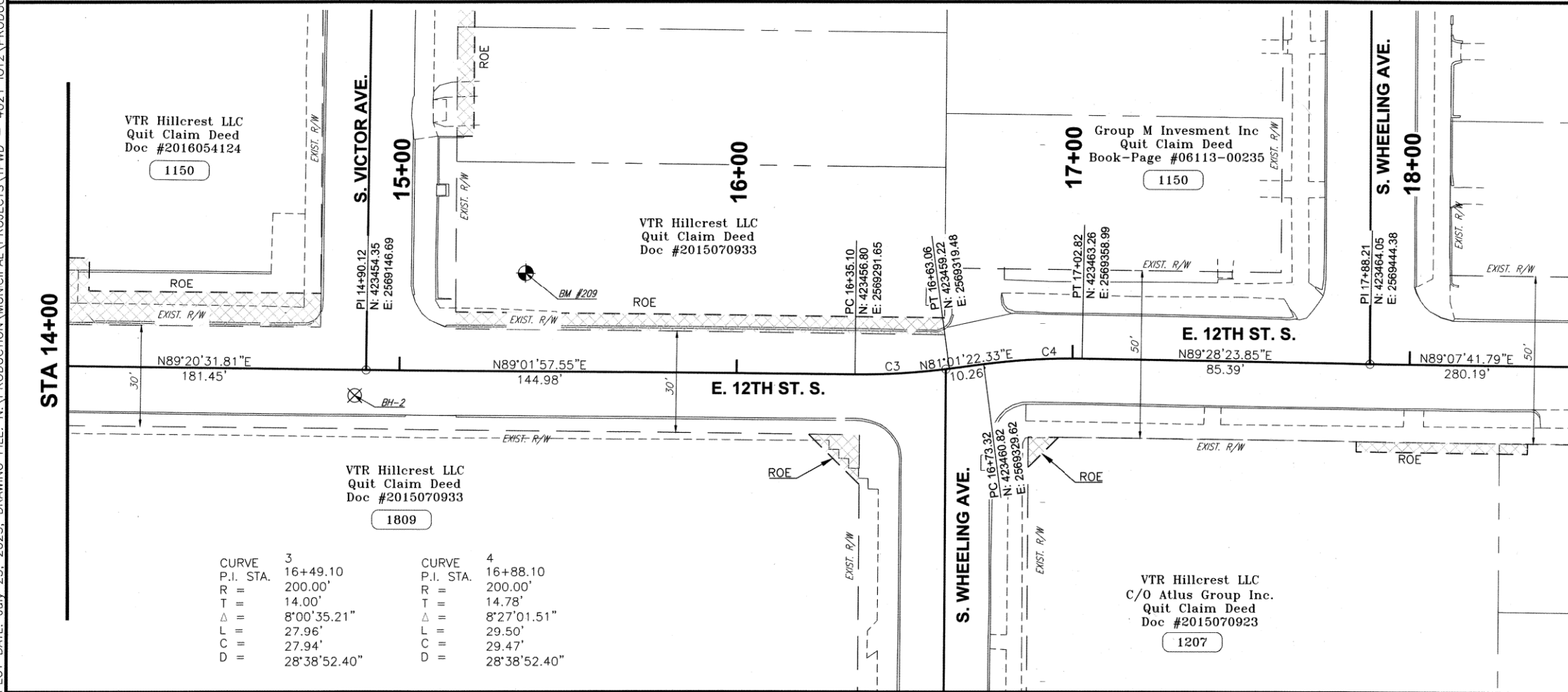
PREPARED BY:
CEC CORPORATION

4555 W. MEMORIAL ROAD
OKLAHOMA CITY, OK 73142-2013
(405) 753-4200

DATE 7/15/25 *Darren M. Smith*
DARREN M. SMITH, P.L.S.
OKLAHOMA REG. NO. 1552

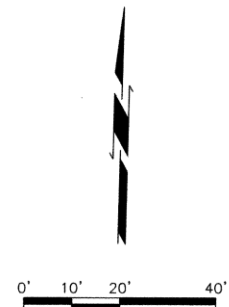
REGISTERED PROFESSIONAL LAND SURVEYOR
DARREN M. SMITH
1552
OKLAHOMA

SURVEYOR'S CERTIFICATION:
I HEREBY CERTIFY THAT THE HORIZONTAL AND VERTICAL CONTROL FOR THIS PROJECT WERE BASED UPON THE TULSA COUNTY ADS CONTROL NETWORK AND THAT THE VALUES SHOWN MEET SECOND ORDER CLASS II HORIZONTAL (1:20,000) AND THIRD ORDER VERTICAL (1:5,000) STANDARDS. AT A MINIMUM.



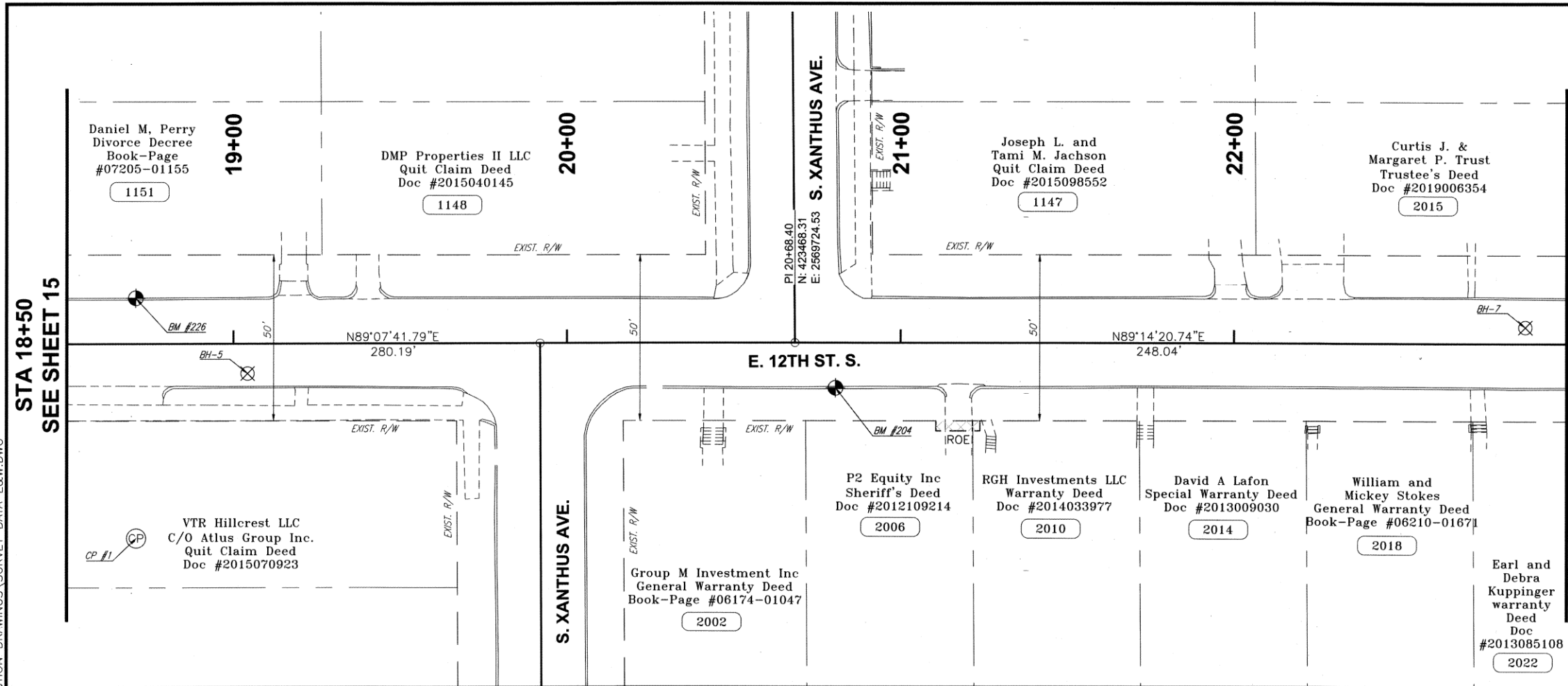
SURVEY CONTROL DATA

- HORIZONTAL DATUM IS TIED TO CITY OF TULSA SURVEY CONTROL MONUMENT # 503 WHICH IS ADJUSTED TO THE OKLAHOMA STATE PLANE NAD 83 (1993) COORDINATE SYSTEM, NORTH ZONE, U.S. SURVEY FEET, PER MONUMENT #503 DATA SHEET.
- BEARINGS:
THE BEARINGS SHOWN HEREIN OR HEREON ARE GRID BEARINGS DERIVED FROM THE USC & GS OKLAHOMA PLANE COORDINATE SYSTEM AND ARE NOT ASTRONOMICAL.
- VERTICAL CONTROLS:
A. LEVEL DATUM IS NGS, NAVD 88, PER CITY OF TULSA SURVEY CONTROL MONUMENT # 503 AND ADJUSTED FROM PRIMARY CONTROL UTILIZING DIFFERENTIAL LEVELING TECHNIQUES.
B. ACCURACY - 3RD ORDER OR BETTER



12TH ST. SURVEY DATA (1 OF 2)				
PROJECT NO. 2036N4021Z				
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021				
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT				
CEC Corporation 1300 S. Main Street Tulsa, OK 74137 (918) 663-9401				
REVISION	BY	DATE	PLAN SCALE:	DRAWN
-	-	-	1" = 20'	J.L.C. 7/2025
-	-	-	DESIGNED	J.L.C. 7/2025
-	-	-	SURVEY	B.B. 11/2020
-	-	-	PROFILE SCALES:	PROJ. MGR. <i>SWM</i> 10/25
-	-	-	HORIZONTAL:	LEAD ENGR. <i>SWM</i> 10/25
-	-	-	N/A	FIELD MGR. <i>SWM</i> 10/25
-	-	-	VERTICAL:	N/A
-	-	-	DRAWING: SURVEY DATA E&W.DWG	DATE <u>07-20-26</u>
-	-	-	ATLAS PAGE NO: 3, 14	SHEET 15 OF 102

PLOT DATE: JULY 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021\DOT2\PRODUCTION DRAWINGS\SURVEY DATA E&W.DWG



LEGEND

- ☒ BORE HOLE LOCATION
- ⊙ BENCHMARK LOCATION
- ▨ PROPOSED RIGHT OF ENTRY

PREPARED BY:
ISAACS SURVEYING SERVICE

5 W. 42ND STREET
SAND SPRINGS, OK 74063
(918) 245-0456

RESPONSIBLE FOR
BOUNDARY SURVEY

DATE 7/25/25

RUSSELL D. LAMBLOTTE
OKLAHOMA REG. NO. 1555

REGISTERED LAND SURVEYOR
RUSSELL D. LAMBLOTTE
1555
OKLAHOMA

PREPARED BY:
CEC CORPORATION

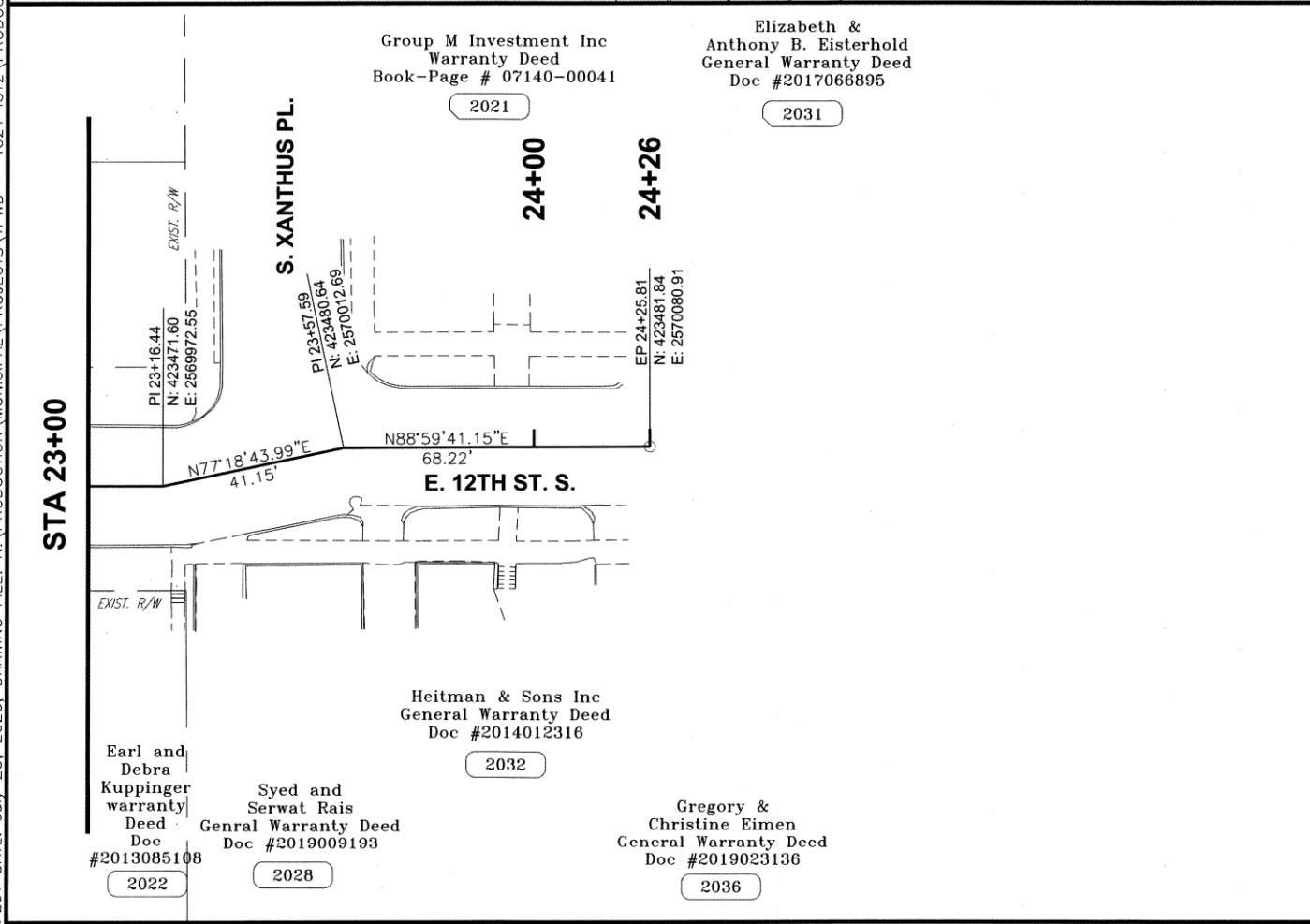
4555 W. MEMORIAL ROAD
OKLAHOMA CITY, OK 73142-2013
(405) 753-4200

DATE 7/25/25

DARREN M. SMITH, P.L.S.
OKLAHOMA REG. NO. 1552

PROFESSIONAL LAND SURVEYOR
DARREN M. SMITH
1552
OKLAHOMA

SURVEYOR'S CERTIFICATION:
I HEREBY CERTIFY THAT THE HORIZONTAL AND VERTICAL CONTROL FOR THIS PROJECT WERE BASED UPON THE TULSA COUNTY ADS CONTROL NETWORK AND THAT THE VALUES SHOWN MEET SECOND ORDER CLASS II HORIZONTAL (1:20,000) AND THIRD ORDER VERTICAL (1:5,000) STANDARDS. AT A MINIMUM.



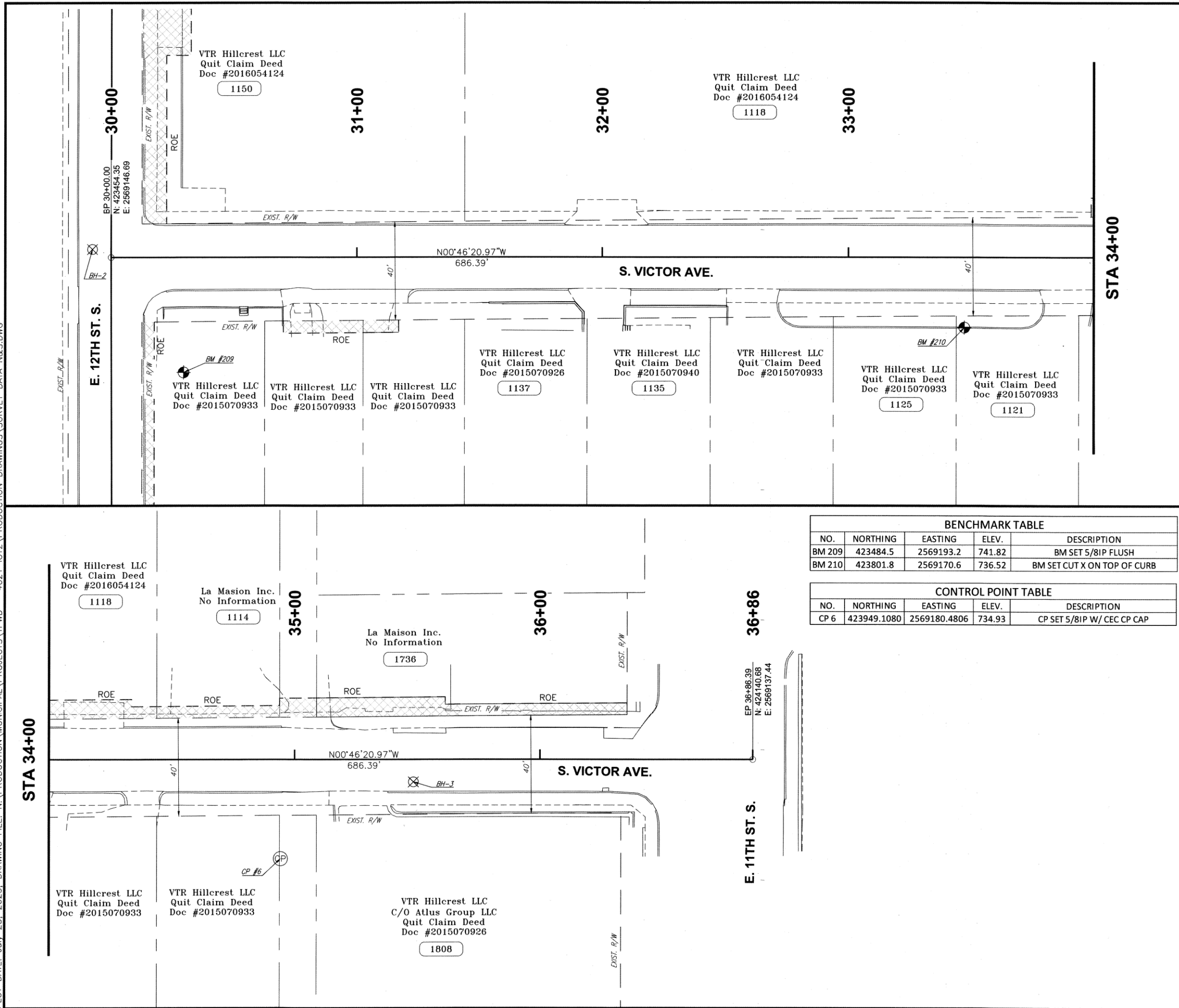
BENCHMARK TABLE				
BM 204	423454.9	2569736.9	753.07	BM SET CUT X IN TOP OF CURB
BM 226	423479.0	2569526.6	746.84	BM SET CUT X ON TOP OF CURB

CONTROL POINT TABLE				
CP 1	423407.0145	2569527.8467	749.617	CP HERE SET 5/8" IP/CEC CAP

- SURVEY CONTROL DATA**
- HORIZONTAL DATUM IS TIED TO CITY OF TULSA SURVEY CONTROL MONUMENT # 503 WHICH IS ADJUSTED TO THE OKLAHOMA STATE PLANE NAD 83 (1993) COORDINATE SYSTEM, NORTH ZONE, U.S. SURVEY FEET, PER MONUMENT #503 DATA SHEET.
 - BEARINGS:
THE BEARINGS SHOWN HEREIN OR HEREON ARE GRID BEARINGS DERIVED FROM THE USC & GS OKLAHOMA PLANE COORDINATE SYSTEM AND ARE NOT ASTRONOMICAL.
 - VERTICAL CONTROLS:
A. LEVEL DATUM IS NGS, NAVD 88, PER CITY OF TULSA SURVEY CONTROL MONUMENT # 503 AND ADJUSTED FROM PRIMARY CONTROL UTILIZING DIFFERENTIAL LEVELING TECHNIQUES.
B. ACCURACY - 3RD ORDER OR BETTER



PLOT DATE: July 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021\012\PRODUCTION DRAWINGS\SURVEY DATA N&S.DWG



LEGEND

- ☒ BORE HOLE LOCATION
- ⊙ BENCHMARK LOCATION
- ▨ PROPOSED RIGHT OF ENTRY

PREPARED BY:
ISAACS SURVEYING SERVICE

5 W. 42ND STREET
SAND SPRINGS, OK 74063
(918) 245-0456

RESPONSIBLE FOR
BOUNDARY SURVEY

DATE: 7/29/25
RUSSELL D. LAMBLOTTE
OKLAHOMA REG. NO. 1555

PREPARED BY:
CEC CORPORATION

4555 W. MEMORIAL ROAD
OKLAHOMA CITY, OK 73142-2013
(405) 753-4200

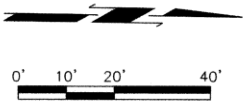
DATE: 7/25/25
DARREN M. SMITH, P.L.S.
OKLAHOMA REG. NO. 1552

SURVEYOR'S CERTIFICATION:
I HEREBY CERTIFY THAT THE HORIZONTAL AND VERTICAL CONTROL FOR THIS PROJECT WERE BASED UPON THE TULSA COUNTY ADS CONTROL NETWORK AND THAT THE VALUES SHOWN MEET SECOND ORDER CLASS II HORIZONTAL (1:20,000) AND THIRD ORDER VERTICAL (1:5,000) STANDARDS, AT A MINIMUM.

BENCHMARK TABLE				
NO.	NORTHING	EASTING	ELEV.	DESCRIPTION
BM 209	423484.5	2569193.2	741.82	BM SET 5/8IP FLUSH
BM 210	423801.8	2569170.6	736.52	BM SET CUT X ON TOP OF CURB

CONTROL POINT TABLE				
NO.	NORTHING	EASTING	ELEV.	DESCRIPTION
CP 6	423949.1080	2569180.4806	734.93	CP SET 5/8IP W/ CEC CP CAP

- SURVEY CONTROL DATA**
- HORIZONTAL DATUM IS TIED TO CITY OF TULSA SURVEY CONTROL MONUMENT # 503 WHICH IS ADJUSTED TO THE OKLAHOMA STATE PLANE NAD 83 (1993) COORDINATE SYSTEM, NORTH ZONE, U.S. SURVEY FEET, PER MONUMENT #503 DATA SHEET.
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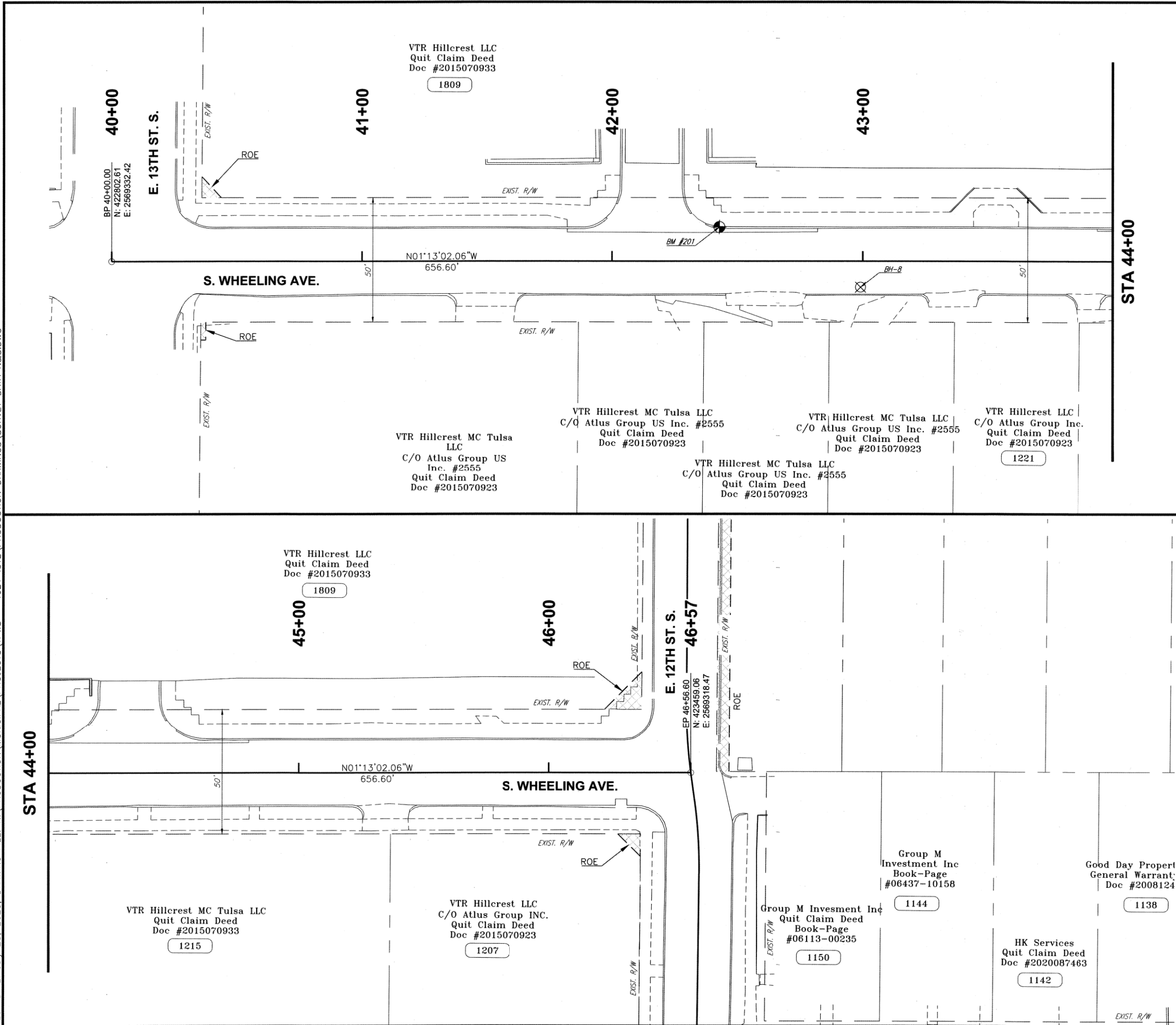


REVISION					BY	DATE	PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:
-	-	-	-	-	-	-	1" = 20'	DESIGNED	J.L.C.	7/2025	-
-	-	-	-	-	-	-	SURVEY	B.B.	11/2020	-	-
-	-	-	-	-	-	-	PROFILE SCALES:	PROJ. MGR.	SHW	10/25	-
-	-	-	-	-	-	-	HORIZONTAL:	LEAD ENGR.	DD	10/25	-
-	-	-	-	-	-	-	N/A	FIELD MGR.	DD	12/25	-
-	-	-	-	-	-	-	VERTICAL:	N/A	-	-	-
-	-	-	-	-	-	-	DRAWING:	SURVEY DATA N&S.DWG	-	-	-
-	-	-	-	-	-	-	ATLAS PAGE NO:	3, 14	-	-	-

CEC Corporation
1300 S. Main Street Tulsa, OK 74137
(918) 663-9401

DATE: 01.30.26
SHEET 17 OF 102

PLOT DATE: July 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021\072\PRODUCTION DRAWINGS\SURVEY DATA N&S.DWG



LEGEND

- ☒ BORE HOLE LOCATION
- ⊙ BENCHMARK LOCATION
- ▨ PROPOSED RIGHT OF ENTRY

BENCHMARK TABLE				
NO.	NORTHING	EASTING	ELEV.	DESCRIPTION
BM 201	423045.0	2569313.6	755.02	BM SET CUT X IN TOP OF CURB

PREPARED BY:
ISAACS SURVEYING SERVICE

5 W. 42ND STREET
SAND SPRINGS, OK 74063
(918) 245-0456

RESPONSIBLE FOR
BOUNDARY SURVEY

DATE: 7/25/25
RUSSELL D. LAMBLOTTE
OKLAHOMA REG. NO. 1555

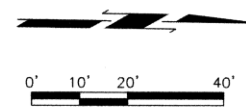
PREPARED BY:
CEC CORPORATION

4555 W. MEMORIAL ROAD
OKLAHOMA CITY, OK 73142-2013
(405) 753-4200

DATE: 7/25/25
DARREN M. SMITH, P.L.S.
OKLAHOMA REG. NO. 1552

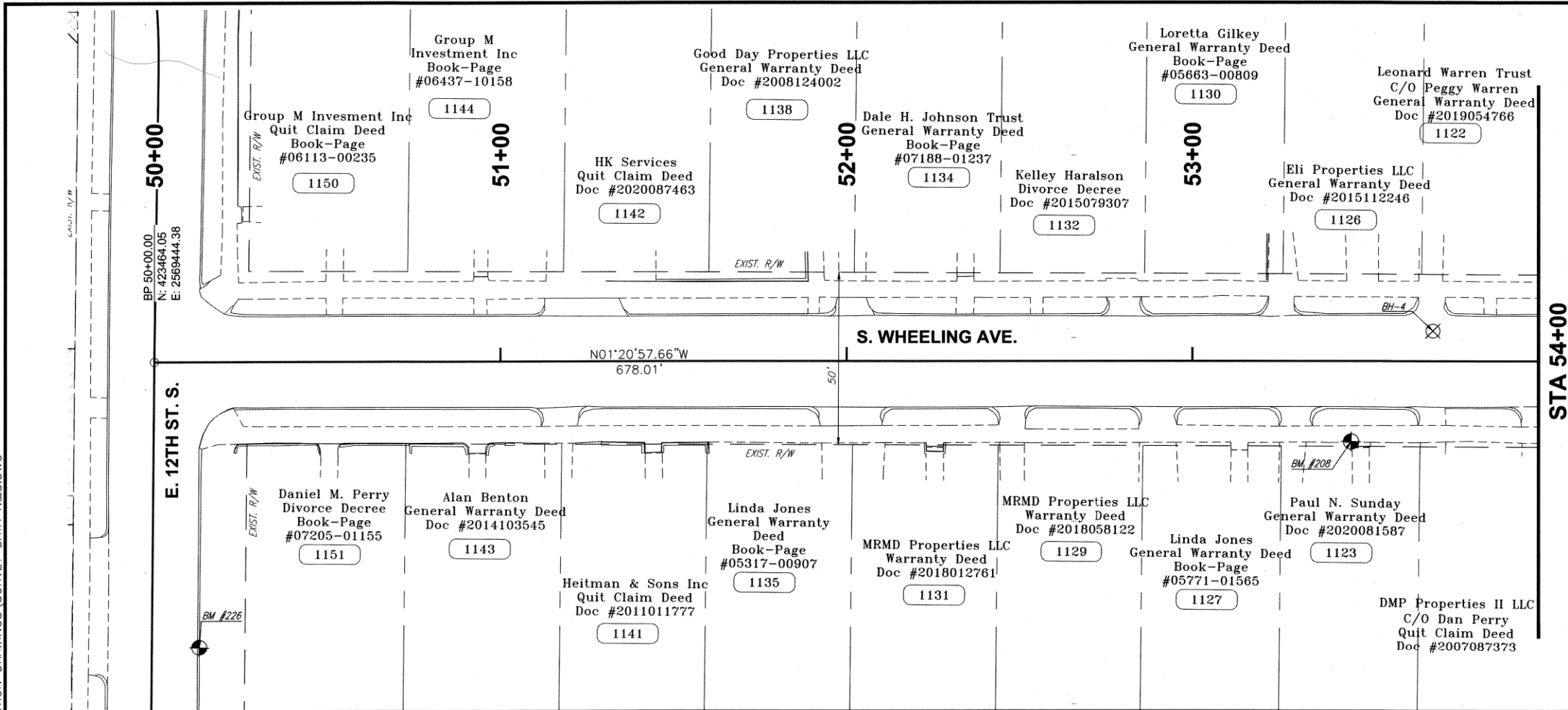
SURVEYOR'S CERTIFICATION:
I HEREBY CERTIFY THAT THE HORIZONTAL AND VERTICAL CONTROL FOR THIS PROJECT WERE BASED UPON THE TULSA COUNTY ADS CONTROL NETWORK AND THAT THE VALUES SHOWN MEET SECOND ORDER CLASS II HORIZONTAL (1:20,000) AND THIRD ORDER VERTICAL (1:5,000) STANDARDS, AT A MINIMUM.

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B. ACCURACY - 3RD ORDER OR BETTER



WHEELING AVE. SURVEY DATA (1 OF 2)			
PROJECT NO. 2036N4021Z			
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT			
CEC Corporation 1300 S. Main Street Tulsa, OK 74137 (918) 663-9401			
REVISION	BY	DATE	APPROVED:
1	J.L.C.	7/2025	
2	J.L.C.	7/2025	
3	B.B.	11/2020	
4	SHW	10/25	
5	1/1/25	1/1/25	
6	2/2/25	2/2/25	
7	1/1/25	1/1/25	
8	1/1/25	1/1/25	
DRAWING: SURVEY DATA N&S.DWG			DATE: 01.30.25
ATLAS PAGE NO: 3, 14			SHEET 18 OF 102

PLOT DATE: JULY 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021\0102\PRODUCTION\DRAWINGS\SURVEY DATA N&S.DWG



LEGEND

- ☒ BORE HOLE LOCATION
- ⊙ BENCHMARK LOCATION
- ▨ PROPOSED RIGHT OF ENTRY

PREPARED BY:
ISAACS SURVEYING SERVICE

5 W. 42ND STREET
SAND SPRINGS, OK 74063
(918) 245-0456

RESPONSIBLE FOR
BOUNDARY SURVEY

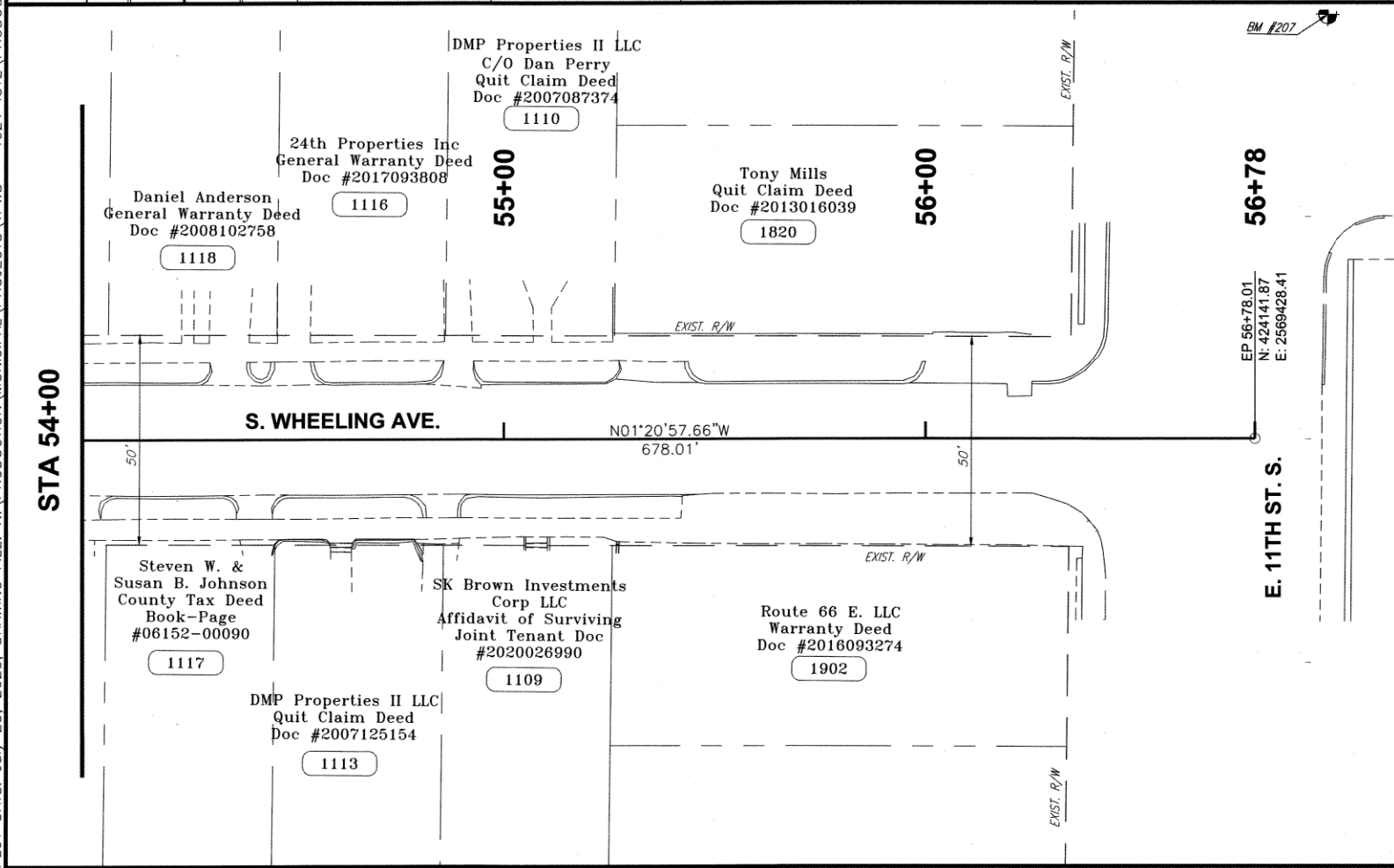
DATE: 7/25/25
RUSSELL D. LAMBILLOTTE
OKLAHOMA REG. NO. 1555

PREPARED BY:
CEC CORPORATION

4555 W. MEMORIAL ROAD
OKLAHOMA CITY, OK 73142-2013
(405) 753-4200

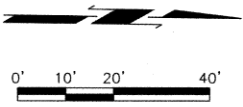
DATE: 7/23/25
DARREN M. SMITH, P.L.S.
OKLAHOMA REG. NO. 1552

SURVEYOR'S CERTIFICATION:
I HEREBY CERTIFY THAT THE HORIZONTAL AND VERTICAL CONTROL FOR THIS PROJECT WERE BASED UPON THE TULSA COUNTY ADS CONTROL NETWORK AND THAT THE VALUES SHOWN MEET SECOND ORDER CLASS II HORIZONTAL (1:20,000) AND THIRD ORDER VERTICAL (1:5,000) STANDARDS, AT A MINIMUM.



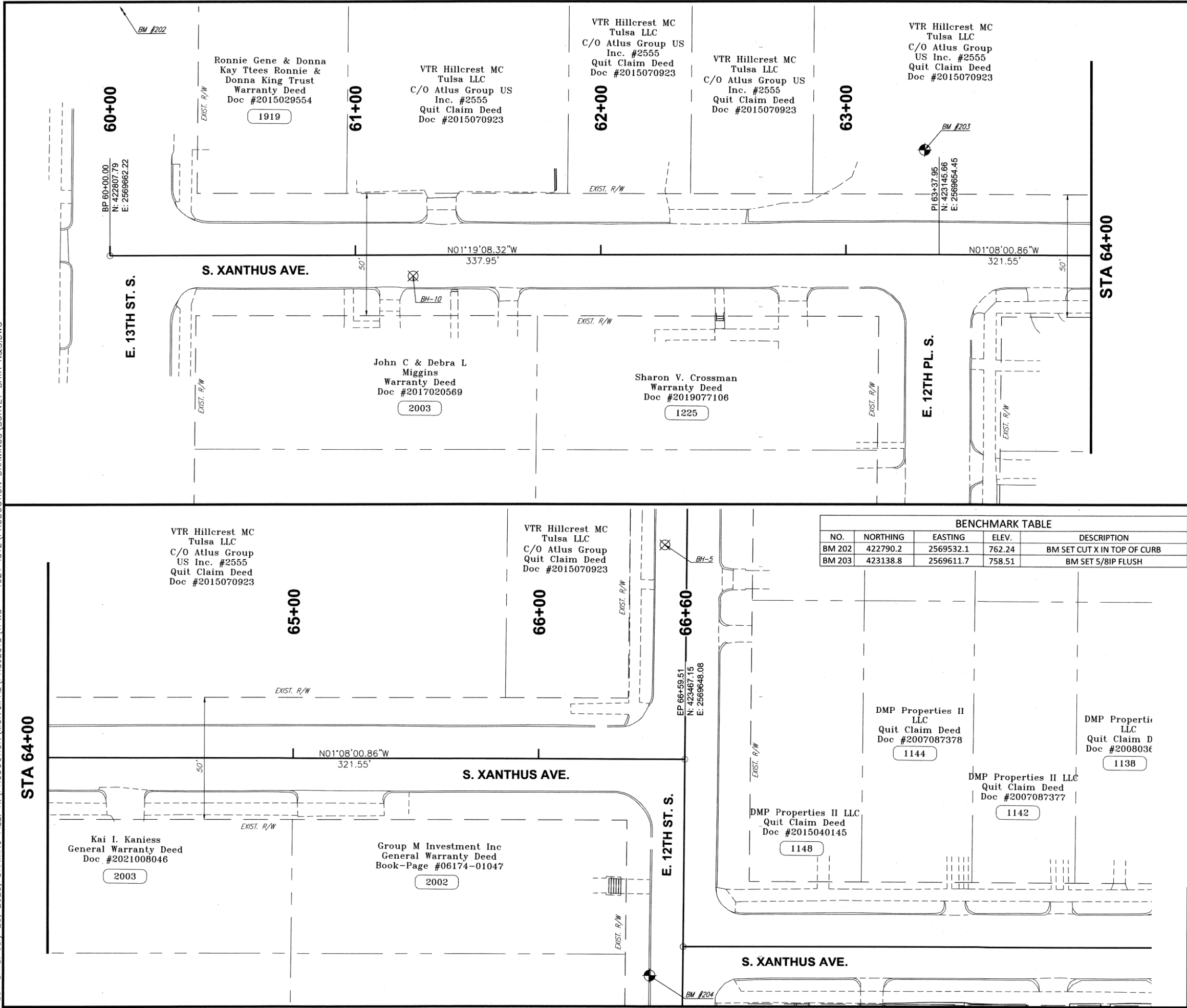
BENCHMARK TABLE				
NO.	NORTHING	EASTING	ELEV.	DESCRIPTION
BM 207	424156.8	2569327.0	731.90	BM SET CUT X IN TOP OF CURB
BM 208	423810.3	2569459.5	742.27	BM SET CUT X ON SIDEWALK
BM 226	423479.0	2569526.6	746.84	BM SET CUT X ON TOP OF CURB

- SURVEY CONTROL DATA**
- HORIZONTAL DATUM IS TIED TO CITY OF TULSA SURVEY CONTROL MONUMENT # 503 WHICH IS ADJUSTED TO THE OKLAHOMA STATE PLANE NAD 83 (1993) COORDINATE SYSTEM, NORTH ZONE, U.S. SURVEY FEET, PER MONUMENT #503 DATA SHEET.
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B. ACCURACY - 3RD ORDER OR BETTER



WHEELING AVE. SURVEY DATA (2 OF 2)			
PROJECT NO. 2036N4021Z			
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT			
CEC Corporation 1300 S. Main Street Tulsa, OK 74137 (918) 663-9401			
REVISION	BY	DATE	APPROVED:
-	-	-	-
PLAN SCALE:	DRAWN	J.L.C.	7/2025
1" = 20'	DESIGNED	J.L.C.	7/2025
-	SURVEY	B.B.	11/2020
PROFILE SCALES:	PROJ. MGR.	SMI	7/2025
HORIZONTAL:	LEAD ENGR.	DK	7/2025
N/A	FIELD MGR.	DK	7/2025
VERTICAL:	-	-	-
N/A	-	-	-
DRAWING: SURVEY DATA N&S.DWG	DATE	7/20/26	DESIGN MANAGER
ATLAS PAGE NO: 3, 14	SHEET 19 OF 102		

PLOT DATE: July 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021\012\PRODUCTION DRAWINGS\SURVEY DATA N&S.DWG



LEGEND

BORE HOLE LOCATION

BENCHMARK LOCATION

PROPOSED RIGHT OF ENTRY

PREPARED BY:
ISAACS SURVEYING SERVICE

5 W. 42ND STREET
SAND SPRINGS, OK 74063
(918) 245-0456

RESPONSIBLE FOR
BOUNDARY SURVEY

DATE: 7/25/25

Russell D. Lambillotte
OKLAHOMA REG. NO. 1555

PREPARED BY:
CEC CORPORATION

4555 W. MEMORIAL ROAD
OKLAHOMA CITY, OK 73142-2013
(405) 753-4200

DATE: 7/25/25

Darren M. Smith, P.L.S.
OKLAHOMA REG. NO. 1552

SURVEYOR'S CERTIFICATION:

I HEREBY CERTIFY THAT THE HORIZONTAL AND VERTICAL CONTROL FOR THIS PROJECT WERE BASED UPON THE TULSA COUNTY ADS CONTROL NETWORK AND THAT THE VALUES SHOWN MEET SECOND ORDER CLASS II HORIZONTAL (1:20,000) AND THIRD ORDER VERTICAL (1:5,000) STANDARDS. AT A MINIMUM.

BENCHMARK TABLE				
NO.	NORTHING	EASTING	ELEV.	DESCRIPTION
BM 202	422790.2	2569532.1	762.24	BM SET CUT X IN TOP OF CURB
BM 203	423138.8	2569611.7	758.51	BM SET 5/8IP FLUSH

- SURVEY CONTROL DATA
1. HORIZONTAL DATUM IS TIED TO CITY OF TULSA SURVEY CONTROL MONUMENT # 503 WHICH IS ADJUSTED TO THE OKLAHOMA STATE PLANE NAD 83 (1993) COORDINATE SYSTEM, NORTH ZONE, U.S. SURVEY FEET, PER MONUMENT #503 DATA SHEET.

2. BEARINGS: THE BEARINGS SHOWN HEREIN OR HEREON ARE GRID BEARINGS DERIVED FROM THE USC & GS OKLAHOMA PLANE COORDINATE SYSTEM AND ARE NOT ASTRONOMICAL.

3. VERTICAL CONTROLS: A. LEVEL DATUM IS NGS, NAVD 88, PER CITY OF TULSA SURVEY CONTROL MONUMENT # 503 AND ADJUSTED FROM PRIMARY CONTROL UTILIZING DIFFERENTIAL LEVELING TECHNIQUES. B. ACCURACY - 3RD ORDER OR BETTER
-
-
-

XANTHUS AVE. SURVEY DATA (1 OF 2)

PROJECT NO. 2036N4021Z

NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

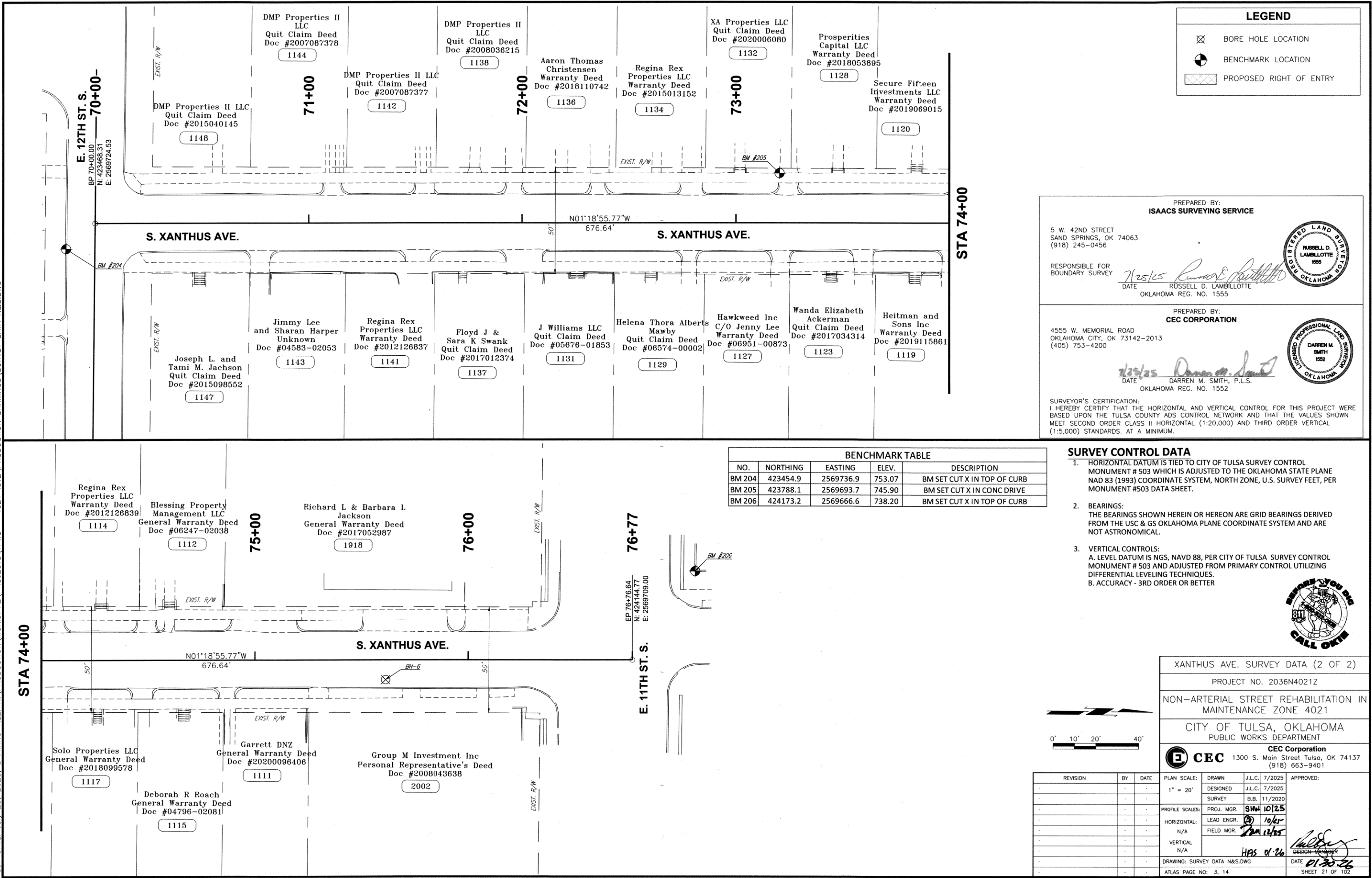
CEC Corporation
1300 S. Main Street Tulsa, OK 74137
(918) 663-9401

REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:
-	-	-	1" = 20'	DESIGNED	J.L.C.	7/2025	-
-	-	-	-	SURVEY	B.B.	11/2020	-
-	-	-	PROFILE SCALES:	PROJ. MGR.	S.M.	10/25	-
-	-	-	HORIZONTAL:	LEAD ENGR.	D.	10/25	-
-	-	-	N/A	FIELD MGR.	D.	10/25	-
-	-	-	VERTICAL:	-	-	-	-
-	-	-	N/A	-	-	-	-
-	-	-	DRAWING: SURVEY DATA N&S.DWG	-	-	-	-
-	-	-	ATLAS PAGE NO: 3, 14	-	-	-	-

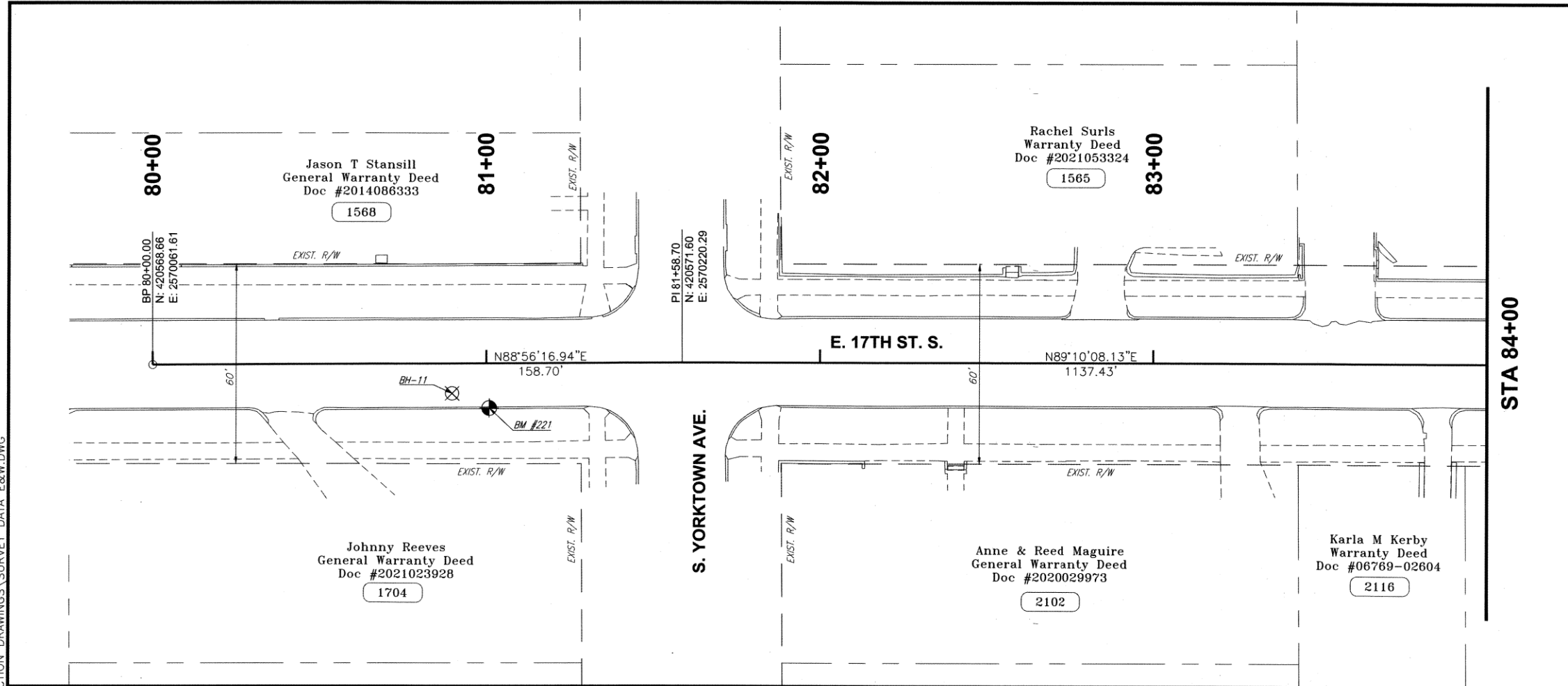
DATE: 7/25/25

SHEET 20 OF 102

PLOT DATE: JULY 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021\0102\PRODUCTION DRAWINGS\SURVEY DATA N&S.DWG



PLOT DATE: July 23, 2025. DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021\012\PRODUCTION\DRAWINGS\SURVEY DATA E&W.DWG



LEGEND	
	BORE HOLE LOCATION
	BENCHMARK LOCATION
	PROPOSED RIGHT OF ENTRY

BENCHMARK TABLE				
BM 220	420563.0	2570559.1	747.89	BM SET CUT X ON TOP OF CURB
BM 221	420557.1	2570162.7	744.10	BM SET CUT X ON TOP OF CURB

PREPARED BY:
ISAACS SURVEYING SERVICE

5 W. 42ND STREET
SAND SPRINGS, OK 74063
(918) 245-0456

RESPONSIBLE FOR
BOUNDARY SURVEY

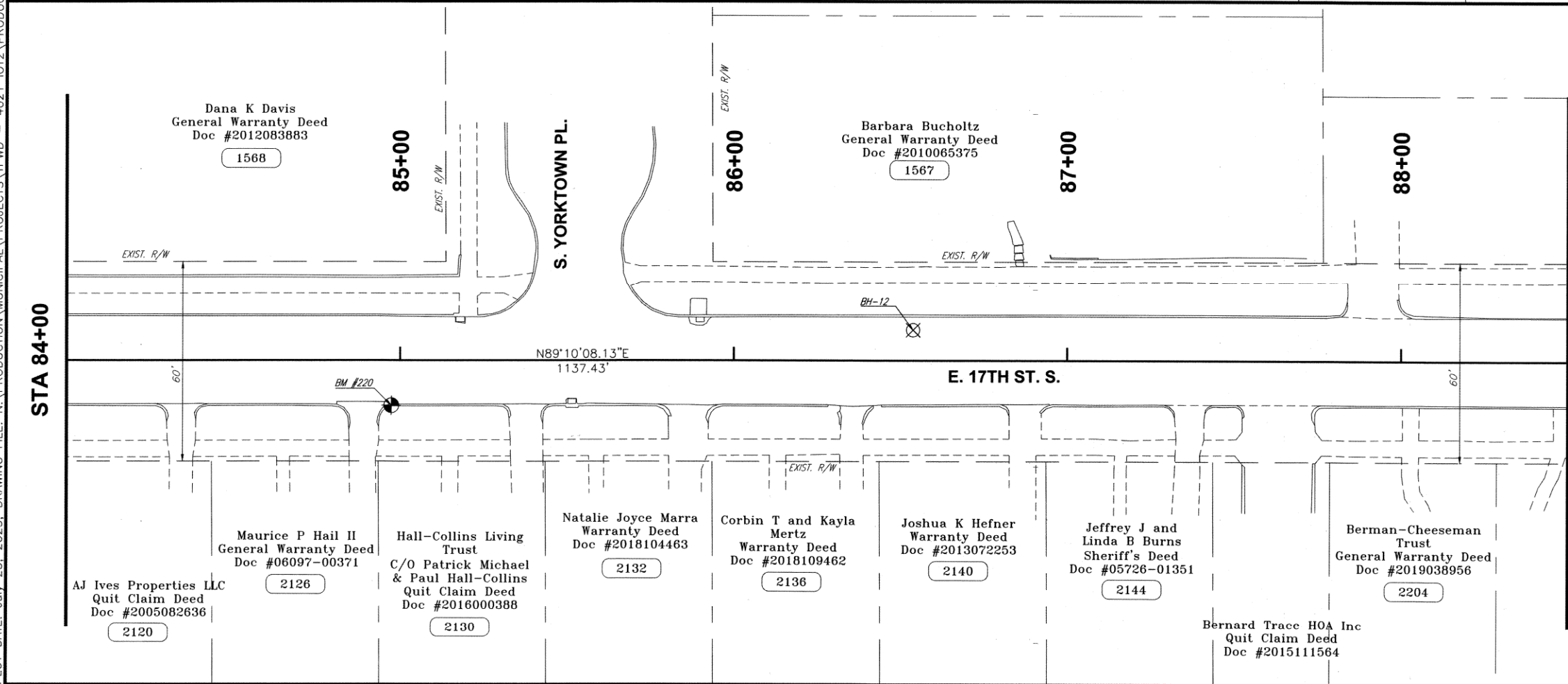
DATE: 7/25/25
RUSSELL D. LAMBLOTTE
OKLAHOMA REG. NO. 1555

PREPARED BY:
CEC CORPORATION

4555 W. MEMORIAL ROAD
OKLAHOMA CITY, OK 73142-2013
(405) 753-4200

DATE: 7/25/25
DARREN M. SMITH, P.L.S.
OKLAHOMA REG. NO. 1552

SURVEYOR'S CERTIFICATION:
I HEREBY CERTIFY THAT THE HORIZONTAL AND VERTICAL CONTROL FOR THIS PROJECT WERE BASED UPON THE TULSA COUNTY ADS CONTROL NETWORK AND THAT THE VALUES SHOWN MEET SECOND ORDER CLASS II HORIZONTAL (1:20,000) AND THIRD ORDER VERTICAL (1:5,000) STANDARDS, AT A MINIMUM.



- SURVEY CONTROL DATA**
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THE BEARINGS SHOWN HEREIN OR HEREON ARE GRID BEARINGS DERIVED FROM THE USC & GS OKLAHOMA PLANE COORDINATE SYSTEM AND ARE NOT ASTRONOMICAL.
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B. ACCURACY - 3RD ORDER OR BETTER

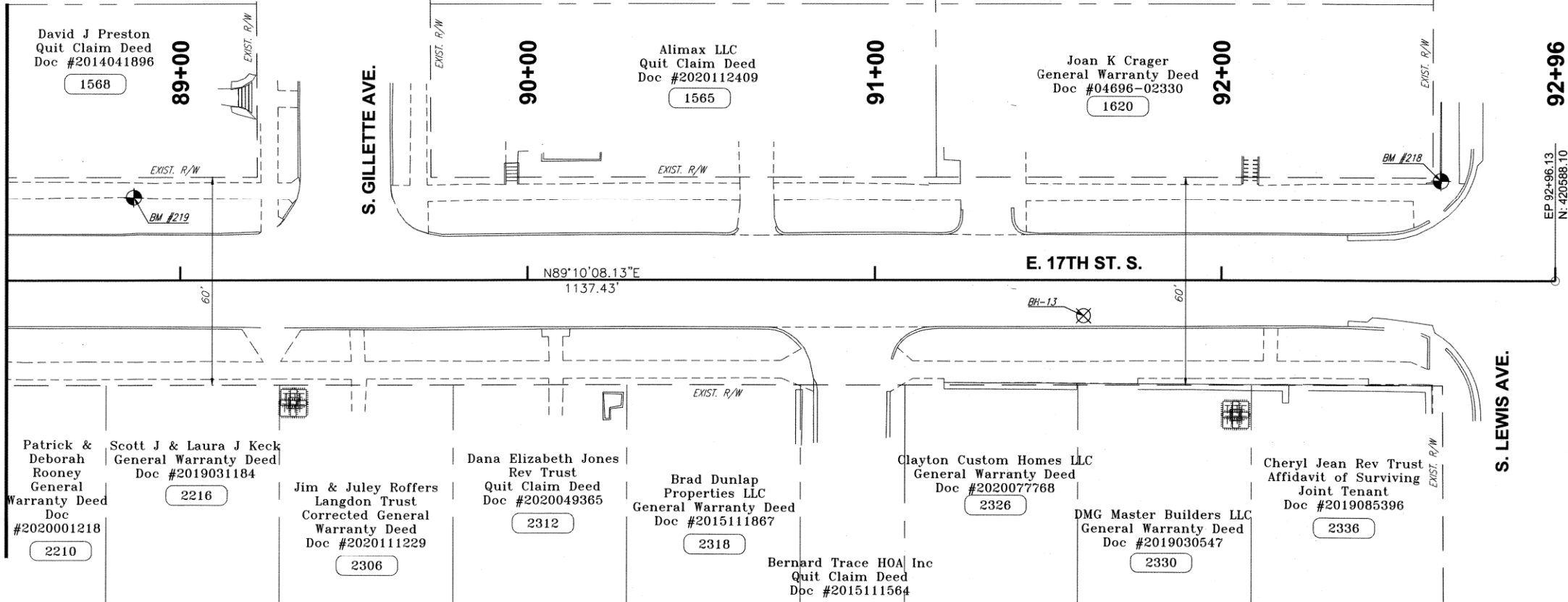
STA 88+50
SEE SHEET 23



17TH ST. SURVEY DATA (1 OF 2)				
PROJECT NO. 2036N4021Z				
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021				
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT				
CEC Corporation 1300 S. Main Street Tulsa, OK 74137 (918) 663-9401				
REVISION	BY	DATE	PLAN SCALE:	DRAWN
			1" = 20'	J.L.C. 7/2025
				DESIGNED J.L.C. 7/2025
				SURVEY B.B. 11/2020
			PROFILE SCALES:	PROJ. MGR. S.M. 10/25
			HORIZONTAL:	LEAD ENGR. J.B. 10/25
			N/A	FIELD MGR. S.M. 10/25
			VERTICAL:	
			N/A	
			DRAWING: SURVEY DATA E&W.DWG	DATE: 07.30.26
			ATLAS PAGE NO: 3, 14	SHEET 22 OF 102

PLOT DATE: July 23, 2025. DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021 1072\PRODUCTION DRAWINGS\SURVEY DATA E&W.DWG

STA 88+50
SEE SHEET 22



LEGEND	
	BORE HOLE LOCATION
	BENCHMARK LOCATION
	PROPOSED RIGHT OF ENTRY

BENCHMARK TABLE					
BM 218	420616.6	2571324.2	741.38	BM SET CUT X IN TOP OF WALL	
BM 219	420606.0	2570947.8	753.02	BM SET CUT X ON S SIDE OF SIDEWALK	

PREPARED BY:
ISAACS SURVEYING SERVICE

5 W. 42ND STREET
SAND SPRINGS, OK 74063
(918) 245-0456

RESPONSIBLE FOR
BOUNDARY SURVEY

DATE: 7/25/25
RUSSELL D. LAMBLOTTE
OKLAHOMA REG. NO. 1555

REGISTERED LAND SURVEYOR
RUSSELL D. LAMBLOTTE
1555

PREPARED BY:
CEC CORPORATION

4555 W. MEMORIAL ROAD
OKLAHOMA CITY, OK 73142-2013
(405) 753-4200

DATE: 7/25/25
DARREN M. SMITH, P.L.S.
OKLAHOMA REG. NO. 1552

PROFESSIONAL LAND SURVEYOR
DARREN M. SMITH
1552

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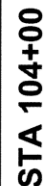
SURVEY CONTROL DATA

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B. ACCURACY - 3RD ORDER OR BETTER



17TH ST. SURVEY DATA (2 OF 2)	
PROJECT NO. 2036N4021Z	
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021	
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT	
CEC Corporation 1300 S. Main Street Tulsa, OK 74137 (918) 663-9401	

REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:
-	-	-	1" = 20'	DESIGNED	J.L.C.	7/2025	
-	-	-		SURVEY	B.B.	11/2020	
-	-	-	PROFILE SCALES:	PROJ. MGR.	SWW	10/25	
-	-	-	HORIZONTAL:	LEAD ENGR.	D	10/25	
-	-	-	VERTICAL:	FIELD MGR.	SWW	10/25	
-	-	-					
-	-	-					
-	-	-	DRAWING: SURVEY DATA E&W.DWG				DATE: 7/30/26
-	-	-	ATLAS PAGE NO: 3, 14				SHEET 23 OF 102

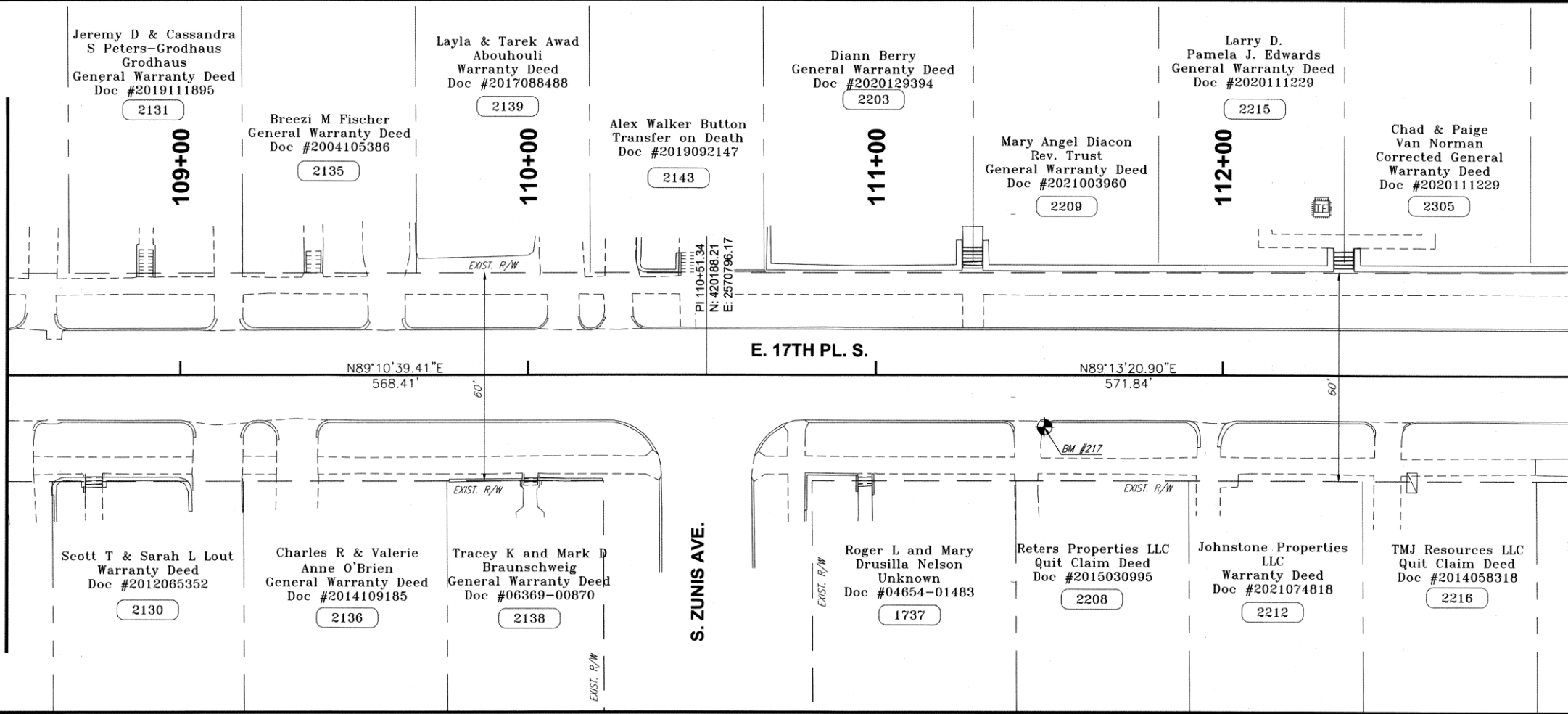
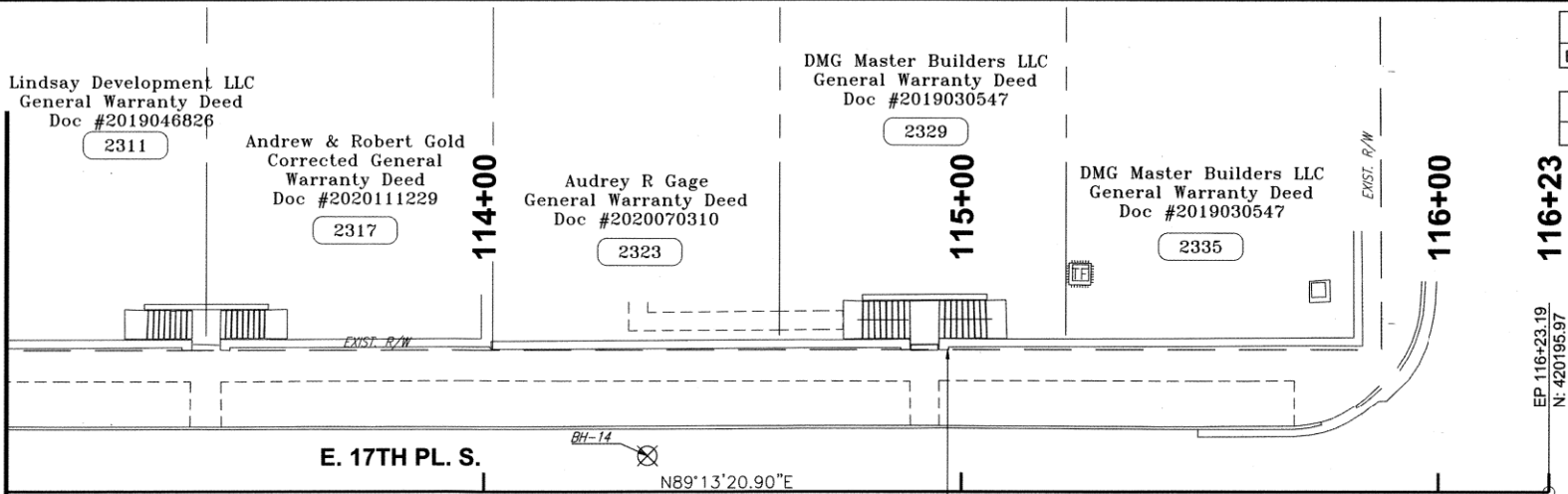
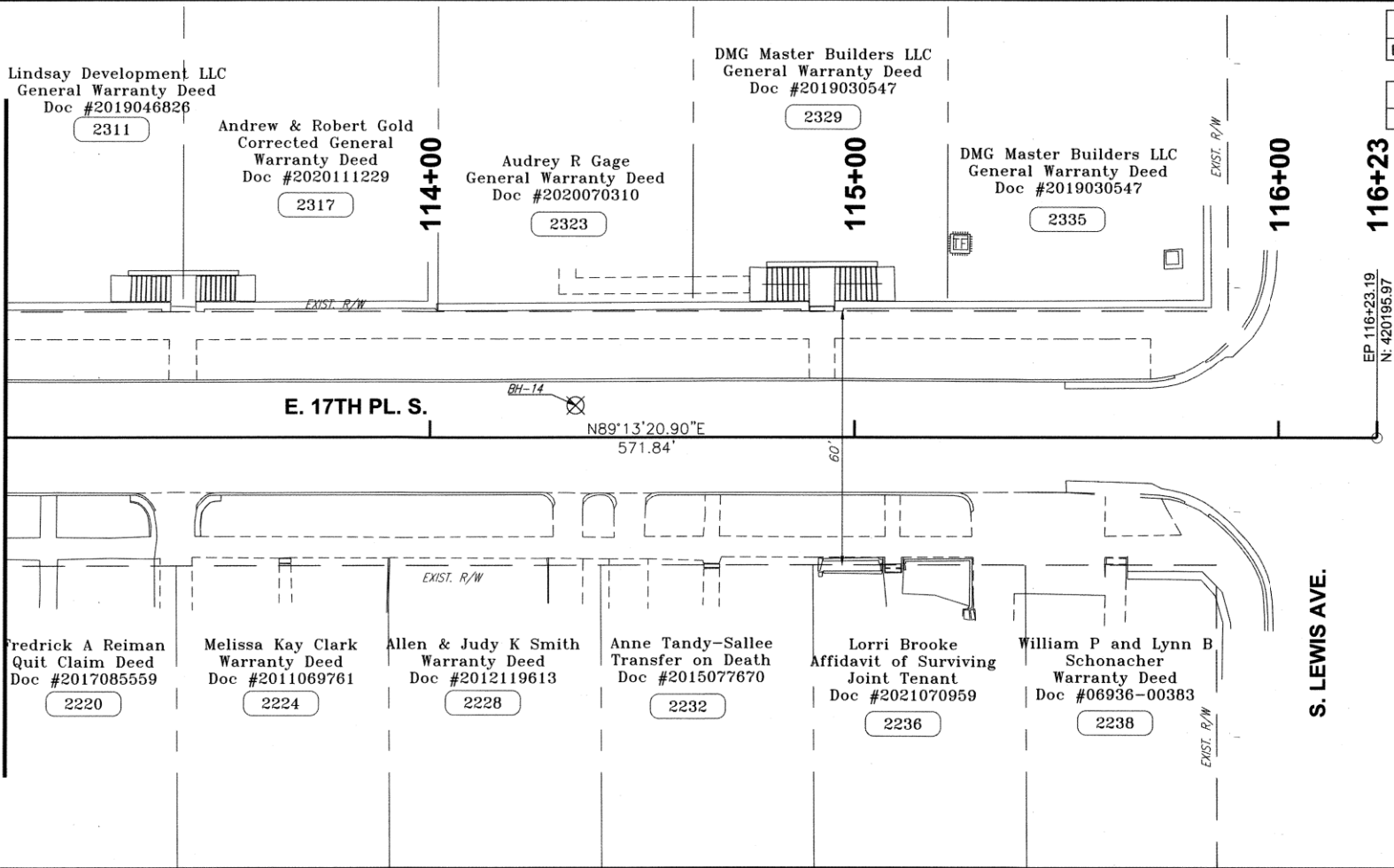


REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C. 7/2025	APPROVED:
-	-	-	1" = 20'	DESIGNED	J.L.C. 7/2025	 DESIGN MANAGER
-	-	-		SURVEY	B.B. 11/2020	
-	-	-	PROFILE SCALES:	PROJ. MGR.	SMW 10/25	
-	-	-	HORIZONTAL:	LEAD ENGR.	① 10/25	
-	-	-	N/A	FIELD MGR.	22m 1/26	
-	-	-	VERTICAL			
-	-	-	N/A		HAS d. 26	
-	-	-	DRAWING: SURVEY DATA E&W.DWG			DATE 01.31.26
-	-	-	ATLAS PAGE NO: 3, 14			SHEET 24 OF 102

PLOT DATE: July 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021\072\PRODUCTION DRAWINGS\SURVEY DATA E&W.DWG

STA 113+00

STA 108+50
SEE SHEET 24



PREPARED BY:
ISAACS SURVEYING SERVICE

5 W. 42ND STREET
SAND SPRINGS, OK 74063
(918) 245-0456

RESPONSIBLE FOR
BOUNDARY SURVEY

DATE: 7/25/25
RUSSELL D. LAMBLOTTE
OKLAHOMA REG. NO. 1555

PREPARED BY:
CEC CORPORATION

4555 W. MEMORIAL ROAD
OKLAHOMA CITY, OK 73142-2013
(405) 753-4200

DATE: 7/25/25
DARREN M. SMITH, P.L.S.
OKLAHOMA REG. NO. 1552

SURVEYOR'S CERTIFICATION:
I HEREBY CERTIFY THAT THE HORIZONTAL AND VERTICAL CONTROL FOR THIS PROJECT WERE BASED UPON THE TULSA COUNTY ADS CONTROL NETWORK AND THAT THE VALUES SHOWN MEET SECOND ORDER CLASS II HORIZONTAL (1:20,000) AND THIRD ORDER VERTICAL (1:5,000) STANDARDS. AT A MINIMUM.

17TH PL. SURVEY DATA (2 OF 2)

PROJECT NO. 2036N4021Z

NON-ARTERIAL STREET REHABILITATION IN
MAINTENANCE ZONE 4021

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

CEC Corporation
1300 S. Main Street Tulsa, OK 74137
(918) 663-9401

REVISION

REVISION	BY	DATE
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

PLAN SCALE: 1" = 20'

DRAWN: J.L.C. 7/2025

DESIGNED: J.L.C. 7/2025

SURVEY: B.B. 11/2020

PROFILE SCALES: PROJ. MGR. B.M. 10/25

LEAD ENGR. 10/25

FIELD MGR. 10/25

HAS 01-26

DRAWING: SURVEY DATA E&W.DWG

ATLAS PAGE NO: 3, 14

APPROVED:

DATE: 07.30.26

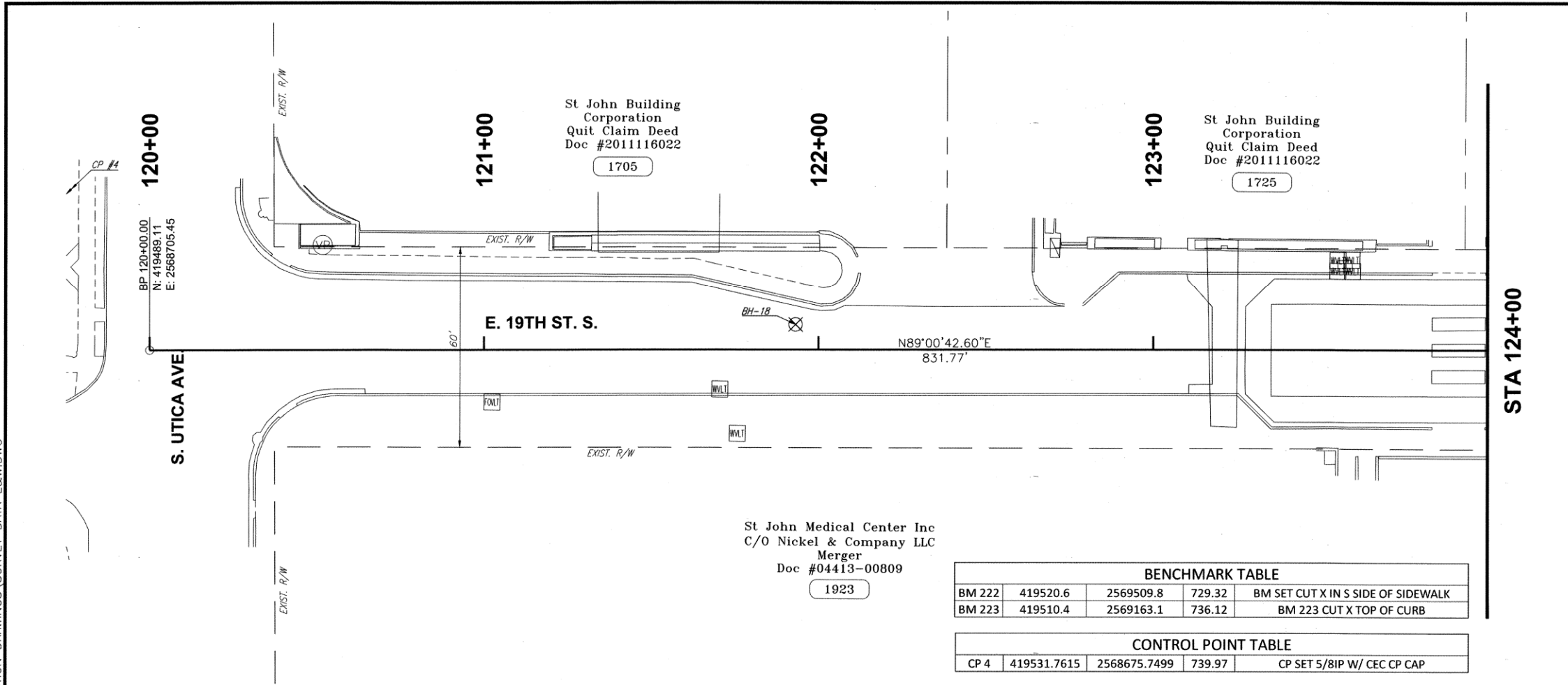
SHEET 25 OF 102

LEGEND

- BORE HOLE LOCATION
- BENCHMARK LOCATION
- PROPOSED RIGHT OF ENTRY



PLOT DATE: JULY 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021\072\PRODUCTION DRAWINGS\SURVEY DATA E&W.DWG



LEGEND

- BORE HOLE LOCATION
- BENCHMARK LOCATION
- PROPOSED RIGHT OF ENTRY

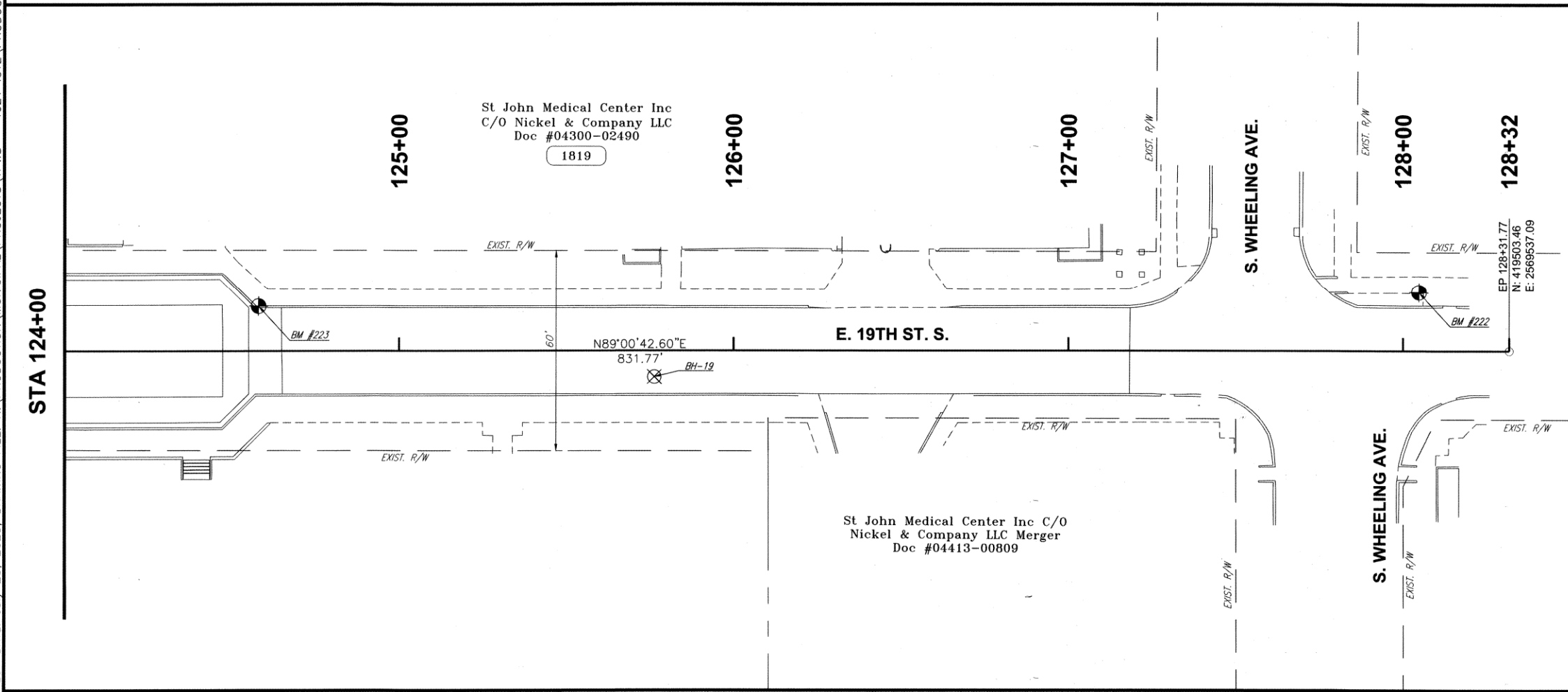
PREPARED BY:
ISAACS SURVEYING SERVICE
5 W. 42ND STREET
SAND SPRINGS, OK 74063
(918) 245-0456

RESPONSIBLE FOR
BOUNDARY SURVEY
DATE 7/25/25
RUSSELL D. LAMBLOTTE
OKLAHOMA REG. NO. 1555

PREPARED BY:
CEC CORPORATION
4555 W. MEMORIAL ROAD
OKLAHOMA CITY, OK 73142-2013
(405) 753-4200

DATE 7/25/25
DARREN M. SMITH, P.L.S.
OKLAHOMA REG. NO. 1552

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SURVEY CONTROL DATA

- HORIZONTAL DATUM IS TIED TO CITY OF TULSA SURVEY CONTROL MONUMENT # 503 WHICH IS ADJUSTED TO THE OKLAHOMA STATE PLANE NAD 83 (1993) COORDINATE SYSTEM, NORTH ZONE, U.S. SURVEY FEET, PER MONUMENT #503 DATA SHEET.
- BEARINGS: THE BEARINGS SHOWN HEREIN OR HEREON ARE GRID BEARINGS DERIVED FROM THE USC & GS OKLAHOMA PLANE COORDINATE SYSTEM AND ARE NOT ASTRONOMICAL.
- VERTICAL CONTROLS:
A. LEVEL DATUM IS NGS, NAVD 88, PER CITY OF TULSA SURVEY CONTROL MONUMENT # 503 AND ADJUSTED FROM PRIMARY CONTROL UTILIZING DIFFERENTIAL LEVELING TECHNIQUES.
B. ACCURACY - 3RD ORDER OR BETTER

19TH ST. SURVEY DATA (1 OF 2)

PROJECT NO. 2036N4021Z

NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

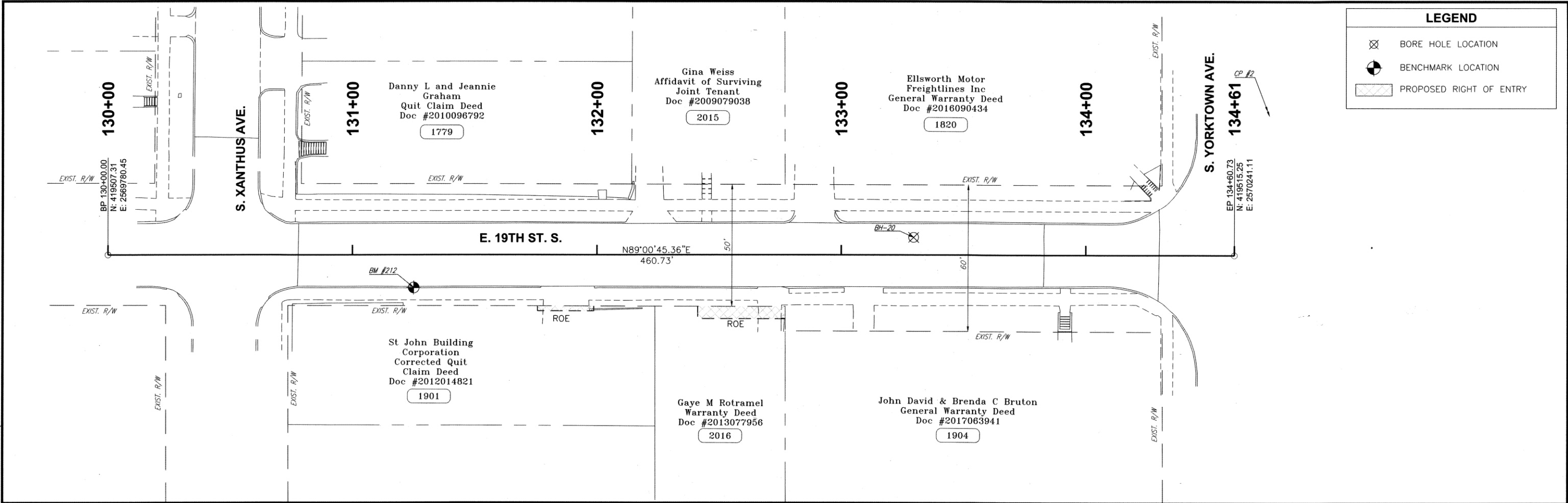
CEC Corporation
1300 S. Main Street Tulsa, OK 74137
(918) 663-9401

REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:
-	-	-	1" = 20'	DESIGNED	J.L.C.	7/2025	
-	-	-		SURVEY	B.B.	11/2020	
-	-	-	PROFILE SCALES:	PROJ. MGR.	SWH	10/125	
-	-	-	HORIZONTAL:	LEAD ENGR.	10/15		
-	-	-	VERTICAL:	FIELD MGR.	10/15		

DRAWING: SURVEY DATA E&W.DWG
ATLAS PAGE NO: 3, 14

DATE 07.30.26
SHEET 26 OF 102

PLOT DATE: July 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021\072\PRODUCTION DRAWINGS\SURVEY DATA E&W.DWG



BENCHMARK TABLE				
BM 212	419496.0	2569905.7	719.06	BM SET CUT X ON TOP OF CURB

CONTROL POINT TABLE				
CP 2	419555.6584	2570261.2204	727.46	CP SET 5/8" IP/CEC CAP

PREPARED BY:
ISAACS SURVEYING SERVICE

5 W. 42ND STREET
SAND SPRINGS, OK 74063
(918) 245-0456

RESPONSIBLE FOR
BOUNDARY SURVEY

DATE 7/25/25
RUSSELL D. LAMBLOTTE
OKLAHOMA REG. NO. 1555

RUSSELL D. LAMBLOTTE
1555

PREPARED BY:
CEC CORPORATION

4555 W. MEMORIAL ROAD
OKLAHOMA CITY, OK 73142-2013
(405) 753-4200

DATE 7/25/25
DARREN M. SMITH, P.L.S.
OKLAHOMA REG. NO. 1552

DARREN M. SMITH
1552

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(1:5,000) STANDARDS. AT A MINIMUM.

SURVEY CONTROL DATA

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- BEARINGS:
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B. ACCURACY - 3RD ORDER OR BETTER



REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:
-	-	-	1" = 20'	DESIGNED	J.L.C.	7/2025	
-	-	-		SURVEY	B.B.	11/2020	
-	-	-	PROFILE SCALES:	PROJ. MGR.	SHW	10/25	
-	-	-	HORIZONTAL:	LEAD ENGR.	@	10/25	
-	-	-	N/A	FIELD MGR.	Pan	10/25	
-	-	-	VERTICAL:				
-	-	-	N/A				
-	-	-	DRAWING: SURVEY DATA E&W.DWG				DATE 01.30.26
-	-	-	ATLAS PAGE NO: 3, 14				SHEET 27 OF 102



19TH ST. SURVEY DATA (2 OF 2)

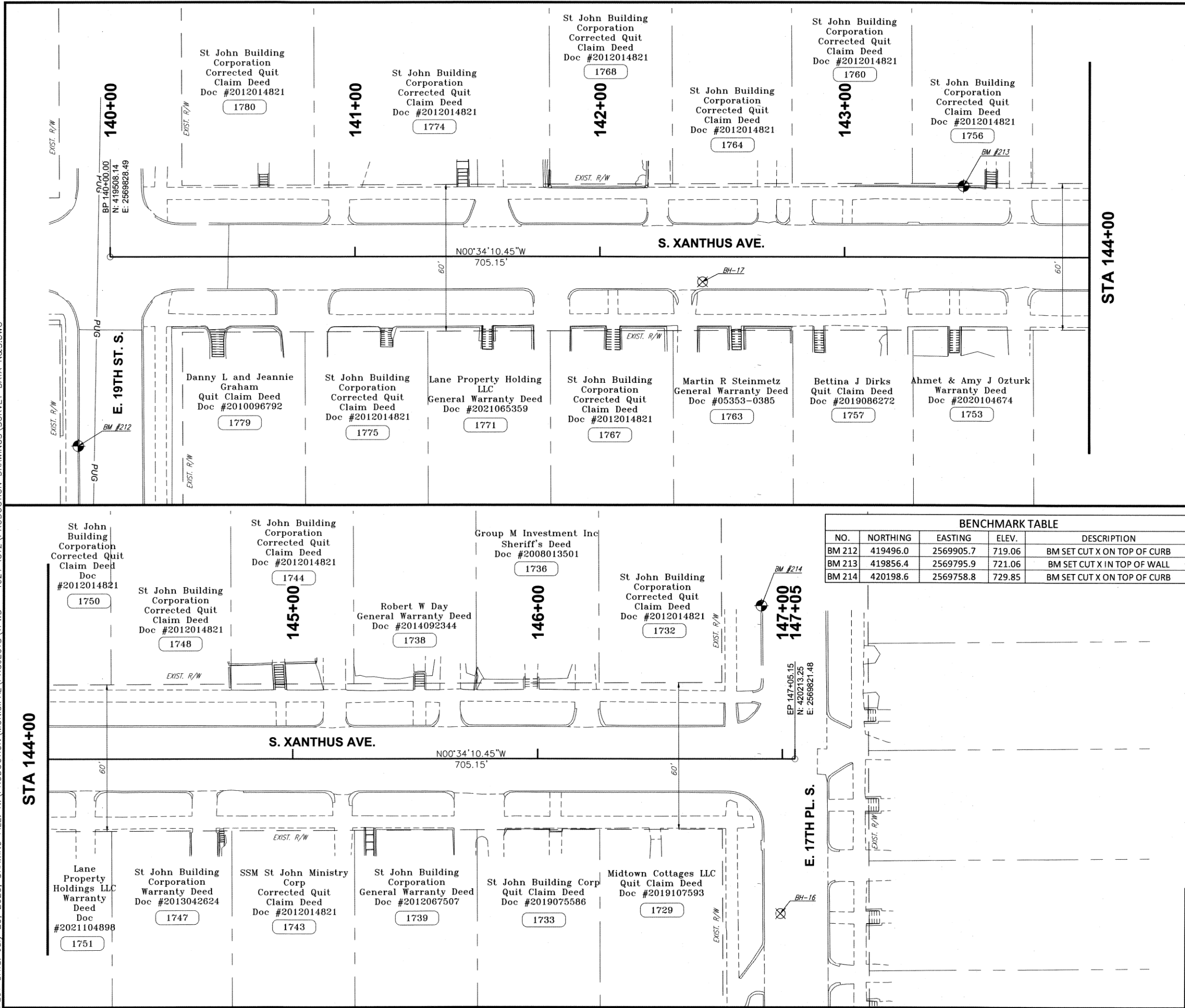
PROJECT NO. 2036N4021Z

NON-ARTERIAL STREET REHABILITATION IN
MAINTENANCE ZONE 4021

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

CEC Corporation
1300 S. Main Street Tulsa, OK 74137
(918) 663-9401

PLOT DATE: JULY 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021\012\PRODUCTION DRAWINGS\SURVEY DATA N&S.DWG



LEGEND

- BORE HOLE LOCATION
- BENCHMARK LOCATION
- PROPOSED RIGHT OF ENTRY

PREPARED BY:
ISAACS SURVEYING SERVICE

5 W. 42ND STREET
SAND SPRINGS, OK 74063
(918) 245-0456

RESPONSIBLE FOR
BOUNDARY SURVEY

DATE: 7/23/25
RUSSELL D. LAMBLOTTE
OKLAHOMA REG. NO. 1555

PREPARED BY:
CEC CORPORATION

4555 W. MEMORIAL ROAD
OKLAHOMA CITY, OK 73142-2013
(405) 753-4200

DATE: 7/23/25
DARREN M. SMITH, P.L.S.
OKLAHOMA REG. NO. 1552

SURVEYOR'S CERTIFICATION:
I HEREBY CERTIFY THAT THE HORIZONTAL AND VERTICAL CONTROL FOR THIS PROJECT WERE BASED UPON THE TULSA COUNTY ADS CONTROL NETWORK AND THAT THE VALUES SHOWN MEET SECOND ORDER CLASS II HORIZONTAL (1:20,000) AND THIRD ORDER VERTICAL (1:5,000) STANDARDS. AT A MINIMUM.

BENCHMARK TABLE				
NO.	NORTHING	EASTING	ELEV.	DESCRIPTION
BM 212	419496.0	2569905.7	719.06	BM SET CUT X ON TOP OF CURB
BM 213	419856.4	2569795.9	721.06	BM SET CUT X IN TOP OF WALL
BM 214	420198.6	2569758.8	729.85	BM SET CUT X ON TOP OF CURB

- SURVEY CONTROL DATA**
- HORIZONTAL DATUM IS TIED TO CITY OF TULSA SURVEY CONTROL MONUMENT # 503 WHICH IS ADJUSTED TO THE OKLAHOMA STATE PLANE NAD 83 (1993) COORDINATE SYSTEM, NORTH ZONE, U.S. SURVEY FEET, PER MONUMENT #503 DATA SHEET.
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B. ACCURACY - 3RD ORDER OR BETTER



XANTHUS AVE. SURVEY DATA

PROJECT NO. 2036N4021Z

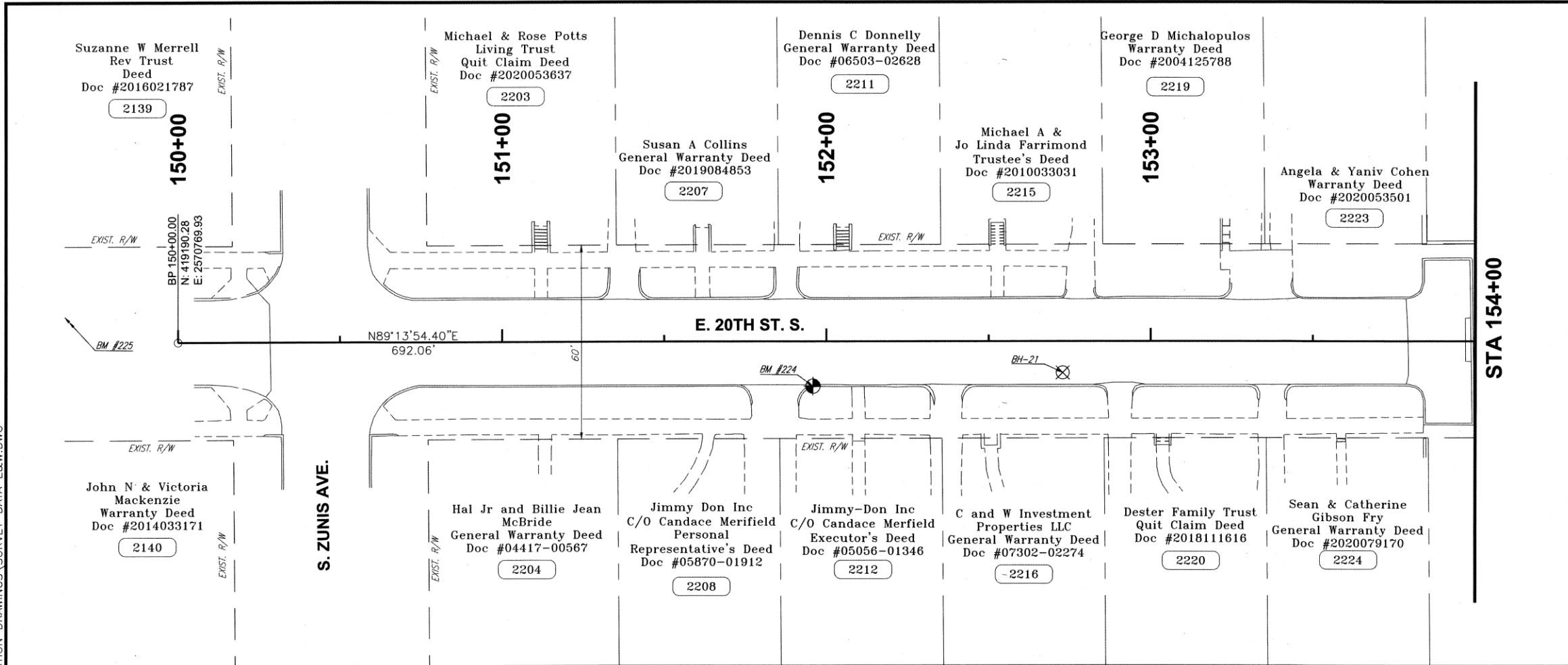
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

CEC Corporation
1300 S. Main Street Tulsa, OK 74137
(918) 663-9401

REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:
-	-	-	1" = 20'	DESIGNED	J.L.C.	7/2025	-
-	-	-	SURVEY	B.B.	11/2020	-	-
-	-	-	PROFILE SCALES:	PROJ. MGR.	MMW	10/12/25	-
-	-	-	HORIZONTAL:	LEAD ENGR.	MMW	10/12/25	-
-	-	-	N/A	FIELD MGR.	MMW	10/12/25	-
-	-	-	VERTICAL:	-	-	-	-
-	-	-	N/A	-	-	-	-
-	-	-	DRAWING: SURVEY DATA N&S.DWG	-	-	-	-
-	-	-	ATLAS PAGE NO: 3, 14	-	-	-	-

DATE: 8/13/25
SHEET 28 OF 102

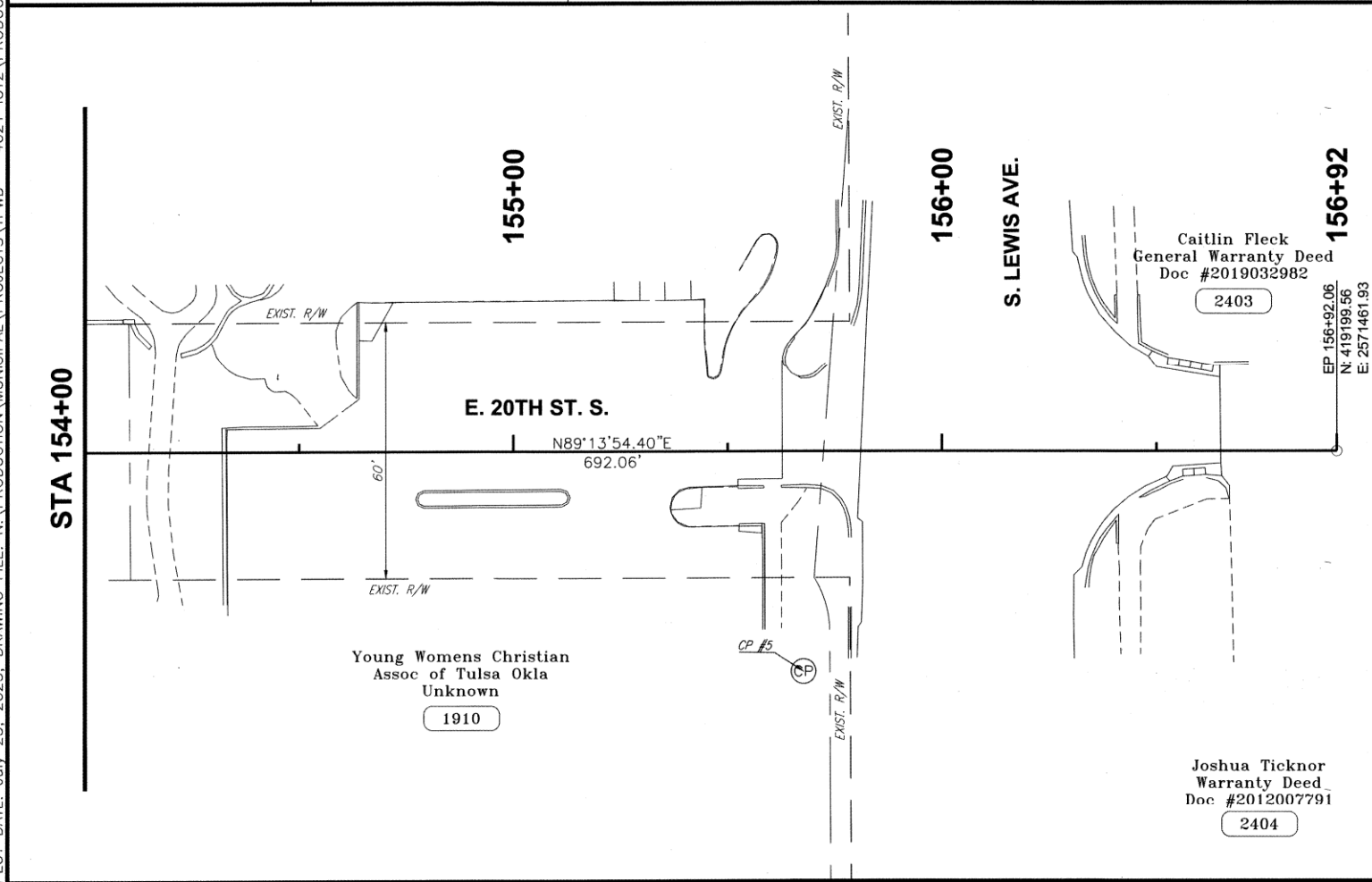


BENCHMARK TABLE				
NO.	NORTHING	EASTING	ELEV.	DESCRIPTION
BM 224	419179.1	2570966.0	710.20	BM SET CUT X ON TOP OF CURB
BM 225	419203.0	2570729.9	710.80	BM SET CUT X ON TOP OF CURB

CONTROL POINT TABLE				
NO.	NORTHING	EASTING	ELEV.	DESCRIPTION
CP 5	419146.5110	2571338.3291	705.82	CP SET 5/8IP W/ CEC CP CAP

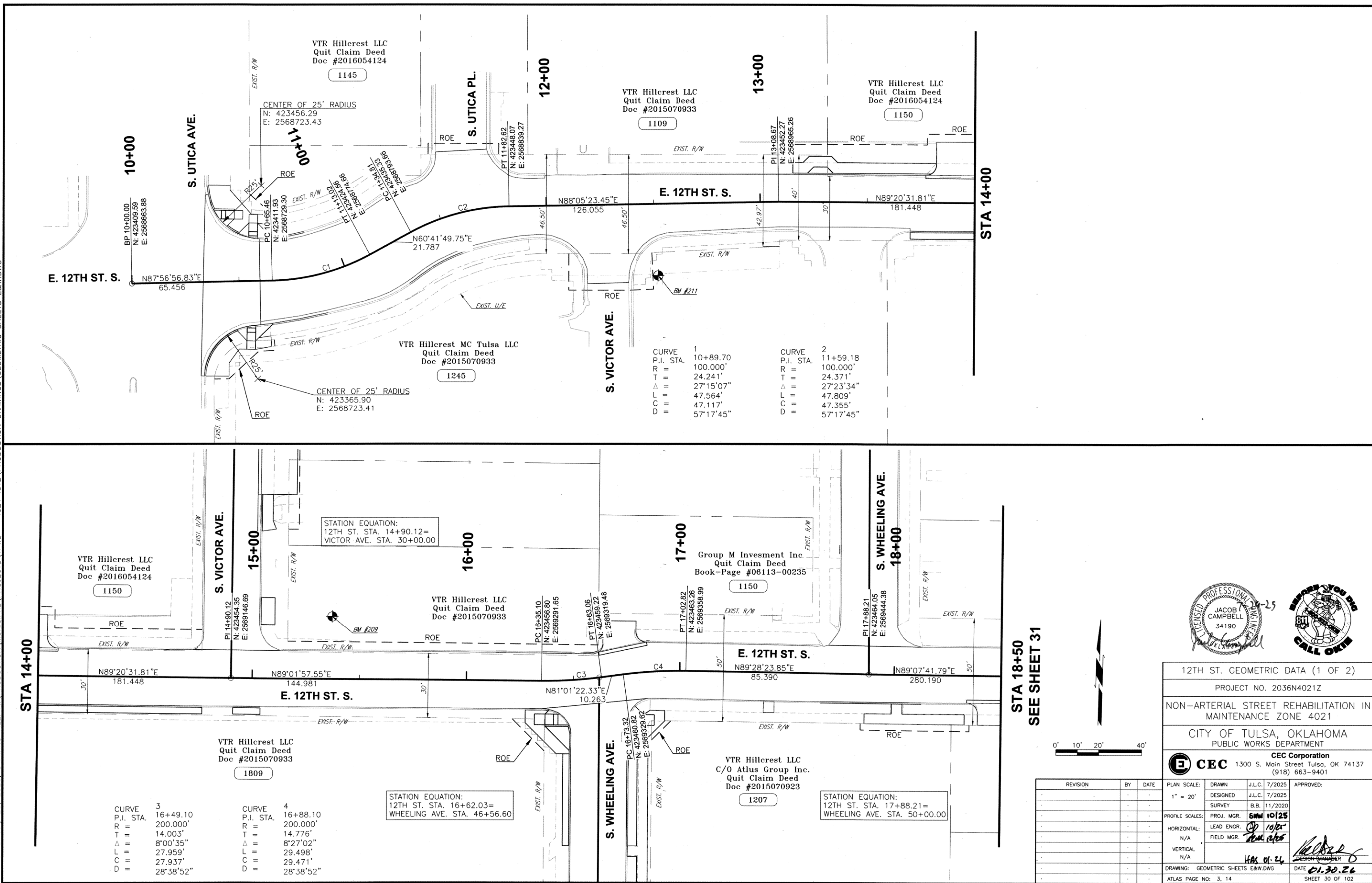
SURVEY CONTROL DATA

- SURVEY CONTROL DATA**
1. HORIZONTAL DATUM IS TIED TO CITY OF TULSA SURVEY CONTROL MONUMENT # 503 WHICH IS ADJUSTED TO THE OKLAHOMA STATE PLANE NAD 83 (1993) COORDINATE SYSTEM, NORTH ZONE, U.S. SURVEY FEET, PER MONUMENT #503 DATA SHEET.
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B. ACCURACY - 3RD ORDER OR BETTER



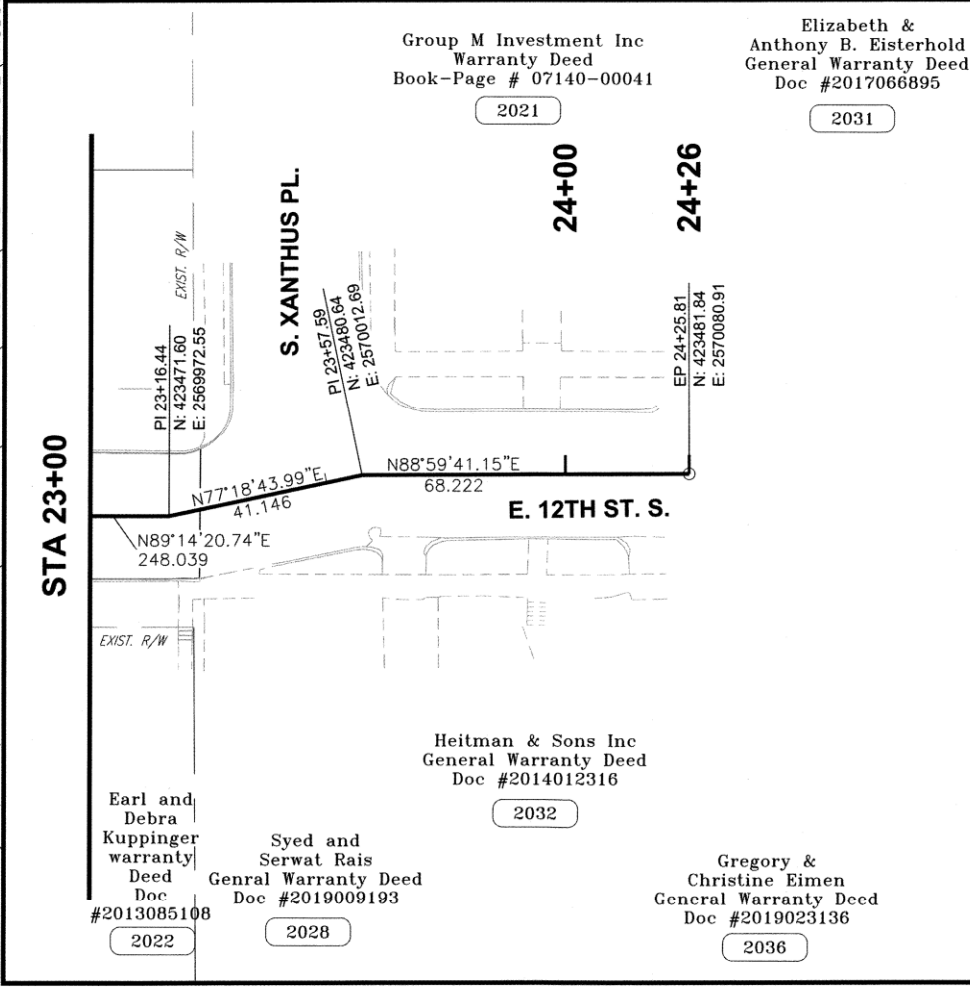
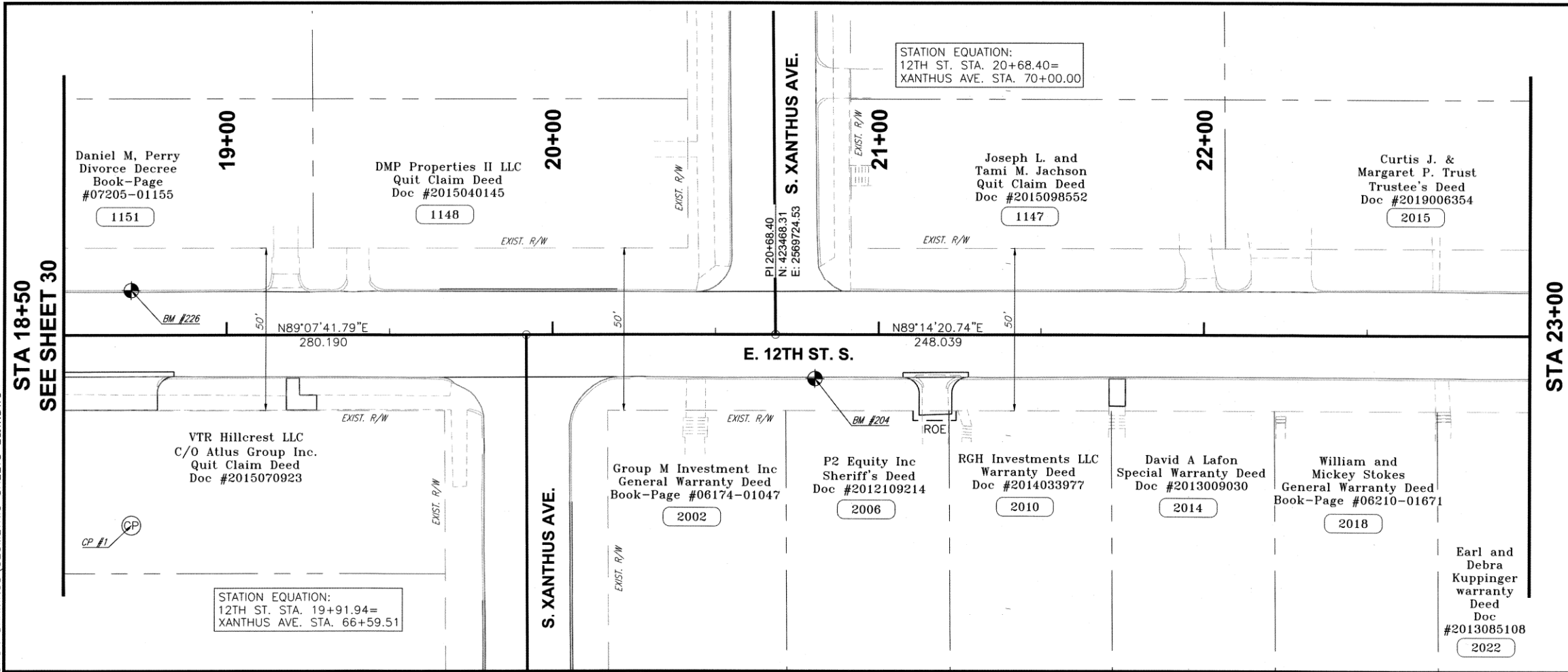
REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:	
-	-	-	1" = 20'	DESIGNED <th>J.L.C.</th> <th>7/2025</th>	J.L.C.	7/2025		
-	-	-	PROFILE SCALES:	SURVEY <th>B.B.</th> <th>11/2020</th> <td rowspan="2"> DESIGN MANAGER</td>	B.B.	11/2020	 DESIGN MANAGER	
-	-	-		HORIZONTAL:	PROJ. MGR.	SMW		10/25
-	-	-	N/A		LEAD ENGR.			 DESIGN MANAGER
-	-	-	VERTICAL	FIELD MGR.				
-	-	-	N/A					
-	-	-	DRAWING: SURVEY DATA E&W.DWG				DATE	01.30.26
-	-	-	ATLAS PAGE NO: 3, 14				SHEET 29 OF 102	

PLOT DATE: July 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021\072\PRODUCTION DRAWINGS\GEOMETRIC SHEETS E&W.DWG



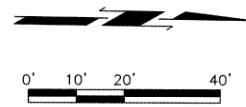
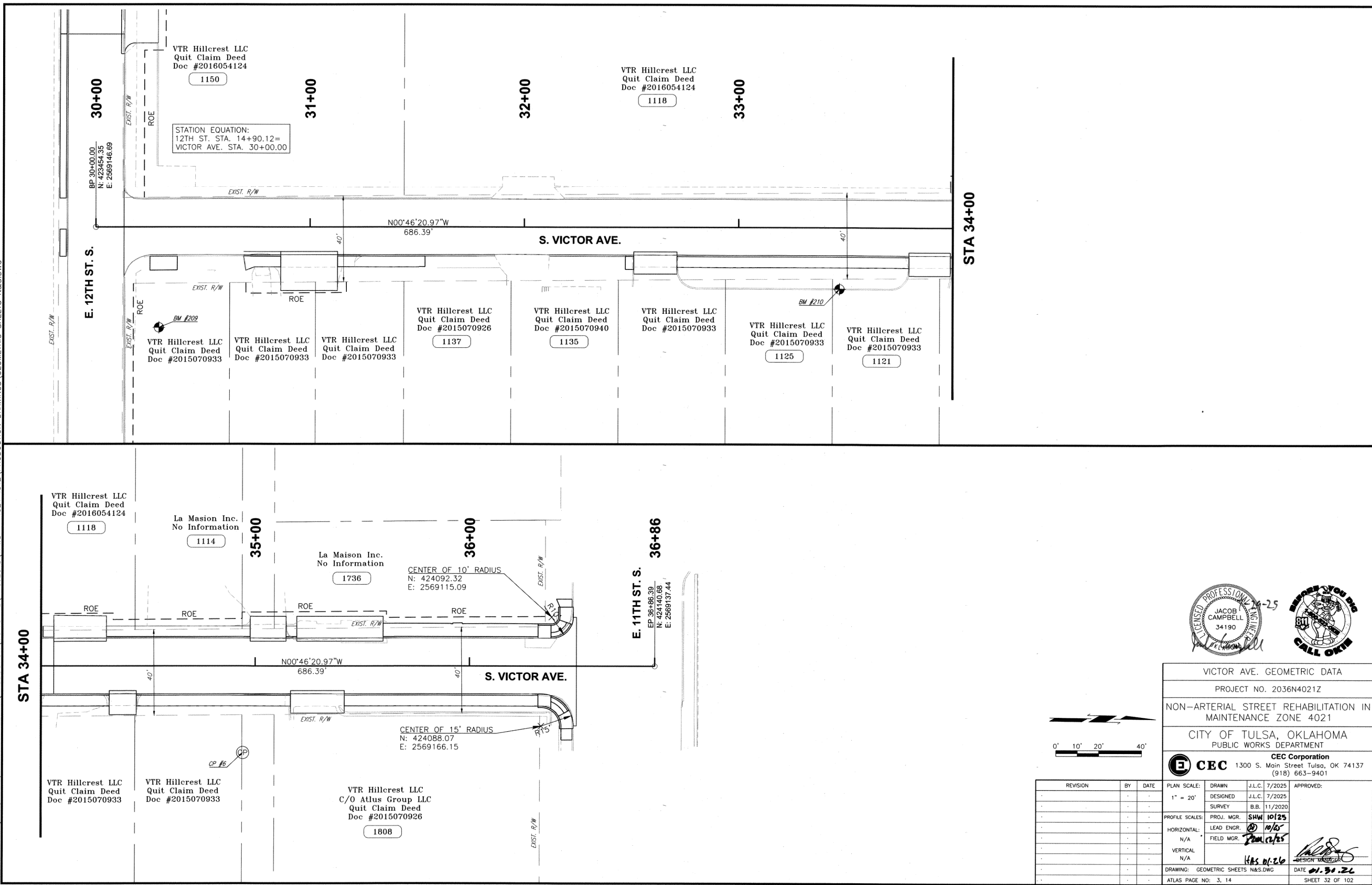
12TH ST. GEOMETRIC DATA (1 OF 2)			
PROJECT NO. 2036N4021Z			
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT			
 CEC Corporation 1300 S. Main Street Tulsa, OK 74137 (918) 663-9401			
PLAN SCALE:	DRAWN	J.L.C.	7/2025
1" = 20'	DESIGNED	J.L.C.	7/2025
	SURVEY	B.B.	11/2020
PROFILE SCALES:	PROJ. MGR.	SWM	10/25
HORIZONTAL:	LEAD ENGR.	DP	10/25
	FIELD MGR.	DP	10/25
N/A			
VERTICAL			
N/A			
HKS 01.26			 DESIGNER/AMENDER
DRAWING:	GEOMETRIC SHEETS E&W.DWG		DATE
ATLAS PAGE NO:	3, 14		01.30.26
			SHEET 30 OF 102

PLOT DATE: July 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021\1072\PRODUCTION DRAWINGS\GEOMETRIC SHEETS E&W.DWG



12TH ST. GEOMETRIC DATA (2 OF 2)			
PROJECT NO. 2036N4021Z			
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT			
CEC Corporation 1300 S. Main Street Tulsa, OK 74137 (918) 663-9401			
REVISION	BY	DATE	APPROVED:
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
PLAN SCALE: 1" = 20'			DESIGNED: J.L.C. 7/2025
SURVEY: B.B. 11/2020			PROJ. MGR. SWW 10/25
HORIZONTAL: N/A			LEAD ENGR. 10/25
VERTICAL: N/A			FIELD MGR. 10/25
DRAWING: GEOMETRIC SHEETS E&W.DWG			DATE 01.30.26
ATLAS PAGE NO: 3, 14			SHEET 31 OF 102

PLOT DATE: July 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021\072\PRODUCTION DRAWINGS\GEOMETRIC SHEETS N&S.DWG



VICTOR AVE. GEOMETRIC DATA			
PROJECT NO. 2036N4021Z			
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT			
CEC Corporation 1300 S. Main Street Tulsa, OK 74137 (918) 663-9401			
REVISION	BY	DATE	APPROVED:
1	J.L.C.	7/2025	
2	J.L.C.	7/2025	
3	J.L.C.	7/2025	
4	J.L.C.	7/2025	
PROFILE SCALES:		PROJ. MGR. SHW 10/25	
HORIZONTAL:		LEAD ENGR. 10/25	
VERTICAL:		FIELD MGR. 10/25	
DRAWING: GEOMETRIC SHEETS N&S.DWG			DATE 01.30.26
ATLAS PAGE NO: 3, 14			SHEET 32 OF 102

REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C. 7/2025	APPROVED:  J. L. C.
-	-	-	1" = 20'	DESIGNED	J.L.C. 7/2025	
-	-	-		SURVEY	B.B. 11/2020	
-	-	-	PROFILE SCALES:	PROJ. MGR.	SHW 10/25	
-	-	-	HORIZONTAL:	LEAD ENGR.	DD 10/25	
-	-	-	N/A	FIELD MGR.	Ben 12/25	
-	-	-	VERTICAL			
-	-	-	N/A		14% 01-26	
-	-	-	DRAWING: GEOMETRIC SHEETS N&S.DWG	DATE 01-30-26		
-	-	-	ATLAS PAGE NO: 3, 14		SHEET 33 OF 102	

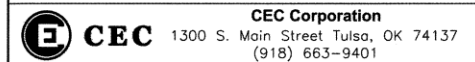
A circular professional engineer seal for Jacob Campbell, No. 34790, State of Oklahoma. The seal features the text "LICENSED PROFESSIONAL ENGINEER" around the top inner edge and "OKLAHOMA" around the bottom inner edge. The center contains the name "JACOB CAMPBELL" and the number "34790". There is a handwritten signature across the seal.



PROJECT NO. 2036N4021Z

NON-ARTERIAL STREET REHABILITATION IN
MAINTENANCE ZONE 4021

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT



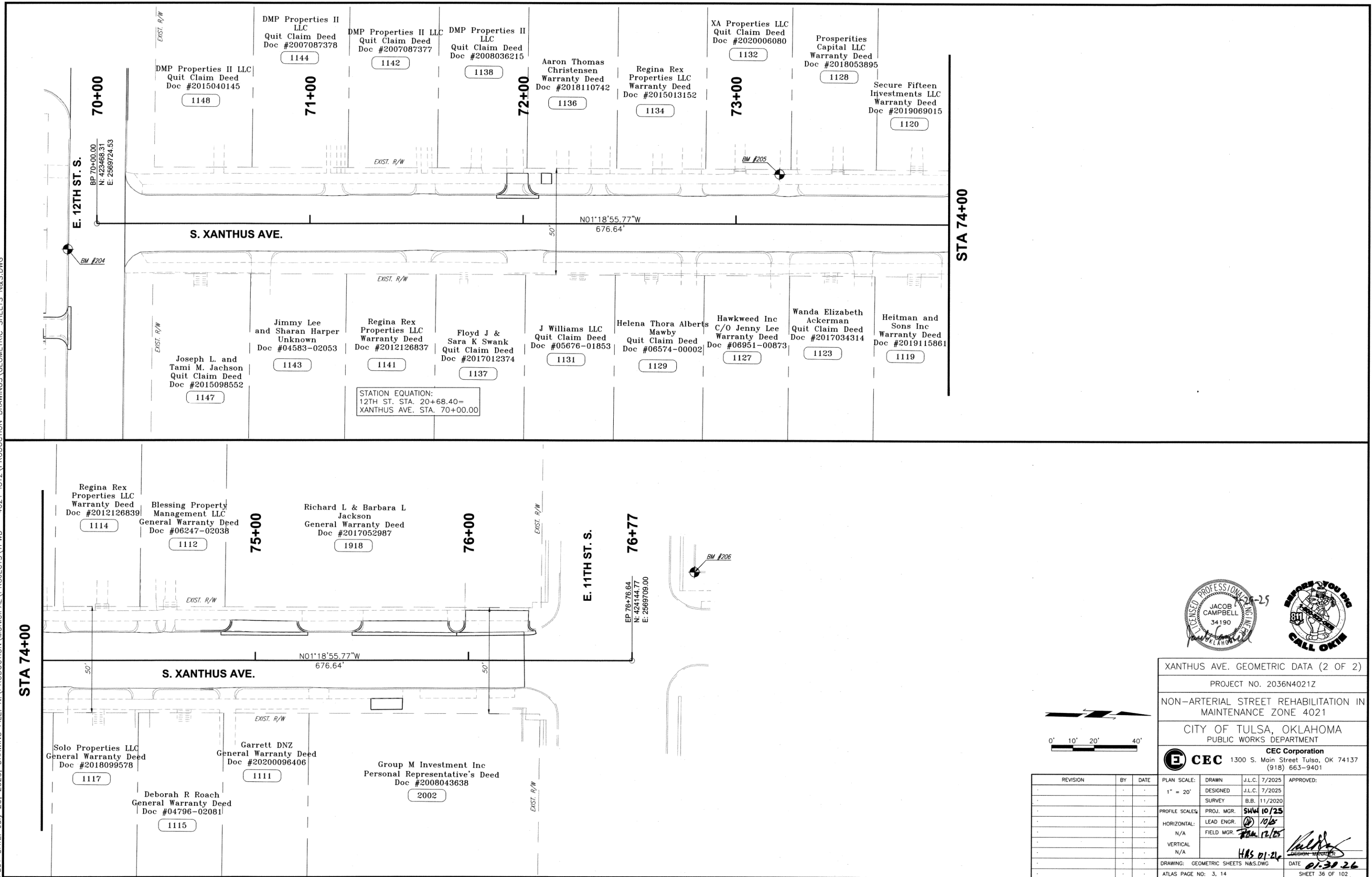
REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:
-	-	-	1" = 20'	DESIGNED	J.L.C.	7/2025	
-	-	-		SURVEY	B.B.	11/2020	APPROVED:
-	-	-	PROFILE SCALES:	PROJ. MGR.	SMW	10/25	
-	-	-	HORIZONTAL:	LEAD ENGR.	DD	11/25	APPROVED:
-	-	-	N/A	FIELD MGR.	DM	12/25	
-	-	-	VERTICAL				APPROVED:
-	-	-	N/A				
-	-	-	DRAWING: GEOMETRIC SHEETS N&S.DWG				APPROVED:
-	-	-	ATLAS PAGE NO: 3, 14				



CEC Corporation
1300 S. Main Street Tulsa, OK 74137
(918) 663-9401

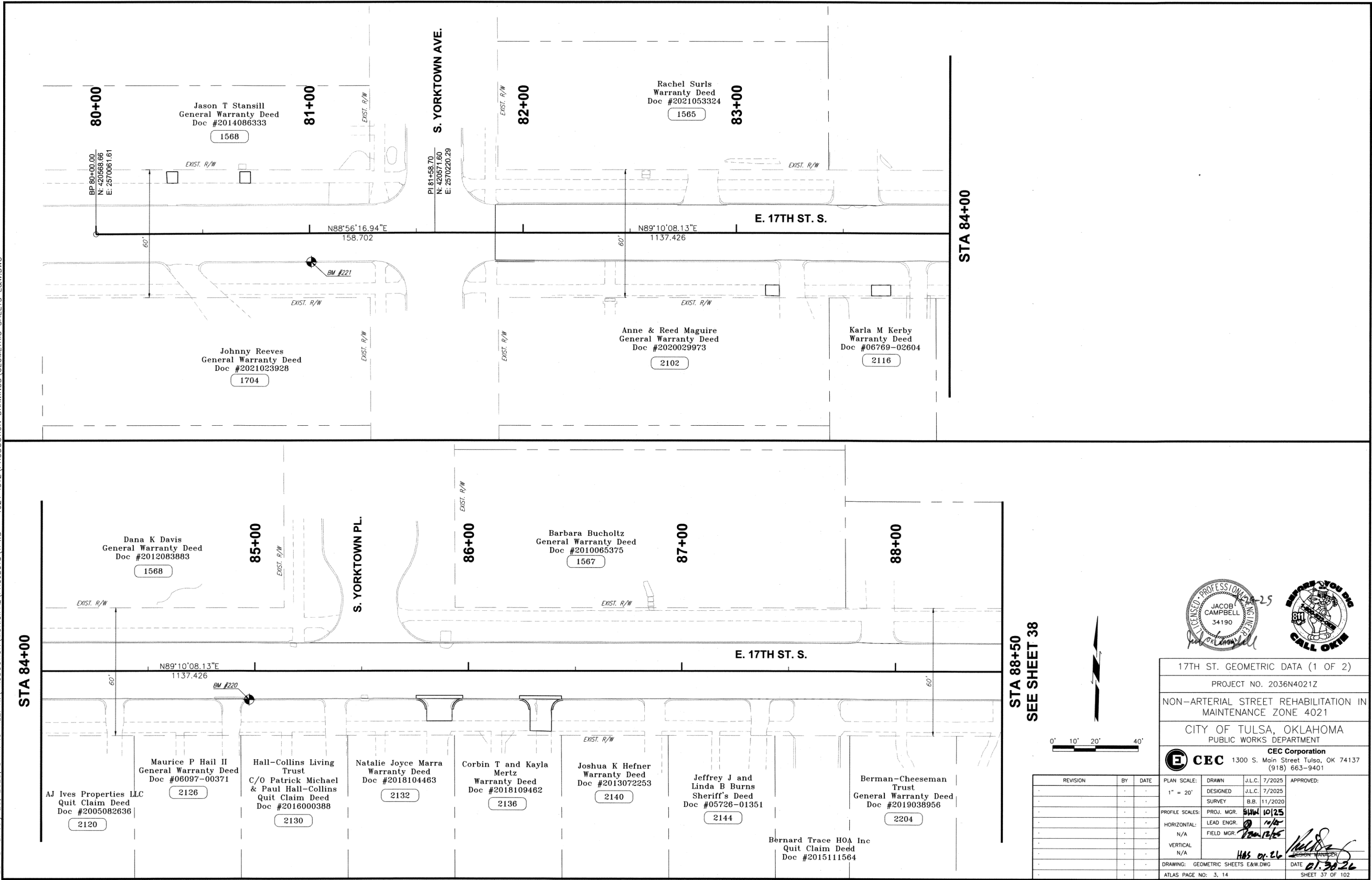
REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C. 7/2025	APPROVED:
-	-	-	1" = 20'	DESIGNED	J.L.C. 7/2025	
-	-	-		SURVEY	B.B. 11/2020	
-	-	-	PROFILE SCALES:	PROJ. MGR.	<u>SWW</u> 10/25	
-	-	-	HORIZONTAL:	LEAD ENGR.	① 10/25	
-	-	-	N/A	FIELD MGR.	<u>SWW</u> 10/25	
-	-	-	VERTICAL			
-	-	-	N/A			
-	-	-	DRAWING: GEOMETRIC SHEETS N&S.DWG			
-	-	-	ATLAS PAGE NO: 3, 14			


 DESIGN MANAGER
 DATE 01-30-26
 SHEET 35 OF 102



PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:
1" = 20'	DESIGNED	J.L.C.	7/2025	
	SURVEY	B.B.	11/2020	
PROFILE SCALES:	PROJ. MGR.	SHW 10/25		
HORIZONTAL:	LEAD ENGR.	DP	10/25	 REGION MANAGER
N/A	FIELD MGR.	FOR	12/25	
VERTICAL		HAS 01-26		
N/A				
DRAWING: GEOMETRIC SHEETS N&S.DWG				
ATLAS PAGE NO: 3, 14				DATE 01-31-26
				SHEET 36 OF 122

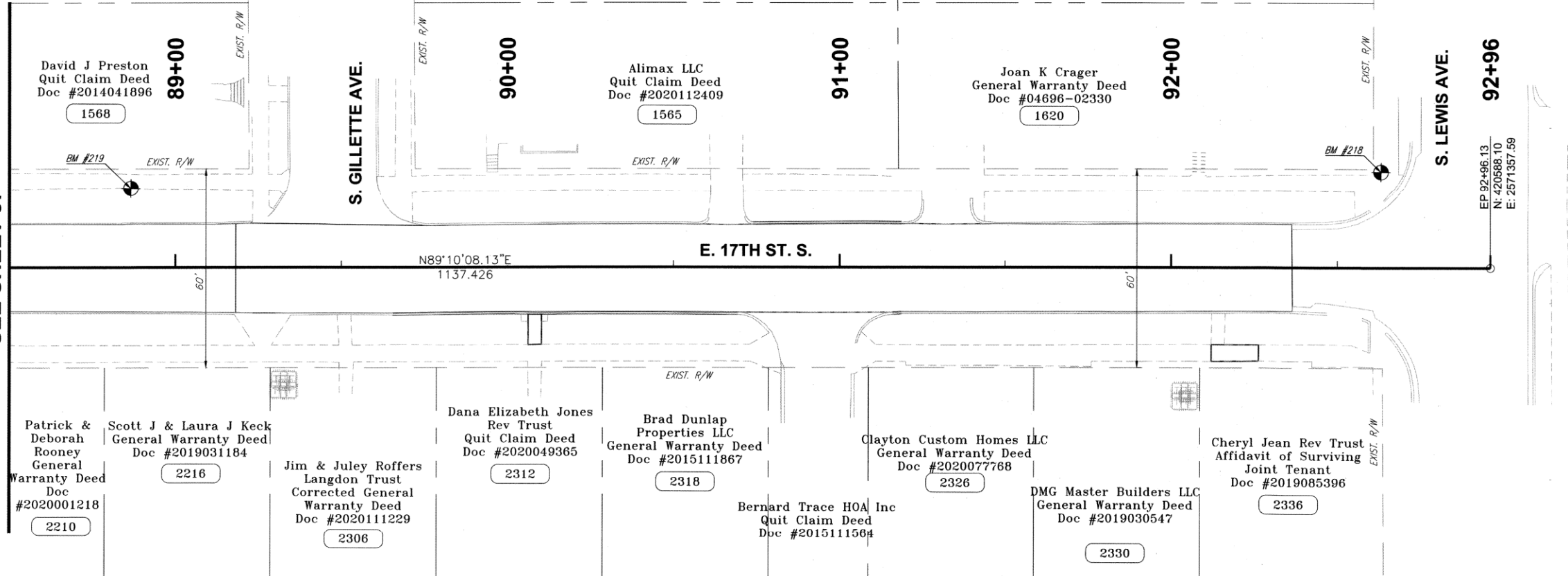
PLOT DATE: JULY 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021\072\PRODUCTION DRAWINGS\GEOMETRIC SHEETS E&W.DWG



17TH ST. GEOMETRIC DATA (1 OF 2)	
PROJECT NO. 2036N4021Z	
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021	
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT	
CEC Corporation 1300 S. Main Street Tulsa, OK 74137 (918) 663-9401	
PLAN SCALE: 1" = 20'	DRAWN: J.L.C. 7/2025
DESIGNED: J.L.C. 7/2025	APPROVED: [Signature]
SURVEY: B.B. 11/2020	
PROFILE SCALES: PROJ. MGR. [Signature] 10/25	
LEAD ENGR. [Signature]	
FIELD MGR. [Signature]	
HORIZONTAL: N/A	
VERTICAL: N/A	
DRAWING: GEOMETRIC SHEETS E&W.DWG	DATE: 07.30.26
ATLAS PAGE NO: 3, 14	SHEET 37 OF 102

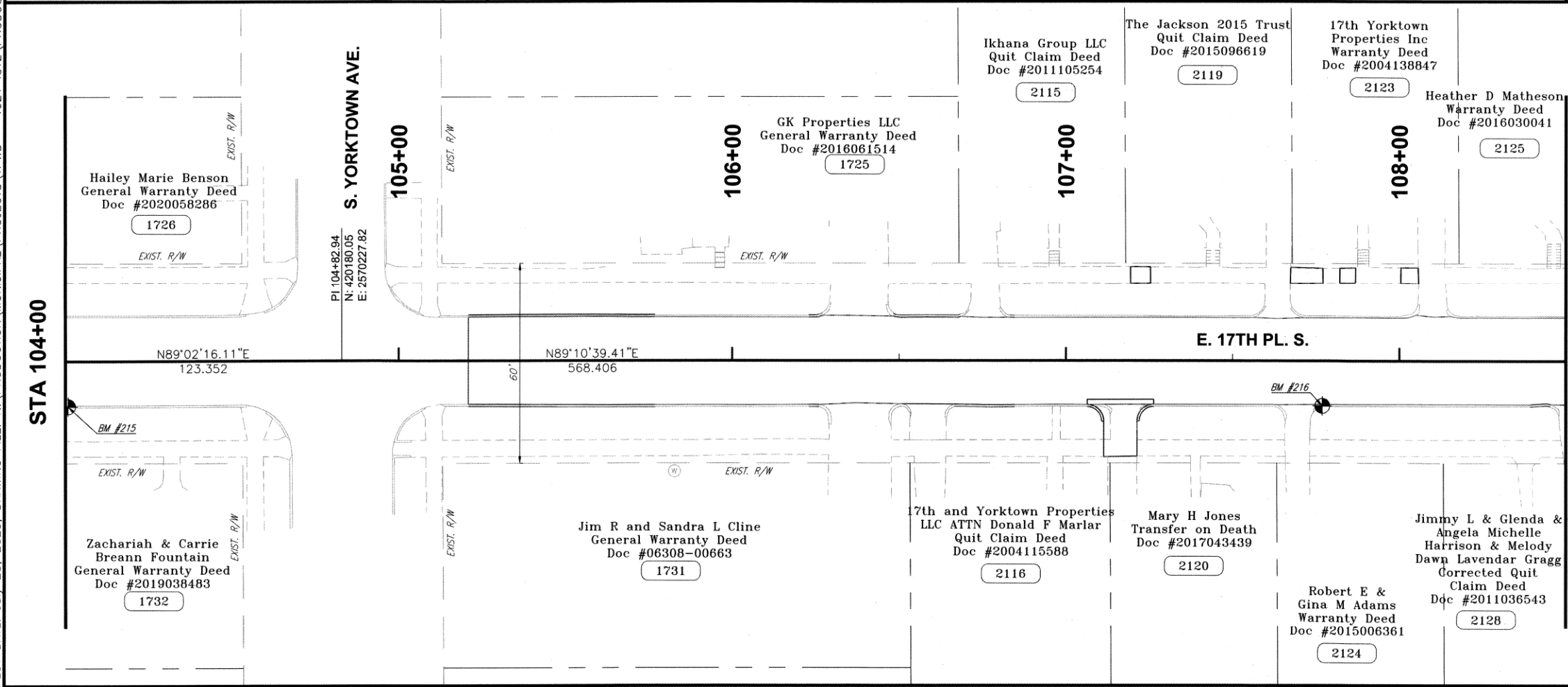
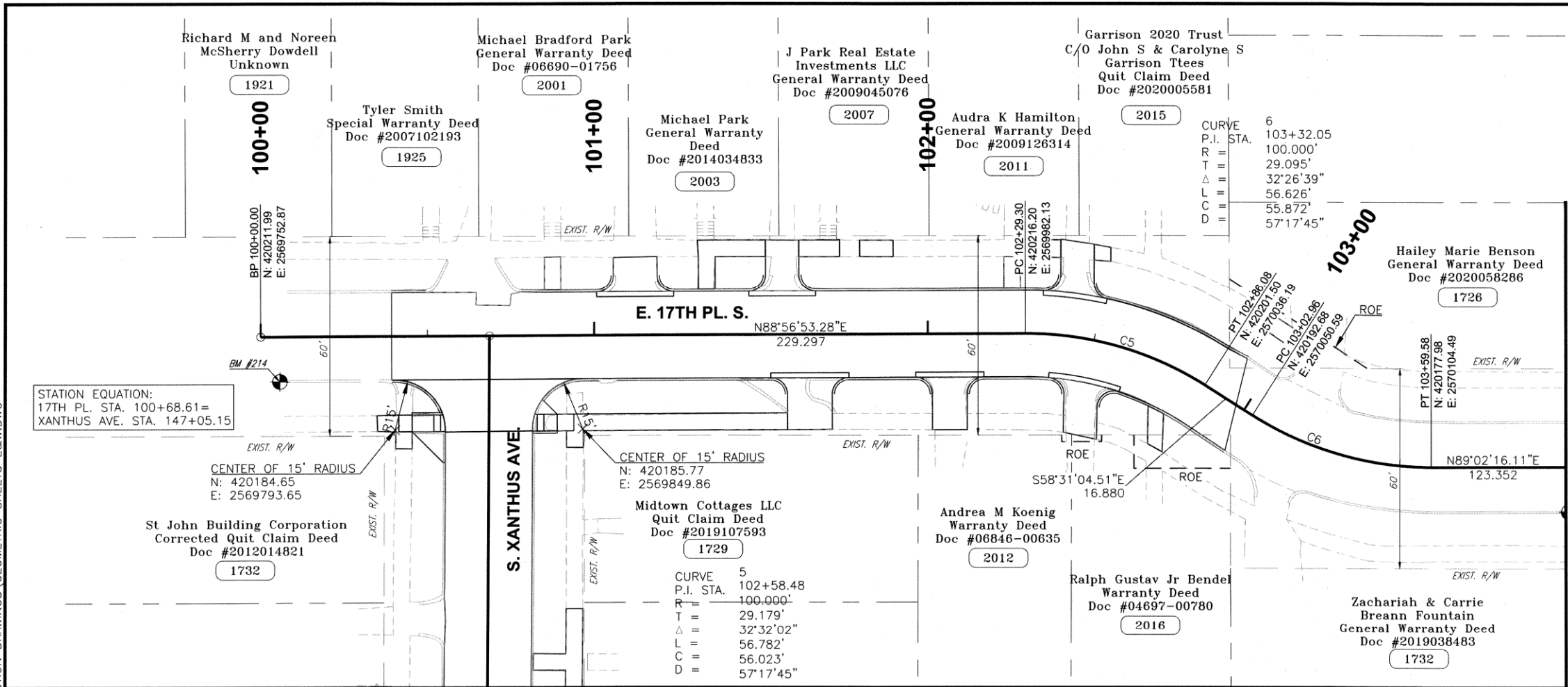
PLOT DATE: July 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021\072\PRODUCTION DRAWINGS\GEOMETRIC SHEETS E&W.DWG

STA 88+50
SEE SHEET 37



17TH ST. GEOMETRIC DATA (2 OF 2)			
PROJECT NO. 2036N4021Z			
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT			
CEC Corporation 1300 S. Main Street Tulsa, OK 74137 (918) 663-9401			
REVISION	BY	DATE	APPROVED:
1	J.L.C.	7/2025	
2	J.L.C.	7/2025	
3	J.L.C.	7/2025	
4	J.L.C.	7/2025	
5	J.L.C.	7/2025	
6	J.L.C.	7/2025	
7	J.L.C.	7/2025	
8	J.L.C.	7/2025	
9	J.L.C.	7/2025	
10	J.L.C.	7/2025	
DRAWING: GEOMETRIC SHEETS E&W.DWG			DATE: 01-30-26
ATLAS PAGE NO: 3, 14			SHEET 38 OF 102

PLOT DATE: JULY 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021\012\PRODUCTION DRAWINGS\GEOMETRIC SHEETS E&W.DWG



STA 104+00

STA 108+50
SEE SHEET 40

17TH PL. GEOMETRIC DATA (1 OF 2)

PROJECT NO. 2036N4021Z

NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

CEC Corporation

1300 S. Main Street Tulsa, OK 74137

(918) 663-9401

DESIGNED

J.L.C. 7/2025

SURVEY

B.B. 11/2020

PROJ. MGR.

SM 10/25

LEAD ENGR.

10/25

FIELD MGR.

10/25

HAS 01-26

DESIGN MANAGER

APPROVED:

DATE

01-20-26

REVISION

BY

DATE

PLAN SCALE:

1" = 20'

PROFILE SCALES:

HORIZONTAL:

N/A

VERTICAL:

N/A

DRAWING:

GEOMETRIC SHEETS E&W.DWG

ATLAS PAGE NO:

3, 14

PROFESSIONAL ENGINEER

JACOB CAMPBELL

34190

REGISTERED PROFESSIONAL

10-25

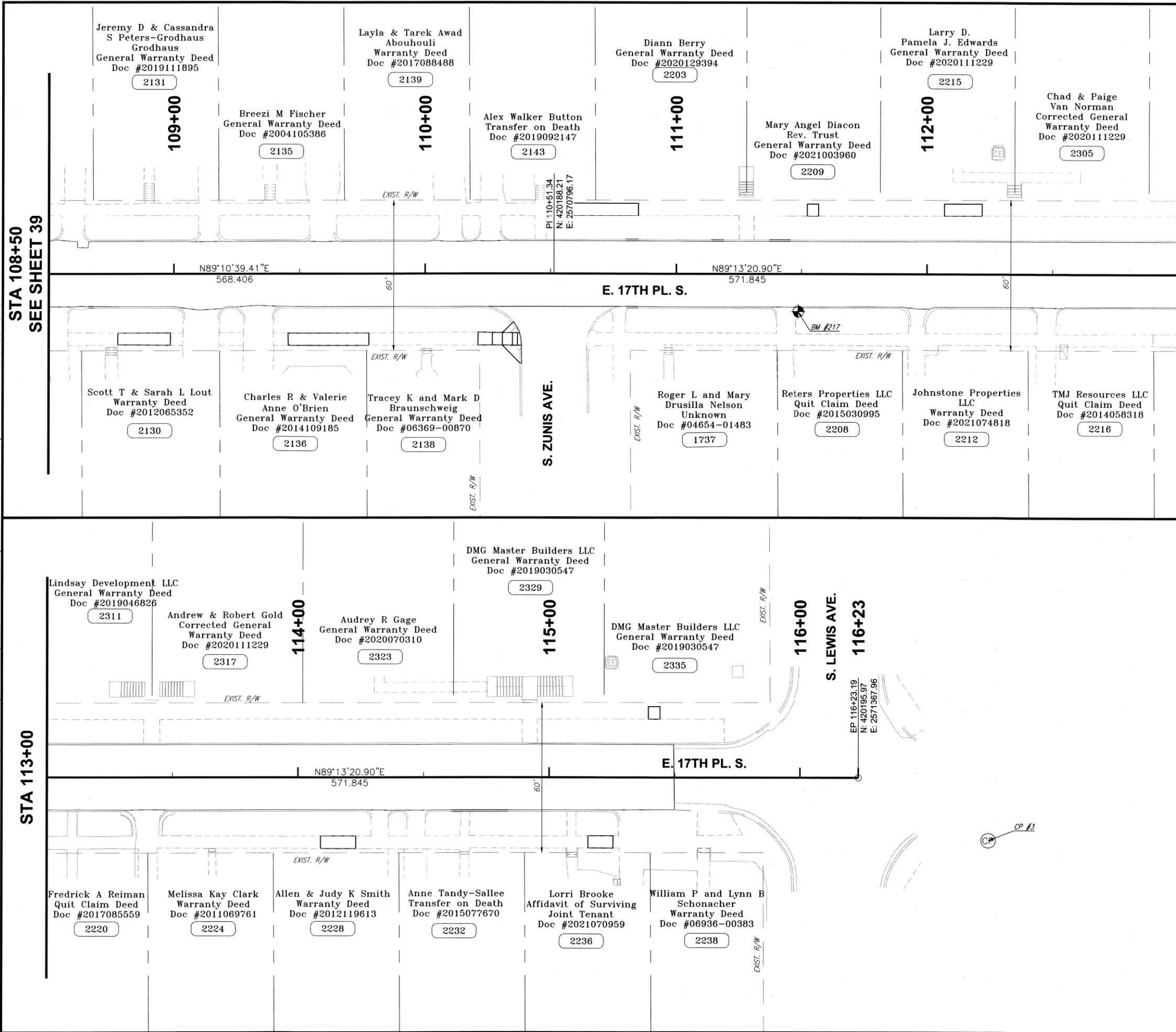
CALL OR

PLOT DATE: July 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021\072\PRODUCTION DRAWINGS\GEOMETRIC SHEETS E&W.DWG

STA 108+50
SEE SHEET 39

STA 113+00

STA 113+00



17TH PL. GEOMETRIC DATA (2 OF 2)

PROJECT NO. 2036N4021Z

NON-ARTERIAL STREET REHABILITATION IN
MAINTENANCE ZONE 4021

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

CEC Corporation
1300 S. Main Street Tulsa, OK 74137
(918) 663-9401

REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:
-	-	-	1" = 20'	DESIGNED	J.L.C.	7/2025	
-	-	-		SURVEY	B.B.	11/2020	
-	-	-	PROFILE SCALES:	PROJ. MGR.	SWW	10/25	
-	-	-	HORIZONTAL:	LEAD ENGR.	SWW	10/25	
-	-	-	N/A	FIELD MGR.	SWW	10/25	
-	-	-	VERTICAL:				
-	-	-	N/A				
-	-	-	DRAWING:	GEOMETRIC SHEETS E&W.DWG			
-	-	-	ATLAS PAGE NO:	3, 14			

DATE 01.30.26
SHEET 40 OF 102

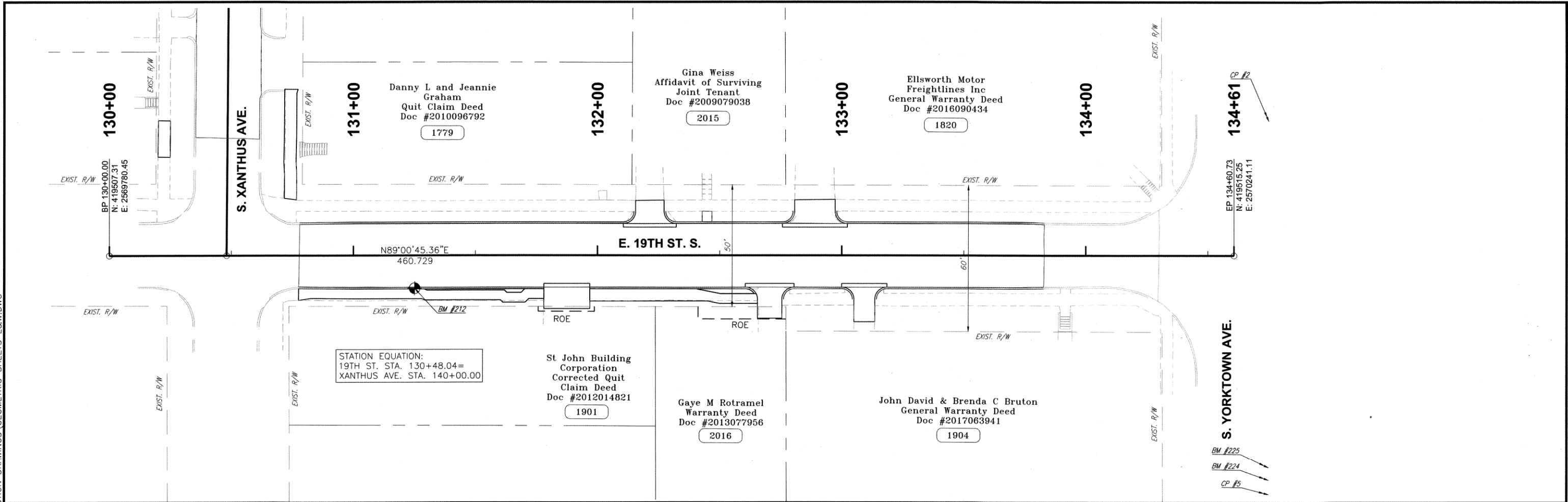
A circular professional engineer seal for Jacob Campbell, License No. 34190, State of Oklahoma. The seal features the text "LICENSED PROFESSIONAL ENGINEER" around the top inner edge and "STATE OF OKLAHOMA" around the bottom inner edge. The center contains the name "JACOB CAMPBELL" and the license number "34190". There is a handwritten signature across the bottom of the seal.



CEC Corporation
1300 S. Main Street Tulsa, OK 74137
(918) 663-9401

REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:
-	-	-	1" = 20'	DESIGNED	J.L.C.	7/2025	
-	-	-		SURVEY	B.B.	11/2020	
-	-	-	PROFILE SCALES:	PROJ. MGR.	<i>SWH</i>	<i>10/25</i>	
-	-	-	HORIZONTAL:	LEAD ENGR.	<i>①</i>	<i>10/25</i>	
-	-	-	N/A	FIELD MGR.	<i>SWH</i>	<i>12/25</i>	
-	-	-	VERTICAL				
-	-	-	N/A				
-	-	-	DRAWING: GEOMETRIC SHEETS E&W.DWG				
-	-	-	ATLAS PAGE NO: 3, 14				
-	-	-					

PLOT DATE: JULY 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021\012\PRODUCTION DRAWINGS\GEOMETRIC SHEETS E&W.DWG



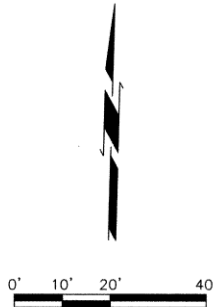
STATION EQUATION:
19TH ST. STA. 130+48.04=
XANTHUS AVE. STA. 140+00.00

St John Building
Corporation
Corrected Quit
Claim Deed
Doc #2012014821
1901

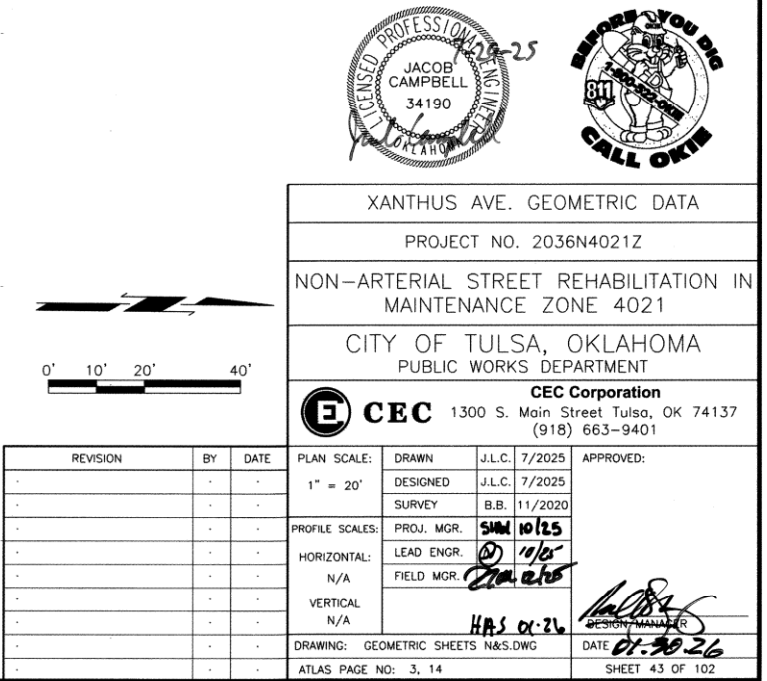
Gaye M Rotramel
Warranty Deed
Doc #2013077956
2016

John David & Brenda C Bruton
General Warranty Deed
Doc #2017063941
1904

BM #225
BM #224
CP #5



19TH ST. GEOMETRIC DATA (2 OF 2)			
PROJECT NO. 2036N4021Z			
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT			
CEC Corporation 1300 S. Main Street Tulsa, OK 74137 (918) 663-9401			
REVISION	BY	DATE	PLAN SCALE: DRAWN J.L.C. 7/2025 DESIGNED J.L.C. 7/2025 SURVEY B.B. 11/2020
			PROFILE SCALES: PROJ. MGR. SMW 1012.5 LEAD ENGR. 10/25 FIELD MGR. 12/25
			HORIZONTAL: N/A VERTICAL: N/A
			DRAWING: GEOMETRIC SHEETS E&W.DWG ATLAS PAGE NO: 3, 14
			APPROVED: HAS 01-26 DATE: 7-30-26 SHEET 42 OF 102



PATCH QUANTITIES AND LOCATIONS SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION WITH FIELD AND DESIGN ENGINEERING.

LEGEND

RECONSTRUCT ROADWAY	
MILL, PATCH AND OVERLAY	
EDGE MILL, PATCH AND OVERLAY	

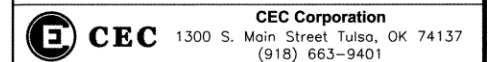


ROADWAY KEY MAP (1 OF 2)

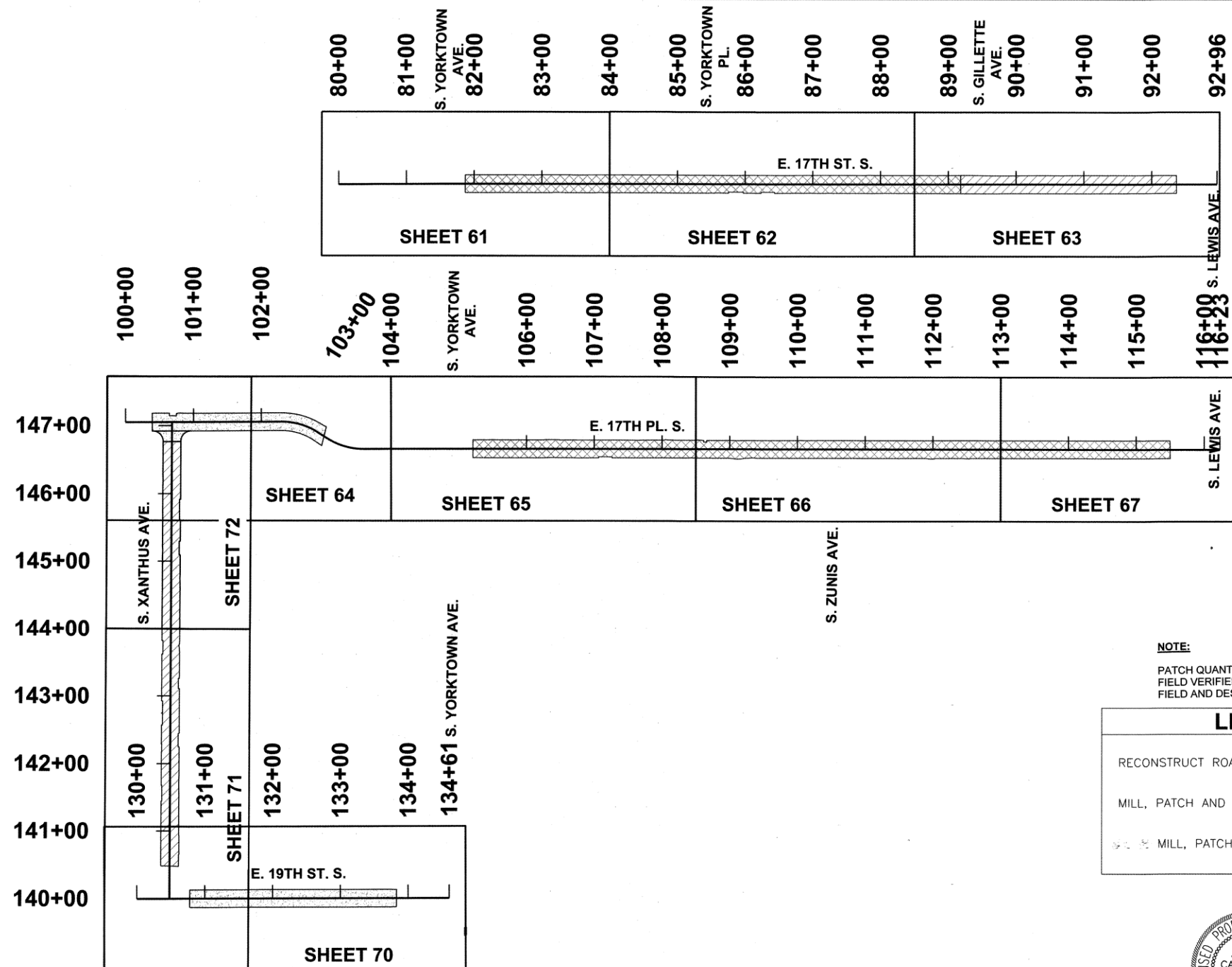
PROJECT NO. 2036N4021Z

NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT



REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C. 7/2025	APPROVED:
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PATCH QUANTITIES AND LOCATIONS SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION WITH FIELD AND DESIGN ENGINEERING.

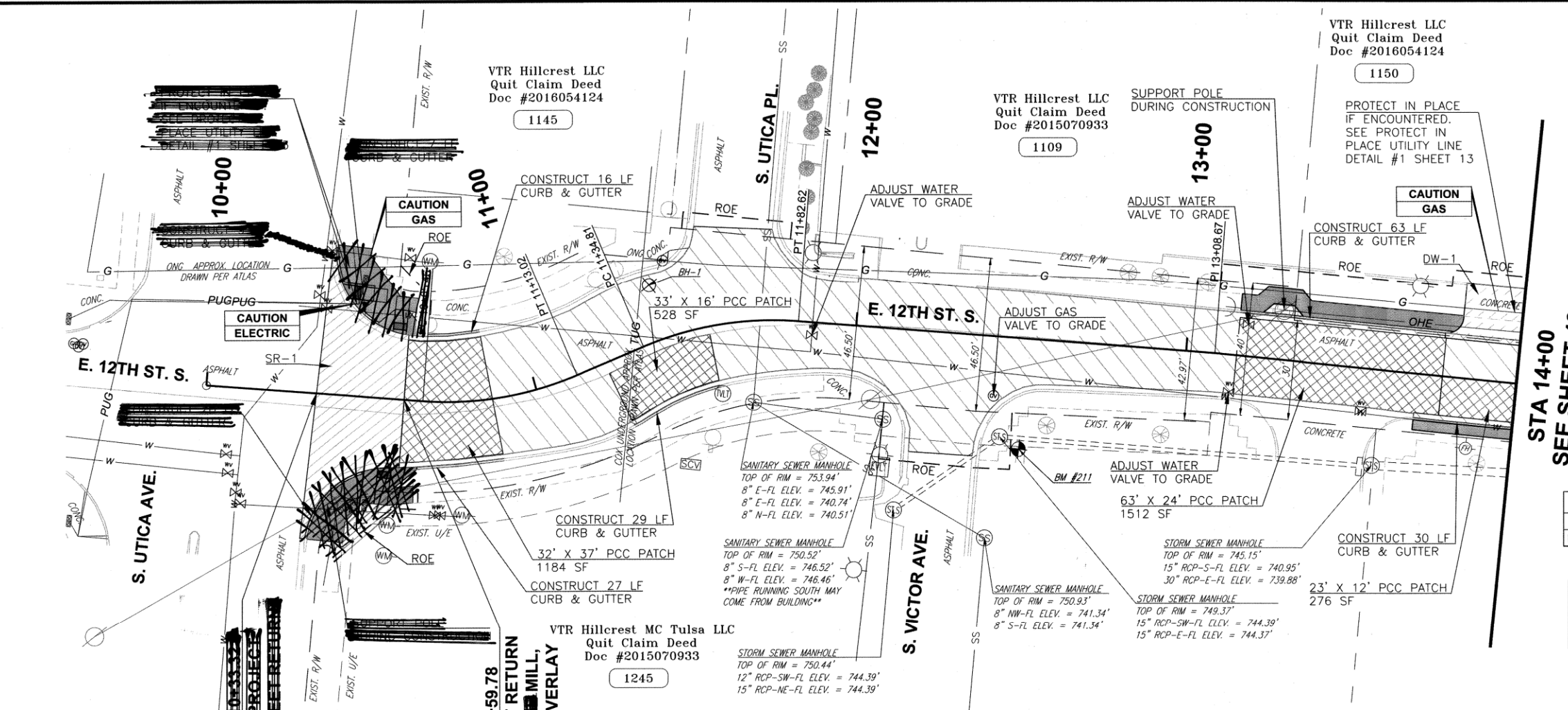
RECONSTRUCT ROADWAY	
MILL, PATCH AND OVERLAY	
MILL, PATCH AND OVERLAY	



CEC Corporation
1300 S. Main Street Tulsa, OK 74137
(918) 663-9401

REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:	
-	-	-	1" = 100'	DESIGNED	J.L.C.	7/2025		
-	-	-	PROFILE SCALES:	SURVEY	B.B.	11/2020		
-	-	-		PROJ. MGR.	SHW	10/25		
-	-	-		HORIZONTAL:	LEAD ENGR.	JD		10/25
-	-	-	N/A	FIELD MGR.	RAW	10/25		
-	-	-	VERTICAL		10/25			
-	-	-	N/A					
-	-	-	DRAWING: ROADWAY KEY MAP.DWG				DATE	01.30.26
-	-	-	ATLAS PAGE NO: 3, 14				SHEET 46 OF 102	

PLOT DATE: July 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021 IOT2\PRODUCTION DRAWINGS\4021 IOT2 12TH ST. P&PS.DWG



LEGEND

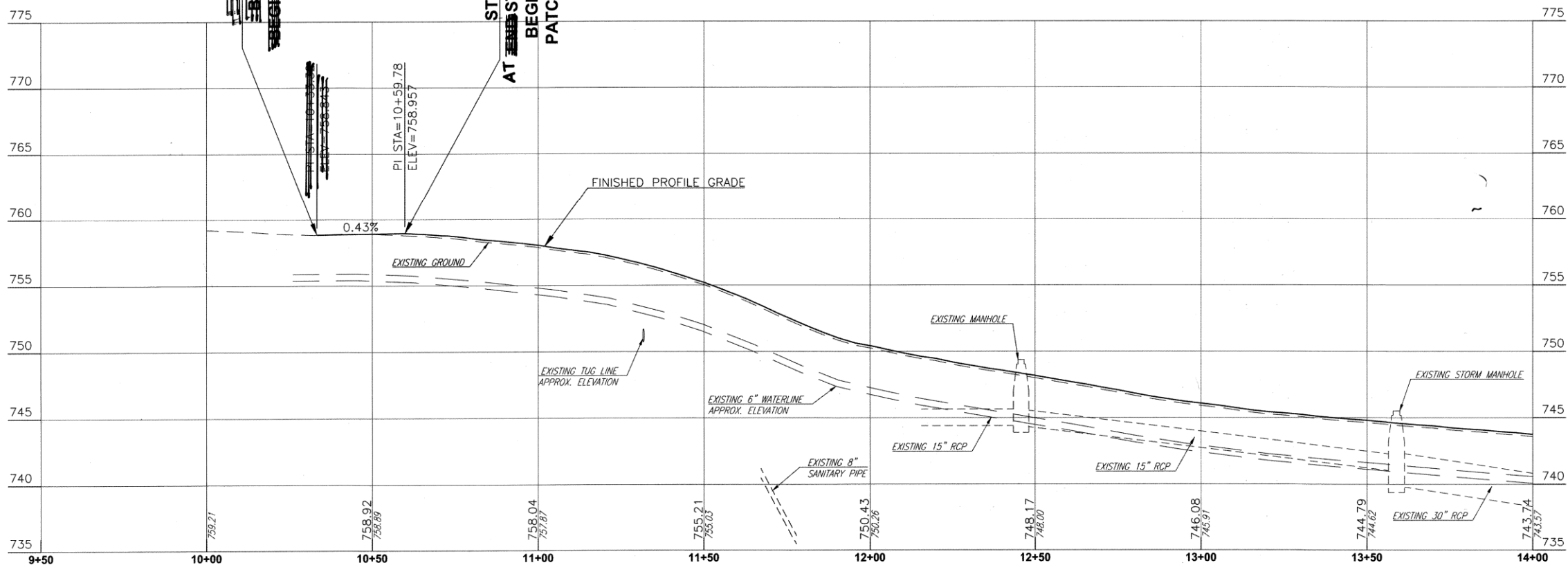
- 1 DRAINAGE STRUCTURE NUMBER
- 1234 NEAREST ADDRESS
- PROPOSED RECONSTRUCTION
- PROPOSED MILL & OVERLAY
- PROPOSED PATCH
- REMOVE AND REPLACE CURB AND GUTTER
- PROPOSED DRIVE
- PROPOSED STREET RETURN
- PROPOSED SIDEWALK
- PROPOSED STAMPED SIDEWALK
- BORE HOLE LOCATION
- BENCHMARK

NOTE:
SEE TYPICAL SECTIONS FOR PAVEMENT DEPTH AND OTHER DETAILS

BENCHMARK TABLE				
NO.	NORTHING	EASTING	ELEV.	DESCRIPTION
BM 211	423417.0	2568909.4	749.01	BM SET CUT X ON NW COR OF CONC PAD

STREET RETURN AND DRIVE SUMMARY TABLE									
DRIVE NO.	CENTERLINE STATION	TYPE		LT./RT.	WIDTH X LENGTH	RADIUS (FT)	AREA (SQ)	EX. SLOPE (%)	PROP. SLOPE (%)
		EXIST.	PROP.						
SR-1	N/A	ASPHALT	ASPHALT	N/A	41 X 27	25	143	0.28	0.43
1	13+93.19	CONCRETE	CONCRETE	LT	22 X 18	5	45	9.94	4.35

NOTE:
PATCH QUANTITIES AND LOCATIONS SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION WITH FIELD AND DESIGN ENGINEERING.



EXISTING HORIZONTAL UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE AND MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION



12TH ST. PLAN & PROFILE (1 OF 4)

PROJECT NO. 2036N4021Z

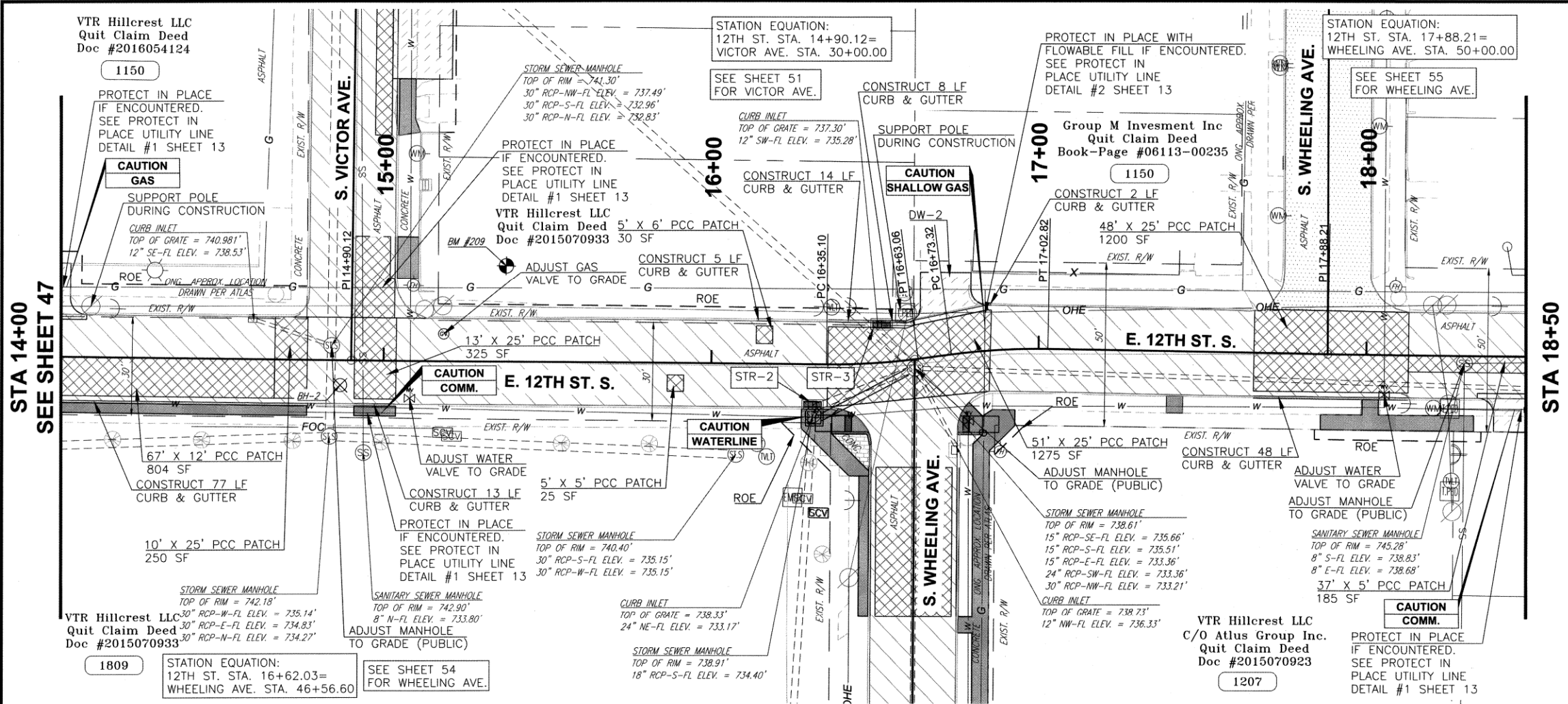
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

CEC Corporation
1300 S. Main Street Tulsa, OK 74137
(918) 663-9401

REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:
-	-	-	1" = 20'	DESIGNED	J.L.C.	7/2025	-
-	-	-	-	SURVEY	B.B.	11/2020	-
-	-	-	PROFILE SCALES:	PROJ. MGR.	SWH	10/25	-
-	-	-	HORIZONTAL:	LEAD ENGR.	D	4/6	-
-	-	-	1" = 20'	FIELD MGR.	JM	12/6	-
-	-	-	VERTICAL:	-	-	-	-
-	-	-	1" = 5'	-	-	-	-
-	-	-	DRAWING: 4021 IOT2 12TH ST. P&PS.DWG	-	-	-	DATE 01-30-26
-	-	-	ATLAS PAGE NO: 3, 14	-	-	-	SHEET 47 OF 102

PLOT DATE: JULY 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021 IOT2\PRODUCTION DRAWINGS\4021 IOT2 12TH ST. P&PS.DWG



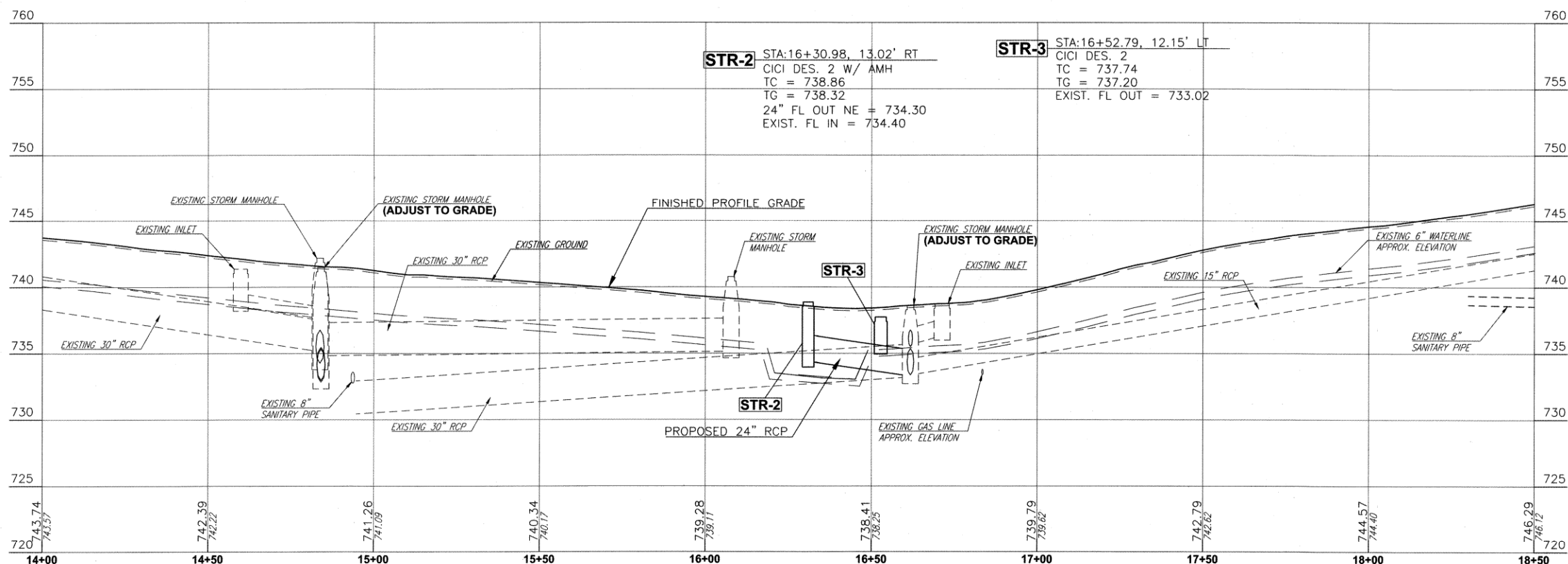
LEGEND	
1	DRAINAGE STRUCTURE NUMBER
1234	NEAREST ADDRESS
	PROPOSED RECONSTRUCTION
	PROPOSED MILL & OVERLAY
	PROPOSED PATCH
	REMOVE AND REPLACE CURB AND GUTTER
	PROPOSED DRIVE
	PROPOSED STREET RETURN
	PROPOSED SIDEWALK
	PROPOSED STAMPED SIDEWALK
	BORE HOLE LOCATION
	BENCHMARK
NOTE: SEE TYPICAL SECTIONS FOR PAVEMENT DEPTH AND OTHER DETAILS	

BENCHMARK TABLE				
NO.	NORTHING	EASTING	ELEV.	DESCRIPTION
BM 209	423484.5	2569193.2	741.82	BM SET 5/8IP FLUSH

STREET RETURN AND DRIVE SUMMARY TABLE										
DRIVE NO.	CENTERLINE STATION	TYPE		LT./RT.	WIDTH X LENGTH	RADIUS (FT)	AREA (SQ)	EX. SLOPE (%)	PROP. SLOPE (%)	
		EXIST.	PROP.							
2	16+74.68	CONCRETE	CONCRETE	LT	16 X 14	5	27	19.89	12.02	

NOTE:

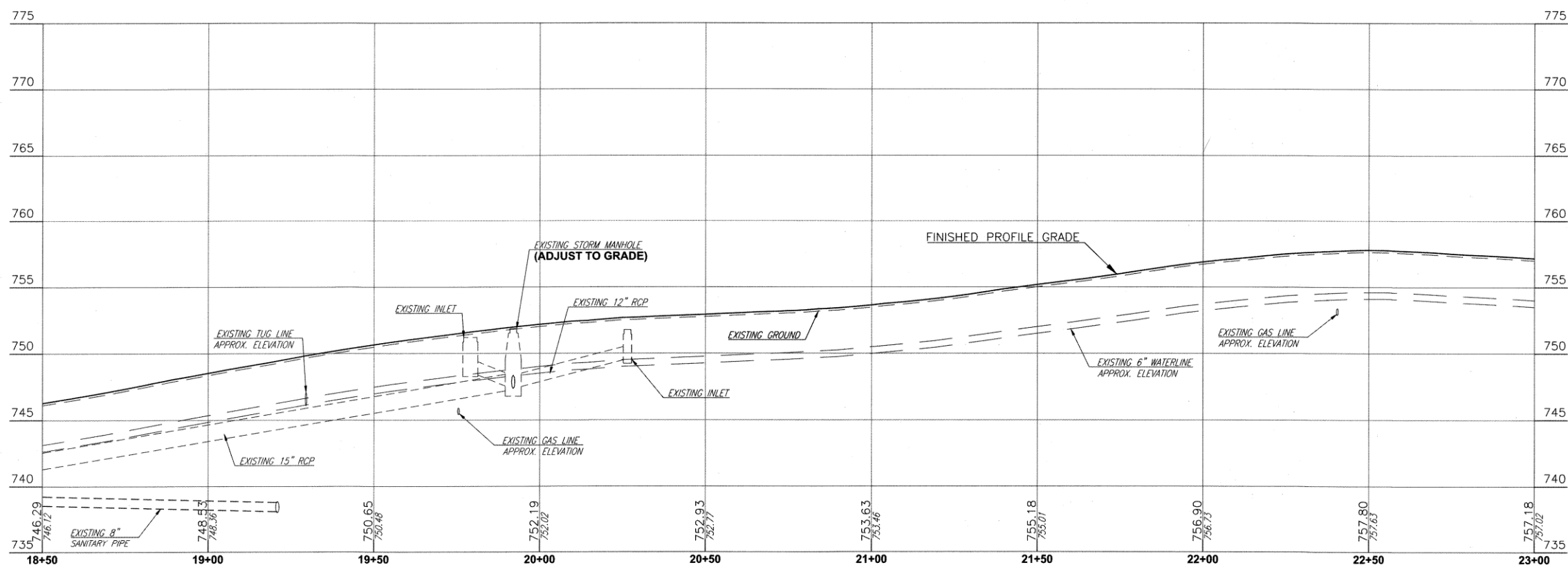
PATCH QUANTITIES AND LOCATIONS SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION WITH FIELD AND DESIGN ENGINEERING.



EXISTING HORIZONTAL UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE AND MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION



12TH ST. PLAN & PROFILE (2 OF 4)	
PROJECT NO. 2036N4021Z	
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021	
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT	
CEC Corporation 1300 S. Main Street Tulsa, OK 74137 (918) 663-9401	
REVISION	BY DATE
PLAN SCALE:	DRAWN J.L.C. 7/2025
1" = 20'	DESIGNED J.L.C. 7/2025
	SURVEY B.B. 11/2020
PROFILE SCALES:	PROJ. MGR. SWM 10/25
HORIZONTAL:	LEAD ENGR. D 10/25
1" = 20'	FIELD MGR. P 10/25
VERTICAL:	1" = 5'
DRAWING: 4021 IOT2 12TH ST. P&PS.DWG	DATE 01.30.26
ATLAS PAGE NO: 3, 14	SHEET 48 OF 102



LEGEND	
1	DRAINAGE STRUCTURE NUMBER
1234	NEAREST ADDRESS
	PROPOSED RECONSTRUCTION
	PROPOSED MILL & OVERLAY
	PROPOSED MILL & OVERLAY
	PROPOSED PATCH
	REMOVE AND REPLACE CURB AND GUTTER
	PROPOSED DRIVE
	PROPOSED STREET RETURN
	PROPOSED SIDEWALK
	PROPOSED STAMPED SIDEWALK
	BORE HOLE LOCATION
	BENCHMARK

NOTE:
SEE TYPICAL SECTIONS FOR PAVEMENT DEPTH AND OTHER DETAILS

BENCHMARK TABLE				
NO.	NORTHING	EASTING	ELEV.	DESCRIPTION
BM 204	423454.9	2569736.9	753.07	BM SET CUT X IN TOP OF CURB
BM 226	423479.0	2569526.6	746.84	BM SET CUT X ON TOP OF CURB

CONTROL POINT TABLE				
NO.	NORTHING	EASTING	ELEV.	DESCRIPTION
CP 1	423407.0145	2569527.8467	749.617	CP HERE SET 5/8" IP/CEC CAP

STREET RETURN AND DRIVE SUMMARY TABLE									
DRIVE NO.	CENTERLINE STATION	TYPE		LT./RT.	WIDTH X LENGTH	RADIUS (FT)	AREA (SY)	EX. SLOPE (%)	PROP. SLOPE (%)
		EXIST.	PROP.						
3	18+58.93	CONCRETE	CONCRETE	RT	40 X 12	5	55	8.19	8.86
4	21+17.47	CONCRETE	CONCRETE	RT	10 X 13	5	18	8.01	9.35

NOTE:
PATCH QUANTITIES AND LOCATIONS SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION WITH FIELD AND DESIGN ENGINEERING.

**EXISTING HORIZONTAL UTILITY LOCATIONS
AND DEPTHS ARE APPROXIMATE AND MUST
BE FIELD VERIFIED PRIOR TO CONSTRUCTION**

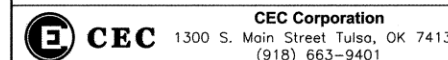


12TH ST. PLAN & PROFILE (3 OF 4)

PROJECT NO. 2036N4021Z

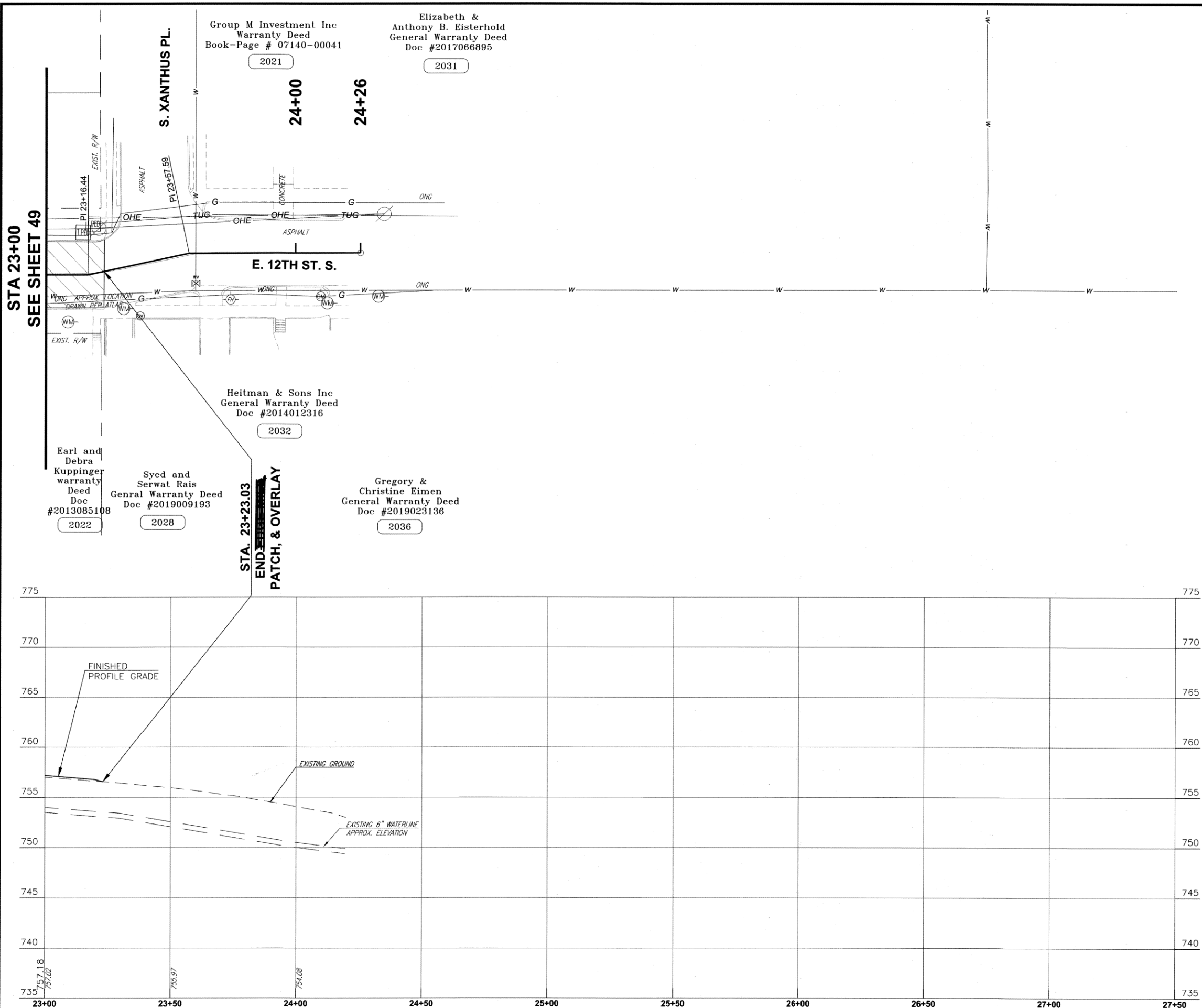
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT



REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:
-	-	-	1" = 20'	DESIGNED	J.L.C.	7/2025	
-	-	-	PROFILE SCALES:	SURVEY	B.B.	11/2020	
-	-	-		PROJ. MGR.	SMW 10/25		
-	-	-		LEAD ENGR.	JD 10/25		
-	-	-	HORIZONTAL:	FIELD MGR.	Duc 10/25		
-	-	-	1" = 20'	HRS 01-26			
-	-	-	VERTICAL				
-	-	-	1" = 5'	DATE 01-29-26			
			DRAWING: 4021 IOT2 12TH ST. P.&PS.DWG	DATE 01-29-26			
			ATLAS PAGE NO. 3 1A	SHEET 49 OF 102			

PLOT DATE: JULY 23, 2025. DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021 IOT2\PRODUCTION DRAWINGS\4021 IOT2 12TH ST. P&PS.DWG



LEGEND

1 DRAINAGE STRUCTURE NUMBER

1234 NEAREST ADDRESS

PROPOSED RECONSTRUCTION

PROPOSED MILL & OVERLAY

PROPOSED MILL & OVERLAY

PROPOSED PATCH

REMOVE AND REPLACE CURB AND GUTTER

PROPOSED DRIVE

PROPOSED STREET RETURN

PROPOSED SIDEWALK

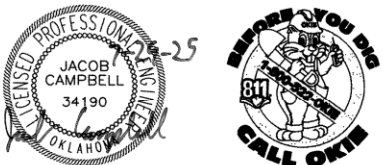
PROPOSED STAMPED SIDEWALK

BORE HOLE LOCATION

BENCHMARK

NOTE:
SEE TYPICAL SECTIONS FOR PAVEMENT DEPTH AND OTHER DETAILS

EXISTING HORIZONTAL UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE AND MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION



12TH ST. PLAN & PROFILE (4 OF 4)

PROJECT NO. 2036N4021Z

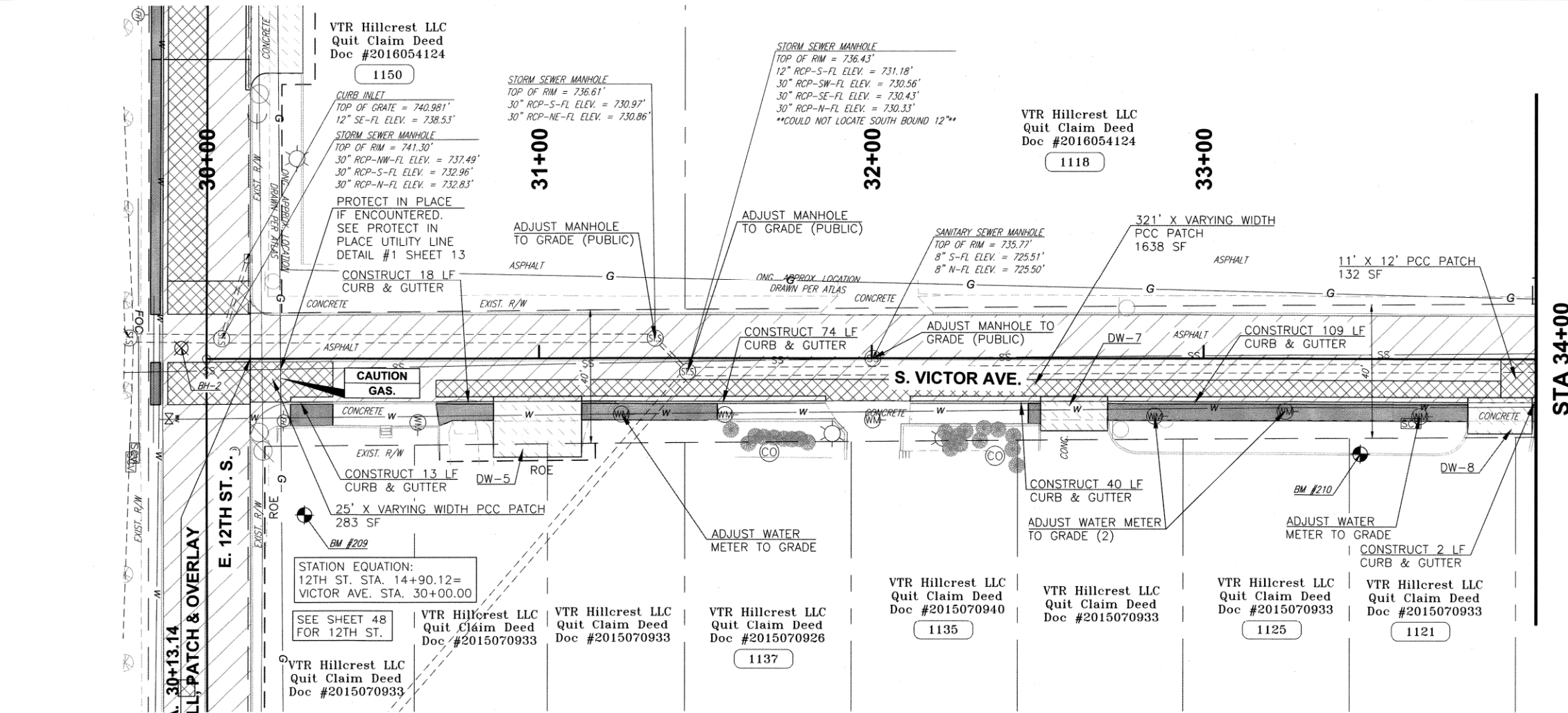
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

CEC Corporation
1300 S. Main Street Tulsa, OK 74137
(918) 663-9401

REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:
-	-	-	1" = 20'	DESIGNED	J.L.C.	7/2025	
-	-	-		SURVEY	B.B.	11/2020	
-	-	-	PROFILE SCALES:	PROJ. MGR.	SWW	10/25	
-	-	-		LEAD ENGR.	JD	11/25	
-	-	-	HORIZONTAL:	FIELD MGR.	JD	11/25	
-	-	-	1" = 20'				
-	-	-	VERTICAL:				
-	-	-	1" = 5'				
-	-	-					
-	-	-	DRAWING: 4021 IOT2 12TH ST. P&PS.DWG				DATE 01.30.26
-	-	-	ATLAS PAGE NO: 3, 14				SHEET 50 OF 102

PLOT DATE: JULY 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021 IOT2\PRODUCTION DRAWINGS\4021 IOT2 VICTOR AVE. P&PS.DWG



LEGEND

- 1 DRAINAGE STRUCTURE NUMBER
- 1234 NEAREST ADDRESS
- PROPOSED RECONSTRUCTION
- PROPOSED MILL & OVERLAY
- PROPOSED PATCH
- REMOVE AND REPLACE CURB AND GUTTER
- PROPOSED DRIVE
- PROPOSED STREET RETURN
- PROPOSED SIDEWALK
- PROPOSED STAMPED SIDEWALK
- BORE HOLE LOCATION
- BENCHMARK

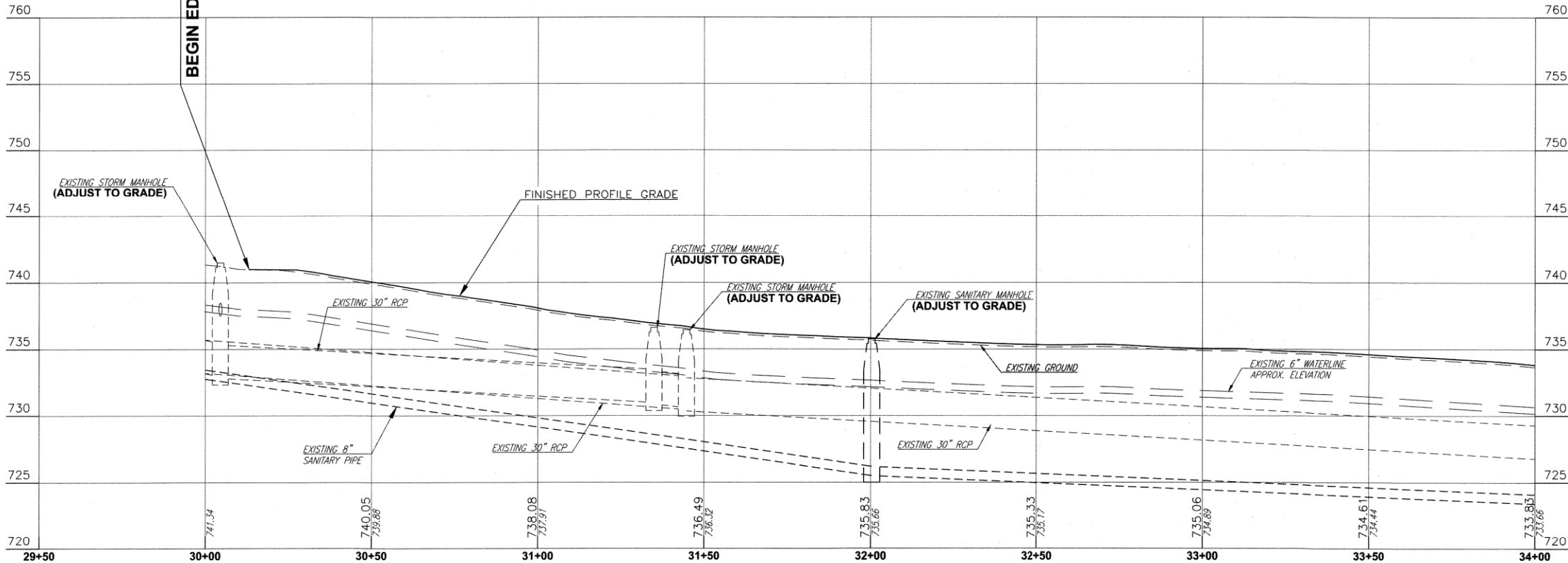
NOTE:
SEE TYPICAL SECTIONS FOR PAVEMENT DEPTH AND OTHER DETAILS

STA 34+00
SEE SHEET 52

BENCHMARK TABLE				
NO.	NORTHING	EASTING	ELEV.	DESCRIPTION
BM 209	423484.5	2569193.2	741.82	BM SET 5/8" FLUSH
BM 210	423801.8	2569170.6	736.52	BM SET CUT X ON TOP OF CURB

STREET RETURN AND DRIVE SUMMARY TABLE									
DRIVE NO.	CENTERLINE STATION	EXIST.	PROP.	LT./RT.	WIDTH X LENGTH	RADIUS (FT)	AREA (SQ)	EX. SLOPE (%)	PROP. SLOPE (%)
5	30+99.60	GRAVEL	CONCRETE	RT	27 X 19	0	54	8.05	7.62
7	32+61.11	CONCRETE	CONCRETE	RT	21 X 11	0	24	8.21	12.58
8	33+89.15	CONCRETE	CONCRETE	RT	20 X 11	0	24	6.99	10.32

NOTE:
PATCH QUANTITIES AND LOCATIONS SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION WITH FIELD AND DESIGN ENGINEERING.



EXISTING HORIZONTAL UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE AND MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION



VICTOR AVE. PLAN & PROFILE (1 OF 2)

PROJECT NO. 2036N4021Z

NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

CEC Corporation
1300 S. Main Street Tulsa, OK 74137
(918) 663-9401

REVISION	BY	DATE
1	J.L.C.	7/2025
2	J.L.C.	7/2025
3	B.B.	11/2020
4	PROJ. MGR.	10/25
5	LEAD ENGR.	10/25
6	FIELD MGR.	10/25
7	DESIGN MGR.	10/25

PLAN SCALE: 1" = 20'

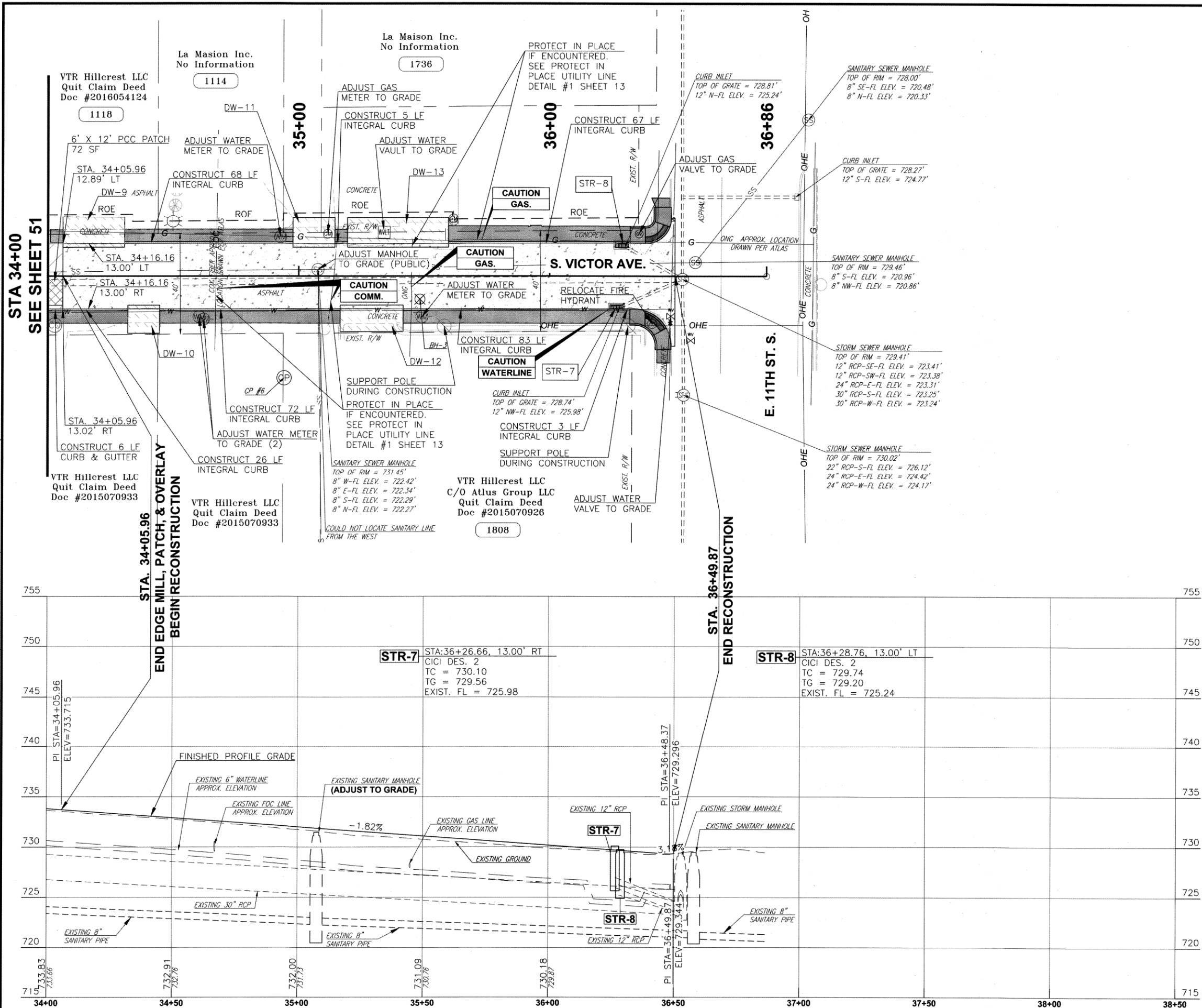
PROFILE SCALES: HORIZONTAL: 1" = 20', VERTICAL: 1" = 5'

DRAWING: 4021 IOT2 VICTOR AVE. P&PS.DWG

ATLAS PAGE NO: 3, 14

SHEET 51 OF 102

PLOT DATE: July 23, 2025. DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021 IOT2\PRODUCTION DRAWINGS\4021 IOT2 VICTOR AVE. P&PS.DWG



LEGEND

- 1 DRAINAGE STRUCTURE NUMBER
- 1234 NEAREST ADDRESS
- PROPOSED RECONSTRUCTION
- PROPOSED MILL & OVERLAY
- PROPOSED MILL & OVERLAY
- PROPOSED PATCH
- REMOVE AND REPLACE CURB AND GUTTER
- PROPOSED DRIVE
- PROPOSED STREET RETURN
- PROPOSED SIDEWALK
- PROPOSED STAMPED SIDEWALK
- BORE HOLE LOCATION
- BENCHMARK

NOTE:
SEE TYPICAL SECTIONS FOR PAVEMENT DEPTH AND OTHER DETAILS

CONTROL POINT TABLE				
NO.	NORTHING	EASTING	ELEV.	DESCRIPTION
CP 6	423949.1080	2569180.4806	734.93	CP SET 5/8IP W/ CEC CP CAP

STREET RETURN AND DRIVE SUMMARY TABLE									
DRIVE NO.	CENTERLINE STATION	TYPE	LT./RT.	WIDTH X LENGTH	RADIUS (FT)	AREA (SQ)	EX. SLOPE (%)	PROP. SLOPE (%)	
9	34+18.22	CONCRETE	CONCRETE	LT 25 X 13	0	34	6.93	7.32	
10	34+38.22	GRAVEL	CONCRETE	RT 13 X 13	0	16	9.07	7.58	
11	35+06.00	GRAVEL	CONCRETE	LT 17 X 12	0	23	6.58	0.65	
12	35+29.06	CONCRETE	CONCRETE	RT 26 X 11	0	30	6.26	7.25	
13	35+39.51	CONCRETE	CONCRETE	LT 41 X 12	0	53	6.89	1.08	

NOTE:

PATCH QUANTITIES AND LOCATIONS SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION WITH FIELD AND DESIGN ENGINEERING.

EXISTING HORIZONTAL UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE AND MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION



VICTOR AVE. PLAN & PROFILE (2 OF 2)

PROJECT NO. 2036N4021Z

NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021

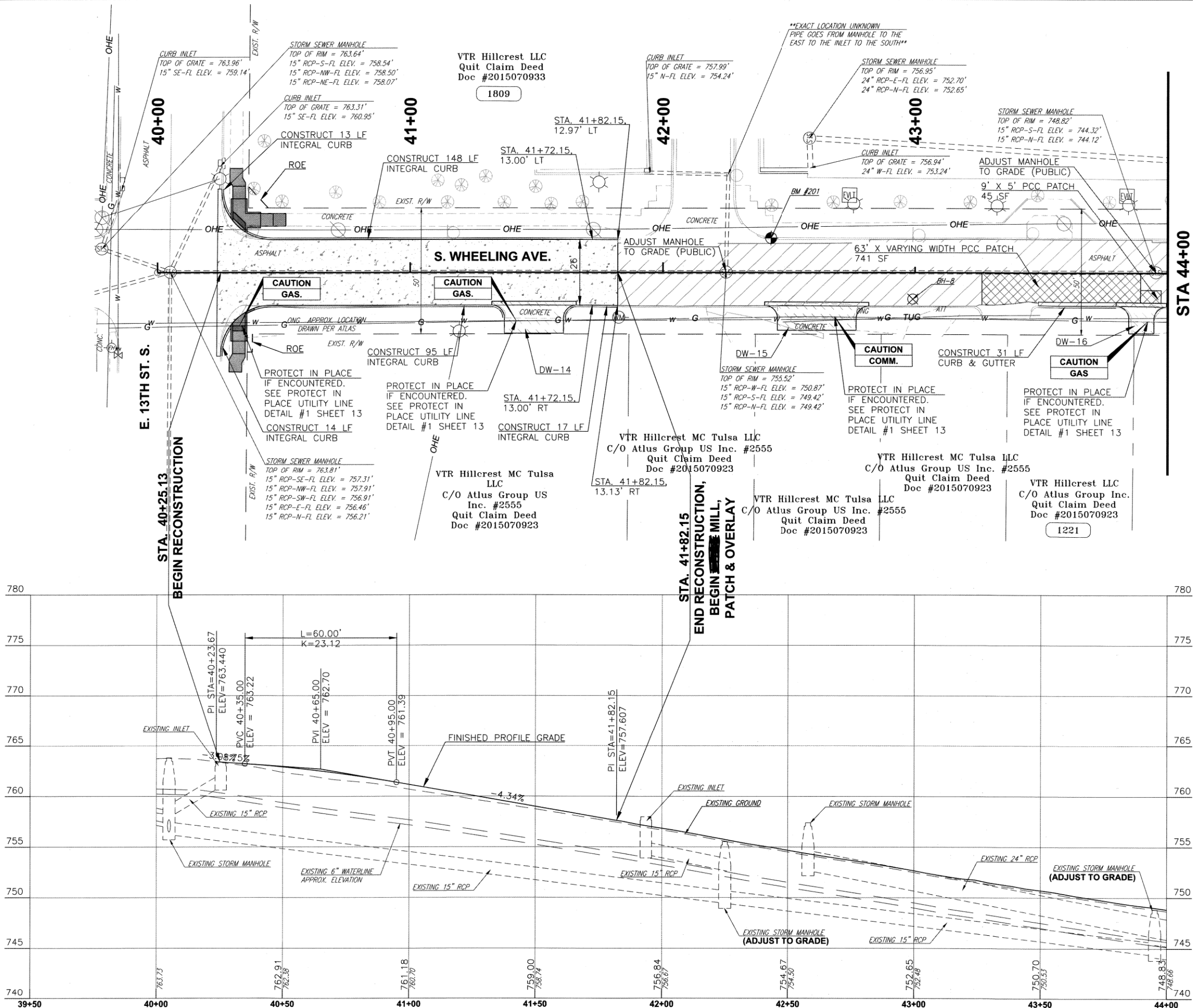
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

CEC Corporation
1300 S. Main Street Tulsa, OK 74137
(918) 663-9401

0' 10' 20' 40'

REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:
-	-	-	1" = 20'	DESIGNED	J.L.C.	7/2025	
-	-	-		SURVEY	B.B.	11/2020	
-	-	-	PROFILE SCALES:	PROJ. MGR.	SMW	10/25	
-	-	-	HORIZONTAL:	LEAD ENGR.	Q	11/25	
-	-	-	1" = 20'	FIELD MGR.	SMW	11/25	
-	-	-	VERTICAL:				
-	-	-	1" = 5'				
-	-	-	DRAWING: 4021 IOT2 VICTOR AVE. P&PS.DWG				DATE 07.30.26
-	-	-	ATLAS PAGE NO: 3, 14				SHEET 52 OF 102

PLOT DATE: JULY 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021 IOT2\PRODUCTION DRAWINGS\4021 IOT2 WHEELING AVE. P&PS.DWG



LEGEND

1 DRAINAGE STRUCTURE NUMBER

1234 NEAREST ADDRESS

PROPOSED RECONSTRUCTION

PROPOSED MILL & OVERLAY

PROPOSED PATCH

REMOVE AND REPLACE CURB AND GUTTER

PROPOSED DRIVE

PROPOSED STREET RETURN

PROPOSED SIDEWALK

PROPOSED STAMPED SIDEWALK

BORE HOLE LOCATION

BENCHMARK

NOTE:
SEE TYPICAL SECTIONS FOR PAVEMENT DEPTH AND OTHER DETAILS

STA 44+00
SEE SHEET 54

BENCHMARK TABLE				
NO.	NORTHING	EASTING	ELEV.	DESCRIPTION
BM 201	423045.0	2569313.6	755.02	BM SET CUT X IN TOP OF CURB

STREET RETURN AND DRIVE SUMMARY TABLE									
DRIVE NO.	CENTERLINE STATION	TYPE	EXIST.	PROP.	LT./RT.	WIDTH X LENGTH	RADII (FT)	AREA (SQ)	EX. SLOPE (%)
14	41+49.04	CONCRETE	CONCRETE	CONCRETE	RT	24 X 13	5	36	12.08
15	42+61.01	CONCRETE	CONCRETE	CONCRETE	RT	32 X 12	5	42	1.37
16	43+89.56	CONCRETE	CONCRETE	CONCRETE	RT	10 X 13	5	17	7.60

NOTE:

PATCH QUANTITIES AND LOCATIONS SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION WITH FIELD AND DESIGN ENGINEERING.

EXISTING HORIZONTAL UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE AND MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION



WHEELING AVE. PLAN & PROFILE (1 OF 4)

PROJECT NO. 2036N4021Z

NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

CEC Corporation
1300 S. Main Street Tulsa, OK 74137
(918) 663-9401

REVISION	BY	DATE
1	J.L.C.	7/2025
2	J.L.C.	7/2025
3	J.L.C.	11/2020
4	B.B.	11/2020
5	B.B.	11/2020
6	B.B.	11/2020
7	B.B.	11/2020
8	B.B.	11/2020
9	B.B.	11/2020
10	B.B.	11/2020
11	B.B.	11/2020
12	B.B.	11/2020
13	B.B.	11/2020
14	B.B.	11/2020
15	B.B.	11/2020
16	B.B.	11/2020
17	B.B.	11/2020
18	B.B.	11/2020
19	B.B.	11/2020
20	B.B.	11/2020
21	B.B.	11/2020
22	B.B.	11/2020
23	B.B.	11/2020
24	B.B.	11/2020
25	B.B.	11/2020
26	B.B.	11/2020
27	B.B.	11/2020
28	B.B.	11/2020
29	B.B.	11/2020
30	B.B.	11/2020
31	B.B.	11/2020
32	B.B.	11/2020
33	B.B.	11/2020
34	B.B.	11/2020
35	B.B.	11/2020
36	B.B.	11/2020
37	B.B.	11/2020
38	B.B.	11/2020
39	B.B.	11/2020
40	B.B.	11/2020
41	B.B.	11/2020
42	B.B.	11/2020
43	B.B.	11/2020
44	B.B.	11/2020
45	B.B.	11/2020
46	B.B.	11/2020
47	B.B.	11/2020
48	B.B.	11/2020
49	B.B.	11/2020
50	B.B.	11/2020
51	B.B.	11/2020
52	B.B.	11/2020
53	B.B.	11/2020
54	B.B.	11/2020
55	B.B.	11/2020
56	B.B.	11/2020
57	B.B.	11/2020
58	B.B.	11/2020
59	B.B.	11/2020
60	B.B.	11/2020
61	B.B.	11/2020
62	B.B.	11/2020
63	B.B.	11/2020
64	B.B.	11/2020
65	B.B.	11/2020
66	B.B.	11/2020
67	B.B.	11/2020
68	B.B.	11/2020
69	B.B.	11/2020
70	B.B.	11/2020
71	B.B.	11/2020
72	B.B.	11/2020
73	B.B.	11/2020
74	B.B.	11/2020
75	B.B.	11/2020
76	B.B.	11/2020
77	B.B.	11/2020
78	B.B.	11/2020
79	B.B.	11/2020
80	B.B.	11/2020
81	B.B.	11/2020
82	B.B.	11/2020
83	B.B.	11/2020
84	B.B.	11/2020
85	B.B.	11/2020
86	B.B.	11/2020
87	B.B.	11/2020
88	B.B.	11/2020
89	B.B.	11/2020
90	B.B.	11/2020
91	B.B.	11/2020
92	B.B.	11/2020
93	B.B.	11/2020
94	B.B.	11/2020
95	B.B.	11/2020
96	B.B.	11/2020
97	B.B.	11/2020
98	B.B.	11/2020
99	B.B.	11/2020
100	B.B.	11/2020

PLAN SCALE: 1" = 20'

DRAWN: J.L.C. 7/2025

DESIGNED: J.L.C. 7/2025

SURVEY: B.B. 11/2020

PROFILE SCALES: PROJ. MGR. 5/11/2025, LEAD ENGR. 10/1/25, FIELD MGR. 10/1/25

HORIZONTAL: 1" = 20'

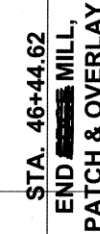
VERTICAL: 1" = 5'

DRAWING: 4021 IOT2 WHEELING AVE. P&PS.DWG

ATLAS PAGE NO: 3, 14

DATE: 10.30.24

SHEET 53 OF 102



NOTE:
PATCH QUANTITIES AND LOCATIONS SHALL BE
FIELD VERIFIED PRIOR TO CONSTRUCTION WITH
FIELD AND DESIGN ENGINEERING.

- | LEGEND | |
|---|------------------------------------|
|  | DRAINAGE STRUCTURE NUMBER |
|  | NEAREST ADDRESS |
|  | PROPOSED RECONSTRUCTION |
|  | PROPOSED MILL & OVERLAY |
|  | PROPOSED MILL & OVERLAY |
|  | PROPOSED PATCH |
|  | REMOVE AND REPLACE CURB AND GUTTER |
|  | PROPOSED DRIVE |
|  | PROPOSED STREET RETURN |
|  | PROPOSED SIDEWALK |
|  | PROPOSED STAMPED SIDEWALK |
|  | BORE HOLE LOCATION |
|  | BENCHMARK |
- NOTE:**
SEE TYPICAL SECTIONS FOR PAVEMENT DEPTH AND OTHER DETAILS

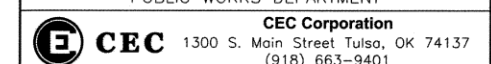
**EXISTING HORIZONTAL UTILITY LOCATIONS
AND DEPTHS ARE APPROXIMATE AND MUST
BE FIELD VERIFIED PRIOR TO CONSTRUCTION**



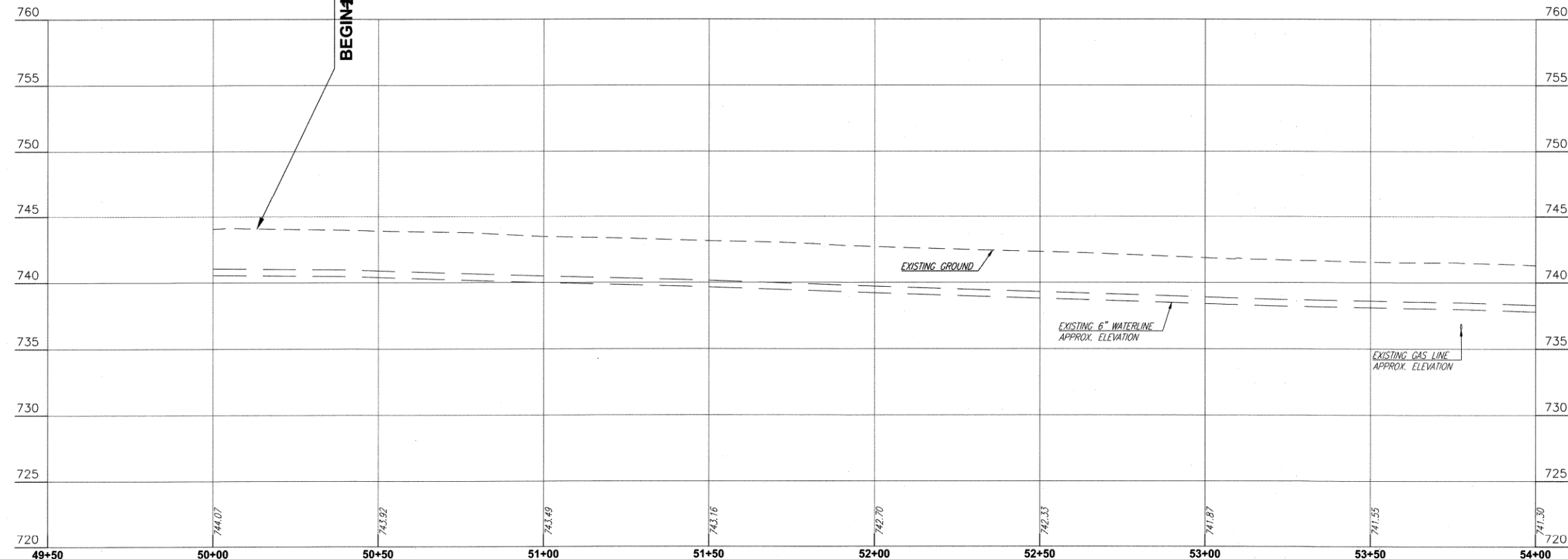
PROJECT NO. 2036N4021Z

NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT



REVISION			BY	DATE	PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:  J.L.C. DESIGN ENGINEER
-	-	-	-	-	1" = 20'	DESIGNED	J.L.C.	7/2025	
-	-	-	-	-	SURVEY	B.B.	11/2020		
-	-	-	-	-	PROFILE SCALES:	PROJ. MGR.	SHW	10/25	
-	-	-	-	-	HORIZONTAL:	LEAD ENGR.	@	10/25	
-	-	-	-	-	1" = 20'	FIELD MGR.	SHW	12/15	
-	-	-	-	-	VERTICAL				
-	-	-	-	-	1" = 5'				
-	-	-	-	-					
-	-	-	-	-					
DRAWING: 4021 IOT2 WHEELING AVE. P&PS.DWG					DATE				01.30.26
ATLAS PAGE NO: 3, 14					SHEET 54 OF 102				



SEE SHEET 56

BENCHMARK TABLE				
NO.	NORTHING	EASTING	ELEV.	DESCRIPTION
BM 208	423810.3	2569459.5	742.27	BM SET CUT X ON SIDEWALK
BM 226	423479.0	2569526.6	746.84	BM SET CUT X ON TOP OF CURB

NOTE:
PATCH QUANTITIES AND LOCATIONS SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION WITH FIELD AND DESIGN ENGINEERING.

**EXISTING HORIZONTAL UTILITY LOCATIONS
AND DEPTHS ARE APPROXIMATE AND MUST
BE FIELD VERIFIED PRIOR TO CONSTRUCTION**

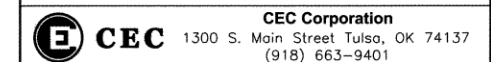


WHEELING AVE. PLAN & PROFILE (3 OF 4)

PROJECT NO. 2036N4021Z

NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT



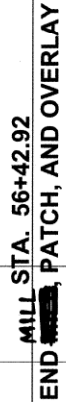
REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:
-	-	-	1" = 20'	DESIGNED	J.L.C.	7/2025	
-	-	-		SURVEY	B.B.	11/2020	
-	-	-	PROFILE SCALES:	PROJ. MGR.	<i>SHUL</i>	<i>10/25</i>	
-	-	-	HORIZONTAL:	LEAD ENGR.	<i>Q</i>	<i>1/15</i>	
-	-	-	1" = 20'	FIELD MGR.	<i>John</i>	<i>01/25</i>	
-	-	-	VERTICAL				
-	-	-	1" = 5'				
-	-	-	DRAWING: 4021 IOT2 WHEELING AVE. P&PS.DWG				
-	-	-	ATLAS PAGE NO: 3, 14				



DESIGN MANAGER

DATE *01.30.26*

SHEET 55 OF 102

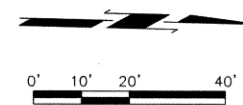


NOTE:
SEE TYPICAL SECTIONS FOR PAVEMENT
DEPTH AND OTHER DETAILS

STREET RETURN AND DRIVE SUMMARY TABLE									
DRIVE NO.	CENTERLINE STATION	TYPE		LT./RT.	WIDTH X LENGTH	RADII (FT)	AREA (SY)	EX. SLOPE (%)	PROP. SLOPE (%)
		EXIST.	PROP.						
18	54+35.13	CONCRETE	CONCRETE	LT	10 X 12	5 LT, 2.5 RT	16	15.15	12.81
19	54+51.30	CONCRETE	CONCRETE	LT	10 X 12	2.5 LT, 5 RT	16	13.08	12.16
20	55+64.34	CONCRETE	CONCRETE	RT	45 X 14	5 LT, 0 RT	68	8.18	8.12

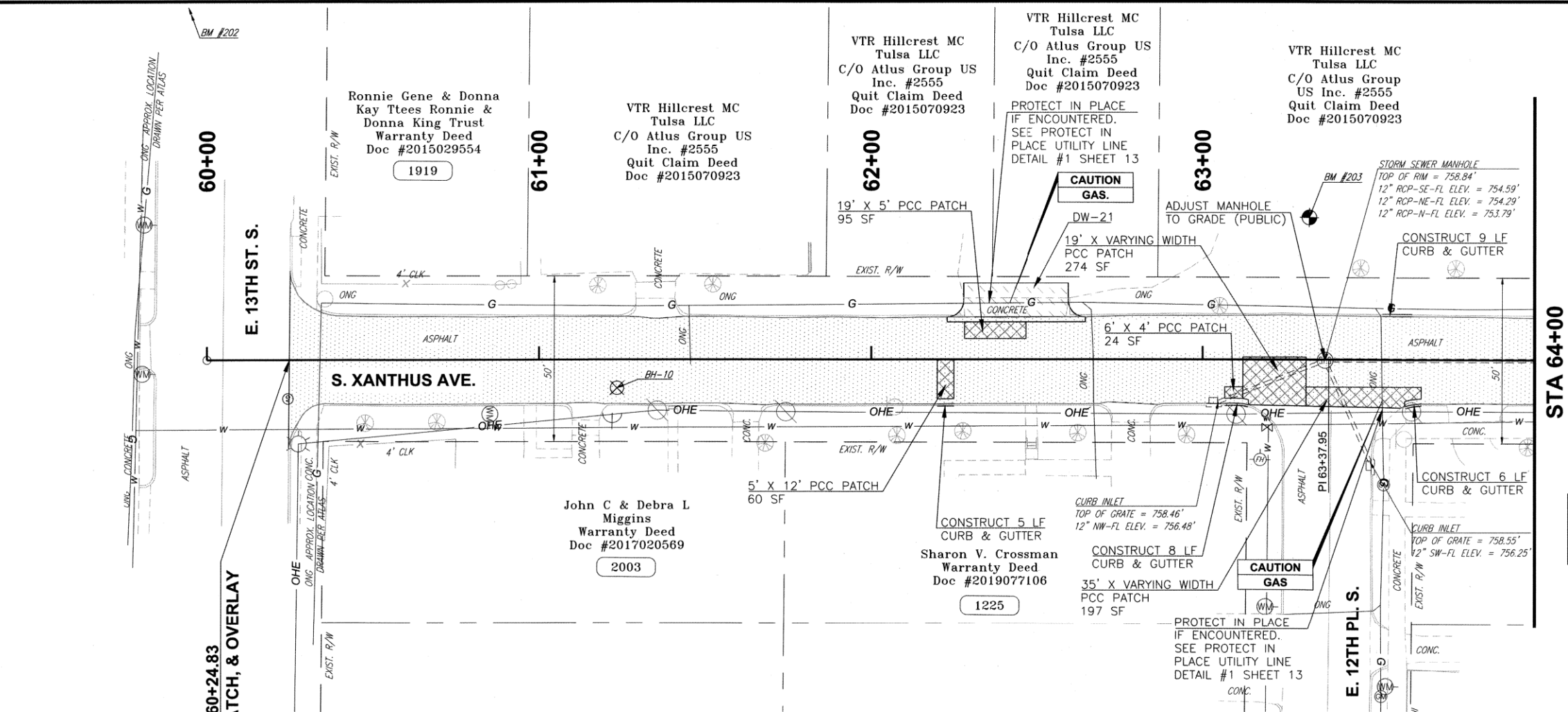
PATCH QUANTITIES AND LOCATIONS SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION WITH FIELD AND DESIGN ENGINEERING.

PLAN SCALE:	DRAWN	J.L.C. 7/2025	APPROVED:
1" = 20'	DESIGNED	J.L.C. 7/2025	
	SURVEY	B.B. 11/2020	
PROFILE SCALES:	PROJ. MGR.	<i>SWW</i> 10/125	 DESIGN MANAGER
HORIZONTAL:	LEAD ENGR.	<i>W</i> 10/25	
1" = 20'	FIELD MGR.	<i>SWW</i> 10/25	
VERTICAL			
1" = 5'			
DRAWING: 4021 IOT2 WHEELING AVE. P&PS.DWG			DATE <i>01.30.26</i>
ATLAS PAGE NO: 3, 14			SHEET 56 OF 102



REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C. 7/2025	APPROVED:
-	-	-	1" = 20'	DESIGNED	J.L.C. 7/2025	
-	-	-		SURVEY	B.B. 11/2020	
-	-	-	PROFILE SCALES:	PROJ. MGR.	<i>SHW</i> 10/125	
-	-	-	HORIZONTAL:	LEAD ENGR.	<i>@</i> 10/25	
-	-	-	1" = 20'	FIELD MGR.	<i>Sam</i> 10/25	
-	-	-	VERTICAL			
-	-	-	1" = 5'		<i>WLS</i> 01-26	
-	-	-	DRAWING: 4021 IOT2 WHEELING AVE. P&PS.DWG		DATE <i>01.30.26</i>	
-	-	-	ATLAS PAGE NO: 3, 14		SHEET 56 OF 102	

PLOT DATE: JULY 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021 IOT2\PRODUCTION DRAWINGS\4021 IOT2 XANTHUS AVE.P&S.DWG



STA 64+00
SEE SHEET 58

LEGEND

- 1 DRAINAGE STRUCTURE NUMBER
- 1234 NEAREST ADDRESS
- PROPOSED RECONSTRUCTION
- PROPOSED MILL & OVERLAY
- PROPOSED MILL & OVERLAY
- PROPOSED PATCH
- REMOVE AND REPLACE CURB AND GUTTER
- PROPOSED DRIVE
- PROPOSED STREET RETURN
- PROPOSED SIDEWALK
- PROPOSED STAMPED SIDEWALK
- BORE HOLE LOCATION
- BENCHMARK

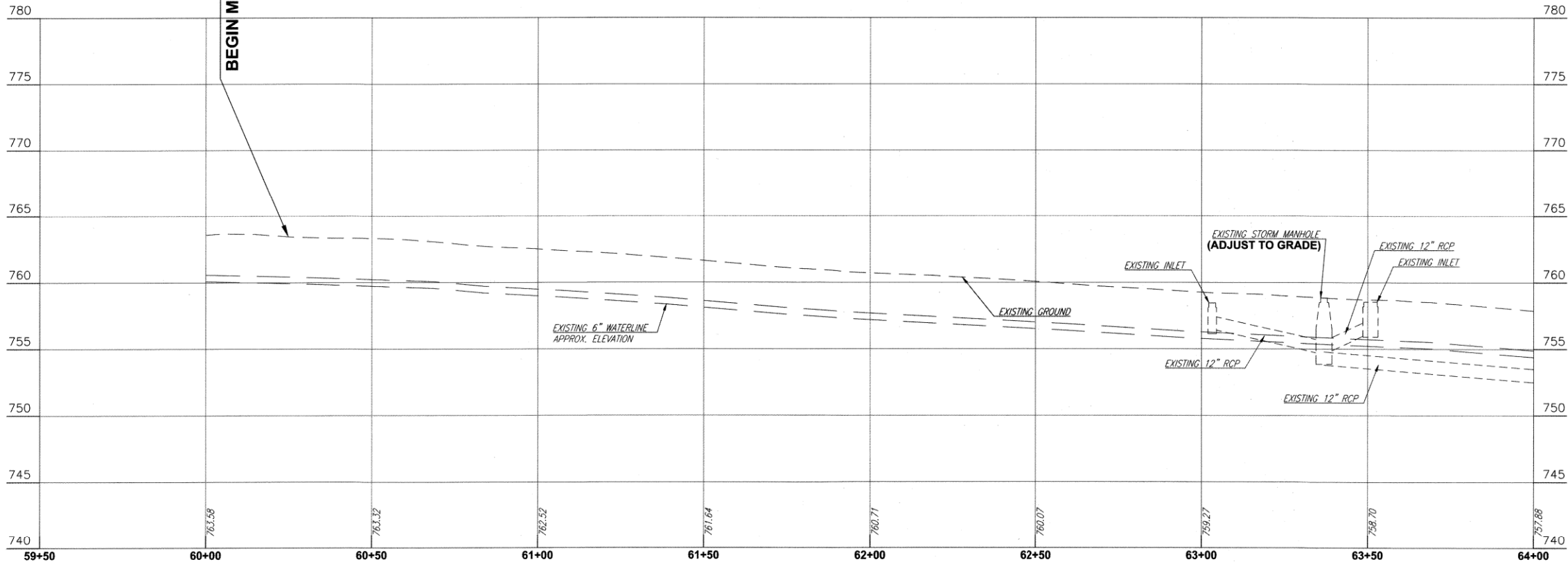
NOTE:
SEE TYPICAL SECTIONS FOR PAVEMENT DEPTH AND OTHER DETAILS

BENCHMARK TABLE				
NO.	NORTHING	EASTING	ELEV.	DESCRIPTION
BM 202	422790.2	2569532.1	762.24	BM SET CUT X IN TOP OF CURB
BM 203	423138.8	2569611.7	758.51	BM SET 5/8\"/>

STREET RETURN AND DRIVE SUMMARY TABLE									
DRIVE NO.	CENTERLINE STATION	TYPE		LT./RT.	WIDTH X LENGTH	RADII (FT)	AREA (SY)	FX. SLOPE (%)	PROP SLOPE (%)
		EXIST.	PROP.						
21	62+43.68	CONCRETE	CONCRETE	LT	32 X 12	5	45	6.90	7.24

NOTE:

PATCH QUANTITIES AND LOCATIONS SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION WITH FIELD AND DESIGN ENGINEERING.



EXISTING HORIZONTAL UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE AND MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION



XANTHUS AVE. PLAN & PROFILE (1 OF 4)

PROJECT NO. 2036N4021Z

NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

CEC Corporation
1300 S. Main Street Tulsa, OK 74137
(918) 663-9401

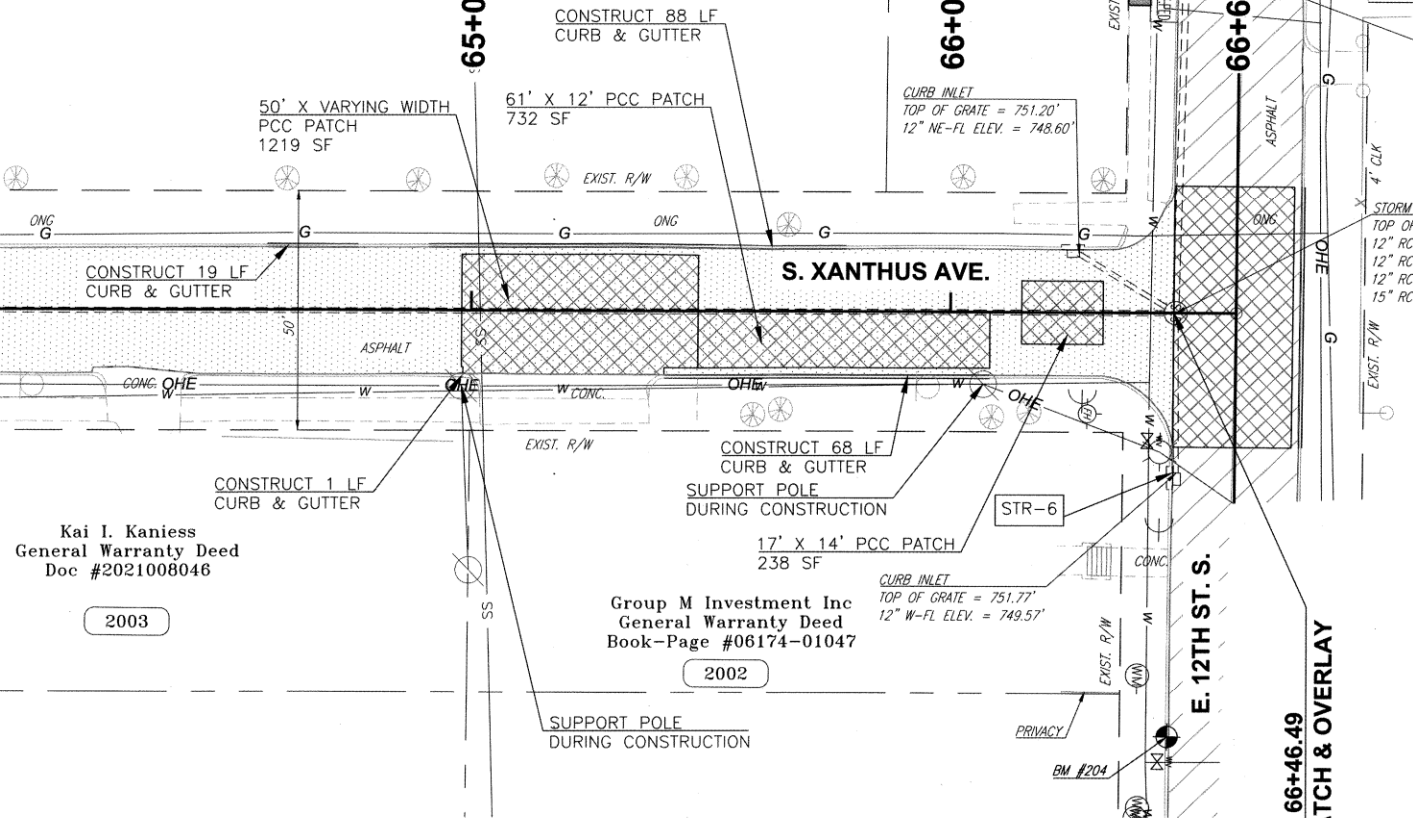
REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:
-	-	-	1" = 20'	DESIGNED	J.L.C.	7/2025	-
-	-	-	-	SURVEY	B.B.	11/2020	-
-	-	-	PROFILE SCALES:	PROJ. MGR.	SW	10/25	-
-	-	-	HORIZONTAL:	LEAD ENGR.	SW	10/25	-
-	-	-	1" = 20'	FIELD MGR.	SW	10/25	-
-	-	-	VERTICAL:	-	-	-	-
-	-	-	1" = 5'	-	-	-	-
-	-	-	DRAWING: 4021 IOT2 XANTHUS AVE.P&S.DWG	DATE	01/30/26	-	-
-	-	-	ATLAS PAGE NO: 3, 14	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

PLOT DATE: July 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021 IOT2\PRODUCTION DRAWINGS\4021 IOT2 XANTHUS AVE.P&PS.DWG

STA 64+00
SEE SHEET 57

VTR Hillcrest MC
Tulsa LLC
C/O Atlas Group
US Inc. #2555
Quit Claim Deed
Doc #2015070923

VTR Hillcrest MC
Tulsa LLC
C/O Atlas Group
Quit Claim Deed
Doc #2015070923



STATION EQUATION:
12TH ST. STA. 19+91.94=
XANTHUS AVE. STA. 66+59.51

SEE SHEET 49
FOR 12TH ST.

PROTECT IN PLACE
IF ENCOUNTERED.
SEE PROTECT IN
PLACE UTILITY LINE
DETAIL #1 SHEET 13

CAUTION

LEGEND

- 1 DRAINAGE STRUCTURE NUMBER
- 1234 NEAREST ADDRESS
- PROPOSED RECONSTRUCTION
- PROPOSED MILL & OVERLAY
- PROPOSED MILL & OVERLAY
- PROPOSED PATCH
- REMOVE AND REPLACE CURB AND GUTTER
- PROPOSED DRIVE
- PROPOSED STREET RETURN
- PROPOSED SIDEWALK
- PROPOSED STAMPED SIDEWALK
- BORE HOLE LOCATION
- BENCHMARK

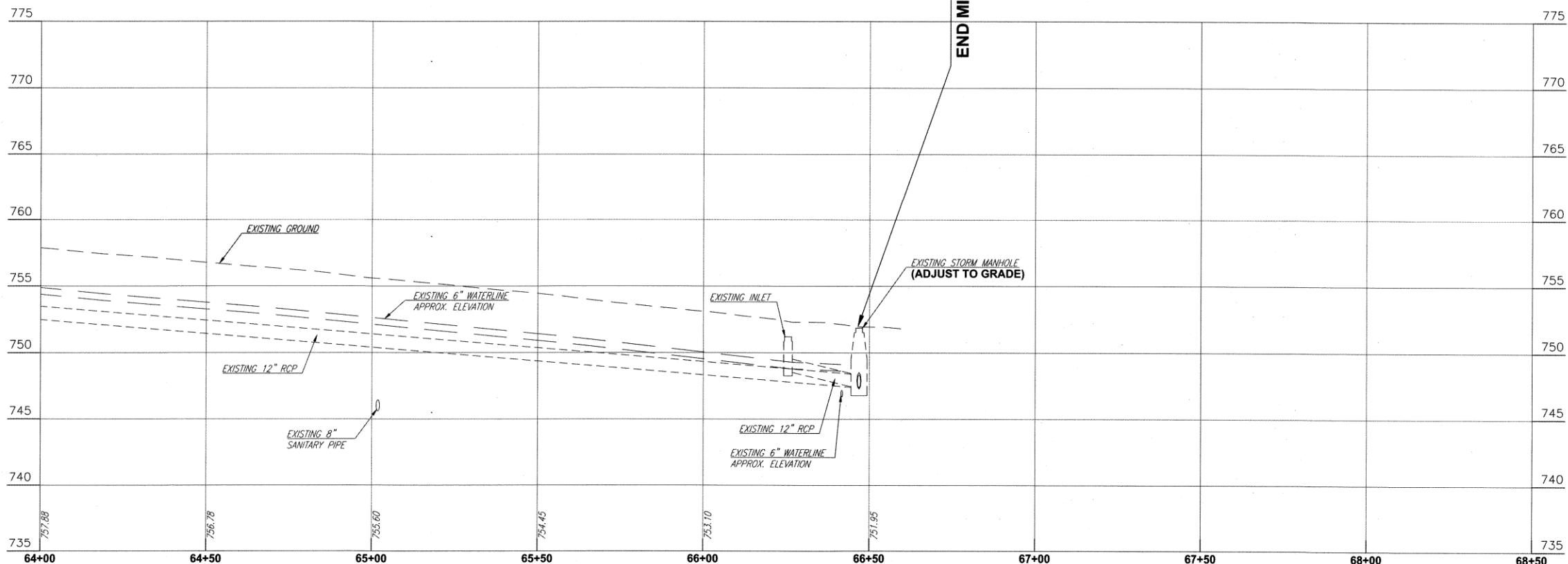
NOTE:
SEE TYPICAL SECTIONS FOR PAVEMENT
DEPTH AND OTHER DETAILS

BENCHMARK TABLE

NO.	NORTHING	EASTING	ELEV.	DESCRIPTION
BM 204	423454.9	2569736.9	753.07	BM SET CUT X IN TOP OF CURB

NOTE:

PATCH QUANTITIES AND LOCATIONS SHALL BE
FIELD VERIFIED PRIOR TO CONSTRUCTION WITH
FIELD AND DESIGN ENGINEERING.



EXISTING HORIZONTAL UTILITY LOCATIONS
AND DEPTHS ARE APPROXIMATE AND MUST
BE FIELD VERIFIED PRIOR TO CONSTRUCTION



XANTHUS AVE. PLAN & PROFILE (2 OF 4)

PROJECT NO. 2036N4021Z

NON-ARTERIAL STREET REHABILITATION IN
MAINTENANCE ZONE 4021

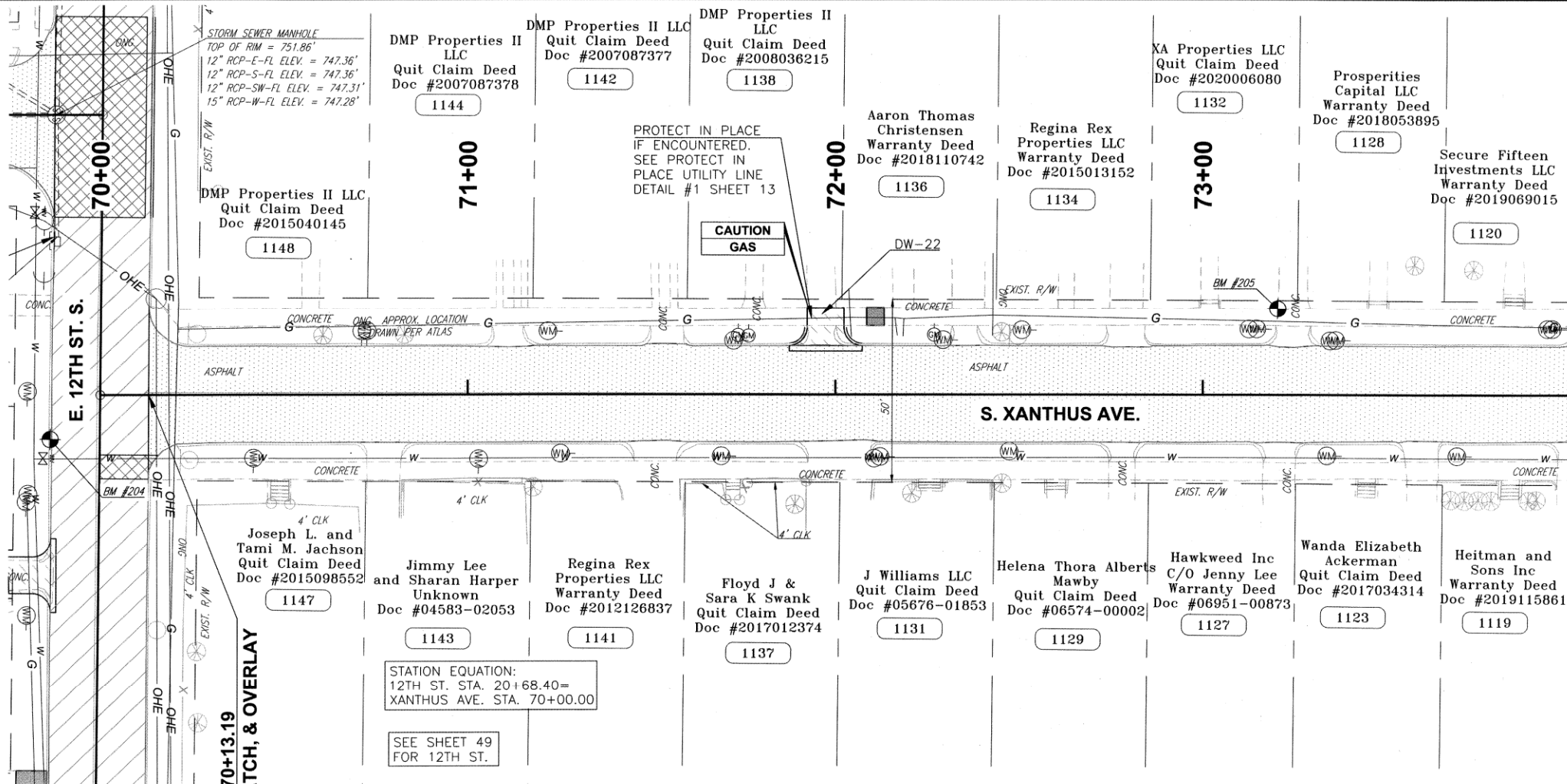
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

CEC Corporation
1300 S. Main Street Tulsa, OK 74137
(918) 663-9401

0' 10' 20' 40'

REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:
-	-	-	1" = 20'	DESIGNED	J.L.C.	7/2025	-
-	-	-	-	SURVEY	B.B.	11/2020	-
-	-	-	PROFILE SCALES:	PROJ. MGR.	SHW	10/25	-
-	-	-	HORIZONTAL:	LEAD ENGR.	D	10/25	-
-	-	-	1" = 20'	FIELD MGR.	Don	12/25	-
-	-	-	VERTICAL:	-	-	-	-
-	-	-	1" = 5'	-	-	-	-
-	-	-	DRAWING: 4021 IOT2 XANTHUS AVE.P&PS.DWG	DATE	07.30.26	-	-
-	-	-	ATLAS PAGE NO: 3, 14	-	-	-	-
-	-	-	-	-	-	-	-

SHEET 58 OF 102



STA 74+00
SEE SHEET 60

LEGEND

- 1 DRAINAGE STRUCTURE NUMBER
- 1234 NEAREST ADDRESS
- PROPOSED RECONSTRUCTION
- PROPOSED MILL & OVERLAY
- PROPOSED PATCH
- REMOVE AND REPLACE CURB AND GUTTER
- PROPOSED DRIVE
- PROPOSED STREET RETURN
- PROPOSED SIDEWALK
- PROPOSED STAMPED SIDEWALK
- BORE HOLE LOCATION
- BENCHMARK

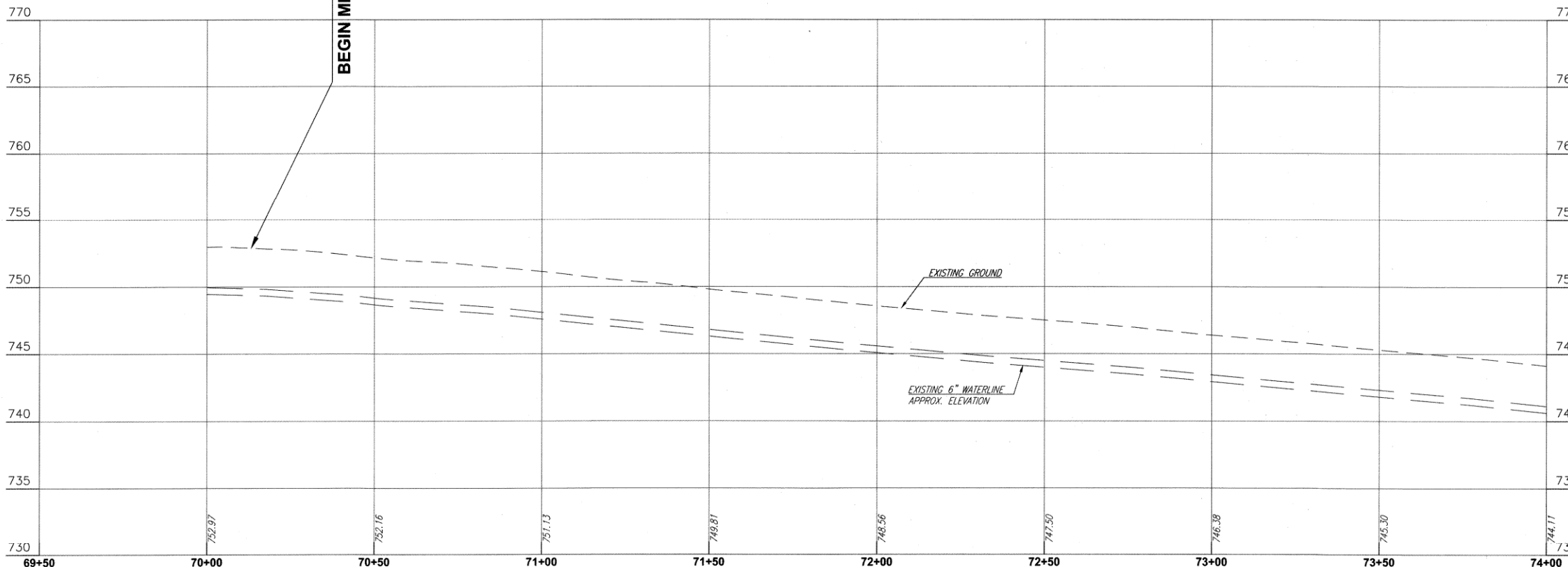
NOTE:
SEE TYPICAL SECTIONS FOR PAVEMENT DEPTH AND OTHER DETAILS

BENCHMARK TABLE				
NO.	NORTHING	EASTING	ELEV.	DESCRIPTION
BM 205	423788.1	2569693.7	745.90	BM SET CUT X IN CONC DRIVE

STREET RETURN AND DRIVE SUMMARY TABLE									
DRIVE NO.	CENTERLINE STATION	TYPE		LT./RT.	WIDTH X LENGTH	RADIUS (FT)	AREA (SY)	EX. SLOPE (%)	PROP. SLOPE (%)
		EXIST.	PROP.						
22	71+97.30	CONCRETE	CONCRETE	LT	10 X 12	5	17	12.85	9.71

NOTE:

PATCH QUANTITIES AND LOCATIONS SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION WITH FIELD AND DESIGN ENGINEERING.



EXISTING HORIZONTAL UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE AND MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION



XANTHUS AVE. PLAN & PROFILE (3 OF 4)

PROJECT NO. 2036N4021Z

NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

CEC Corporation
1300 S. Main Street Tulsa, OK 74137
(918) 663-9401

REVISION	BY	DATE
1	J.C.	7/2025
2	J.C.	7/2025
3	B.B.	11/2020
4	PROJ. MGR.	5/10/25
5	LEAD ENGR.	11/25
6	FIELD MGR.	11/25
7	DATE	01.30.26

PLAN SCALE: 1" = 20'

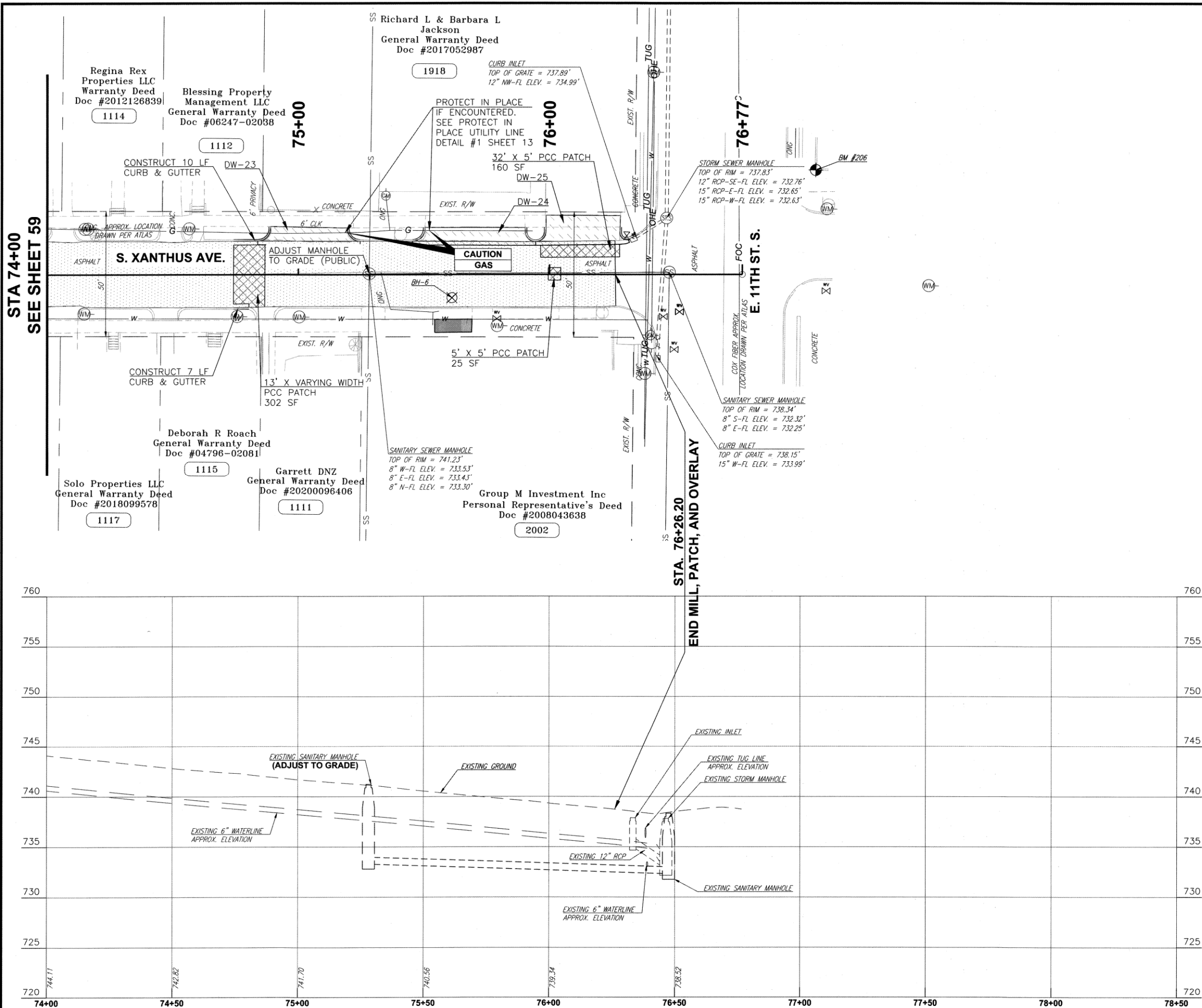
PROFILE SCALES: HORIZONTAL: 1" = 20', VERTICAL: 1" = 5'

DRAWING: 4021 IOT2 XANTHUS AVE.P&S.DWG

ATLAS PAGE NO: 3, 14

SHEET 59 OF 102

PLOT DATE: JULY 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021 IOT2\PRODUCTION DRAWINGS\4021 IOT2 XANTHUS AVE.P&PS.DWG



LEGEND

- 1 DRAINAGE STRUCTURE NUMBER
- 1234 NEAREST ADDRESS
- PROPOSED RECONSTRUCTION
- PROPOSED MILL & OVERLAY
- PROPOSED PATCH
- REMOVE AND REPLACE CURB AND GUTTER
- PROPOSED DRIVE
- PROPOSED STREET RETURN
- PROPOSED SIDEWALK
- PROPOSED STAMPED SIDEWALK
- BORE HOLE LOCATION
- BENCHMARK

NOTE:
SEE TYPICAL SECTIONS FOR PAVEMENT DEPTH AND OTHER DETAILS

BENCHMARK TABLE				
NO.	NORTHING	EASTING	ELEV.	DESCRIPTION
BM 206	424173.2	2569666.6	738.20	BM SET CUT X IN TOP OF CURB

STREET RETURN AND DRIVE SUMMARY TABLE									
DRIVE NO.	CENTERLINE STATION	TYPE	LT./RT.	WIDTH X LENGTH	RADII (FT)	AREA (SQ)	EX. SLOPE (%)	PROP. SLOPE (%)	
23	75+04.23	CONCRETE	LT	31 X 8	5	27	11.85	9.47	
24	75+70.31	CONCRETE	LT	40 X 8	5 LT, 4.14 RT	34	10.13	9.24	
25	76+13.38	CONCRETE	LT	30 X 12	4.14 LT, 2.5 RT	41	8.69	6.80	

NOTE:
PATCH QUANTITIES AND LOCATIONS SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION WITH FIELD AND DESIGN ENGINEERING.

EXISTING HORIZONTAL UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE AND MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION



XANTHUS AVE. PLAN & PROFILE (4 OF 4)

PROJECT NO. 2036N4021Z

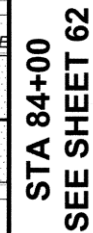
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

CEC Corporation
1300 S. Main Street Tulsa, OK 74137
(918) 663-9401

REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:
-	-	-	1" = 20'	DESIGNED	J.L.C.	7/2025	
-	-	-		SURVEY	B.B.	11/2020	
-	-	-	PROFILE SCALES:	PROJ. MGR.	S.W.	10/25	
-	-	-	HORIZONTAL:	LEAD ENGR.	D.	11/25	
-	-	-	1" = 20'	FIELD MGR.	D.	12/25	
-	-	-	VERTICAL:				
-	-	-	1" = 5'				
-	-	-	DRAWING: 4021 IOT2 XANTHUS AVE.P&PS.DWG	DATE:	07.30.26		
-	-	-	ATLAS PAGE NO: 3, 14				

SHEET 60 OF 102



LEGEND	
	DRAINAGE STRUCTURE NUMBER
	NEAREST ADDRESS
	PROPOSED RECONSTRUCTION
	PROPOSED MILL & OVERLAY
	PROPOSED EDGE MILL & OVERLAY
	PROPOSED PATCH
	REMOVE AND REPLACE CURB AND GUTTER
	PROPOSED DRIVE
	PROPOSED STREET RETURN
	PROPOSED SIDEWALK
	PROPOSED STAMPED SIDEWALK
	BORE HOLE LOCATION
	BENCHMARK

NOTE:
SEE TYPICAL SECTIONS FOR PAVEMENT DEPTH AND OTHER DETAILS

BENCHMARK TABLE				
NO.	NORTHING	EASTING	ELEV.	DESCRIPTION
BM 221	420557.1	2570162.7	744.10	BM SET CUT X ON TOP OF CURB

NOTE:

PATCH QUANTITIES AND LOCATIONS SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION WITH FIELD AND DESIGN ENGINEERING.

**EXISTING HORIZONTAL UTILITY LOCATIONS
AND DEPTHS ARE APPROXIMATE AND MUST
BE FIELD VERIFIED PRIOR TO CONSTRUCTION**

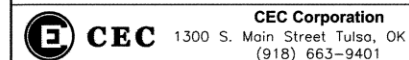


17TH ST. PLAN & PROFILE (1 OF 3)

PROJECT NO. 2036N4021Z

NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021

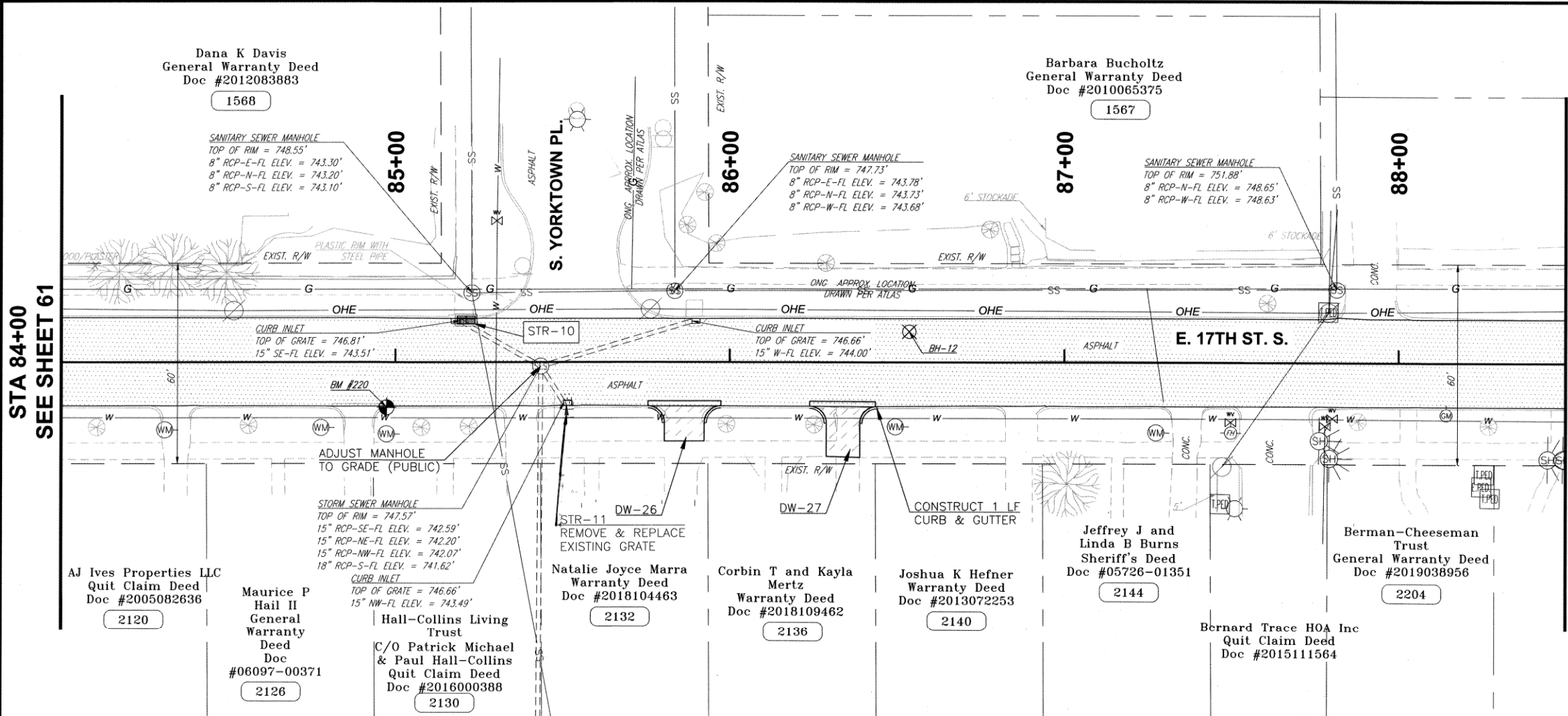
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT



PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:
1" = 20'	DESIGNED	J.L.C.	7/2025	
	SURVEY	B.B.	11/2020	
PROFILE SCALES:	PROJ. MGR.	SUM	10/125	
HORIZONTAL:	LEAD ENGR.	①	10/25	
1" = 20'	FIELD MGR.	②	12/15	
VERTICAL				
1" = 5'				
HAS d-26				
DRAWING: 4021	1072	17TH ST&P&S.DWG	DATE	01.30.26
ATLAS PAGE NO: 3, 14			SHEET 61 OF 102	

DATE 01.30.26
SHEET 61 OF 102

PLOT DATE: July 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021 IOT2\PRODUCTION DRAWINGS\4021 IOT2 17TH ST.P&PS.DWG



STA 88+50
SEE SHEET 63

LEGEND

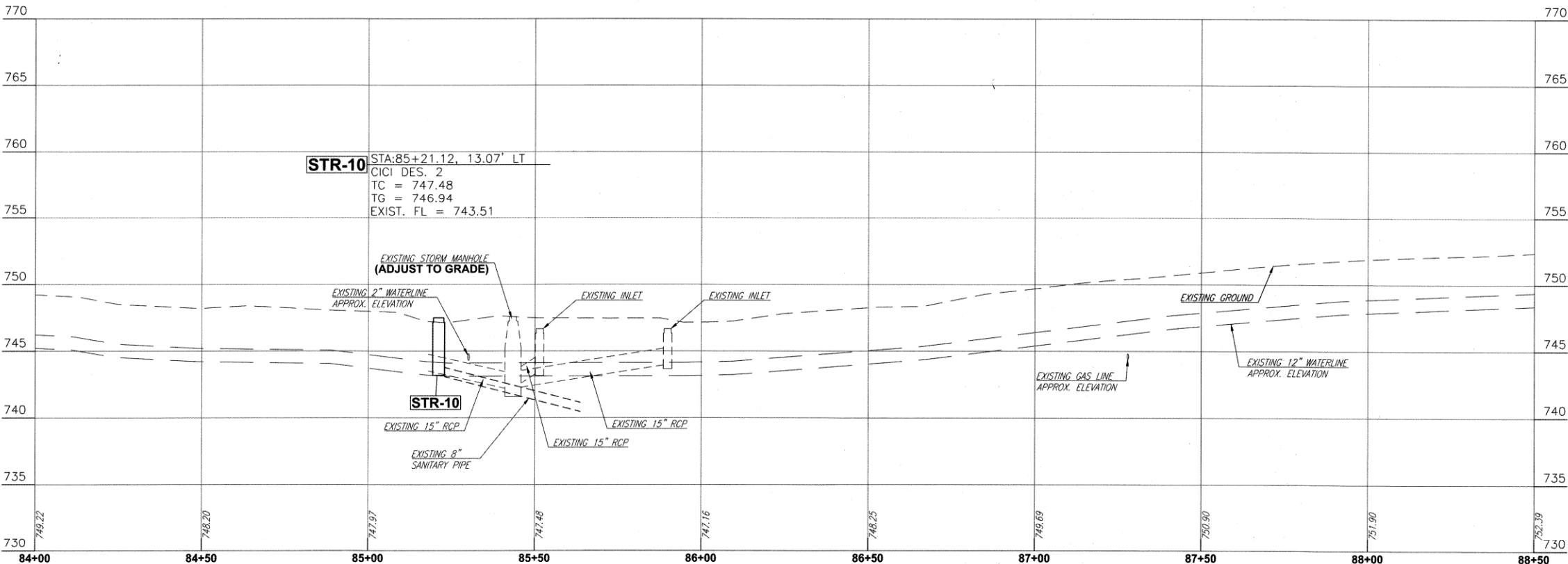
- 1 DRAINAGE STRUCTURE NUMBER
- 1234 NEAREST ADDRESS
- PROPOSED RECONSTRUCTION
- PROPOSED MILL & OVERLAY
- PROPOSED MILL & OVERLAY
- PROPOSED PATCH
- REMOVE AND REPLACE CURB AND GUTTER
- PROPOSED DRIVE
- PROPOSED STREET RETURN
- PROPOSED SIDEWALK
- PROPOSED STAMPED SIDEWALK
- BORE HOLE LOCATION
- BENCHMARK

NOTE:
SEE TYPICAL SECTIONS FOR PAVEMENT DEPTH AND OTHER DETAILS

BENCHMARK TABLE				
NO.	NORTHING	EASTING	ELEV.	DESCRIPTION
BM 220	420563.0	2570559.1	747.89	BM SET CUT X ON TOP OF CURB

STREET RETURN AND DRIVE SUMMARY TABLE									
DRIVE NO.	CENTERLINE STATION	TYPE		LT./RT.	WIDTH X LENGTH	RADIUS (FT)	AREA (SQ)	EX. SLOPE (%)	PROP. SLOPE (%)
		EXIST.	PROP.						
26	85+86.43	CONCRETE	CONCRETE	RT	12 X 12	5	19	7.67	8.11
27	86+33.90	CONCRETE	CONCRETE	RT	10 X 17	5	22	6.19	7.36

NOTE:
PATCH QUANTITIES AND LOCATIONS SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION WITH FIELD AND DESIGN ENGINEERING.



EXISTING HORIZONTAL UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE AND MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION



17TH ST. PLAN & PROFILE (2 OF 3)

PROJECT NO. 2036N4021Z

NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021

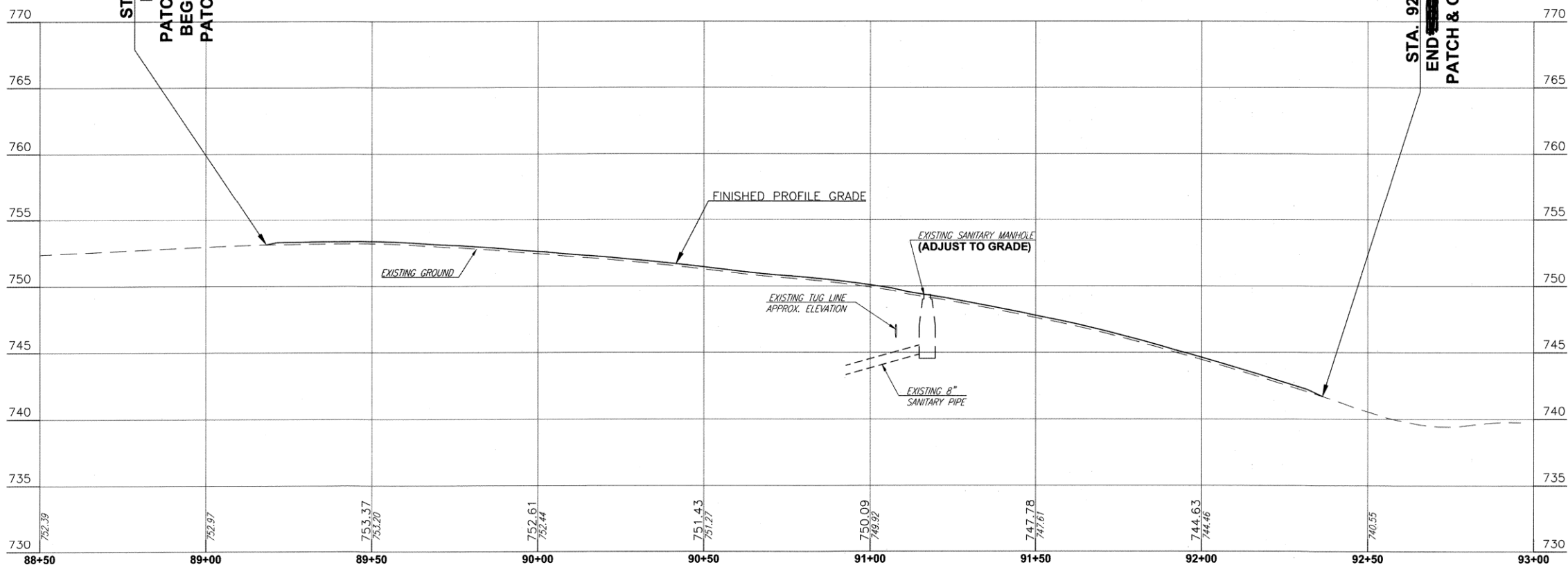
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

CEC Corporation
1300 S. Main Street Tulsa, OK 74137
(918) 663-9401

REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:
-	-	-	1" = 20'	DESIGNED	J.L.C.	7/2025	-
-	-	-	-	SURVEY	B.B.	11/2020	-
-	-	-	PROFILE SCALES:	PROJ. MGR.	SWH	10/25	-
-	-	-	HORIZONTAL:	LEAD ENGR.	Q	11/25	-
-	-	-	1" = 20'	FIELD MGR.	SWH	12/25	-
-	-	-	VERTICAL:	-	-	-	-
-	-	-	1" = 5'	-	-	-	-
-	-	-	DRAWING: 4021 IOT2 17TH ST.P&PS.DWG	-	-	-	DATE 11.30.26
-	-	-	ATLAS PAGE NO: 3, 14	-	-	-	SHEET 62 OF 102

PLOT DATE: JULY 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021 IOT2\17TH ST.P&PS.DWG

STA 88+50
SEE SHEET 62



David J Preston
Quit Claim Deed
Doc #2014041896

1568

89+00

S. GILLETTE AVE.

90+00

PROTECT IN PLACE WITH
FLOWABLE FILL IF ENCOUNTERED.
SEE PROTECT IN
PLACE UTILITY LINE
DETAIL #2 SHEET 13

Alimax LLC
Quit Claim Deed
Doc #2020112409

1565

91+00

50' X VARYING WIDTH
PCC PATCH
1238 SF

CONSTRUCT 45 LF
CURB & GUTTER

Joan K Crager
General Warranty Deed
Doc #04696-02330

1620

92+00

SUPPORT POLE
DURING CONSTRUCTION

SANITARY SEWER MANHOLE
TOP OF RIM = 749.34'
8" RCP-N-FL ELEV. = 745.09'
8" RCP-SW-FL ELEV. = 743.04'

ADJUST MANHOLE
TO GRADE (PUBLIC)

STORM SEWER MANHOLE
TOP OF RIM = 740.60'
15" RCP-W-FL ELEV. = 735.95'
24" RCP-N-FL ELEV. = 735.33'
24" RCP-S-FL ELEV. = 734.76'

CURB INLET
TOP OF GRADE = 740.24'
15" E-FL ELEV. = 736.70'

92+96

S. LEWIS AVE.

Patrick &
Deborah
Rooney
General
Warranty Deed
Doc
#2020001218

2210

Scott J & Laura
J Keck
General
Warranty Deed
Doc #2019031184

2216

Jim & Juley Roffers
Langdon Trust
Corrected General
Warranty Deed
Doc #2020111229

2306

Dana Elizabeth Jones
Rev Trust
Quit Claim Deed
Doc #2020049365

2312

Brad Dunlap
Properties LLC
General Warranty Deed
Doc #2015111867

2318

Bernard Trace HOA Inc
Quit Claim Deed
Doc #2015111564

Clayton Custom Homes LLC
General Warranty Deed
Doc #2020077768

2326

DMG Master Builders LLC
General Warranty Deed
Doc #2019030547

2330

Cheryl Jean Rev Trust
Affidavit of Surviving
Joint Tenant
Doc #2019085396

2336

STA. 92+36.38
END MILL,
PATCH & OVERLAY

LEGEND

- 1 DRAINAGE STRUCTURE NUMBER
- 1234 NEAREST ADDRESS
- PROPOSED RECONSTRUCTION
- PROPOSED MILL & OVERLAY
- PROPOSED MILL & OVERLAY
- PROPOSED PATCH
- REMOVE AND REPLACE CURB AND GUTTER
- PROPOSED DRIVE
- PROPOSED STREET RETURN
- PROPOSED SIDEWALK
- PROPOSED STAMPED SIDEWALK
- BORE HOLE LOCATION
- BENCHMARK

NOTE:
SEE TYPICAL SECTIONS FOR PAVEMENT
DEPTH AND OTHER DETAILS

BENCHMARK TABLE

NO.	NORTHING	EASTING	ELEV.	DESCRIPTION
BM 218	420616.6	2571324.2	741.38	BM SET CUT X IN TOP OF WALL
BM 219	420606.0	2570947.8	753.02	BM SET CUT X ON S SIDE OF SIDEWALK

NOTE:

PATCH QUANTITIES AND LOCATIONS SHALL BE
FIELD VERIFIED PRIOR TO CONSTRUCTION WITH
FIELD AND DESIGN ENGINEERING.

EXISTING HORIZONTAL UTILITY LOCATIONS
AND DEPTHS ARE APPROXIMATE AND MUST
BE FIELD VERIFIED PRIOR TO CONSTRUCTION



17TH ST. PLAN & PROFILE (3 OF 3)

PROJECT NO. 2036N4021Z

NON-ARTERIAL STREET REHABILITATION IN
MAINTENANCE ZONE 4021

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

CEC Corporation
1300 S. Main Street Tulsa, OK 74137
(918) 663-9401

REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:
-	-	-	1" = 20'	DESIGNED	J.L.C.	7/2025	-
-	-	-	-	SURVEY	B.B.	11/2020	-
-	-	-	PROFILE SCALES:	PROJ. MGR.	SWH	10/25	-
-	-	-	HORIZONTAL:	LEAD ENGR.	D	11/25	-
-	-	-	1" = 20'	FIELD MGR.	SWH	11/25	-
-	-	-	VERTICAL:	-	-	-	-
-	-	-	1" = 5'	-	-	-	-
-	-	-	DRAWING: 4021 IOT2 17TH ST.P&PS.DWG	-	-	-	DATE: 07-30-25
-	-	-	ATLAS PAGE NO: 3, 14	-	-	-	SHEET 63 OF 102



LEGEND

1	DRAINAGE STRUCTURE NUMBER
1234	NEAREST ADDRESS
	PROPOSED RECONSTRUCTION
	PROPOSED MILL & OVERLAY
	PROPOSED MILL & OVERLAY
	PROPOSED PATCH
	REMOVE AND REPLACE CURB AND GUTTER
	PROPOSED DRIVE
	PROPOSED STREET RETURN
	PROPOSED SIDEWALK
	PROPOSED STAMPED SIDEWALK
	BORE HOLE LOCATION
	BENCHMARK

NOTE:
SEE TYPICAL SECTIONS FOR PAVEMENT DEPTH AND OTHER DETAILS

BENCHMARK TABLE				
NO.	NORTHING	EASTING	ELEV.	DESCRIPTION
BM 214	420198.6	2569758.8	729.85	BM SET CUT X ON TOP OF CURB

STREET RETURN AND DRIVE SUMMARY TABLE									
DRIVE NO.	CENTERLINE STATION	TYPE		LT./RT.	WIDTH X LENGTH	RADI (FT)	AREA (SY)	EX. SLOPE (%)	PROP. SLOPE (%)
		EXIST.	PROP.						
28	101+12.35	CONCRETE	CONCRETE	LT	14 X 13	5	21	9.92	4.36
29	101+56.43	CONCRETE	CONCRETE	LT	10 X 17	5	22	7.87	5.99
30	101+64.66	CONCRETE	CONCRETE	RT	14 X 18	5	29	2.61	2.18
31	102+06.57	CONCRETE	CONCRETE	RT	11 X 18	5	23	6.79	4.43
32	102+41.54	CONCRETE	CONCRETE	LT	11 X 18	5	22	11.75	8.83
33	102+52.29	CONCRETE	CONCRETE	RT	11 X 18	5	24	7.63	4.97

NOTE:

PATCH QUANTITIES AND LOCATIONS SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION WITH FIELD AND DESIGN ENGINEERING.

**EXISTING HORIZONTAL UTILITY LOCATIONS
AND DEPTHS ARE APPROXIMATE AND MUST
BE FIELD VERIFIED PRIOR TO CONSTRUCTION**



17TH PL. PLAN & PROFILE (1 OF 4)

PROJECT NO. 2036N4021Z

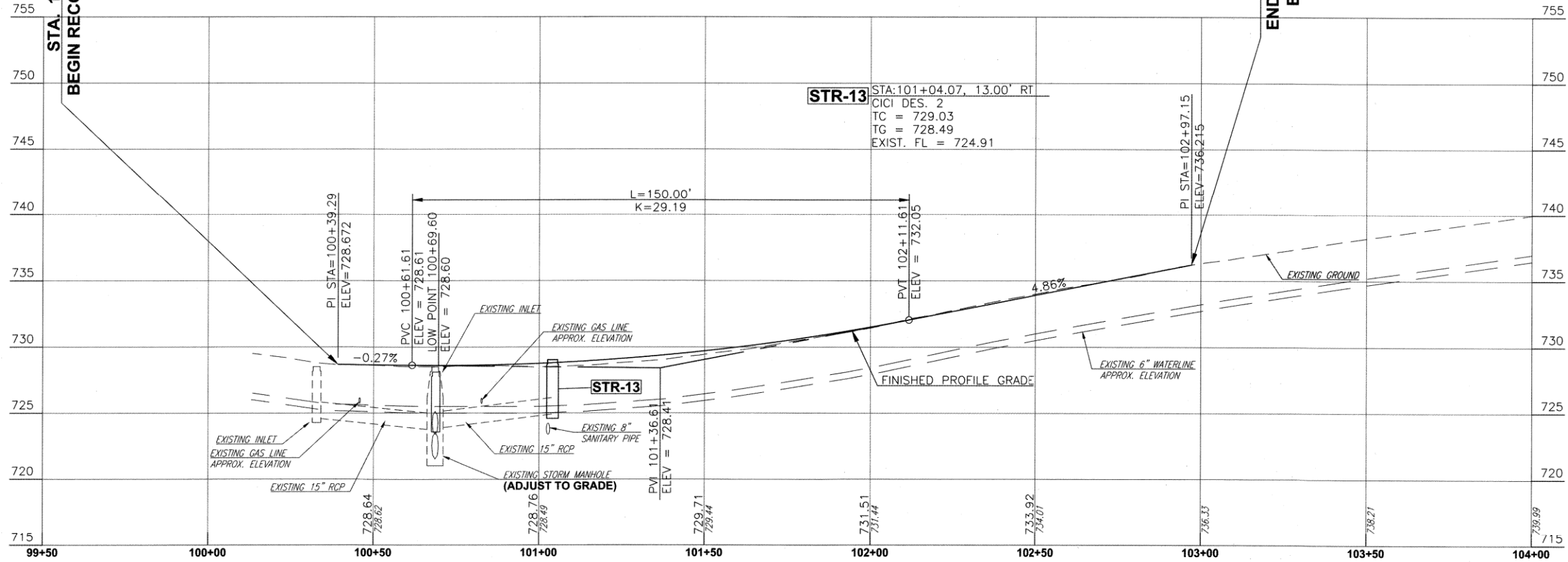
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

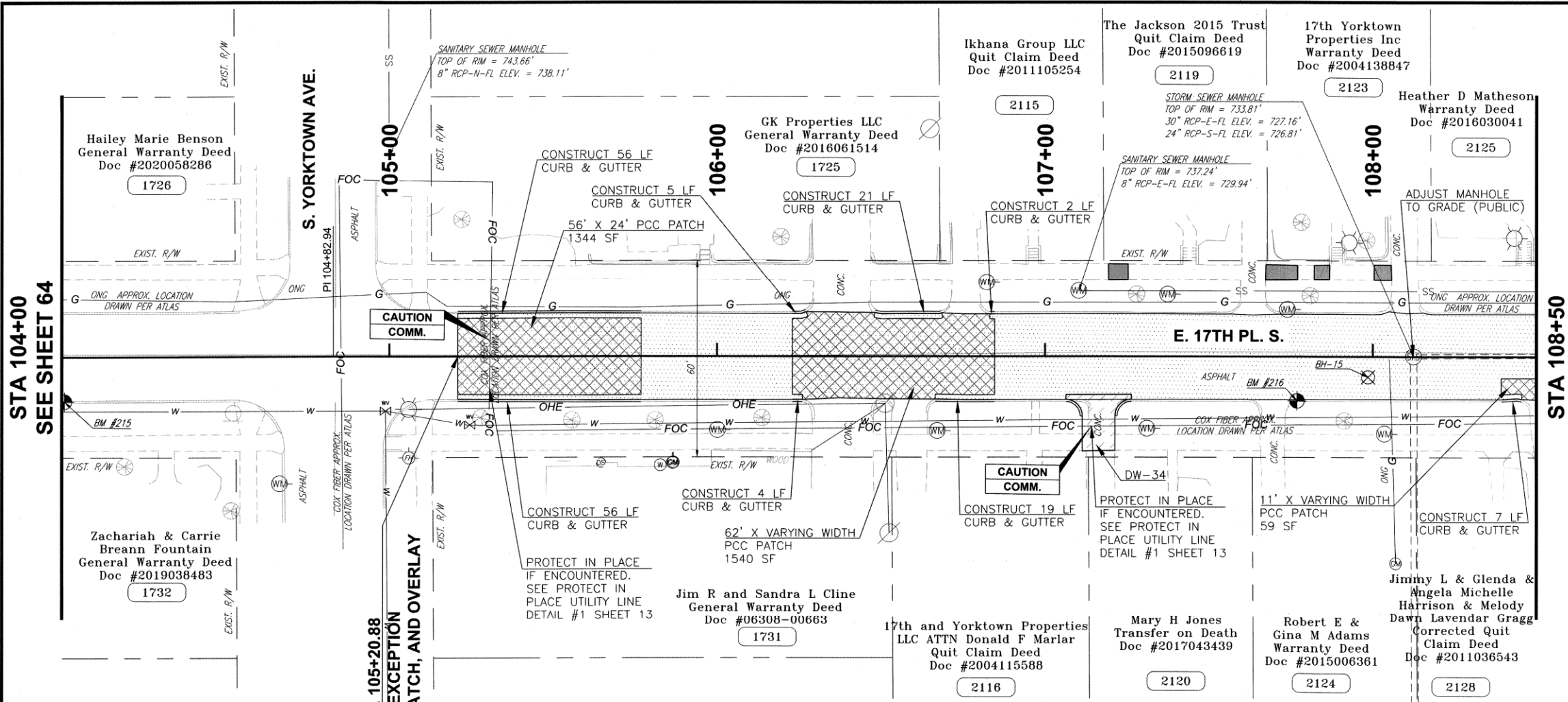


CEC Corporation
300 S. Main Street Tulsa, OK 74137
(918) 663-9401

REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C. 7/2025	APPROVED:  DESIGN MANAGER DATE <u>01.30.26</u>
-	-	-	1" = 20'	DESIGNED	J.L.C. 7/2025	
-	-	-		SURVEY	B.B. 11/2020	
-	-	-	PROFILE SCALES:	PROJ. MGR.	<u>SHW</u> 10/125	
-	-	-	HORIZONTAL:	LEAD ENGR.	<u>DJ</u> 10/25	
-	-	-	1" = 20'	FIELD MGR.	<u>2pm</u> 10/25	
-	-	-	VERTICAL			
-	-	-	1" = 5'			
-	-	-	DRAWING: 4021 IOT2 17TH PL.P&PS.DWG			
-	-	-	ATLAS PAGE NO: 3, 14			



PLOT DATE: July 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021 IOT2\PRODUCTION DRAWINGS\4021 IOT2 17TH PL.P&PS.DWG



LEGEND

- 1 DRAINAGE STRUCTURE NUMBER
- 1234 NEAREST ADDRESS
- PROPOSED RECONSTRUCTION
- PROPOSED MILL & OVERLAY
- PROPOSED PATCH
- REMOVE AND REPLACE CURB AND GUTTER
- PROPOSED DRIVE
- PROPOSED STREET RETURN
- PROPOSED SIDEWALK
- PROPOSED STAMPED SIDEWALK
- BORE HOLE LOCATION
- BENCHMARK

NOTE:
SEE TYPICAL SECTIONS FOR PAVEMENT DEPTH AND OTHER DETAILS

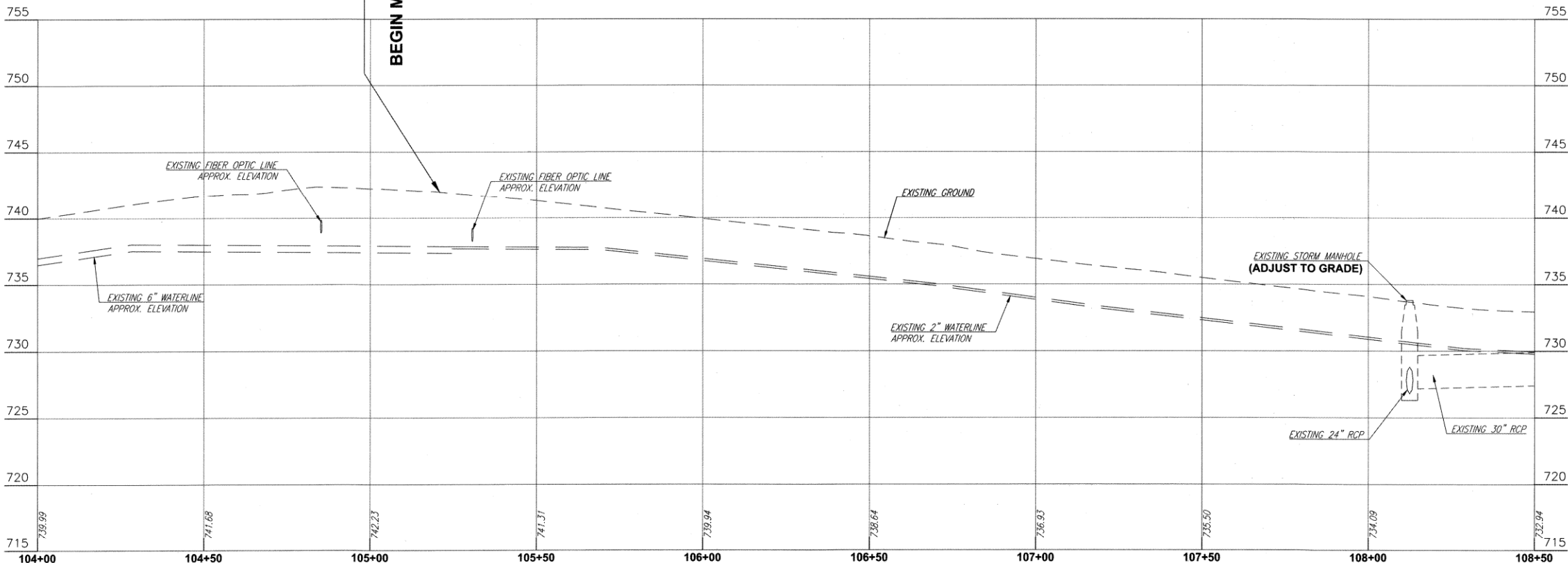
STA 108+50
SEE SHEET 66

BENCHMARK TABLE				
NO.	NORTHING	EASTING	ELEV.	DESCRIPTION
BM 215	420165.2	2570145.9	739.78	BM SET CUT X ON TOP OF CURB
BM 216	420170.8	2570521.9	734.34	BM SET CUT X ON TOP OF CURB

STREET RETURN AND DRIVE SUMMARY TABLE									
DRIVE NO.	CENTERLINE STATION	TYPE	EXIST.	PROP.	LT./RT.	WIDTH X LENGTH	RADIUS (FT)	AREA (SQ)	EX. SLOPE (%)
34	107+16.36	CONCRETE	CONCRETE	CONCRETE	RT	10 X 18	5	22	8.39

NOTE:

PATCH QUANTITIES AND LOCATIONS SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION WITH FIELD AND DESIGN ENGINEERING.



EXISTING HORIZONTAL UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE AND MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION



17TH PL. PLAN & PROFILE (2 OF 4)

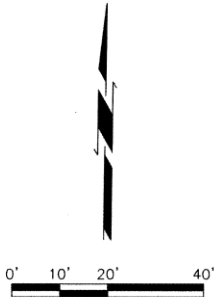
PROJECT NO. 2036N4021Z

NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

CEC Corporation
1300 S. Main Street Tulsa, OK 74137
(918) 663-9401

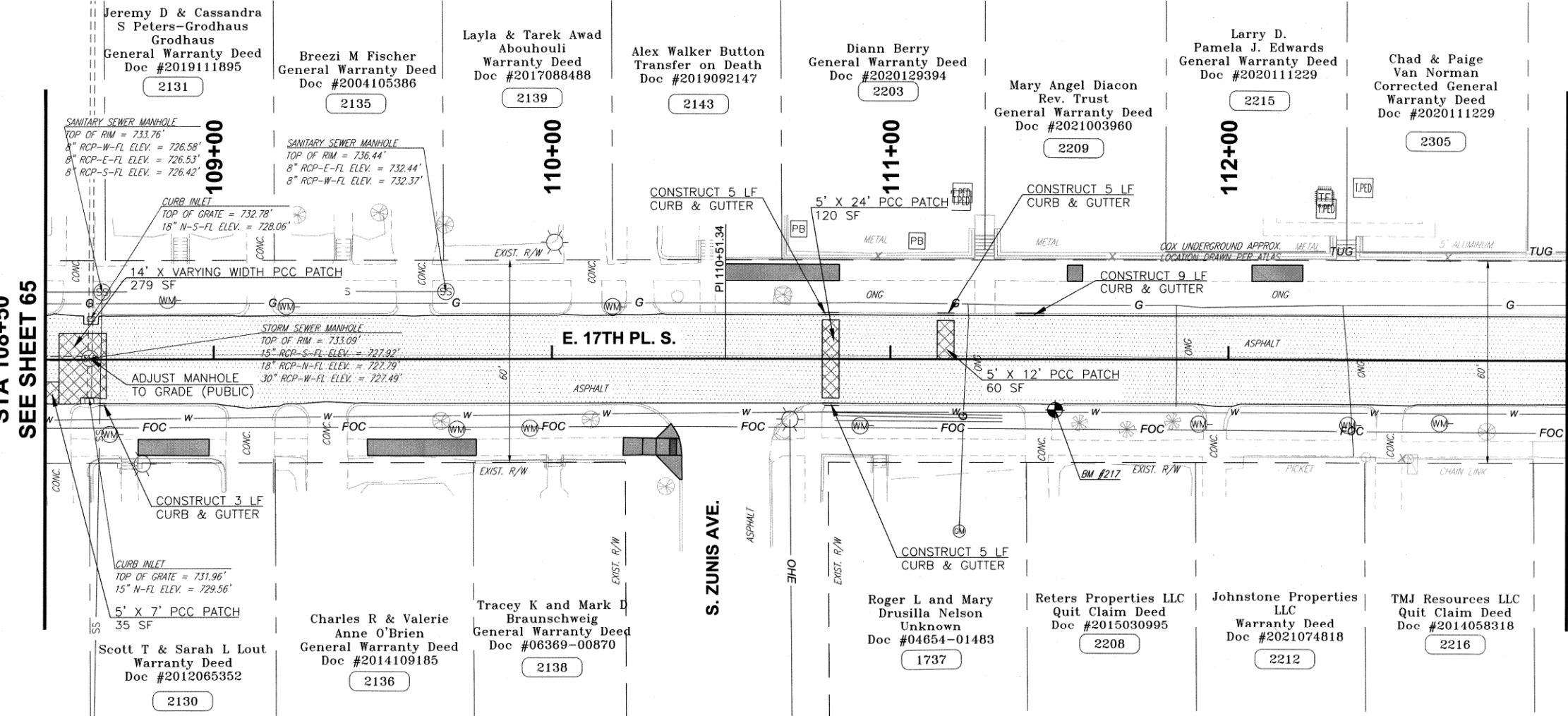
REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:
-	-	-	1" = 20'	DESIGNED	J.L.C.	7/2025	-
-	-	-	SURVEY	B.B.	11/2020	-	-
-	-	-	PROFILE SCALES:	PROJ. MGR.	J.M.	10/25	-
-	-	-	HORIZONTAL:	LEAD ENGR.	D.	11/25	-
-	-	-	1" = 20'	FIELD MGR.	R.	11/25	-
-	-	-	VERTICAL:	-	-	-	-
-	-	-	1" = 5'	-	-	-	-
-	-	-	DRAWING: 4021 IOT2 17TH PL.P&PS.DWG	-	-	-	-
-	-	-	ATLAS PAGE NO: 3, 14	-	-	-	-



PLOT DATE: JULY 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021\02\PRODUCTION DRAWINGS\4021 IOT2 17TH PL&PS.DWG

STA 108+50
SEE SHEET 65

STA 113+00
SEE SHEET 67



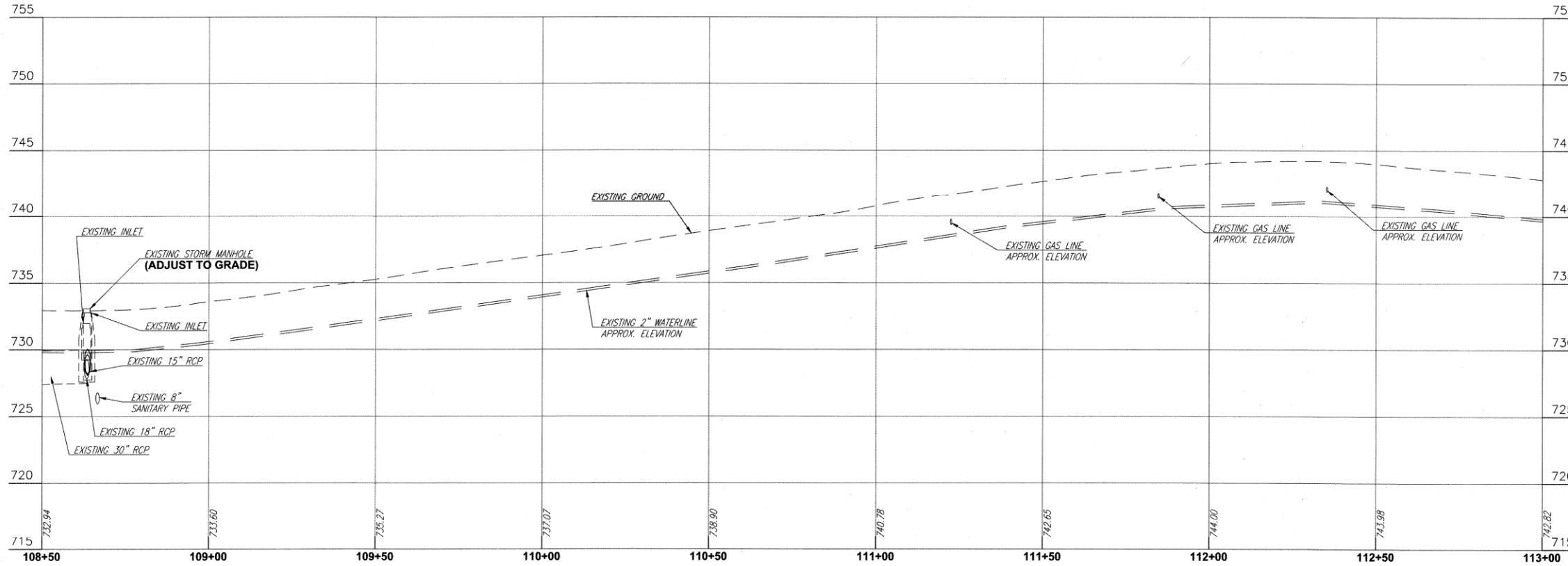
LEGEND

- 1 DRAINAGE STRUCTURE NUMBER
- 1234 NEAREST ADDRESS
- PROPOSED RECONSTRUCTION
- PROPOSED MILL & OVERLAY
- PROPOSED ~~RECONSTRUCTION~~ MILL & OVERLAY
- PROPOSED PATCH
- REMOVE AND REPLACE CURB AND GUTTER
- PROPOSED DRIVE
- PROPOSED STREET RETURN
- PROPOSED SIDEWALK
- PROPOSED STAMPED SIDEWALK
- BORE HOLE LOCATION
- BENCHMARK

NOTE:
SEE TYPICAL SECTIONS FOR PAVEMENT DEPTH AND OTHER DETAILS

BENCHMARK TABLE				
NO.	NORTHING	EASTING	ELEV.	DESCRIPTION
BM 217	420174.6	2570893.7	742.42	BM SET CUT X ON TOP OF CURB

NOTE:
PATCH QUANTITIES AND LOCATIONS SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION WITH FIELD AND DESIGN ENGINEERING.



EXISTING HORIZONTAL UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE AND MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION



17TH PL. PLAN & PROFILE (3 OF 4)

PROJECT NO. 2036N4021Z

NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

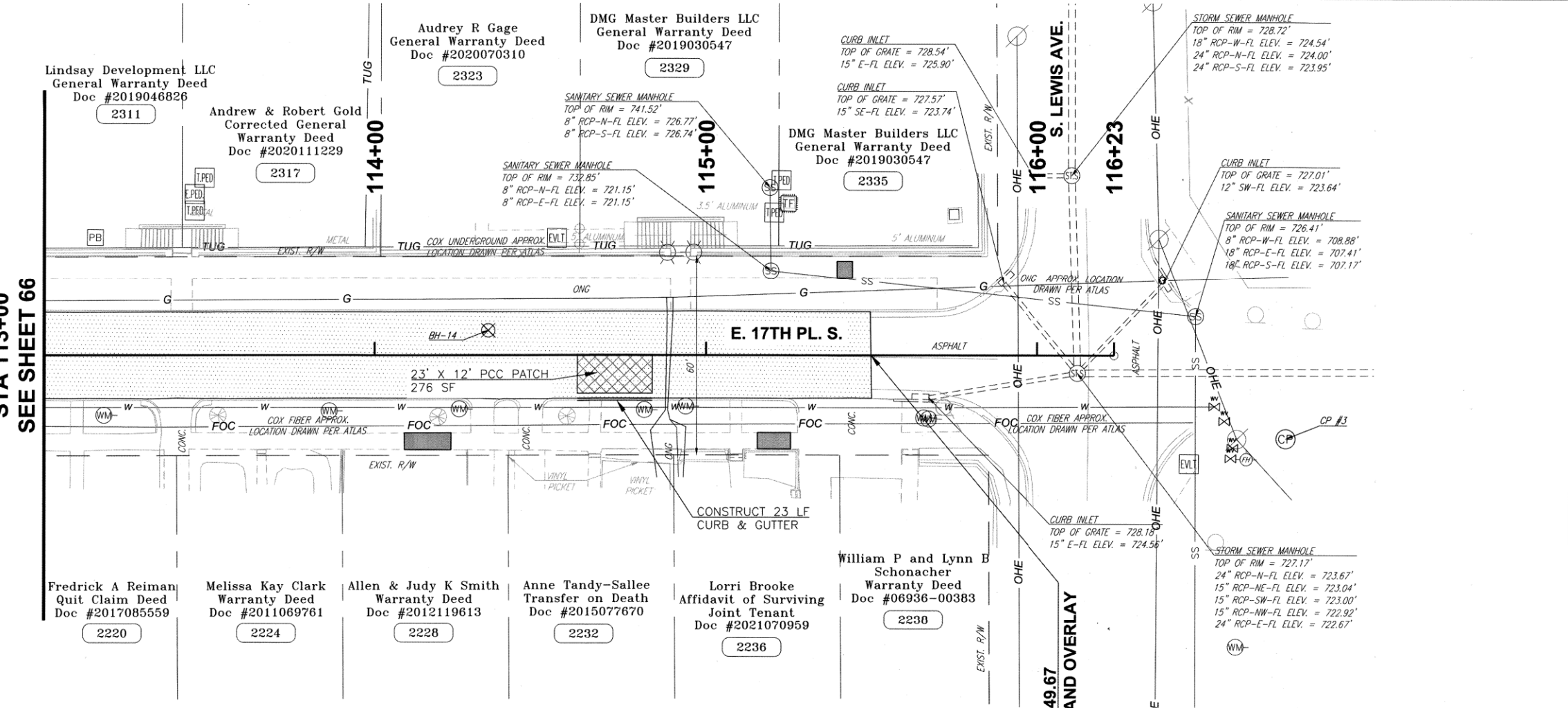
CEC Corporation
1300 S. Main Street Tulsa, OK 74137
(918) 663-9401

REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:
-	-	-	1" = 20'	DESIGNED	J.L.C.	7/2025	-
-	-	-	-	SURVEY	B.B.	11/2020	-
-	-	-	PROFILE SCALES:	PROJ. MGR.	SHM	10/25	-
-	-	-	HORIZONTAL:	LEAD ENGR.	Q	10/25	-
-	-	-	1" = 20'	FIELD MGR.	Q	10/25	-
-	-	-	VERTICAL:	-	-	-	-
-	-	-	1" = 5'	-	-	-	-
-	-	-	DRAWING: 4021 IOT2 17TH PL&PS.DWG	-	-	-	-
-	-	-	ATLAS PAGE NO: 3, 14	-	-	-	-

DATE: 01.30.26
SHEET 66 OF 102

PLOT DATE: July 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021 IOT2\PRODUCTION DRAWINGS\4021 IOT2 17TH PL.P&PS.DWG

STA 113+00
SEE SHEET 66



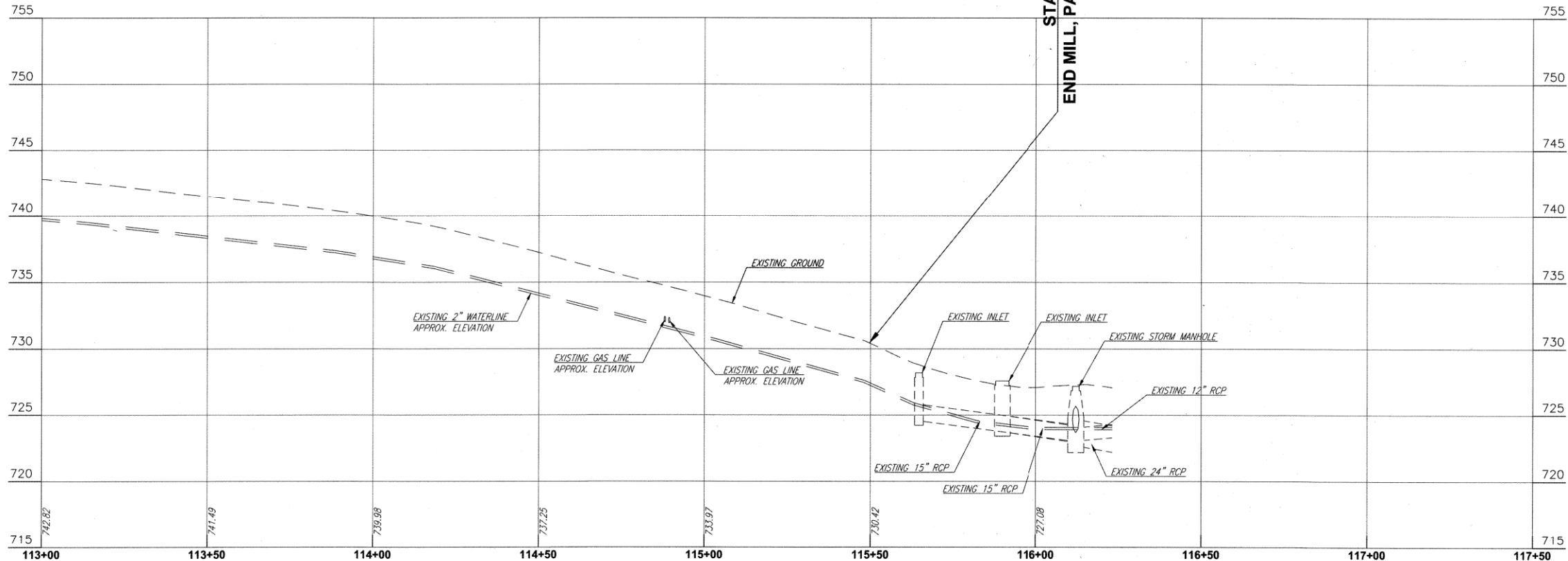
LEGEND

- 1 DRAINAGE STRUCTURE NUMBER
- 1234 NEAREST ADDRESS
- PROPOSED RECONSTRUCTION
- PROPOSED MILL & OVERLAY
- PROPOSED PATCH
- REMOVE AND REPLACE CURB AND GUTTER
- PROPOSED DRIVE
- PROPOSED STREET RETURN
- PROPOSED SIDEWALK
- PROPOSED STAMPED SIDEWALK
- BORE HOLE LOCATION
- BENCHMARK

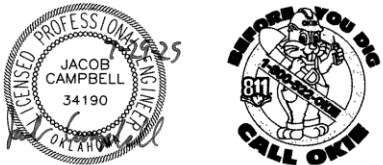
NOTE:
SEE TYPICAL SECTIONS FOR PAVEMENT DEPTH AND OTHER DETAILS

CONTROL POINT TABLE				
NO.	NORTHING	EASTING	ELEV.	DESCRIPTION
CP 3	420171.6710	2571420.0630	725.22	CP SET 5/8IP W/ CEC CP CAP

NOTE:
PATCH QUANTITIES AND LOCATIONS SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION WITH FIELD AND DESIGN ENGINEERING.



EXISTING HORIZONTAL UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE AND MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION



17TH PL. PLAN & PROFILE (4 OF 4)

PROJECT NO. 2036N4021Z

NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021

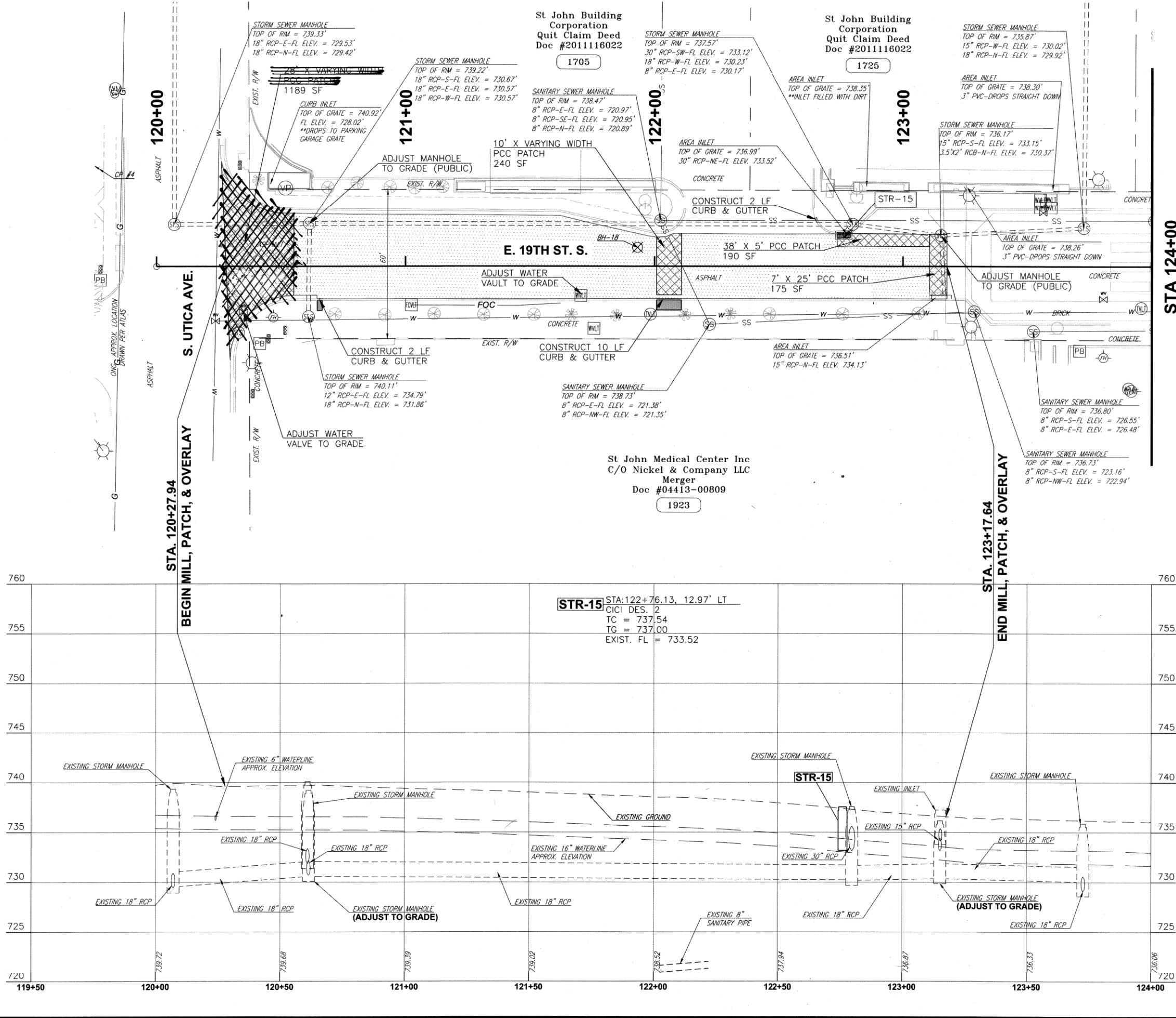
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

CEC Corporation
1300 S. Main Street Tulsa, OK 74137
(918) 663-9401

REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C. 7/2025	APPROVED:
-	-	-	1" = 20'	DESIGNED	J.L.C. 7/2025	-
-	-	-	-	SURVEY	B.B. 11/2020	-
-	-	-	PROFILE SCALES:	PROJ. MGR.	SHW 10/25	-
-	-	-	HORIZONTAL:	LEAD ENGR.	11/25	-
-	-	-	1" = 20'	FIELD MGR.	12/25	-
-	-	-	VERTICAL:	-	-	-
-	-	-	1" = 5'	-	-	-
-	-	-	DRAWING: 4021 IOT2 17TH PL.P&PS.DWG	DATE	01/20/26	-
-	-	-	ATLAS PAGE NO: 3, 14	-	-	-

SHEET 67 OF 102

PLOT DATE: JULY 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL PROJECTS\TPWD - 4021 IOT2\PRODUCTION DRAWINGS\4021 IOT2 19TH ST.P&S.DWG



LEGEND

- 1 DRAINAGE STRUCTURE NUMBER
- 1234 NEAREST ADDRESS
- PROPOSED RECONSTRUCTION
- PROPOSED MILL & OVERLAY
- PROPOSED PATCH
- REMOVE AND REPLACE CURB AND GUTTER
- PROPOSED DRIVE
- PROPOSED STREET RETURN
- PROPOSED SIDEWALK
- PROPOSED STAMPED SIDEWALK
- BORE HOLE LOCATION
- BENCHMARK

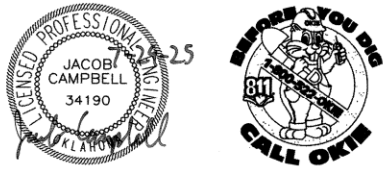
NOTE:
SEE TYPICAL SECTIONS FOR PAVEMENT DEPTH AND OTHER DETAILS

STA 124+00
SEE SHEET 69

CONTROL POINT TABLE				
NO.	NORTHING	EASTING	ELEV.	DESCRIPTION
CP 4	419531.7615	2568675.7499	739.97	CP SET 5/8IP W/ CEC CP CAP

NOTE:
PATCH QUANTITIES AND LOCATIONS SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION WITH FIELD AND DESIGN ENGINEERING.

EXISTING HORIZONTAL UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE AND MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION



19TH ST. PLAN & PROFILE (1 OF 3)

PROJECT NO. 2036N4021Z

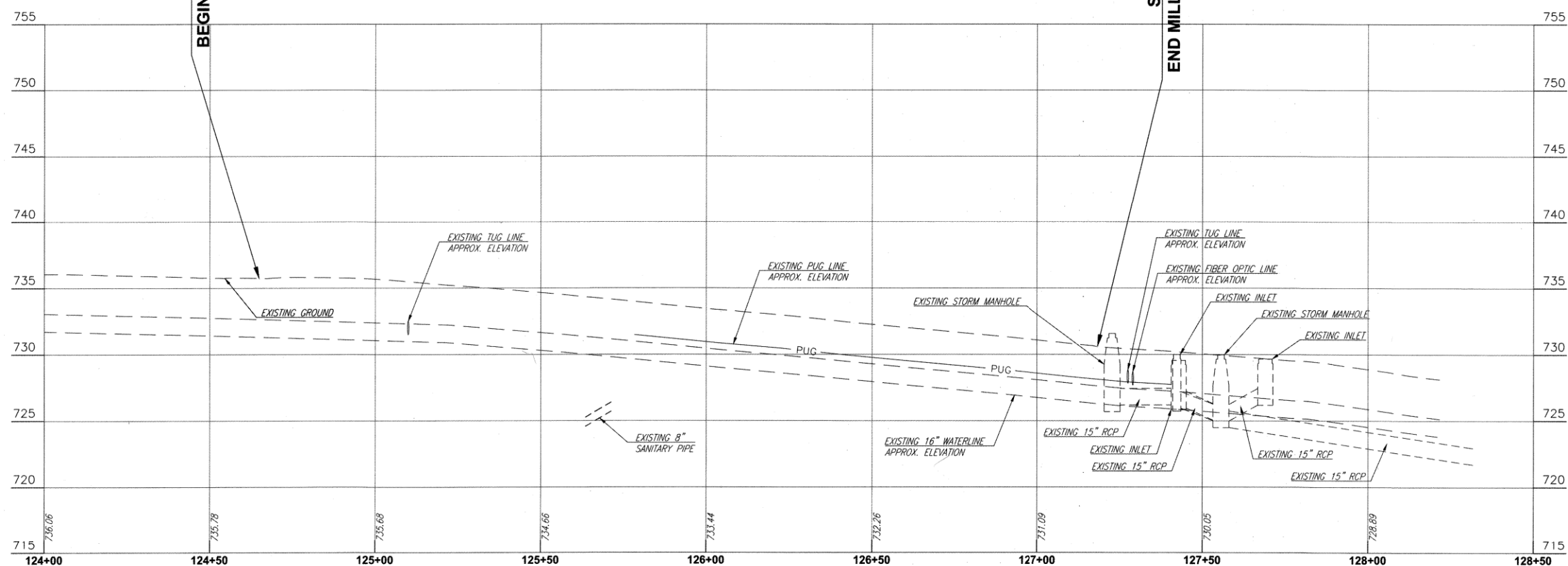
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

CEC Corporation
1300 S. Main Street Tulsa, OK 74137
(918) 663-9401

PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:
1" = 20'	DESIGNED	J.L.C.	7/2025	
	SURVEY	B.B.	11/2020	
PROFILE SCALES:	PROJ. MGR.	SAW	10/25	
HORIZONTAL:	LEAD ENGR.	DL	1/15	
1" = 20'	FIELD MGR.	DL	1/15	
VERTICAL:				
1" = 5'				
DRAWING: 4021 IOT2 19TH ST.P&S.DWG	DATE:	01.30.26		
ATLAS PAGE NO: 3, 14				SHEET 68 OF 102





BENCHMARK TABLE				
NO.	NORTHING	EASTING	ELEV.	DESCRIPTION
BM 222	419520.6	2569509.8	729.32	BM SET CUT X IN S SIDE OF SIDEWALK
BM 223	419510.4	2569163.1	736.12	BM 223 CUT X TOP OF CURB

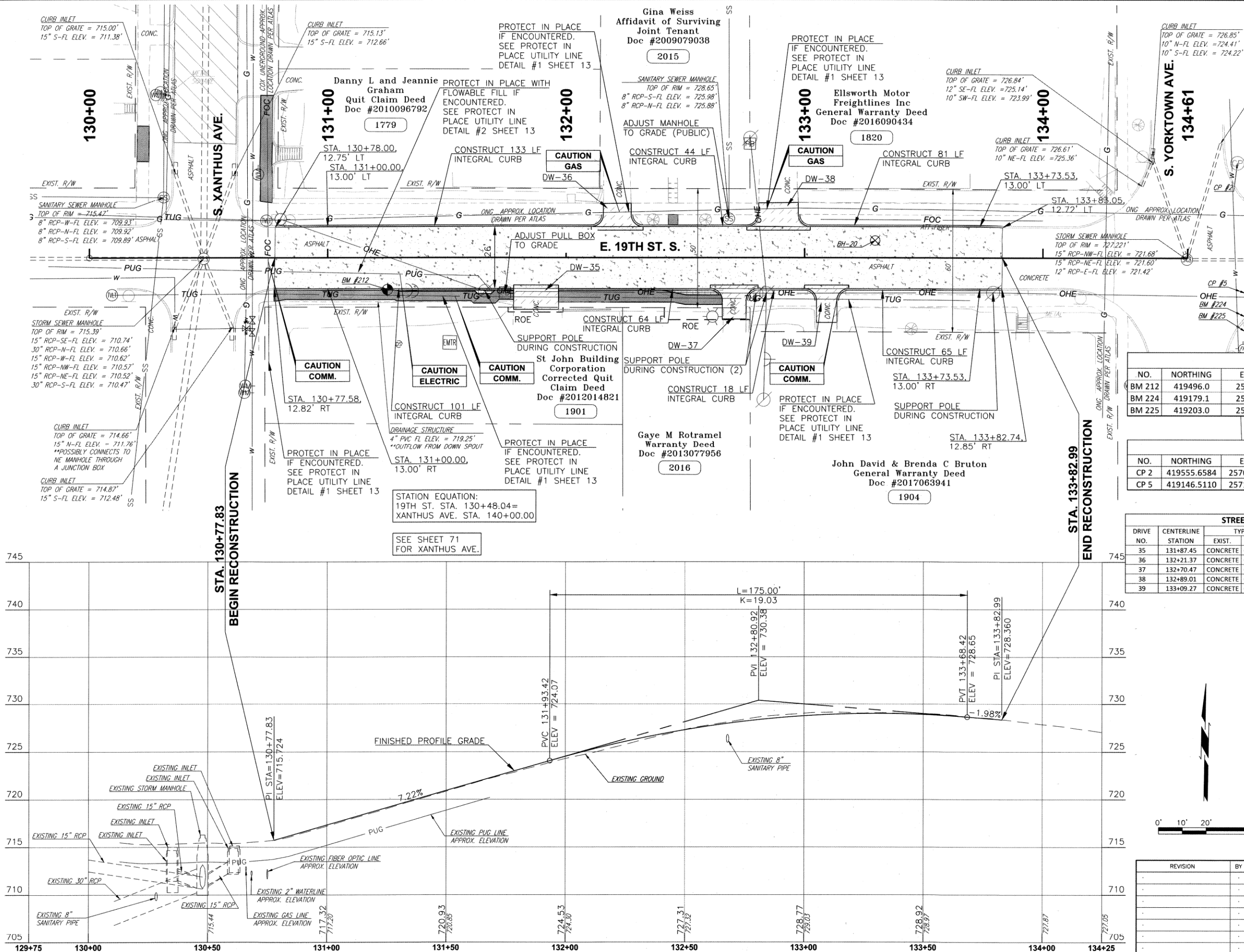
**EXISTING HORIZONTAL UTILITY LOCATIONS
AND DEPTHS ARE APPROXIMATE AND MUST
BE FIELD VERIFIED PRIOR TO CONSTRUCTION**



CEC 1300 S. Main Street Tulsa, OK 74137
(918) 663-9401

REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED: DESIGN MANAGER DATE <u>01.30.26</u>
-	-	-	1" = 20'	DESIGNED	J.L.C.	7/2025	
-	-	-		SURVEY	B.B.	11/2020	
-	-	-	PROFILE SCALES:	PROJ. MGR.			
-	-	-	HORIZONTAL:	LEAD ENGR.	(20)	10/25	
-	-	-	1" = 20'	FIELD MGR.	Ran	12/25	
-	-	-	VERTICAL				
-	-	-	1" = 5'				
-	-	-	DRAWING: 4021 IOT2 19TH ST.P&S.DWG				
-	-	-	ATLAS PAGE NO: 3, 14				SHEET 69 OF 102

PLOT DATE: July 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021\02\PRODUCTION DRAWINGS\4021 IOT2 19TH ST.P&S.DWG



LEGEND

1 DRAINAGE STRUCTURE NUMBER

1234 NEAREST ADDRESS

PROPOSED RECONSTRUCTION

PROPOSED MILL & OVERLAY

PROPOSED PATCH

REMOVE AND REPLACE CURB AND GUTTER

PROPOSED DRIVE

PROPOSED STREET RETURN

PROPOSED SIDEWALK

PROPOSED STAMPED SIDEWALK

BORE HOLE LOCATION

BENCHMARK

NOTE: SEE TYPICAL SECTIONS FOR PAVEMENT DEPTH AND OTHER DETAILS

BENCHMARK TABLE				
NO.	NORTHING	EASTING	ELEV.	DESCRIPTION
BM 212	419496.0	2569905.7	719.06	BM SET CUT X ON TOP OF CURB
BM 224	419179.1	2570966.0	710.20	BM SET CUT X ON TOP OF CURB
BM 225	419203.0	2570729.9	710.80	BM SET CUT X ON TOP OF CURB

CONTROL POINT TABLE				
NO.	NORTHING	EASTING	ELEV.	DESCRIPTION
CP 2	419555.6584	2570261.2204	727.46	CP SET 5/8" IP/CEC CAP
CP 5	419146.5110	2571338.3291	705.82	CP SET 5/8" W/ CEC CP CAP

STREET RETURN AND DRIVE SUMMARY TABLE									
DRIVE NO.	CENTERLINE STATION	TYPE	LT./RT.	WIDTH X LENGTH	RADIUS (FT)	AREA (SY)	EX. SLOPE (%)	PROP. SLOPE (%)	
35	131+87.45	CONCRETE	RT	19 X 11	0	22	8.22	13.16	
36	132+21.37	CONCRETE	LT	12 X 12	5	18	12.98	9.64	
37	132+70.47	CONCRETE	RT	10 X 15	5	19	9.62	13.00	
38	132+89.01	CONCRETE	LT	17 X 12	5	25	9.36	15.81	
39	133+09.27	CONCRETE	RT	9 X 16	5	18	12.28	11.94	

EXISTING HORIZONTAL UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE AND MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION



19TH ST. PLAN & PROFILE (3 OF 3)

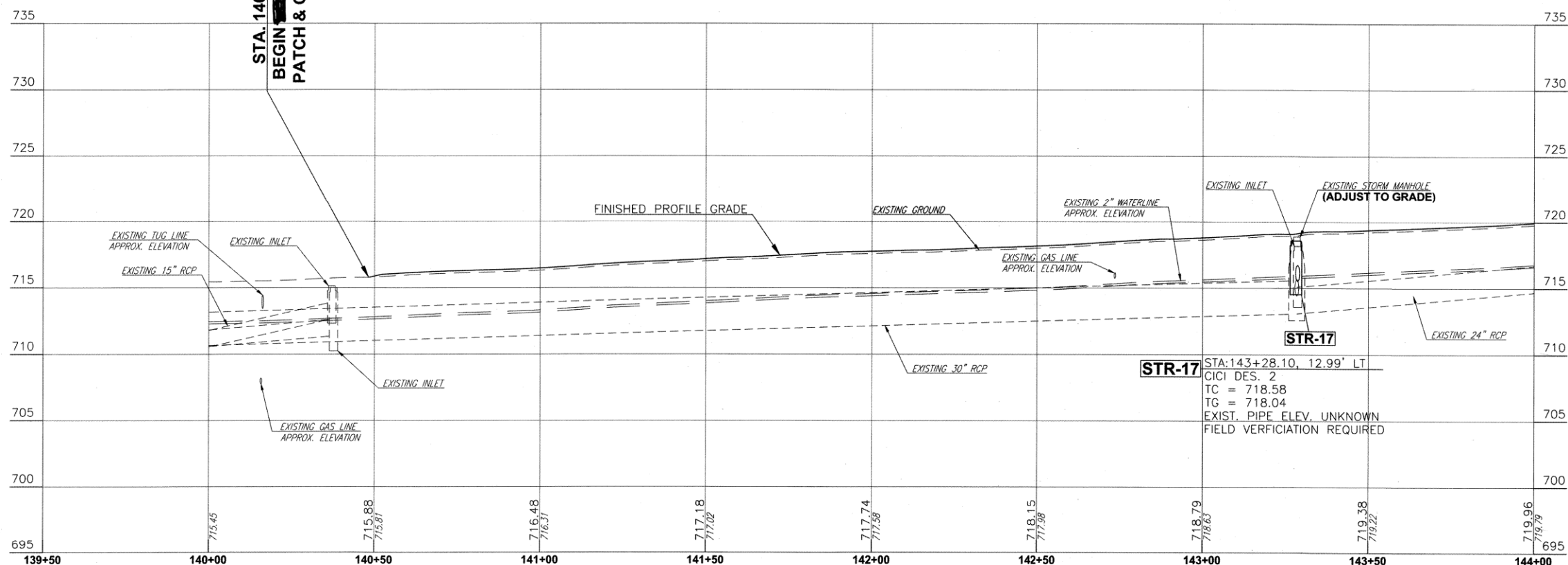
PROJECT NO. 2036N4021Z

NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

CEC Corporation
1300 S. Main Street Tulsa, OK 74137
(918) 663-9401

REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:
-	-	-	1" = 20'	DESIGNED	J.L.C.	7/2025	-
-	-	-	SURVEY	B.B.	11/2020	-	-
-	-	-	PROFILE SCALES:	PROJ. MGR.	5/24/2025	-	-
-	-	-	HORIZONTAL:	LEAD ENGR.	1/2/25	-	-
-	-	-	1" = 20'	FIELD MGR.	1/2/25	-	-
-	-	-	VERTICAL:	-	-	-	-
-	-	-	1" = 5'	-	-	-	-
-	-	-	DRAWING: 4021 IOT2 19TH ST.P&S.DWG	-	-	-	DATE 01.30.26
-	-	-	ATLAS PAGE NO: 3, 14	-	-	-	SHEET 70 OF 102



LEGEND	
• 1	DRAINAGE STRUCTURE NUMBER
1234	NEAREST ADDRESS
	PROPOSED RECONSTRUCTION
	PROPOSED RECONSTRUCTION & OVERLAY
	PROPOSED RECONSTRUCTION MILL & OVERLAY
	PROPOSED PATCH
	REMOVE AND REPLACE CURB AND GUTTER
	PROPOSED DRIVE
	PROPOSED STREET RETURN
	PROPOSED SIDEWALK
	PROPOSED STAMPED SIDEWALK
	BORE HOLE LOCATION
	BENCHMARK

NOTE:
SEE TYPICAL SECTIONS FOR PAVEMENT DEPTH AND OTHER DETAILS

BENCHMARK TABLE				
NO.	NORTHING	EASTING	ELEV.	DESCRIPTION
BM 212	419496.0	2569905.7	719.06	BM SET CUT X ON TOP OF CURB
BM 213	419856.4	2569795.9	721.06	BM SET CUT X IN TOP OF WALL

STREET RETURN AND DRIVE SUMMARY TABLE									
DRIVE NO.	CENTERLINE STATION	TYPE		LT./RT.	WIDTH X LENGTH	RADI (FT)	AREA (SY)	EX. SLOPE (%)	PROP. SLOPE (%)
		EXIST.	PROP.						
40	142+34.77	CONCRETE	CONCRETE	RT	10 X 17	5	22	14.03	9.94
41	142+67.14	CONCRETE	CONCRETE	LT	10 X 18	5 LT, 2.5 RT	21	11.53	6.16
42	142+81.87	CONCRETE	CONCRETE	LT	10 X 18	2.5 LT, 5 RT	22	8.67	7.10
43	143+20.88	CONCRETE	CONCRETE	RT	10 X 17	5 LT, 0 RT	21	7.90	6.44
44	143+71.69	CONCRETE	CONCRETE	LT	10 X 17	5	22	9.66	7.60

NOTE:

PATCH QUANTITIES AND LOCATIONS SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION WITH FIELD AND DESIGN ENGINEERING.

**SEE SHEETS 74 - 75 FOR
PROPOSED WATERLINE PLANS**

EXISTING HORIZONTAL UTILITY LOCATIONS
AND DEPTHS ARE APPROXIMATE AND MUST
BE FIELD VERIFIED PRIOR TO CONSTRUCTION

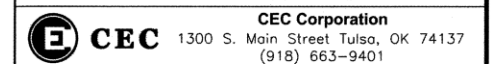


XANTHUS AVE. PLAN & PROFILE (1 OF 2)

PROJECT NO. 2036N4021Z

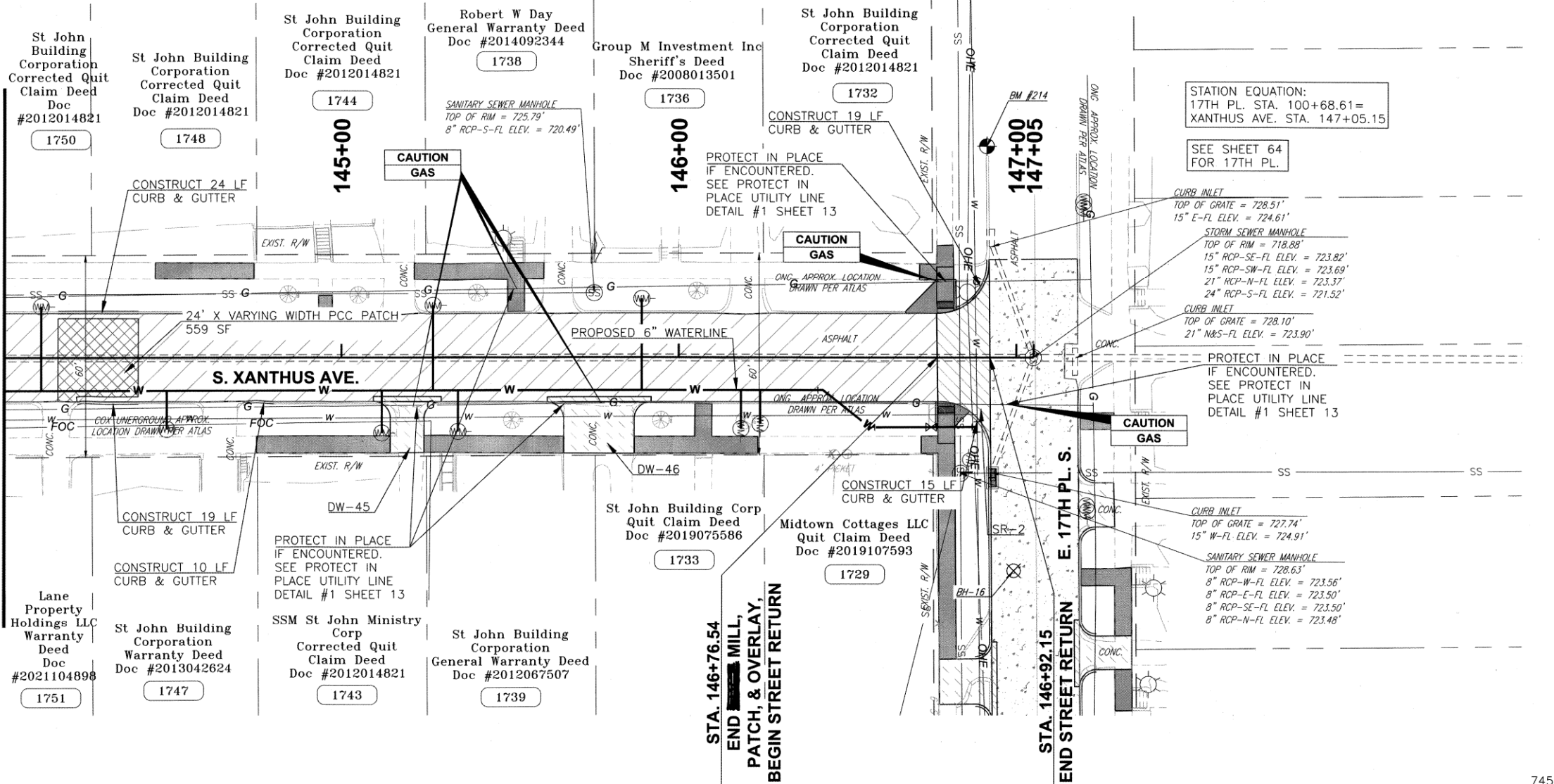
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT



	REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C. 7/2025	APPROVED:
10	-	-	-	1" = 20'	DESIGNED	J.L.C. 7/2025	
	-	-	-		SURVEY	B.B. 11/2020	
	-	-	-	PROFILE SCALES:	PROJ. MGR.	SWW 10/25	
	-	-	-	HORIZONTAL:	LEAD ENGR.	JD 10/25	
	-	-	-	1" = 20'	FIELD MGR.	SWW 10/25	
5	-	-	-	VERTICAL			
	-	-	-	1" = 5'			
	-	-	-				
	-	-	-				
				DRAWING: 4021 1012 XANTHUS AVE&PAPS (SOUTH).DWG	DATE	01.20.26	
				ATLAS PAGE NO: 3, 14		SHEET 71 OF 102	

STA 144+00
SEE SHEET 71



LEGEND

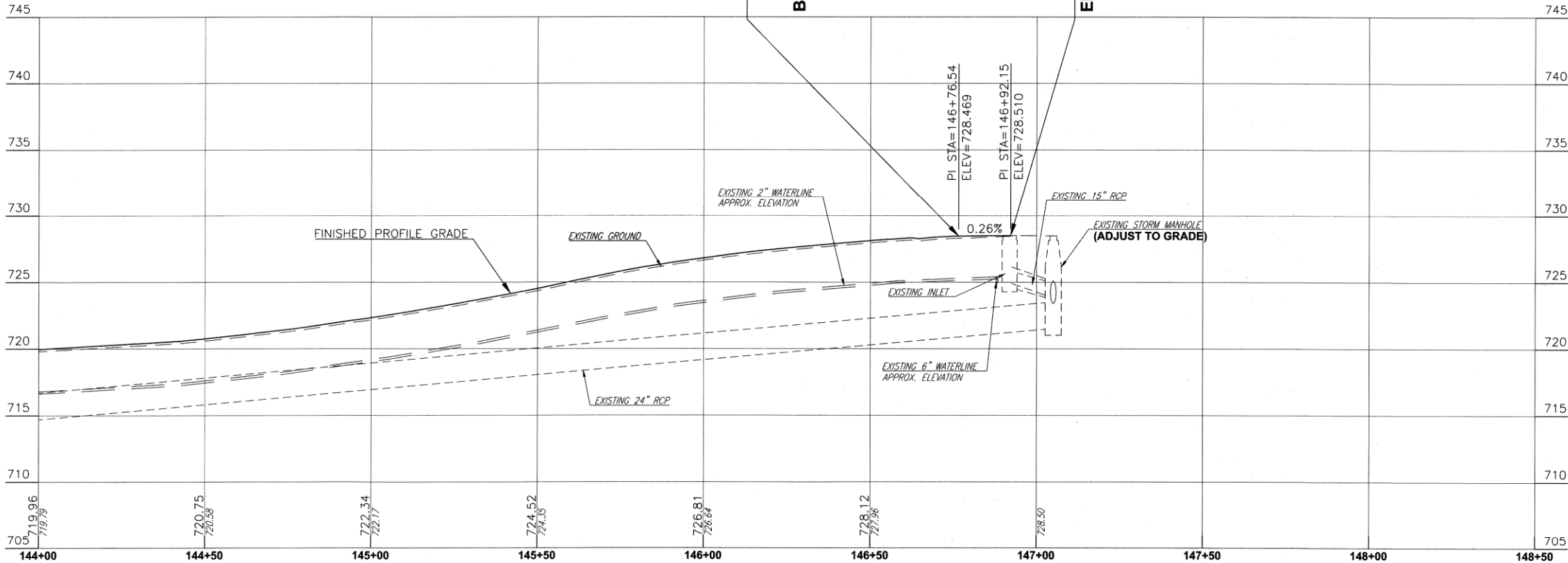
- 1 DRAINAGE STRUCTURE NUMBER
- 1234 NEAREST ADDRESS
- PROPOSED RECONSTRUCTION
- PROPOSED MILL & OVERLAY
- PROPOSED MILL & OVERLAY
- PROPOSED PATCH
- REMOVE AND REPLACE CURB AND GUTTER
- PROPOSED DRIVE
- PROPOSED STREET RETURN
- PROPOSED SIDEWALK
- PROPOSED STAMPED SIDEWALK
- BORE HOLE LOCATION
- BENCHMARK

NOTE:
SEE TYPICAL SECTIONS FOR PAVEMENT DEPTH AND OTHER DETAILS

BENCHMARK TABLE				
NO.	NORTHING	EASTING	ELEV.	DESCRIPTION
BM 214	420198.6	2569758.8	729.85	BM SET CUT X ON TOP OF CURB

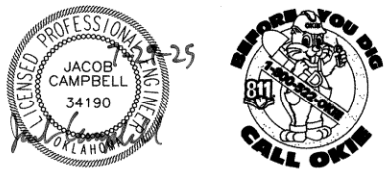
STREET RETURN AND DRIVE SUMMARY TABLE										
DRIVE NO.	CENTERLINE STATION	TYPE	LT./RT.	WIDTH X LENGTH	RADII (FT)	AREA (SQ)	EX. SLOPE (%)	PROP. SLOPE (%)		
45	145+19.51	CONCRETE	RT	10 X 17	5	22	8.92	4.19		
46	145+76.38	CONCRETE	RT	21 X 17	5	42	14.27	10.93		
SR-2	N/A	CONCRETE	N/A	27 X 16	15	57	1.03	1.79		

NOTE:
PATCH QUANTITIES AND LOCATIONS SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION WITH FIELD AND DESIGN ENGINEERING.



SEE SHEETS 74 - 75 FOR PROPOSED WATERLINE PLANS

EXISTING HORIZONTAL UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE AND MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION



XANTHUS AVE. PLAN & PROFILE (2 OF 2)

PROJECT NO. 2036N4021Z

NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

CEC Corporation
1300 S. Main Street Tulsa, OK 74137
(918) 663-9401

REVISION	BY	DATE
1	J.L.C.	7/2025
2	J.L.C.	7/2025
3	B.B.	11/2020
4	SHW	10/25
5	LEAD ENGR.	10/25
6	FIELD MGR.	10/25

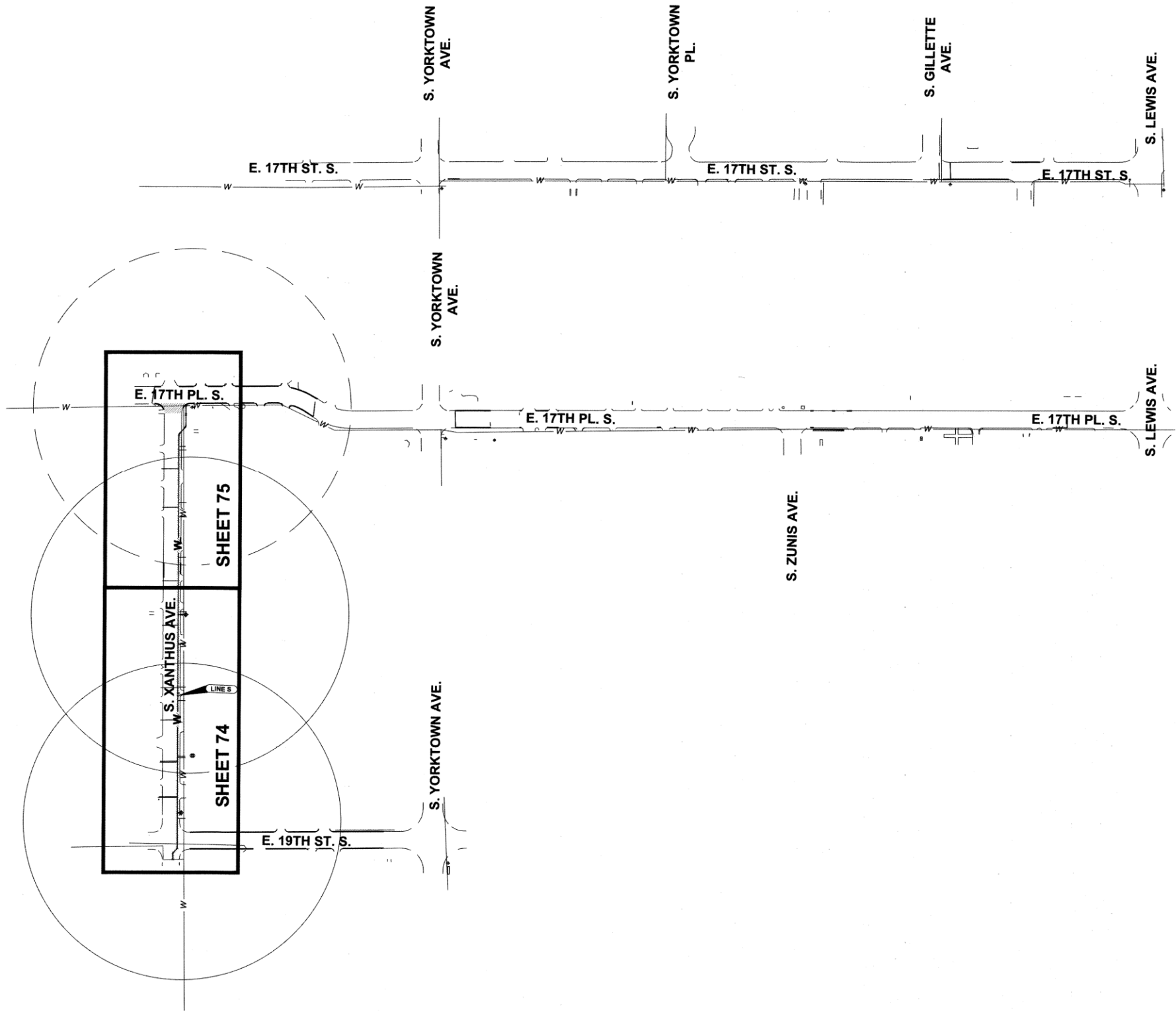
PLAN SCALE: 1" = 20'

PROFILE SCALES: HORIZONTAL: 1" = 20', VERTICAL: 1" = 5'

DRAWING: 4021 1072 XANTHUS AVE.P&PS (SOUTH).DWG
ATLAS PAGE NO: 3, 14

APPROVED: [Signature]
DATE: 07.30.25
SHEET 72 OF 102

PLOT DATE: July 28, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021 IOT2\PRODUCTION DRAWINGS\EXTERNAL REFERENCES\4021 IOT2 WATERLINE-BASEMAP.DWG



LEGEND	
FIRE HYDRANT COVERAGE 250' RADIUS	
PROPOSED	
EXISTING	

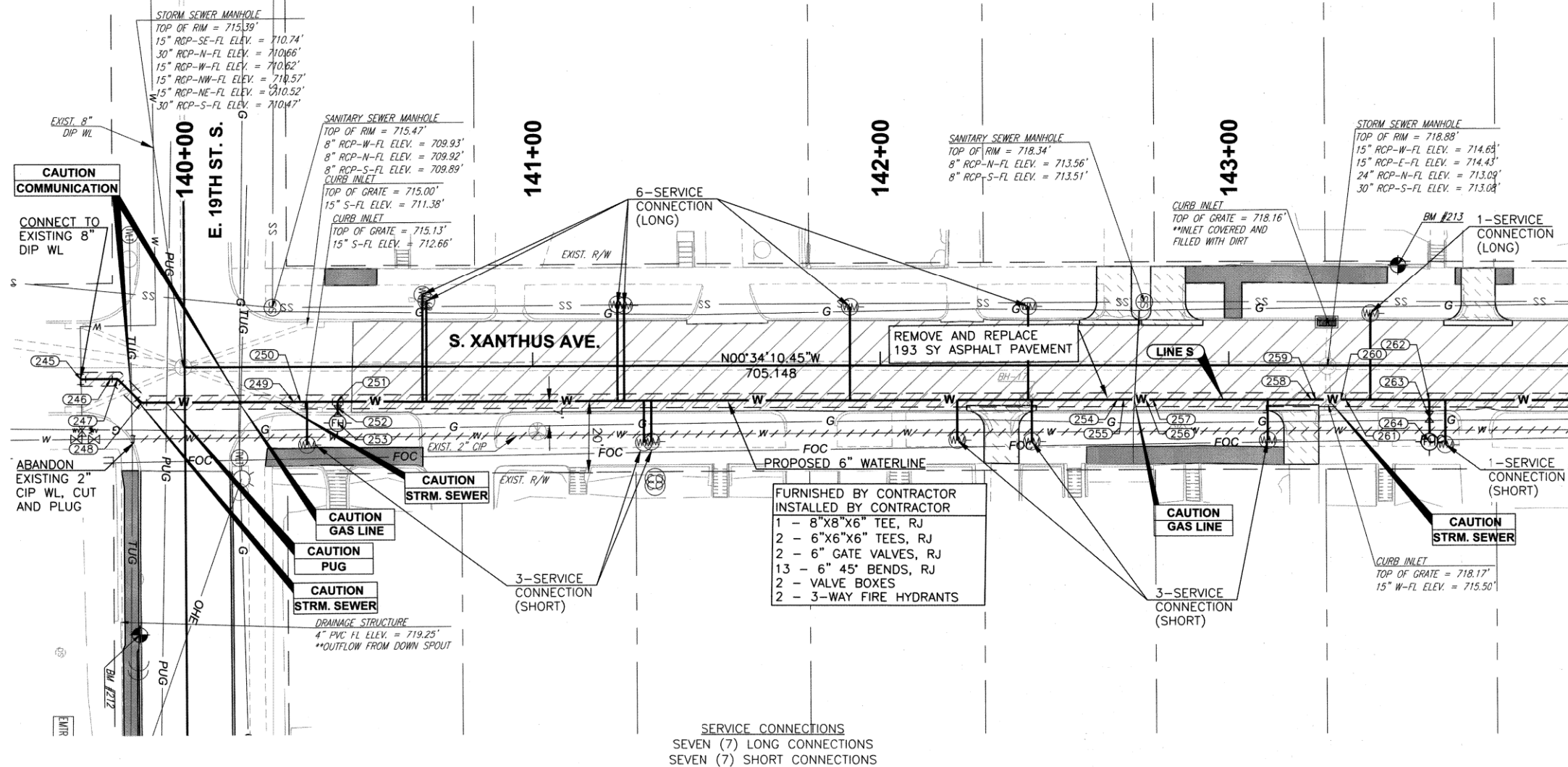
NOTE: WATERLINE CONSTRUCTION SHALL INCLUDE ONE ADDITIONAL FIRE HYDRANT RELOCATION, SEE SHEET 52.



WATERLINE KEY MAP			
PROJECT NO.: 2036N4021Z			
TMUA-W 20-15			
NON-ARTERIAL STREET REHAB			
MAINTENANCE ZONE 4021			
CITY OF TULSA, OKLAHOMA			
PUBLIC WORKS DEPARTMENT			
		CEC Corporation	
		1300 S. Main Street Tulsa, OK 74137	
		(918) 663-9401	
REVISION		PLAN SCALE:	APPROVED:
BY		DRAWN:	
DATE		T.C.B. 08/2021	
-		DESIGNED J.I.C. 08/2021	
-		SURVEY B.B. 11/2020	
-		PROFILE SCALES:	
-		PROJ. MGR. J.E. 11/25	
-		LEAD ENGR. J.E. 11/25	
-		FIELD MGR. J.E. 11/25	
-		HORIZONTAL: N/A	
-		VERTICAL: N/A	
-		DRAWING: 4021 IOT2 WATERLINE-BASEMAP	
-		ATLAS PAGE NO: 03, 14	
		DATE: 01.30.26	
		SHEET 73 OF 102	

PROJECT NO. 2036N4021Z, TMUA-W 20-15

PLOT DATE: December 12, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021.1072\XANTHUS AVE.WATERLINE P&PS.DWG



NOTE:
FOR ALL COORDINATE POINT
INFORMATION SEE SHEET 11.

STA 144+00
SEE SHEET 75

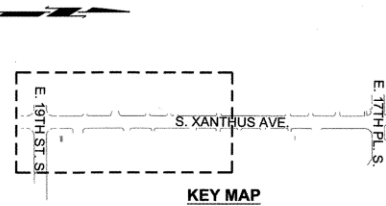
BENCHMARK TABLE				
NO.	NORTHING	EASTING	ELEV.	DESCRIPTION
BM 212	419496.0	2569905.7	719.06	BM SET CUT X ON TOP OF CURB
BM 213	419856.4	2569795.9	721.06	BM SET CUT X IN TOP OF WALL

LEGEND - PLAN

- W WATERLINE PIPE
- EXISTING, TO BE ABANDONED
- PAVEMENT REPLACEMENT (PAID BY WATERLINE)
- DRIVEWAY REPLACEMENT (PAID BY ROADWAY)
- SIDEWALK REPLACEMENT (PAID BY ROADWAY)
- EDGE MILL AND OVERLAY (PAID BY ROADWAY)
- PROPOSED PATCH (PAID BY ROADWAY)

LEGEND - PROFILE

- PVC/HDPE/DIP
- RESTRAINED JOINT



- NOTE: 1. ALL OFFSET DISTANCES TO PROPOSED WATER LINE ARE FROM THE CONSTRUCTION REFERENCE LINE.
2. PORTIONS OF SIDEWALK, DRIVEWAY AND ROADWAY ARE TO BE REPLACED UNDER ROADWAY PAY ITEMS. SEE ROADWAY SHEETS.
3. WHERE WATERLINE IS CONSTRUCTED UNDER INSIDE DRIVING LANE, ALL SERVICE LINES SHALL BE BORED.

EXISTING HORIZONTAL UTILITY LOCATIONS
AND DEPTHS ARE APPROXIMATE AND MUST
BE FIELD VERIFIED PRIOR TO CONSTRUCTION



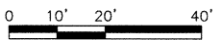
WATERLINE S P&P (1 OF 2)

PROJECT NO. 2036N4021Z
TMUA-W 20-15

NON-ARTERIAL STREET REHAB
MAINTENANCE ZONE 4021

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

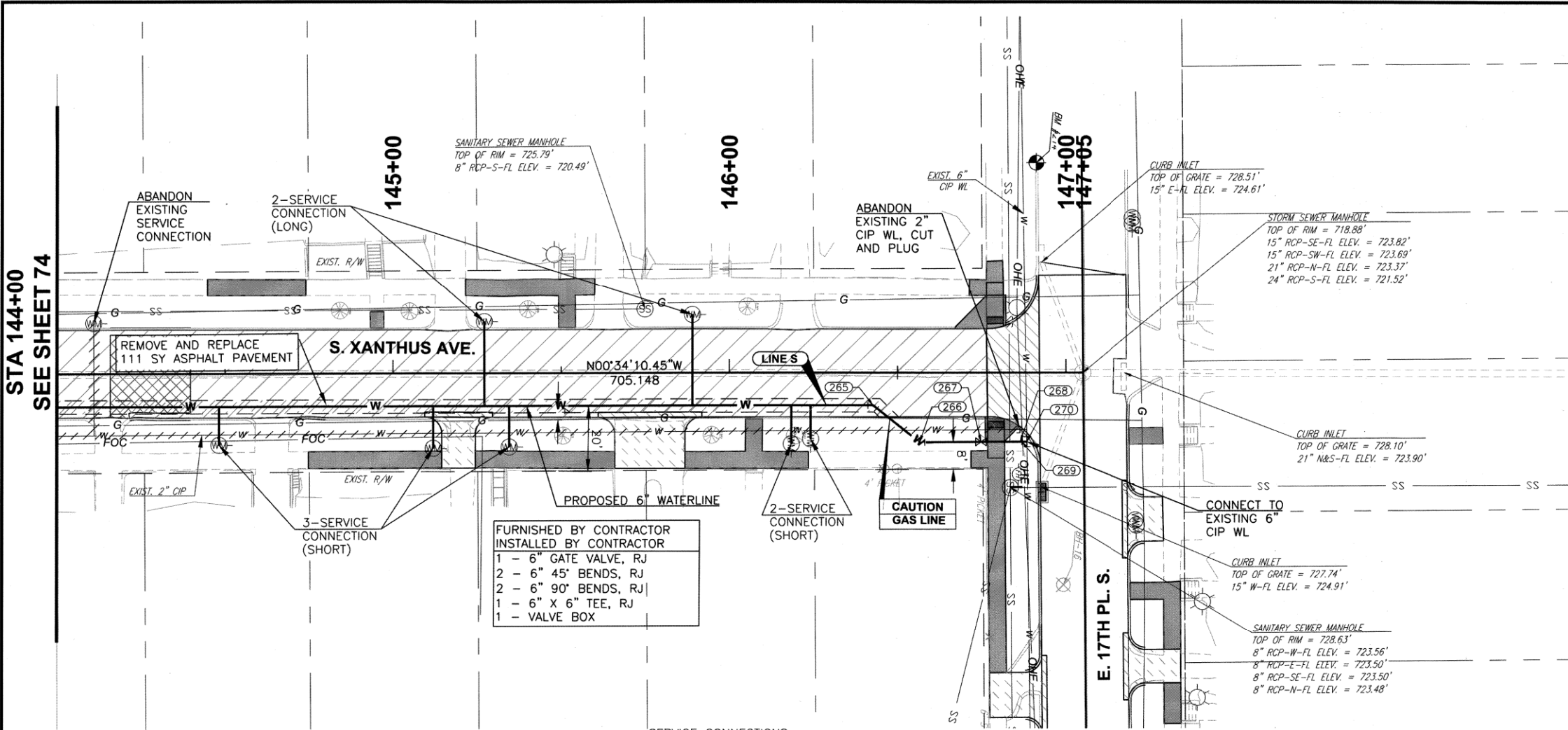
CEC Corporation
1300 S. Main Street Tulsa, OK 74137
(918) 663-9401



REVISION	BY	DATE	PLAN SCALE:	DRAWN	T.C.B.	08/2021	APPROVED:
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PROJECT NO. 2036N4021Z, TMUA-W 20-15

PLOT DATE: December 12, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021\072\XANTHUS AVE.WATERLINE P&PS.DWG



BENCHMARK TABLE				
NO.	NORTHING	EASTING	ELEV.	DESCRIPTION
BM 212	419,496.00	2,569,905.70	719.06	STA. 139+87.14, 77.13' RT BM SET CUT X ON TOP OF CURB
BM 213	419,856.40	2,569,795.90	721.06	STA. 143+48.52, 29.10' LT BM SET CUT X IN TOP OF WALL

LEGEND - PLAN	
W	WATERLINE PIPE
W	EXISTING, TO BE ABANDONED
	PAVEMENT REPLACEMENT (PAID BY WATERLINE)
	DRIVEWAY REPLACEMENT (PAID BY ROADWAY)
	SIDEWALK REPLACEMENT (PAID BY ROADWAY)
	EDGE MILL AND OVERLAY (PAID BY ROADWAY)
	PROPOSED PATCH (PAID BY ROADWAY)
LEGEND - PROFILE	
	PVC/HDPE/DIP
	RESTRAINED JOINT

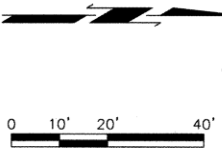
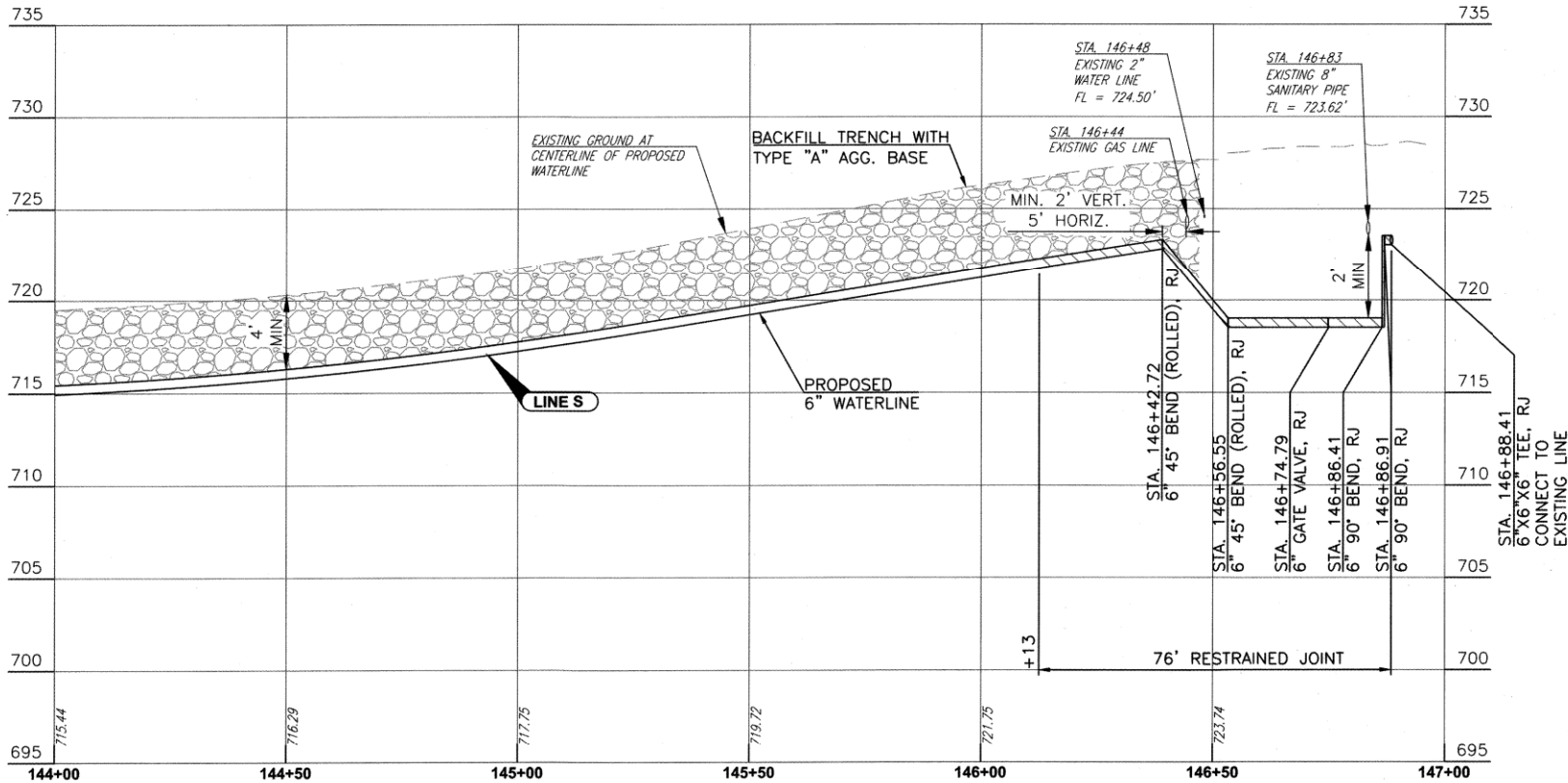


- NOTE: 1. ALL OFFSET DISTANCES TO PROPOSED WATER LINE ARE FROM THE CONSTRUCTION REFERENCE LINE.
2. PORTIONS OF SIDEWALK, DRIVEWAY AND ROADWAY ARE TO BE REPLACED UNDER ROADWAY PAY ITEMS. SEE ROADWAY SHEETS.
3. WHERE WATERLINE IS CONSTRUCTED UNDER INSIDE DRIVING LANE, ALL SERVICE LINES SHALL BE BORED.

EXISTING HORIZONTAL UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE AND MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION

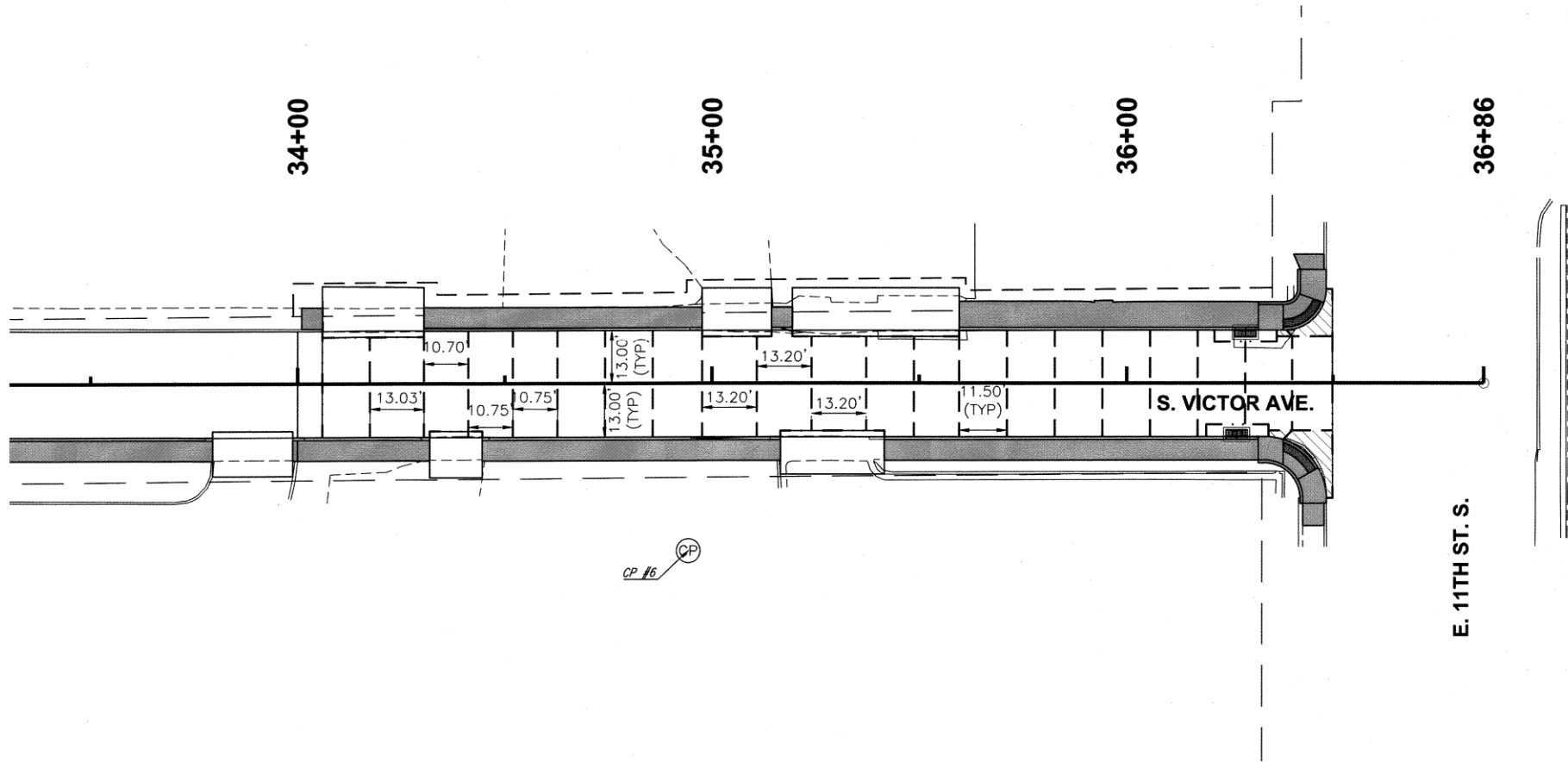


WATERLINE S P&P (2 OF 2)	
PROJECT NO. 2036N4021Z TMUA-W 20-15	
NON-ARTERIAL STREET REHAB MAINTENANCE ZONE 4021	
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT	
CEC Corporation 1300 S. Main Street Tulsa, OK 74137 (918) 663-9401	
PLAN SCALE: 1" = 20'	T.C.B. 08/2021 J.J.C. 08/2021 B.B. 11/2020
PROFILE SCALES: HORIZONTAL: 1" = 20' VERTICAL: 1" = 5'	PROJ. MGR. J.C.B. LEAD ENGR. J.C.B. FIELD MGR. J.C.B.
DRAWING: 4021 072 XANTHUS AVE.WATERLINE P&PS.DWG ATLAS PAGE NO: 03, 14	DESIGN MANAGER DATE 01-22-26 SHEET 75 OF 102



PROJECT NO. 2036N4021Z, TMUA-W 20-15

PLOT DATE: December 12, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021 IOT2\PRODUCTION DRAWINGS\4021 IOT2 JOINT LAYOUT (N&S).DWG



LEGEND

TYPE A EXPANSION JOINT

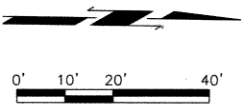
TYPE CC DOWELED SAWED LONGITUDINAL JOINT (#4 SMOOTH BARS @ 30" C/C TYP.)

TYPE D SAWED CONSTRUCTION JOINT

CONCRETE VALLEY GUTTER (SEE DETAIL SHEETS)

REINFORCED CONCRETE PANEL (NO.4 REINFORCING STEEL @ 12" C/C BOTH DIRECTIONS)

EXISTING HORIZONTAL UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE AND MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION



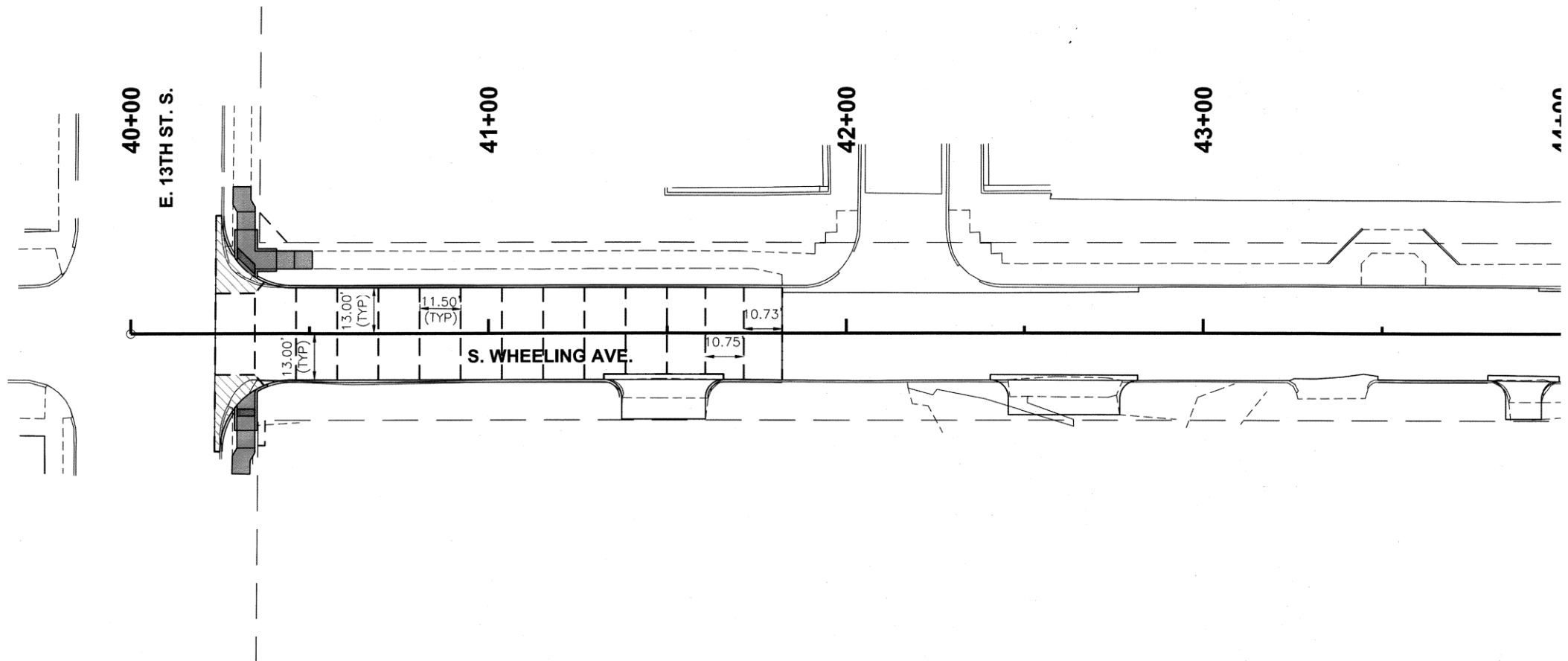
REVISION	BY	DATE

PLAN SCALE:	DRAWN	J.L.C.	7/2025
	DESIGNED	J.L.C.	7/2025
	SURVEY	B.B.	11/2020
PROFILE SCALES:	PROJ. MGR.	SNW	12/25
	LEAD ENGR.		
HORIZONTAL:	FIELD MGR.	Has 12/25	
N/A			
VERTICAL			
N/A			
DRAWING: 4021 IOT2 JOINT LAYOUT (N&S).DWG			
ATLAS PAGE NO: 3, 14			

APPROVED:
DATE 01.30.26
SHEET 76 OF 102

VICTOR AVE. JOINT LAYOUT
PROJECT NO. 2036N4021Z
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT
CEC Corporation
1300 S. Main Street Tulsa, OK 74137
(918) 663-9401

PLOT DATE: December 12, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021 IOT2\PRODUCTION DRAWINGS\4021 IOT2 JOINT LAYOUT (N&S).DWG



LEGEND

TYPE A EXPANSION JOINT

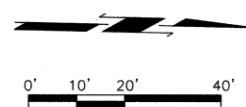
TYPE CC DOWELED SAWED LONGITUDINAL JOINT (#4 SMOOTH BARS @ 30" C/C TYP.)

TYPE D SAWED CONSTRUCTION JOINT

CONCRETE VALLEY GUTTER (SEE DETAIL SHEETS)

REINFORCED CONCRETE PANEL (NO.4 REINFORCING STEEL @ 12" C/C BOTH DIRECTIONS)

EXISTING HORIZONTAL UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE AND MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION



WHEELING AVE. JOINT LAYOUT

PROJECT NO. 2036N4021Z

NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021

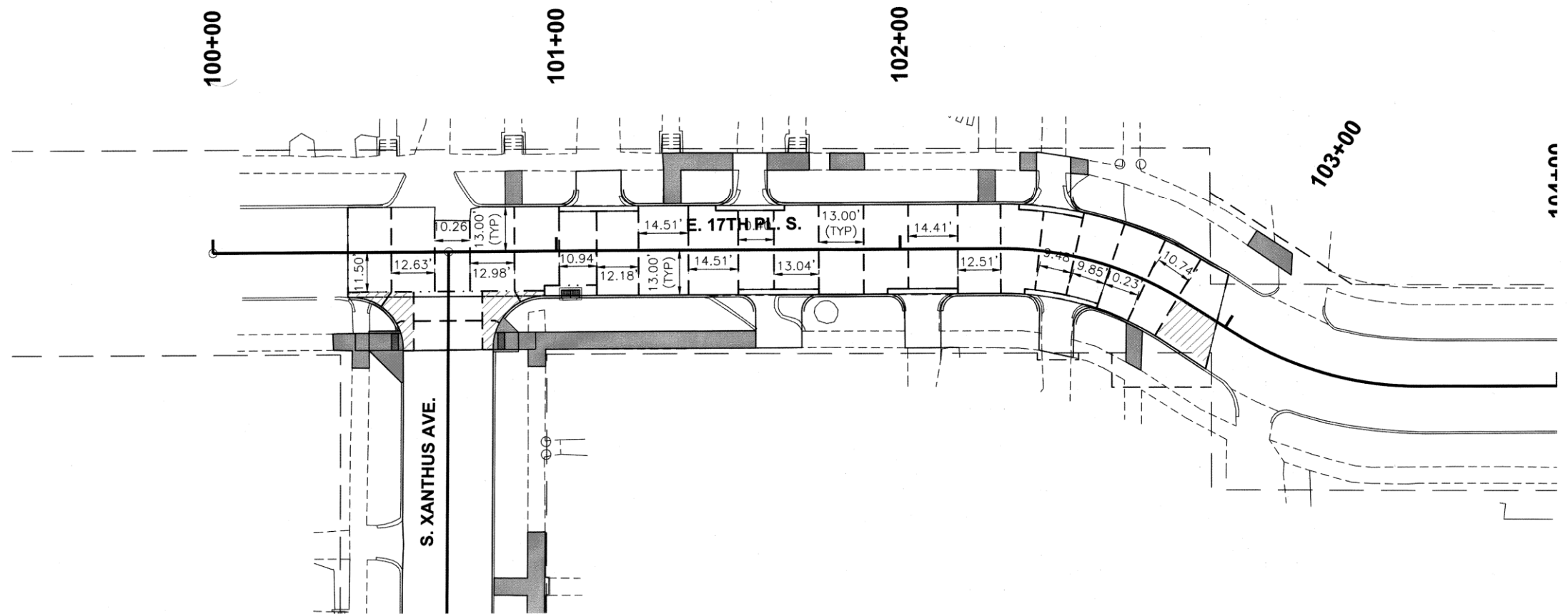
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

CEC Corporation
1300 S. Main Street Tulsa, OK 74137
(918) 663-9401

REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:	
-	-	-	1" = 20'	DESIGNED	J.L.C.	7/2025		
-	-	-		SURVEY	B.B.	11/2020		
-	-	-	PROFILE SCALES:	PROJ. MGR.	SHW	12/25		
-	-	-	HORIZONTAL:	LEAD ENGR.				
-	-	-	VERTICAL:	FIELD MGR.	Ran	drw		
-	-	-			HKS	01-26-26	DATE	
-	-	-	DRAWING: 4021 IOT2 JOINT LAYOUT (N&S).DWG					SHEET 77 OF 102
ATLAS PAGE NO: 3, 14								

REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:
-	-	-	1" = 20'	DESIGNED	J.L.C.	7/2025	
-	-	-		SURVEY	B.B.	11/2020	
-	-	-	PROFILE SCALES:	PROJ. MGR.	SHW	12/25	
-	-	-	HORIZONTAL:	LEAD ENGR.			
-	-	-	VERTICAL:	FIELD MGR.	Ran	drw	
-	-	-			HKS	01-26-26	DATE
DRAWING: 4021 IOT2 JOINT LAYOUT (N&S).DWG							SHEET 77 OF 102
ATLAS PAGE NO: 3, 14							

PLOT DATE: December 12, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021 IOT2\PRODUCTION DRAWINGS\4021 IOT2 JOINT LAYOUT (E&W).DWG



LEGEND

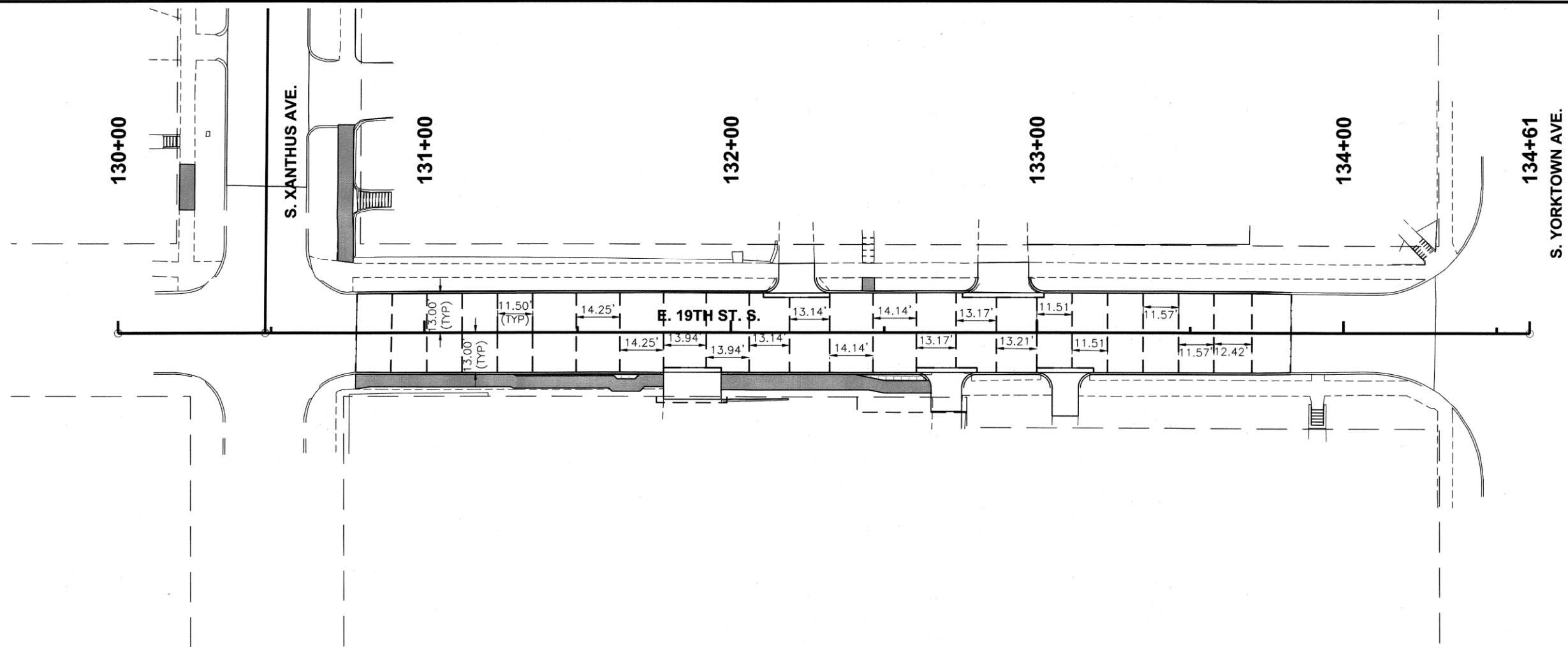
- TYPE A EXPANSION JOINT
- TYPE CC DOWELED SAWED LONGITUDINAL JOINT (#4 SMOOTH BARS @ 30" C/C TYP.)
- TYPE D SAWED CONSTRUCTION JOINT
- CONCRETE VALLEY GUTTER (SEE DETAIL SHEETS)
- REINFORCED CONCRETE PANEL (NO.4 REINFORCING STEEL @ 12" C/C BOTH DIRECTIONS)

EXISTING HORIZONTAL UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE AND MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION



17TH PL. JOINT LAYOUT			
PROJECT NO. 2036N4021Z			
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT			
CEC Corporation 1300 S. Main Street Tulsa, OK 74137 (918) 663-9401			
REVISION	BY	DATE	APPROVED:
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
PLAN SCALE: 1" = 20'			J.L.C. 7/2025
DESIGNED			J.L.C. 7/2025
SURVEY			B.B. 11/2020
PROFILE SCALES:			PROJ. MGR. 6/10/25
HORIZONTAL:			LEAD ENGR.
N/A			FIELD MGR. 12/15
VERTICAL:			HAS 01-26
N/A			DATE 01-30-26
DRAWING: 4021 IOT2 JOINT LAYOUT (E&W).DWG			SHEET 78 OF 102
ATLAS PAGE NO: 3, 14			

PLOT DATE: December 12, 2025. DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021 IOT2\PRODUCTION DRAWINGS\4021 IOT2 JOINT LAYOUT (E&W).DWG



LEGEND

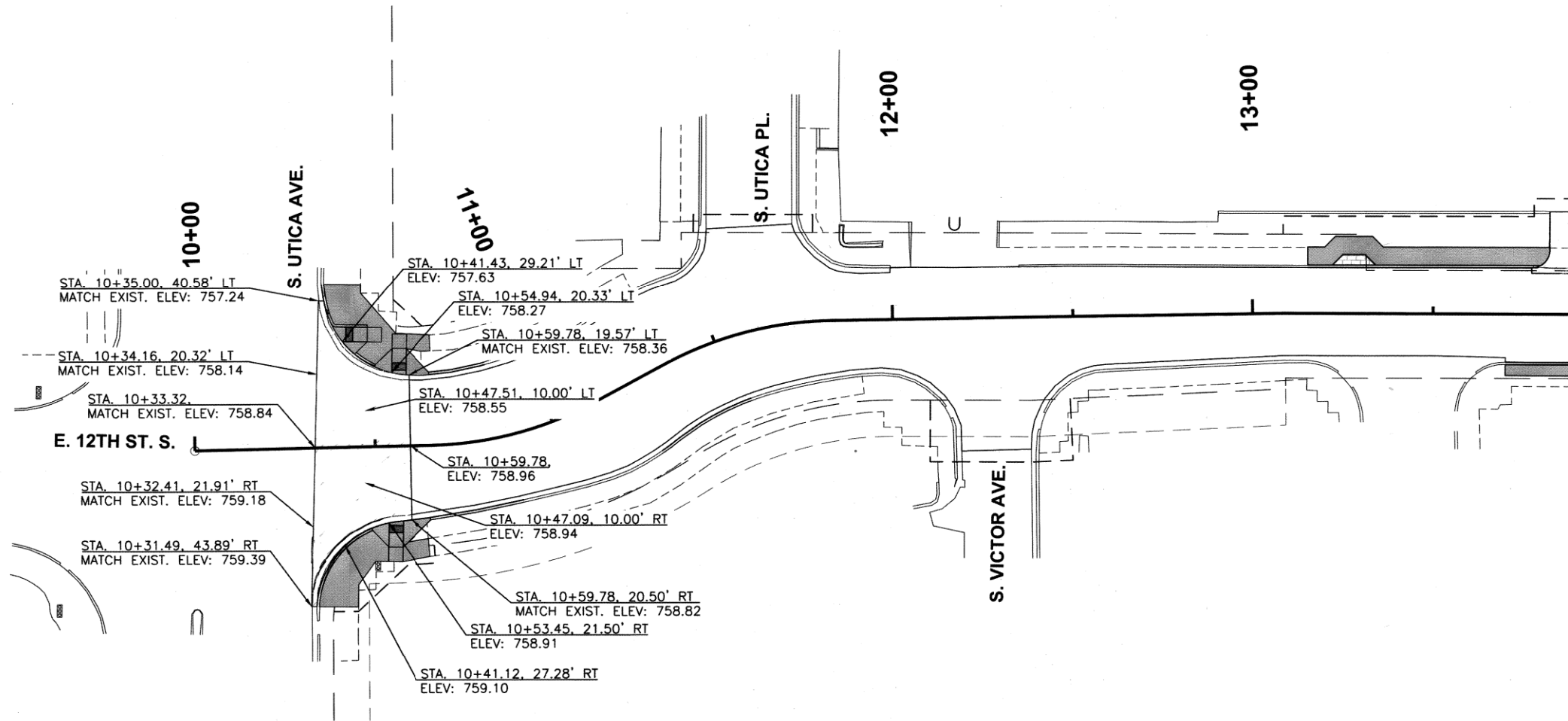
- TYPE A EXPANSION JOINT
- TYPE CC DOWELED SAWED LONGITUDINAL JOINT (#4 SMOOTH BARS @ 30" C/C TYP.)
- TYPE D SAWED CONSTRUCTION JOINT
- CONCRETE VALLEY GUTTER (SEE DETAIL SHEETS)
- REINFORCED CONCRETE PANEL (NO.4 REINFORCING STEEL @ 12" C/C BOTH DIRECTIONS)

EXISTING HORIZONTAL UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE AND MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION



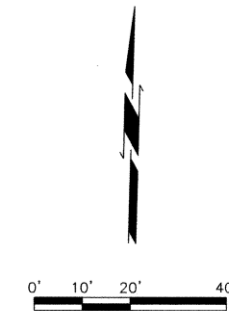
19TH ST. JOINT LAYOUT																																																																									
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<table border="1"><thead><tr><th>REVISION</th><th>BY</th><th>DATE</th></tr></thead><tbody><tr><td>-</td><td>-</td><td>-</td></tr><tr><td>-</td><td>-</td><td>-</td></tr><tr><td>-</td><td>-</td><td>-</td></tr><tr><td>-</td><td>-</td><td>-</td></tr><tr><td>-</td><td>-</td><td>-</td></tr><tr><td>-</td><td>-</td><td>-</td></tr><tr><td>-</td><td>-</td><td>-</td></tr><tr><td>-</td><td>-</td><td>-</td></tr><tr><td>-</td><td>-</td><td>-</td></tr></tbody></table>		REVISION	BY	DATE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<table border="1"><thead><tr><th>PLAN SCALE:</th><th>DRAWN</th><th>J.L.C.</th><th>7/2025</th></tr></thead><tbody><tr><td>1" = 20'</td><td>DESIGNED</td><td>J.L.C.</td><td>7/2025</td></tr><tr><td></td><td>SURVEY</td><td>B.B.</td><td>11/2020</td></tr><tr><td>PROFILE SCALES:</td><td>PROJ. MGR.</td><td>SWW</td><td>12/25</td></tr><tr><td>HORIZONTAL:</td><td>LEAD ENGR.</td><td></td><td></td></tr><tr><td>N/A</td><td>FIELD MGR.</td><td>SWW</td><td>12/25</td></tr><tr><td>VERTICAL</td><td></td><td></td><td></td></tr><tr><td>N/A</td><td></td><td></td><td></td></tr><tr><td colspan="4">DRAWING: 4021 IOT2 JOINT LAYOUT (E&W).DWG</td></tr><tr><td colspan="4">ATLAS PAGE NO: 3, 14</td></tr></tbody></table>		PLAN SCALE:	DRAWN	J.L.C.	7/2025	1" = 20'	DESIGNED	J.L.C.	7/2025		SURVEY	B.B.	11/2020	PROFILE SCALES:	PROJ. MGR.	SWW	12/25	HORIZONTAL:	LEAD ENGR.			N/A	FIELD MGR.	SWW	12/25	VERTICAL				N/A				DRAWING: 4021 IOT2 JOINT LAYOUT (E&W).DWG				ATLAS PAGE NO: 3, 14			
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DRAWING: 4021 IOT2 JOINT LAYOUT (E&W).DWG																																																																									
ATLAS PAGE NO: 3, 14																																																																									
APPROVED:		DATE: 12.20.26																																																																							

PLOT DATE: JULY 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021 IOT2\PRODUCTION DRAWINGS\4021 IOT2 INTERSECTION DETAILS (E&W).DWG

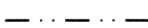
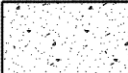


LEGEND	
---	TYPE A EXPANSION JOINT
---	TYPE CC DOWELED SAWED LONGITUDINAL JOINT (#4 SMOOTH BARS @ 30" C/C TYP.)
---	TYPE D SAWED CONSTRUCTION JOINT
	CONCRETE VALLEY GUTTER (SEE DETAIL SHEETS)
	REINFORCED CONCRETE PANEL (NO.4 REINFORCING STEEL @ 12" C/C BOTH DIRECTIONS)

EXISTING HORIZONTAL UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE AND MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION

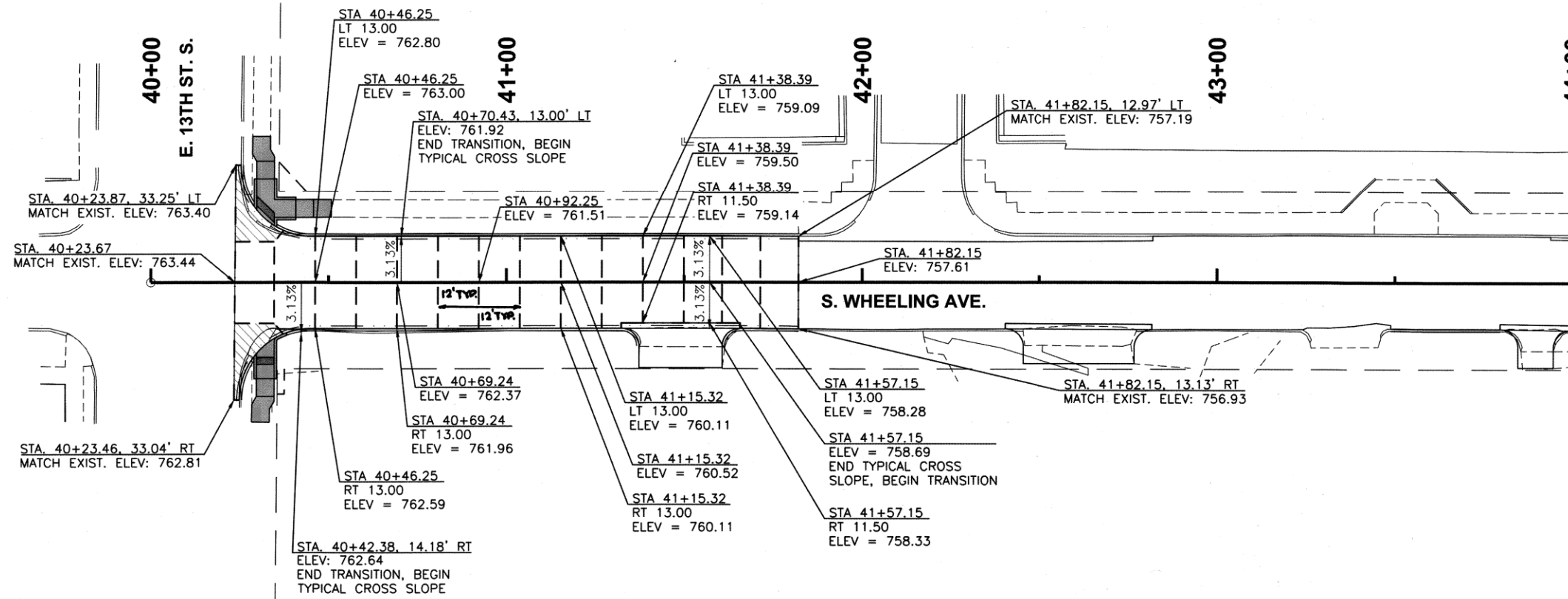


12TH ST. & UTICA AVE. INTERSECTION DETAIL				
PROJECT NO. 2036N4021Z				
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021				
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT				
CEC CEC Corporation 1300 S. Main Street Tulsa, OK 74137 (918) 663-9401				
E	PLAN SCALE:	DRAWN	J.L.C. 7/2025	APPROVED:  DATE 01.30.26
	1" = 20'	DESIGNED	J.L.C. 7/2025	
		SURVEY	B.B. 11/2020	
	PROFILE SCALES:	PROJ. MGR.	SHW 10/25	
	HORIZONTAL:	LEAD ENGR.	10/25	
	VERTICAL	FIELD MGR.	10/25	
	N/A			
	VERTICAL			
	N/A			
DRAWING: 4021 IOT2 INTERSECTION DETAILS (E&W).DWG				
ATLAS PAGE NO: 3, 14				SHEET 80 OF 102

	TYPE A EXPANSION JOINT
	TYPE CC DOWELED SAWED LONGITUDINAL JOINT (#4 SMOOTH BARS @ 30" C/C TYP.)
	TYPE D SAWED CONSTRUCTION JOINT
	CONCRETE VALLEY GUTTER (SEE DETAIL SHEETS)
	REINFORCED CONCRETE PANEL (NO.4 REINFORCING STEEL @ 12" C/C BOTH DIRECTIONS)

REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C. 7/2025	APPROVED:  JASON M. HINES DATE <u>01.30.26</u>
-	-	-	1" = 20'	DESIGNED	J.L.C. 7/2025	
-	-	-		SURVEY	B.B. 11/2020	
-	-	-	PROFILE SCALES:	PROJ. MGR.	<u>SWW 12/25</u>	
-	-	-	HORIZONTAL:	LEAD ENGR.		
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-	-	-	VERTICAL			
-	-	-	N/A		<u>HAS 01-210</u>	
-	-	-	DRAWING: 4021 IOT2 INTERSECTION DETAILS (N&S).DWG			DATE
-	-	-	ATLAS PAGE NO: 3, 14			SHEET 81 of 102

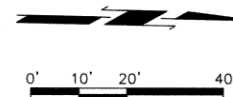
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LEGEND

- TYPE A EXPANSION JOINT
- TYPE CC DOWELED SAWED LONGITUDINAL JOINT (#4 SMOOTH BARS @ 30" C/C TYP.)
- TYPE D SAWED CONSTRUCTION JOINT
- CONCRETE VALLEY GUTTER (SEE DETAIL SHEETS)
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EXISTING HORIZONTAL UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE AND MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION



WHEELING AVE. INTERSECTION DETAILS

PROJECT NO. 2036N4021Z

NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021

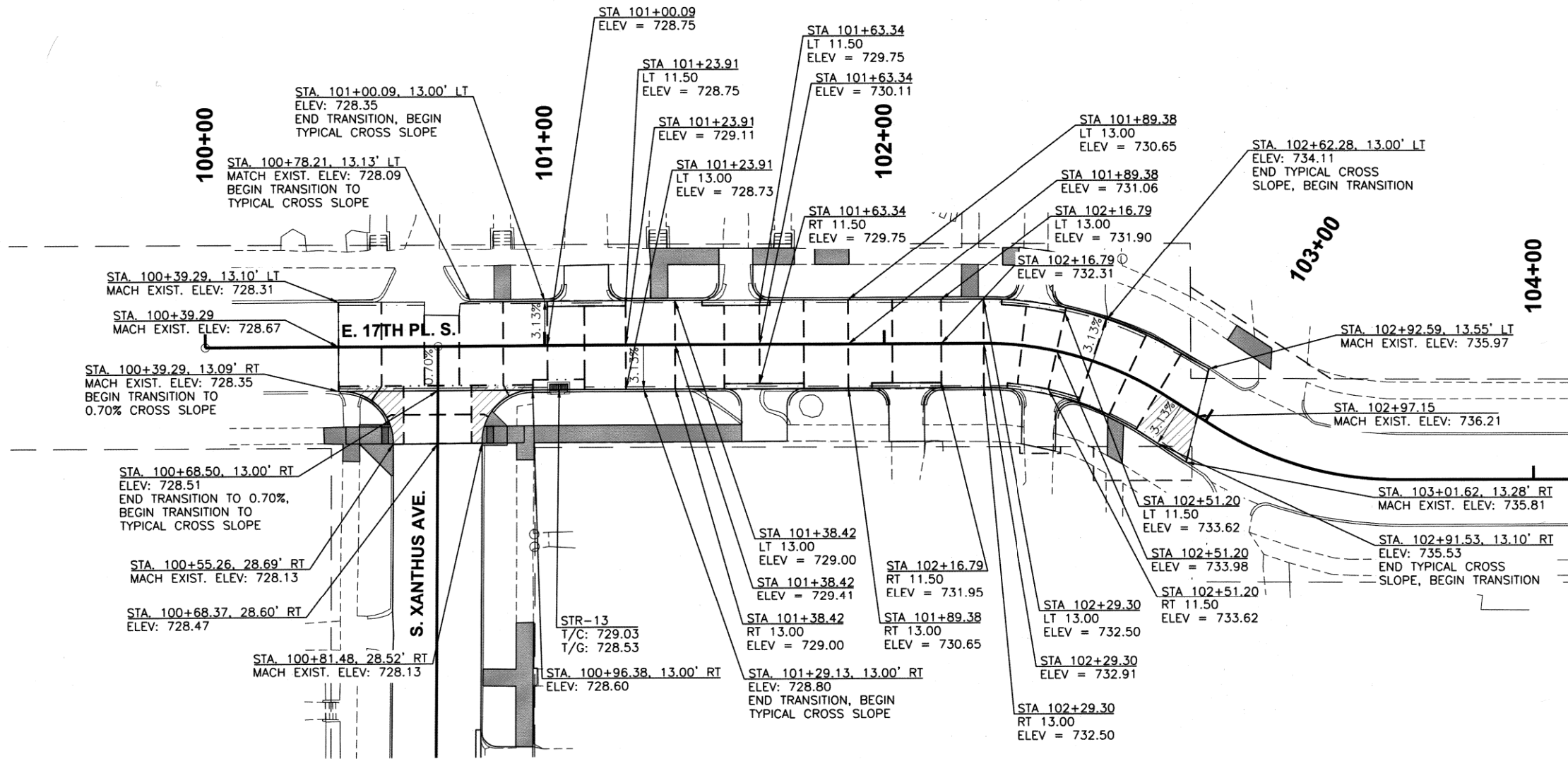
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

CEC Corporation
1300 S. Main Street Tulsa, OK 74137
(918) 663-9401

REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:
-	-	-	1" = 20'	DESIGNED	J.L.C.	7/2025	
-	-	-		SURVEY	B.B.	11/2020	
-	-	-	PROFILE SCALES:	PROJ. MGR.	SMW	12/25	
-	-	-	HORIZONTAL:	LEAD ENGR.			
-	-	-	VERTICAL:	FIELD MGR.			

DRAWING: 4021 IOT2 INTERSECTION DETAILS (N&S).DWG DATE: 01.30.26

ATLAS PAGE NO: 3, 14 SHEET 82 OF 102



LEGEND

- TYPE A EXPANSION JOINT
- TYPE CC DOWELED SAWED LONGITUDINAL JOINT (#4 SMOOTH BARS @ 30" C/C TYP.)
- TYPE D SAWED CONSTRUCTION JOINT
- CONCRETE VALLEY GUTTER (SEE DETAIL SHEETS)
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**EXISTING HORIZONTAL UTILITY LOCATIONS
AND DEPTHS ARE APPROXIMATE AND MUST
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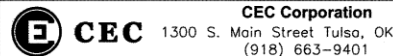


17TH PL. INTERSECTION DETAIL

PROJECT NO. 2036N4021Z

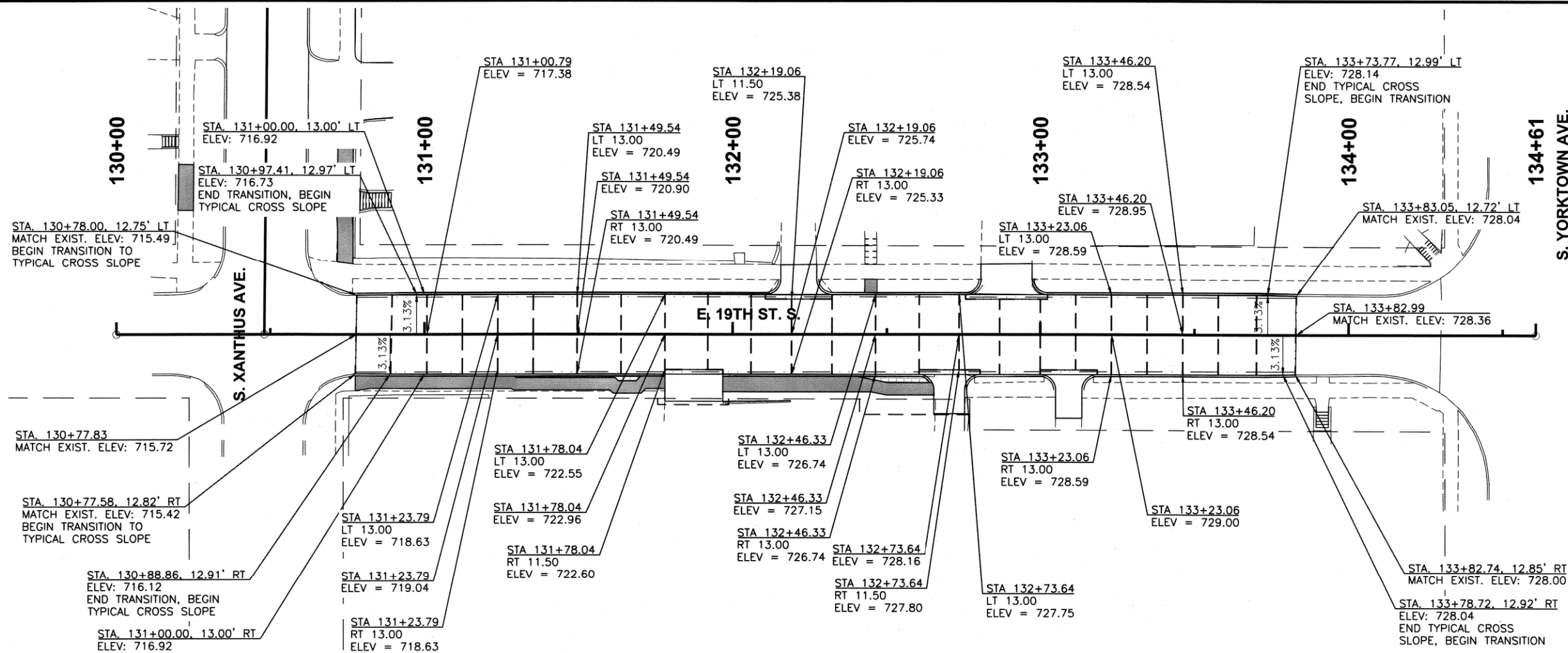
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT



REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C. 7/2025	APPROVED:
-	-	-	1" = 20'	DESIGNED	J.L.C. 7/2025	
-	-	-		SURVEY	B.B. 11/2020	
-	-	-	PROFILE SCALES:	PROJ. MGR.	SHW 12/25	
-	-	-	HORIZONTAL:	LEAD ENGR.		
-	-	-	N/A	FIELD MGR.	BBB n/b	
-	-	-	VERTICAL			
-	-	-	N/A			
-	-	-			HAS 01-26	
-	-	-	DRAWING: 4021 IOT2 INTERSECTION DETAILS (E&W).DWG			DATE 01.30.26
-	-	-	ATLAS PAGE NO: 3, 14			SHEET 83 OF 102

PLOT DATE: December 12, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021 IOT2\PRODUCTION DRAWINGS\4021 IOT2 INTERSECTION DETAILS (E&W).DWG



LEGEND

- TYPE A EXPANSION JOINT
- TYPE CC DOWELED SAWED LONGITUDINAL JOINT (#4 SMOOTH BARS @ 30" C/C TYP.)
- TYPE D SAWED CONSTRUCTION JOINT
- [Pattern] CONCRETE VALLEY GUTTER (SEE DETAIL SHEETS)
- [Pattern] REINFORCED CONCRETE PANEL (NO.4 REINFORCING STEEL @ 12" C/C BOTH DIRECTIONS)

EXISTING HORIZONTAL UTILITY LOCATIONS AND DEPTHS ARE APPROXIMATE AND MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION



19TH ST. INTERSECTION DETAILS

PROJECT NO. 2036N4021Z

NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021

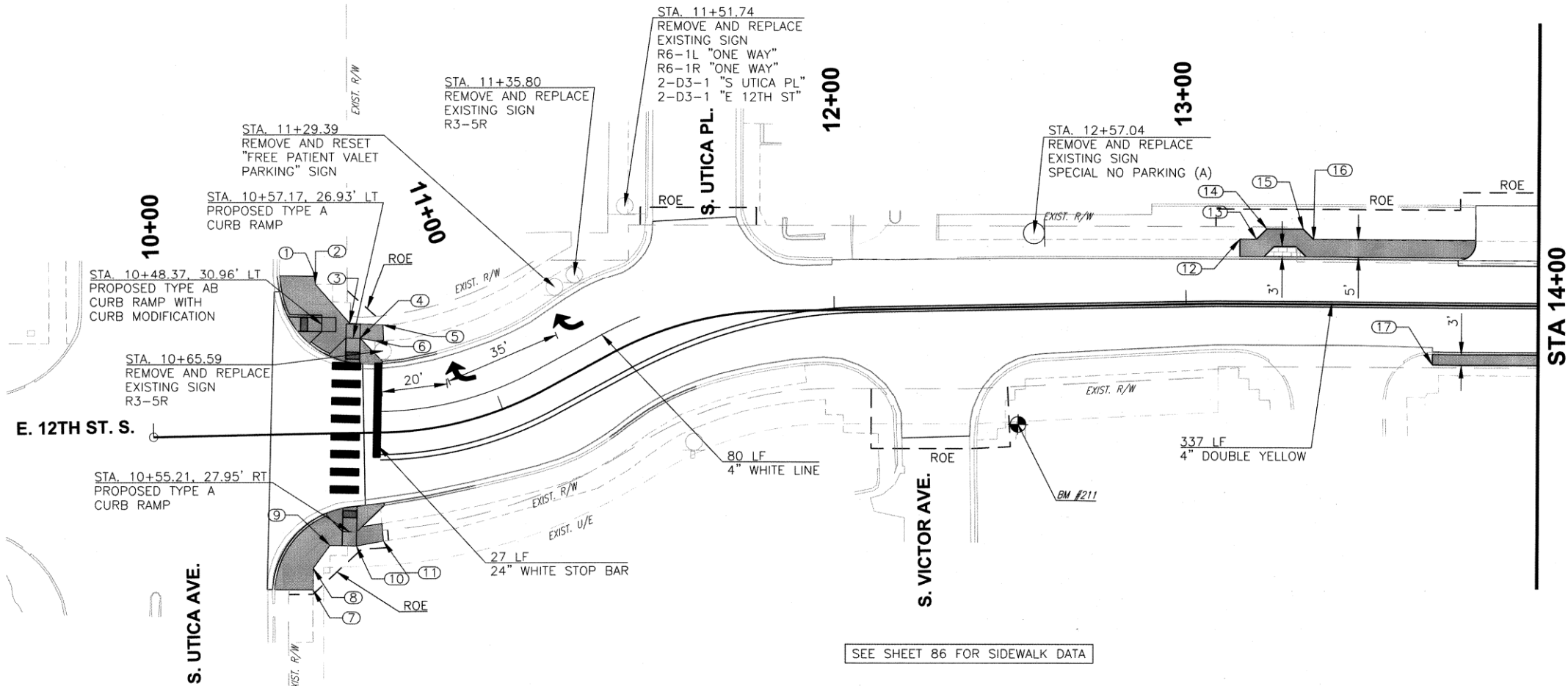
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

CEC Corporation
1300 S. Main Street Tulsa, OK 74137
(918) 663-9401

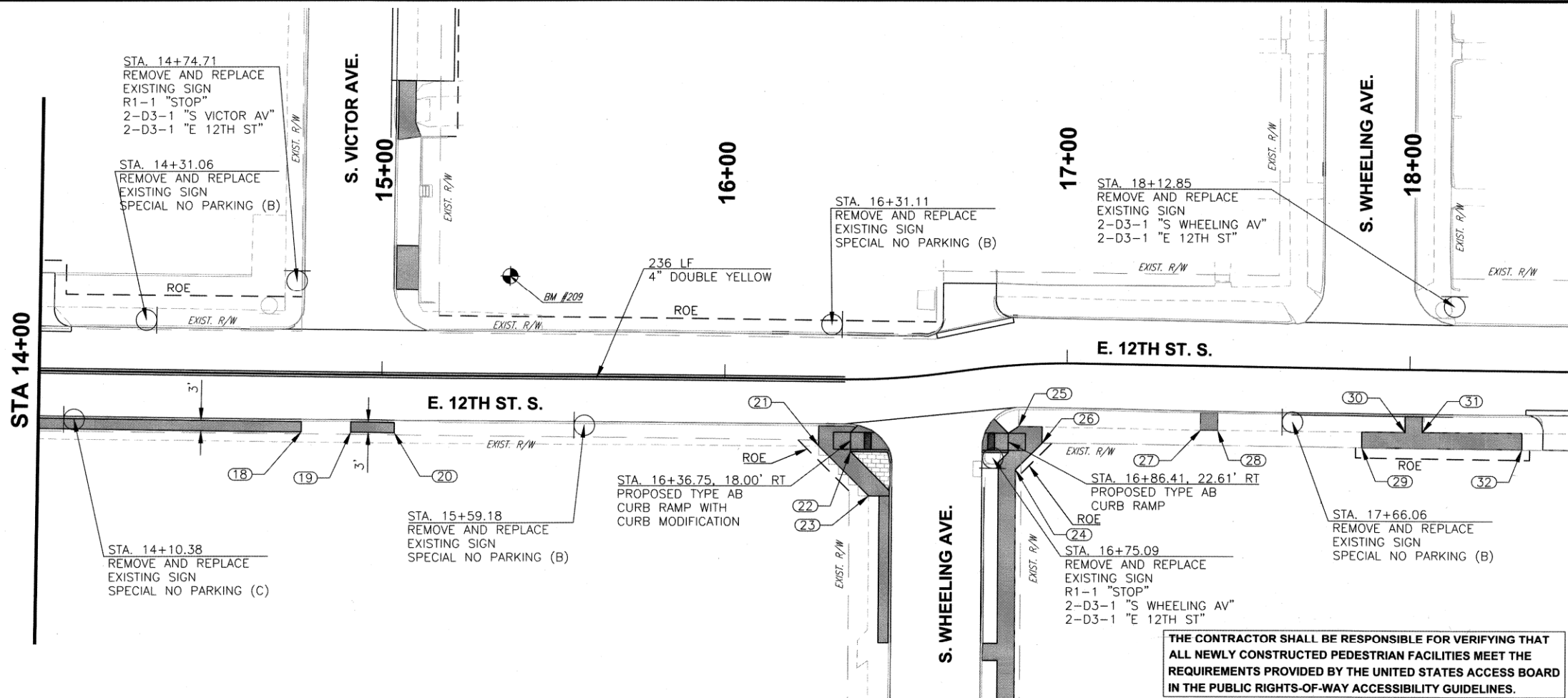
REVISION	BY	DATE

PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:
1" = 20'	DESIGNED	J.L.C.	7/2025	
	SURVEY	B.B.	11/2020	
PROFILE SCALES:	PROJ. MGR.	SHD	12/125	
HORIZONTAL:	LEAD ENGR.			
N/A	FIELD MGR.			
VERTICAL				
N/A				
DRAWING: 4021 IOT2 INTERSECTION DETAILS (E&W).DWG				DATE: 01.30.26
ATLAS PAGE NO: 3, 14				SHEET 84 OF 102

PLOT DATE: July 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL PROJECTS\TPWD - 4021 1072\PRODUCTION DRAWINGS\SIGNING STRIPING & SIDEWALK E&W.DWG

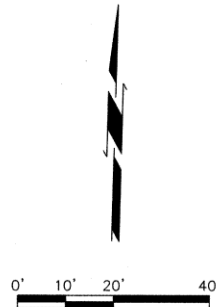


SEE SHEET 86 FOR SIDEWALK DATA



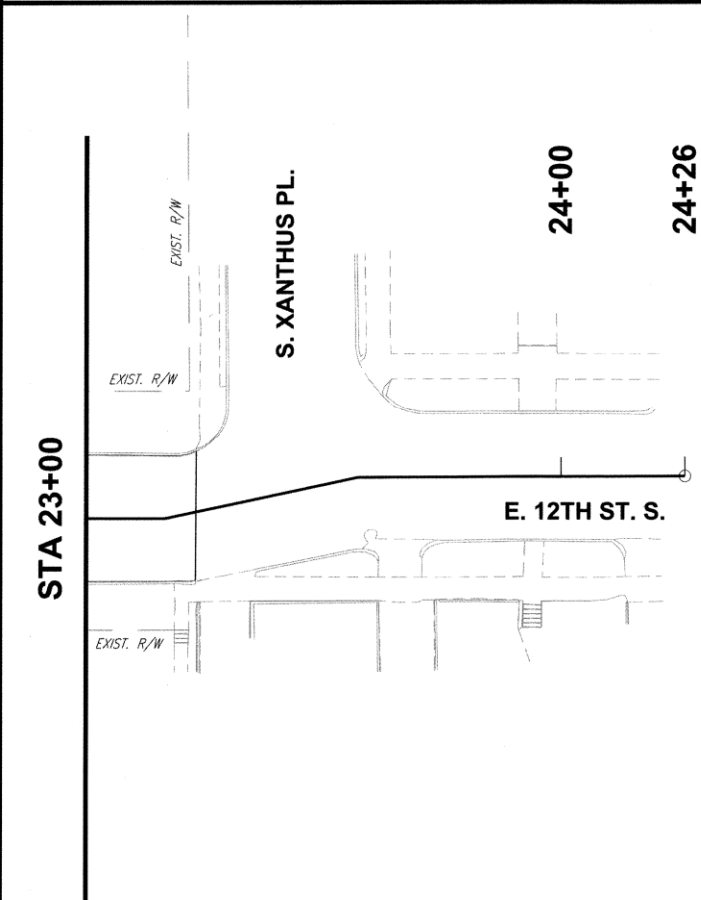
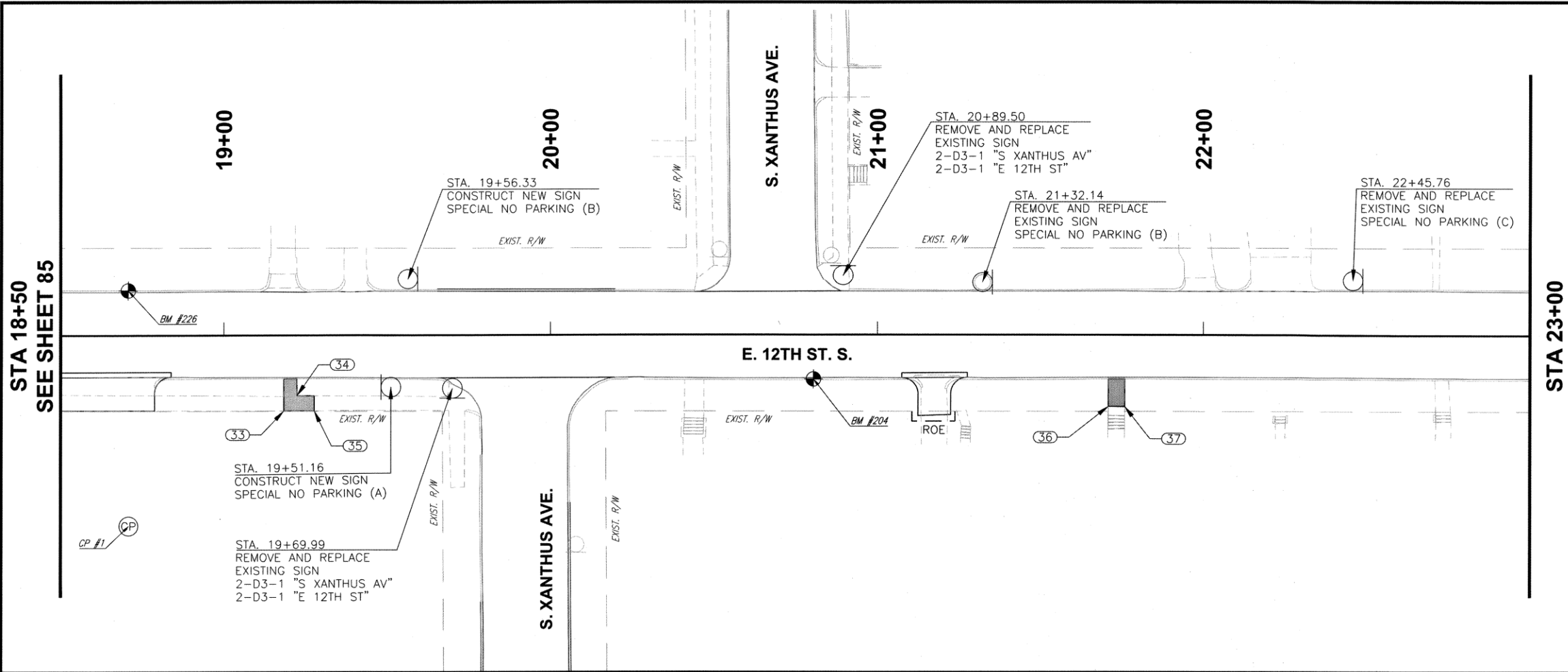
THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT ALL NEWLY CONSTRUCTED PEDESTRIAN FACILITIES MEET THE REQUIREMENTS PROVIDED BY THE UNITED STATES ACCESS BOARD IN THE PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES.

STA 18+50
SEE SHEET 86



12TH ST. SIGNING, STRIPING, AND SIDEWALK (1 OF 2)			
PROJECT NO. 2036N4021Z			
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT			
CEC Corporation 1300 S. Main Street Tulsa, OK 74137 (918) 663-9401			
REVISION	BY	DATE	APPROVED:
PLAN SCALE:	DRAWN	J.L.C. 7/2025	APPROVED:  DATE 07.30.26
1" = 20'	DESIGNED	J.L.C. 7/2025	
	SURVEY	B.B. 11/2020	
PROFILE SCALES:	PROJ. MGR.	SMW 10/25	DATE 07.30.26 SHEET 85 OF 102
HORIZONTAL:	LEAD ENGR.	MUS 11/25	
N/A	FIELD MGR.	Pan 12/25	
VERTICAL:			
N/A			
DRAWING: SIGNING STRIPING & SIDEWALK E&W.DWG			
ATLAS PAGE NO: 3, 14			

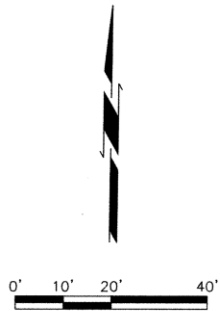
PLOT DATE: JULY 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021\072\PRODUCTION DRAWINGS\SIGNING STRIPING & SIDEWALK E&W.DWG



COORDINATE TABLE		
POINT NO.	NORTHING	EASTING
1	423456.14	2568709.03
2	423453.70	2568709.04
3	423442.73	2568719.03
4	423438.55	2568722.06
5	423442.46	2568728.47
6	423437.92	2568726.25
7	423366.92	2568709.97
8	423373.06	2568709.92
9	423379.63	2568714.54
10	423379.63	2568722.06
11	423381.19	2568729.68
12	423470.93	2568971.56
13	423470.99	2568976.26
14	423473.98	2568979.17
15	423474.13	2568989.50
16	423471.21	2568992.50
17	423436.06	2569026.80
18	423437.30	2569133.52
19	423437.56	2569147.96

COORDINATE TABLE		
POINT NO.	NORTHING	EASTING
20	423437.72	2569160.65
21	423437.08	2569284.51
22	423435.67	2569293.82
23	423422.95	2569299.40
24	423431.75	2569341.96
25	423444.38	2569342.57
26	423439.58	2569349.47
27	423444.74	2569395.62
28	423444.86	2569400.62
29	423441.00	2569442.74
30	423445.87	2569455.28
31	423445.97	2569460.28
32	423441.76	2569489.48
33	423442.97	2569574.89
34	423447.68	2569578.81
35	423443.14	2569584.16
36	423447.89	2569827.38
37	423447.90	2569832.36

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT ALL NEWLY CONSTRUCTED PEDESTRIAN FACILITIES MEET THE REQUIREMENTS PROVIDED BY THE UNITED STATES ACCESS BOARD IN THE PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES.



REVISION			BY	DATE
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

PLAN SCALE:	DRAWN	J.L.C.	7/2025
1" = 20'	DESIGNED	J.L.C.	7/2025
	SURVEY	B.B.	11/2020
PROFILE SCALES:	PROJ. MGR.	SWW	10/25
	LEAD ENGR.	MM	4/25
HORIZONTAL:	FIELD MGR.	DM	2/25
N/A			
VERTICAL:			
N/A			
DRAWING: SIGNING STRIPING & SIDEWALK E&W.DWG	DATE	01.30.26	
ATLAS PAGE NO: 3, 14	SHEET	86 OF 102	



12TH ST. SIGNING, STRIPING, AND SIDEWALK
(2 OF 2)

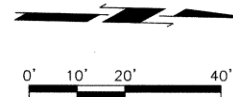
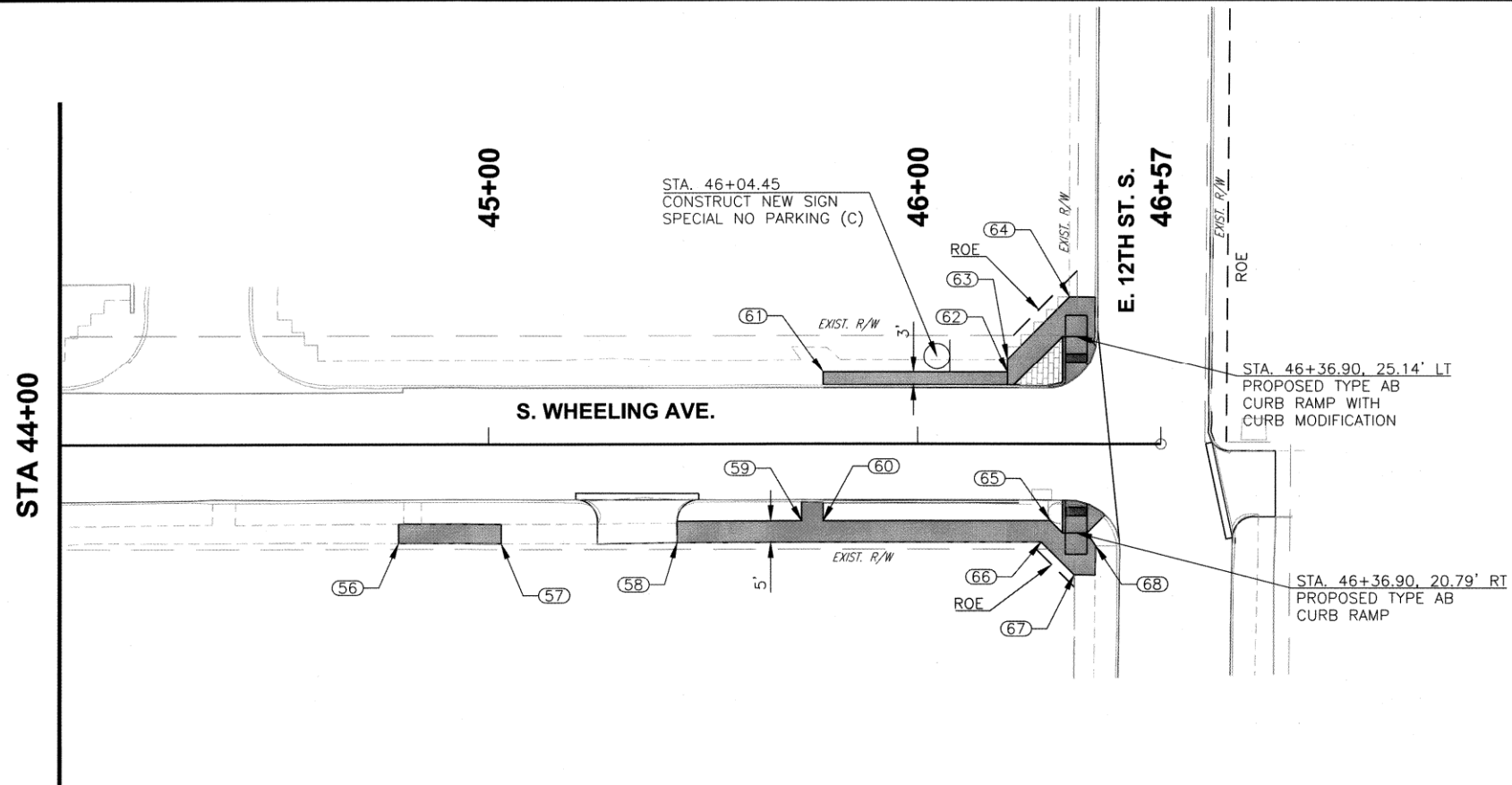
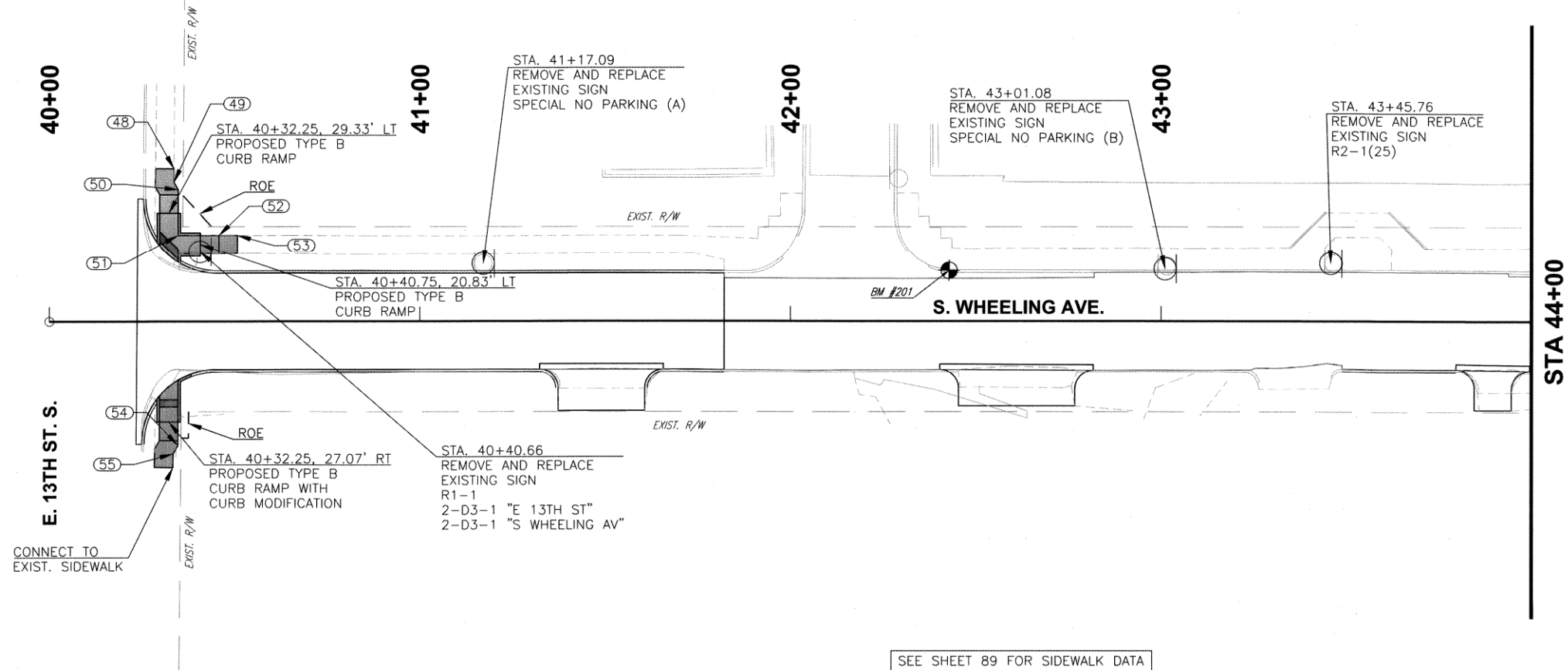
PROJECT NO. 2036N4021Z

NON-ARTERIAL STREET REHABILITATION IN
MAINTENANCE ZONE 4021

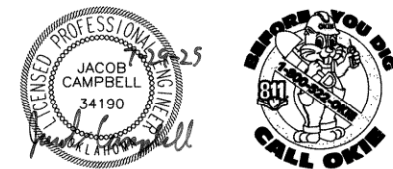
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

CEC Corporation
1300 S. Main Street Tulsa, OK 74137
(918) 663-9401

PLOT DATE: JULY 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL PROJECTS\TPWD - 4021\072\PRODUCTION DRAWINGS\SIGNING STRIPING & SIDEWALK N&S.DWG



THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT ALL NEWLY CONSTRUCTED PEDESTRIAN FACILITIES MEET THE REQUIREMENTS PROVIDED BY THE UNITED STATES ACCESS BOARD IN THE PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES.



WHEELING AVE. SIGNING, STRIPING, AND SIDEWALK (1 OF 2)			
PROJECT NO. 2036N4021Z			
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT			
CEC Corporation 1300 S. Main Street Tulsa, OK 74137 (918) 663-9401			
REVISION	BY	DATE	APPROVED:
1	J.L.C.	7/2025	
2	J.L.C.	7/2025	
3	B.B.	11/2020	
4	B.B.	11/2020	
PLAN SCALE:		1" = 20'	DRAWING: SIGNING STRIPING & SIDEWALK N&S.DWG ATLAS PAGE NO: 3, 14
DESIGNED		J.L.C. 7/2025	
SURVEY		B.B. 11/2020	
PROFILE SCALES:		PROJ. MGR. MVS 11/25	
HORIZONTAL:		LEAD ENGR. MVS 11/25	DATE: 01.30.26 SHEET 88 OF 102
N/A		FIELD MGR. MVS 12/15	
VERTICAL:		N/A	
N/A		N/A	



COORDINATE TABLE		
POINT NO.	NORTHING	EASTING
62	423423.02	2569302.43
63	423422.95	2569299.40
64	423437.08	2569284.51
65	423433.71	2569336.92
66	423431.75	2569341.96
67	423439.58	2569349.47
68	423444.38	2569342.57
69	423764.49	2569413.87
70	423770.29	2569413.59
71	423775.60	2569460.50
72	423780.61	2569460.53
73	423785.60	2569460.36
74	424001.22	2569456.27
75	424006.32	2569456.26



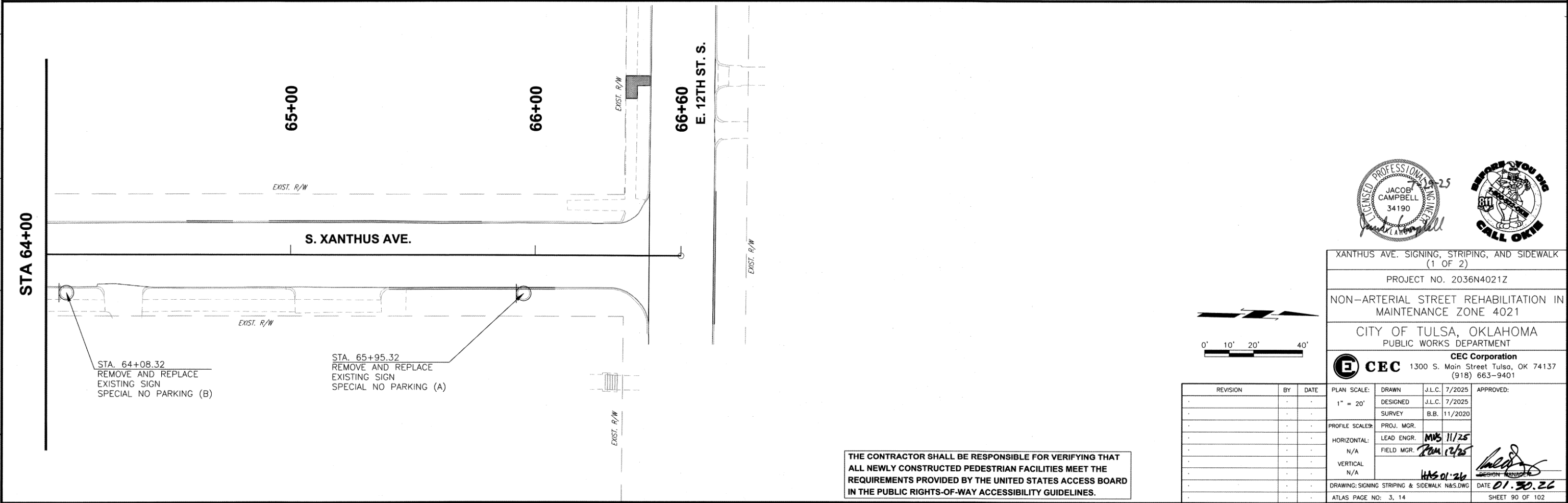
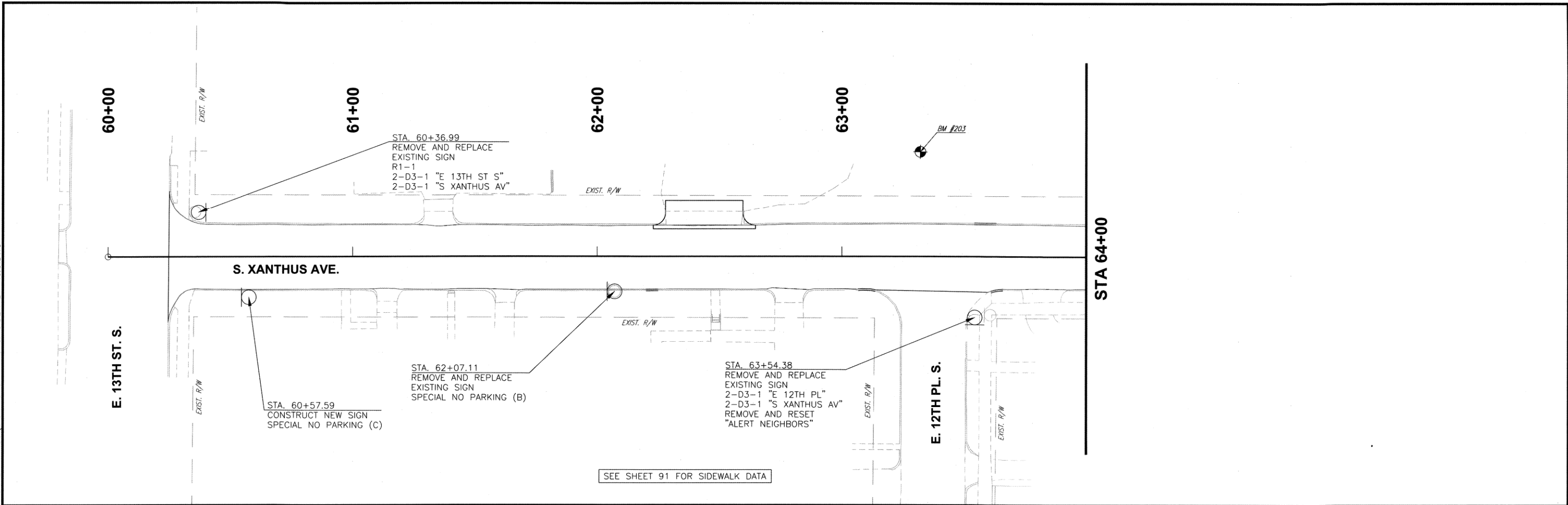
REVISION			BY	DATE	PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:
-	-	-	-	-	1" = 20'	DESIGNED	J.L.C.	7/2025	
-	-	-	-	-		SURVEY	B.B.	11/2020	
-	-	-	-	-	PROFILE SCALES:	PROJ. MGR.			
-	-	-	-	-	HORIZONTAL:	LEAD ENGR.	MRS	11/25	
-	-	-	-	-	N/A	FIELD MGR.	Don	12/25	
-	-	-	-	-	VERTICAL				
-	-	-	-	-	N/A				
-	-	-	-	-					
-	-	-	-	-					
					DRAWING: SIGNING STRIPING & SIDEWALK N&S.DWG	DATE			01.30.26
					ATLAS PAGE NO: 3, 14	SHEET			89 OF 102

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT ALL NEWLY CONSTRUCTED PEDESTRIAN FACILITIES MEET THE REQUIREMENTS PROVIDED BY THE UNITED STATES ACCESS BOARD IN THE PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES.



WHEELING AVE. SIGNING, STRIPING, AND SIDEWALK (2 OF 2)
PROJECT NO. 2036N4021Z
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT
 CEC
CEC Corporation 1300 S. Main Street Tulsa, OK 74137 (918) 663-9401

PLOT DATE: July 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021 IOT2\PRODUCTION DRAWINGS\SIGNING STRIPING & SIDEWALK N&S.DWG



XANTHUS AVE. SIGNING, STRIPING, AND SIDEWALK
(1 OF 2)

PROJECT NO. 2036N4021Z

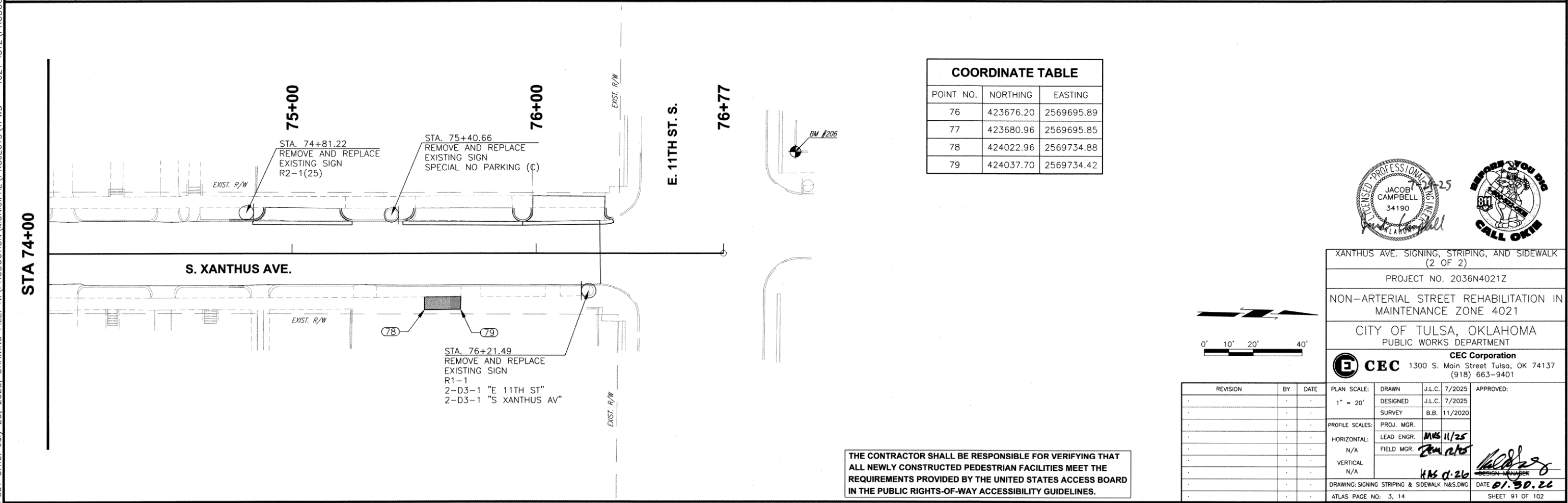
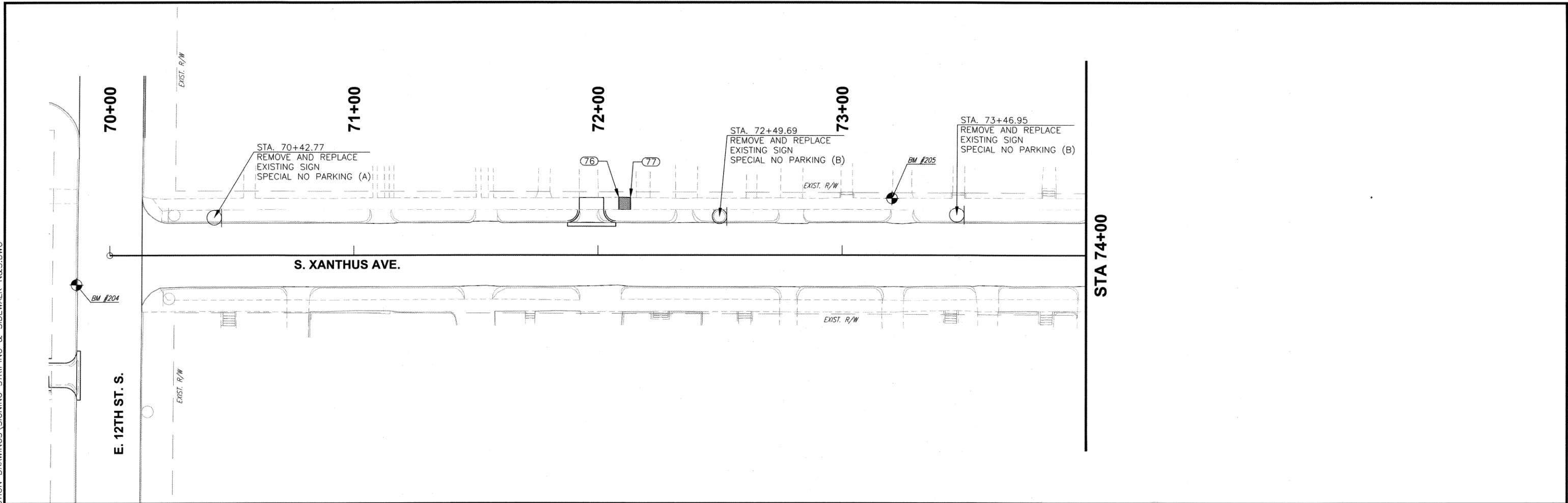
NON-ARTERIAL STREET REHABILITATION IN
MAINTENANCE ZONE 4021

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

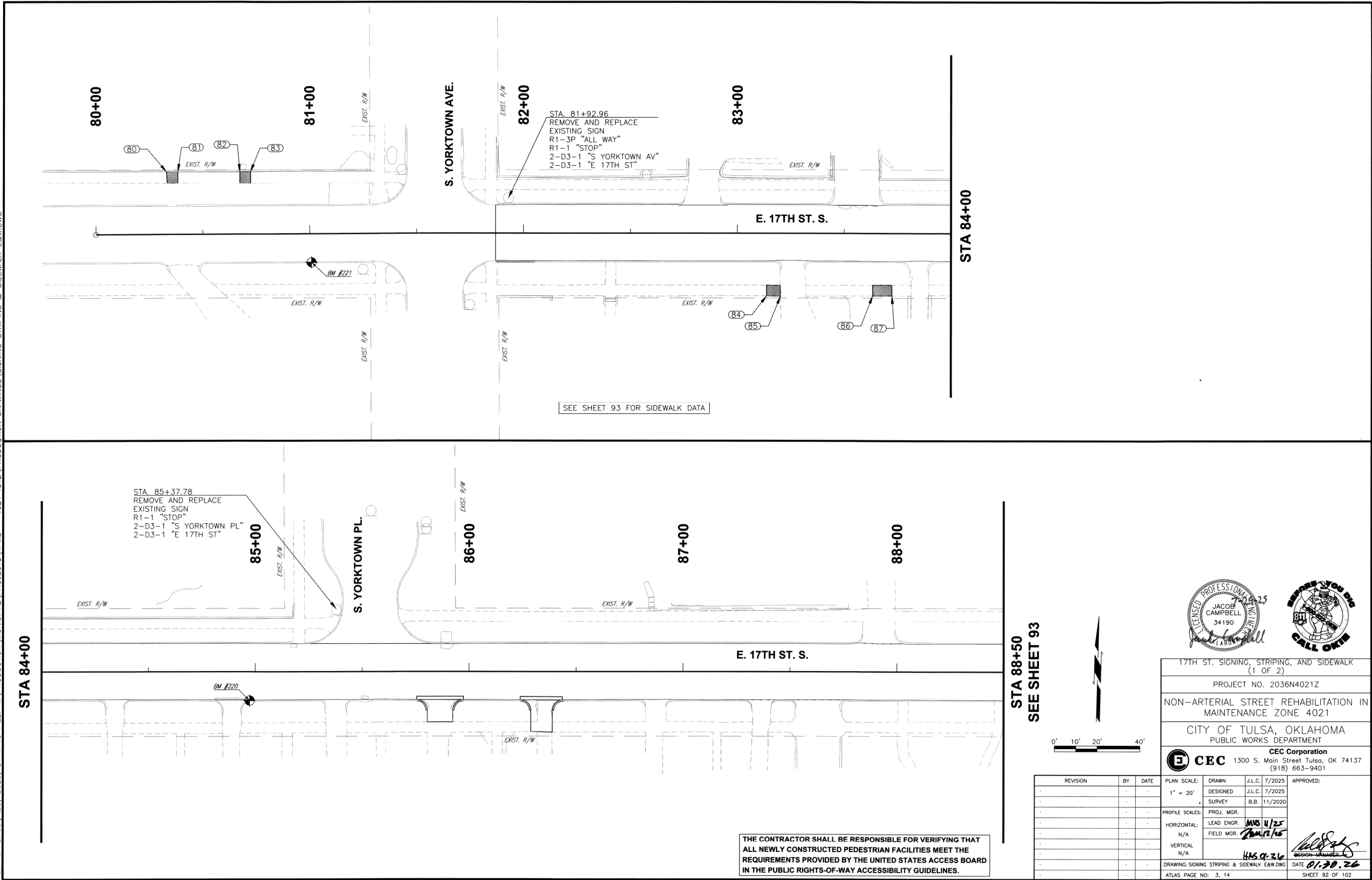
CEC Corporation
1300 S. Main Street Tulsa, OK 74137
(918) 663-9401

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT
ALL NEWLY CONSTRUCTED PEDESTRIAN FACILITIES MEET THE
REQUIREMENTS PROVIDED BY THE UNITED STATES ACCESS BOARD
IN THE PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES.

PLOT DATE: JULY 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021 IOT2\PRODUCTION DRAWINGS\SIGNING STRIPING & SIDEWALK N&S.DWG

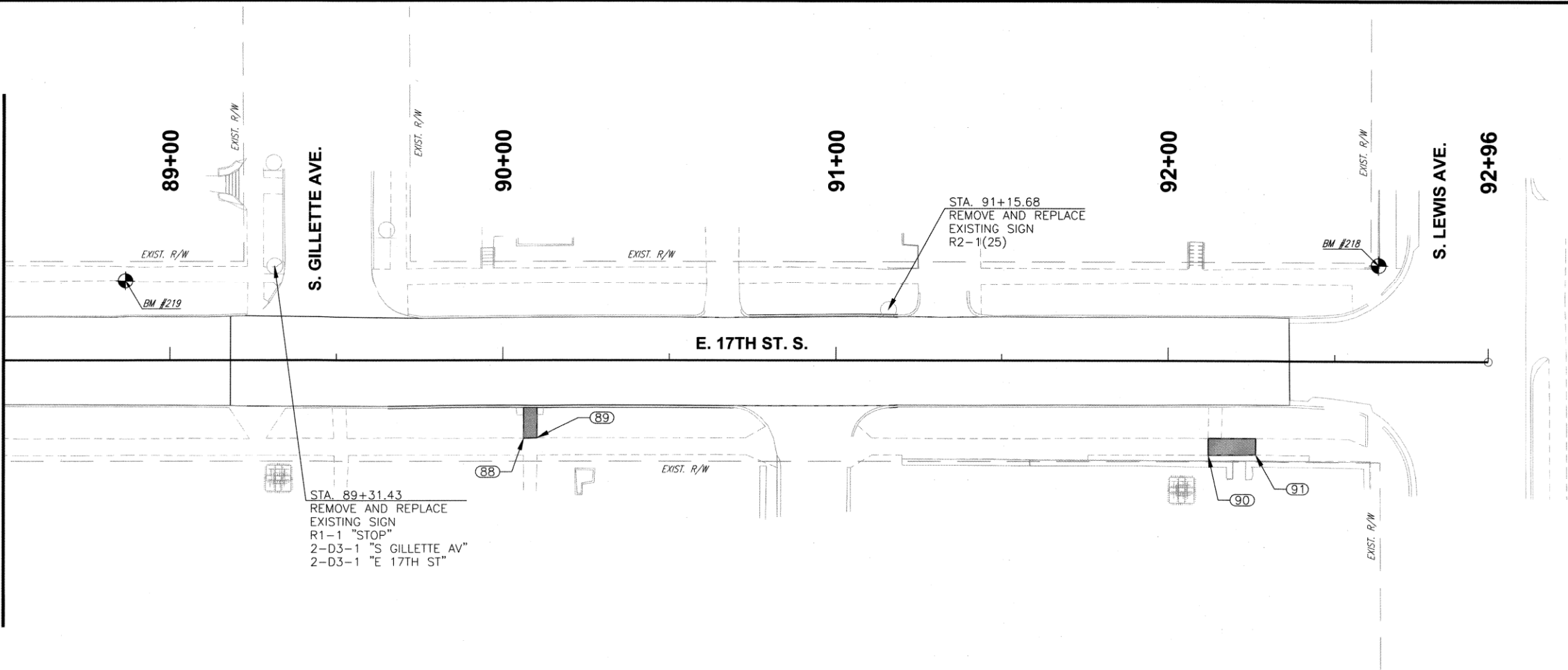


PLOT DATE: JULY 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021\012\PRODUCTION DRAWINGS\SIGNING STRIPING & SIDEWALK E&W.DWG



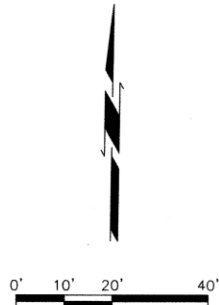
PLOT DATE: July 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021\072\PRODUCTION DRAWINGS\SIGNING STRIPING & SIDEWALK E&W.DWG

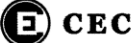
STA 88+50
SEE SHEET 92



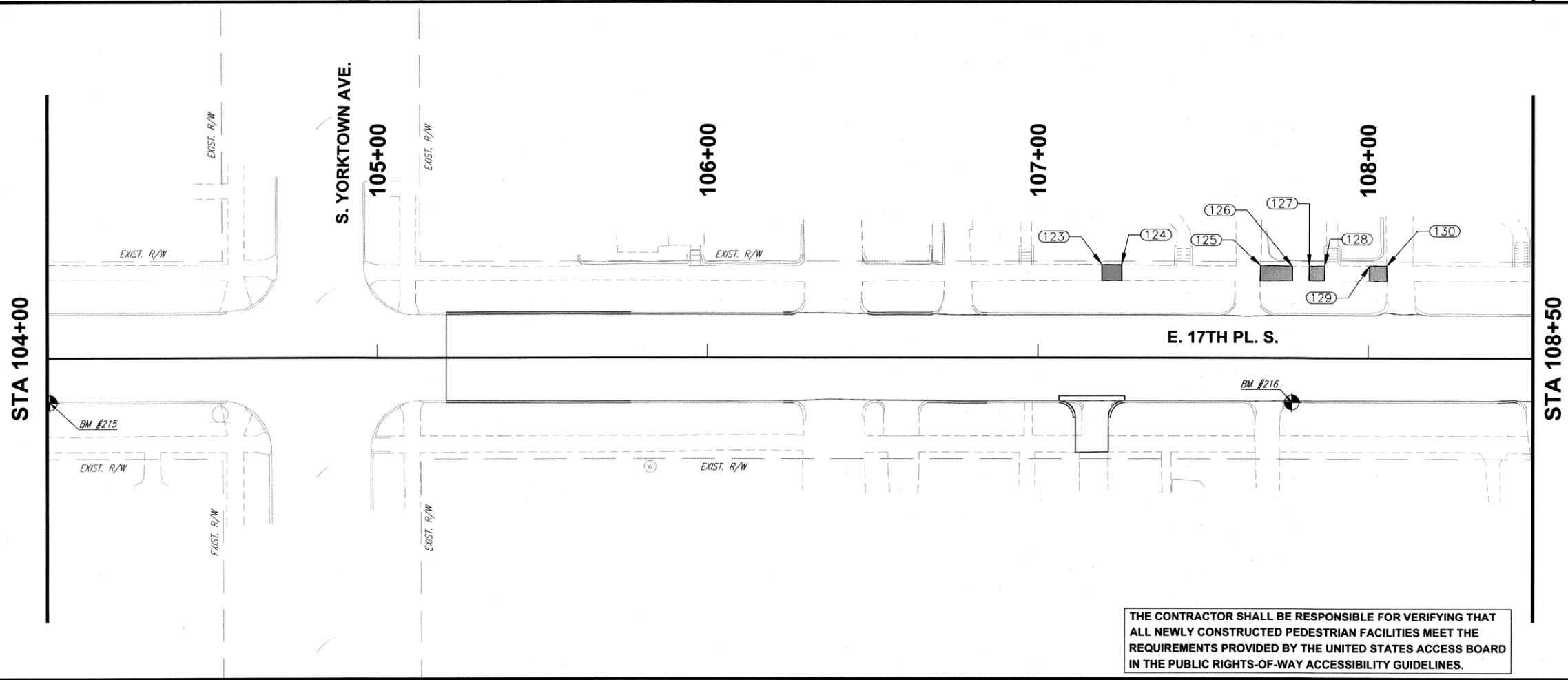
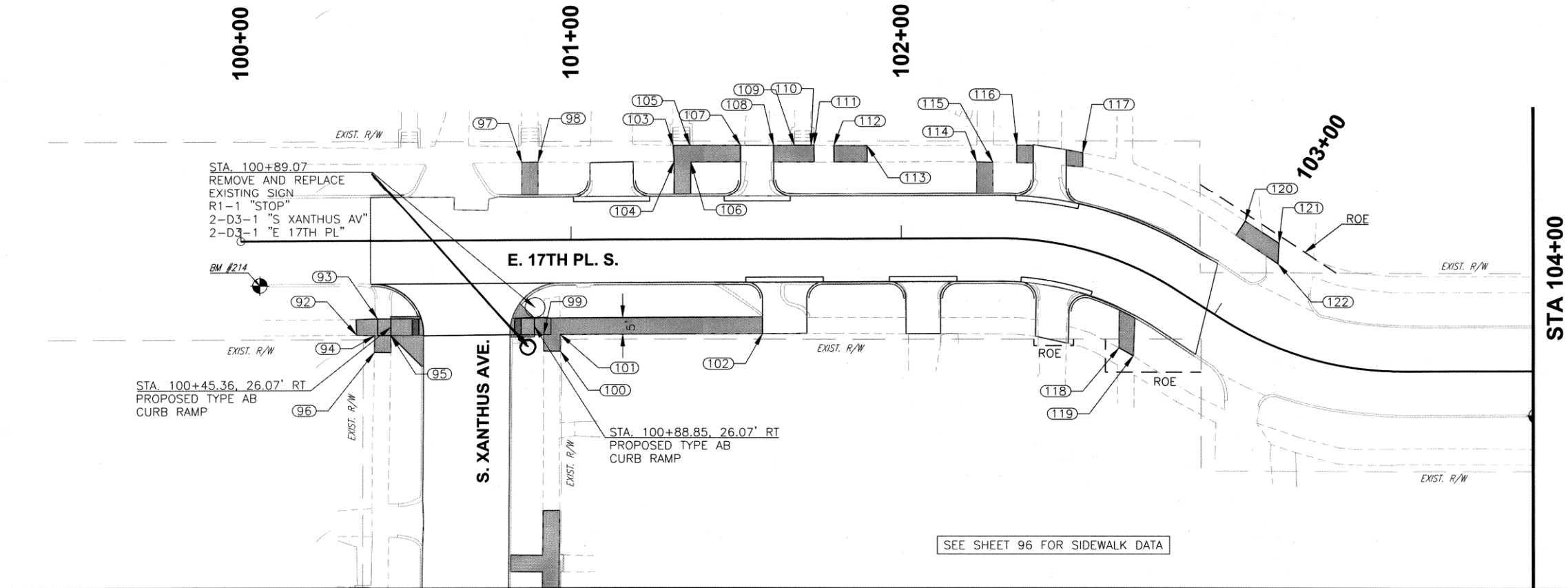
COORDINATE TABLE		
POINT NO.	NORTHING	EASTING
80	420598.56	2570094.13
81	420598.61	2570099.44
82	420599.00	2570128.49
83	420599.12	2570133.45
84	420544.59	2570375.73
85	420544.52	2570382.24
86	420545.35	2570425.33
87	420545.51	2570434.33
88	420560.58	2571068.13
89	420560.76	2571072.09
90	420558.63	2571273.95
91	420558.98	2571288.16

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT ALL NEWLY CONSTRUCTED PEDESTRIAN FACILITIES MEET THE REQUIREMENTS PROVIDED BY THE UNITED STATES ACCESS BOARD IN THE PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES.

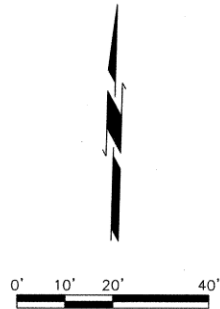


17TH ST. SIGNING, STRIPING, AND SIDEWALK (2 OF 2)			
PROJECT NO. 2036N4021Z			
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT			
 CEC Corporation 1300 S. Main Street Tulsa, OK 74137 (918) 663-9401			
PLAN SCALE:	DRAWN	J.L.C.	7/2025
1" = 20'	DESIGNED	J.L.C.	7/2025
	SURVEY	B.B.	11/2020
PROFILE SCALES:	PROJ. MGR.		
HORIZONTAL:	LEAD ENGR.	MUS	4/25
N/A	FIELD MGR.	THU 12/5	
VERTICAL			
N/A			
DRAWING: SIGNING STRIPING & SIDEWALK E&W.DWG	DATE	01.30.26	
ATLAS PAGE NO: 3, 14	SHEET 93 OF 102		

PLOT DATE: July 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021\1072\PRODUCTION DRAWINGS\SIGNING STRIPING & SIDEWALK E&W.DWG



THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT ALL NEWLY CONSTRUCTED PEDESTRIAN FACILITIES MEET THE REQUIREMENTS PROVIDED BY THE UNITED STATES ACCESS BOARD IN THE PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES.



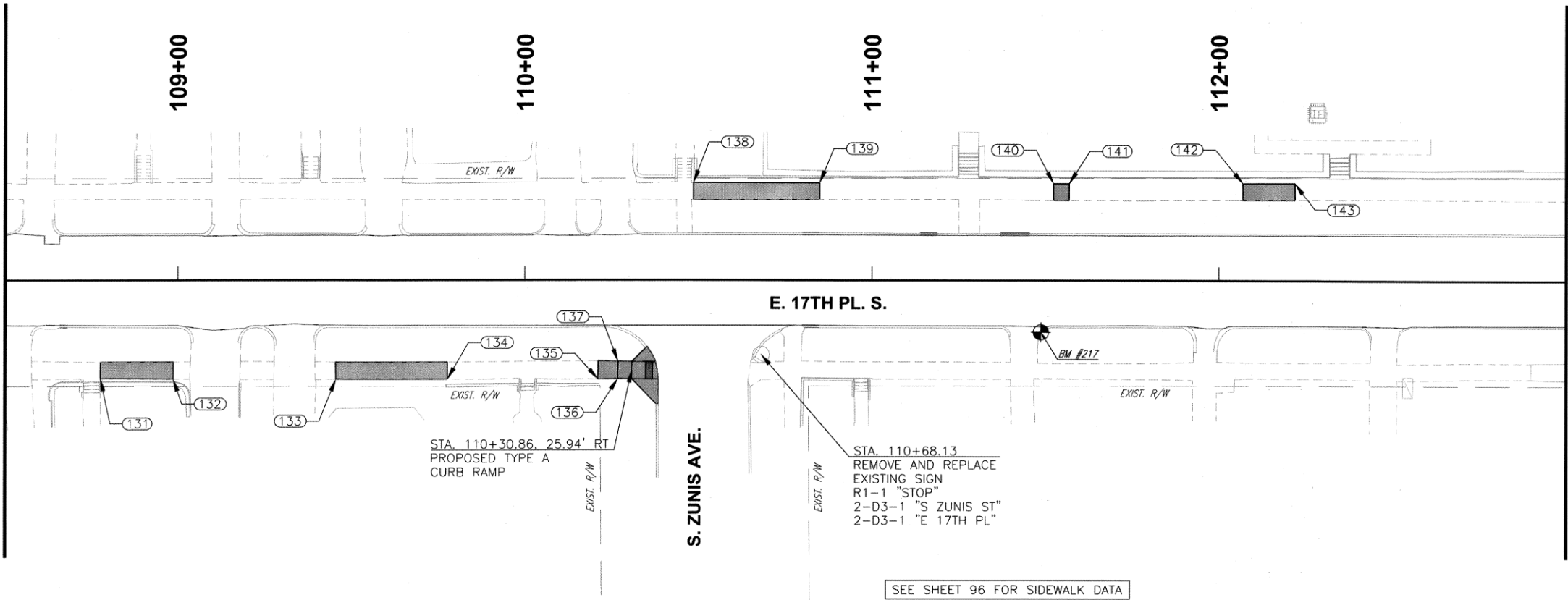
REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:
-	-	-	1" = 20'	DESIGNED	J.L.C.	7/2025	
-	-	-		SURVEY	B.B.	11/2020	
-	-	-	PROFILE SCALES:	PROJ. MGR.			
-	-	-	HORIZONTAL:	LEAD ENGR.	MRS 11/25		
-	-	-	VERTICAL:	FIELD MGR.	11/25		
-	-	-			HAS 01.26		
-	-	-	DRAWING: SIGNING STRIPING & SIDEWALK E&W.DWG				DATE 01.30.26
-	-	-	ATLAS PAGE NO: 3, 14				SHEET 94 OF 102



17TH PL. SIGNING, STRIPING, AND SIDEWALK
(1 OF 2)
PROJECT NO. 2036N4021Z
NON-ARTERIAL STREET REHABILITATION IN
MAINTENANCE ZONE 4021
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT
CEC Corporation
1300 S. Main Street Tulsa, OK 74137
(918) 663-9401

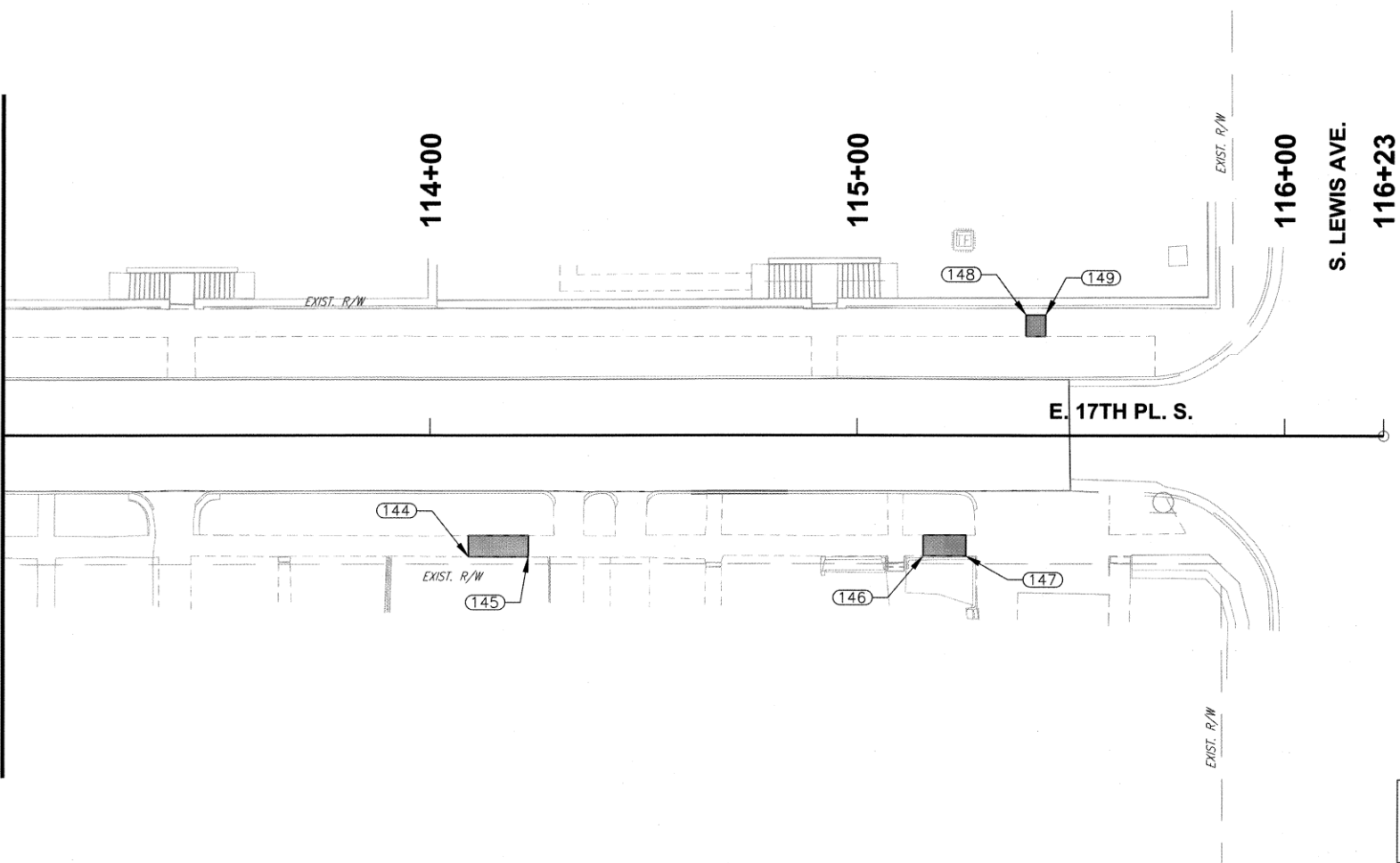
PLOT DATE: July 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021\012\PRODUCTION DRAWINGS\SIGNING STRIPING & SIDEWALK E&W.DWG

STA 108+50
SEE SHEET 94



STA 113+00

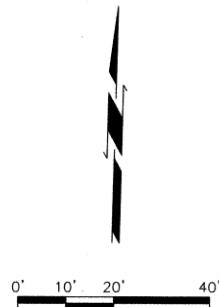
STA 113+00



S. LEWIS AVE.

116+23

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT ALL NEWLY CONSTRUCTED PEDESTRIAN FACILITIES MEET THE REQUIREMENTS PROVIDED BY THE UNITED STATES ACCESS BOARD IN THE PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES.



17TH PL. SIGNING, STRIPING, AND SIDEWALK (2 OF 2)			
PROJECT NO. 2036N4021Z			
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT			
 CEC Corporation 1300 S. Main Street Tulsa, OK 74137 (918) 663-9401			
PLAN SCALE:	DRAWN	J.L.C. 7/2025	APPROVED:
1" = 20'	DESIGNED	J.L.C. 7/2025	
	SURVEY	B.B. 11/2020	
PROFILE SCALES:	PROJ. MGR.		
HORIZONTAL:	LEAD ENGR.	MVS 11/25	 DESIGN MANAGER
N/A	FIELD MGR.	Samuel	
VERTICAL:			
N/A		Has a 26	
DRAWING: SIGNING STRIPING & SIDEWALK E&W.DWG			DATE 07.30.26
ATLAS PAGE NO: 3, 14			SHEET 95 OF 102

PLOT DATE: July 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021\072\PRODUCTION DRAWINGS\SIGNING STRIPING & SIDEWALK E&W.DWG

COORDINATE TABLE		
POINT NO.	NORTHING	EASTING
92	420184.18	2569788.42
93	420189.18	2569794.66
94	420184.13	2569793.89
95	420184.25	2569798.75
96	420179.12	2569793.89
97	420237.23	2569837.58
98	420237.43	2569842.46
99	420185.10	2569845.02
100	420180.19	2569850.17
101	420185.20	2569850.08
102	420186.32	2569911.31
103	420242.95	2569883.35
104	420238.07	2569883.73
105	420243.08	2569888.36
106	420238.08	2569888.73
107	420243.31	2569903.76
108	420243.45	2569913.75
109	420243.60	2569920.03
110	420243.65	2569925.13
111	420243.79	2569925.97

COORDINATE TABLE		
POINT NO.	NORTHING	EASTING
112	420243.69	2569931.97
113	420243.82	2569941.97
114	420239.37	2569975.27
115	420239.35	2569980.18
116	420244.60	2569987.33
117	420242.59	2570007.36
118	420183.70	2570019.29
119	420181.35	2570023.65
120	420222.50	2570056.91
121	420215.99	2570067.24
122	420209.78	2570067.01
123	420211.85	2570463.78
124	420211.88	2570469.78
125	420212.36	2570511.87
126	420212.24	2570521.47
127	420212.34	2570526.57
128	420212.51	2570531.29
129	420212.78	2570544.89
130	420212.80	2570550.03
131	420157.51	2570622.89

COORDINATE TABLE		
POINT NO.	NORTHING	EASTING
132	420157.60	2570643.89
133	420158.22	2570690.85
134	420158.67	2570722.91
135	420159.29	2570766.32
136	420159.47	2570772.07
137	420164.47	2570772.05
138	420216.46	2570793.00
139	420216.89	2570829.35
140	420217.66	2570896.70
141	420217.71	2570901.20
142	420218.50	2570951.30
143	420218.76	2570966.30
144	420164.66	2571154.24
145	420164.78	2571168.24
146	420166.28	2571260.69
147	420166.42	2571270.69
148	420223.23	2571283.82
149	420223.29	2571288.42

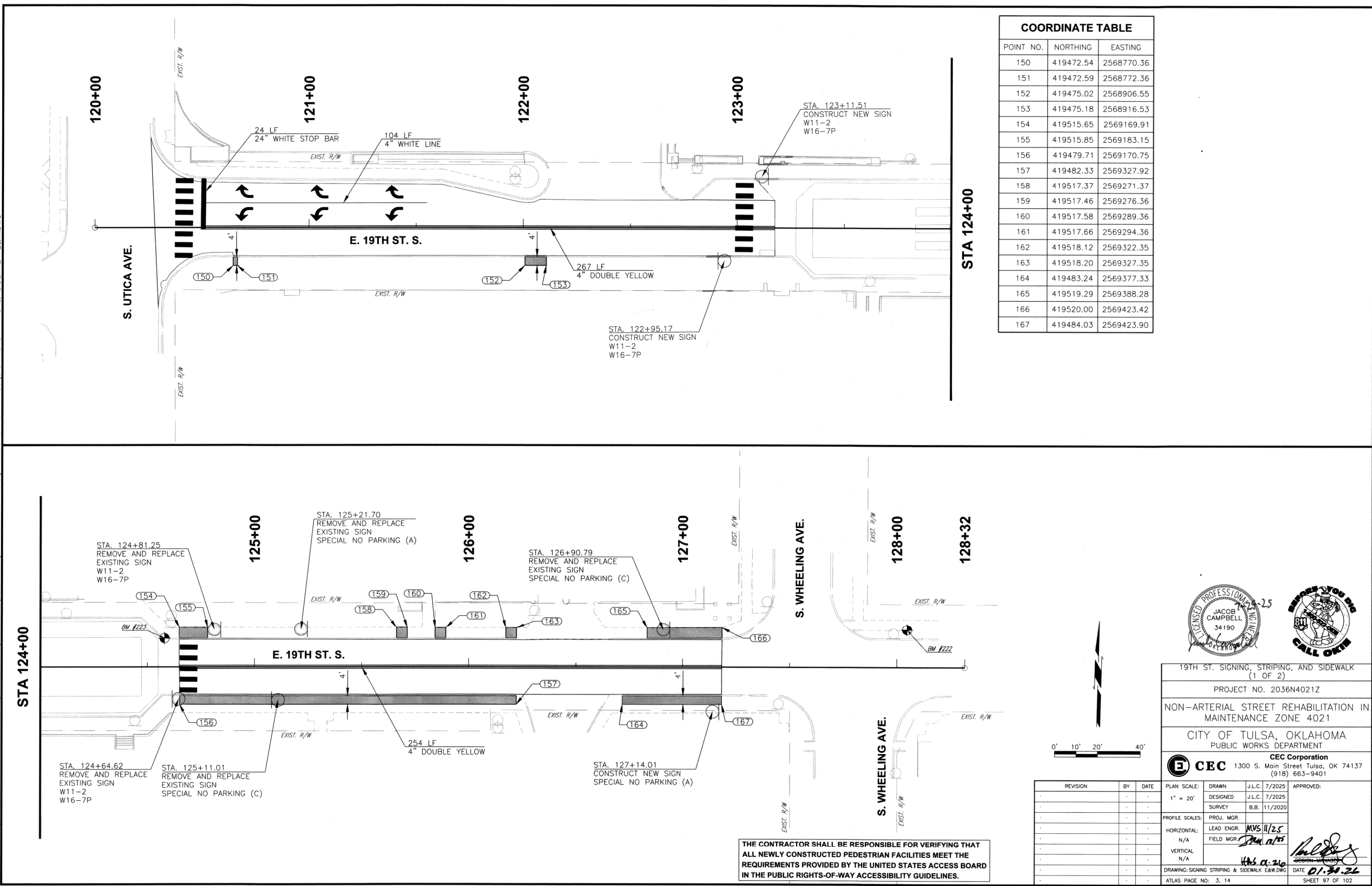
THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT ALL NEWLY CONSTRUCTED PEDESTRIAN FACILITIES MEET THE REQUIREMENTS PROVIDED BY THE UNITED STATES ACCESS BOARD IN THE PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES.



17TH PL. SIDEWALK DATA	
PROJECT NO. 2036N4021Z	
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021	
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT	
CEC CEC Corporation 1300 S. Main Street Tulsa, OK 74137 (918) 663-9401	

REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:
-	-	-	N/A	DESIGNED	J.L.C.	7/2025	DESIGN MANAGER DATE 07.30.25
-	-	-		SURVEY	B.B.	11/2020	
-	-	-	PROFILE SCALES:	PROJ. MGR.			
-	-	-	HORIZONTAL:	LEAD ENGR.			
-	-	-	N/A	FIELD MGR.			
-	-	-	VERTICAL:				
-	-	-	N/A				
-	-	-	DRAWING: SIGNING STRIPING & SIDEWALK E&W.DWG				
-	-	-	ATLAS PAGE NO: 3, 14				SHEET 96 OF 102

PLOT DATE: July 23, 2025. DRAWING FILE: N:\PRODUCTION\MUNICIPAL PROJECTS\TPWD - 4021\072\PRODUCTION DRAWINGS\SIGNING STRIPING & SIDEWALK E&W.DWG



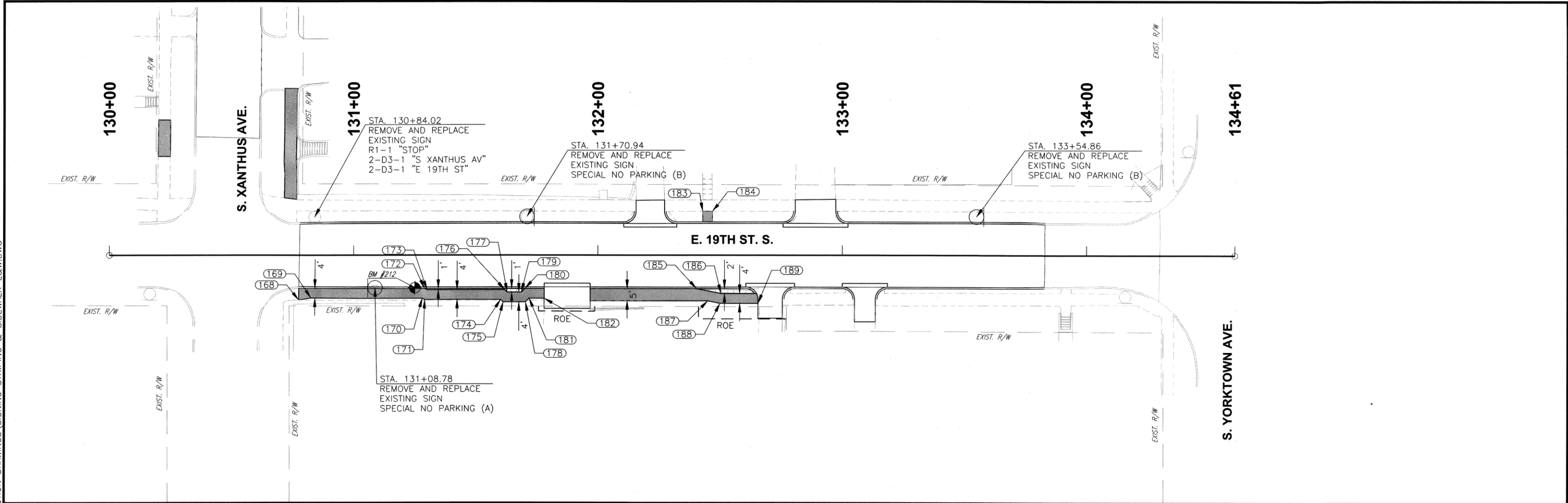
COORDINATE TABLE		
POINT NO.	NORTHING	EASTING
150	419472.54	2568770.36
151	419472.59	2568772.36
152	419475.02	2568906.55
153	419475.18	2568916.53
154	419515.65	2569169.91
155	419515.85	2569183.15
156	419479.71	2569170.75
157	419482.33	2569327.92
158	419517.37	2569271.37
159	419517.46	2569276.36
160	419517.58	2569289.36
161	419517.66	2569294.36
162	419518.12	2569322.35
163	419518.20	2569327.35
164	419483.24	2569377.33
165	419519.29	2569388.28
166	419520.00	2569423.42
167	419484.03	2569423.90



19TH ST. SIGNING, STRIPING, AND SIDEWALK (1 OF 2)			
PROJECT NO. 2036N4021Z			
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT			
CEC Corporation 1300 S. Main Street Tulsa, OK 74137 (918) 663-9401			
PLAN SCALE:	DRAWN	J.L.C.	7/2025
1" = 20'	DESIGNED	J.L.C.	7/2025
	SURVEY	B.B.	11/2020
PROFILE SCALES:	PROJ. MGR.		
HORIZONTAL:	LEAD ENGR.	MVS II/25	
N/A	FIELD MGR.	DM II/25	
VERTICAL:			
N/A			
DRAWING: SIGNING STRIPING & SIDEWALK E&W.DWG			DATE: 01-30-26
ATLAS PAGE NO: 3, 14			SHEET 97 OF 102

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT ALL NEWLY CONSTRUCTED PEDESTRIAN FACILITIES MEET THE REQUIREMENTS PROVIDED BY THE UNITED STATES ACCESS BOARD IN THE PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES.

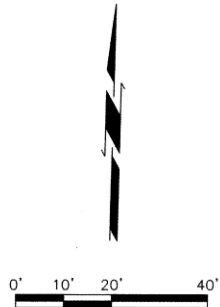
PLOT DATE: JULY 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL PROJECTS\TPWD - 4021 1072\PRODUCTION DRAWINGS\SIGNING STRIPING & SIDEWALK E&W.DWG



COORDINATE TABLE		
POINT NO.	NORTHING	EASTING
168	419490.34	2569858.29
169	419491.21	2569863.28
170	419491.85	2569908.81
171	419491.37	2569909.82
172	419495.87	2569909.68
173	419495.38	2569910.69
174	419491.90	2569940.96
175	419490.92	2569941.98
176	419495.93	2569942.55
177	419494.95	2569943.57
178	419491.08	2569951.12

COORDINATE TABLE		
POINT NO.	NORTHING	EASTING
179	419495.05	2569949.39
180	419496.58	2569950.86
181	419492.61	2569952.59
182	419492.71	2569958.77
183	419529.52	2570022.90
184	419529.51	2570026.90
185	419497.78	2570020.96
186	419495.96	2570030.99
187	419492.86	2570025.64
188	419491.95	2570030.66
189	419492.22	2570046.22

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT ALL NEWLY CONSTRUCTED PEDESTRIAN FACILITIES MEET THE REQUIREMENTS PROVIDED BY THE UNITED STATES ACCESS BOARD IN THE PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES.



19TH ST. SIGNING, STRIPING, AND SIDEWALK
(2 OF 2)

PROJECT NO. 2036N4021Z

NON-ARTERIAL STREET REHABILITATION IN
MAINTENANCE ZONE 4021

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

CEC

CEC Corporation

1300 S. Main Street Tulsa, OK 74137
(918) 663-9401

REVISION

BY

DATE

PLAN SCALE:

1" = 20'

PROFILE SCALES:

HORIZONTAL: N/A

VERTICAL: N/A

DRAWN

DESIGNED

SURVEY

PROJ. MGR.

LEAD ENGR.

FIELD MGR.

J.L.C.

J.L.C.

B.B.

MUG 4/25

SPR 2/25

DRAWING: SIGNING STRIPING & SIDEWALK E&W.DWG

ATLAS PAGE NO: 3, 14

APPROVED:

DATE 01.30.26

SHEET 98 OF 102

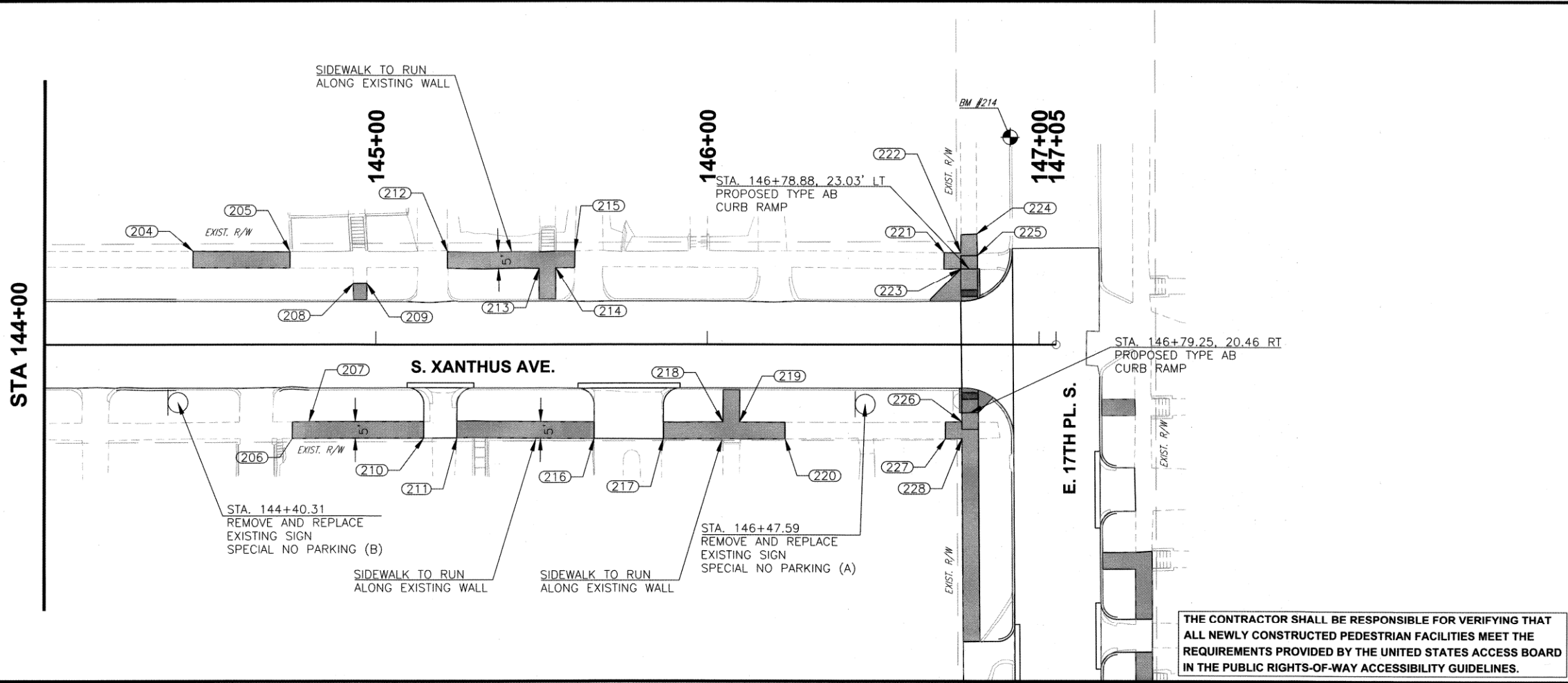
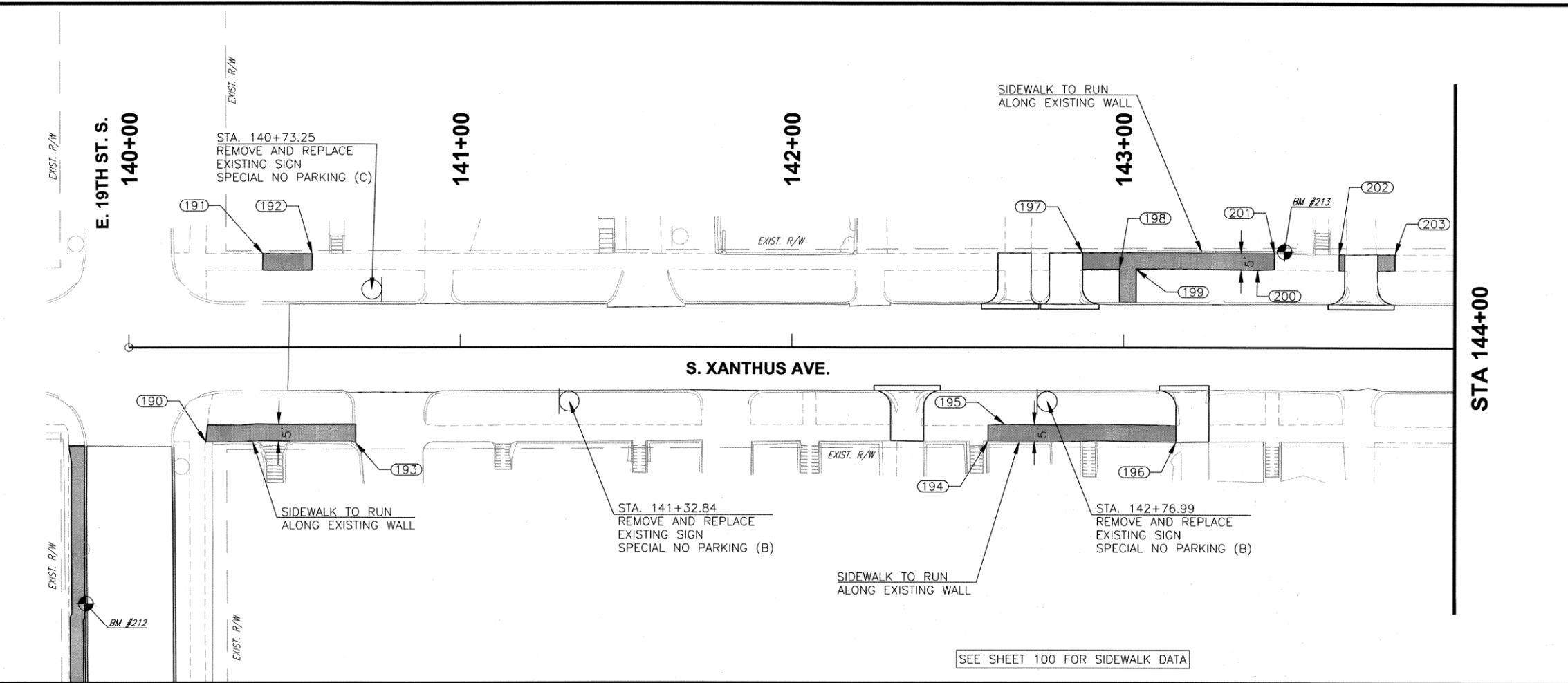
JACOB CAMPBELL
34190

25

801

CALL 911

PLOT DATE: JULY 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021\072\PRODUCTION DRAWINGS\SIGNING STRIPING & SIDEWALK N&S.DWG



XANTHUS AVE. SIGNING, STRIPING, AND SIDEWALK				
PROJECT NO. 2036N4021Z				
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021				
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT				
CEC Corporation 1300 S. Main Street Tulsa, OK 74137 (918) 663-9401				
PLAN SCALE:		DRAWN	J.L.C. 7/2025	APPROVED:
1" = 20'		DESIGNED	J.L.C. 7/2025	
		SURVEY	B.B. 11/2020	
PROFILE SCALES:		PROJ. MGR.		 REGIONAL MANAGER
HORIZONTAL:		LEAD ENGR.	MVS 11/25	
N/A		FIELD MGR.	Kmiles	
VERTICAL				
N/A				
DRAWING: SIGNING, STRIPING & SIDEWALK N&S.DWG				DATE 8.1.20.26
ATLAS PAGE NO: 3, 14				SHEET 99 OF 102

PLOT DATE: July 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021 IOT2\PRODUCTION DRAWINGS\SIGNING STRIPING & SIDEWALK N&S.DWG

COORDINATE TABLE		
POINT NO.	NORTHING	EASTING
190	419531.65	2569856.71
191	419548.20	2569799.66
192	419563.11	2569799.60
193	419576.90	2569856.56
194	419767.57	2569854.15
195	419772.56	2569849.14
196	419824.28	2569853.87
197	419795.42	2569796.92
198	419806.64	2569801.72
199	419811.64	2569801.63
200	419848.33	2569801.50
201	419853.35	2569796.52
202	419872.83	2569796.46
203	419889.68	2569796.30
204	419952.63	2569795.74
205	419981.88	2569795.62
206	419983.26	2569852.01
207	419988.23	2569846.95
208	420001.13	2569805.23
209	420005.19	2569805.12

COORDINATE TABLE		
POINT NO.	NORTHING	EASTING
210	420022.90	2569851.53
211	420032.90	2569851.38
212	420029.38	2569795.11
213	420057.07	2569799.93
214	420062.07	2569799.69
215	420067.78	2569794.62
216	420074.32	2569851.23
217	420095.22	2569851.06
218	420113.10	2569845.84
219	420118.10	2569845.84
220	420131.92	2569850.73
221	420179.12	2569793.89
222	420184.13	2569793.89
223	420184.25	2569798.75
224	420188.89	2569788.17
225	420189.18	2569794.66
226	420185.10	2569845.02
227	420180.19	2569850.17
228	420185.20	2569850.08

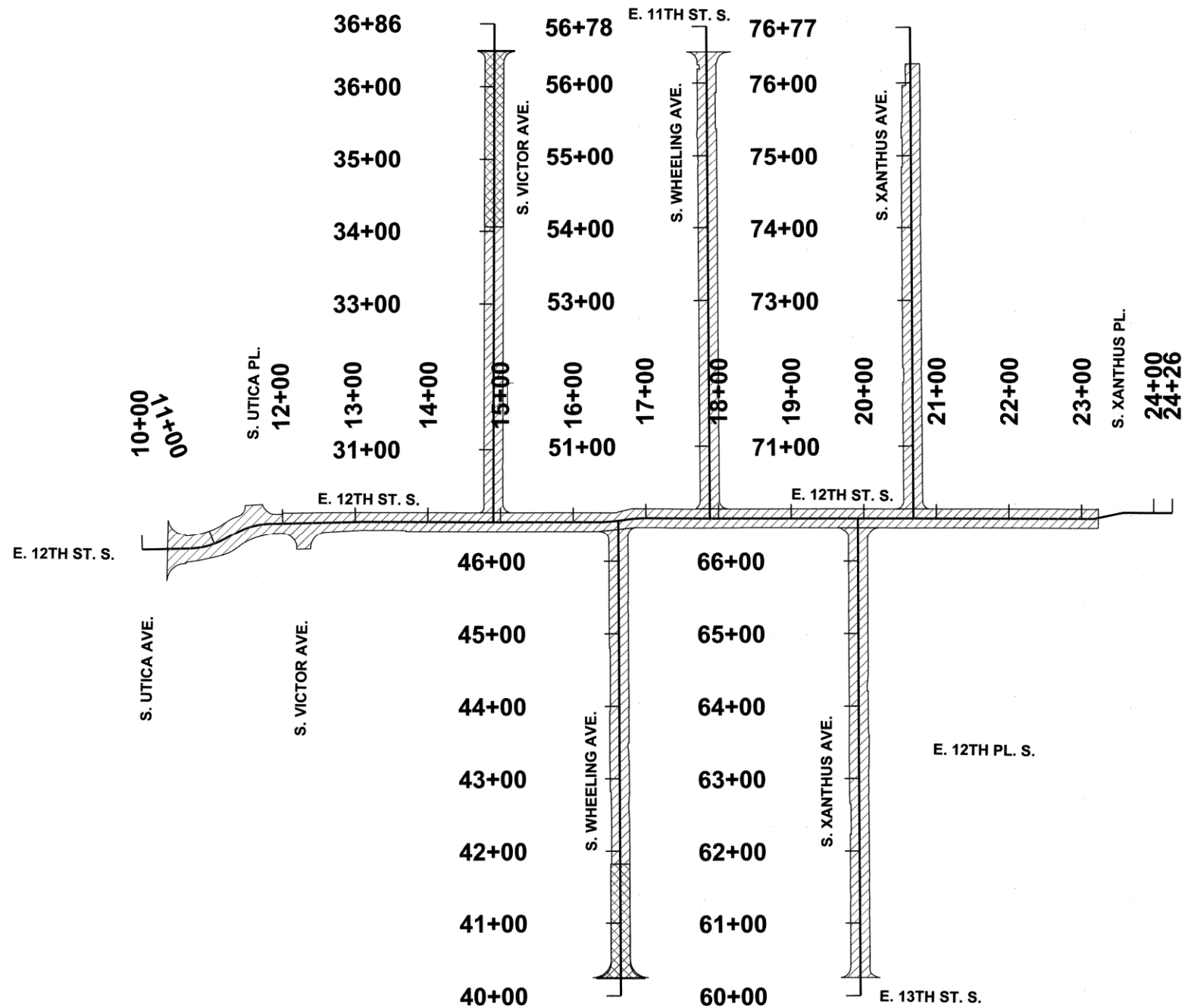
THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT ALL NEWLY CONSTRUCTED PEDESTRIAN FACILITIES MEET THE REQUIREMENTS PROVIDED BY THE UNITED STATES ACCESS BOARD IN THE PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES.



XANTHUS AVE. SIDEWALK DATA	
PROJECT NO. 2036N4021Z	
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021	
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT	
CEC CEC Corporation 1300 S. Main Street Tulsa, OK 74137 (918) 663-9401	

REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:
-	-	-	N/A	DESIGNED	J.L.C.	7/2025	DESIGN MANAGER
-	-	-		SURVEY	B.B.	11/2020	
-	-	-	PROFILE SCALES:	PROJ. MGR.			
-	-	-	HORIZONTAL:	LEAD ENGR.			
-	-	-	VERTICAL:	FIELD MGR.	JKS	01.26	
-	-	-					
-	-	-	DRAWING: SIGNING STRIPING & SIDEWALK N&S.DWG				DATE 01.30.26
-	-	-	ATLAS PAGE NO: 3, 14				SHEET 100 OF 102

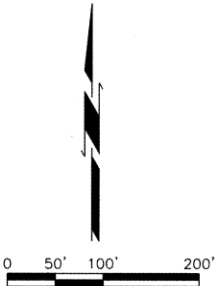
PLOT DATE: July 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021 IOT2\PRODUCTION DRAWINGS\4021 IOT2 CONSTRUCTION PHASING.DWG



LEGEND	
PHASE 1	---
PHASE 2	
PHASE 3	

- PHASE 1
CONSTRUCT WATERLINE
- PHASE 2
STREET RECONSTRUCTION
VICTOR AVE. - BETWEEN 12TH ST. & 11TH ST.
WHEELING AVE. - BETWEEN 13TH ST. & 12TH ST.
- PHASE 3
STREET REHABILITATION
12TH ST. - UTICA AVE. TO XANTHUS PL.
VICTOR AVE. - BETWEEN 12TH ST. & 11TH ST.
WHEELING AVE. - BETWEEN 13TH ST. & 12TH ST.
WHEELING AVE. - 12TH ST. TO 11TH ST.
XANTHUS AVE. - 13TH ST. TO 12TH ST.
XANTHUS AVE. - 12TH ST. TO 11TH ST.

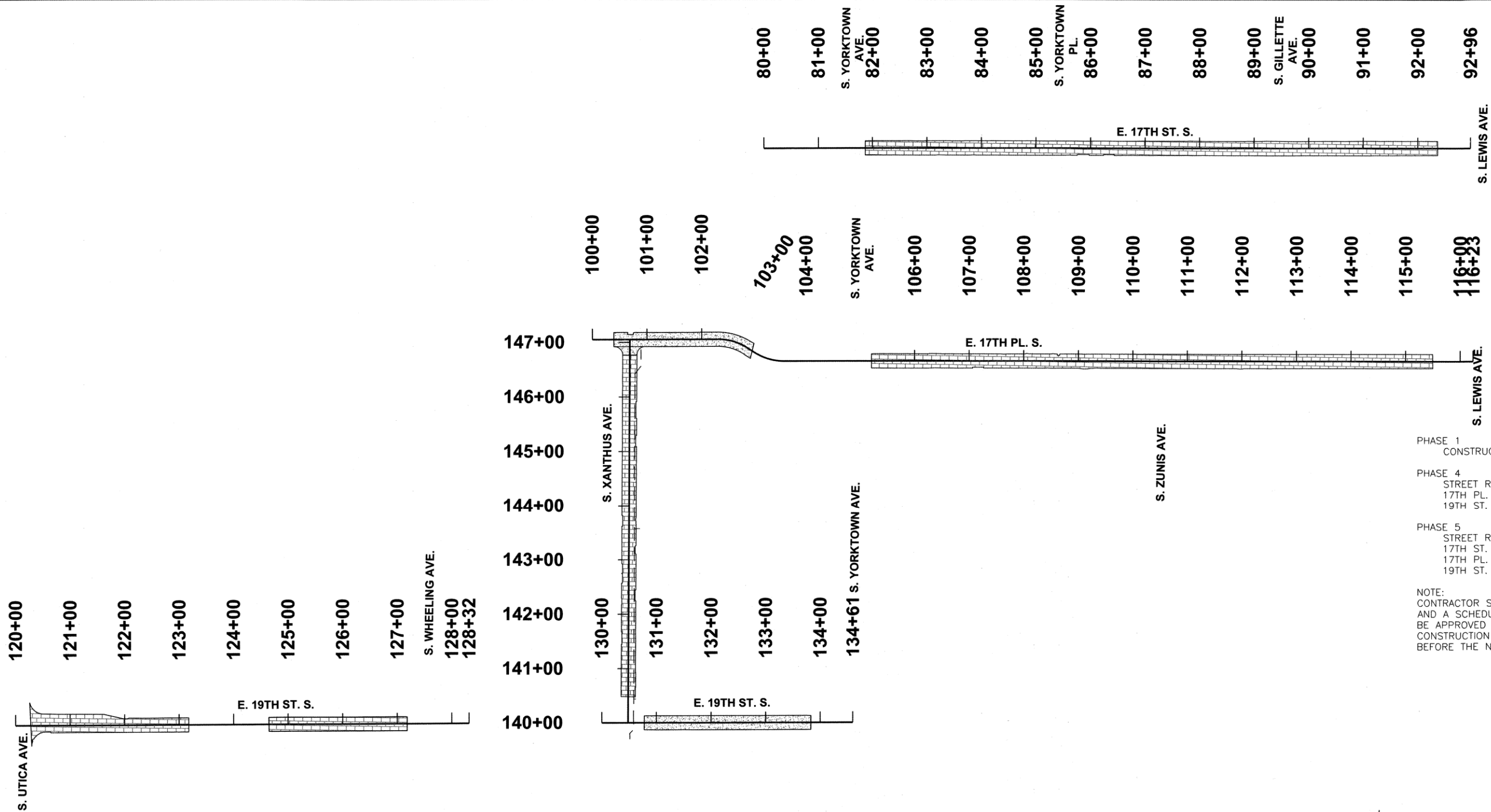
NOTE:
CONTRACTOR SHALL SUBMIT A SEQUENCE OF CONSTRUCTION
AND A SCHEDULE. THE SEQUENCE OF CONSTRUCTION SHALL
BE APPROVED BY THE CITY OF TULSA ENGINEER BEFORE ANY
CONSTRUCTION BEGINS. EACH PHASE SHALL BE COMPLETED
BEFORE THE NEXT PHASE BEGINS.



CONSTRUCTION PHASING (1 OF 2)			
PROJECT NO. 2036N4021Z			
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT			
CEC Corporation 1300 S. Main Street Tulsa, OK 74137 (918) 663-9401			
REVISION	BY	DATE	APPROVED:
1	J.L.C.	7/2025	
2	J.L.C.	7/2025	
3	J.L.C.	7/2025	
4	J.L.C.	7/2025	
5	J.L.C.	7/2025	
6	J.L.C.	7/2025	
7	J.L.C.	7/2025	
8	J.L.C.	7/2025	
9	J.L.C.	7/2025	
10	J.L.C.	7/2025	
DRAWING: 4021 IOT2 CONSTRUCTION PHASING.DWG			DATE: 01.30.26
ATLAS PAGE NO: 3, 14			SHEET 101 OF 102

PLAN SCALE:	DRAWN	J.L.C.	7/2025
1" = 100'	DESIGNED	J.L.C.	7/2025
	SURVEY	B.B.	11/2020
PROFILE SCALES:	PROJ. MGR.		
	LEAD ENGR.		
HORIZONTAL:	FIELD MGR.		
N/A			
VERTICAL:			
N/A			

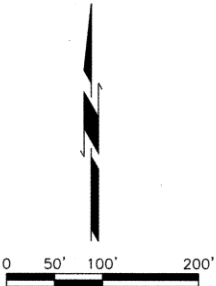
PLOT DATE: JULY 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021 IOT2\PRODUCTION DRAWINGS\4021 IOT2 CONSTRUCTION PHASING.DWG



LEGEND	
PHASE 1	---
PHASE 4	[Pattern]
PHASE 5	[Pattern]

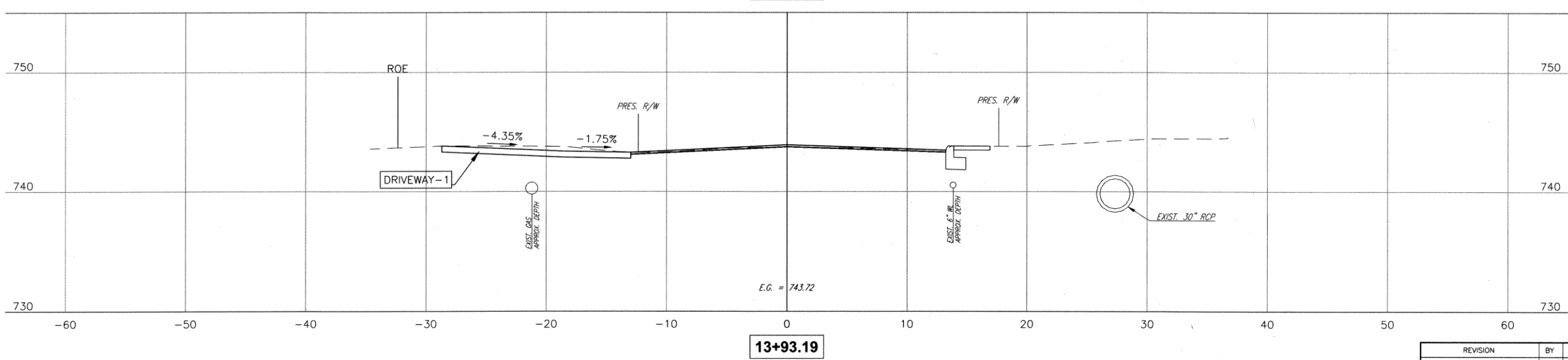
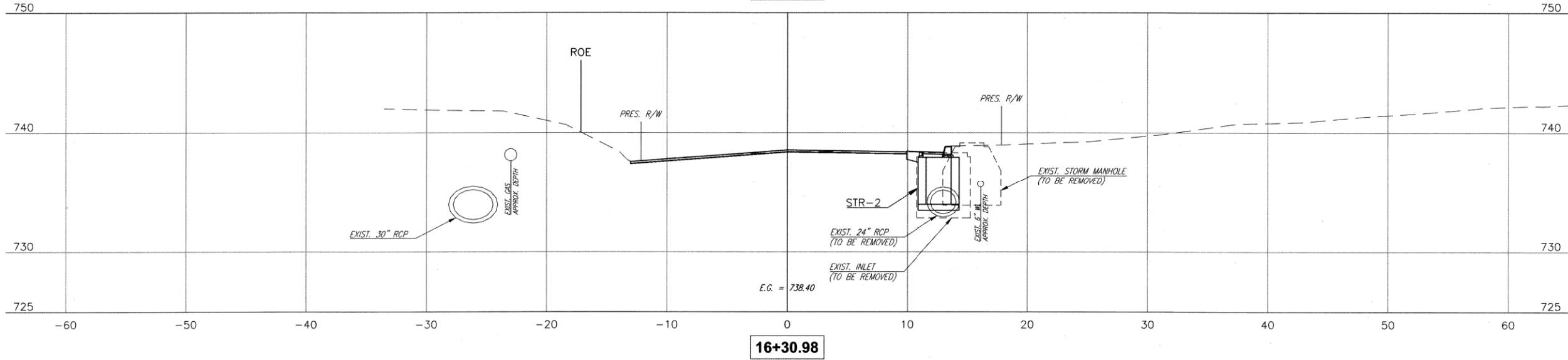
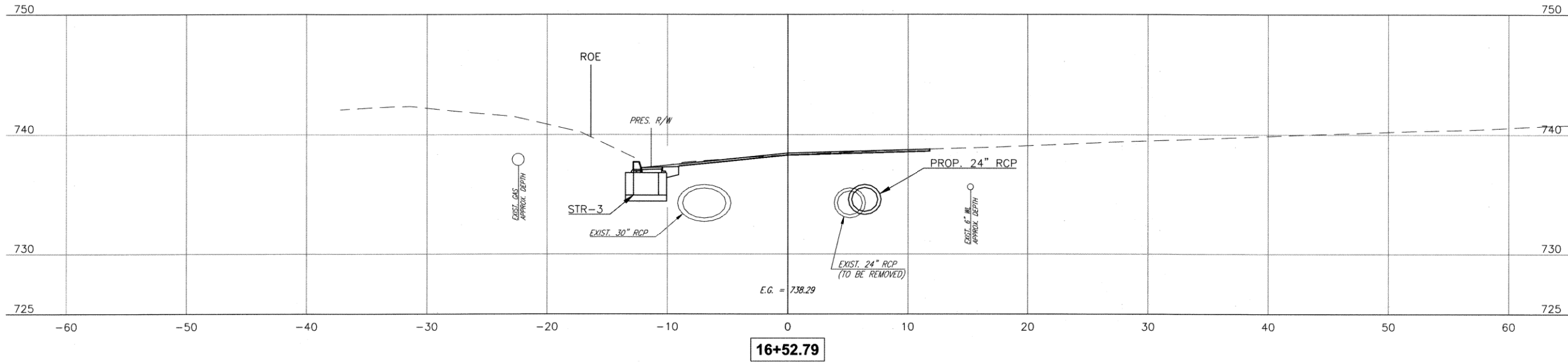
- PHASE 1
CONSTRUCT WATERLINE
- PHASE 4
STREET RECONSTRUCTION
17TH PL. - BETWEEN XANTHUS AVE. & YORKTOWN AVE.
19TH ST. - XANTHUS AVE. TO YORKTOWN AVE.
- PHASE 5
STREET REHABILITATION
17TH ST. - YORKTOWN AVE. TO LEWIS AVE.
17TH PL. - YORKTOWN AVE. TO LEWIS AVE.
19TH ST. - UTICA AVE. TO WHEELING AVE.

NOTE:
CONTRACTOR SHALL SUBMIT A SEQUENCE OF CONSTRUCTION AND A SCHEDULE. THE SEQUENCE OF CONSTRUCTION SHALL BE APPROVED BY THE CITY OF TULSA ENGINEER BEFORE ANY CONSTRUCTION BEGINS. EACH PHASE SHALL BE COMPLETED BEFORE THE NEXT PHASE BEGINS.



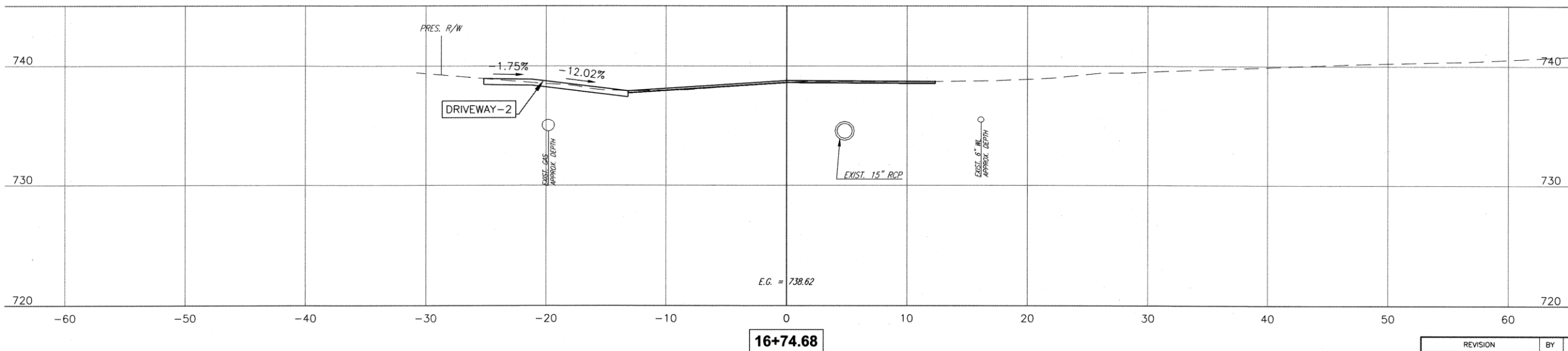
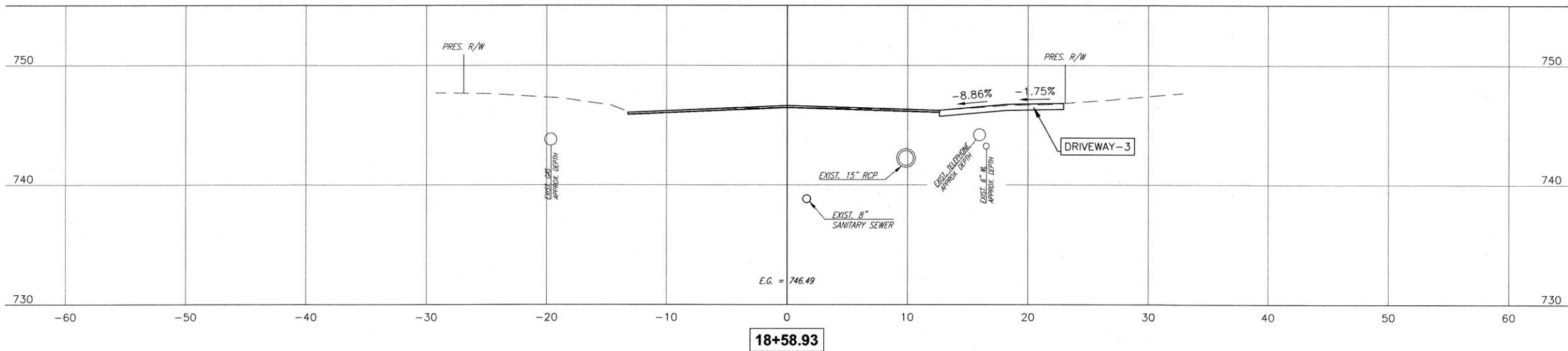
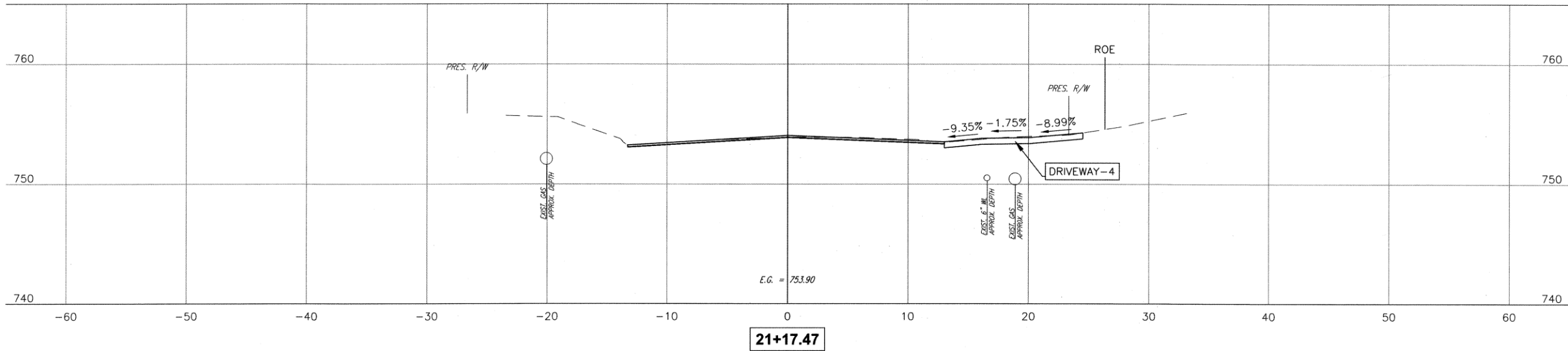
CONSTRUCTION PHASING (2 OF 2)	
PROJECT NO. 2036N4021Z	
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021	
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT	
 CEC Corporation 1300 S. Main Street Tulsa, OK 74137 (918) 663-9401	
REVISION	BY DATE
PLAN SCALE:	DRAWN J.L.C. 7/2025
1" = 100'	DESIGNED J.L.C. 7/2025
	SURVEY B.B. 11/2020
PROFILE SCALES:	PROJ. MGR.
	LEAD ENGR.
HORIZONTAL:	FIELD MGR. <i>[Signature]</i>
N/A	
VERTICAL:	
N/A	
DRAWING: 4021 IOT2 CONSTRUCTION PHASING.DWG DATE <i>01.30.26</i>	
ATLAS PAGE NO: 3, 14	
APPROVED: <i>[Signature]</i>	
SHEET 102 OF 102	

PLOT DATE: JULY 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021 IOT2\PRODUCTION DRAWINGS\4021 IOT2 12TH ST. CROSS SECTIONS.DWG



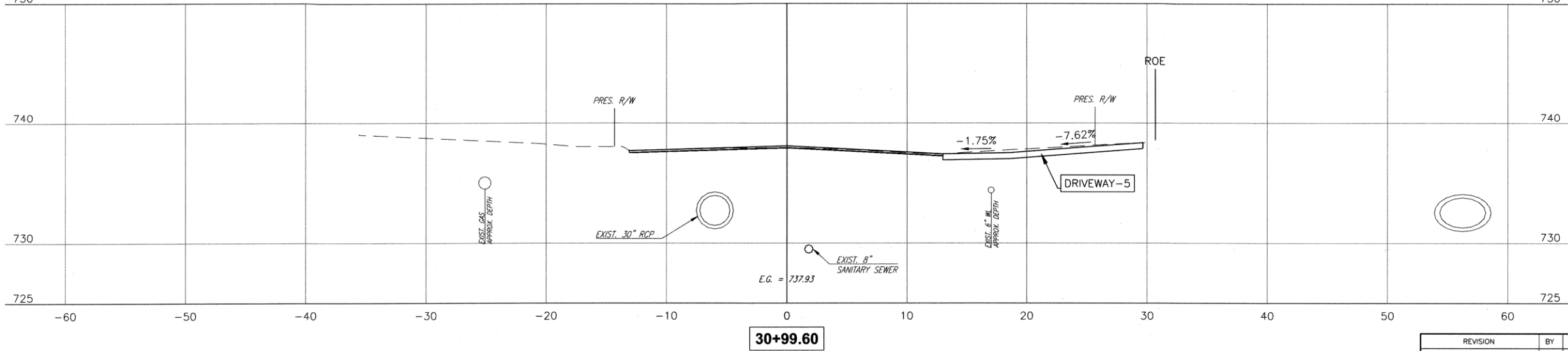
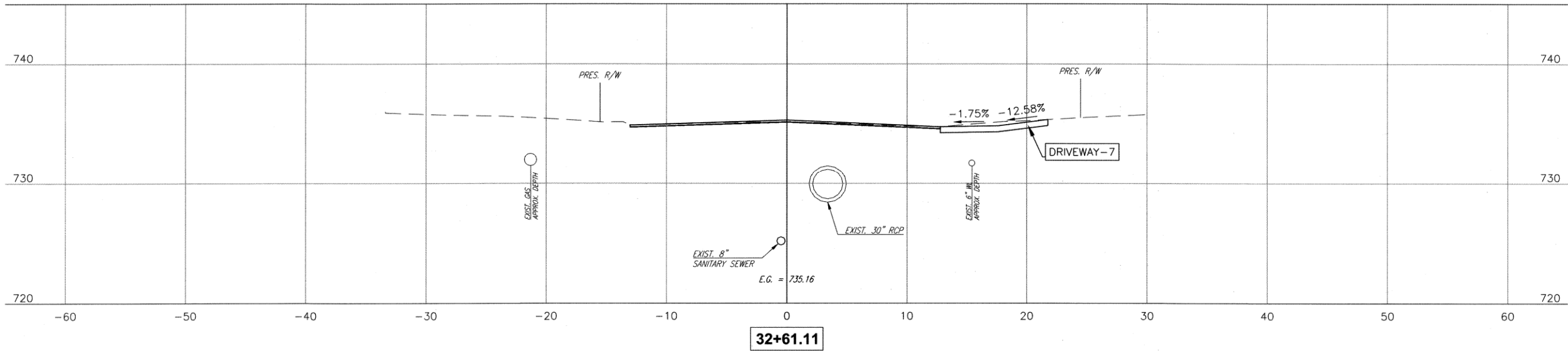
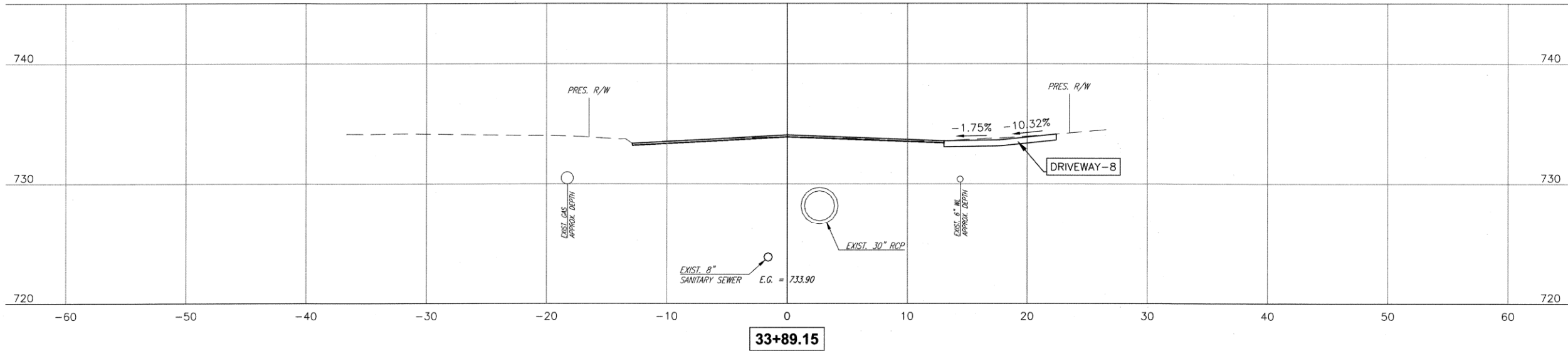
12TH ST. XS 1			
PROJECT NO. 2036N4021Z			
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT			
 CEC		CEC Corporation 1300 S. Main Street Tulsa, OK 74137 (918) 663-9401	
PLAN SCALE:	DRAWN	J.L.C. 7/2025	APPROVED:
N/A	DESIGNED	J.L.C. 7/2025	
	SURVEY	B.B. 11/2020	
PROFILE SCALES:	PROJ. MGR.		DESIGN MANAGER
HORIZONTAL:	LEAD ENGR.		
1" = 5'	FIELD MGR.		
VERTICAL			
1" = 5'			
DRAWING: 4021 IOT2 12TH ST. CROSS SECTIONS.DWG			DATE
ATLAS PAGE NO: 3, 14			SHEET XS1 OF XS29

PLOT DATE: JULY 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021 IOT2\PRODUCTION DRAWINGS\4021 IOT2 12TH ST. CROSS SECTIONS.DWG



12TH ST. XS 2									
PROJECT NO. 2036N4021Z									
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021									
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT									
CEC CEC Corporation 1300 S. Main Street Tulsa, OK 74137 (918) 663-9401									
REVISION		BY	DATE	PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:	
-		-	-	N/A	DESIGNED	J.L.C.	7/2025		
-		-	-		SURVEY	B.B.	11/2020		
-		-	-	PROFILE SCALES:	PROJ. MGR.				
-		-	-	HORIZONTAL:	LEAD ENGR.			DESIGN MANAGER	
-		-	-	1" = 5'	FIELD MGR.				
-		-	-	VERTICAL:					
-		-	-	1" = 5'				DATE	
-		-	-	DRAWING: 4021 IOT2 12TH ST. CROSS SECTIONS.DWG				SHEET XS2 OF XS29	
-		-	-	ATLAS PAGE NO: 3, 14					

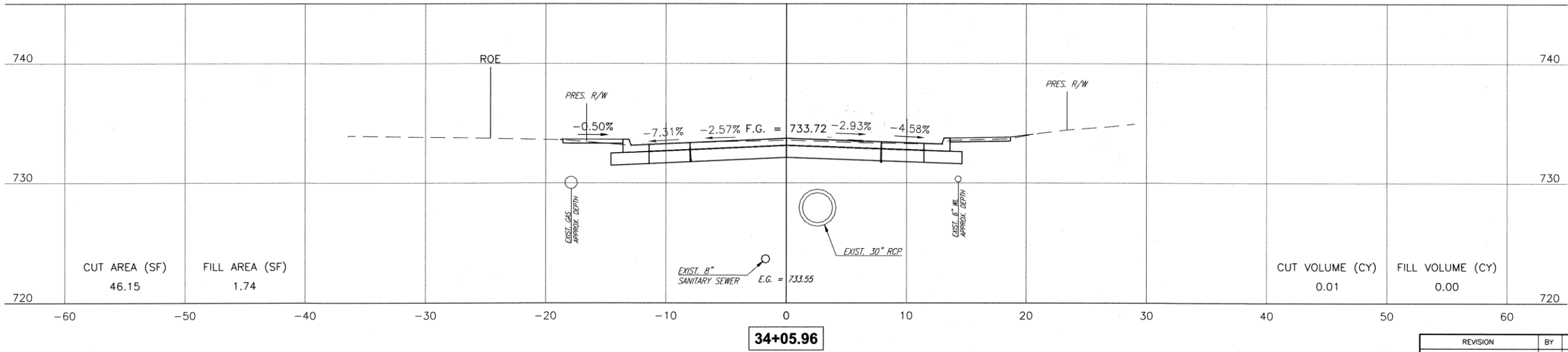
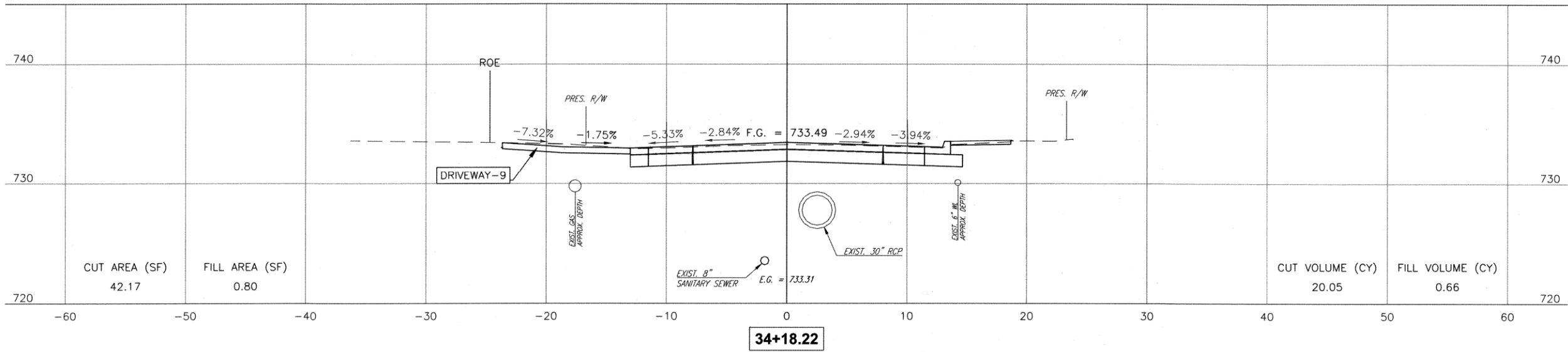
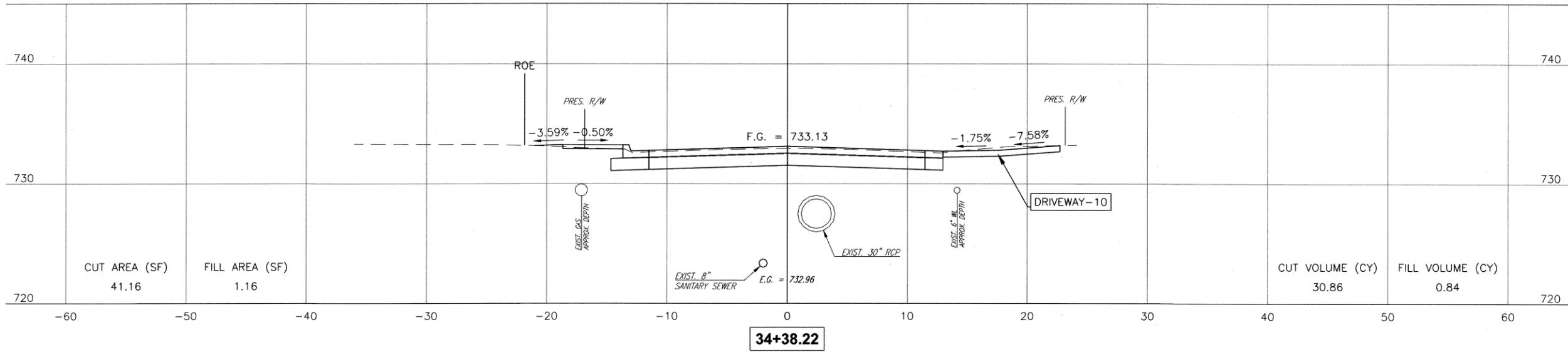
PLOT DATE: JULY 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021 IOT2\PRODUCTION DRAWINGS\4021 IOT2 VICTOR AVE CROSS SECTIONS.DWG



VICTOR AVE. XS 1	
PROJECT NO. 2036N4021Z	
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021	
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT	
	CEC Corporation 1300 S. Main Street Tulsa, OK 74137 (918) 663-9401

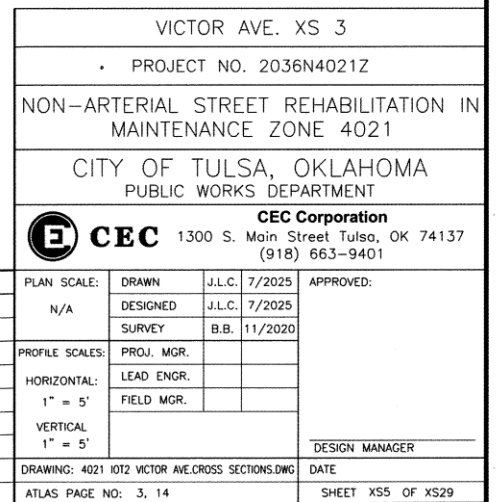
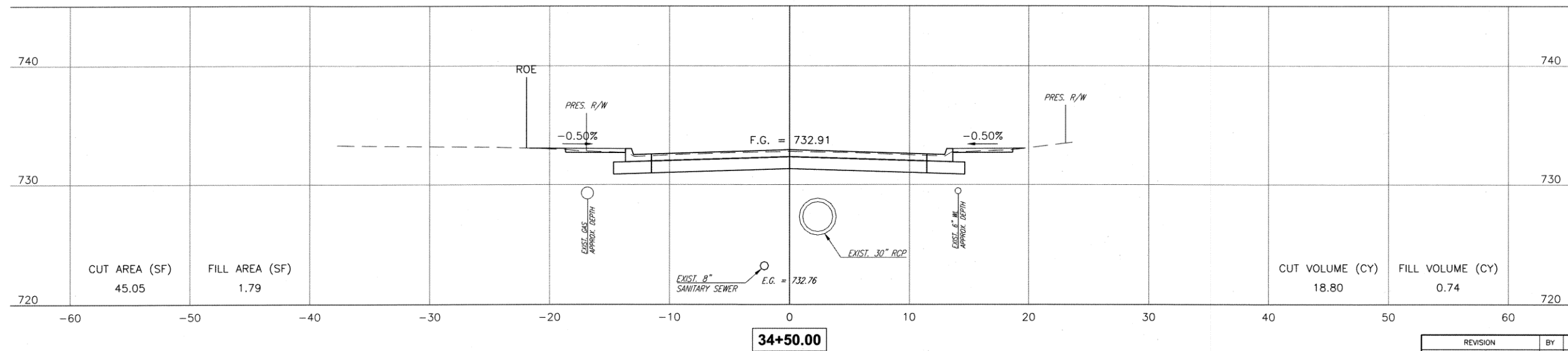
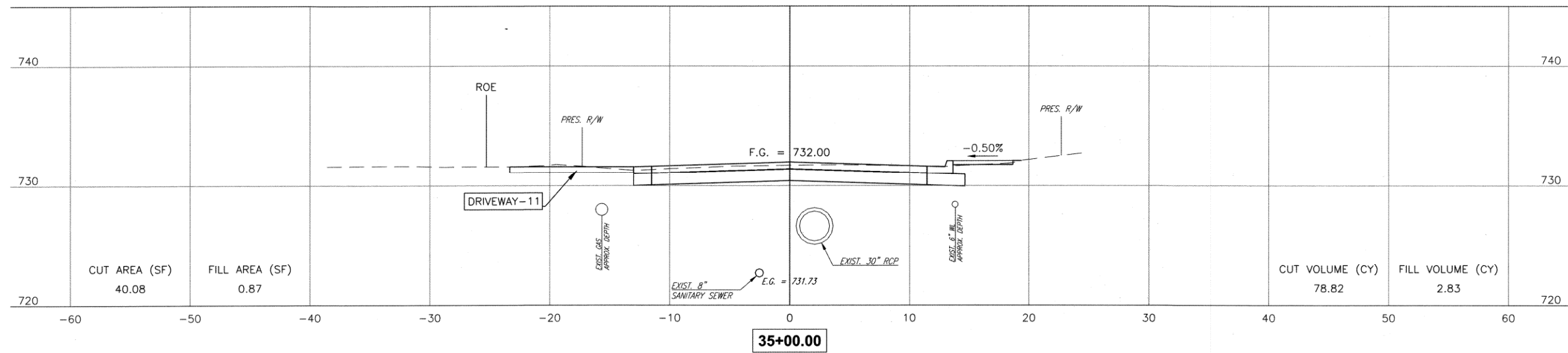
REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:
-	-	-	N/A	DESIGNED	J.L.C.	7/2025	
-	-	-		SURVEY	B.B.	11/2020	
-	-	-	PROFILE SCALES:	PROJ. MGR.			
-	-	-	HORIZONTAL:	LEAD ENGR.			
-	-	-	VERTICAL:	FIELD MGR.			
-	-	-	1" = 5'				DESIGN MANAGER
-	-	-	1" = 5'				
-	-	-	DRAWING: 4021 IOT2 VICTOR AVE CROSS SECTIONS.DWG				DATE
-	-	-	ATLAS PAGE NO: 3, 14				SHEET XS3 OF XS29

PLOT DATE: JULY 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021 IOT2\PRODUCTION DRAWINGS\4021 IOT2 VICTOR AVE CROSS SECTIONS.DWG

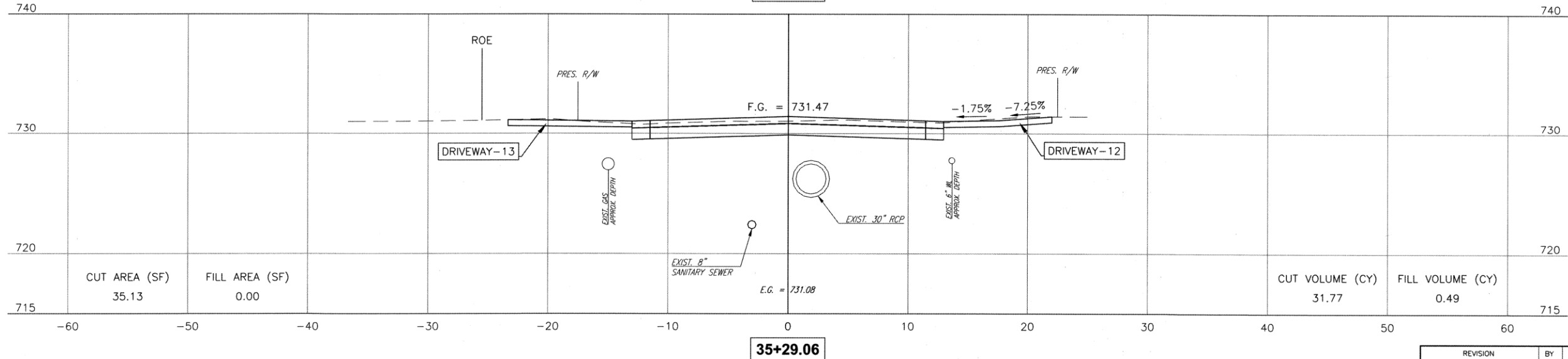
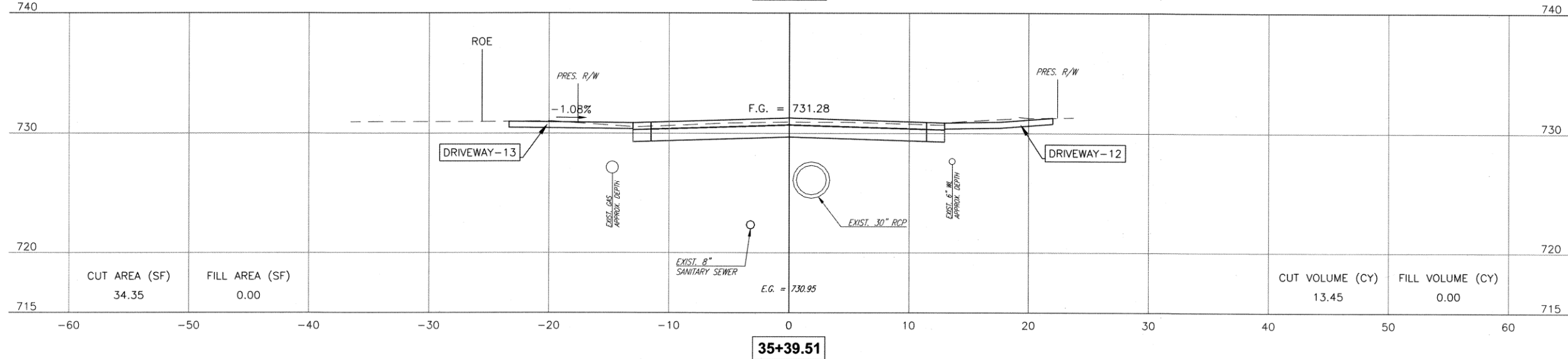
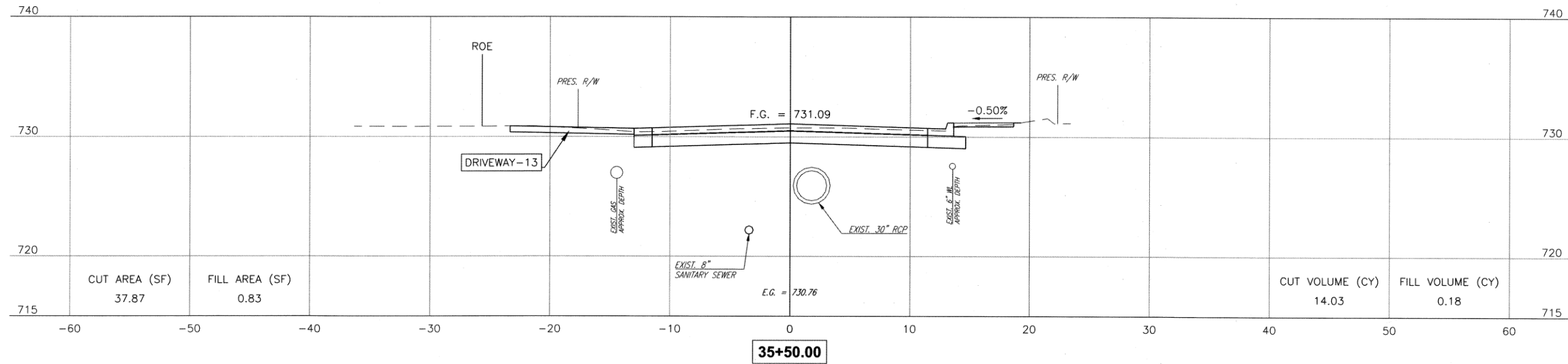


VICTOR AVE. XS 2	
PROJECT NO. 2036N4021Z	
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021	
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT	
	CEC Corporation 1300 S. Main Street Tulsa, OK 74137 (918) 663-9401

REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:
-	-	-	N/A	DESIGNED	J.L.C.	7/2025	
-	-	-		SURVEY	B.B.	11/2020	
			PROFILE SCALES:	PROJ. MGR.			
			HORIZONTAL:	LEAD ENGR.			
			1" = 5'	FIELD MGR.			
			VERTICAL:				
			1" = 5'				
			DRAWING: 4021 IOT2 VICTOR AVE CROSS SECTIONS.DWG	DESIGN MANAGER		DATE	
			ATLAS PAGE NO: 3, 14	SHEET XS4 OF XS29			



PLOT DATE: July 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021 IOT2\PRODUCTION DRAWINGS\4021 IOT2 VICTOR AVE.CROSS SECTIONS.DWG



VICTOR AVE. XS 4				
PROJECT NO. 2036N4021Z				
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021				
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT				
 CEC 1300 S. Main Street Tulsa, OK 74137 (918) 663-9401				
PLAN SCALE:		DRAWN	J.L.C. 7/2025	APPROVED: <

Profile view of a sewer line. The vertical axis shows elevations from 715 to 740. The horizontal axis shows stationing from -60 to 60. The profile includes a proposed sewer line (PRES. R/W) with a grade of -0.50% and a finished ground (F.G.) of 729.69. An existing sewer line (EXIST. 30" RCP) is shown with a grade of -0.71% and an elevation of 729.54. Other features include an existing 8" sanitary sewer, an existing inlet to be removed, and a structure labeled STR-7. The profile also shows the approximate depth of existing gas and water lines.

Station	Cut Area (SF)	Fill Area (SF)	Cut Volume (CY)	Fill Volume (CY)
-60	39.42	2.75	40.48	2.70

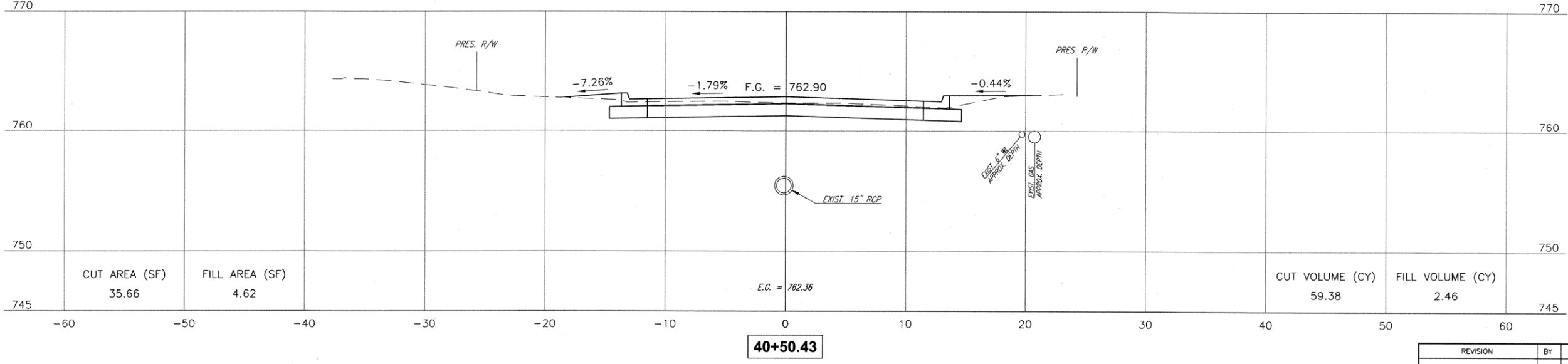
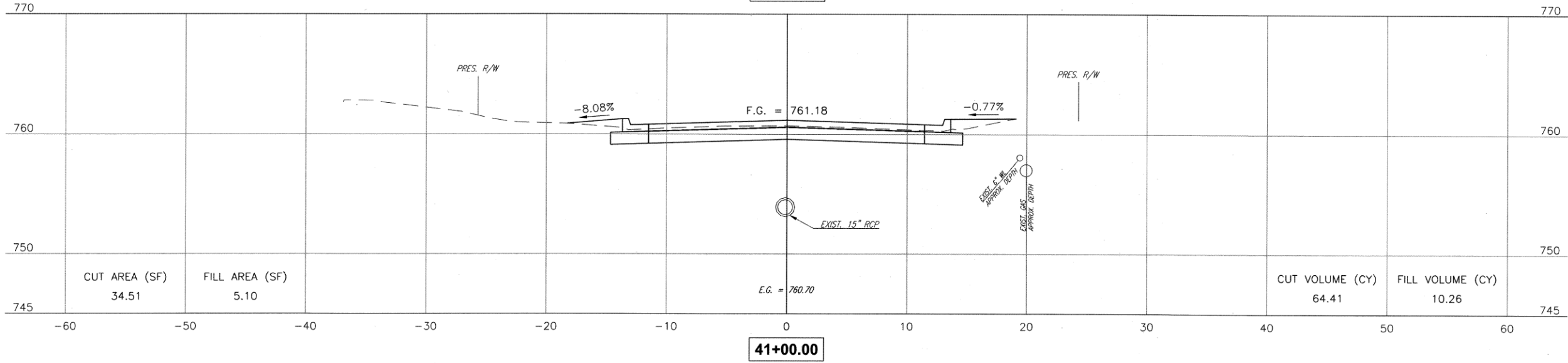
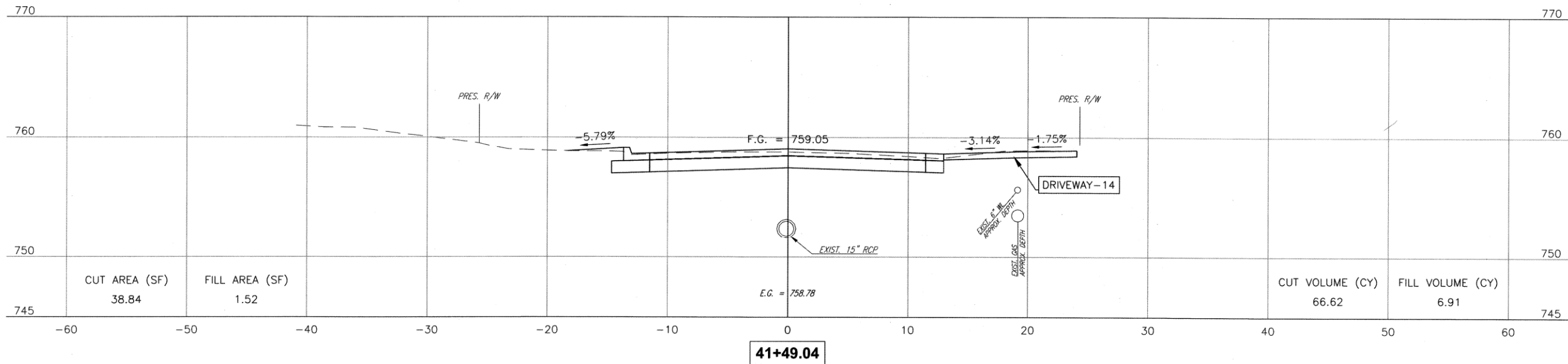
The profile view shows a proposed road section with a centerline elevation of 730.18. The road has a -0.50% grade on both sides of the centerline. The existing ground (E.G.) is shown as a dashed line. The proposed road (P.R.) is shown as a solid line. The road width (R/W) is indicated on both sides. The existing 8" sanitary sewer is shown as a circle with a centerline elevation of 729.87. The existing 30" RCP is shown as a circle with a centerline elevation of 730.18. The existing gas line is shown as a circle with a centerline elevation of 729.87. The road is shown with a 12' wide right-of-way (R/OE) on both sides. The profile view is plotted on a grid with stationing from -60 to 60 and elevation from 715 to 740.

Station	Elevation (ft)	Feature
-60	715	CUT AREA (SF) 42.56
-50	715	FILL AREA (SF) 1.99
-20	730	PRES. R/W
0	730.18	F.G. = 730.18
0	729.87	E.G. = 729.87
20	730	PRES. R/W
40	715	CUT VOLUME (CY) 74.47
50	715	FILL VOLUME (CY) 3.00
60	715	

[illegible]

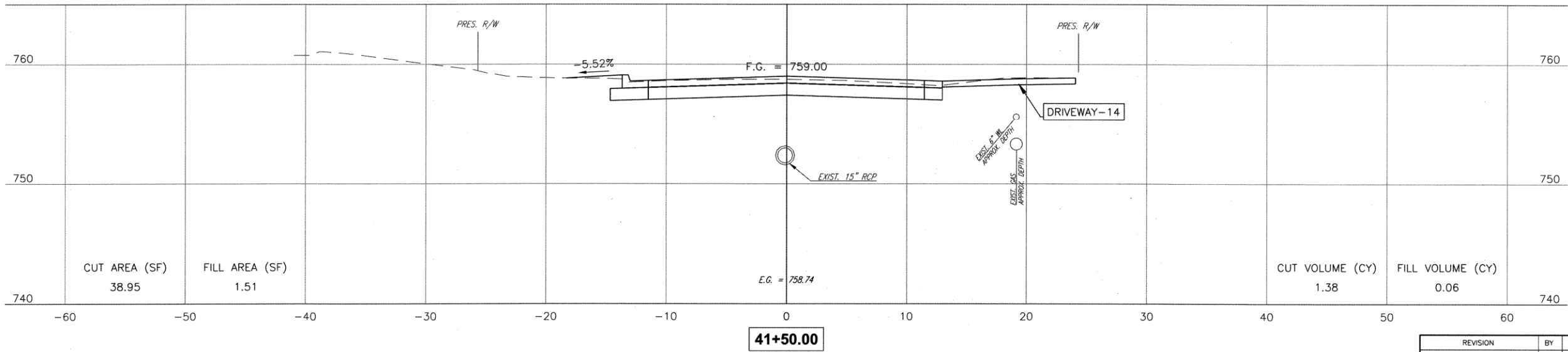
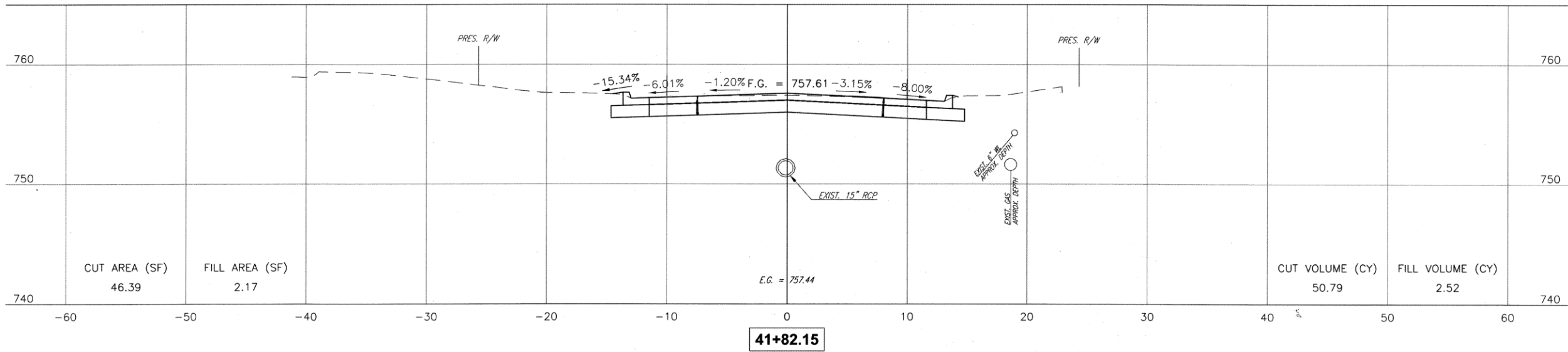
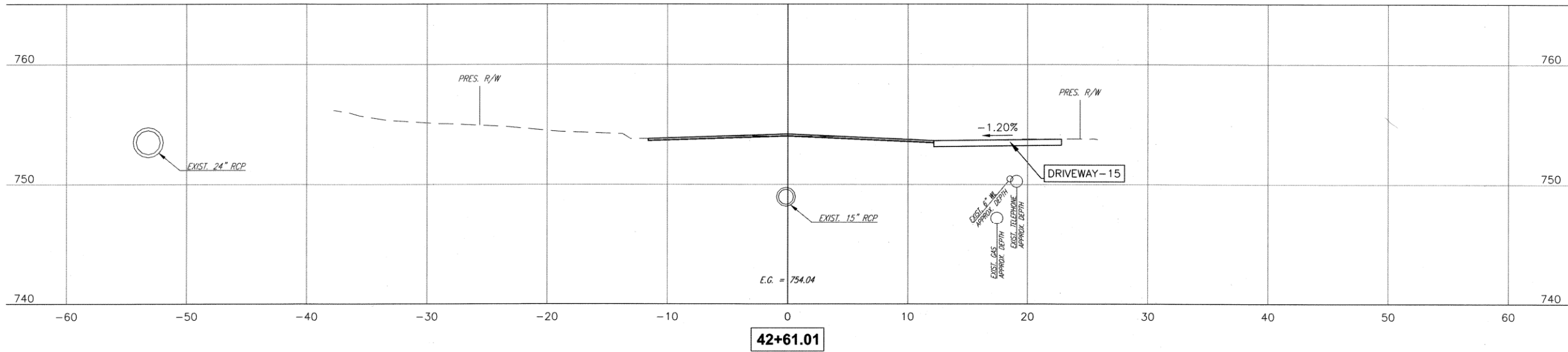
VICTOR AVE. XS 5						
PROJECT NO. 2036N4021Z						
NON-ARTERIAL STREET REHABILITATION I MAINTENANCE ZONE 4021						
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT						
CEC CEC Corporation 1300 S. Main Street Tulsa, OK 74137 (918) 663-9401						
E	PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:	
	N/A	DESIGNED	J.L.C.	7/2025		
		SURVEY	B.B.	11/2020		
	PROFILE SCALES:	PROJ. MGR.				
	HORIZONTAL:	LEAD ENGR.				
	1" = 5'	FIELD MGR.				
	VERTICAL:					
	1" = 5'					
	DRAWING: 4021 1072 VICTOR AVE.CROSS SECTIONS.DWG					DATE
	ATLAS PAGE NO. 3, 14					SHEET XS7 OF XS29

PLOT DATE: JULY 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021 IOT2\PRODUCTION DRAWINGS\4021 IOT2 WHEELING AVE.CROSS SECTIONS.DWG



WHEELING AVE. XS 1			
PROJECT NO. 2036N4021Z			
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT			
CEC Corporation 1300 S. Main Street Tulsa, OK 74137 (918) 663-9401			
REVISION	BY	DATE	APPROVED:
-	-	-	DESIGN MANAGER DATE
-	-	-	
-	-	-	
-	-	-	
-	-	-	
PLAN SCALE:	DRAWN	J.L.C.	7/2025
N/A	DESIGNED	J.L.C.	7/2025
PROFILE SCALES:	PROJ. MGR.	B.B.	11/2020
HORIZONTAL:	LEAD ENGR.		
1" = 5'	FIELD MGR.		
VERTICAL:			
1" = 5'			
DRAWING:	4021 IOT2 WHEELING AVE.CROSS SECTIONS.DWG		
ATLAS PAGE NO:	3, 14		
	SHEET XS8 OF XS29		

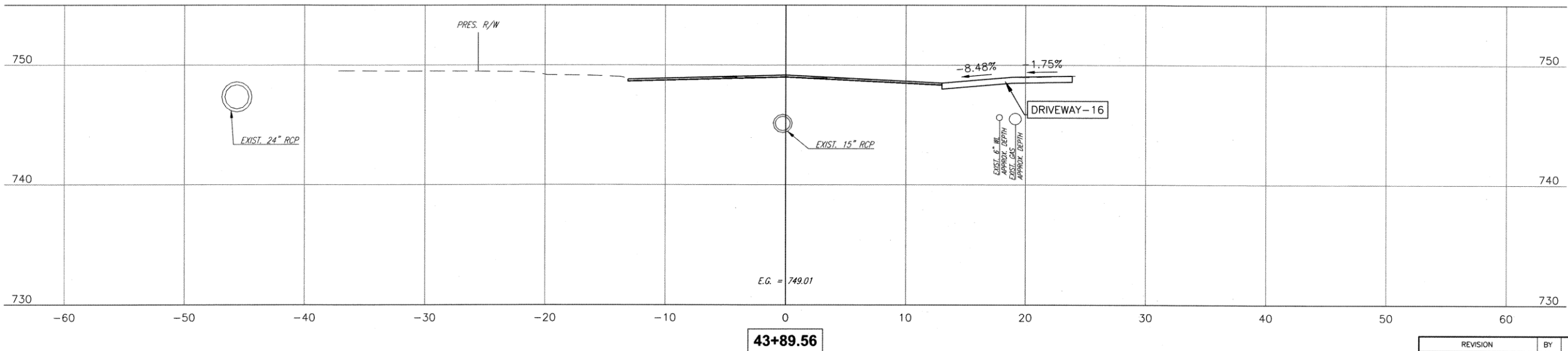
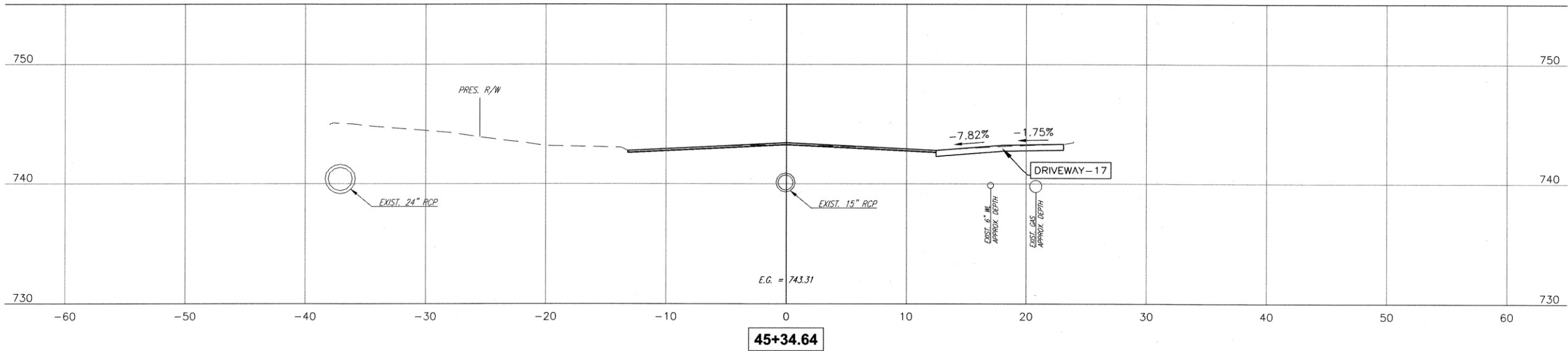
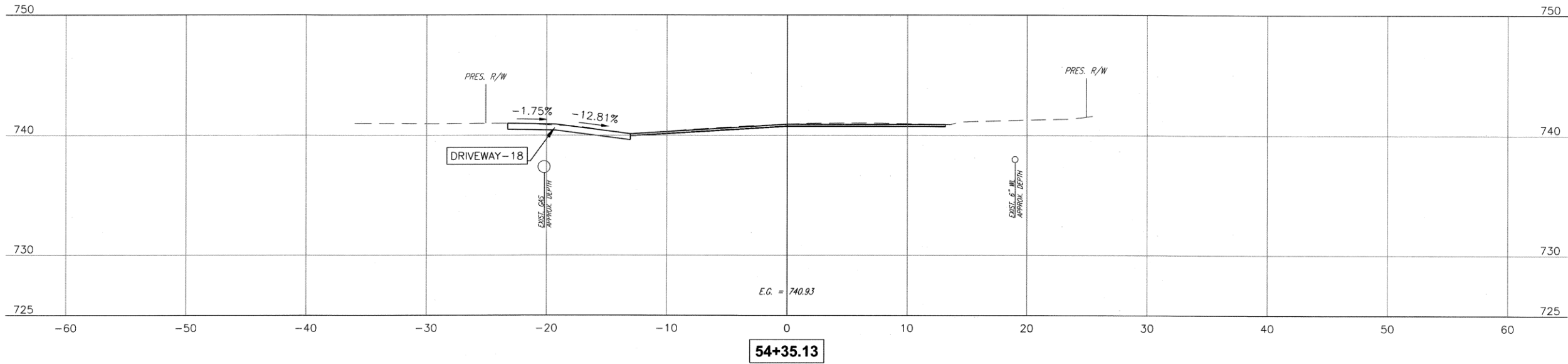
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WHEELING AVE. XS 2	
PROJECT NO. 2036N4021Z	
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021	
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT	
	CEC Corporation 1300 S. Main Street Tulsa, OK 74137 (918) 663-9401

REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:
-	-	-	N/A	DESIGNED	J.L.C.	7/2025	
-	-	-		SURVEY	B.B.	11/2020	
-	-	-	PROFILE SCALES:	PROJ. MGR.			
-	-	-	HORIZONTAL:	LEAD ENGR.			
-	-	-	1" = 5'	FIELD MGR.			DESIGN MANAGER
-	-	-	VERTICAL:				
-	-	-	1" = 5'				DATE
-	-	-	DRAWING: 4021 IOT2 WHEELING AVE.CROSS SECTIONS.DWG				
-	-	-	ATLAS PAGE NO: 3, 14				SHEET XS9 OF XS29

PLOT DATE: JULY 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021 IOT2\PRODUCTION DRAWINGS\4021 IOT2 WHEELING AVE.CROSS SECTIONS.DWG



WHEELING AVE. XS 3					
PROJECT NO. 2036N4021Z					
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021					
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT					
 CEC Corporation 1300 S. Main Street Tulsa, OK 74137 (918) 663-9401					
PLAN SCALE:		DRAWN	J.L.C.	7/2025	APPROVED:
N/A		DESIGNED	J.L.C.	7/2025	
		SURVEY	B.B.	11/2020	
PROFILE SCALES:		PROJ. MGR.			DESIGN MANAGER
HORIZONTAL:		LEAD ENGR.			
1" = 5'		FIELD MGR.			
VERTICAL					
1" = 5'					
DRAWING: 4021 IOT2 WHEELING AVE.CROSS SECTIONS.DWG					
DATE					
ATLAS PAGE NO: 3, 14					
SHEET XS10 OF XS29					

Profile view of a proposed driveway. The vertical axis shows elevation in feet (725 to 750), and the horizontal axis shows stationing (-60 to 60). The profile includes a dashed line for the existing ground (E.G.) and a solid line for the proposed driveway. Key features include:

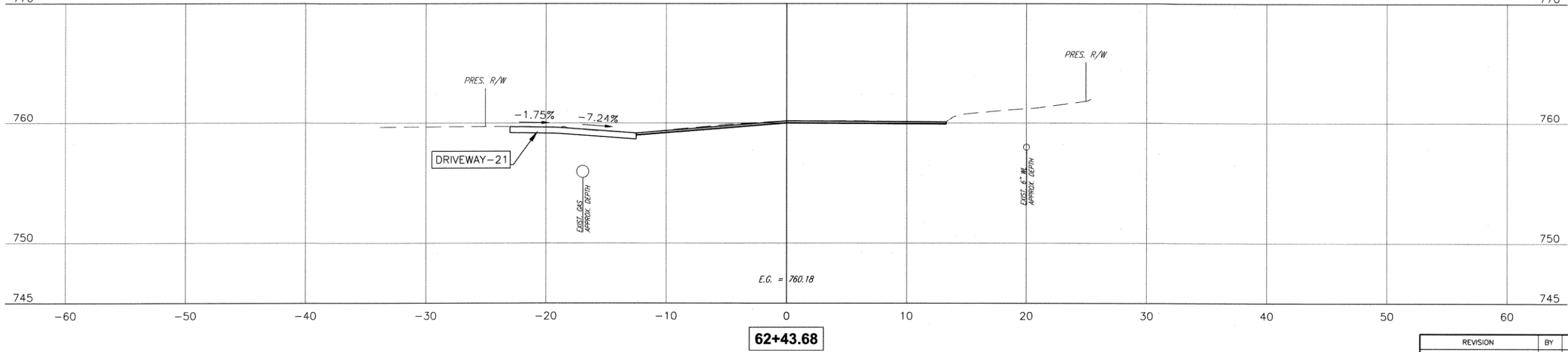
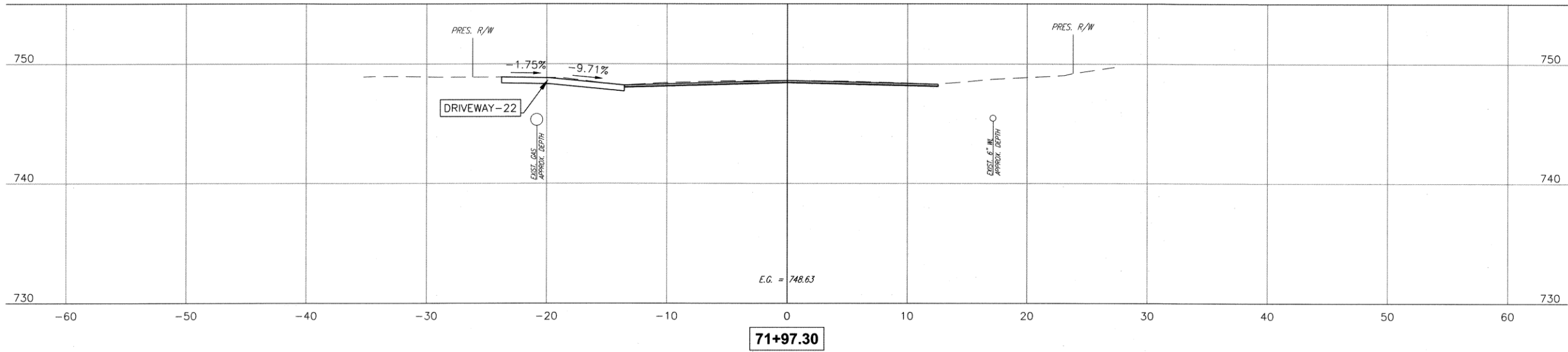
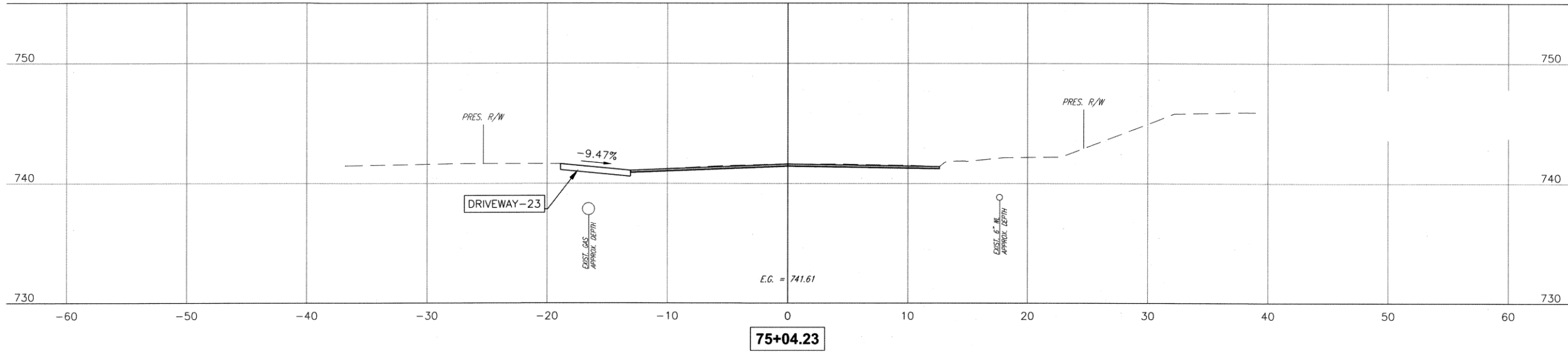
- Existing Ground (E.G.):** Indicated by a dashed line.
- Proposed Driveway:** Indicated by a solid line.
- Grades:** The driveway has a grade of -8.12% from station -10 to 15, and a grade of -1.75% from station 15 to 25.
- Labels:** "PRES. R/W" (Proposed Right of Way) is shown at both ends of the driveway. "DRIVEWAY - 20" is labeled near the end of the driveway. "E.G. = 737.69" is noted near the center of the profile.

Profile view of a proposed driveway and existing road. The profile shows a proposed driveway (DRIVEWAY-19) with a 1.75% slope and an existing road with a 12.16% slope. The vertical axis shows elevation from 725 to 750. The horizontal axis shows stationing from -60 to 60. Key features include 'PRES. R/W' (Proposed Right of Way) and 'EXIST. GAS APPROX. DEPTH' (Existing Gas Approximate Depth). The existing ground elevation (E.G.) is 740.69.



WHEELING AVE. XS 4				
PROJECT NO. 2036N4021Z				
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021				
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT				
 CEC Corporation 1300 S. Main Street Tulsa, OK 74137 (918) 663-9401				
PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:
N/A	DESIGNED	J.L.C.	7/2025	
	SURVEY	B.B.	11/2020	
PROFILE SCALES:	PROJ. MGR.			
HORIZONTAL:	LEAD ENGR.			DESIGN MANAGER _____
1" = 5'	FIELD MGR.			
VERTICAL				
1" = 5'				
DRAWING: 4021 I072 WHEELING AVE.CROSS SECTIONS.DWG				DATE
ATLAS PAGE NO: 3, 14				SHEET XS11 OF XS29

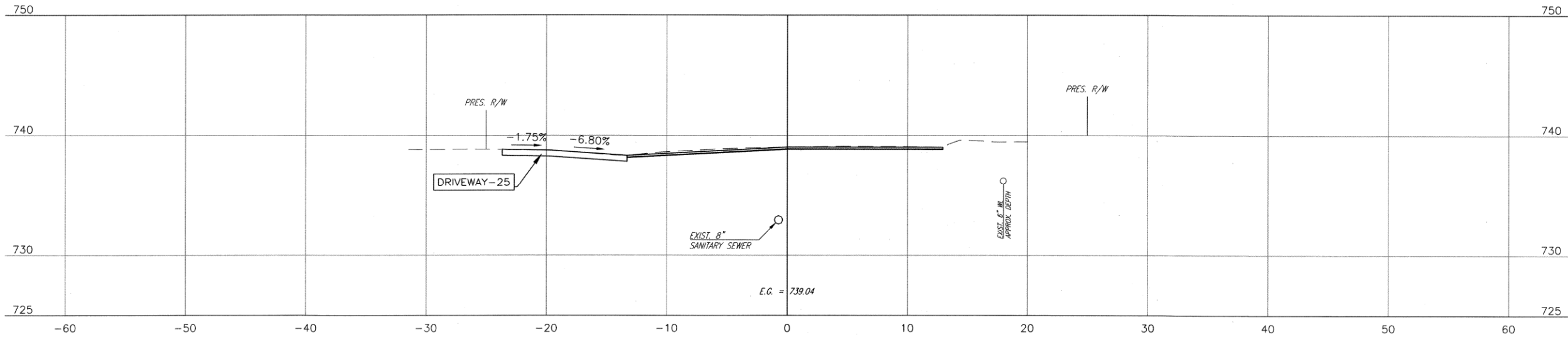
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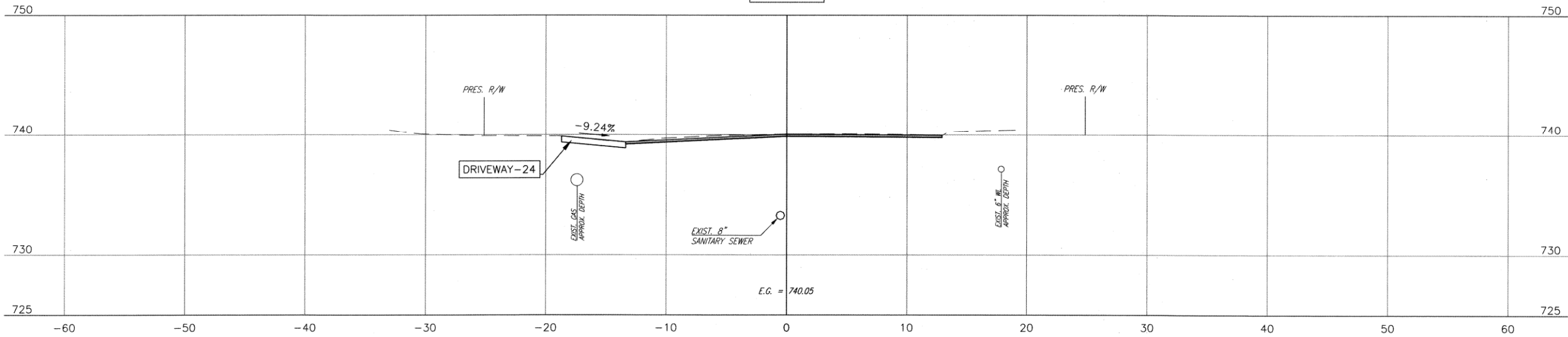
XANTHUS AVE. XS 1	
PROJECT NO. 2036N4021Z	
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021	
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT	
	CEC Corporation 1300 S. Main Street Tulsa, OK 74137 (918) 663-9401

REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:
-	-	-	N/A	DESIGNED	J.L.C.	7/2025	
-	-	-		SURVEY	B.B.	11/2020	
-	-	-	PROFILE SCALES:	PROJ. MGR.			
-	-	-	HORIZONTAL:	LEAD ENGR.			
-	-	-	1" = 5'	FIELD MGR.			
-	-	-	VERTICAL:				DESIGN MANAGER
-	-	-					DATE
-	-	-	DRAWING: 4021 IOT2 XANTHUS AVE.CROSS SECTIONS.DWG				SHEET XS12 OF XS29
-	-	-	ATLAS PAGE NO: 3, 14				

PLOT DATE: JULY 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021 IOT2\PRODUCTION DRAWINGS\4021 IOT2 XANTHUS AVE.CROSS SECTIONS.DWG



76+13.38

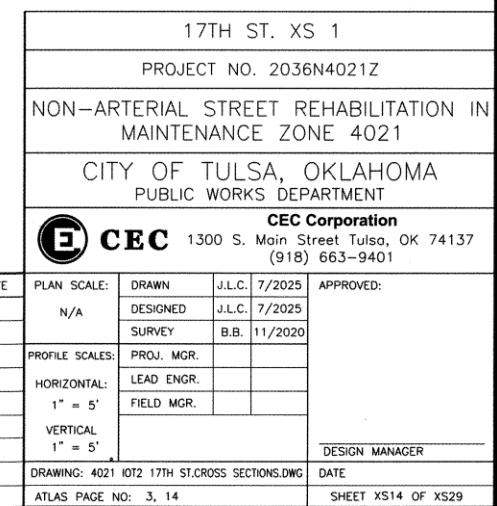
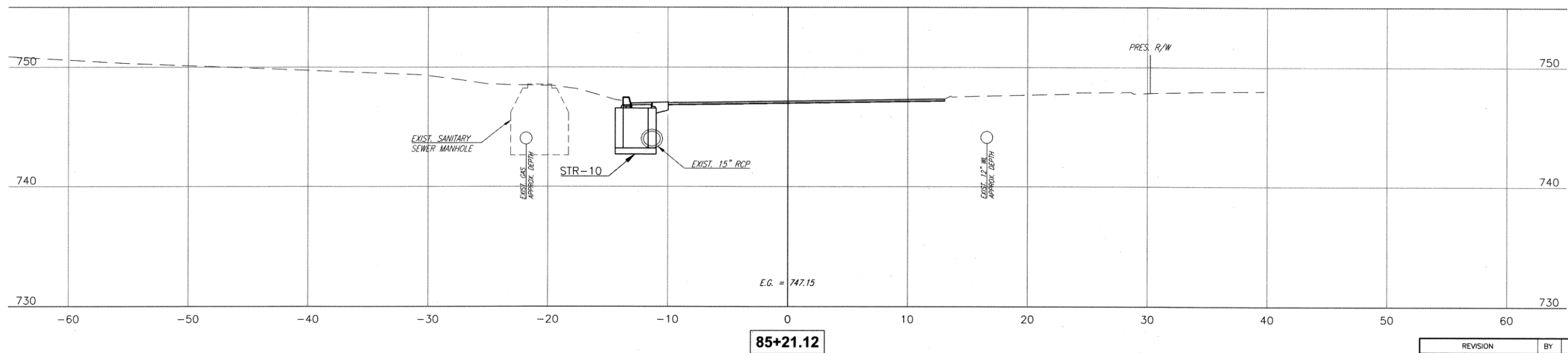
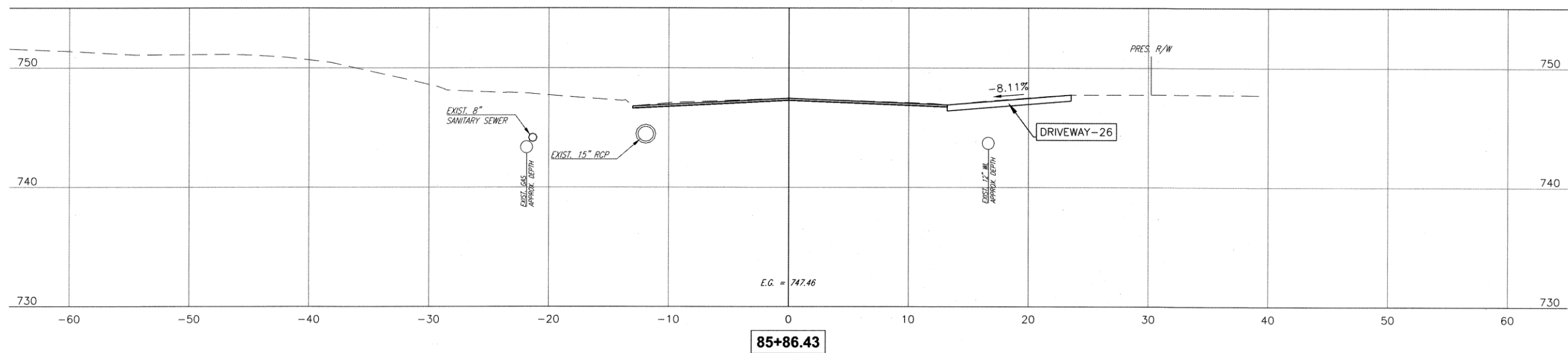


75+70.31



XANTHUS AVE. XS 2	
PROJECT NO. 2036N4021Z	
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021	
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT	
	CEC Corporation 1300 S. Main Street Tulsa, OK 74137 (918) 663-9401

REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:
-	-	-	N/A	DESIGNED	J.L.C.	7/2025	
-	-	-		SURVEY	B.B.	11/2020	
-	-	-	PROFILE SCALES:	PROJ. MGR.			
-	-	-	HORIZONTAL:	LEAD ENGR.			
-	-	-	1" = 5'	FIELD MGR.			
-	-	-	VERTICAL:				
-	-	-	1" = 5'				
-	-	-	DRAWING: 4021 IOT2 XANTHUS AVE.CROSS SECTIONS.DWG				DESIGN MANAGER
-	-	-	ATLAS PAGE NO: 3, 14				DATE
-	-	-					SHEET XS13 OF XS29



Profile view of a proposed roadway. The vertical axis shows elevations from 710 to 730 feet. The horizontal axis shows stationing from -60 to 60. The proposed roadway profile is shown with grades of 4.48%, -2.75%, -2.48%, and -1.78%. The existing ground (F.G.) is shown as a dashed line. The proposed roadway is shown as a solid line. The existing ground elevation at station 0 is 728.67. The proposed roadway elevation at station 0 is 728.67. The existing ground elevation at station -30 is 728.67. The proposed roadway elevation at station -30 is 728.67. The existing ground elevation at station 60 is 728.67. The proposed roadway elevation at station 60 is 728.67. The existing ground elevation at station -60 is 728.67. The proposed roadway elevation at station -60 is 728.67. The existing ground elevation at station 0 is 728.67. The proposed roadway elevation at station 0 is 728.67. The existing ground elevation at station 60 is 728.67. The proposed roadway elevation at station 60 is 728.67. The existing ground elevation at station -60 is 728.67. The proposed roadway elevation at station -60 is 728.67.

Station	Elevation (ft)	Grade (%)	Notes
-60	728.67		Existing Ground (F.G.)
-30	728.67		Existing Ground (F.G.)
-15	728.67	4.48%	Proposed Roadway
0	728.67	-2.75%	Proposed Roadway
15	728.67	-2.48%	Proposed Roadway
30	728.67	-1.78%	Proposed Roadway
60	728.67		Existing Ground (F.G.)

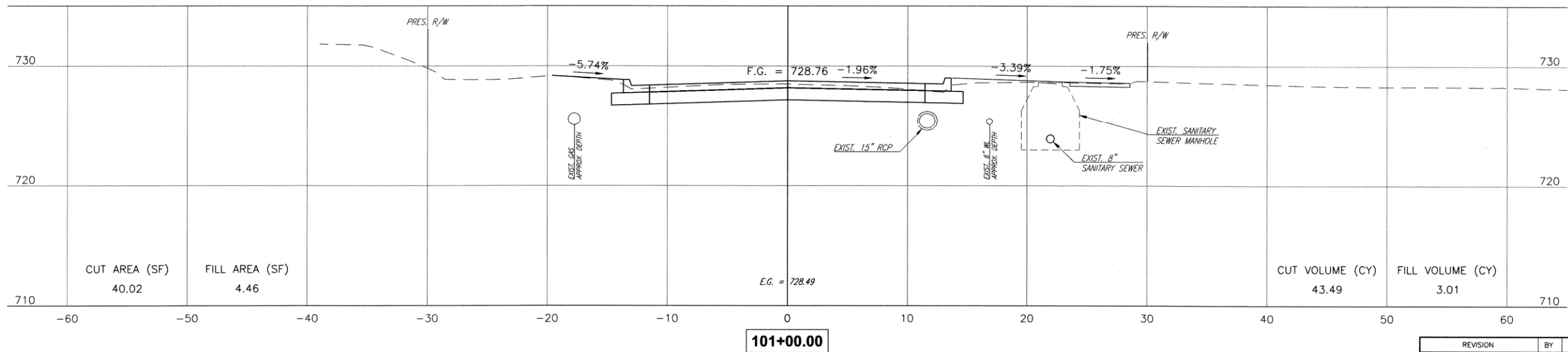
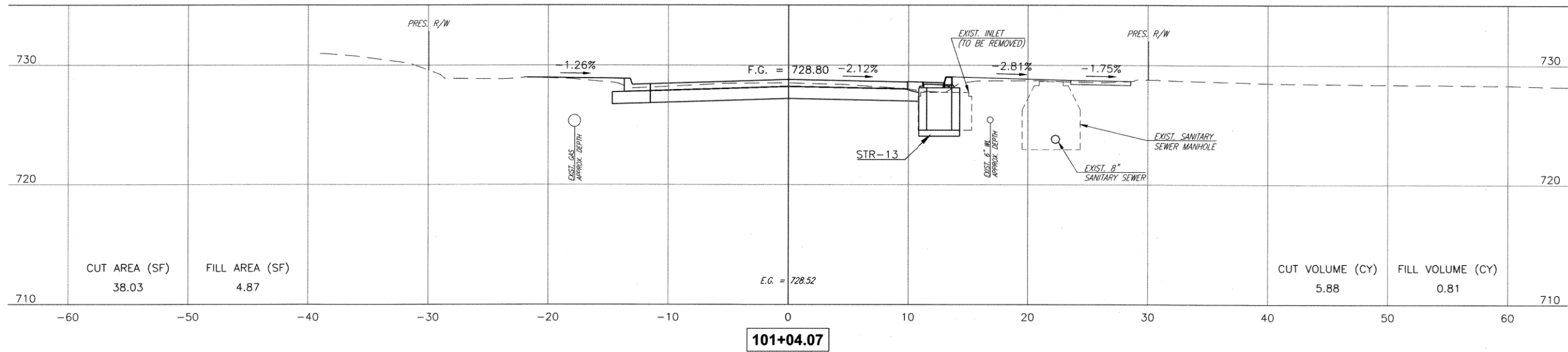
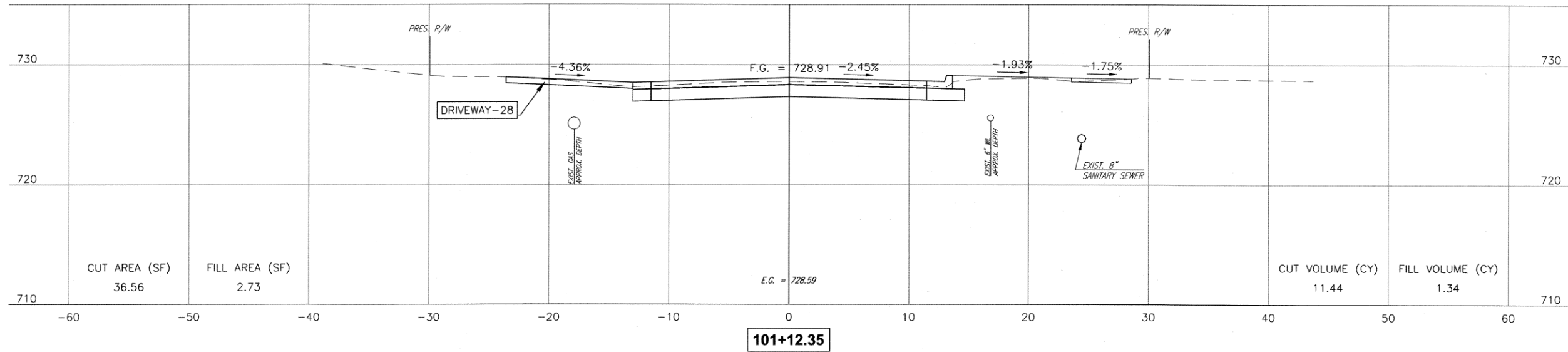
Additional features shown in the profile view include:

- EXIST. GAS APPROX. DEPTH (indicated by a circle and line at station -15)
- EXIST. 15" RCP (indicated by a circle and line at station 15)
- EXIST. 6" SANITARY SEWER (indicated by a circle and line at station 30)

REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C. 7/2025	APPROVED:
-	-	-	N/A	DESIGNED	J.L.C. 7/2025	
-	-	-		SURVEY	B.B. 11/2020	
-	-	-	PROFILE SCALES:	PROJ. MGR.		
-	-	-	HORIZONTAL:	LEAD ENGR.		
-	-	-	1" = 5'	FIELD MGR.		
-	-	-	VERTICAL			
-	-	-	1" = 5'			
-	-	-	DRAWING: 4021 IOT2 17TH PL.CROSS SECTIONS.DWG	DATE		
-	-	-	ATLAS PAGE NO: 3, 14	SHEET X515 OF X529		

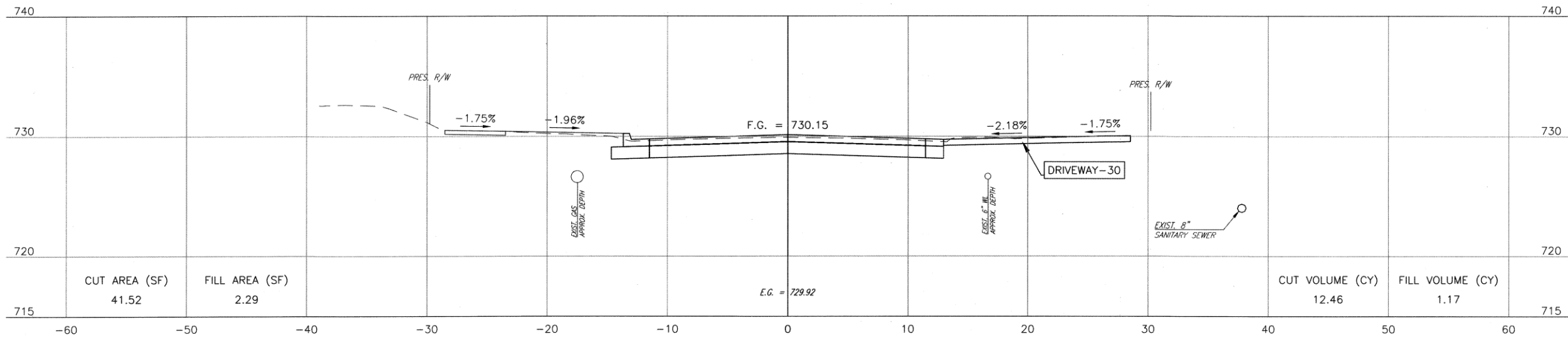


PLOT DATE: JULY 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021 IOT2\PRODUCTION DRAWINGS\4021 IOT2 17TH PL.CROSS SECTIONS.DWG

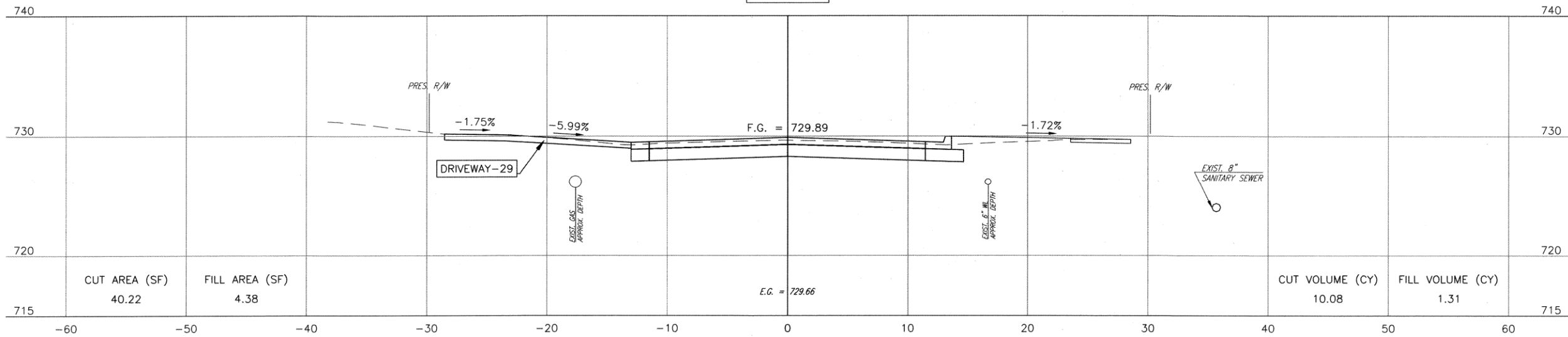


17TH PL. XS 2			
PROJECT NO. 2036N4021Z			
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT			
CEC Corporation 1300 S. Main Street Tulsa, OK 74137 (918) 663-9401			
REVISION	BY	DATE	APPROVED:
-	-	-	DESIGNED J.L.C. 7/2025
-	-	-	SURVEY B.B. 11/2020
PROFILE SCALES:			PROJ. MGR.
HORIZONTAL:			LEAD ENGR.
1" = 5'			FIELD MGR.
VERTICAL:			
1" = 5'			
DRAWING: 4021 IOT2 17TH PL.CROSS SECTIONS.DWG			DESIGN MANAGER
ATLAS PAGE NO: 3, 14			DATE
			SHEET XS16 OF XS29

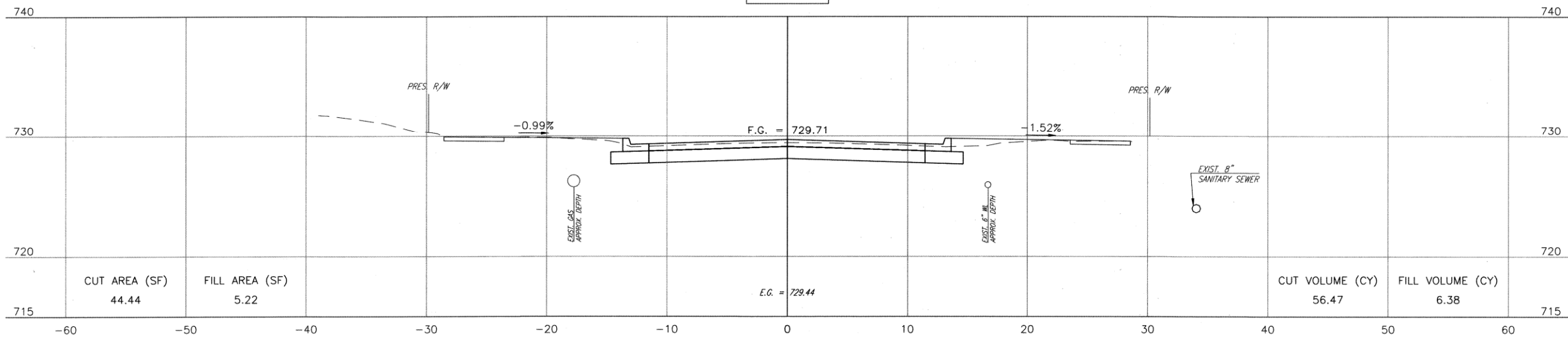
PLOT DATE: JULY 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021 IOT2\PRODUCTION DRAWINGS\4021 IOT2 17TH PL.CROSS SECTIONS.DWG



101+64.66



101+56.43



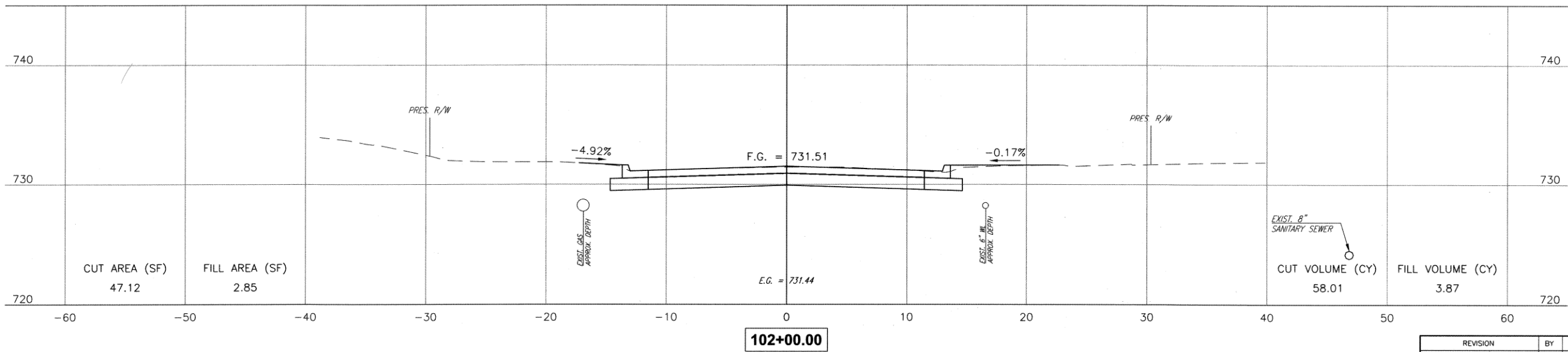
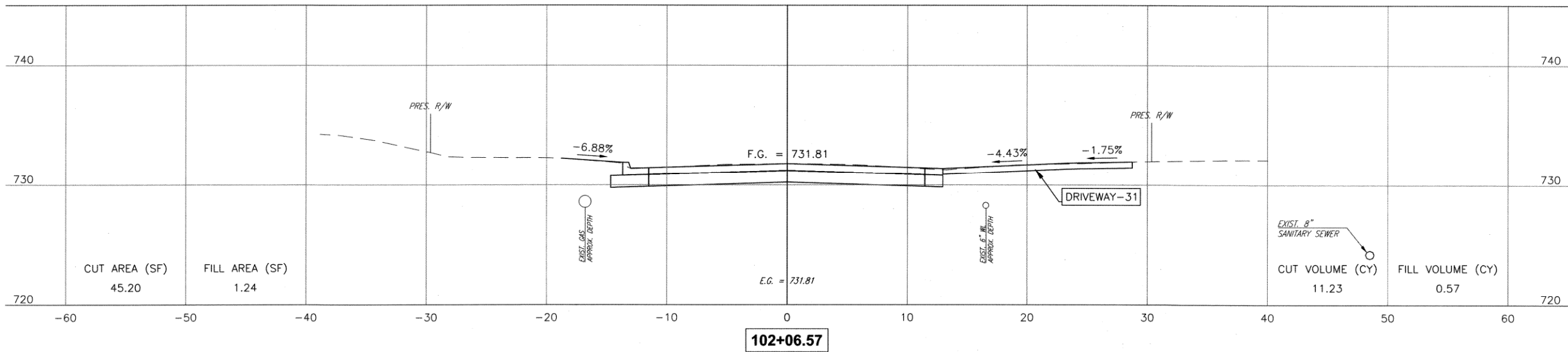
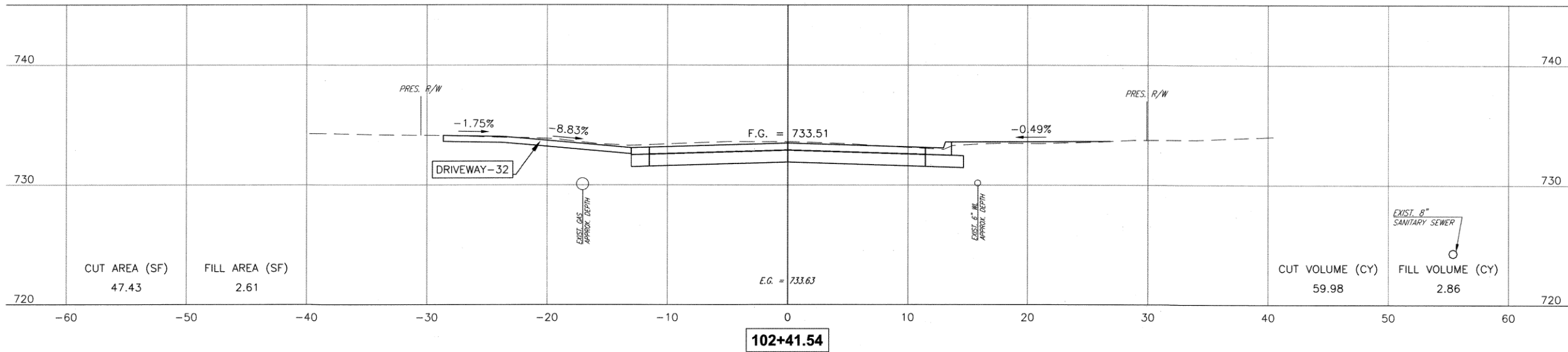
101+50.00



17TH PL. XS 3	
PROJECT NO. 2036N4021Z	
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021	
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT	
	CEC Corporation 1300 S. Main Street Tulsa, OK 74137 (918) 663-9401

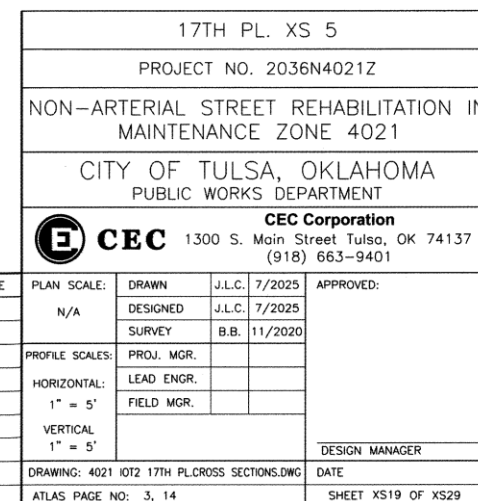
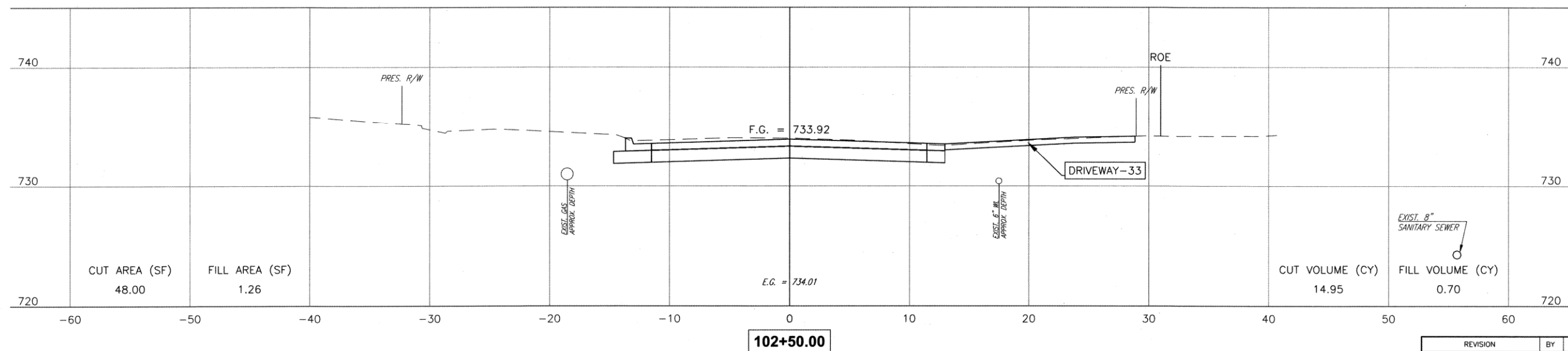
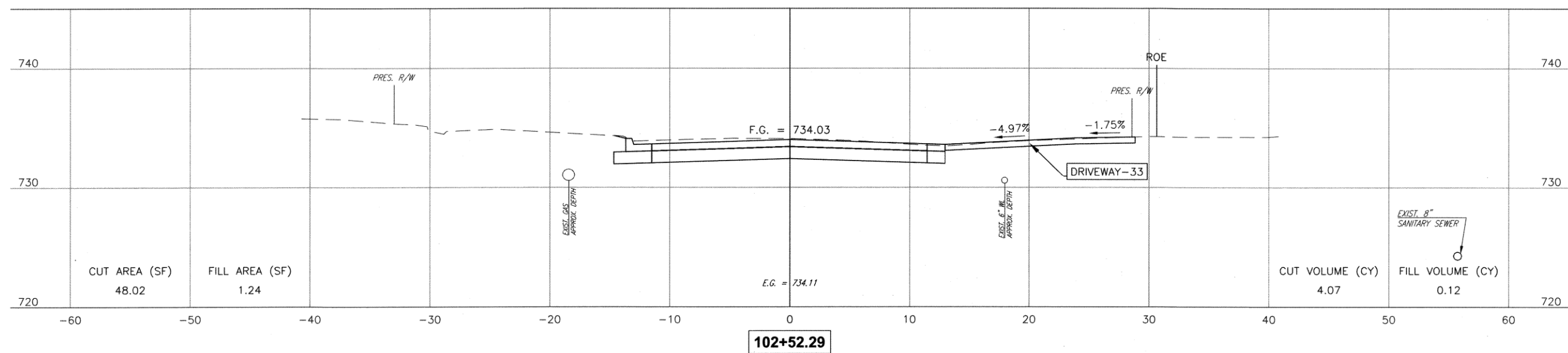
REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:
-	-	-	N/A	DESIGNED	J.L.C.	7/2025	
-	-	-		SURVEY	B.B.	11/2020	
			PROFILE SCALES:	PROJ. MGR.			
			HORIZONTAL:	LEAD ENGR.			
			1" = 5'	FIELD MGR.			
			VERTICAL:				
			1" = 5'				
			DRAWING: 4021 IOT2 17TH PL.CROSS SECTIONS.DWG	DESIGN MANAGER		DATE	
			ATLAS PAGE NO: 3, 14	SHEET XS17 OF XS29			

PLOT DATE: JULY 23, 2025. DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021 IOT2\PRODUCTION DRAWINGS\4021 IOT2 17TH PL.CROSS SECTIONS.DWG

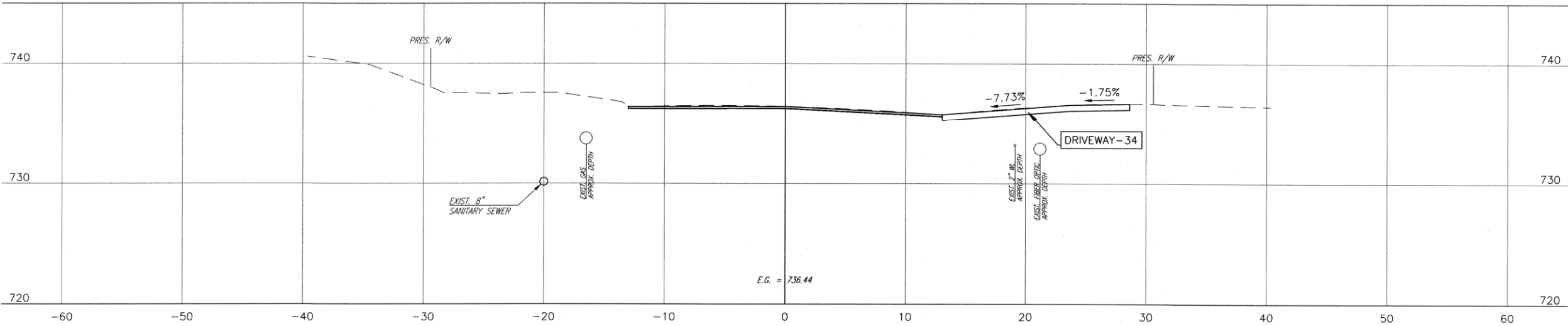


17TH PL. XS 4	
PROJECT NO. 2036N4021Z	
NON-ARTERIAL STREET REHABILITATION IN • MAINTENANCE ZONE 4021	
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT	
	CEC Corporation 1300 S. Main Street Tulsa, OK 74137 (918) 663-9401

REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:
-	-	-	N/A	DESIGNED	J.L.C.	7/2025	
-	-	-		SURVEY	B.B.	11/2020	
			PROFILE SCALES:	PROJ. MGR.			
			HORIZONTAL:	LEAD ENGR.			
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			1" = 5'				
			DRAWING: 4021 IOT2 17TH PL.CROSS SECTIONS.DWG			DATE	
			ATLAS PAGE NO: 3, 14			SHEET XS18 OF XS29	



PLOT DATE: July 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021 IOT2\PRODUCTION DRAWINGS\4021 IOT2 17TH PL.CROSS SECTIONS.DWG



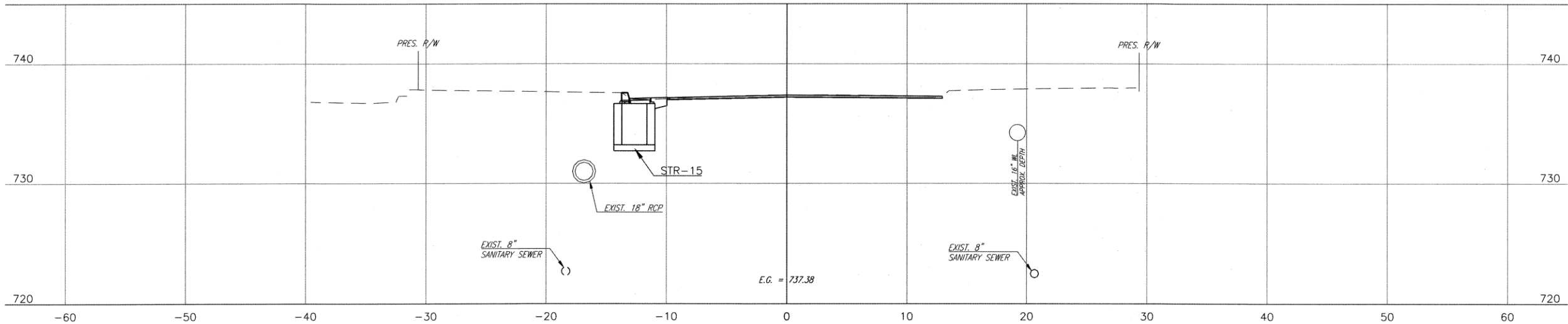
107+16.36



17TH PL. XS 6	
PROJECT NO. 2036N4021Z	
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021	
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT	
	CEC Corporation 1300 S. Main Street Tulsa, OK 74137 (918) 663-9401

REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:
-	-	-	N/A	DESIGNED	J.L.C.	7/2025	
-	-	-		SURVEY	B.B.	11/2020	
-	-	-	PROFILE SCALES:	PROJ. MGR.			
-	-	-	HORIZONTAL:	LEAD ENGR.			
-	-	-	1" = 5'	FIELD MGR.			
-	-	-	VERTICAL:				DESIGN MANAGER
-	-	-	1" = 5'				
-	-	-	DRAWING: 4021 IOT2 17TH PL.CROSS SECTIONS.DWG				DATE
-	-	-	ATLAS PAGE NO: 3, 14				SHEET XS20 OF XS29

PLOT DATE: JULY 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021 IOT2\PRODUCTION DRAWINGS\4021 IOT2 19TH ST.CROSS SECTIONS.DWG



122+76.13

REVISION	BY	DATE
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19TH ST. XS 1

PROJECT NO. 2036N4021Z

NON-ARTERIAL STREET REHABILITATION IN
MAINTENANCE ZONE 4021

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS DEPARTMENT

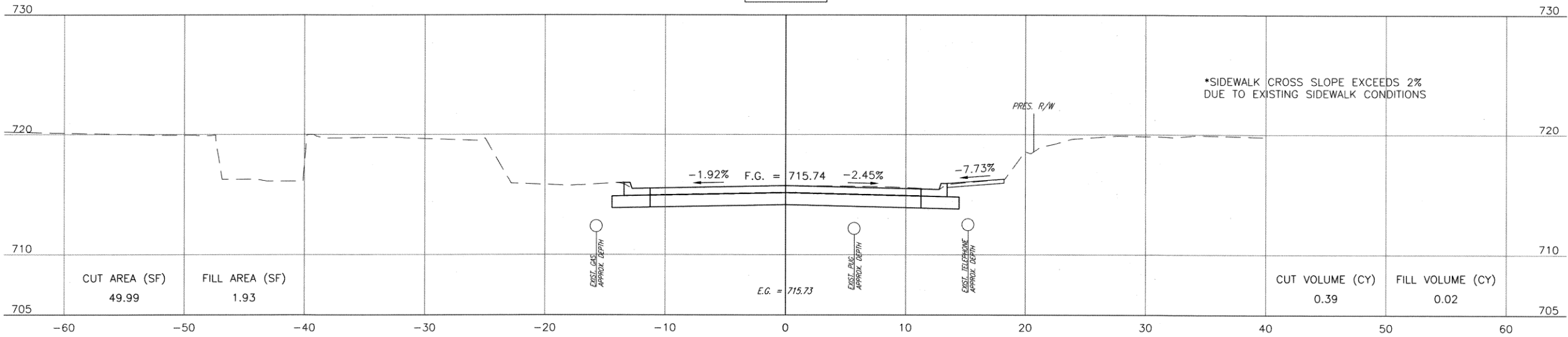
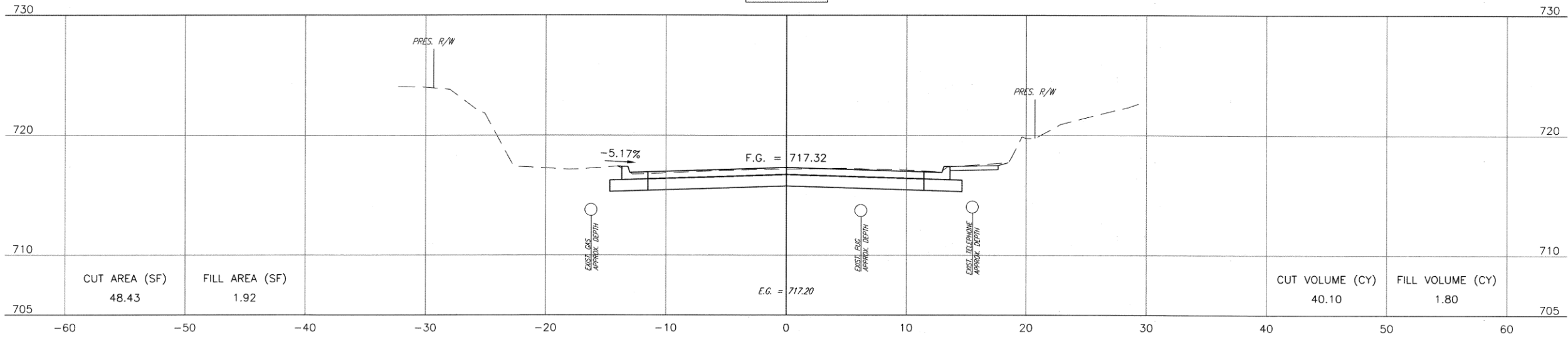
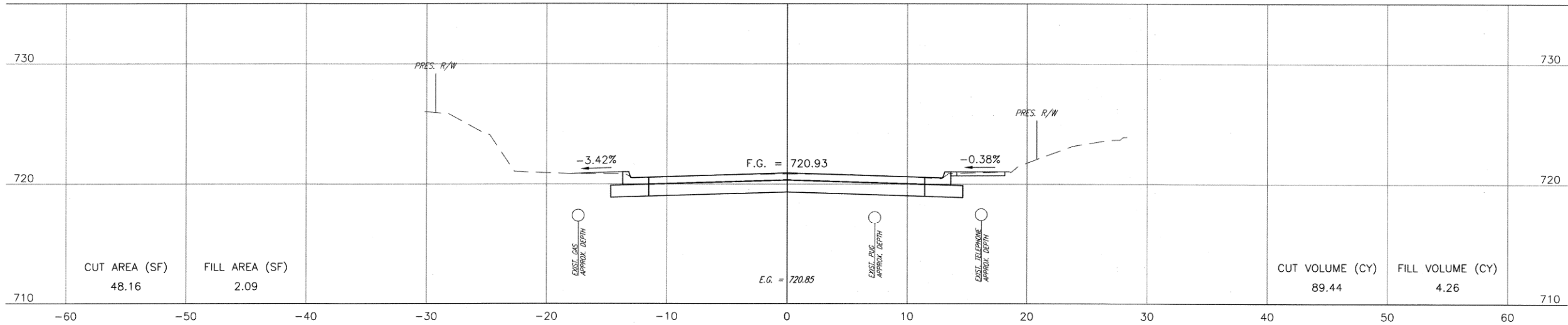
CEC

CEC Corporation
1300 S. Main Street Tulsa, OK 74137
(918) 663-9401

PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:
N/A	DESIGNED	J.L.C.	7/2025	
	SURVEY	B.B.	11/2020	
PROFILE SCALES:	PROJ. MGR.			
HORIZONTAL:	LEAD ENGR.			DESIGN MANAGER
1" = 5'	FIELD MGR.			
VERTICAL				
1" = 5'				DATE
DRAWING: 4021 IOT2 19TH ST.CROSS SECTIONS.DWG				SHEET XS21 OF XS29
ATLAS PAGE NO: 3, 14				



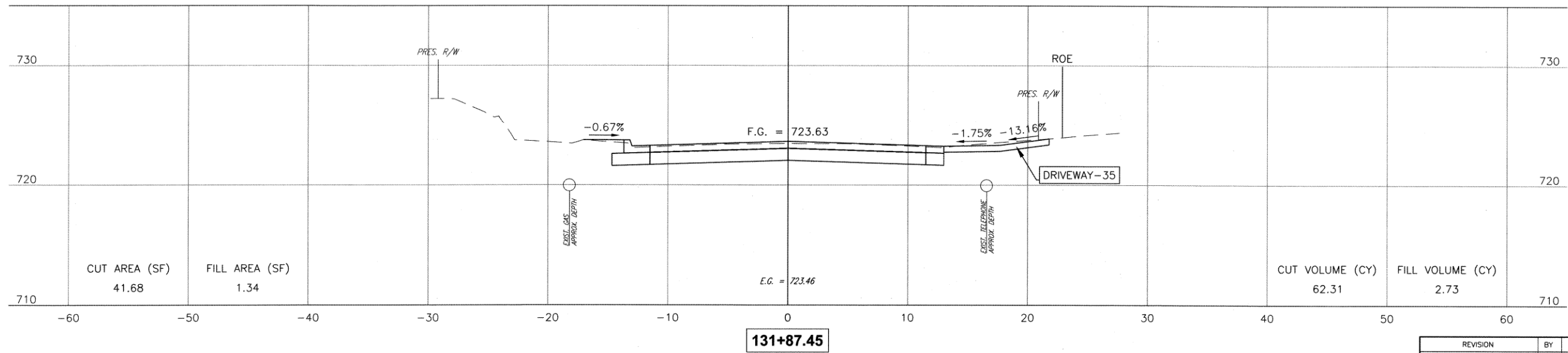
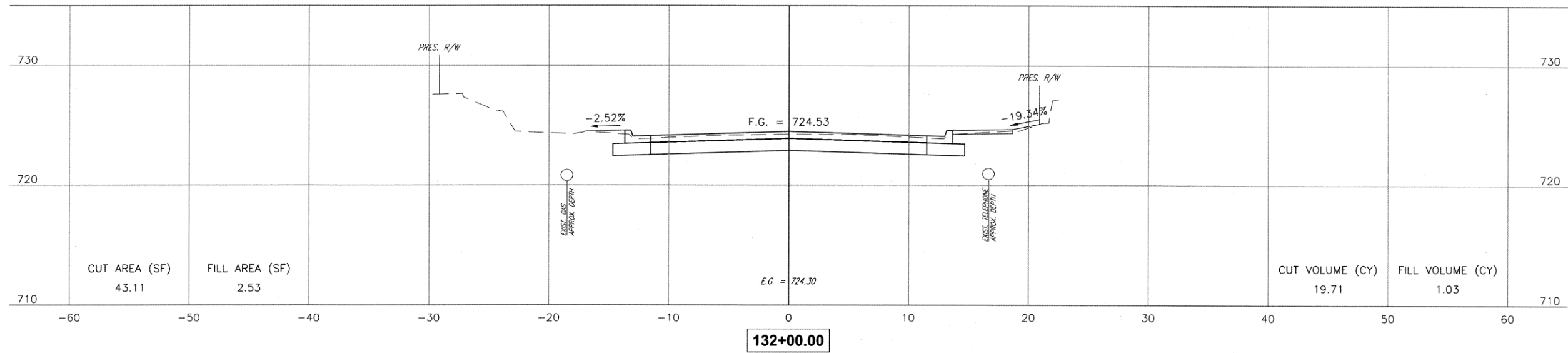
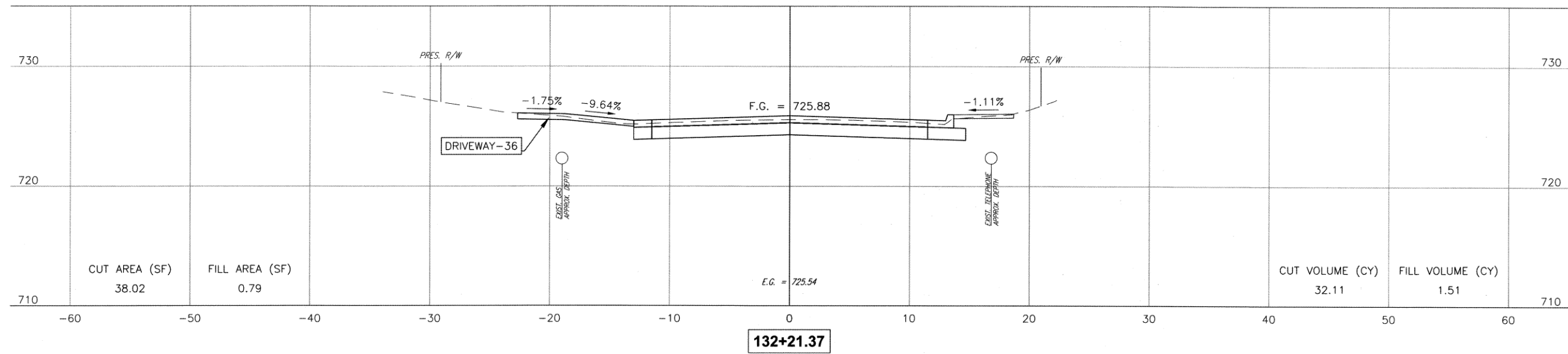
PLOT DATE: JULY 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021 IOT2\PRODUCTION DRAWINGS\4021 IOT2 19TH ST.CROSS SECTIONS.DWG



19TH ST. XS 2	
PROJECT NO. 2036N4021Z	
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021	
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT	
 CEC Corporation 1300 S. Main Street Tulsa, OK 74137 (918) 663-9401	

REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:
-	-	-	N/A	DESIGNED	J.L.C.	7/2025	
-	-	-		SURVEY	B.B.	11/2020	
-	-	-	PROFILE SCALES:	PROJ. MGR.			
-	-	-	HORIZONTAL:	LEAD ENGR.			
-	-	-	1" = 5'	FIELD MGR.			
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-	-	-	1" = 5'				
-	-	-	DRAWING: 4021 IOT2 19TH ST.CROSS SECTIONS.DWG				
-	-	-	ATLAS PAGE NO: 3, 14				DATE
-	-	-					SHEET XS22 OF XS29

PLOT DATE: JULY 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021 IOT2\PRODUCTION DRAWINGS\4021 IOT2 19TH ST.CROSS SECTIONS.DWG



19TH ST. XS 3	
PROJECT NO. 2036N4021Z	
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021	
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT	
CEC Corporation 1300 S. Main Street Tulsa, OK 74137 (918) 663-9401	

REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:
-	-	-	N/A	DESIGNED	J.L.C.	7/2025	
-	-	-		SURVEY	B.B.	11/2020	
-	-	-	PROFILE SCALES:	PROJ. MGR.			
-	-	-	HORIZONTAL:	LEAD ENGR.			
-	-	-	1" = 5'	FIELD MGR.			DESIGN MANAGER
-	-	-	VERTICAL				
-	-	-	1" = 5'				DATE
-	-	-	DRAWING: 4021 IOT2 19TH ST.CROSS SECTIONS.DWG				
-	-	-	ATLAS PAGE NO: 3, 14				SHEET XS23 OF XS29

Profile view of a road section. The vertical axis shows elevation in feet (715 to 740). The horizontal axis shows stationing from -60 to 60. The profile includes a dashed line for the existing ground (E.G.) and a solid line for the finished ground (F.G.). The F.G. has a grade of -1.75% from station -20 to -10, and a grade of 15.81% from station -10 to 10. The F.G. elevation at station 0 is 728.56. The E.G. elevation at station 0 is 728.83. The profile shows a cut area of 54.72 SF and a fill area of 1.24 SF. The cut volume is 36.50 CY and the fill volume is 0.98 CY. The profile also shows a driveway at station -38, a gas meter at station -20, and a telephone at station 15. The profile is labeled with 'PRES. R/W' at stations -30 and 30.

Station	Elevation (ft)	Feature
-30	728.56	PRES. R/W
-20	728.56	DRIVEWAY - 38
-20	728.83	GAS METER
0	728.56	F.G. = 728.56
0	728.83	E.G. = 728.83
15	728.56	TELEPHONE
30	728.56	PRES. R/W

Area	Volume
CUT AREA (SF)	54.72
FILL AREA (SF)	1.24
CUT VOLUME (CY)	36.50
FILL VOLUME (CY)	0.98

Profile view of a proposed roadway. The vertical axis shows elevation in feet (715 to 740). The horizontal axis shows stationing from -60 to 60. The profile includes a dashed line for the existing ground (F.G. = 728.07) and a solid line for the proposed roadway grade (P.G. = 728.21). Key features include a 'PRES. R/W' (Proposed Right of Way) line, a 'DRIVEWAY-37' crossing, and a 'EXIST. TELEPHONE' line. The profile also shows 'EXIST. GAS' and 'EXIST. SANITARY SEWER' lines. The cross-section data is provided in the table below.

CUT AREA (SF)	FILL AREA (SF)	CUT VOLUME (CY)	FILL VOLUME (CY)
51.60	1.24	39.61	1.44

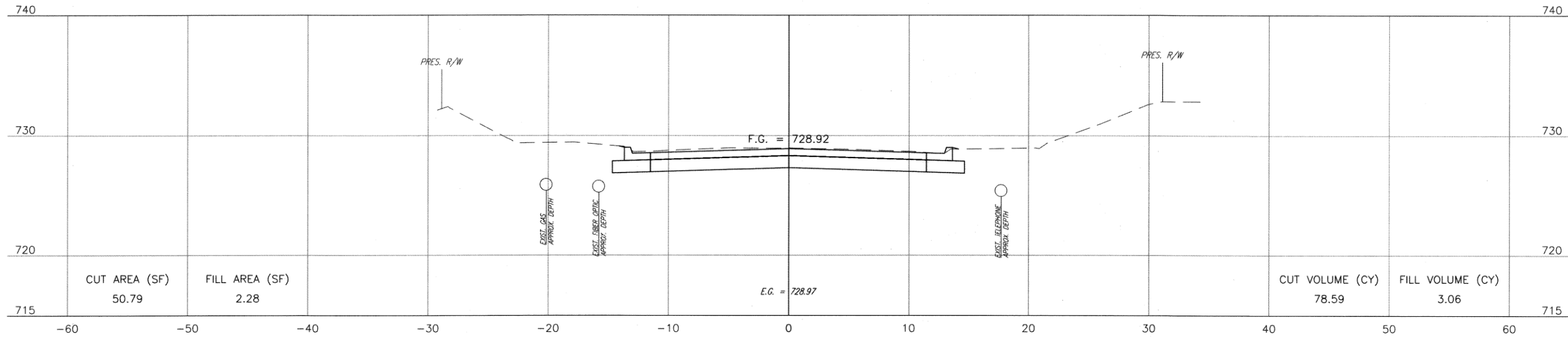
Profile view of a proposed road section. The vertical axis shows elevations from 715 to 740 feet. The horizontal axis shows stationing from -60 to 60. The existing ground (E.G.) is shown as a dashed line, and the proposed road (F.G.) is shown as a solid line. The road has a centerline elevation of 727.31 feet. The grades are -1.06% and -1.75%. The road is flanked by existing ground with a 33.53% slope. The road is flanked by existing ground with a 33.53% slope. The road is flanked by existing ground with a 33.53% slope.

Station	CUT AREA (SF)	FILL AREA (SF)	CUT VOLUME (CY)	FILL VOLUME (CY)
-60	52.88	2.06	48.20	1.74

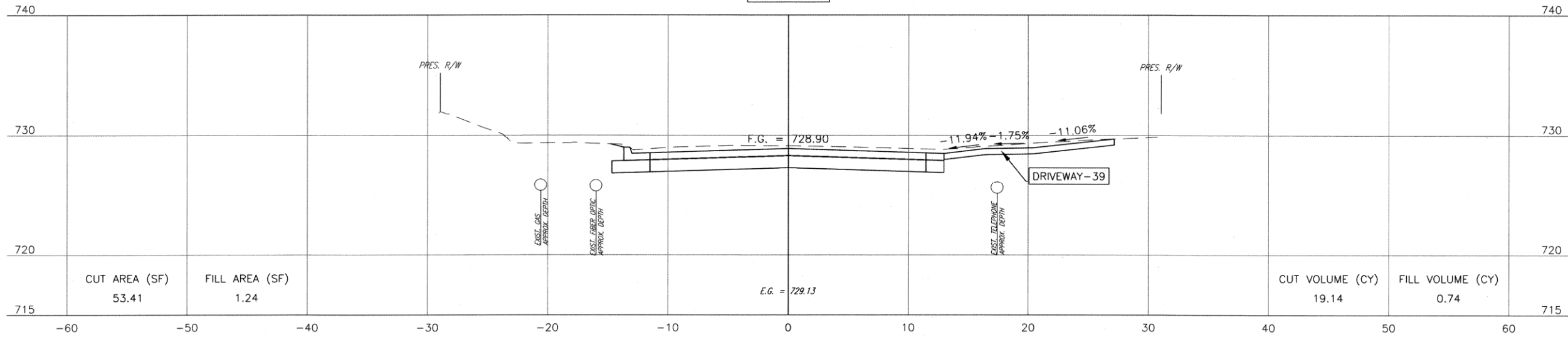
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-	-	-		SURVEY	B.B. 11/2020		
-	-	-	PROFILE SCALES:	PROJ. MGR.			
-	-	-	HORIZONTAL:	LEAD ENGR.			
-	-	-	1" = 5'	FIELD MGR.			
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-	-	-	1" = 5'				
-	-	-	DRAWING: 4021 IOT2 19TH ST.CROSS SECTIONS.DWG				DATE
-	-	-	ATLAS PAGE NO: 3, 14				SHEET XS24 OF XS29



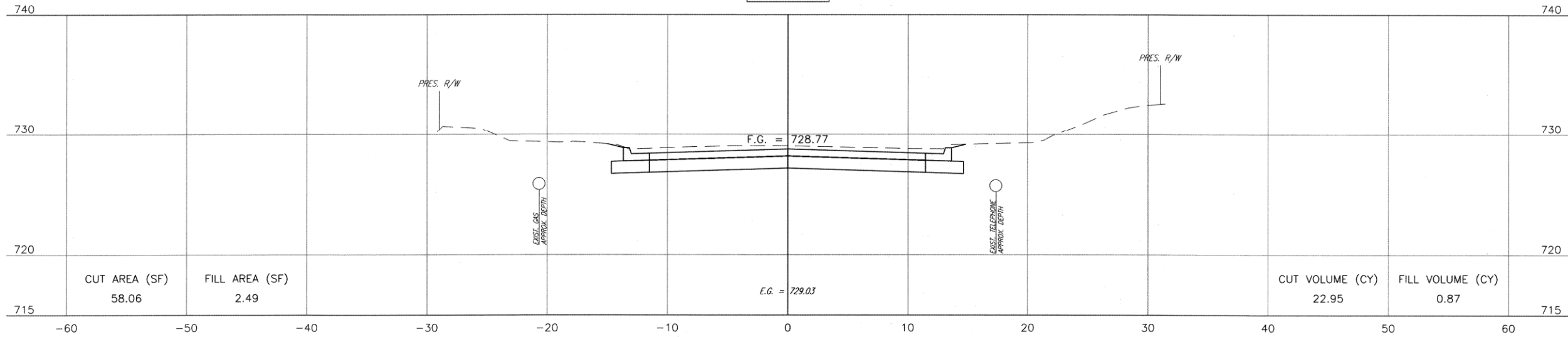
PLOT DATE: JULY 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021 IOT2\PRODUCTION DRAWINGS\4021 IOT2 19TH ST CROSS SECTIONS.DWG



133+50.00



133+09.27



133+00.00



19TH ST. XS 5			
PROJECT NO. 2036N4021Z			
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT			
 CEC		1300 S. Main Street Tulsa, OK 74137 (918) 663-9401	
PLAN SCALE:		DRAWN	J.L.C. 7/2025
N/A		DESIGNED	J.L.C. 7/2025
		SURVEY	B.B. 11/2020
PROFILE SCALES:		PROJ. MGR.	
HORIZONTAL:		LEAD ENGR.	
1" = 5'		FIELD MGR.	
VERTICAL			
1" = 5'		DESIGN MANAGER _____	
DRAWING: 4021 IOT2 19TH ST.CROSS SECTIONS.DWG			DATE
ATLAS PAGE NO: 3, 14			SHEET XS25 OF XS29

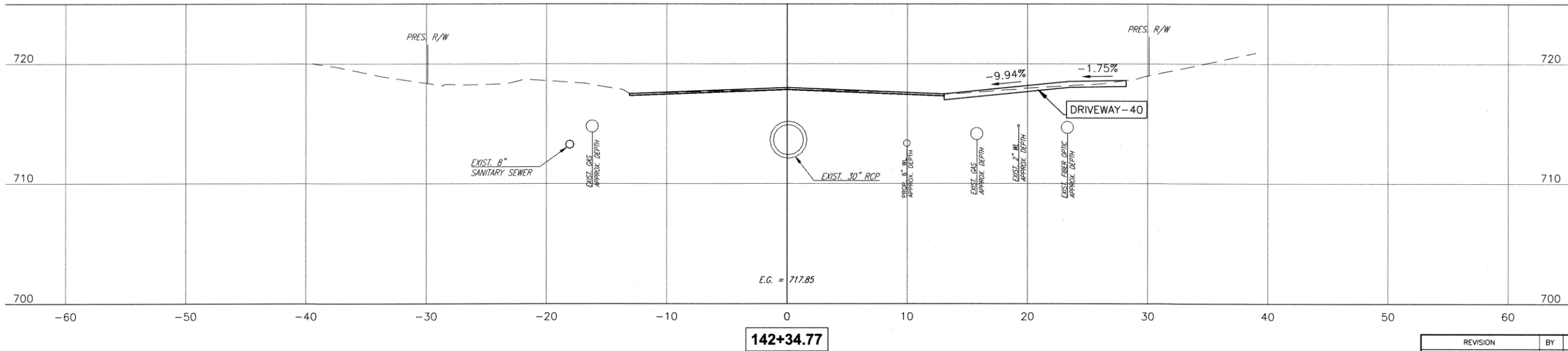
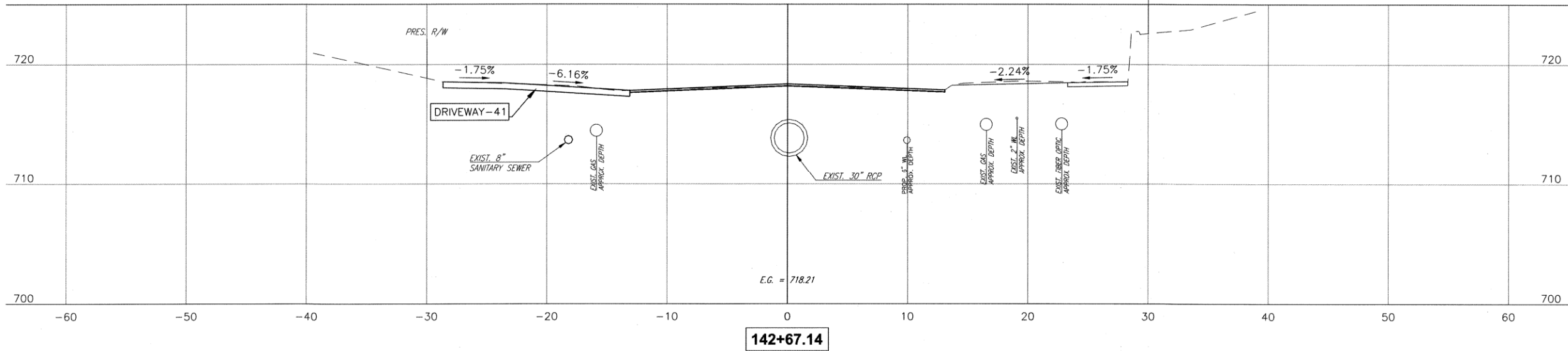
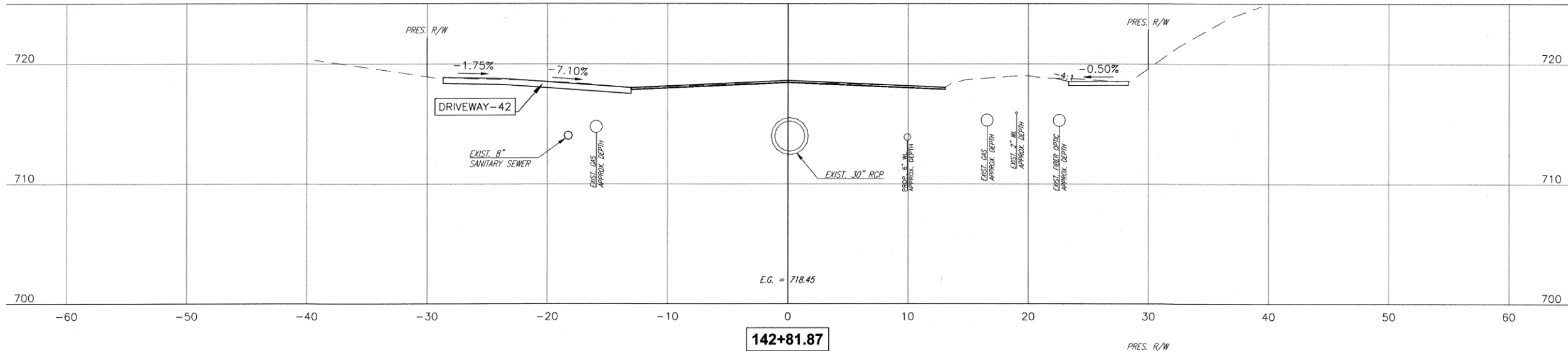
REVISION	BY	DATE
1	J.L.C.	7/2025
2	B.B.	11/2020
3		
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8		
9		
10		

Profile view of a proposed road section. The vertical axis shows elevations from 715 to 740 feet. The horizontal axis shows stationing from -60 to 60. The profile includes a dashed line for the proposed road grade (P.G.) and a solid line for the existing ground (E.G.). The P.G. has grades of -2.49% and -2.87%. The E.G. is at an elevation of 728.36. The profile shows a cut area of 48.11 SF and a fill area of 2.20 SF. The cut volume is 59.96 CY and the fill volume is 3.12 CY. The profile also shows the proposed right-of-way (P.R.W.) and the existing right-of-way (E.R.W.).

Station	Elevation (ft)	Grade (%)	Area (SF)	Volume (CY)
-60	715			
-50	720			
-40	725			
-30	730			
-20	735			
-10	740			
0	728.36	-2.49%	48.11	59.96
10	728.36	-2.87%	2.20	3.12
20	728.36			
30	728.36			
40	728.36			
50	728.36			
60	728.36			

REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:	
-	-	-	N/A	DESIGNED	J.L.C.	7/2025		
-	-	-		SURVEY	B.B.	11/2020		
-	-	-	PROFILE SCALES:	PROJ. MGR.				
-	-	-	HORIZONTAL:	LEAD ENGR.				
-	-	-	1" = 5'	FIELD MGR.				
-	-	-	VERTICAL					
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-	-	-	DRAWING: 4021 IOT2 19TH ST.CROSS SECTIONS.DWG					DESIGN MANAGER
-	-	-	ATLAS PAGE NO: 3, 14					SHEET XS26 OF XS29

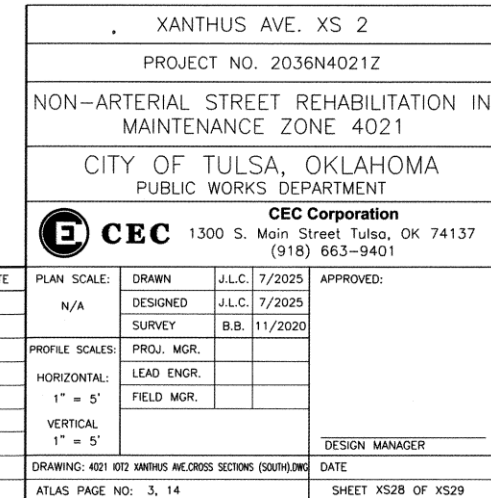
PLOT DATE: JULY 23, 2025, DRAWING FILE: N:\PRODUCTION\MUNICIPAL\PROJECTS\TPWD - 4021 IOT2\PRODUCTION DRAWINGS\4021 IOT2 XANTHUS AVE CROSS SECTIONS (SOUTH).DWG



XANTHUS AVE. XS 1	
PROJECT NO. 2036N4021Z	
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021	
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT	
 CEC	CEC Corporation 1300 S. Main Street Tulsa, OK 74137 (918) 663-9401

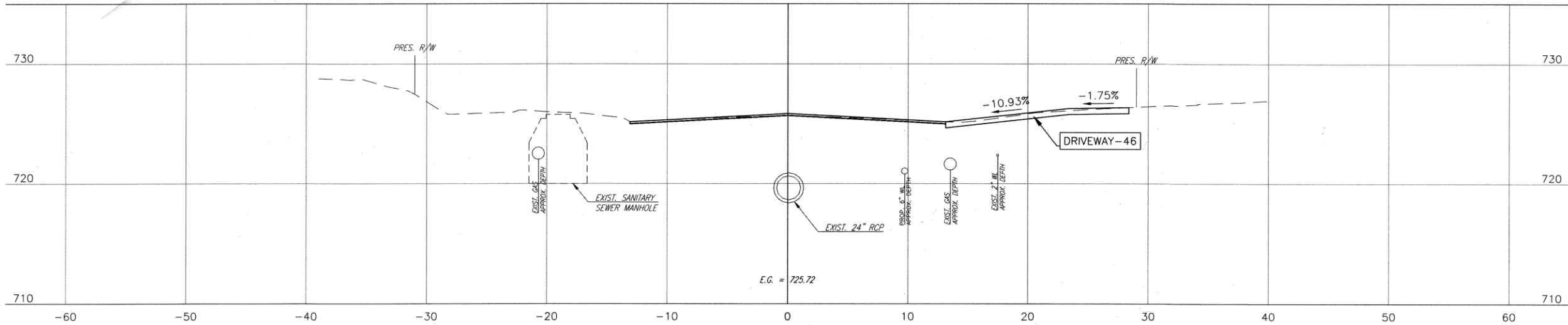
REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:
-	-	-	N/A	DESIGNED	J.L.C.	7/2025	
-	-	-		SURVEY	B.B.	11/2020	
-	-	-	PROFILE SCALES:	PROJ. MGR.			
-	-	-	HORIZONTAL:	LEAD ENGR.			
-	-	-	1" = 5'	FIELD MGR.			DESIGN MANAGER
-	-	-	VERTICAL				
-	-	-	1" = 5'				
-	-	-	DRAWING: 4021 IOT2 XANTHUS AVE CROSS SECTIONS (SOUTH).DWG				DATE
-	-	-	ATLAS PAGE NO: 3, 14				SHEET XS27 OF XS29

Profile view of the proposed driveway. The vertical axis shows elevations from 705 to 730. The horizontal axis shows stationing from -60 to 60. The profile includes a proposed driveway with grades of -1.75%, 2.96%, -6.44%, and -1.75%. Existing utilities shown include an 8" sanitary sewer, a 30" RCP, and various gas lines. The driveway is labeled "DRIVEWAY-43". The existing ground elevation is noted as E.G. = 718.91.

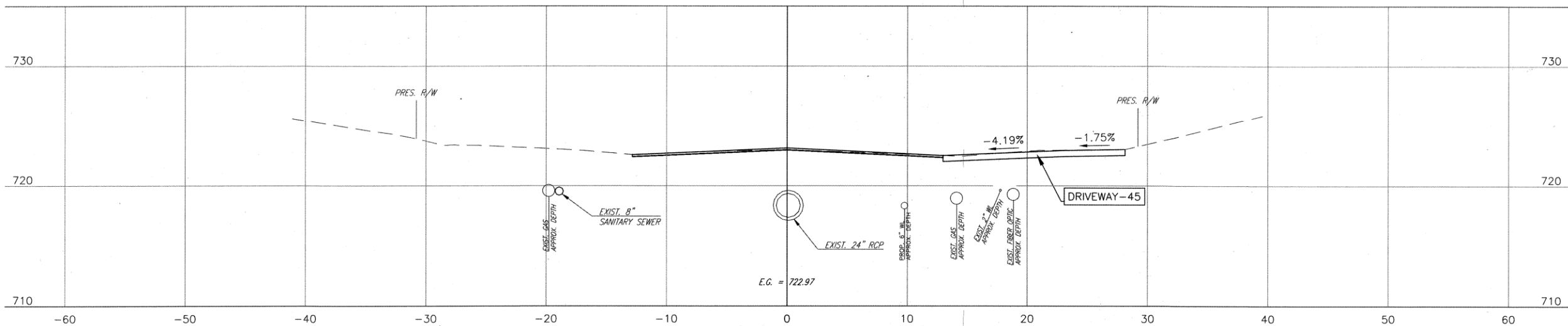
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REVISION	BY	DATE	PLAN SCALE:	DRAWN	J.L.C.	7/2025	APPROVED:
-	-	-	N/A	DESIGNED	J.L.C.	7/2025	
-	-	-		SURVEY	B.B.	11/2020	
-	-	-	PROFILE SCALES:	PROJ. MGR.			
-	-	-	HORIZONTAL:	LEAD ENGR.			
-	-	-	1" = 5'	FIELD MGR.			
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			ATLAS PAGE NO: 3, 14	SHEET XS28 OF XS29			

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145+76.38



145+19.51



XANTHUS AVE. XS 3			
PROJECT NO. 2036N4021Z			
NON-ARTERIAL STREET REHABILITATION IN MAINTENANCE ZONE 4021			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT			
CEC Corporation 1300 S. Main Street Tulsa, OK 74137 (918) 663-9401			
REVISION		BY	DATE
N/A			
PLAN SCALE:		DRAWN	J.L.C. 7/2025
		DESIGNED	J.L.C. 7/2025
		SURVEY	B.B. 11/2020
PROFILE SCALES:		PROJ. MGR.	
HORIZONTAL:		LEAD ENGR.	
1" = 5'		FIELD MGR.	
VERTICAL:			
1" = 5'			
DRAWING: 4021 IOT2 XANTHUS AVE CROSS SECTIONS (SOUTH).DWG		DATE	
ATLAS PAGE NO: 3, 14		SHEET XS29 OF XS29	