

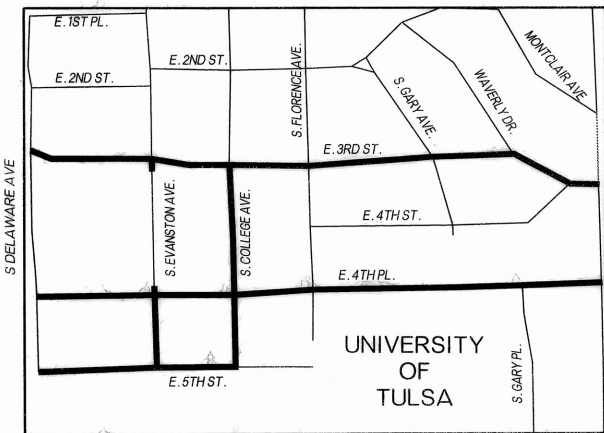
LEGEND OF SYMBOLS

	EXISTING MANHOLE		EXISTING FENCES
	EXISTING CURB INLET		EXISTING GUARD RAIL
	PROPOSED CURB INLET		EXISTING ROADS, DRIVEWAYS, PARKING, AND SIDEWALKS
	EXISTING FIRE HYDRANT		C.R.L.
	EXISTING WATER VALVE		PROPERTY LINE
	EXISTING WATER METER		RIGHT-OF-WAY LINES-EXISTING
	EXISTING GAS VALVE		EXISTING AERIAL POWER LINES
	GAS METER/GAS RISER		EXISTING UNDERGROUND POWER LINES
	STREET LIGHT		EXISTING SANITARY SEWERS
	POWER POLE		EXISTING WATER LINES
	GUY ANCHOR		EXISTING STORM SEWER
	EXISTING HANDICAP RAMP		
	TRAFFIC SIGNAL PULLBOX		
	POWER BOX (IN GROUND)		
	POWER RISER		
	TELEPHONE RISER		
	SIGN		
	MAILBOX		
	CONTROL POINT		
	SOIL BORINGS		
	TREE		
	GATE		

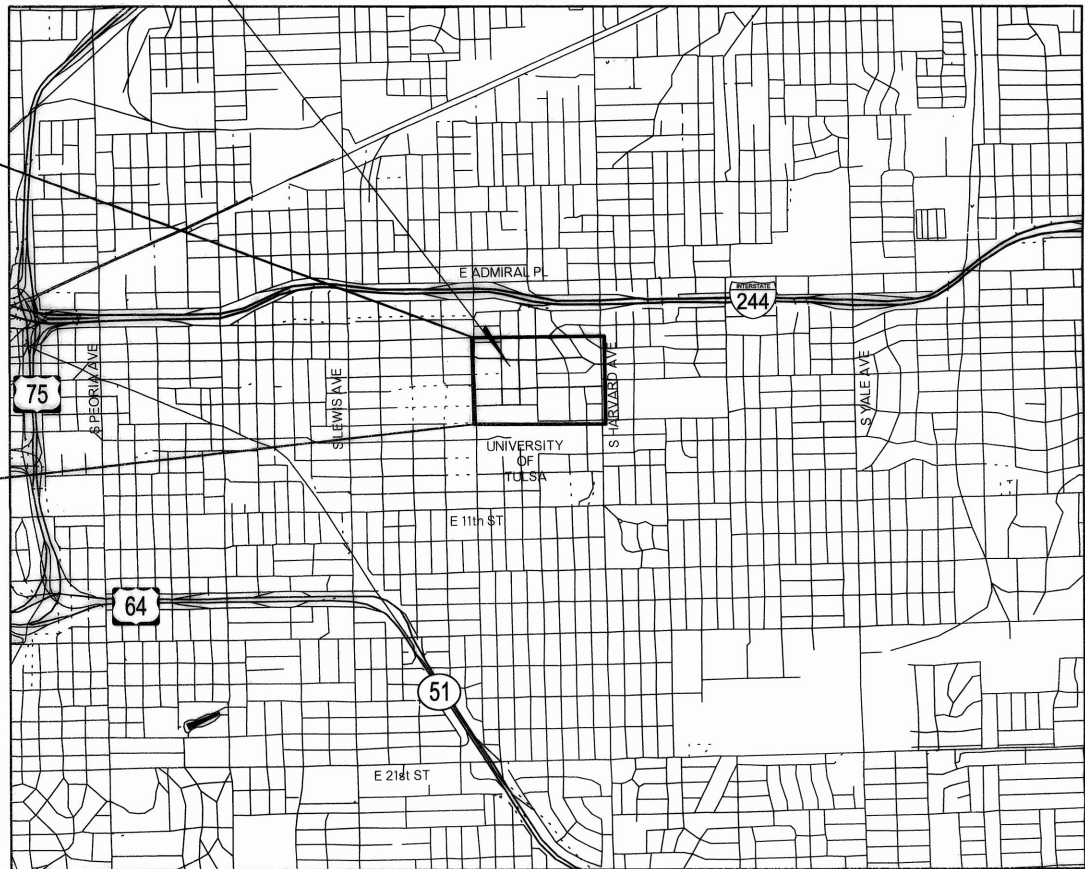
UTILITY CONTACTS

AT&T	ALFORD NICHOLS	539-444-1069
COX COMM.	JASON HOLT	918-830-7238
ONG	CODY YOST	918-352-5745
AEP/PSO	LONNY HICKS	918-250-6211
CITY OF TULSA	TONY GLYNN	918-596-9245
UTILITY COORDINATOR		
METROLINK	ERIC SMITH	918-830-0024

DESIGN SPEED 30 MPH (3RD ST)  
DESIGN SPEED 25 MPH (TU CAMPUS, ALL OTHERS)  
2.8 LN-MI REHABILITATION



PROJECT AREA



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

CONTROL SURVEY DATA

PERMANENT BENCHMARK REFERENCES:

ADS #505 - 5/8" REBAR-1 1/2" ALUMINUM CAP-FLUSH- STAMPED "505",  
SET N.E. OF THE INTERSECTION OF ADMIRAL PL. AND HARVARD AVE.  
N=429041.730  
E=2576561.413  
ELEV.=725.034'

ADS #41 - 3" BRASS CAP SET FLUSH IN CONCRETE POST, SOUTH OF THE  
INTERSECTION OF E. 21ST ST. AND S. HUDSON AVE.  
N= 419164.654  
E=2584743.803  
ELEV.=768.359'

1. HORIZONTAL CONTROL:

- A. HORIZONTAL CONTROL FOR THIS SURVEY IS THE NAVD 88 (2011) OKLAHOMA STATE PLANE  
COORDINATE SYSTEM NORTH ZONE.  
B. ACCURACY - 3RD ORDER OR BETTER.

2. BEARINGS:

THE BEARINGS SHOWN HEREIN OR HEREON ARE "GRID" BEARINGS DERIVED FROM NGS  
OKLAHOMA STATE PLANE COORDINATE SYSTEM AND ARE NOT ASTRONOMICAL.

3. VERTICAL CONTROL:

- A. LEVEL DATUM IS MEAN SEA LEVEL DATUM OF (NGS) NAVD 1988.  
B. ACCURACY - 3RD ORDER OR BETTER.

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

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

CITY OF TULSA, OKLAHOMA  
CONSTRUCTION PLANS FOR  
NON-ARTERIAL STREET MAINTENANCE AND WATER  
LINE REPLACEMENT AT VARIOUS LOCATIONS IN  
MAINTENANCE ZONE 4014

PROJECT 2036N4014Z & TMUA-W 20-14

ACCOUNT NO. 4281.42813122-541106

PUBLIC WORKS DEPARTMENT

TULSA, OKLAHOMA

INDEX OF SHEETS

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THE FOLLOWING CITY OF TULSA STANDARD DRAWINGS WILL BE USED FOR THIS PROJECT:

102	401	731
126	501	751
304A	505	752
305	608A	753
309	608B	754
311	625	755
313	701	764
315	702	764
316	706	766
317	707	767
318	713	775
319	725	790
320	726	
321	731	

THE FOLLOWING ODOT STANDARD DRAWINGS WILL BE USED FOR THIS PROJECT:

TESCA-0	TCS6-1-02
IPD-0	TCS7-1-02
SSS-2-1	TCS8-1-00
TWD-2-2	TCS9-1-01
PM1-1-03	TCS11-1-01
TCS1-1-01	TCS12-1-00
TCS2-1-00	TCS14-1-00
TCS3-1-01	TCS19-1-01
TCS4-1-01	TCS20-1-00
TCS5-1-00	TCS21-1-02

APPROVED BY

CITY ENGINEER

7/23/2025  
DATE

WATER AND SEWER DIRECTOR

DATE

ADVERTISEMENT DATE:

PREPARED AND SUBMITTED BY



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



Remington S. Maddox  
REGISTERED P.E. NO. 29211

6-18-25  
DATE

Sht. No. 1 of 56

CERTIFICATE OF AUTHORIZATION NO. CA 541 P.E., L.S. EXPIRATION DATE 6-30-25



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SUMMARY OF PAVING & DRAINAGE QUANTITIES					
ITEM	SPEC. NO.	DESCRIPTION	PAY ITEM NOTES	UNIT	QUANTITY
1	202(A)	UNCLASSIFIED EXCAVATION	E-3, 4, R-1	CY	1,400
2	220	SWPPP DOCUMENTATION AND MANAGEMENT	E-6, 7, 8	LS	1
3	230(A)	SOLID SLAB SODDING	E-10, 11	SY	2,502
4	303(A)	AGGREGATE BASE TYPE A	S-1, 2	CY	1,400
5	310(B)	SUBGRADE METHOD B		SY	4,357
6	325	SEPARATOR FABRIC	S-3	SY	4,967
7	409	FABRIC REINFORCEMENT (TENSAR-GP25)	S-4	SY	24,500
8	411(C)	SUPERPAVE, TYPE S4 (PG 64-22) INSOLUBLE	S-5, 6, 7, 8, 23	TON	2,818
9	411(D)	SUPERPAVE, TYPE S6 (PG 64-22)	S-5, 6, 7, 8, 23, G-1	TON	704
10	412	COLD MILL PAVEMENT	S-9	SY	24,500
11	609(B)	COMBINED CURB AND GUTTER (6" BARRIER)	S-12, 13, 15, 16, 22, 23	LF	4,121
12	610(A)	CONCRETE SIDEWALK (4")	S-12, 13, 16, 17	SY	1,090
13	610(B)	CONCRETE DRIVEWAY (6"-H.E.S.)	S-12, 13, 16, 17, 22, 23	SY	382
14	610(I)	TACTILE WARNING DEVICE - NEW		SF	506
15	611(A)	SPECIAL MANHOLE	D-5	EA	1
16	611(G)	INLET, CICI DESIGN NO. 2(STD), COMPLETE IN PLACE	D-2, 3, 7, 8, 9, 10, 11	EA	16
17	611(G)	PVC INLET, CICI DESIGN NO. 2(STD), COMPLETE IN PLACE	S-12, R-2, D-2, 6, 7, 9,	EA	1
18	612(A)	MANHOLE ADJUSTED TO GRADE (PUBLIC)	S-12, R-2, D-1, 2, 6	EA	15
19	612(C)	INLET ADJUSTED TO GRADE	S-12, R-2, D-2, 6, 7, 9	EA	4
20	612(E)	VALVE BOX ADJUSTED TO GRADE	S-12, R-2, D-6	EA	17
21	613(A)	18" R.C.PIPE CLASS III	D-12, 13	LF	379
22	619(B)	REMOVAL OF CURB AND GUTTER	R-1, 2, 5, 6	LF	4,121
23	619(B)	REMOVAL OF SIDEWALK	R-1, 2, 5, 6	SY	1,090
24	619(B)	REMOVAL OF DRIVEWAY	R-1, 2, 5, 6, 22	SY	411
25	619(B)	REMOVAL OF MANHOLE	R-1, 2, 5, 6	EA	1
26	619(B)	REMOVAL OF DRAINAGE PIPE	R-1, 2, 5, 6	LF	379
27	619(B)	REMOVAL OF DRAINAGE INLET	R-1, 2, 3, 4, 5, 6	EA	17
28	619(B)	REMOVAL OF CURB RAMP	R-1, 2, 5, 6	EA	34
29	641	MOBILIZATION		EA	1
30	642	CONSTRUCTION STAKING LEVEL II	G-3, 4	EA	1
31	855(A)	TRAFFIC STRIPE (4") (PLASTIC)	T-3	LF	13,730
32	855(A)	TRAFFIC STRIPE (8") (PLASTIC)	T-3	LF	2,085
33	855(A)	TRAFFIC STRIPE (24") (PLASTIC)	T-3	LF	1,770
34	855(B)	TRAFFIC STRIPE (PLASTIC)(ARROWS)	T-3	EA	6
35	855(B)	TRAFFIC STRIPE (PLASTIC)(SYMBOLS)	T-3	EA	33
36	857(C)	REMOVABLE PAVEMENT MARKING TAPE		LF	10,000
37	COT 608	GROUND SIGN	T-2	SF	668
38	COT 608	1-1/2" SIGN POST		LF	42
39	COT 608	1-3/4" SIGN POST		LF	1,081
40	COT 608	2" SIGN POST		LF	300
41	880(B)	SIGNS 0.00 TO 6.25 SF	T-2, 4, 5	SD	5,000
42	880(B)	SIGNS 6.26 TO 15.99 SF	T-2, 4, 5	SD	5,000
43	880(B)	SIGNS 16.00 AND UP	T-2, 4, 5	SD	10,000
44	880(C)	BARRICADES (TYPE II)	T-2, 4, 5	SD	2,000
45	880(C)	BARRICADES (TYPE III)	T-2, 4, 5	SD	7,500
46	880(E)	TYPE "A" WARNING LIGHT	T-5	SD	17,000
47	880(E)	TYPE "C" WARNING LIGHT	T-5	SD	10,000
48	880(F)	DRUMS	T-2, 4, 5	SD	10,000
49	880(I)	FLAGGER	T-6	FD	100
50	COT 202	QUICK SET FLOWABLE FILL	G-1, D-8	CY	140
51	COT 334	CONSTRUCTION AS-BUILT		LSUM	1
52	COT 335	CONTRACTORS QUALITY CONTROL		LSUM	1
53	COT 625	REMOVAL OF TRAFFIC ITEMS	T-1	EA	1
54	SPECIAL	PROJECT SIGN (CITY OF TULSA)	T-7	EA	2
55	SPECIAL	TYPE I PCC PATCH	S-21, G-1	CY	434
56	SPECIAL	CURB RAMP		EA	58
57	SPECIAL	URBAN RIGHT-OF-WAY RESTORATION	G-5, 6, 7, 8, 9, 10	EA	1
58	SPECIAL	OWNERS ALLOWANCE		EA	25,000
59	COT 626(A)	TRAFFIC SIGNAL MAINTENANCE		HR	2
60	COT 626(B)	SIGNAL MODIFICATIONS FOR LANE CLOSURES (PER SIGNALIZED INTERSECTION)		EA	2
61	COT 629	RECTANGULAR RAPID FLASHING BEACONS		EA	2

GENERAL PAY ITEM NOTE - ROADWAY

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

PAY ITEM NOTES - PAVING & DRAINAGE

(version 11/14/2018)

- E-1: NOT USED
- E-2: NOT USED
- E-3: THE CONTRACTOR SHALL BE PAID FOR UNCLASSIFIED EXCAVATION ON THE BASIS OF PLAN QUANTITY. ANY ADDITIONAL EXCAVATION REQUIRED OR OVERRUN OF PLAN QUANTITY WILL BE PAID FOR ON THE BASIS OF UNIT PRICE BID FOR THE ITEM. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SURVEY TO VERIFY ANY ADDITIONAL QUANTITIES.
- E-4: UNCLASSIFIED EXCAVATION INCLUDES REMOVAL OF AGGREGATE BASE AND MODIFIED SUBGRADE UNDER EXISTING PAVEMENT TO BE REPAIRED.
- E-5: NOT USED
- E-6: THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROL AND MAINTENANCE OF THE STORM WATER DRAINAGE FROM THE CONSTRUCTION SITE. STORM WATER PONDING ON THE CONSTRUCTION SITE THAT IS THE RESULT OF CONSTRUCTION WILL NOT BE ALLOWED. ALL COST ASSOCIATED WITH STORM WATER MANAGEMENT, AS WELL AS REMOVAL OF ALL SILT AND DEBRIS FROM ALL DRAINAGE STRUCTURES, STORM SEWER PIPES AND APPURTENANCES WITHIN THE PROJECT LIMITS AT END OF PROJECT, SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THIS ITEM.
- E-7: EROSION PROTECTION SHALL BE PLACED AS FOLLOW:
- 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 REPLACEMENT, 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: NOT USED
- E-10: ESTIMATED QUANTITY IS BASED ON SODDING OF ALL DISTURBED AREAS OUTSIDE THE FINAL PAVING 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 INCLUDED 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 EXPENSE.
- E-11: COST OF WATERING AND FERTILIZING SHALL BE INCLUDED. FERTILIZERS SHALL BE 10-20-10 AND SHALL BE APPLIED AT THE RATE OF 1.5 LBS PER 10 SQ YDS. FERTILIZER SHALL BE APPLIED PER SECTION 230.04H OF ODOT STANDARD SPECIFICATIONS. WATERING SHALL BE APPLIED AS NECESSARY UNTIL VEGETATION IS ESTABLISHED OR UNTIL THE WORK IS ACCEPTED AS COMPLETE.
- S-1: TYPE A AGGREGATE BASE WAS ESTIMATED TO BE USED AS THE BASE MATERIAL FOR 90% OF THE PATCHING. QUICK SET FLOWABLE FILL WAS ESTIMATED TO BE USED AS THE BASE MATERIAL FOR 10% OF THE PATCHING. ACTUAL QUANTITIES TO BE DETERMINED BY THE ENGINEER.
- S-2: INCLUDES COMPACTION OF AGGREGATE TO 98% AASHTO T180 MODIFIED PROCTOR.
- S-3: SEPARATOR FABRIC SHALL BE USED AT ALL PAVEMENT PATCHES AND RECONSTRUCTION SECTIONS. THE SEPARATOR FABRIC SHALL BE CUT AND OVERLAPPED A MINIMUM OF 2 FT AT ALL EDGES OF THE REPAIR.
- S-4: 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 BLOTTING, 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 INDICATED ON THE PLANS MAY BE USED, BUT AT NO ADDITIONAL COST TO THE CITY.

NOTE S8 (50) TABLE			
BINDER <sup>2</sup> GRADE	MESALs	ADT <sup>1</sup>	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.
<sup>1</sup> USE ADT ONLY WHEN ESAL COMPUTATIONAL DATA IS NOT AVAILABLE. CALCULATE THE DESIGN ESALS BASED ON 20 YEARS.			
<sup>2</sup> PG 70-28 OK OR 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 - PAVING & DRAINAGE

continued

- 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: NOT USED
- S-11: NOT USED
- S-12: THE USE OF FLY-ASH IN CONCRETE IS PROHIBITED.
- S-13: INCLUDES ALL COST OF SAWED JOINTS AND SEALING OF ALL JOINTS INCLUDING LONGITUDINAL JOINTS.
- S-14: NOT USED
- S-15: THIS ITEM SHALL BE MEASURED AS THE ACTUAL AMOUNT OF CURB AND/OR GUTTER INSTALLED. NO PAYMENT WILL BE MADE FOR CURB AND/OR GUTTER THROUGH DRIVEWAYS AND INLETS.
- S-16: CURB, GUTTER, AND/OR SIDEWALK ASSOCIATED WITH THE DRIVEWAY AND THROUGH THE DRIVEWAY IS INCLUDED IN THE COST OF THE DRIVEWAY.
- S-17: ONE SIDEWALK PANEL ON EACH SIDE OF DRIVEWAYS SHALL BE A MINIMUM OF 6" THICK OR MATCH EXISTING DRIVEWAY THICKNESS, WHICHEVER IS GREATER. NO ADDITIONAL PAYMENT SHALL BE MADE FOR THE COST OF THE THICKENED SIDEWALK THROUGH THIS AREA.
- S-18: NOT USED
- S-19: NOT USED
- S-20: NOT USED
- S-21: 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

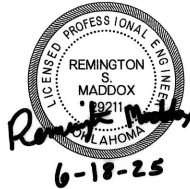
- S-22: REMOVE AC PAVEMENT ON CONCRETE DRIVEWAYS APRONS AND GUTTERS DURING EDGE MILLING AND COLD MILLING OPERATIONS.
- S-23: REPLACE AC IN DRIVEWAY GUTTER, AS NEEDED, FOR POSITIVE STORMWATER DRAINAGE AND SMOOTH DRIVEWAY TRANSITIONS.
- R-1: WASTE MATERIAL TO BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL 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.

(PAY NOTES CONTINUED ON NEXT SHEET)

NOTE:

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

PAY QUANTITIES AND NOTES (1) PAVING & DRAINAGE			
NON-ARTERIAL STREET REHABILITATION ZONE 4014 PROJECT NO. 2036N4014Z			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:  POE & ASSOCIATES INC. Tulsa, Oklahoma			
REVISION	BY	DATE	APPROVED:
PLAN SCALE:	DRAWN	RM	11/2020
	DESIGNED	RM	11/2020
	SURVEY	MW	11/2020
PROFILE SCALE:	PROJ. MGR.	AREC	06/15
	LEAD ENGR.	DIJ	6/25
HORIZONTAL:	FIELD MGR.	BAH	7/15
	RECOMMENDED:	HAS	7-25
VERTICAL:	DESIGN MANAGER		
FILE: H:\303914	DRAWING: 303914-Pay Quantities-Notes	DATE: 7/23/2025	
ATLAS PAGE NO: 10 & 11		SHEET 2	OF 56 SHEETS



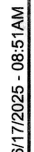


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SUMMARY OF WATER LINE QUANTITIES

SUMMARY OF WATER LINE QUANTITIES					
WATERLINE BASE BID					
ITEM	SPEC. NO.	ITEM DESCRIPTION	PAY ITEM NOTES	UNIT	QUANTITY
62	COT 301	RIGHT-OF-WAY CLEARING AND RESTORING, COMPLETE IN PLACE	4,5,6,7,22	SY	407
63	COT 302	EXCAVATION AND BACKFILL, UNCLASSIFIED	14	CY	544
64	COT 304	CONSTRUCTION STAKING		EA	1
65	COT 312(A)	2" D.I. SLEEVE (RJ)	2,8,12	EA	2
66	COT 312(B)	6" D.I. SLEEVE (RJ)	2,8,12	EA	3
67	COT 312(C)	12" D.I. SLEEVE (RJ)	2,8,12	EA	2
68	COT 315	3/4" WATER METER CAN, LID & RIM		EA	1
69	COT 317(A)	12" GATE VALVE (RJ)	8	EA	3
70	COT 317(B)	3-WAY FIRE HYDRANT, IN PLACE		EA	3
71	COT 317(C)	12 INCH FIRE HYDRANT EXTENSION		EA	4
72	COT 318(A)	VALVE BOX	21	EA	9
73	COT 318(B)	VALVE BOX EXTENSION	21	VF	31
74	COT 325	SODDING AND SEEDING	23	SY	74
75	COT 329(A)	PAVEMENT, REMOVAL AND REPLACEMENT (6" P.C.C. PAVEMENT)	30,36	SY	976
76	COT 329(B)	PAVEMENT, REMOVAL AND REPLACEMENT (CURB & GUTTER)	36	LF	48
77	COT 329(C)	SAWCUT		LF	1,846
78	COT 329 (D)	4" CONCRETE SIDEWALK, REMOVAL AND REPLACEMENT	36	SY	4
79	COT 333 (A)	2" WATERLINE ABANDONMENT		LF	522
80	COT 333 (B)	6" WATERLINE ABANDONMENT		LF	795
81	COT 334	CONSTRUCTION AS-BUILT	24,25,27	EA	1
82	SPECIAL	OWNER ALLOWANCE	18	EA	10,000
ALTERNATE "A" DIP					
ITEM	SPEC. NO.	ITEM DESCRIPTION	PAY ITEM NOTES	UNIT	QUANTITY
83	COT 307(A)	6" DIP, CL 51 POLYETHYLENE WRAPPED, (RJ)	1,2,3,8,9,11,27,28	LF	516
84	COT 307(B)	6" DIP, CL 51 POLYETHYLENE WRAPPED	1,2,3,9,11,27,28	LF	701
85	COT 312(A)	6" D.I. 45 DEGREE BEND (RJ)	2,8	EA	12
86	COT 312(B)	6"X 6" D.I. TEE (RJ)	2,8	EA	5
87	COT 312(C)	12" X 12" D.I. TEE (RJ)	2,8	EA	1
88	COT 312(D)	6" X 2" D.I. REDUCER (RJ)	2,8	EA	2
89	COT 312(E)	12" X 6" D.I. REDUCER (RJ)	2,8	EA	1
90	COT 315	3/4" WATER SERVICE CONNECTION (LONG)	13,15,16,17	EA	1
91	COT 317	6" GATE VALVE (RJ)	8	EA	6
ALTERNATE "B" PVC					
ITEM	SPEC. NO.	ITEM DESCRIPTION	PAY ITEM NOTES	UNIT	QUANTITY
92	COT 309(A)	6" PVC, AWWA C900, CLASS 200, DR-14, (RJ)	1,2,3,8,9,10,27,29	LF	516
93	COT 309(B)	6" PVC, AWWA C900, CLASS 200, DR-14	1,2,3,9,10,27,29	LF	701
94	COT 312(A)	6" 45 DEGREE BEND (RJ)	2,8	EA	12
95	COT 312(B)	6" X 6" TEE (RJ)	2,8	EA	5
96	COT 312(C)	12" X 12" D.I. TEE (RJ)	2,8	EA	1
97	COT 312(D)	6" X 2" D.I. REDUCER (RJ)	2,8	EA	2
98	COT 312(E)	12" X 6" D.I. REDUCER (RJ)	2,8	EA	1
99	COT 315	3/4" WATER SERVICE CONNECTION (LONG)	13,15,16,17	EA	1
100	COT 317	6" GATE VALVE (RJ)	8	EA	6
ALTERNATE "C" HDPE					
ITEM	SPEC. NO.	ITEM DESCRIPTION	PAY ITEM NOTES	UNIT	QUANTITY
101	COT 309A	8" HDPE, AWWA C906, PE4710, DR-11 (DIPS)	1,2,3,8,9,10,19,27,28	LF	1,217
102	COT 312A(A)	8" HDPE MJ ADAPTOR (DIPS) (RJ)	8	EA	10
103	COT 312A(B)	8" HDPE 45 DEGREE BEND (DIPS)		EA	12
104	COT 312A(C)	8" X 8" HDPE TEE (DIPS)	20	EA	5
105	COT 312A(D)	12" X 12" HDPE TEE (DIPS)	20	EA	1
106	COT 312A(E)	8" HDPE WALL ANCHOR (DIPS)(RJ)	26	EA	4
107	COT 312A(F)	8"x2" HDPE REDUCER (DIPS)		EA	2
108	COT 312A(G)	8"x6" HDPE REDUCER (DIPS)		EA	7
109	COT 312A(H)	12"x8" HDPE REDUCER (DIPS)		EA	1
110	COT 315	3/4" WATER SERVICE CONNECTION (LONG)	13,15,16,17	EA	1
111	COT 317	8" GATE VALVE (RJ)	8	EA	6

PAY ITEM NOTES - WATER LINES

version date: 1/30/25

1.

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

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

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

ALL COSTS FOR TEMPORARY PLUGS, BLOCKING, RESTRAINING, CORPORATION STOPS, TUBING, THREADED CONNECTIONS, BLEACH, AND OTHER INCIDENTALS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR PIPE.
2.

BURIED BOLTS, HARNESS LUGS, AND COUPLINGS SHALL BE GIVEN TWO COATS OF KOPPER'S BITUMASTIC 300-M (DRY MIL THICKNESS OF 16 MILS) OR EQUAL. COST TO BE INCLUDED IN UNIT PRICE BID FOR PIPE AND FITTINGS.
3.

CONTRACTOR TO EXCAVATE ALL UTILITY CROSSINGS AHEAD OF PIPE LAYING SO THAT THE GRADES CAN BE ADJUSTED ON THE PROPOSED WATER MAIN TO AVOID UTILITY CONFLICTS. FAILURE TO DO SO SHALL NOT ENTITLE THE CONTRACTOR TO CLAIM EXTRA COMPENSATION FOR ADJUSTMENTS TO THE PROPOSED WATER MAIN. THE COST FOR EXCAVATING UTILITY CROSSINGS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR PIPE.
4.

CONTRACTOR SHALL INSURE ALL POLES WHICH ARE AFFECTED BY TRENCHING CONDITIONS ARE BRACED BY OWNERS. PAYMENT SHALL BE INCLUDED IN "RIGHT-OF-WAY CLEARING AND RESTORING". NO ADDITIONAL PAYMENT SHALL BE MADE.
5.

ALL HYDRANTS, VALVES AND OTHER FITTINGS FROM ABANDONED WATER MAINS SHALL BE SALVAGED AND DELIVERED TO THE SOUTH YARD AT 2317 S JACKSON AVE. PAYMENT TO BE MADE UNDER RIGHT OF WAY CLEARING AND RESTORING. NO ADDITIONAL PAYMENT SHALL BE MADE.
6.

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

PAY ITEM NOTES - WATER LINES  
(CONTINUED)

7.

COST OF ANY TEMPORARY LIVESTOCK FENCING AND POLES SHALL BE INCLUDED IN COST OF RIGHT OF WAY CLEARING AND RESTORING. NO ADDITIONAL PAYMENT SHALL BE MADE.
8.

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

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

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

HIGH DENSITY POLYETHYLENE (HDPE) RESTRAINED JOINT SYSTEMS: EBAA MEGALUG, STAR STARGRIP OR EQUAL SHALL BE USED ON THIS PROJECT.
- NO ADDITIONAL PAYMENT SHALL BE MADE.
9.

ALL CUT ENDS AND WHERE SALVAGED FITTINGS HAVE BEEN REMOVED FROM ABANDONED WATER LINES LEFT IN PLACE, SHALL BE PLUGGED WITH 24-IN OF CONCRETE INSIDE THE PIPE. COST OF CONCRETE PLUGGING TO BE INCLUDED IN THE UNIT PRICE BID FOR PIPE. NO ADDITIONAL PAYMENT SHALL BE MADE.
10.

TRACER WIRE AND DETECTABLE MYLAR MARKING TAPE SHALL BE INSTALLED ABOVE ALL PVC AND HDPE PIPE, TERMINATING ONLY ONTO 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 THE COST OF DUCTILE IRON PIPE.
12.

ALL LABOR, MATERIALS, AND EQUIPMENT TO CONNECT PROPOSED WATER MAINS TO EXISTING WATER MAINS ARE INCLUDED IN THE COST OF PIPE. CONTRACTOR TO EXCAVATE ALL EXISTING WATER MAINS AHEAD OF PIPE LAYING SO THAT THE GRADES CAN BE ADJUSTED ACCORDINGLY. FAILURE TO DO SO SHALL NOT ENTITLE THE CONTRACTOR TO CLAIM EXTRA COMPENSATION FOR ADJUSTMENTS TO THE PROPOSED WATER MAIN. THE COST FOR EXCAVATING EXISTING WATER MAINS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR SLEEVES. NO ADDITIONAL PAYMENT SHALL BE MADE.
13.

AT THE DIRECTION OF THE ENGINEER, CONTRACTOR SHALL FURNISH A "LICENSED AND BONDED PLUMBER", WHICH SHALL INCLUDE ALL COSTS OF LABOR, TOOLS, PERMIT FEES, AND EQUIPMENT TO REROUTE THE EXISTING CUSTOMER SERVICE ON CUSTOMER PROPERTY TO THE PROPOSED CUSTOMER METER CAN. COST SHALL NOT EXCEED AN ALLOWANCE OF \$1000 PER OCCURRENCE. MATERIALS COSTS SHALL BE INCLUDED UNDER THE UNIT PRICE FOR WATER SERVICE CONNECTION AND/OR WATER SERVICE LINE EXTENSION. NO ADDITIONAL PAYMENT SHALL BE MADE.
14.

CONTRACTOR IS REMINDED TO BACKFILL ALL TRENCHES EXCAVATED ACROSS ANY EXISTING OR PROPOSED DRIVING OR PARKING SURFACE WITH 1½-IN TYPE A AGGREGATE BASE, PLACED IN 8-INCH MAXIMUM LIFTS AND COMPACTED TO 98% MODIFIED PROCTOR DENSITY. COST TO BE INCLUDED IN THE UNIT PRICE FOR EXCAVATION AND BACKFILL. NO ADDITIONAL PAYMENT SHALL BE MADE.
15.

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

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

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

SERVICE LINES EXCEEDING THE ABOVE PARAMETERS WILL BE COMPENSATED FOR LINEAR FOOTAGE ABOVE AND BEYOND. COMPENSATION SHALL BE PAID AS "SERVICE LINES, EXTENSION", PER LF
16.

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

- A.

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

1-INCH WATER SERVICE CONNECTION SHALL USE 1¼-INCH PEX TUBING MINIMUM

17.

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

18.

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

- A.

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

- I.

WATER SERVICE LINES OF UNKNOWN OR UNEXPECTED SIZE.

- B.

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

- C.

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

- D.

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

PAY ITEM NOTES - WATER LINES  
(CONTINUED)

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) TEES. 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 CONDITION. LIMITS OF DISTURBANCE SHALL NOT EXCEED 9-FEET CENTERED ON THE WATERLINE. ANY DISTURBANCE OUTSIDE OF THIS AREA SHALL BE RESTORED AT THE CONTRACTOR'S EXPENSE. STREETS, DRIVEWAYS AND ASSOCIATED ITEMS SHALL BE PAID FOR UNDER OTHER ITEMS OF WORK.
23.

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 CONTRACTOR'S 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 LINE, NOTIFICATION SHALL BE MADE TO WATER DISTRIBUTION AND WORK SHALL CEASE UNTIL RELEASED AT WHICH TIME ANY AND ALL SERVICE LINES LOCATED THAT ARE LEAD OR GALVANIZED ARE TO BE REPLACED WITH APPROVED MATERIALS.
26.

WORK UNDER THIS ITEM SHALL INCLUDE FURNISHING AND INSTALLING HDPE WALL ANCHORS 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 BLOCKING.
27.

PRESSURE TESTING AND CHLORINATION OF WATER MAINS SHALL NOT BE PERFORMED UNTIL THE CITY INSPECTOR HAS RECEIVED THE REQUIRED CONSTRUCTION AS-BUILT RECORDS.
28.

MARKER BALLS SHALL BE INSTALLED ABOVE ALL FITTINGS, BLIND FLANGES, SERVICE TAPS AND EVERY 100 FEET IF THE DISTANCE BETWEEN FITTINGS IS GREATER THAN 100 FEET. THE COST OF MARKER BALLS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR PIPE. MARKERS SHALL BE VIVAX WATER MARKER BALLS OR EQUAL THAT WORK WITH THE VIVAX VLOC3 -PRO RECEIVER AND LOC3-10TX TRANSMITTER.
29.

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.

NOT USED
32.

NOT USED
33.

NOT USED
34.

NOT USED
35.

NOT USED

**36 ALL SAW CUTTING AND REMOVAL SHALL BE INCLUDED IN THE COST OF THE ITEM TO BE ADJUSTED, REMOVED, REPAIRED, OR REPLACED. INCLUDES THE COST FOR DOWEL BARS.**

WATER LINE CONSTRUCTION NOTES

1.

THE CITY OF TULSA FIELD ENGINEERING DEPARTMENT SHALL INSPECT ALL TRENCHING, BEDDING, PIPE INSTALLATION, BACKFILL AND COMPACTION.
2.

ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CURRENT STANDARD SPECIFICATIONS AND STANDARD DETAILS OF THE CITY OF TULSA ENGINEERING SERVICES DEPARTMENT.
3.

EXISTING SERVICE CONNECTIONS ARE TO BE KEPT IN SERVICE UNTIL CONNECTIONS TO NEW MAIN ARE MADE. ALL SERVICE LINE RECONNECTIONS SHALL BE MADE BY THE CONTRACTOR. SERVICE RECONNECTIONS SHALL BE INSTALLED AS PER CITY OF TULSA STANDARD SPECIFICATIONS AND STANDARD DETAILS.
4.

MINIMUM COVER OVER WATER LINES SHALL BE AS NOTED ON THE PLANS.
5.

CONTRACTOR SHALL REPLACE EXISTING GRASS WITH SEED/SOD OF THE SAME TYPE AND VARIETY OR AS NOTED ON PLANS.
6.

CONTRACTOR SHALL BORE EXISTING TREES UNDER DRIP LINE, UNLESS DIRECTED OTHERWISE BY ENGINEER.
7.

CONTRACTOR SHALL BORE EXISTING DRIVEWAYS, UNLESS DIRECTED OTHERWISE BY ENGINEER.
8.

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

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

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

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

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

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

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

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

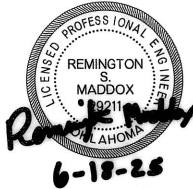
14. CONSTRUCTION FOR ALL ENGINEERING SERVICE FACILITIES SHALL BE IN COMPLIANCE WITH THE LATEST EDITION OF TITLE 252, DEPARTMENT OF ENVIRONMENTAL QUALITY, CHAPTER 626, PUBLIC WATER SUPPLY CONSTRUCTION STANDARDS, OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY (ODEQ).

15. ALL EXCAVATED MATERIAL NOT REQUIRED IN OTHER AREAS OF THE PROJECT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF BY THE CONTRACTOR IN A MANNER ACCEPTABLE TO THE ENGINEER WITHOUT COST TO THE CITY. THE CONTRACTOR SHALL BE REQUIRED TO OBTAIN AN EARTH CHANGE PERMIT IF ANY EXCESS MATERIAL IS TO BE DISPOSED OF WITHIN THE CITY LIMITS OF TULSA.

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

GENERAL PAY ITEM NOTE - WATERLINE

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.



TMUA-W 20-14			
PAY QUANTITIES & NOTES (3) WATERLINE			
NON-ARTERIAL STREET REHABILITATION ZONE 4014 PROJECT NO. 2036N4014Z			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY: POE & ASSOCIATES INC. Tulsa, Oklahoma			
REVISION	BY	DATE	APPROVED:
1" = N/A	DRAWN	KS 11/2020	
	DESIGNED	RWS 11/2020	
	SURVEY	MW 11/2020	
	PROJ. MGR.	AEL 06/25	
	LEAD ENGR.	CW 9/25	
	FIELD MGR.	BW 7/25	
	RECOMMENDED	Sharon G. M.	
	DESIGN MANAGER		
	FILE: H:\303914 DWG: 303914-Pay Quantities-Notes - Waterlines	DATE: 7/23/2025	CITY ENGINEER
	ATLAS PAGE NO:		SHEET 4 OF 56 SHEETS



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GENERAL CONSTRUCTION NOTES

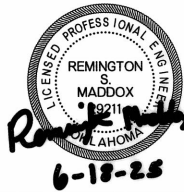
(version 2/8/2017)

- ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE 2019 OKLAHOMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AS ADOPTED BY C.O.T. AND THE CURRENT CITY OF TULSA PUBLIC WORKS DEPARTMENT'S STANDARD SPECIFICATIONS AND STANDARD DETAILS AND STANDARD DRAWINGS AND CITY OF TULSA SPECIAL PROVISIONS.
- 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.
- PAY ITEMS SHALL BE AS SPECIFIED ON THE CITY OF TULSA OR ON THE ODOT STANDARD DRAWINGS EXCEPT AS MODIFIED BY THE CONTRACT.
- 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.
- 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.
- 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.
- 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.
- THE CONTRACTOR SHALL PRESERVE THE INTEGRITY OF THE SANITARY SEWER STRUCTURES AND ALL OTHER UTILITY STRUCTURES WITHIN THE PROJECT EXTENTS.
- 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.
- 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.
- 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.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ALL EXISTING TRAFFIC SIGNS AND MARKINGS REMOVED OR DAMAGED AS LISTED IN THE SIGNAGE SCHEDULE FOR THE PROJECT. ALL SIGNS AND POLES PROVIDED SHALL BE NEW AND UNDAMAGED AND SHALL MEET THE REQUIREMENTS OF COT SPECIFICATION 608 TRAFFIC SIGNS. ALL TRAFFIC MATERIALS REMOVED SHALL BE HANDLED PER COT SPECIFICATION 625 REMOVAL OF TRAFFIC ITEMS.
- 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.
- LOCAL AND THROUGH TRAFFIC SHALL BE MAINTAINED THROUGH THE PROJECT AT ALL TIMES.
- ALL PUBLIC AND PRIVATE STREETS AND DRIVES SHALL BE ACCESSIBLE AT ALL TIMES.
- 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.
- 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.
- 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.
- 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.
- 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.
- IF THE CONTRACTOR ENCOUNTERS VOIDS WHEN PATCHING STREETS, THE CONTRACTOR SHALL CALL FIELD ENGINEERING AT 918-596-9508 FOR AN INSPECTION BEFORE PROCEEDING WITH WORK.

GENERAL CONSTRUCTION NOTES

continued

- 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.
- NO FLY ASH IS ALLOWED TO BE USED ON THIS PROJECT.
- PHYSICAL TESTING FOR QUALITY ASSURANCE SHALL BE FURNISHED BY THE CITY.
- CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY QUALITY CONTROL TESTING TO ENSURE THAT PROJECT REQUIREMENTS ARE MET.
- MASONRY STRUCTURES SHALL NOT BE CONSTRUCTED WITHIN THE STREET RIGHT-OF-WAY.
- ALL CONCRETE CURB AND GUTTERS SHALL BE MONOLITHIC POURS. DOWELED-ON CURBS WILL NOT BE ALLOWED.
- NO LIFTING HOLES WILL BE ALLOWED ON ANY REINFORCED CONCRETE PIPES OR REINFORCED CONCRETE BOXES.
- CURB RAMP CONSTRUCTION SHALL COMPLY WITH THE CURRENT AMERICANS WITH DISABILITIES ACT STANDARDS.
- 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.
- 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.
- 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.
- POST LENGTHS SHOWN ON SIGN SUMMARY ARE APPROXIMATE. EXACT LENGTHS SHALL BE DETERMINED BY A FIELD SURVEY CONDUCTED BY THE CONTRACTOR.
- 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.
- 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.
- 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.
- STRAW OR HAY BALES AS STORMWATER BEST MANAGEMENT PRACTICES ARE NO LONGER ALLOWED ON CONSTRUCTION PROJECTS.
- THE CONTRACTOR MUST CALL 1-800-458-4251 IMMEDIATELY IF A NATURAL GAS PIPELINE IS CUT, DAMAGED, OR OTHERWISE DISTURBED.
- PRIOR TO FINAL ACCEPTANCE, ALL EXPOSED CURB SURFACES SHALL BE CLEANED OF ALL DICOLOURATION SUCH AS ASPHALT STAIN, TIRE MARKS, OR OTHER DISFIGUREMENT.
- 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. ~~MOST RECENT EDITION~~ BY THE U.S. ACCESS BOARD. WHERE SPATIAL LIMITATIONS OR EXISTING FEATURES WITHIN THE LIMITS OF THE PROJECT PREVENT FULL COMPLIANCE WITH THIS ACT, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER UPON DISCOVERY OF SUCH FEATURES. THE CONTACTOR SHALL NOT PROCEED WITH ANY ASPECT OF THE WORK, WHICH IS NOT IN FULL COMPLIANCE WITH THE ADA WITHOUR PRIOR WRITTEN APPROVAL FROM THE ENGINEER. ANY WORK WHICH IS NOT PERFORMED WITHIN THE GUIDELINES OF THE ADA, FOR WHICH THE CONTRACTOR DOES NOT HAVE WRITTEN APPROVAL, SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
- 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.
- 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.
- CONTRACTOR SHALL NOT STORE EQUIPMENT OR MATERIALS IN THE FLOODPLAIN.



REVISION	BY	DATE	PLAN SCALE:	DRAWN	RM	11/2020	APPROVED:
			1" = NA	DESIGNED	RM	11/2020	
				SURVEY	MW	11/2020	
			PROFILE SCALE:	PROJ. MGR.	AA	06/25	
				LEAD ENGR.	RM	6/25	
			HORIZONTAL:	FIELD MGR.	RM	7/25	
			1" = NA	RECOMMENDED:	HA	7/25	
			VERTICAL:	DESIGN MANAGER			
			1" = NA				
			FILE: H\303914	DRAWING: 303914-Pay Quantities-Notes			
			ATLAS PAGE NO: 10 & 11				

GENERAL CONSTRUCTION NOTES

NON-ARTERIAL STREET REHABILITATION ZONE 4014  
PROJECT NO. 2036N4014Z

CITY OF TULSA, OKLAHOMA  
PUBLIC WORKS DEPARTMENT

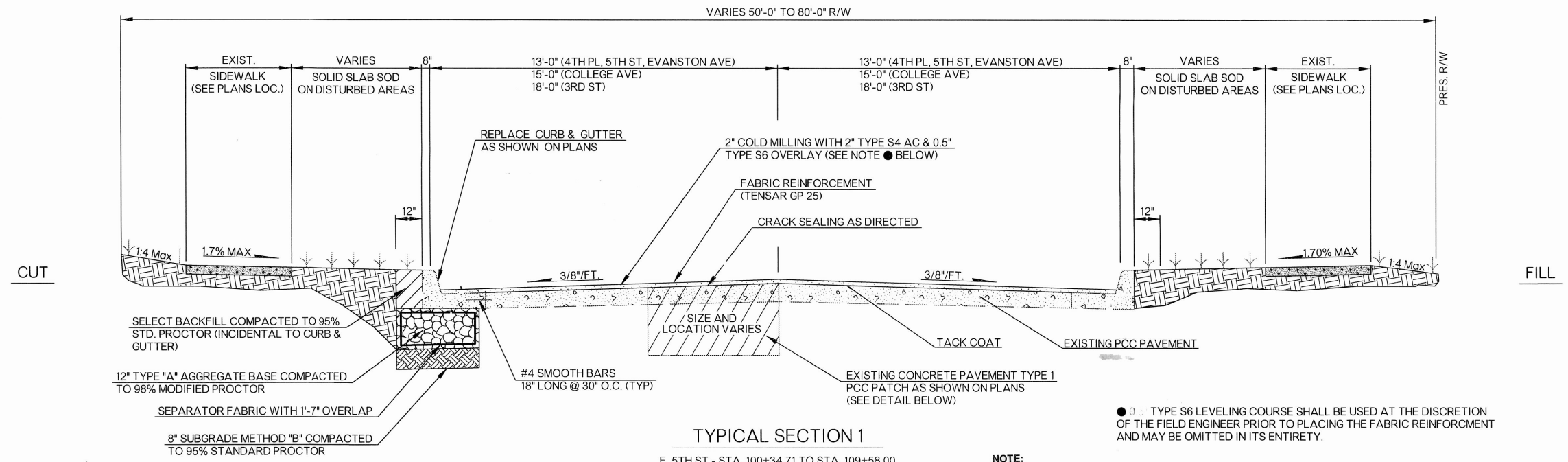
PLANS AND ESTIMATES PREPARED BY:

POE & ASSOCIATES INC.  
Tulsa, Oklahoma

CITY ENGINEER

DATE: 7/23/2025

SHEET 5 OF 56 SHEETS

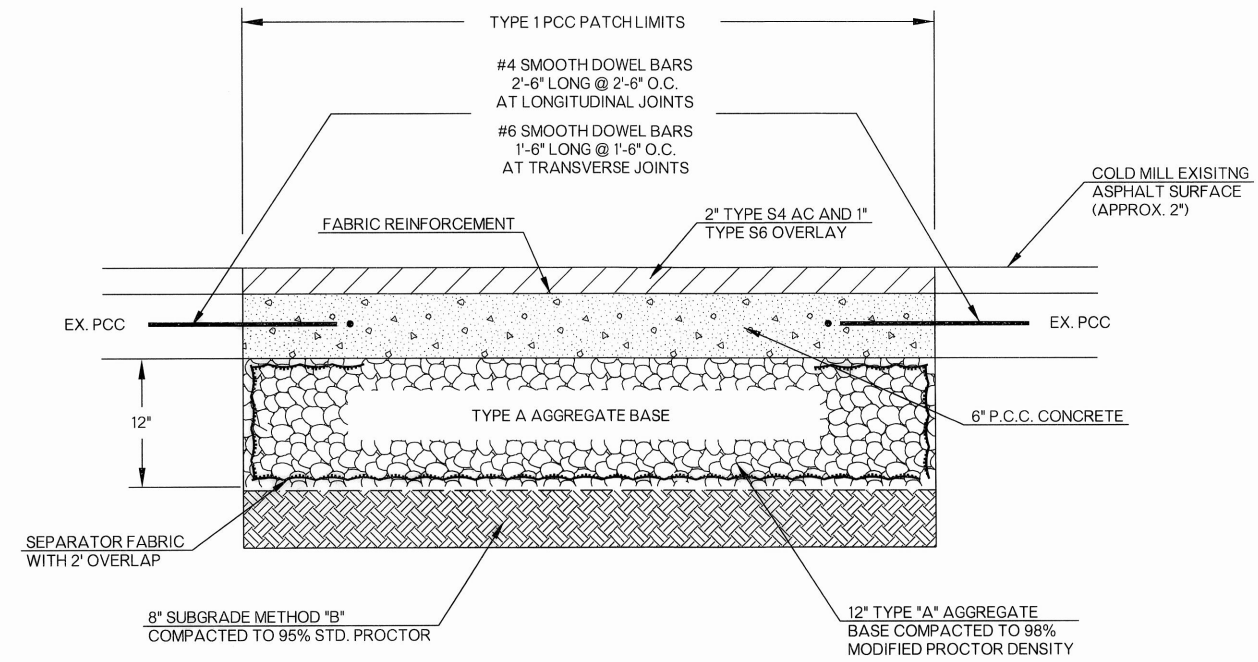


**TYPICAL SECTION 1**

E. 5TH ST - STA. 100+34.71 TO STA. 109+58.00  
 E. 4TH PL - STA. 121+03.00 TO STA. 146+03.00  
 E. 3RD ST - STA. 150+28.11 TO STA. 172+19.87 & STA. 173+21.62 TO STA. 176+54.33  
 S. EVANSTON AVE - STA. 180+12.96 TO STA. 183+76.08  
 S. COLLEGE AVE - STA. 190+11.37 TO STA. 199+21.96

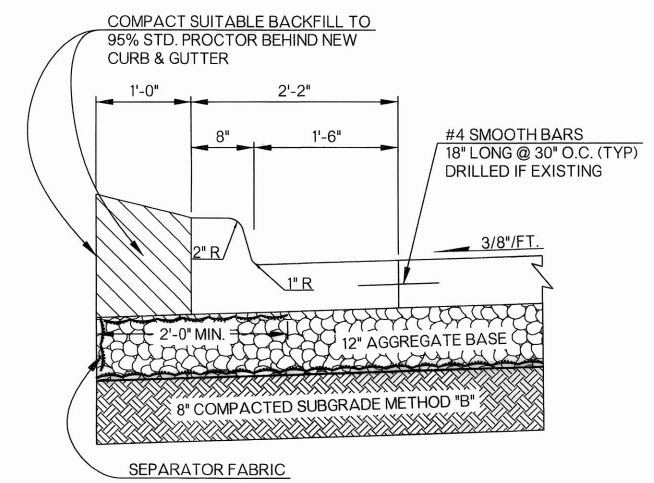
**NOTE:**  
 TYPE S6 LEVELING COURSE SHALL BE USED AT THE DISCRETION OF THE FIELD ENGINEER PRIOR TO PLACING THE FABRIC REINFORCEMENT AND MAY BE OMITTED IN ITS ENTIRETY.

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


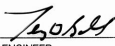


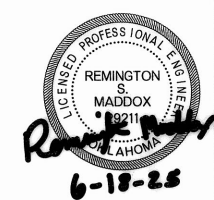
**TYPE 1 PCC PATCH**

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

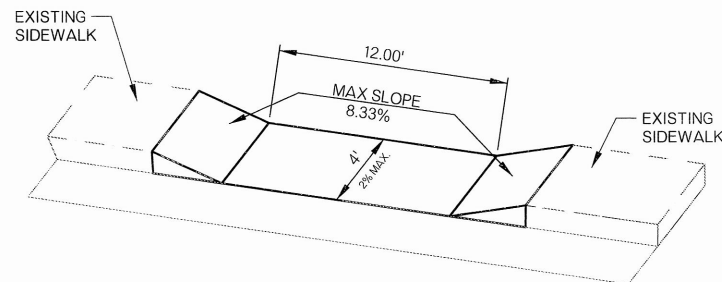
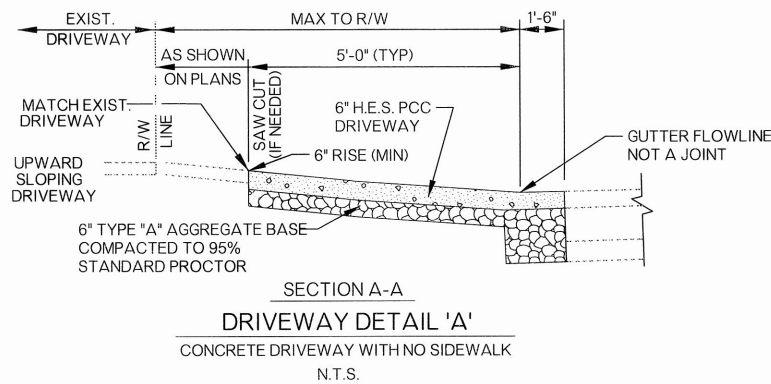
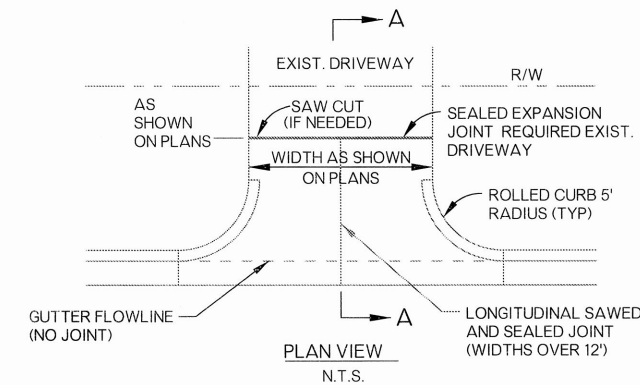


**COMBINED CURB AND GUTTER DETAIL**

TYPICAL SECTIONS (1)												
NON-ARTERIAL STREET REHABILITATION ZONE 4014												
PROJECT NO. 2036N4014Z												
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT												
PLANS AND ESTIMATES PREPARED BY:												
<div><div></div><div>POE &amp; ASSOCIATES INC. Tulsa, Oklahoma</div></div>												
REVISION	PLAN SCALE:	DRAWN	RM	11/2020	APPROVED:							
	1" = NA	DESIGNED	RM	11/2020								
	SURVEY	MW	11/2020									
	PROFILE SCALE:	PROJ. MGR.	ARL	06/25								
	HORIZONTAL:	LEAD ENGR.	6/25									
	1" = NA	FIELD MGR.	7/65									
	VERTICAL:	RECOMMENDED:	HAS						7-25			
	1" = NA	DESIGN MANAGER										
FILE: H1303914									DRAWING:		CITY ENGINEER	
ATLAS PAGE NO: 10 & 11											DATE: 7/23/2025	
						SHEET 6		OF 56 SHEETS				

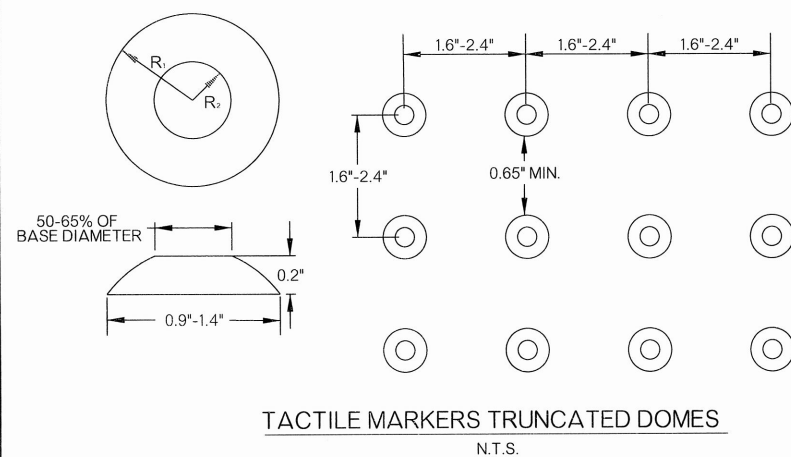






DETAIL OF DRIVEWAY

STA. 100+75, RT.  
STA. 120+87, RT.  
STA. 122+25, RT.



TACTILE WARNING DETAIL INSTALLATION NOTES:

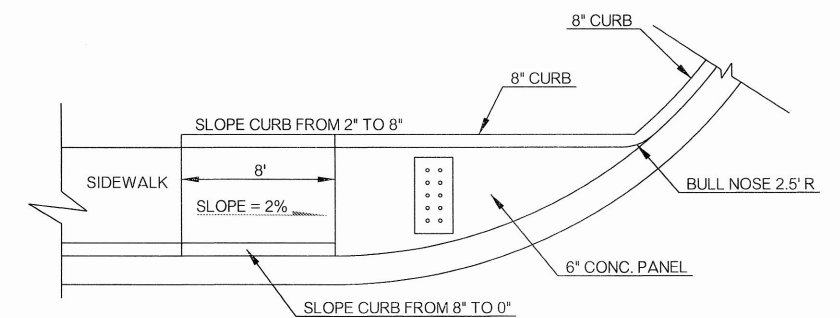
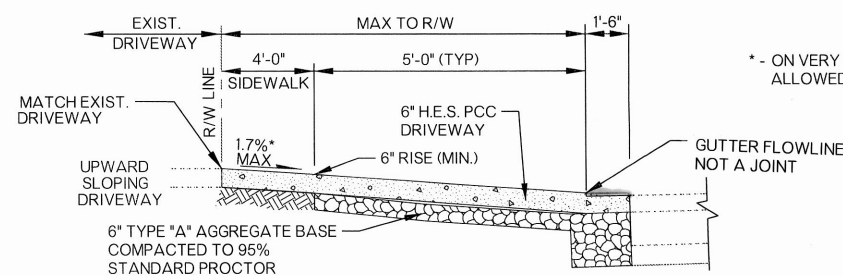
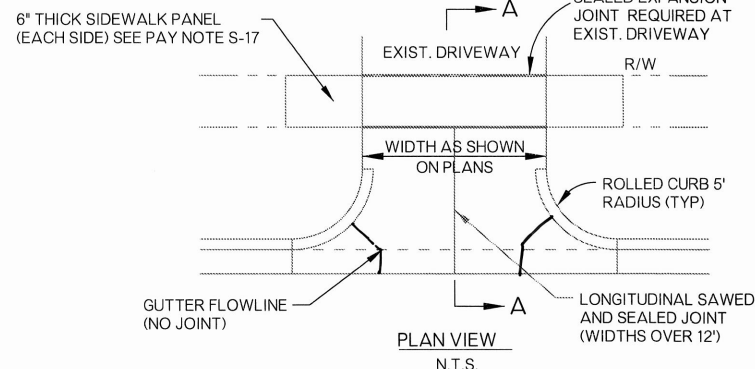
THE TRUNCATED DOME SURFACE SHALL CONTRAST VISUALLY WITH THE ADJOINING WALKING SURFACES.

THE TRUNCATED DOMES SHALL BE PRE-CAST CONCRETE PANELS WITH A NOMINAL THICKNESS OF 7/8 INCH TO 2 INCHES, AND A MINIMUM SIZE OF 12" X 16". THEY SHALL BE CONSTRUCTED WITH A MINIMUM OF 4000 PSI CONCRETE. THEY SHALL BE CHARCOAL IN COLOR AND MEET ALL ADA REQUIREMENTS FOR COLOR CONTRAST AND DIMENSIONS.

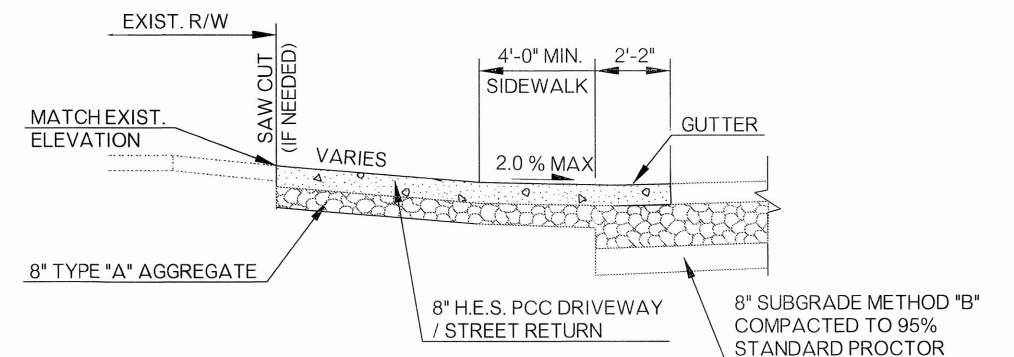
RETROFIT INSTALLATIONS WILL NOT REQUIRE EXISTING DEPRESSED CURBING TO BE REPLACED. A NOMINAL 6 TO 8 INCH SETBACK FROM FACE OF CURB SHALL BE ENFORCED FOR NEAR EDGE OF TACTILE DOMES.

DRIVEWAY NOTES:

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

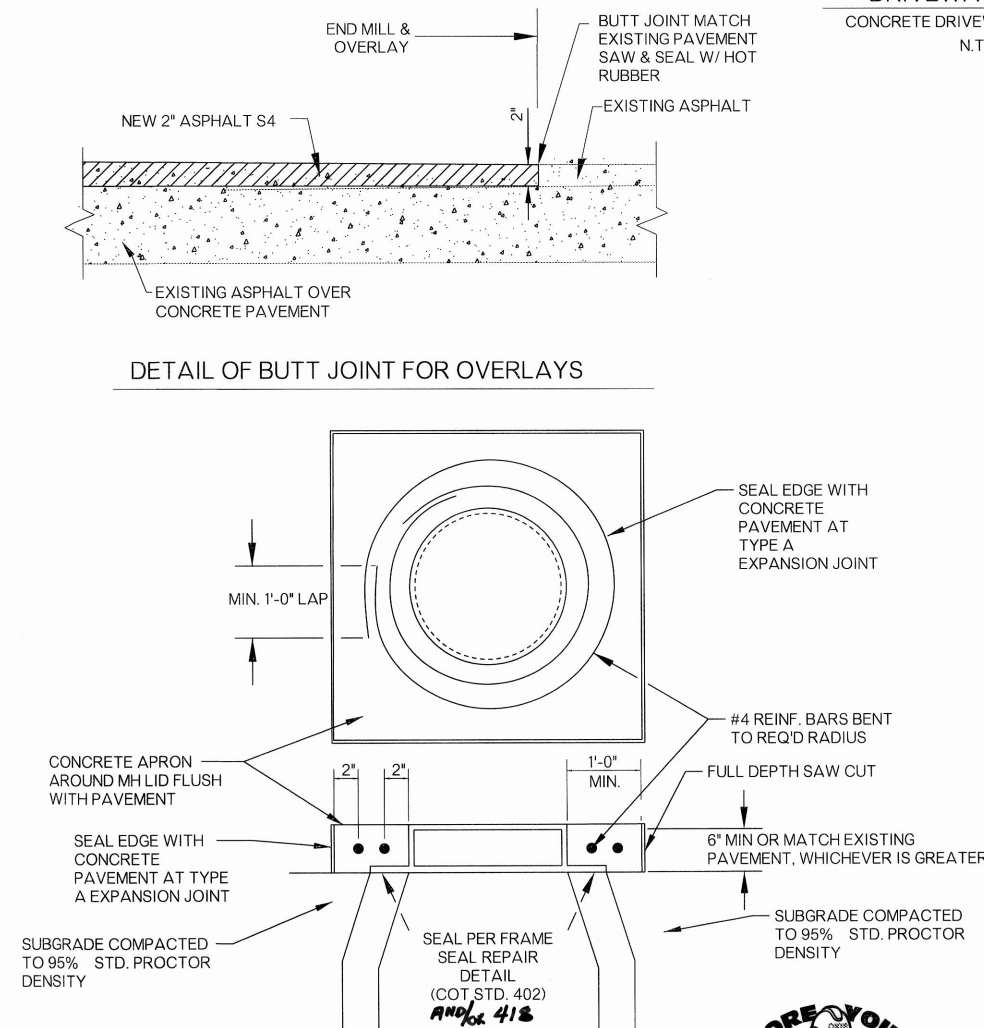


PLAN VIEW

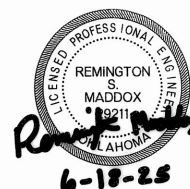


PROFILE VIEW

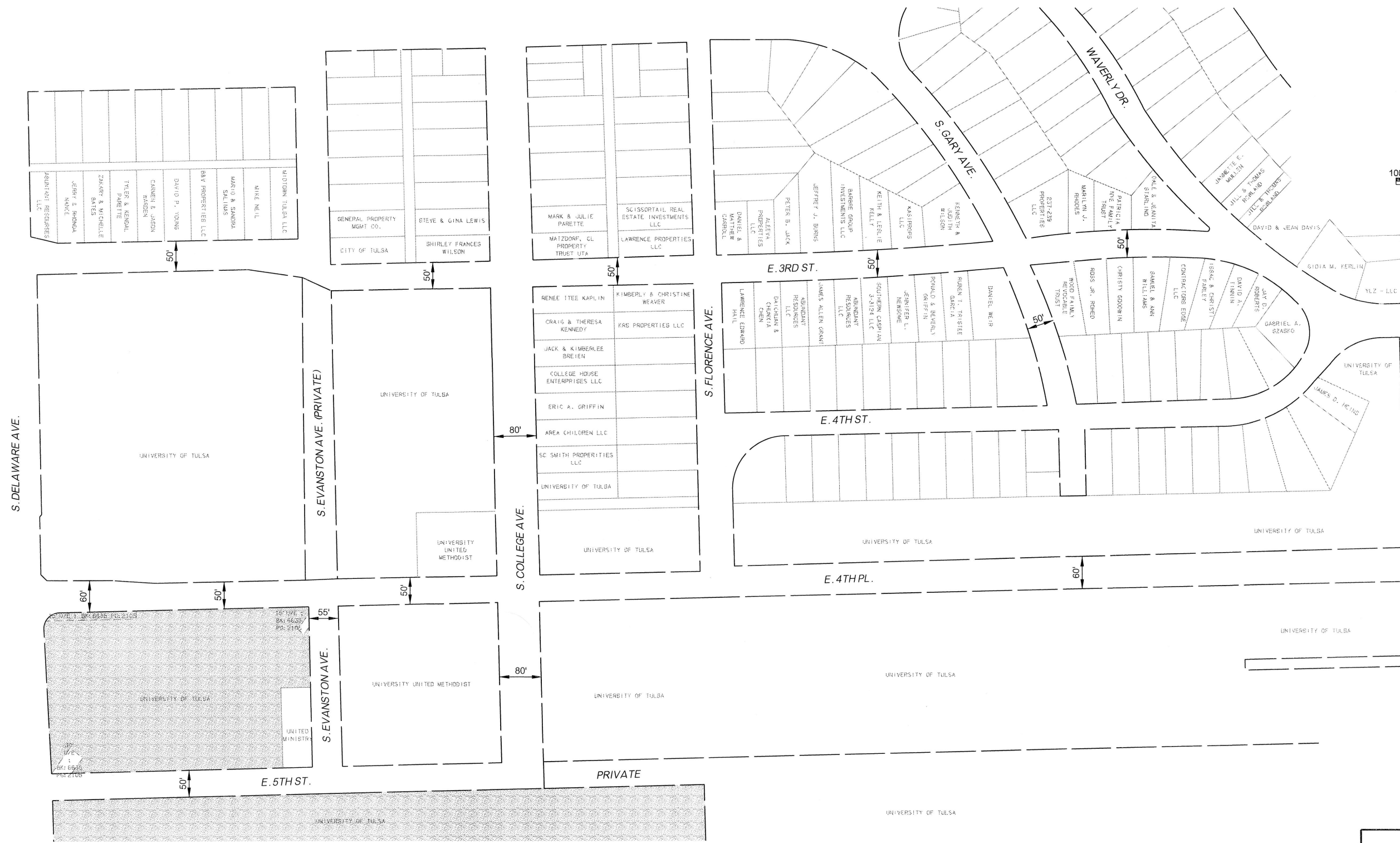
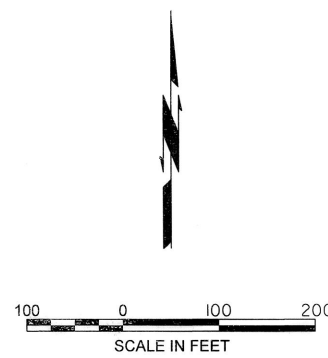
TYPE D/B RAMP



MANHOLES TO GRADE



DETAIL SHEET (1)			
NON-ARTERIAL STREET REHABILITATION ZONE 4014 PROJECT NO. 2036N4014Z			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY: POE & ASSOCIATES INC. Tulsa, Oklahoma			
REVISION	BY	DATE	APPROVED:
1" = NA	DRAWN	RM 11/2020	APPROVED:  CITY ENGINEER
DESIGNED	RM	11/2020	
SURVEY	MW	11/2020	
PROFILE SCALE:	PROJ. MGR.	AA 06/25	DATE: 7/23/2025 SHEET 7 OF 56 SHEETS
HORIZONTAL:	LEAD ENGR.	06/25	
1" = NA	FIELD MGR.	7/15	
VERTICAL:	RECOMMENDED:	HAS 7/25	
1" = NA	DESIGN MANAGER		
FILE: H303914	DRAWING:		
ATLAS PAGE NO: 10 & 11			



SURVEYOR'S CERTIFICATE

I, JUSTIN LEE TALCOTT OF POE & ASSOCIATES, INC., A REGISTERED PROFESSIONAL LAND SURVEYOR IN THE STATE OF OKLAHOMA, DO HEREBY CERTIFY THE SURVEY PREPARED BY ME WAS ACTUALLY MADE UPON THE GROUND AND THAT IT AND THE INFORMATION SHOWN HEREON FOR ALL HORIZONTAL CONTROL POINTS IS A TRUE AND CORRECT REPRESENTATION OF THE SURVEY.

EXECUTED THIS 18th DAY OF June, 2025

JUSTIN LEE TALCOTT  
REGISTERED PROFESSIONAL LAND SURVEYOR  
OKLAHOMA L.S. 1646



RIGHT-OF-ENTRY INFORMATION				
ADDRESS	LOT	BLK.	SUBDIVISION	OWNERSHIP
800 S. TUCKER DR.	5	1-24	COLLEGE ADDITION	UNIVERSITY OF TULSA ATT JUNE BROWN
420 S. DELAWARE AVE.	1	3	UNIVERSITY OF TULSA B1-2&3 RSB PT HIGHLANDS & HIGHLANDS 2ND & COLLEGE	UNIVERSITY OF TULSA ATT JUNE BROWN


## RIGHT-OF-WAY SHEET

NON-ARTERIAL STREET REHABILITATION ZONE 4014  
PROJECT NO. 2036N4014Z

CITY OF TULSA, OKLAHOMA  
PUBLIC WORKS DEPARTMENT




PLANS AND ESTIMATES PREPARED BY:

POE & ASSOCIATES INC.  
Tulsa, Oklahoma

REVISION			BY	DATE	PLAN SCALE:			DRAWN			KS			11/2020			APPROVED:		
					1" = 100'			DESIGNED			RM			11/2020			 CITY ENGINEER		
								SURVEY			MW			11/2020					
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					1" = NA			FIELD MGR.			DAN 7/15								
					VERTICAL:			1" = NA			RECOMMENDED:			HAG 7-25					
								DESIGN MANAGER											
					FILE: H\303914			DRAWING:						DATE: 7/23/2025					
					ATLAS PAGE NO: 10 & 11									SHEET 8 OF 56 SHEETS					



## LEGEND

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



HORIZONTAL AND VERTICAL CONTROL				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
4	426788.841	2576460.481	735.808	CP POE
5	426788.989	2576132.884	742.778	CP IP 3/8 CAP
6	426774.118	2575832.402	751.200	CP IP 3/8 CAP
7	426766.166	2575461.195	753.822	CP IP 3/8 CAP
8	426759.078	2575119.062	757.317	CP IP 3/8 CAP
9	426748.647	2574760.925	757.829	CP IP 3/8 CAP
10	426699.255	2574444.534	752.622	CP IP 3/8 CAP
11	426695.413	2573973.068	752.420	CP IP 3/8 CAP
12	427327.334	2573936.527	739.346	CP IP 3/8 CAP
13	427366.255	2574435.381	737.197	CP IP 3/8 CAP

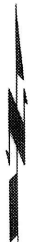
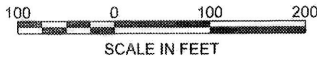
HORIZONTAL AND VERTICAL CONTROL				
14	427291.343	2574760.122	750.905	CP IP 3/8 CAP
15	427358.457	2575167.448	741.719	CP IP 3/8 CAP
16	427335.556	2575713.077	751.701	CP IP 3/8 CAP
17	427403.847	2576085.498	747.148	CP IP 3/8 CAP
18	426338.383	2573941.599	757.405	CP IP 3/8 CAP
19	426401.579	2574850.361	757.043	CP IP 3/8 CAP
20	426359.012	2574850.361	767.273	CP IP 3/8 CAP
21	427023.463	2574805.142	755.253	CP IP 3/8 CAP
22	426954.523	2574398.583	745.645	CP IP 3/8 CAP

PERMANENT BENCHMARK REFERENCES:  
ADS #505 - 5/8" REBAR-1 1/2" ALUMINUM CAP-FLUSH- STAMPED "505",  
SET N.E. OF THE INTERSECTION OF ADMIRAL PL. AND HARVARD AVE.  
N=429041.730  
E=2576561.413  
ELEV.=725.034'

ADS #41 - 3" BRASS CAP SET FLUSH IN CONCRETE POST, SOUTH OF THE  
INTERSECTION OF E. 21ST ST. AND S. HUDSON AVE.  
N= 419164.654  
E=2584743.803  
ELEV.=768.359'

1. HORIZONTAL CONTROL:  
A. HORIZONTAL CONTROL FOR THIS SURVEY IS THE NAVD 88 (2011) OKLAHOMA  
STATE PLANE COORDINATE SYSTEM NORTH ZONE.  
B. ACCURACY - 3RD ORDER OR BETTER.
2. BEARINGS:  
THE BEARINGS SHOWN HEREIN OR HEREON ARE "GRID" BEARINGS DERIVED FROM NGS  
OKLAHOMA STATE PLANE COORDINATE SYSTEM AND ARE NOT ASTRONOMICAL.
3. VERTICAL CONTROL:  
A. LEVEL DATUM IS MEAN SEA LEVEL DATUM OF (NGS) NAVD 1988.  
B. ACCURACY - 3RD ORDER OR BETTER.

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



SURVEYOR'S CERTIFICATE

I, JUSTIN LEE TALCOTT OF POE & ASSOCIATES, INC., A REGISTERED  
PROFESSIONAL LAND SURVEYOR IN THE STATE OF OKLAHOMA, DO HEREBY  
CERTIFY THE SURVEY PREPARED BY ME WAS ACTUALLY MADE UPON THE  
GROUND AND THAT IT AND THE INFORMATION SHOWN HEREON FOR ALL  
HORIZONTAL CONTROL POINTS IS A TRUE AND CORRECT REPRESENTATION OF  
THE SURVEY.

EXECUTED THIS 18<sup>th</sup> DAY OF June, 2025  
*Justin Lee Talcott*  
JUSTIN LEE TALCOTT  
REGISTERED PROFESSIONAL LAND SURVEYOR  
OKLAHOMA L.S. 1646



SURVEY DATA SHEET									
NON-ARTERIAL STREET REHABILITATION ZONE 4014 PROJECT NO. 2036N4014Z									
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT									
PLANS AND ESTIMATES PREPARED BY: POE & ASSOCIATES INC. Tulsa, Oklahoma									
REVISION	BY	DATE	PLAN SCALE	DRAWN	KS	11/2020	APPROVED		
			1" = 100'	DESIGNED	RM	11/2020			
				SURVEY	MW	11/2020			
			PROFILE SCALE	PRJ MGR	AK 06/25				
				LEAD ENGR	AK 6/25				
			HORIZONTAL	FIELD MGR	AK 7/25				
			1" = NA	RECOMMENDED					
			VERTICAL	DESIGN MANAGER					
			1" = NA						
			FILE: H-303914	DRAWING					
			ATLAS PAGE 103	10 & 11					
							CITY ENGINEER	DATE	7/23/2025
								SHEET	9 OF 56 SHEETS

LEGEND	
○ CP#00	CONTROL POINT
△	SECTION, 1/4 SEC. CORNER
=====	SECTION LINE PROJECT STREETS
=====	1/4 SECTION LINE NON-PROJECT STREETS

P&P SHEET NO.	STREET NAME	SUMMARY OF PAVING QUANTITIES																							
		202(A)	230(A)	303	310(B)	325	409	411(C)	411(D)	412	414(G)	609(B)	610(A)	610(B)	610(I)	612(A)	612(C)	612(G)	619(B)	619(B)	619(B)	619(B)	619(B)	SPEC.	202
		UNCLASSIFIED EXCAVATION	SOLID SLAB SODDING	AGGREGATE BASE-TYPE A	SUBGRADE, METHOD B	SEPARATOR FABRIC	FABRIC REINFORCEMENT	ASPHALT CONC. TYPE S4	ASPHALT CONC. TYPE S6	COLD MILLING PAVEMENT	TYPE 1 PCC PATCH	2'-2" COMB. CURB & GUTTER (6" BARRIER)	4" CONCRETE SIDEWALK	6" CONCRETE DRIVEWAY (H.E.S.)	TACTILE WARNING DEVICE (NEW)	MANHOLE ADJUSTED TO GRADE (PUBLIC)	INLET ADJUSTED TO GRADE	VALVE BOXES ADJUST TO GRADE	REMOVAL OF CURB AND GUTTER	REMOVAL OF SIDEWALK	REMOVAL OF EXISTING DRIVEWAY	REMOVAL OF DRAINAGE INLET	REMOVAL OF CURB RAMP	CONSTRUCT CURB RAMP	QUICK SET FLOWABLE FILL
		CY	SY	CY	SY	SY	SY	TON	TON	SY	CY	LF	SY	SY	SF	EA	EA	EA	LF	SY	SY	EA	EA	EA	CY
19	E. 5TH ST.	153	213	153	488	493	1,448	167	42	1,448	57	267	117	67	32	2	-	1	267	117	67	-	3	3	15
20	E. 5TH ST.	14	61	14	43	51	1,188	137	34	1,188	5	35	49	-	74	1	-	-	35	49	-	-	8	8	1
21	E. 4TH PL.	95	209	95	333	342	1,392	160	40	1,392	11	477	38	122	32	-	-	1	477	38	122	1	3	4	9
22	E. 4TH PL.	110	252	110	343	457	1,730	199	50	1,730	17	622	42	30	16	3	-	-	622	42	59	3	1	2	11
23	E. 4TH PL.	182	272	182	546	720	1,768	203	51	1,768	45	783	11	-	80	1	-	-	783	11	-	1	4	8	18
24	E. 4TH PL.	187	302	187	562	684	1,731	199	50	1,731	61	550	119	-	64	2	-	-	550	119	-	2	4	7	19
25	E. 4TH PL.	48	270	48	171	176	728	84	21	728	5	259	177	66	-	-	1	-	259	177	66	-	0	0	5
26	E. 3RD ST.	55	82	55	164	186	2,211	254	64	2,211	22	100	49	-	32	1	-	2	100	49	-	2	3	4	5
27	E. 3RD ST.	104	290	104	322	340	2,306	265	66	2,306	40	172	230	26	104	2	1	3	172	230	26	1	6	13	10
28	E. 3RD ST.	69	148	69	213	200	2,407	277	69	2,407	33	3	145	18	32	2	1	3	3	145	18	2	0	4	7
29	E. 3RD ST.	51	51	51	154	158	2,106	242	61	2,106	25	15	46	-	40	-	-	3	15	46	-	-	2	5	5
30	E. 3RD ST.	203	33	203	609	623	1,566	180	45	1,566	98	62	12	-	-	-	-	2	62	12	-	-	0	0	20
31	S. EVANSTON AVE.	19	44	19	56	76	1,008	116	29	1,008	4	93	13	-	-	1	-	1	93	13	-	1	0	0	2
32	S. EVANSTON AVE.	0	16	0	1	1	-	-	-	-	-	2	15	-	-	-	-	-	2	15	-	1	0	0	0
33	S. COLLEGE AVE.	85	206	85	278	361	1,723	198	50	1,723	6	566	12	53	-	-	1	-	566	12	53	2	0	0	9
34	S. COLLEGE AVE.	25	53	25	74	100	1,188	137	34	1,188	6	115	15	-	-	-	-	1	115	15	-	1	0	0	2
	TOTAL	1,400	2,502	1,400	4,357	4,967	24,500	2,818	704	24,500	434	4,121	1,090	382	506	15	4	17	4,121	1,090	411	17	34	58	140

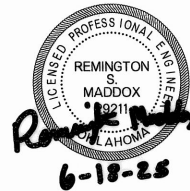
<h1 style="text-align: center;">SUMMARY SHEET (1)</h1> <h2 style="text-align: center;">PAVING SUMMARY</h2>				
<h3 style="text-align: center;">NON-ARTERIAL STREET REHABILITATION ZONE 4014</h3> <h4 style="text-align: center;">PROJECT NO. 2036N4014Z</h4>				
<h3 style="text-align: center;">CITY OF TULSA, OKLAHOMA</h3> <h4 style="text-align: center;">PUBLIC WORKS DEPARTMENT</h4>				
PLANS AND ESTIMATES PREPARED BY: <div style="display: flex; align-items: center; justify-content: center;"> <div> <b>POE &amp; ASSOCIATES INC.</b>              Tulsa, Oklahoma         </div> </div>				
PLAN SCALE:  1" = NA	DRAWN DESIGNED SURVEY	RM RM MW	11/2020 11/2020 11/2020	APPROVED:          <div style="text-align: right;"> </div> CITY ENGINEER
PROFILE SCALE:	PR&J. MGR. LEAD ENGR. FIELD MGR. RECOMMENDED:	<i>Handwritten:</i> <b>PR&amp;J</b> <i>Handwritten:</i> <b>06/12/25</b> <i>Handwritten:</i> <b>7/25</b> <i>Handwritten:</i> <b>7/25</b>	7/23/2025	
HORIZONTAL:  1" = NA				
VERTICAL  1" = NA				
FILE: H:\303914	DRAWING 0914-Summary Sheets		DATE: 7/23/2025	
ATLAS PAGE NO: 10 of 11			SHEET 10 OF 56 SHEETS	

6/17/2025 - 08:52AM I:\303914 MZ 4014\Plan Sheets\303914-Summary Sheets.dgn






SUMMARY OF DRAINAGE QUANTITIES													
STRUCTURE NO.	STATION	OFFSET	SIDE	NORTHING	EASTING	TOP OF GRATE	FLOWLINE	611(A)	612(A)	612(C)	611(G)	613(A)	STRUCTURE NO.
								MANHOLE	ADJUST TO GRADE		CICI STRUCTURES	RCP PIPES	
								SPECIAL	MANHOLE	INLET	2(STD)	18" ROUND CL. III	
								EA.	EA.	EA.	EA.	L.F.	
IN-1	100+48.92	13.64	LT	426376.67	2573930.48	755.39	749.89						IN-1
IN-2	100+50.13	13.72	RT	426349.36	2573932.32	755.32	750.72						IN-2
IN-3	105+60.74	13.16	RT	426361.62	2574442.78	757.3	753.1						IN-3
IN-4	109+63.94	12.89	LT	426396.89	2574845.25	765.25	763.05						IN-4
IN-5	109+64.33	13.12	RT	426370.90	2574846.27	765.54	763.34						IN-5
IN-6	120+55.10	22.81	LT	426736.12	2573919.34	749.76	745.65						IN-6
IN-7	120+54.70	13.31	RT	426700.00	2573919.75	749.9	745.75						IN-7
IN-8	125+21.83	12.92	LT	426736.66	2574386.17	752.03	749.43				1		IN-8
IN-9	125+95.28	12.97	LT	426738.35	2574459.60	751.02	748.32				1		IN-9
IN-10	125+96.45	12.28	RT	426713.14	2574461.34	751.21	748.81				1		IN-10
IN-11	129+75.22	12.96	RT	426720.93	2574840.04	759.41	757.01				1		IN-11
IN-12	132+63.48	12.78	LT	426753.29	2575127.63	756.74	753.82				1		IN-12
IN-13	139+33.40	12.92	LT	426768.82	2575797.39	750.5	747.25				1		IN-13
IN-14	139+21.16	12.98	RT	426742.65	2575785.73	750.92	747.84				1		IN-14
IN-15	145+90.35	12.95	LT	426783.96	2576454.14	735.19							IN-15
IN-16	145+93.39	12.97	RT	426758.11	2576457.78	734.91	732.83			1			IN-16
IN-17	150+50.29	27.27	RT	427334.62	2573901.90	735.73							IN-17
IN-18	155+04.04	23.98	LT	427380.39	2574362.31	736.2	734.4				1		IN-18
IN-19	155+23.00	18.42	RT	427335.72	2574375.17	736.46	733.66				1		IN-19
IN-20	155+96.27	14.41	RT	427327.61	2574447.94	736.96				1			IN-20
IN-21	155+99.38	19	RT	427322.57	2574450.24	736.88	734.48				1		IN-21
IN-22	159+75.64	18.19	RT	427305.83	2574828.36	750.11	747.4						IN-22
IN-23	162+62.98	18.11	LT	427349.13	2575114.76	741.33	737.93						IN-23
IN-24	162+76.81	20.45	RT	427310.92	2575129.53	740.77	737.77			1			IN-24
IN-25	164+66.04	17.94	LT	427354.07	2575317.62	737.62	734.52				1		IN-25
IN-26	164+63.41	18.16	RT	427317.91	2575316.14	737.5	734.5				1		IN-26
IN-27	183+17.77	12.83	LT	426691.95	2574411.62	752.28	749.68				1		IN-27
IN-28	186+23.19	13.1	LT	426997.35	2574405.78	743.18	740.78						IN-28
IN-29	186+55.14	13.09	RT	427029.75	2574431.41	742.14	739.04						IN-29
IN-30	189+40.36	14.49	LT	427314.44	2574398.81	736.62	734.02				1		IN-30
IN-31	189+06.10	13.23	RT	427280.68	2574427.13	736.62	734.02						IN-31
IN-32	193+18.66	14.98	LT	426701.30	2574779.26	758.44	756.04				1		IN-32
IN-33	193+17.60	15.21	RT	426700.79	2574809.46	759.33	755.63			1			IN-33
IN-34	193+81.28	15.06	RT	426764.46	2574808.14	758.16	755.56				1		IN-34
IN-35	199+08.60	15.39	LT	427291.13	2574768.04	749.65	746.55				1		IN-35
MH-1	100+51.24	1.11	LT	426364.21	2573933.09	755.6	749.86		1				MH-1
MH-2	105+47.96	6.71	RT	426367.77	2574429.86	757.95	751.85		1				MH-2
MH-3	109+18.29	6.2	RT	426376.77	2574800.08	765.82	760.72		1				MH-3
MH-4	120+52.35	4.54	LT	426717.79	2573917.00	750.33	745.53		1				MH-4
MH-5	125+59.09	0.59	LT	426725.17	2574423.70	752.38	746.98		1				MH-5
MH-6	127+29.29	0.29	RT	426728.68	2574593.86	752.95	749.35		1				MH-6
MH-7	129+28.96	0.11	RT	426732.74	2574793.50	758.85	754.35		1				MH-7
MH-8	132+94.30	0	RT	426741.22	2575158.73	756.54			1				MH-8
MH-9	139+58.50	1.71	LT	426758.19	2575822.72	751.06			1				MH-9
MH-10	143+19.22	0.57	RT	426764.20	2576183.39	740.74			1				MH-10
MH-11	146+14.23	18.23	LT	426789.78	2576477.90	735.87							MH-11
MH-12	155+55.01	17.16	LT	427365.57	2574412.47	736.60	732.00		1				MH-12
MH-13	159+30.39	0.05	RT	427322.86	2574782.72	750.72	745.12		1				MH-13
MH-14	162+97.80	0.32	RT	427331.56	2575150.02	741.33	736.13		1				MH-14
MH-15	164+80.66	0.11	LT	427336.74	2575332.81	738.26			1				MH-15
MH-16	185+15.29	16.67	RT	426889.99	2574437.45	747.60	743.70						MH-16
MH-17	186+54.79	0.06	RT	427029.17	2574418.38	743.17	738.27						MH-17
MH-18	189+41.09	0.24	RT	427315.43	2574413.52	737.16	733.16						MH-18
MH-19	142+28.34	16.12	LT	426778.80	2576092.16			1				379	MH-19
TOTAL								1	14	4	17	379	



REVISION	BY	DATE	PLAN SCALE:	DRAWN	RSM	11/2020	APPROVED:
			1" = NA	DESIGNED	RM	11/2020	
				SURVEY	MW	11/2020	
			PROFILE SCALE:	PROJ. MGR.	06/25		
			HORIZONTAL:	LEAD ENGR.	07/05		
			1" = NA	FIELD MGR.	06/25		
			VERTICAL:	RECOMMENDED:	11/25		
			1" = NA	DESIGN MANAGER			
			FILE: H\303914	DRAWING: 303914-Summary Sheets	DATE: 7/23/2025		
			ATLAS PAGE NO: 10 & 11				SHEET 11 OF 56 SHEETS

SUMMARY SHEET (2) DRAINAGE SUMMARY
NON-ARTERIAL STREET REHABILITATION ZONE 4014 PROJECT NO. 2036N4014Z
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT

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

SUMMARY OF WATER LINE QUANTITIES

				Waterline "A"		W/L "B"		
ITEM NO.	SPEC. NO.	ITEM DESCRIPTION	UNIT	SHT 48	SHT 49	SHT 50	SHT 51	TOTAL
SUMMARY OF WATERLINE QUANTITIES BASE BID								
62	COT 301	RIGHT-OF-WAY CLEARING AND RESTORING, COMPLETE IN PLACE	SY	165	10	180	52	407
63	COT 302	EXCAVATION AND BACKFILL, UNCLASSIFIED	CY	220	14	240	70	544
64	COT 304	CONSTRUCTION STAKING	EA					1
65	COT 312(A)	2" D.I. SLEEVE (RJ)	EA		2			2
66	COT 312(B)	6" D.I. SLEEVE (RJ)	EA			2	1	3
67	COT 312(C)	12" D.I. SLEEVE (RJ)	EA	2				2
68	COT 315	3/4" WATER METER CAN, LID & RIM	EA	1				1
69	COT 317(A)	12" GATE VALVE (RJ)	EA	3				3
70	COT 317(B)	3-WAY FIRE HYDRANT, IN PLACE	EA	1		2		3
71	COT 317(C)	12 INCH FIRE HYDRANT EXTENSION	EA	2		2		4
72	COT 318(A)	VALVE BOX	EA	3	2	3	1	9
73	COT 318(B)	VALVE BOX EXTENSION	VF	12	15	3	1	31
74	COT 325	SODDING AND SEEDING	SY	26		37	11	74
75	COT 329(A)	PAVEMENT, REMOVAL AND REPLACEMENT (6" P.C.C. PAVEMENT)	SY	430	45	407	94	976
76	COT 329(B)	PAVEMENT, REMOVAL AND REPLACEMENT (CURB & GUTTER)	LF			38	10	48
77	COT 329(C)	SAWCUT	LF	966	120	452	298	1,836
78	COT 329 (D)	4" CONCRETE SIDEWALK, REMOVAL AND REPLACEMENT	SY	4				4
79	COT 333 (A)	2" WATERLINE ABANDONMENT	LF	493	29			522
80	COT 333 (B)	6" WATERLINE ABANDONMENT	LF			539	256	795
81	COT 334	CONSTRUCTION AS-BUILT	EA	-	-	-	-	1
82	SPECIAL	OWNER ALLOWANCE	EA	-	-	-	-	10,000
ITEM NO.	SPEC. NO.	ITEM DESCRIPTION	UNIT	SHT 48	SHT 49	SHT 50	SHT 51	TOTAL
SUMMARY OF WATERLINE QUANTITIES ALTERNATE "A" DIP								
83	COT 307(A)	6" DIP, CL 51 POLYETHYLENE WRAPPED, (RJ)	LF	168	29	250	69	516
84	COT 307(B)	6" DIP, CL 51 POLYETHYLENE WRAPPED	LF	325	-	289	87	701
85	COT 312(A)	6" D.I. 45 DEGREE BEND (RJ)	EA	3	3	4	2	12
86	COT 312(B)	6"X 6" D.I. TEE (RJ)	EA	1	1	3		5
87	COT 312(C)	12" X 12" D.I. TEE (RJ)	EA	1				1
88	COT 312(D)	6" X 2" D.I. REDUCER (RJ)	EA		2			2
89	COT 312(E)	12" X 6" D.I. REDUCER (RJ)	EA	1				1
90	COT 315	3/4" WATER SERVICE CONNECTION (LONG)	EA	1				1
91	COT 317	6" GATE VALVE (RJ)	EA		2	3	1	6
ITEM NO.	SPEC. NO.	ITEM DESCRIPTION	UNIT	SHT 48	SHT 49	SHT 50	SHT 51	TOTAL
SUMMARY OF WATERLINE QUANTITIES ALTERNATE "B" PVC								
92	COT 309(A)	6" PVC, AWWA C900, CLASS 200, DR-14, (RJ)	LF	168	29	250	69	516
93	COT 309(B)	6" PVC, AWWA C900, CLASS 200, DR-14	LF	325	-	289	87	701
94	COT 312(A)	6" 45 DEGREE BEND (RJ)	EA	3	3	4	2	12
95	COT 312(B)	6" X 6" TEE (RJ)	EA	1	1	3		5
96	COT 312(C)	12" X 12" D.I. TEE (RJ)	EA	1				1
97	COT 312(D)	6" X 2" D.I. REDUCER (RJ)	EA		2			2
98	COT 312(E)	12" X 6" D.I. REDUCER (RJ)	EA	1				1
99	COT 315	3/4" WATER SERVICE CONNECTION (LONG)	EA	1				1
100	COT 317	6" GATE VALVE (RJ)	EA	-	2	3	1	6
ITEM NO.	SPEC. NO.	ITEM DESCRIPTION	UNIT	SHT 48	SHT 49	SHT 50	SHT 51	TOTAL
SUMMARY OF WATERLINE QUANTITIES ALTERNATE "C" HDPE								
101	COT 309A	8" HDPE, AWWA C906, PE4710, DR-11 (DIPS)	LF	493	29	539	156	1,217
102	COT 312A(A)	8" HDPE MJ ADAPTOR (DIPS) (RJ)	EA	2	2	5	1	10
103	COT 312A(B)	8" HDPE 45 DEGREE BEND (DIPS)	EA	3	3	4	2	12
104	COT 312A(C)	8" X 8" HDPE TEE (DIPS)	EA	1	1	3		5
105	COT 312A(D)	12" X 12" HDPE TEE (DIPS)	EA	1				1
106	COT 312A(E)	8" HDPE WALL ANCHOR (DIPS)(RJ)	EA	1	1	1	1	4
107	COT 312A(F)	8"X2" HDPE REDUCER (DIPS)	EA		2			2
108	COT 312A(G)	8"X6" HDPE REDUCER (DIPS)	EA	2		4	1	7
109	COT 312A(H)	12"X8" HDPE REDUCER (DIPS)	EA	1				1
110	COT 315	3/4" WATER SERVICE CONNECTION (LONG)	EA	1				1
111	COT 317	8" GATE VALVE (RJ)	EA		2	3	1	6

SUMMARY OF WATER METERS

WATERLINE	STATION	OFFSET	NORTHING	EASTING	ADDRESS	SERVICE SIZE	METER CAN SIZE
A	202+98.43	47' RT	426328.48	2574218.81	2820 E 5TH ST	3/4"	3/4"

SUMMARY OF VALVES & HYDRANTS

WATERLINE	STATION	NORTHING	EASTING	TYPE	QUANTITY	OFFSET	ELEVATION
A	200+07.00	426370.21	2573926.35	12" GATE VALVE	1		755.28
A	200+07.00	426370.21	2573926.35	12" GATE VALVE	1	2' LT	755.28
A	200+07.00	426370.21	2573926.35	12" GATE VALVE	1	2' RT	755.28
A	204+56.00	426356.17	2574375.78	3-WAY FH	1	25' RT	758.40
A	205+28.85	426382.17	2574448.06	6" GATE VALVE	1		757.77
A	205+28.85	426382.17	2574448.06	6" GATE VALVE	1	2' RT	757.77
B	499+90.23	426737.86	2575805.45	6" GATE VALVE	1		751.38
B	500+29.67	426749.37	2575845.72	6" GATE VALVE	1	2' LT	750.81
B	500+45.00	426749.73	2575861.04	3-WAY FH	1	8' RT	750.58
B	504+15.75	426758.25	2576231.69	6" GATE VALVE	1		749.24
B	504+15.75	426750.08	2576231.88	3-WAY FH	1	8' RT	749.24
B	506+55.79	426752.92	2576462.64	6" GATE VALVE	1		735.74

RESTRAINED JOINT LENGTH (FEET)

6" 45° (HORZ.)	7.0
6" 45° (VERT.)	29.0
8" 45° (HORZ.)	9.0
8" 45° (VERT.)	38.0
12"X6" REDUCER	93.0
6" VALVE	69.0
8" VALVE	90.0
12" VALVE	128.0

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

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

TMUA-W 20-14

SUMMARY SHEET (3)  
WATERLINE SUMMARY

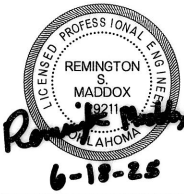
NON-ARTERIAL STREET REHABILITATION ZONE 4014  
PROJECT NO. 2036N4014Z

CITY OF TULSA, OKLAHOMA  
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:

 POE & ASSOCIATES INC.  
Tulsa, Oklahoma

REVISION	BY	DATE	PLAN SCALE:	DRAWN	KS	11/2020	APPROVED:
			1" = NA	DESIGNED	RM	11/2020	
				SURVEY	MW	11/2020	
			PROFILE SCALE:	PROJ. MGR.	AKK	06/25	
				LEAD ENGR.			
			HORIZONTAL:	FIELD MGR.	AKK	7/25	
			1" = NA	RECOMMENDED:			
			VERTICAL	DESIGN MANAGER	AKK		
			1" = NA				
			FILE: H\303914	DRAWING:			CITY ENGINEER
			ATLAS PAGE NO: 10 & 11				DATE: 7/23/2025
							SHEET 12 OF 56 SHEETS

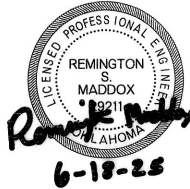




SUMMARY OF DRIVEWAY												
STREET NAME	STATION	LT/RT	RADIUS	OFFSET	APPROX. WIDTH	EXIST SLOPE SIDEWALK	EXIST SLOPE OF DRVE.	PROP. SLOPE SIDEWALK	PROP. SLOPE OF DRVE.	AGG. BASE TYPE A	UNCLASS EXCAV.	6" CONCRETE DRWEWAY
			FT	FT.	FT.	%	%	%	%	CY	CY	SY
E. 5th St	100+75.21	RT	-	30	20	8.50%	6.0%	2.00%	6.0%	12	12	67
E. 4th Pl	120+87.55	RT	-	25	21	14.50%	13.0%	2.00%	13.4%	11	11	65
	122+25.60	RT	-	20	26	10.70%	10.1%	2.00%	10.9%	10	10	57
	127+38.97	RT	5	12	20	NA	4.1%	NA	4.1%	5	5	30
	144+60.00	LT	15	17	27	NA	4.3%	NA	3.9%	11	11	66
E. 3rd St	157+40.00	LT	5	12	20	NA	6.9%	2.00%	3.3%	5	5	26
	161+22.00	LT	5	8	20	NA	6.5%	2.00%	3.3%	3	3	18
College Ave	192+50.39	LT	5	15	14	3.60%	4.9%	2.00%	5.8%	5	5	26
	192+98.33	LT	5	15	14	1.00%	4.6%	1.00%	4.6%	5	5	27
Totals										67	67	382

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

SUMMARY OF STRIPING							
STREET NAME	TRAFFIC STRIPE (PLASTIC)						
	855(A)					855(B)	
	4" WHITE	4" YELLOW	8" WHITE	24" WHITE	24" GREEN	ARROWS	SYMBOLS
	LF	LF	LF	LF	LF	EA	EA
E. 5TH ST	-	-	165	300	-	-	-
E. 4TH PL	100	100	200	640	-	6	-
E. 3RD ST	8800	4730	1720	340	150	-	33
S EVANSTON AV	-	-	-	160	-	-	-
S COLLEGE AV	-	-	-	180	-	-	-
TOTAL	13730		2085	1770		6	33



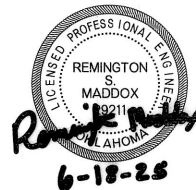
REVISION	BY	DATE	PLAN SCALE:	DRAWN	RM	11/2020	APPROVED:
			1" = NA	DESIGNED	RM	11/2020	
				SURVEY	MW	11/2020	
			PROFILE SCALE:	PROJ. MGR.	RM 06/25		
			HORIZONTAL:	LEAD ENGR.	RM 6/25		
			1" = NA	FIELD MGR.	RM 7/25		
			VERTICAL:	RECOMMENDED:	RM 7-25		
			1" = NA	DESIGN MANAGER	RM 7-25		
			FILE: H\303914	DRAWING: 303914-Summary Sheets	DATE: 7/23/2025		
			ATLAS PAGE NO: 10 & 11		SHEET 13 OF 56 SHEETS		

SUMMARY SHEET (4) ROADWAY SUMMARY
NON-ARTERIAL STREET REHABILITATION ZONE 4014 PROJECT NO. 2036N4014Z
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT
PLANS AND ESTIMATES PREPARED BY: POE & ASSOCIATES INC. Tulsa, Oklahoma

SIGN SUMMARY															
SIGN NO.	STREET NAME	SIGN TYPE	EXISTING			Description	PROPOSED							SIGN STATUS	
			BASELINE STATION	OFFSET			SIGN AREA 850[A]	2"	1 3/4"	1 1/2"	BASELINE STATION				OFFSET
							S.F.	L.F.	L.F.	L.F.					
1	E. 5TH ST	R1-1, COT 608(2)	100+45.08	16.83	LT	STOP, E 5TH ST 2800, S DELAWARE AV	15.68	3	10.5	2	100+45.08	16.83	LT	30" X 30", 9" X 36", 9" X 48"	NEW
2		R7-2	101+39.08	17.00	LT	NO PARKING SYMBOL WITH DOUBLE ARROW	1.5	3	9.5		101+39.08	17.00	LT	12" X 18"	REMOVE AND REPLACE
3		R7-2	101+28	15.95	RT	NO PARKING SYMBOL WITH DOUBLE ARROW									EXISTING TO REMAIN
4		W11-2, 16-9P	101+95	16.00	RT	PEDESTRIAN CROSSING WITH AHEAD	8.25	3	13		101+95	16.00	RT	30" X 30", 24"x12"	NEW
5		R7-2	103+30	16.80	LT	NO PARKING SYMBOL WITH DOUBLE ARROW									EXISTING TO REMAIN
6		R1-5	103+31	16.25	RT	YIELD HERE TO PEDESTRIANS	9	3	11		103+31	16.25	RT	36" X 36"	NEW
7		R7-2	103+50.05	15.00	RT	NO PARKING SYMBOL WITH DOUBLE ARROW	1.5	3	9.5		103+00	15.00	RT	12" X 18"	REMOVE AND REPLACE
8		W11-2, 16-7P	103+51	16.25	RT	PEDESTRIAN CROSSING WITH DIAGONAL DOWNWARD ARROW	8.44	3	13		103+51	16.25	RT	30" X 30", 21"x15"	NEW
9		W11-2, 16-7P	103+69	16.25	LT	PEDESTRIAN CROSSING WITH DIAGONAL DOWNWARD ARROW	8.44	3	13		103+69	16.25	LT	30" X 30", 21"x15"	NEW
10		R1-5	103+99	16.25	LT	YIELD HERE TO PEDESTRIANS	9	3	11		103+99	16.25	LT	36" X 36"	NEW
11		R7-2	104+45	16.20	LT	NO PARKING SYMBOL WITH DOUBLE ARROW									EXISTING TO REMAIN
12		R7-2	104+79.07	16.25	RT	NO PARKING SYMBOL WITH DOUBLE ARROW									EXISTING TO REMAIN
13		W11-2	104+79.65	16.05	LT	PEDESTRIAN CROSSING WITH LIGHT									REMOVE
14		W11-2, 16-9P	105+15	16.00	LT	PEDESTRIAN CROSSING WITH AHEAD	8.25	3	13		105+15	16.00	LT	30" X 30", 24"x12"	NEW
15		R1-1, R1-3P	105+23	16.21	RT	STOP, ALL WAY	5.93	3	11		105+23	16.21	RT	30" X 30", 18" X 6"	NEW
16		R1-1, R1-3P	105+85	15.87	LT	STOP, ALL WAY	5.93	3	11		105+85	15.87	LT	30" X 30", 18" X 6"	NEW
17		W11-2	105+90.67	16.36	RT	PEDESTRIAN CROSSING									REMOVE
18		R7-2	106+21	16.00	LT	NO PARKING SYMBOL WITH DOUBLE ARROW	1.5	3	9.5		106+21	16.00	LT	12" X 18"	REMOVE AND REPLACE
19		R1-5	106+24	16.25	RT	YIELD HERE TO PEDESTRIANS	9	3	11		106+24	16.25	RT	36" X 36"	NEW
20		W11-2, 16-7P	106+47	16.36	RT	PEDESTRIAN CROSSING WITH DIAGONAL DOWNWARD ARROW	8.44	3	13		106+47	16.36	RT	30" X 30", 21"x15"	NEW
21		W11-2, 16-7P	106+64	16.36	LT	PEDESTRIAN CROSSING WITH DIAGONAL DOWNWARD ARROW	8.44	3	13		106+64	16.36	LT	30" X 30", 21"x15"	NEW
22		R1-5	106+90	16.25	LT	YIELD HERE TO PEDESTRIANS	9	3	11		106+90	16.25	LT	36" X 36"	NEW
23		R7-6	107+80	16.40	LT	NO PARKING SYMBOL LOADING ZONE	1.5	3	9.5		107+80	16.40	LT	12" X 18"	NEW
24		W11-2, 16-9P	108+00	16.40	LT	PEDESTRIAN CROSSING WITH AHEAD	8.25	3	13		108+00	16.40	LT	30" X 30", 24"x12"	NEW
25		R7-2	108+49.32	15.36	RT	NO PARKING SYMBOL WITH DOUBLE ARROW	1.5	3	9.5		108+49.32	15.36	RT	12" X 18"	REMOVE AND REPLACE
26		R1-1, R1-3P	108+92	16.25	RT	STOP, E 5TH ST, S COLLEGE AV, ALL WAY	10.93	3	11	2	108+92	16.25	RT	30" X 30", 6" X 24", 6" X 36", 18" X 6"	NEW
27		R1-1, COT 608 (2), R1-3P	109+49	15.63	LT	STOP, E 5TH ST (PRIVATE), S COLLEGE AV, ALL WAY	10.93	3	11	2	109+49	15.63	LT	30" X 30", 6" X 24", 6" X 36", 18" X 6"	NEW
28		W14-2, SPECIAL	109+60	16.25	RT	NO OUTLET, PRIVATE PARKING LOTS	8.5	3	13		109+60	16.25	RT	30" X 30", 18" X 18"	NEW
29	E. 4TH PL	R1-1, COT 608(2)	120+42	29.10	LT	STOP, E 4TH PL 2800, S DELAWARE AV	15.68	3	11	2	120+42	29.10	LT	30" X 30", 9" X 36", 9" X 48"	NEW
30		R2-1(25)	121+08	17.30	RT	SPEED LIMIT (25 MPH)	5	3	10.5		121+19	15.80	RT	24" X 30"	REMOVE AND REPLACE
31		R7-2	121+41.46	15.14	RT	NO PARKING SYMBOL WITH DOUBLE ARROW	1.5	3	9.5		121+41.46	15.14	RT	12" X 18"	REMOVE AND REPLACE
32		R7-2	121+89.70	22.17	LT	NO PARKING THIS SIDE									REMOVE
33		R7-2	122+52.12	16.82	LT	NO PARKING SYMBOL WITH DOUBLE ARROW	1.5	3	9.5		122+52.12	16.82	LT	12" X 18"	REMOVE AND REPLACE
34		W11-2, 16-9P	123+70	16.20	RT	PEDESTRIAN CROSSING WITH AHEAD	8.25	3	13		123+70	16.20	RT	30" X 30", 24"x12"	NEW
35		R7-2	124+68.24	15.48	RT	NO PARKING SYMBOL WITH DOUBLE ARROW	1.5	3	9.5		124+68.24	15.48	RT	12" X 18"	REMOVE AND REPLACE
36		R7-2	124+96.12	16.45	LT	NO PARKING SYMBOL WITH DOUBLE ARROW	1.5	3	9.5		124+96.12	16.45	LT	12" X 18"	REMOVE AND REPLACE
37		W11-2, RRFB, W16-7P	125+28.53	18.38	LT	PEDESTRIAN CROSSING WITH LIGHT, ARROW (ON MAST POLE)	8.44	3	13		125+28.53	18.38	LT	30" X 30", 21"x15"	REMOVE AND REPLACE
38		W11-2, RRFB, W16-7P	125+35.37	16.61	RT	PEDESTRIAN CROSSING WITH LIGHT, ARROW (ON MAST POLE)	8.44	3	13		125+35.37	16.61	RT	30" X 30", 21"x15"	REMOVE AND REPLACE
39		R7-2	126+33.83	15.19	RT	NO PARKING SYMBOL WITH DOUBLE ARROW	1.5	3	9.5		126+33.83	15.19	RT	12" X 18"	REMOVE AND REPLACE
40		W11-2, 16-9P	127+70	16.60	LT	PEDESTRIAN CROSSING WITH AHEAD	8.25	3	13		127+70	16.60	LT	30" X 30", 24"x12"	NEW
41		R7-2	128+51.30	15.36	LT	NO PARKING SYMBOL WITH DOUBLE ARROW	1.5	3	9.5		128+51.30	15.36	LT	12" X 18"	REMOVE AND REPLACE
42		R1-1, R1-3P	128+91	17.20	RT	STOP, ALL WAY	5.93	3	11		128+91	17.20	RT	30" X 30", 18" X 6"	NEW
43		R1-1, R1-3P	129+65	16.10	LT	STOP, ALL WAY	5.93	3	11		129+65	16.10	LT	30" X 30", 18" X 6"	NEW
44		R7-2	130+06.06	15.26	LT	NO PARKING SYMBOL WITH DOUBLE ARROW	1.5	3	9.5		130+06.06	15.26	LT	12" X 18"	REMOVE AND REPLACE
45		R7-2	130+25.37	15.46	RT	NO PARKING SYMBOL WITH DOUBLE ARROW	1.5	3	9.5		130+25.37	15.46	RT	12" X 18"	REMOVE AND REPLACE
46		R7-2	132+31.99	15.25	LT	NO PARKING SYMBOL WITH DOUBLE ARROW	1.5	3	9.5		132+31.99	15.25	LT	12" X 18"	REMOVE AND REPLACE
47		R7-2	132+44.60	14.92	RT	NO PARKING SYMBOL WITH DOUBLE ARROW	1.5	3	9.5		132+44.60	14.92	RT	12" X 18"	REMOVE AND REPLACE
48		R1-1	132+81	33.00	LT	STOP	5.18	3	11		132+81	33.00	LT	30" X 30"	NEW
49		R1-1, COT 608(2)	133+11	28.60	RT	STOP, E 4TH PL, S FLORENCE AV	10.18	3	11	2	133+11	28.60	RT	30" X 30", 6" X 24", 6" X 36"	NEW
50		R2-1(25)	133+50	16.25	RT	SPEED LIMIT (25 MPH)	5	3	10.5		133+50	16.25	RT	24" X 30"	NEW
51		W11-2, 16-9P	133+80	16.40	RT	PEDESTRIAN CROSSING WITH AHEAD	8.25	3	13		133+80	16.40	RT	30" X 30", 24"x12"	NEW
52		R7-2	133+89.38	14.47	LT	NO PARKING SYMBOL WITH DOUBLE ARROW	1.5	3	9.5		133+89.38	14.47	LT	12" X 18"	REMOVE AND REPLACE
53		W11-2	134+53.36	16.94	RT	PEDESTRIAN CROSSING									REMOVE
54		W11-2, W16-7P	135+04	16.50	RT	PEDESTRIAN CROSSING, WITH DIAGONAL DOWNWARD ARROW									REMOVE
55		R1-5	135+04	16.50	RT	YIELD HERE TO PEDESTRIANS	9	3	11		135+04	16.50	RT	36" X 36"	NEW
56		W11-2, 16-7P	135+30	16.25	RT	PEDESTRIAN CROSSING WITH DIAGONAL DOWNWARD ARROW	8.44	3	13		135+30	16.25	RT	30" X 30", 21"x15"	NEW
57		W11-2, 16-7P	135+52	16.25	LT	PEDESTRIAN CROSSING WITH DIAGONAL DOWNWARD ARROW	8.44	3	13		135+52	16.25	LT	30" X 30", 21"x15"	NEW
58		R1-5	135+77	16.25	LT	YIELD HERE TO PEDESTRIANS	9	3	11		135+77	16.25	LT	36" X 36"	NEW
59		R7-2	136+43.72	15.59	LT	NO PARKING SYMBOL WITH DOUBLE ARROW	1.5	3	9.5		136+43.72	15.59	LT	12" X 18"	REMOVE AND REPLACE
60		R1-5	136+81	16.25	RT	YIELD HERE TO PEDESTRIANS	9	3	11		136+81	16.25	RT	36" X 36"	NEW
61		W11-2, 16-7P	137+01	16.25	RT	PEDESTRIAN CROSSING WITH DIAGONAL DOWNWARD ARROW	8.44	3	13		137+01	16.25	RT	30" X 30", 21"x15"	NEW
62		W11-2, 16-7P	137+11	16.25	LT	PEDESTRIAN CROSSING WITH DIAGONAL DOWNWARD ARROW	8.44								

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SIGN SUMMARY													
SIGN NO.	STREET NAME	SIGN TYPE	EXISTING			Description	PROPOSED						SIGN STATUS
			BASELINE STATION	OFFSET			SIGN AREA 850[A]	2"	1 3/4"	1 1/2"	BASELINE STATION	OFFSET	
							S.F.	L.F.	L.F.				
85	E 3RD ST	R10-15M	150+31.00	25.82	LT	TURNING VEHICLES YIELD TO BICYCLES							EXISTING TO REMAIN
86		SPECIAL	150+97.44	22.17	RT	TULSA TRANSIT BUS STOP							EXISTING TO REMAIN
87		R3-17, R7-9A	151+36.97	19.23	RT	BIKE LANE, NO PARKING BIKE LANE							EXISTING TO REMAIN
88		R2-1(30)	151+60	24.50	LT	SPEED LIMIT (30MPH)	5	3	10.5		151+60	24.50	NEW
89		R3-17, R7-9A	154+25.80	24.48	LT	BIKE LANE, NO PARKING BIKE LANE							EXISTING TO REMAIN
90		SPECIAL	154+99.18	29.64	LT	TULSA TRANSIT BUS STOP							EXISTING TO REMAIN
91		R1-1, COT 608(2)	155+33.55	45.00	LT	STOP, E 3RD ST, S EVANSTON AV 300	15.68	3	10.5	2	155+33.55	45.00	NEW
92		R3-17, R7-9A	156+48.79	24.28	RT	BIKE LANE, NO PARKING BIKE LANE					156+48.79	24.28	EXISTING TO REMAIN
93		R3-17, R7-9A	158+61.07	23.96	LT	BIKE LANE, NO PARKING BIKE LANE					158+61.07	23.96	EXISTING TO REMAIN
94		R1-1, COT 608(2)	159+12.50	32.13	LT	STOP, E 3RD ST, S COLLEGE E AV 300	14.93	3	10.5	2	159+12.50	32.13	NEW
95		R3-17, R7-9A	159+83.75	24.59	RT	BIKE LANE, NO PARKING BIKE LANE					159+83.75	24.59	EXISTING TO REMAIN
96		R7-2	159+97.66	23.76	LT	NO PARKING SYMBOL WITH DOUBLE ARROW					159+97.66	23.76	EXISTING TO REMAIN
97		SPECIAL	160+22.06	23.51	RT	TULSA TRANSIT BUS STOP					160+22.06	23.51	EXISTING TO REMAIN
98		R3-17, R7-9A	161+90.63	24.31	LT	BIKE LANE, NO PARKING BIKE LANE					161+90.63	24.31	EXISTING TO REMAIN
99		R7-2	162+31.37	23.74	RT	NO PARKING SYMBOL WITH DOUBLE ARROW					162+31.37	23.74	EXISTING TO REMAIN
100		R1-1, COT 608(2)	162+79.07	27.46	LT	STOP, E 3RD ST, S FLORENCE AV 300	14.93	3	10.5	2	162+79.07	27.46	NEW
101		R1-1, COT 608(2)	163+13.38	32.58	RT	STOP, E 3RD ST, S FLORENCE AV 300	14.93	3	10.5	2	163+13.38	32.58	NEW
102		R3-17, R7-9A	163+61.96	24.01	RT	BIKE LANE, NO PARKING BIKE LANE					163+61.96	24.01	EXISTING TO REMAIN
103		R7-2	165+45.46	24.42	LT	NO PARKING SYMBOL WITH DOUBLE ARROW					165+45.46	24.42	EXISTING TO REMAIN
104		R7-2	165+47.14	24.40	RT	NO PARKING SYMBOL WITH DOUBLE ARROW					165+47.14	24.40	EXISTING TO REMAIN
105		SPECIAL, R8-3	167+85.13	23.47	LT	TULSA TRANSIT BUS STOP, NO PARKING SYMBOL					167+85.13	23.47	EXISTING TO REMAIN
106		R7-2	167+94.05	24.39	RT	NO PARKING SYMBOL WITH DOUBLE ARROW					167+94.05	24.39	EXISTING TO REMAIN
107		R3-17, R7-9A	168+27.40	23.58	LT	BIKE LANE, NO PARKING BIKE LANE					168+27.40	23.58	EXISTING TO REMAIN
108		R1-1, COT 608(2)	168+38.10	33.31	LT	STOP, E 3RD ST, S GARY AV 300					168+38.10	33.31	EXISTING TO REMAIN
109		R1-1, COT 608(2)	168+95	35.00	RT	STOP, E 3RD ST, S GARY AV 300	14.18	3	10.5	2	168+95	35.00	NEW
110		R3-17, R7-9A	169+33.93	24.36	RT	BIKE LANE, NO PARKING BIKE LANE					169+33.93	24.36	EXISTING TO REMAIN
111		R7-2	169+89.21	23.88	RT	NO PARKING SYMBOL WITH DOUBLE ARROW					169+89.21	23.88	EXISTING TO REMAIN
112		R2-1(30)	171+75.09	23.25	LT	SPEED LIMIT (30MPH)					171+75.09	23.25	EXISTING TO REMAIN
113		R3-17, R7-9A	172+02.79	24.68	RT	BIKE LANE, NO PARKING BIKE LANE	4.5	3	11		172+02.79	24.68	NEW
114		R3-17, R7-9A	172+21.50	23.35	LT	BIKE LANE, NO PARKING BIKE LANE					172+21.50	23.35	EXISTING TO REMAIN
115		R1-1, COT 608(2)	172+34.58	42.10	LT	STOP, E 3RD ST, S WAVERLY DR 300	14.93	3	10.5	2	172+34.58	42.10	NEW
116		R7-2	173+24.97	32.22	LT	NO PARKING SYMBOL WITH DOUBLE ARROW							EXISTING TO REMAIN
117		R7-2	173+92.07	23.73	RT	NO PARKING SYMBOL WITH DOUBLE ARROW (ON POWER POLE)							EXISTING TO REMAIN
118		COT 608(2)	174+78.29	48.86	RT	E 4TH ST 3200, E 3RD ST 3200							REMOVE
119		R1-1	175+28.28	76.40	RT	STOP							REMOVE
120		SPECIAL	175+49.38	23.53	LT	TULSA TRANSIT BUS STOP							EXISTING TO REMAIN
121		R1-1, COT 608(2)	175+59.62	31.07	RT	STOP, E 3RD ST, E 4TH ST 300	14.18	3	10.5	2	175+59.62	31.07	NEW
122		R3-17, R7-9A	175+86.71	23.06	LT	BIKE LANE, NO PARKING BIKE LANE							EXISTING TO REMAIN
123		SPECIAL	176+19.51	24.71	LT	KENDALL WHITTIER NEIGHBORHOOD SIGN							EXISTING TO REMAIN
124		R10-15M	176+28.13	20.67	RT	TURNING VEHICLES YIELD TO BICYCLES							EXISTING TO REMAIN
125	S EVANSTON AVE	R1-1, COT 608(2), R1-3P	180+32	19.95	LT	STOP, E 5TH ST, S EVANSTON AV, ALL WAY	10.93	3	10.5	2	180+30.68	20.36	NEW
126		R7-2	180+69.93	15.92	RT	NO PARKING SYMBOL WITH DOUBLE ARROW	1.5	3	9.5		180+30.69	21.36	REMOVE AND REPLACE
127		SPECIAL	181+01.85	20.83	LT	RESERVED PARKING FOR TENANTS ONLY UNAUTHORIZED VEHICLES TOWED AWAY							EXISTING TO REMAIN
128		R7-2	182+70.03	15.29	RT	NO PARKING SYMBOL WITH DOUBLE ARROW	1.5	3	9.5		180+30.71	23.36	REMOVE AND REPLACE
129		R1-1, COT 608(2)	183+18	16.10	RT	STOP, E 4TH PL, S EVANSTON AV	10.18	3	11	2	183+18	16.10	NEW
130		R1-1, COT 608(2)	183+82	20.38	LT	STOP, E 4TH PL, S EVANSTON AV (BLACK)	10.18	3	11	2	183+82	20.38	NEW
131		R7-2	186+78.42	16.12	RT	NO PARKING SYMBOL WITH DOUBLE ARROW	1.5	3	9.5		186+78.42	16.12	REMOVE AND REPLACE
132		R7-2	188+09.87	15.80	RT	NO PARKING SYMBOL WITH DOUBLE ARROW	1.5	3	9.5		188+09.87	15.80	REMOVE AND REPLACE
133		R1-1, COT 608(2)	189+32.43	19.68	RT	STOP, E 3RD ST, S EVANSTON AV 300 (BLACK)	15.68	3	10.5	2	189+32.43	19.68	NEW
134	S COLLEGE AVE	R1-1, COT 608(2), R1-3P	190+27.32	17.29	LT	STOP, E 5TH ST, S COLLEGE AV, ALL WAY	10.93	3	10.5	2	190+27.32	17.29	NEW
135		R7-2	190+81.95	17.78	LT	NO PARKING SYMBOL WITH DOUBLE ARROW	1.5	3	9.5		190+81.95	17.78	REMOVE AND REPLACE
136		R7-2	191+73.20	18.06	LT	NO PARKING SYMBOL WITH DOUBLE ARROW	1.5	3	9.5		191+73.20	18.06	REMOVE AND REPLACE
137		R7-2	192+80.67	17.48	LT	NO PARKING SYMBOL WITH DOUBLE ARROW	1.5	3	9.5		192+80.67	17.48	REMOVE AND REPLACE
138		R1-1, R1-3P	193+17	16.74	RT	STOP, ALL WAY	5.93	3	11		193+17	16.74	NEW
139		R1-1, COT 608(2), R1-3P	193+76.16	18.38	LT	STOP, E 4TH PL, S COLLEGE AV, ALL WAY	10.93	3	11	2	193+80.88	18.38	NEW
140		R7-2	194+24.80	17.89	RT	NO PARKING SYMBOL WITH RIGHT ARROW	1.5	3	9.5		194+24.80	17.89	REMOVE AND REPLACE
141		R7-2	194+44.70	18.06	LT	NO PARKING SYMBOL WITH DOUBLE ARROW	1.5	3	9.5		194+44.70	18.06	REMOVE AND REPLACE
142		R7-2	194+81.74	17.72	LT	NO PARKING SYMBOL WITH DOUBLE ARROW	1.5	3	9.5		194+81.74	17.72	REMOVE AND REPLACE
143		S1-1, W16-9P	194+82.37	17.80	RT	SCHOOL CROSSING, AHEAD							REMOVE
144		R7-6	196+01.03	25.15	LT	NO PARKING PASSENGER ZONE 3 MIN LIMIT	1.5				196+01.03	25.15	EXISTING TO REMAIN
145		R7-6	196+70.81	25.39	LT	NO PARKING PASSENGER ZONE 3 MIN LIMIT	1.5				196+70.81	25.39	EXISTING TO REMAIN
146		S1-1, W16-9P	198+32.94	18.44	LT	SCHOOL CROSSING, AHEAD							REMOVE
147		R7-2	198+80.79	18.92	LT	NO PARKING SYMBOL WITH DOUBLE ARROW	1.5	3	9.5		198+80.79	18.92	REMOVE AND REPLACE
148		R1-1, COT 608(2)	199+09.86	19.27	RT	STOP, E 3RD ST, S COLLEGE AV 300	14.18	3	10.5	2	199+09.86	19.27	NEW
TOTAL:							667.5	300	1081	42			



SUMMARY SHEET (6) SIGN SUMMARY CONT'D							
NON-ARTERIAL STREET REHABILITATION ZONE 4014 PROJECT NO. 2036N4014Z							
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT							
PLANS AND ESTIMATES PREPARED BY: POE & ASSOCIATES INC. Tulsa, Oklahoma							
REVISION	BY	DATE	PLAN SCALE:	DRAWN	RM	11/2020	APPROVED:
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				SURVEY	MW	11/2020	
			PROFILE SCALE:	PROJ. MGR.	RM	06/25	
				LEAD ENGR.	RM	06/25	
			HORIZONTAL:	FIELD MGR.	RM	07/26	
				RECOMMENDED:	RM	07/26	
			VERTICAL	DESIGN MANAGER	RM	07/26	
			1" = NA				
			FILE: H1303914	DRAWING: 303914-Summary Sheets			
			ATLAS PAGE NO. 10 & 11				



# STORM WATER MANAGEMENT PLAN

REVISIONS	
DESCRIPTION	DATE

## SITE DESCRIPTION

PROJECT LIMITS: MAINTENANCE ZONE 4014, E. 5TH ST TO E. 3RD ST  
BETWEEN DELAWARE AVE AND HARVARD AVE

PROJECT DESCRIPTION: MILL, PATCH AND OVERLAY OF EXISTING APC STREETS.  
UPGRADING STORMWATER INLETS AND REPLACING WATERLINES.

SUGGESTED SEQUENCE OF EROSION CONTROL ACTIVITIES:

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

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

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

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

(5) REMOVE TEMPORARY EROSION CONTROL DEVICES.

SOIL TYPE: LEAN CLAY

TOTAL AREA OF THE  
CONSTRUCTION SITE: 5.0 ACRES

ESTIMATED AREA TO BE DISTURBED: 0.6 ACRES

OFFSITE AREA TO BE DISTURBED:  
(FOR CONTRACTOR USE)

TOTAL IMPERVIOUS AREA  
PRE-CONSTRUCTION: 95%

TOTAL IMPERVIOUS AREA  
POST-CONSTRUCTION: 95%

POST-CONSTRUCTION RUNOFF  
COEFFICIENT OF THE SITE: 0.90

LATITUDE & LONGITUDE  
OF CENTER OF PROJECT: 36°09'18.1"N, 95°56'41.6"W

### PROJECT WILL DISCHARGE TO:

NAME OF RECEIVING WATERS: COAL CREEK

SENSITIVE WATERS OR WATERSHEDS: YES ☐ NO ☒

303(d) IMPAIRED WATERS: YES ☒ NO ☐

IF YES, LIST IMPAIRMENT: 4a - ESCHERICHIA COLI, 5c - MACROINVERTEBRATE BIO

LOCATED IN A TMDL: YES ☒ NO ☐

LAKE THUNDERBIRD TMDL: YES ☐ NO ☒

MS4 ENTITY YES ☒ NO ☐

IF YES, LOCATION: OKS 000201, TULSA, OK

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

REVISED 07 / 13 / 2017

## EROSION AND SEDIMENT CONTROLS

### SOIL STABILIZATION PRACTICES:

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

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

### STRUCTURAL PRACTICES:

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

### OFFSITE VEHICLE TRACKING:

- \_\_\_\_\_ HAUL ROADS DAMPENED FOR DUST CONTROL
- X \_\_\_\_\_ LOADED HAUL TRUCKS TO BE COVERED WITH TARPULIN
- X \_\_\_\_\_ EXCESS DIRT ON ROAD REMOVED DAILY

### NOTES:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE  
FOLLOWING:

### MAINTENANCE AND INSPECTION:

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

### WASTE MATERIALS:

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

### HAZARDOUS MATERIALS:

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

### GENERAL NOTES:

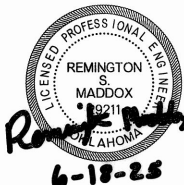
A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IS REQUIRED TO COMPLY WITH THE  
OKLAHOMA POLLUTION DISCHARGE ELIMINATION SYSTEM (OPDES) REGULATIONS. THIS PLAN IS  
INITIATED DURING THE DESIGN PHASE, CONFIRMED IN THE PRE-WORK MEETINGS AND AVAILABLE  
ON THE JOB SITE ALONG WITH COPIES OF THE NOTICE OF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

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

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

### IN ADDITION:

"ODEQ GENERAL PERMIT (OKR10) FOR STORM WATER  
DISCHARGES FROM CONSTRUCTION ACTIVITIES WITHIN THE  
STATE OF OKLAHOMA." ODEQ, WATER QUALITY DIVISION,  
NOVEMBER 1, 2023.



REVISION	BY	DATE	PLAN SCALE:	DRAWN	RM	11/2020	APPROVED:
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				SURVEY	MW	11/2020	
			PROFILE SCALE:	PROJ. MGR.	PDH	6/1/2025	
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				FIELD MGR.	DEM	7/25	
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			FILE: H:\303914	DRAWN	303914-Storm Water Mgmt Plan	DATE: 7/23/2025	
			ATLAS PAGE NO: 10 & 11				SHEET 16 OF 56 SHEETS

### STORM WATER MANAGEMENT PLAN

NON-ARTERIAL STREET REHABILITATION ZONE 4014  
PROJECT NO. 2036N4014Z

CITY OF TULSA, OKLAHOMA  
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:

POE & ASSOCIATES INC.  
Tulsa, Oklahoma

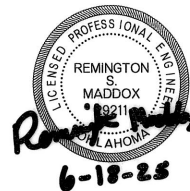
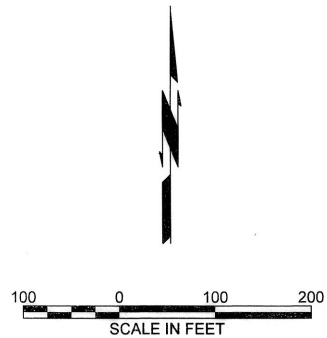
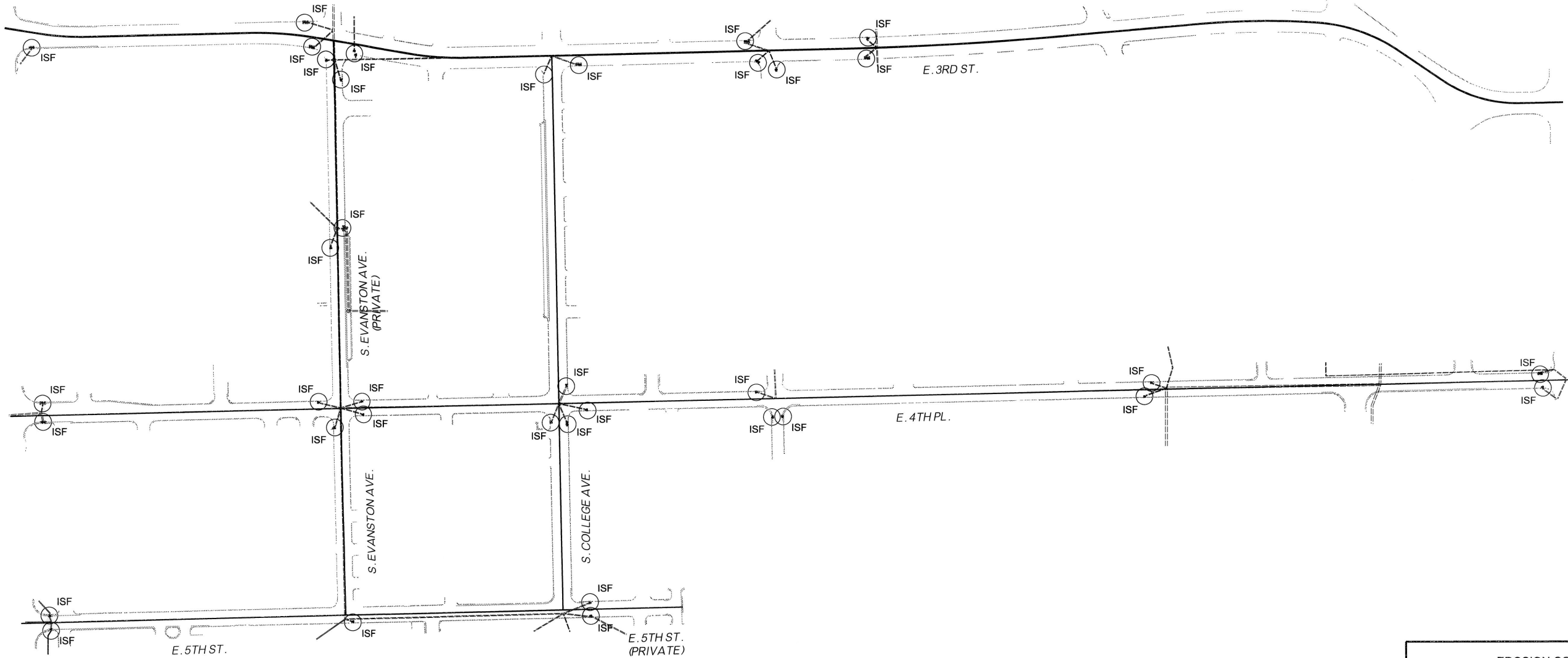
CITY ENGINEER


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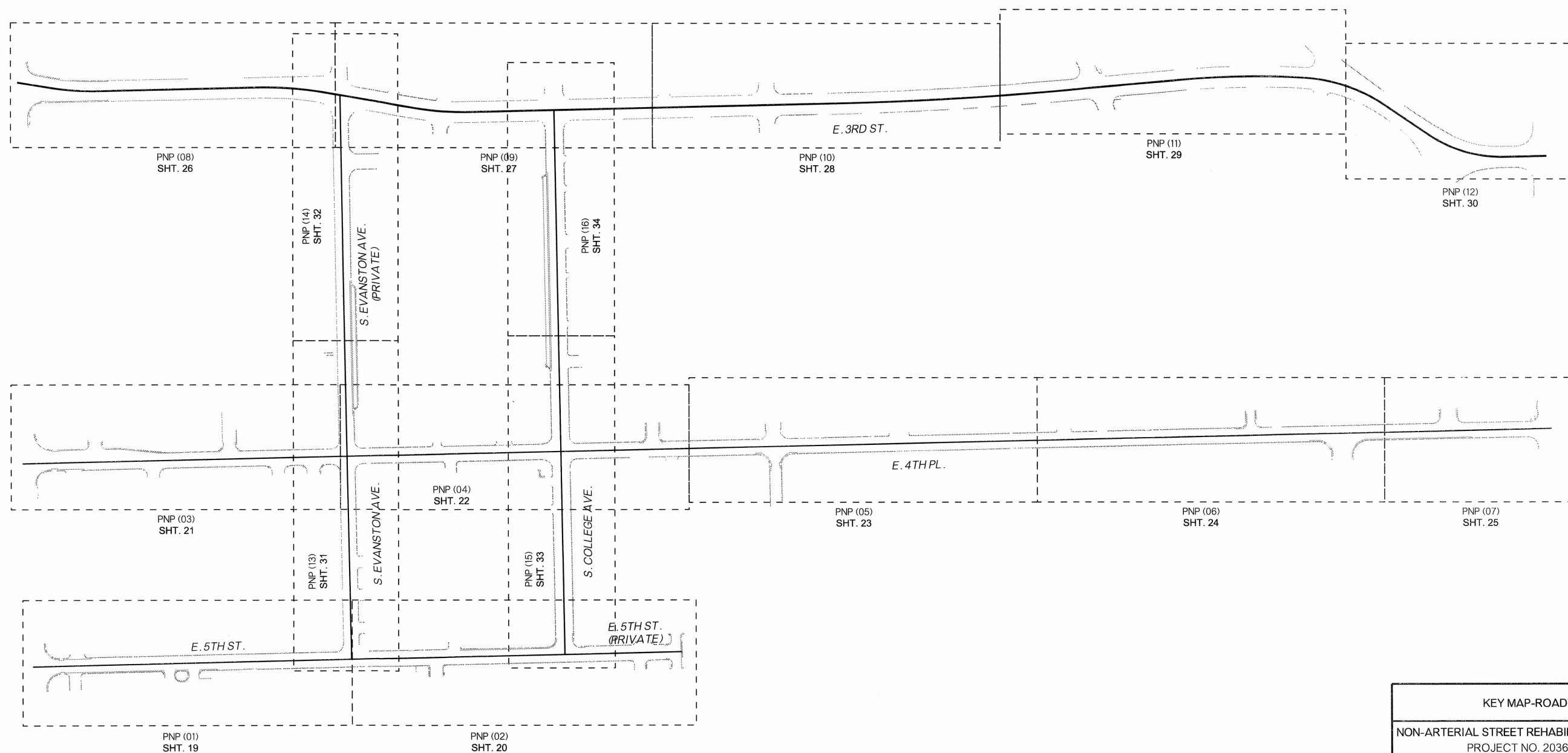


INLET SEDIMENT FILTER



EROSION CONTROL			
NON-ARTERIAL STREET REHABILITATION ZONE 4014 PROJECT NO. 2036N4014Z			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:  POE & ASSOCIATES INC. Tulsa, Oklahoma			
REVISION	BY	DATE	
			PLAN SCALE: 1" = 100'
			DRAWN: KS 11/2020
			DESIGNED: RM 11/2020
			SURVEY: MW 11/2020
			PROFILE SCALE: PROJ. MGR. PDH 6/25
			LEAD ENGR. BOL 4/25
			1" = NA FIELD MGR. BOW 7/25
			VERTICAL: 1" = NA
			RECOMMENDED: J. D. M. DESIGN MANAGER
			FILE: H:\303914 DRAWING: DATE: 7/23/2025
			ATLAS PAGE NO: 10 & 11 SHEET 17 OF 56 SHEETS

CITY ENGINEER



# KEY MAP-ROADWAY

## NON-ARTERIAL STREET REHABILITATION ZONE 4014

### PROJECT NO. 2036N4014Z

CITY OF TULSA, OKLAHOMA

PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:

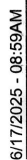
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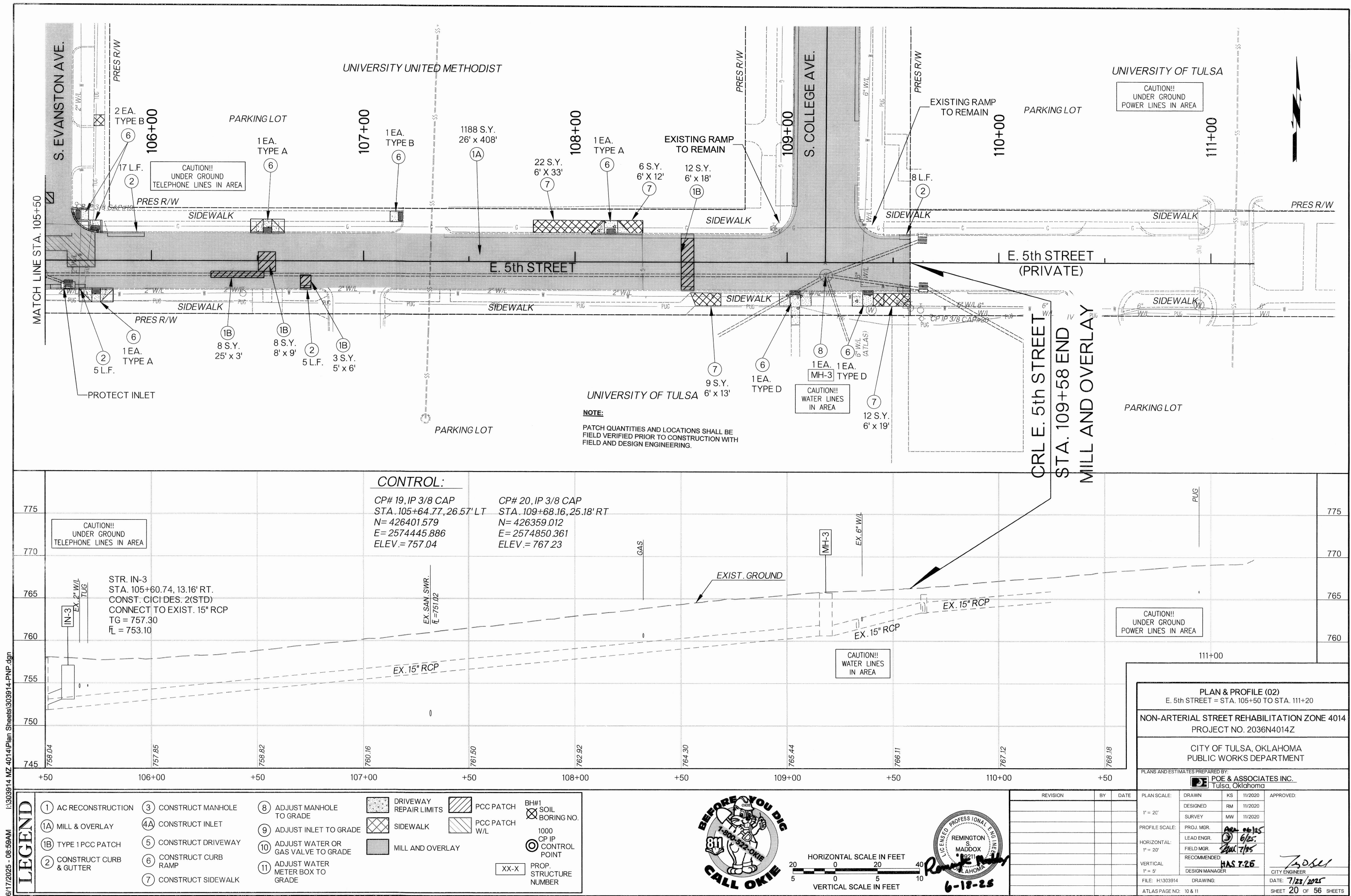
Tulsa, Oklahoma

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	1" = 100'			
	PROFILE SCALE:	<div>PROJ. MGR.</div> <div>LEAD ENGR.</div> <div>FIELD MGR.</div> <div>RECOMMENDED</div>	<div><i>AKK 06/15</i></div> <div><i>① 6/15</i></div> <div><i>AKK 7/15</i></div> <div><b>HAS 7-25</b></div>	
	HORIZONTAL:			
	1" = NA			
	VERTICAL			
1" = NA		DESIGN MANAGER		CITY ENGINEER
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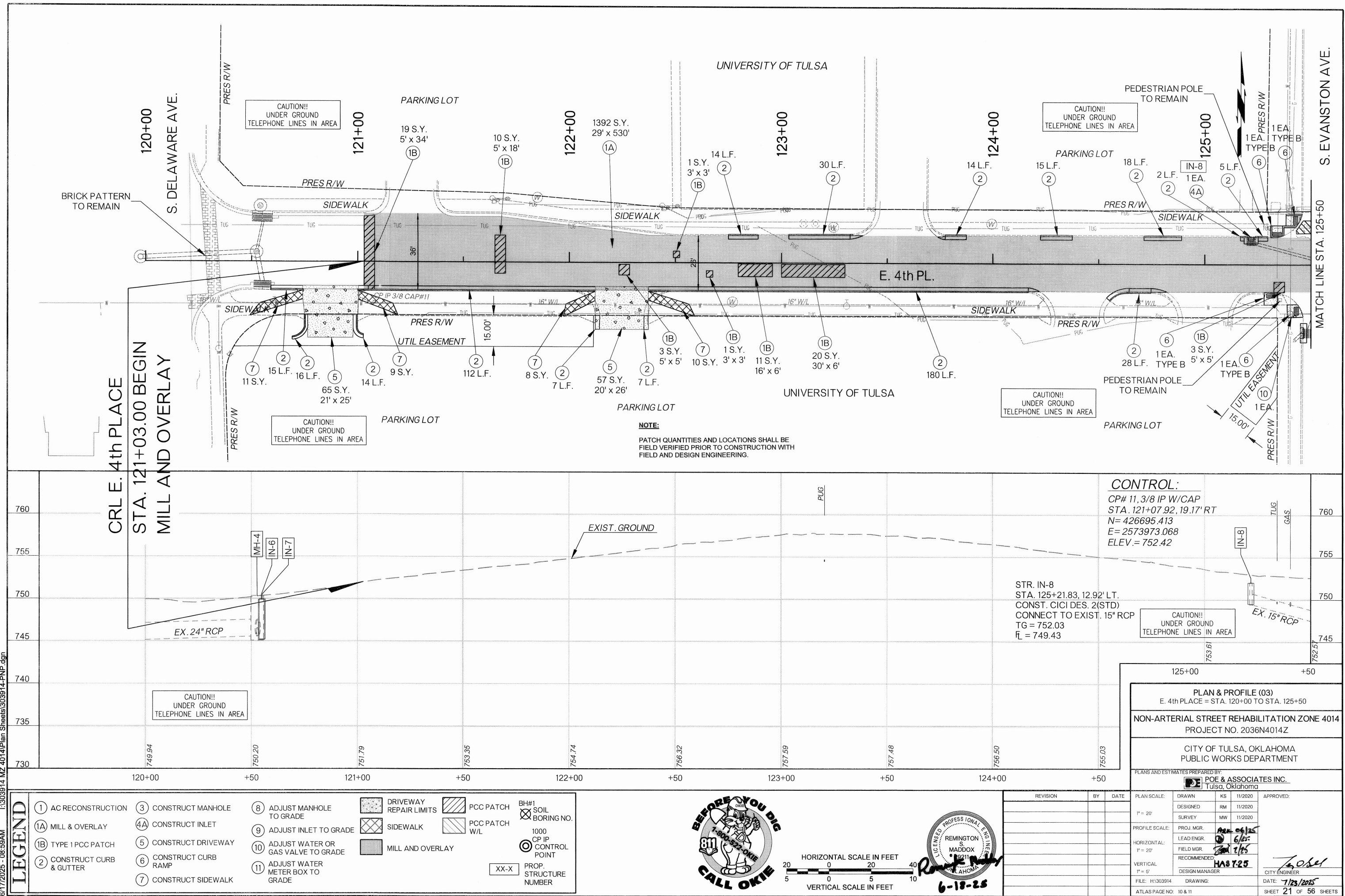






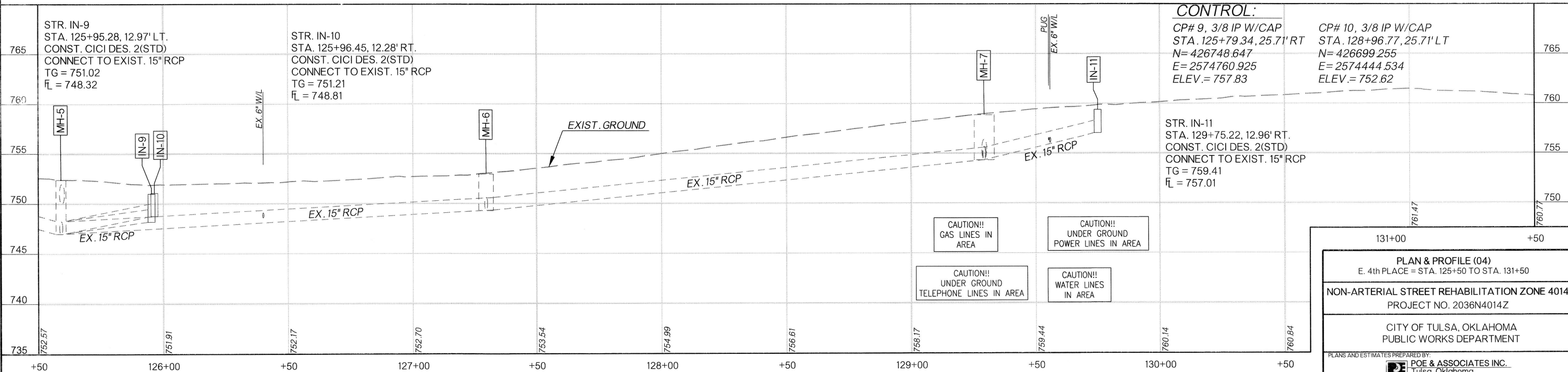
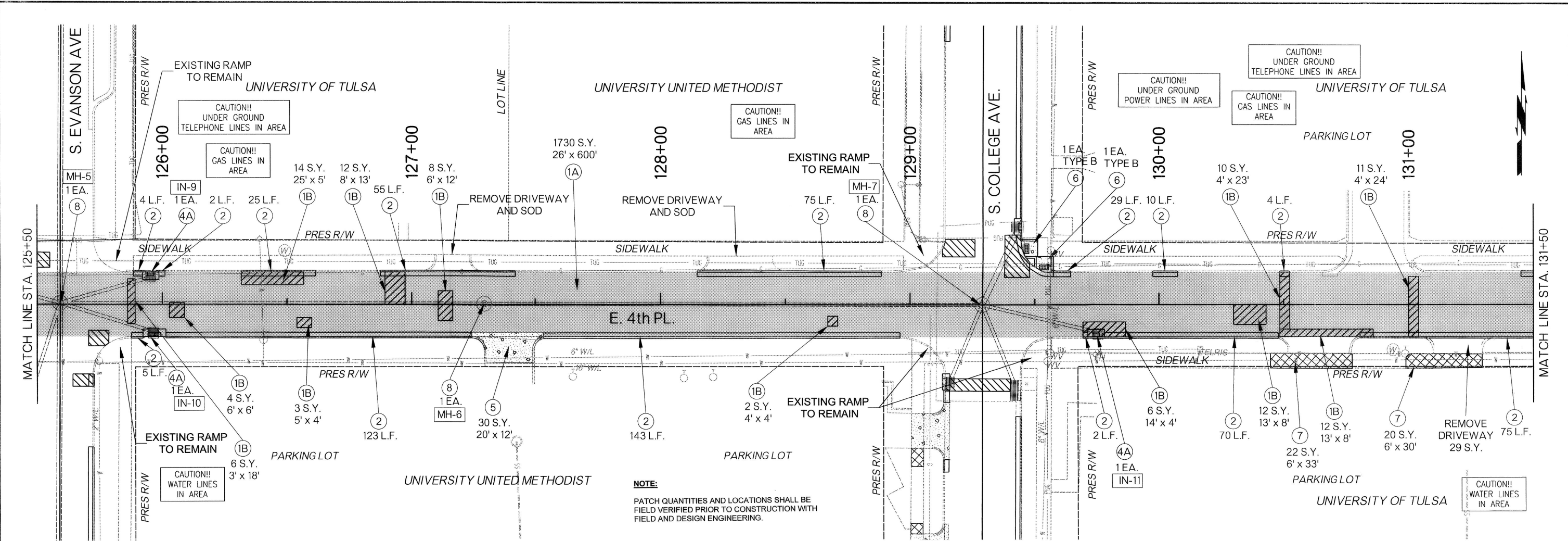








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LEGEND		LEGEND		LEGEND	
① AC RECONSTRUCTION	③ CONSTRUCT MANHOLE	⑧ ADJUST MANHOLE TO GRADE	DRIVEWAY REPAIR LIMITS	XX-X PROP. STRUCTURE NUMBER	
①A MILL & OVERLAY	④A CONSTRUCT INLET	⑨ ADJUST INLET TO GRADE	SIDEWALK		
①B TYPE 1 PCC PATCH	⑤ CONSTRUCT DRIVEWAY	⑩ ADJUST WATER OR GAS VALVE TO GRADE	MILL AND OVERLAY		
② CONSTRUCT CURB & GUTTER	⑥ CONSTRUCT CURB RAMP	⑪ ADJUST WATER METER BOX TO GRADE			
	⑦ CONSTRUCT SIDEWALK				

BEFORE YOU DIG  
811  
CALL OKIE

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

6-18-25

REVISION		BY	DATE

PLAN SCALE:		DRAWN RM 11/2020	APPROVED:
DESIGNED RM 11/2020			
SURVEY MW 11/2020			
PROFILE SCALE:		PROJ. MGR. <i>AC</i>	
HORIZONTAL:		LEAD ENGR. <i>6/25</i>	
1" = 20'		FIELD MGR. <i>7/25</i>	
VERTICAL:		RECOMMENDED: <i>HAS 7-25</i>	
1" = 5'		DESIGN MANAGER	
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ATLAS PAGE NO: 10 & 11			

CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT	
PLANS AND ESTIMATES PREPARED BY: POE & ASSOCIATES INC. Tulsa, Oklahoma	
DATE: 7/23/2025	
SHEET 22 OF 56 SHEETS	

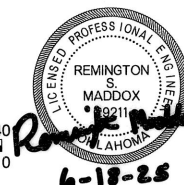
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LEGEND

- |                           |                       |                                      |                        |               |                             |
|---------------------------|-----------------------|--------------------------------------|------------------------|---------------|-----------------------------|
| ① AC RECONSTRUCTION       | ③ CONSTRUCT MANHOLE   | ⑧ ADJUST MANHOLE TO GRADE            | DRIVEWAY REPAIR LIMITS | PCC PATCH     | BH#1 SOIL BORING NO.        |
| 1A MILL & OVERLAY         | 4A CONSTRUCT INLET    | ⑨ ADJUST INLET TO GRADE              | SIDEWALK               | PCC PATCH W/L | 1000 CP IP CONTROL POINT    |
| 1B TYPE 1 PCC PATCH       | ⑤ CONSTRUCT DRIVEWAY  | ⑩ ADJUST WATER OR GAS VALVE TO GRADE | MILL AND OVERLAY       |               | XX-X PROP. STRUCTURE NUMBER |
| ② CONSTRUCT CURB & GUTTER | ⑥ CONSTRUCT CURB RAMP | ⑪ ADJUST WATER METER BOX TO GRADE    |                        |               |                             |
|                           | ⑦ CONSTRUCT SIDEWALK  |                                      |                        |               |                             |

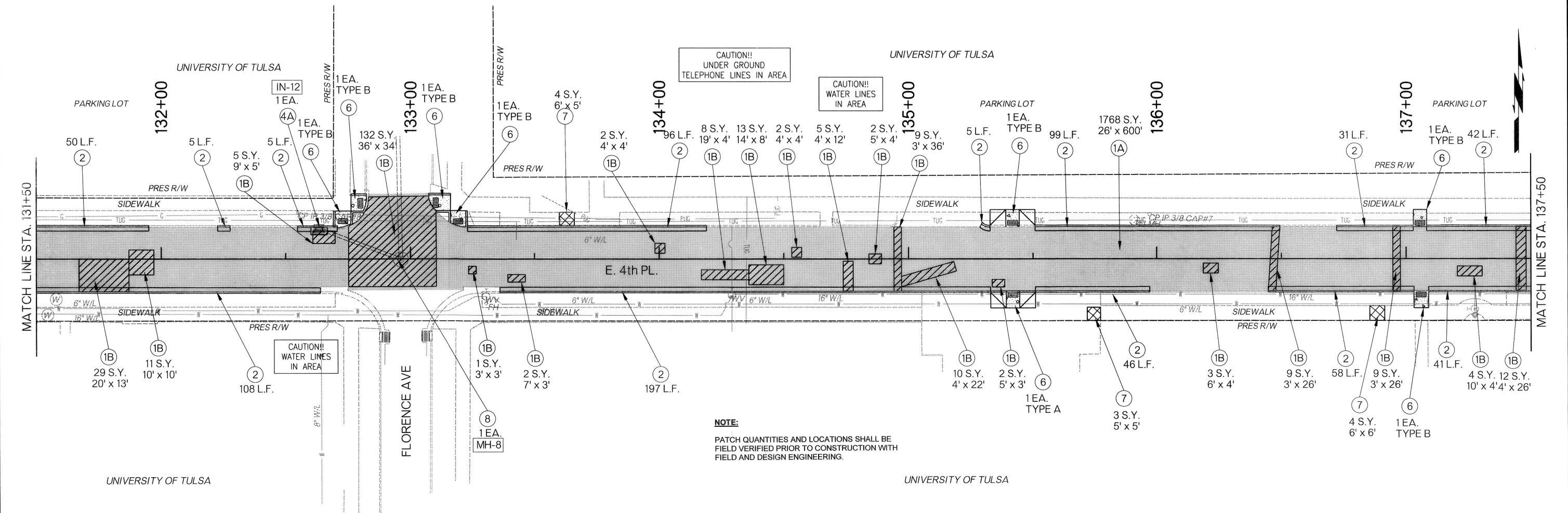


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VERTICAL SCALE IN FEET  
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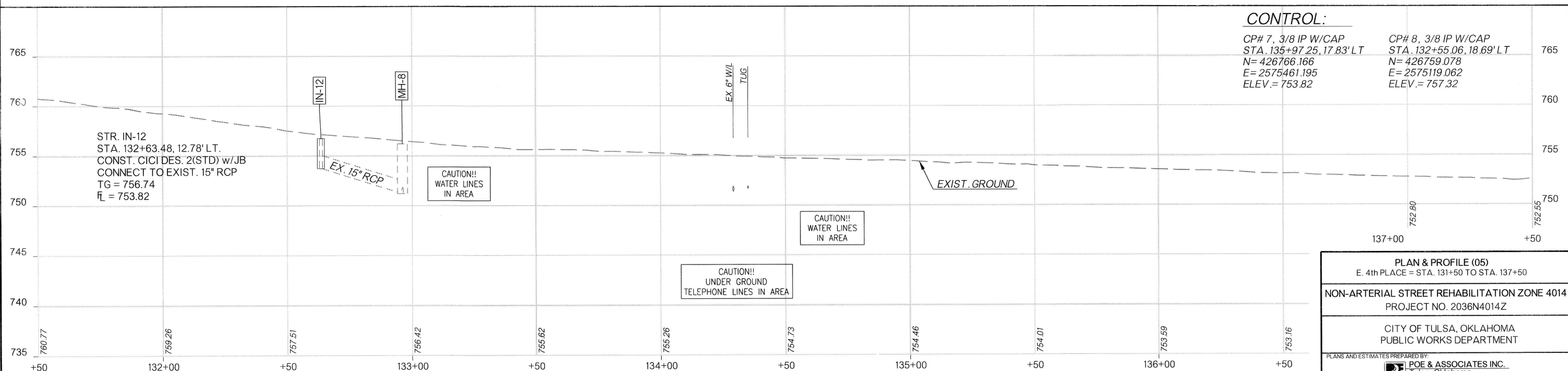


REVISION	BY	DATE

PLAN & PROFILE (05) E. 4th PLACE = STA. 131+50 TO STA. 137+50			
NON-ARTERIAL STREET REHABILITATION ZONE 4014 PROJECT NO. 2036N4014Z			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY: POE & ASSOCIATES INC. Tulsa, Oklahoma			
PLAN SCALE: 1" = 20'	DRAWN RM 11/2020	APPROVED: CITY ENGINEER	DATE: 7/23/2025
PROFILE SCALE: 1" = 20'	DESIGNED RM 11/2020		
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VERTICAL: 1" = 5'	LEAD ENGR. RM 06/25		
	FIELD MGR. RM 06/25		
	RECOMMENDED HAST-25		
	DESIGN MANAGER		
FILE: H\303914	DRAWING:		
ATLAS PAGE NO: 10 & 11			
			SHEET 23 OF 56 SHEETS



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



CONTROL:  
CP# 7, 3/8 IP W/CAP  
STA. 135+97.25, 17.83' LT  
N= 426766.166  
E= 2575461.195  
ELEV.= 753.82  
CP# 8, 3/8 IP W/CAP  
STA. 132+55.06, 18.69' LT  
N= 426759.078  
E= 2575119.062  
ELEV.= 757.32



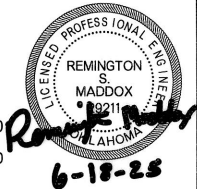
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LEGEND

- |                           |                       |                                      |                        |               |                             |
|---------------------------|-----------------------|--------------------------------------|------------------------|---------------|-----------------------------|
| ① AC RECONSTRUCTION       | ③ CONSTRUCT MANHOLE   | ⑧ ADJUST MANHOLE TO GRADE            | DRIVEWAY REPAIR LIMITS | PCC PATCH     | BH#1 SOIL BORING NO.        |
| ①A MILL & OVERLAY         | ④A CONSTRUCT INLET    | ⑨ ADJUST INLET TO GRADE              | SIDEWALK               | PCC PATCH W/L | 1000 CP IP CONTROL POINT    |
| ①B TYPE 1 PCC PATCH       | ⑤ CONSTRUCT DRIVEWAY  | ⑩ ADJUST WATER OR GAS VALVE TO GRADE | MILL AND OVERLAY       |               | XX-X PROP. STRUCTURE NUMBER |
| ② CONSTRUCT CURB & GUTTER | ⑥ CONSTRUCT CURB RAMP | ⑪ ADJUST WATER METER BOX TO GRADE    |                        |               |                             |
|                           | ⑦ CONSTRUCT SIDEWALK  |                                      |                        |               |                             |

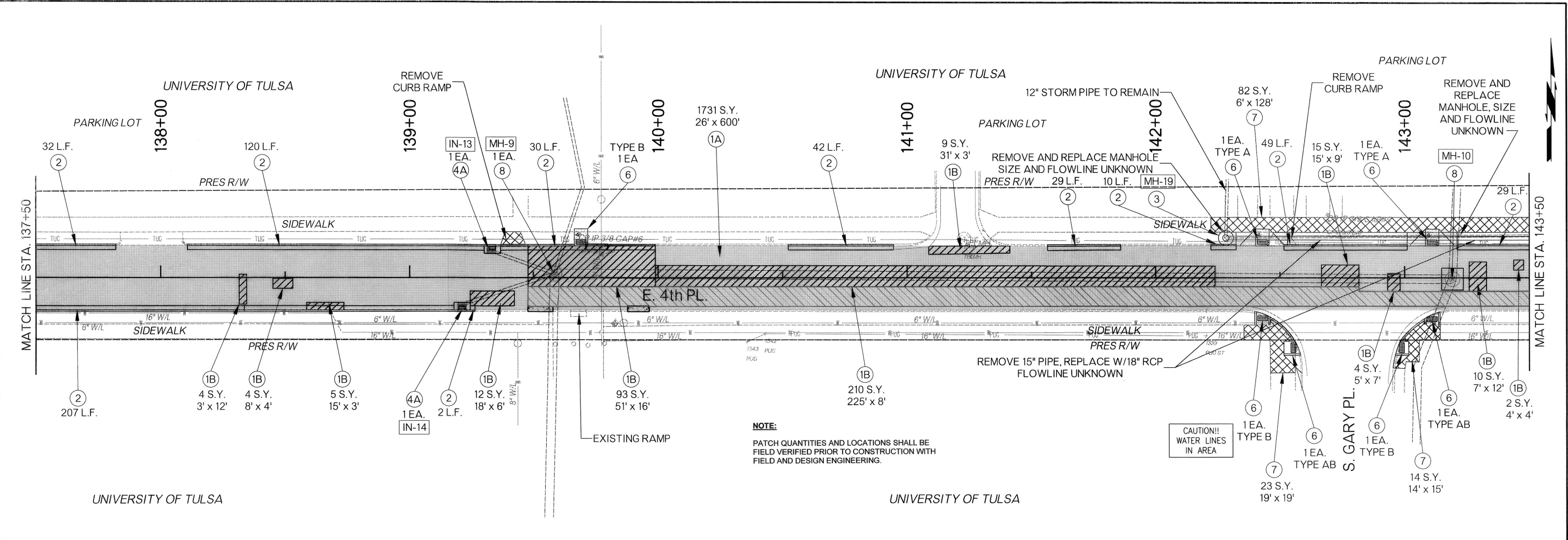
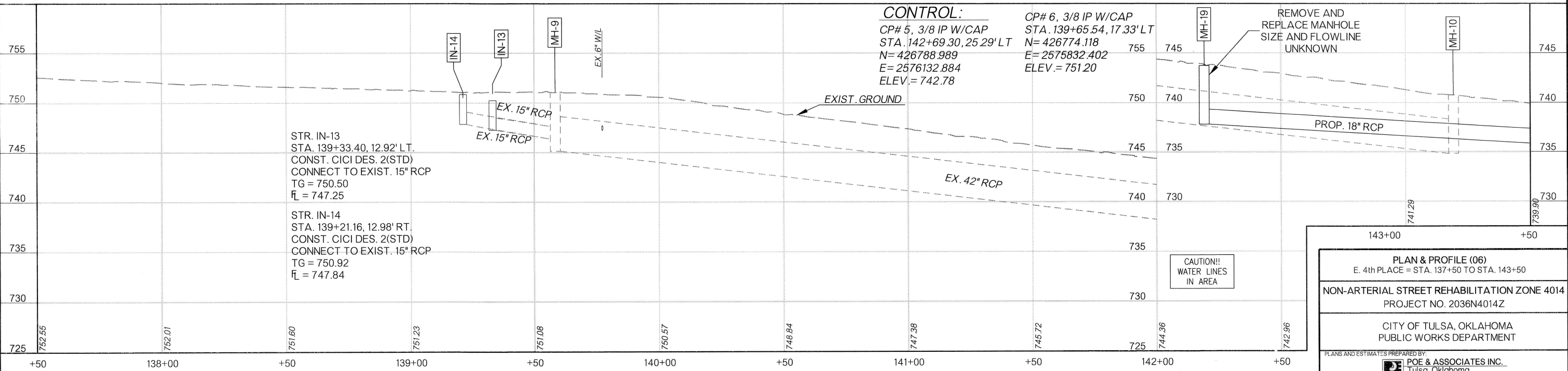


HORIZONTAL SCALE IN FEET  
20 0 20 40  
VERTICAL SCALE IN FEET  
5 0 5 10



REVISION	BY	DATE

PLAN SCALE: 1" = 20'	DRAWN: KS 11/2020	APPROVED: [Signature]
PROFILE SCALE: 1" = 20'	DESIGNED: RM 11/2020	
	SURVEY: MW 11/2020	
HORIZONTAL: 1" = 20'	PROJ. MGR. [Signature]	
VERTICAL: 1" = 5'	LEAD ENGR. [Signature]	
	FIELD MGR. [Signature]	
	RECOMMENDED: [Signature]	
	DESIGN MANAGER: [Signature]	
FILE: H303914	DRAWING: [Signature]	CITY ENGINEER: [Signature]
ATLAS PAGE NO: 10 & 11		DATE: 7/23/2025
		SHEET 24 OF 56 SHEETS

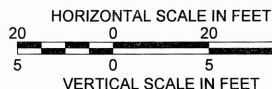




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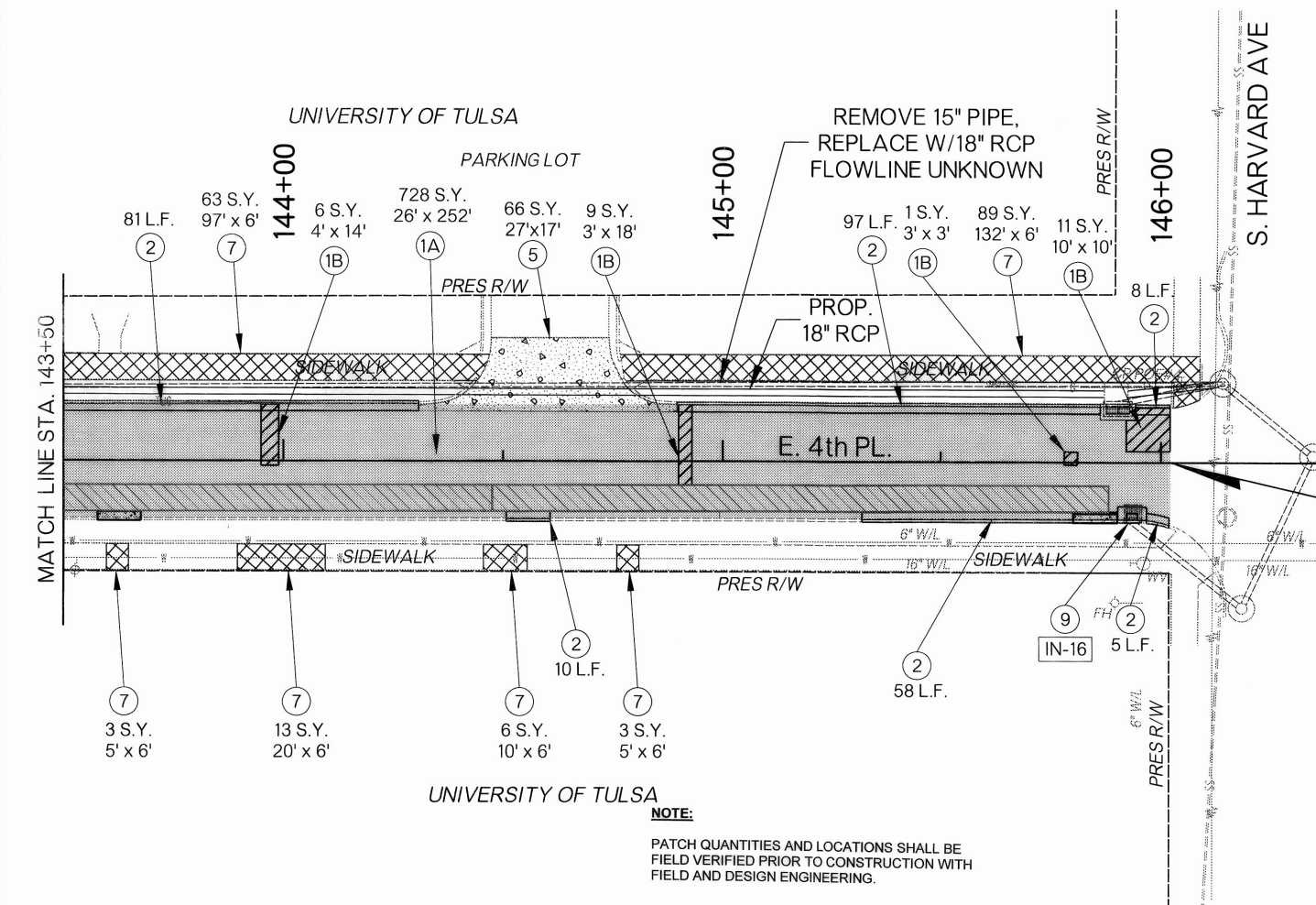
LEGEND

- |                           |                       |                                      |                        |               |                             |
|---------------------------|-----------------------|--------------------------------------|------------------------|---------------|-----------------------------|
| ① AC RECONSTRUCTION       | ③ CONSTRUCT MANHOLE   | ⑧ ADJUST MANHOLE TO GRADE            | DRIVEWAY REPAIR LIMITS | PCC PATCH     | BH#1 SOIL BORING NO.        |
| ①A MILL & OVERLAY         | ④A CONSTRUCT INLET    | ⑨ ADJUST INLET TO GRADE              | SIDEWALK               | PCC PATCH W/L | 1000 CP IP                  |
| ①B TYPE 1 PCC PATCH       | ⑤ CONSTRUCT DRIVEWAY  | ⑩ ADJUST WATER OR GAS VALVE TO GRADE | MILL AND OVERLAY       |               | ⊙ CONTROL POINT             |
| ② CONSTRUCT CURB & GUTTER | ⑥ CONSTRUCT CURB RAMP | ⑪ ADJUST WATER METER BOX TO GRADE    |                        |               | XX-X PROP. STRUCTURE NUMBER |
|                           | ⑦ CONSTRUCT SIDEWALK  |                                      |                        |               |                             |

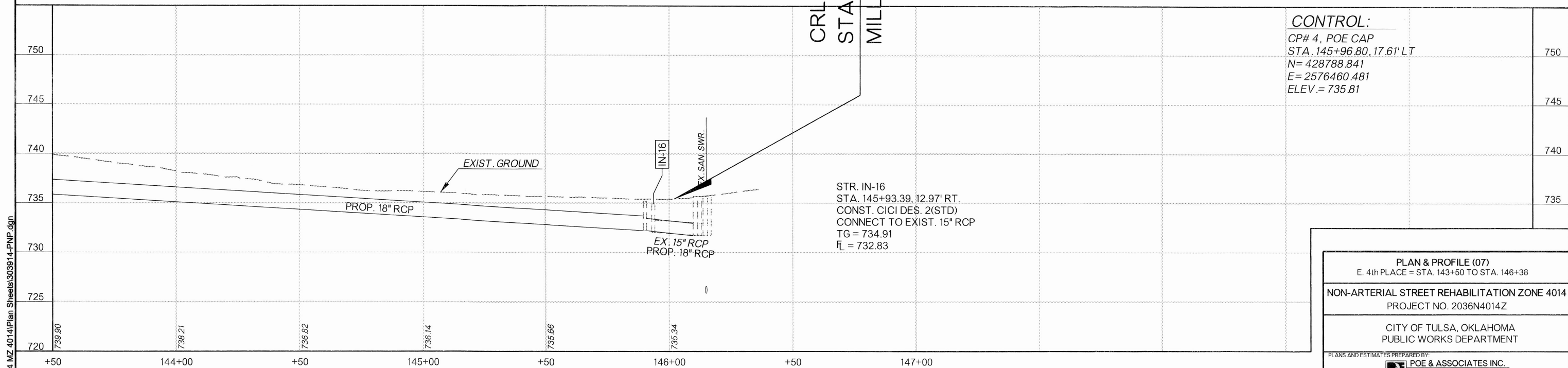


REVISION	BY	DATE

PLAN & PROFILE (07) E. 4th PLACE = STA. 143+50 TO STA. 146+38			
NON-ARTERIAL STREET REHABILITATION ZONE 4014 PROJECT NO. 2036N4014Z			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY: POE & ASSOCIATES INC. Tulsa, Oklahoma			
PLAN SCALE: 1" = 20'	DRAWN KS 11/2020	DESIGNED RM 11/2020	APPROVED:
PROFILE SCALE: 1" = 20'	PROJ. MGR. RM 06/25	SURVEY MW 11/2020	
HORIZONTAL: 1" = 20'	LEAD ENGR. RM 6/25	FIELD MGR. RM 7/25	
VERTICAL: 1" = 5'	RECOMMENDED: RM 7/25	DESIGN MANAGER	
FILE: H1303914	DRAWING:	DATE: 7/23/2025	CITY ENGINEER
ATLAS PAGE NO: 10 & 11			SHEET 25 OF 56 SHEETS

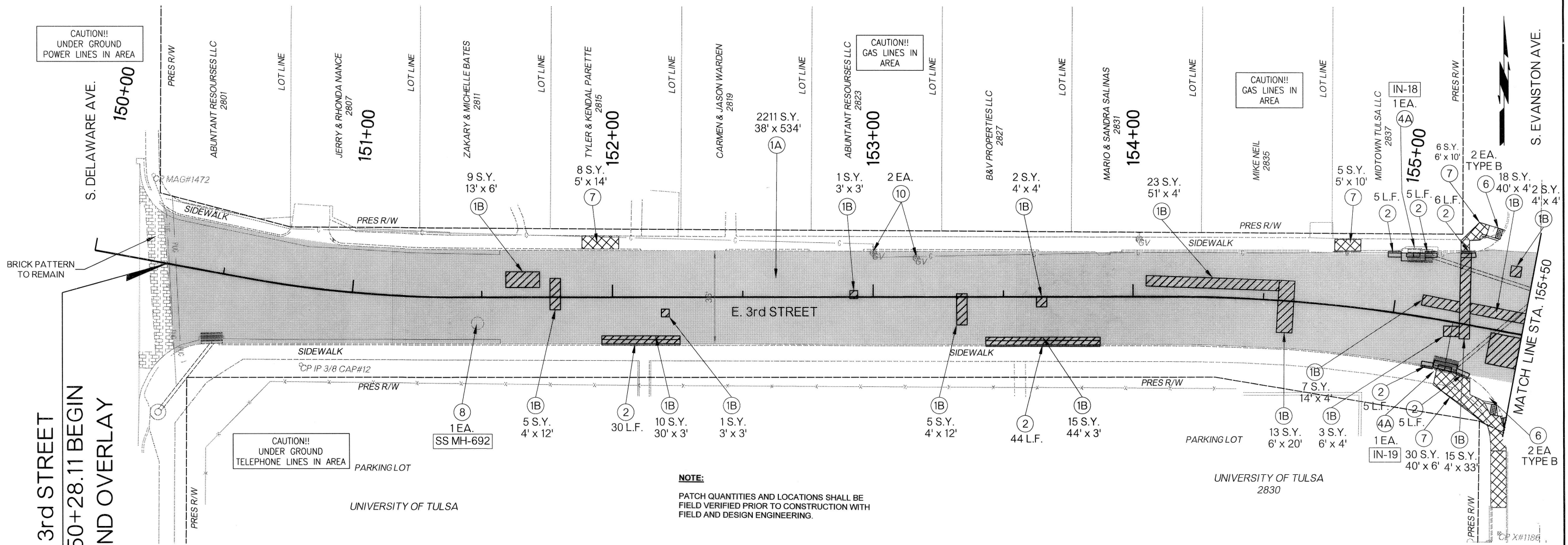


CURL E. 4th PLACE  
STA. 146+03.00 END  
MILL AND OVERLAY



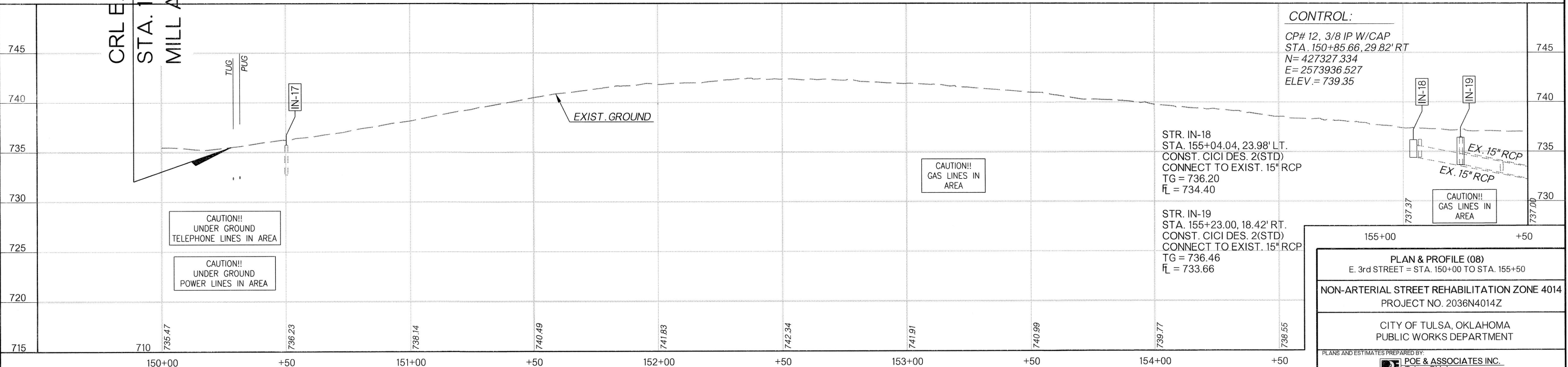
CONTROL:  
CP# 4, POE CAP  
STA. 145+96.80, 17.61' LT  
N= 428788.841  
E= 2576460.481  
ELEV.= 735.81

STR. IN-16  
STA. 145+93.39, 12.97' RT.  
CONST. CICI DES. 2(STD)  
CONNECT TO EXIST. 15" RCP  
TG = 734.91  
FL = 732.83



CRL E. 3rd STREET  
STA. 150+28.11 BEGIN  
MILL AND OVERLAY

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



**CONTROL:**  
CP# 12, 3/8 IP W/CAP  
STA. 150+85.66, 29.82' RT  
N= 427327.334  
E= 2573936.527  
ELEV.= 739.35

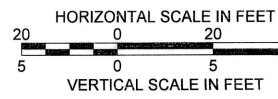
STR. IN-18  
STA. 155+04.04, 23.98' LT.  
CONST. CICI DES. 2(STD)  
CONNECT TO EXIST. 15" RCP  
TG = 736.20  
FL = 734.40

STR. IN-19  
STA. 155+23.00, 18.42' RT.  
CONST. CICI DES. 2(STD)  
CONNECT TO EXIST. 15" RCP  
TG = 736.46  
FL = 733.66

**PLAN & PROFILE (08)**  
E. 3rd STREET = STA. 150+00 TO STA. 155+50  
**NON-ARTERIAL STREET REHABILITATION ZONE 4014**  
PROJECT NO. 2036N4014Z  
**CITY OF TULSA, OKLAHOMA**  
PUBLIC WORKS DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:		POE & ASSOCIATES INC. Tulsa, Oklahoma	
PLAN SCALE:	DRAWN	KS	11/2020
DESIGNED	RM	11/2020	
SURVEY	MW	11/2020	
PROFILE SCALE:	PROJ. MGR.	RM	06/25
LEAD ENGR.	RM	06/25	
FIELD MGR.	RM	06/25	
RECOMMENDED	DESIGN MANAGER	RM	06/25
FILE: H:\303914	DRAWING:		
ATLAS PAGE NO: 10 & 11			

<b>LEGEND</b>	1 AC RECONSTRUCTION	3 CONSTRUCT MANHOLE	8 ADJUST MANHOLE TO GRADE	DRIVEWAY REPAIR LIMITS	PCC PATCH	BH#1 SOIL BORING NO.
1A MILL & OVERLAY	4A CONSTRUCT INLET	9 ADJUST INLET TO GRADE	10 ADJUST WATER OR GAS VALVE TO GRADE	SIDEWALK	PCC PATCH W/L	1000 CP IP CONTROL POINT
1B TYPE 1 PCC PATCH	5 CONSTRUCT DRIVEWAY	11 ADJUST WATER METER BOX TO GRADE		MILL AND OVERLAY		XX-X PROP. STRUCTURE NUMBER
2 CONSTRUCT CURB & GUTTER	6 CONSTRUCT CURB RAMP					
7 CONSTRUCT SIDEWALK						



CITY ENGINEER  
DATE: 7/23/2025  
SHEET 26 OF 56 SHEETS



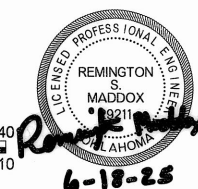
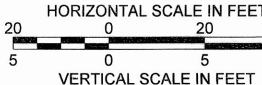




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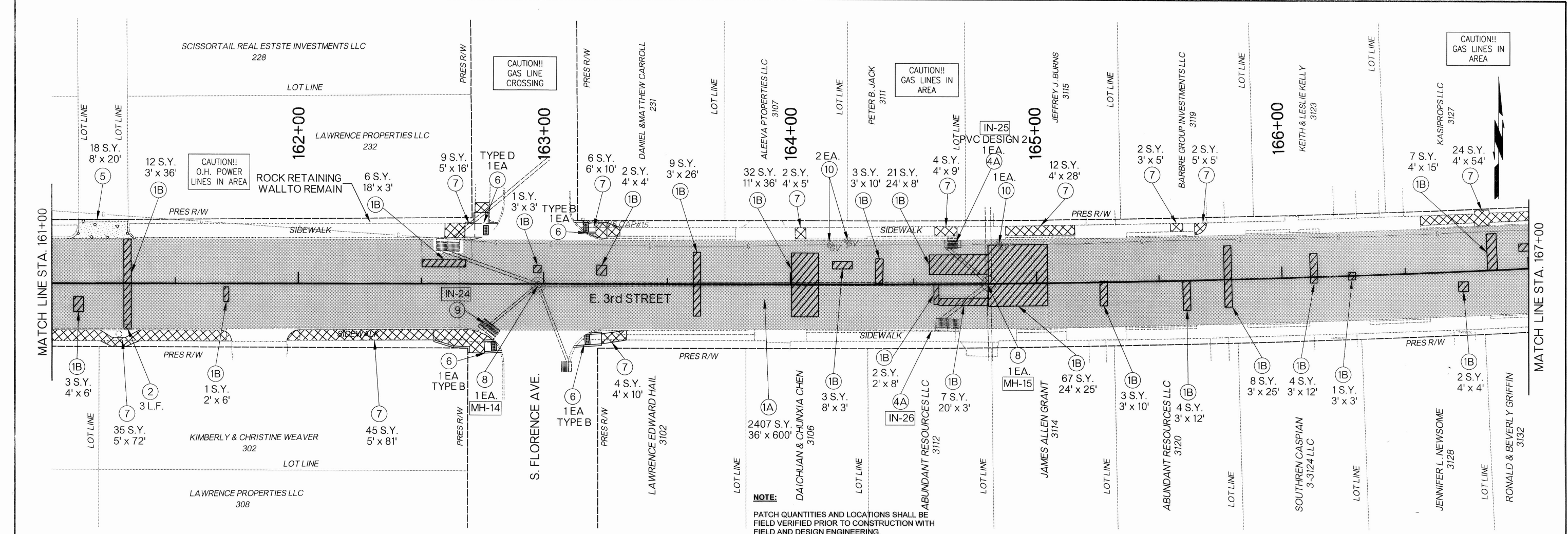
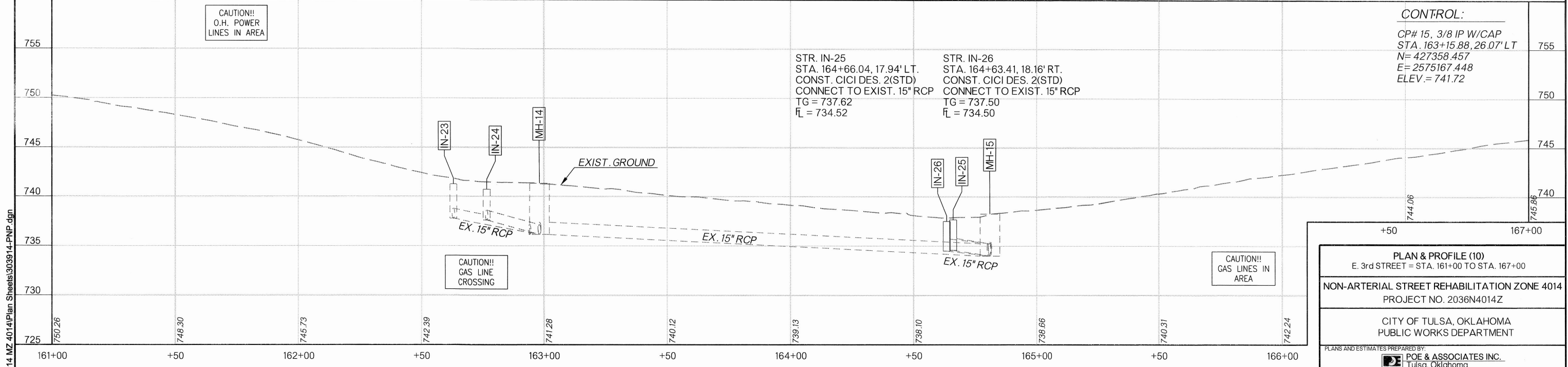
LEGEND

- |                           |                       |                                      |                        |                             |
|---------------------------|-----------------------|--------------------------------------|------------------------|-----------------------------|
| ① AC RECONSTRUCTION       | ③ CONSTRUCT MANHOLE   | ⑧ ADJUST MANHOLE TO GRADE            | DRIVEWAY REPAIR LIMITS | ⊗ SOIL BORING NO.           |
| ①A MILL & OVERLAY         | ④A CONSTRUCT INLET    | ⑨ ADJUST INLET TO GRADE              | ⊗ SIDEWALK             | 1000 CP IP                  |
| ①B TYPE 1 PCC PATCH       | ⑤ CONSTRUCT DRIVEWAY  | ⑩ ADJUST WATER OR GAS VALVE TO GRADE | ⊗ PCC PATCH W/L        | CONTROL POINT               |
| ② CONSTRUCT CURB & GUTTER | ⑥ CONSTRUCT CURB RAMP | ⑪ ADJUST WATER METER BOX TO GRADE    | ⊗ MILL AND OVERLAY     | XX-X PROP. STRUCTURE NUMBER |
|                           | ⑦ CONSTRUCT SIDEWALK  |                                      |                        |                             |



REVISION	BY	DATE

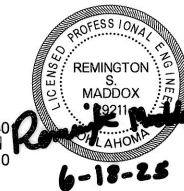
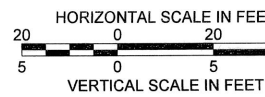
PLAN & PROFILE (10) E. 3rd STREET = STA. 161+00 TO STA. 167+00			
NON-ARTERIAL STREET REHABILITATION ZONE 4014 PROJECT NO. 2036N4014Z			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY: <b>POE &amp; ASSOCIATES INC.</b> Tulsa, Oklahoma			
PLAN SCALE: 1" = 20'	DRAWN KS 11/2020	DESIGNED RM 11/2020	APPROVED:
PROFILE SCALE: 1" = 20'	PROJ. MGR. RM 06/25	LEAD ENGR. KS 6/25	
HORIZONTAL: 1" = 20'	FIELD MGR. KS 7/25	RECOMMENDED KS 7/25	
VERTICAL: 1" = 5'	DESIGN MANAGER		
FILE: H:\303914	DRAWING:		CITY ENGINEER
ATLAS PAGE NO: 10 & 11			DATE: 7/23/2025
			SHEET 28 OF 56 SHEETS



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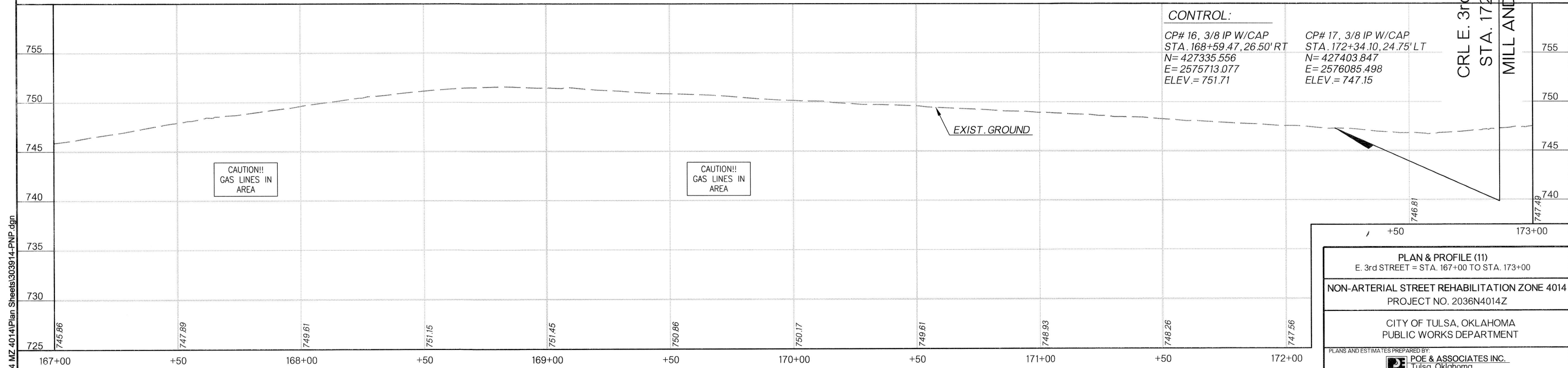
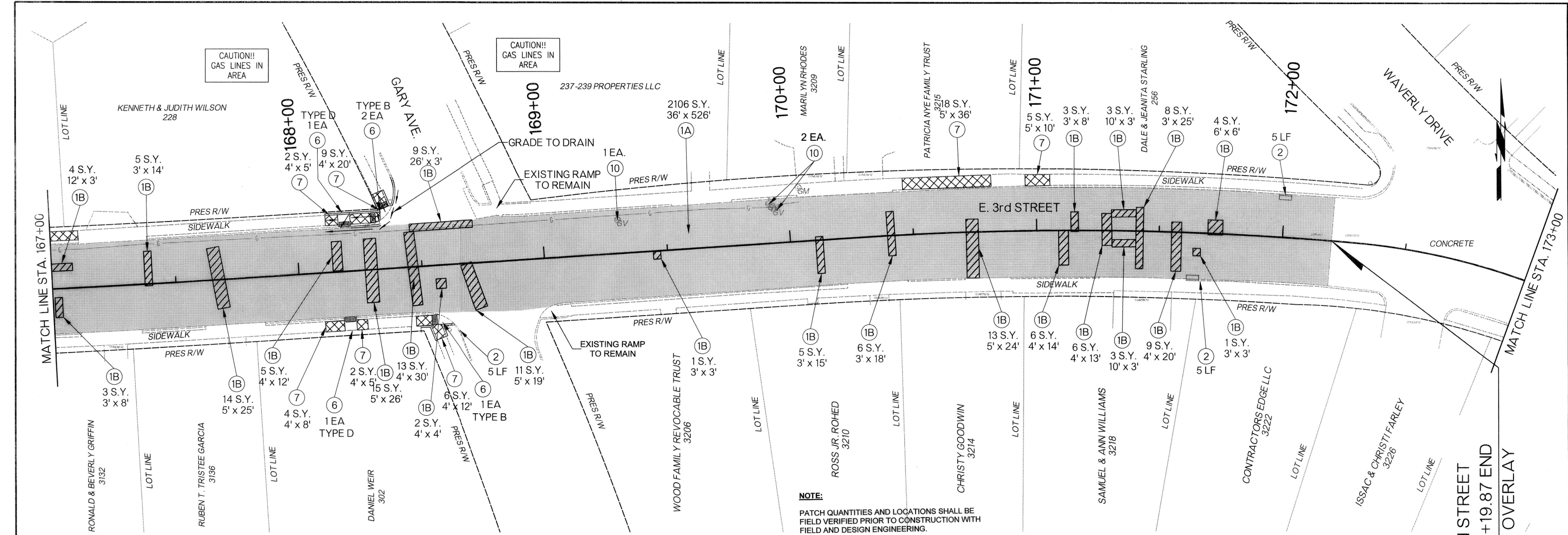
LEGEND

- |                           |                       |                                      |                        |                             |
|---------------------------|-----------------------|--------------------------------------|------------------------|-----------------------------|
| ① AC RECONSTRUCTION       | ③ CONSTRUCT MANHOLE   | ⑧ ADJUST MANHOLE TO GRADE            | DRIVEWAY REPAIR LIMITS | 1000 CP IP CONTROL POINT    |
| ①A MILL & OVERLAY         | ④A CONSTRUCT INLET    | ⑨ ADJUST INLET TO GRADE              | SIDEWALK               | XX-X PROP. STRUCTURE NUMBER |
| ①B TYPE 1 PCC PATCH       | ⑤ CONSTRUCT DRIVEWAY  | ⑩ ADJUST WATER OR GAS VALVE TO GRADE | MILL AND OVERLAY       |                             |
| ② CONSTRUCT CURB & GUTTER | ⑥ CONSTRUCT CURB RAMP | ⑪ ADJUST WATER METER BOX TO GRADE    |                        |                             |
|                           | ⑦ CONSTRUCT SIDEWALK  |                                      |                        |                             |



REVISION	BY	DATE

PLAN & PROFILE (11)			
E. 3rd STREET = STA. 167+00 TO STA. 173+00			
NON-ARTERIAL STREET REHABILITATION ZONE 4014			
PROJECT NO. 2036N4014Z			
CITY OF TULSA, OKLAHOMA			
PUBLIC WORKS DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:			
POE & ASSOCIATES INC.			
Tulsa, Oklahoma			
PLAN SCALE:	DRAWN	KS	11/2020
DESIGNED	RM	11/2020	
SURVEY	MW	11/2020	
PROFILE SCALE:	PROJ. MGR.	AK	06/25
LEAD ENGR.	AK	06/25	
FIELD MGR.	AK	7/25	
RECOMMENDED	AK	7/25	
DESIGN MANAGER	AK	7/25	
FILE: H:\303914	DRAWING:		
ATLAS PAGE NO: 10 & 11			
APPROVED:			CITY ENGINEER
DATE: 7/23/2025			SHEET 29 OF 56 SHEETS





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# LEGEND

- |                           |                       |                                      |                        |               |                             |
|---------------------------|-----------------------|--------------------------------------|------------------------|---------------|-----------------------------|
| ① AC RECONSTRUCTION       | ③ CONSTRUCT MANHOLE   | ⑧ ADJUST MANHOLE TO GRADE            | DRIVEWAY REPAIR LIMITS | PCC PATCH     | BH#1 SOIL BORING NO.        |
| ①A MILL & OVERLAY         | ④A CONSTRUCT INLET    | ⑨ ADJUST INLET TO GRADE              | SIDEWALK               | PCC PATCH W/L | 1000 CP IP CONTROL POINT    |
| ①B TYPE 1 PCC PATCH       | ⑤ CONSTRUCT DRIVEWAY  | ⑩ ADJUST WATER OR GAS VALVE TO GRADE | MILL AND OVERLAY       |               | XX-X PROP. STRUCTURE NUMBER |
| ② CONSTRUCT CURB & GUTTER | ⑥ CONSTRUCT CURB RAMP | ⑪ ADJUST WATER METER BOX TO GRADE    |                        |               |                             |
|                           | ⑦ CONSTRUCT SIDEWALK  |                                      |                        |               |                             |



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



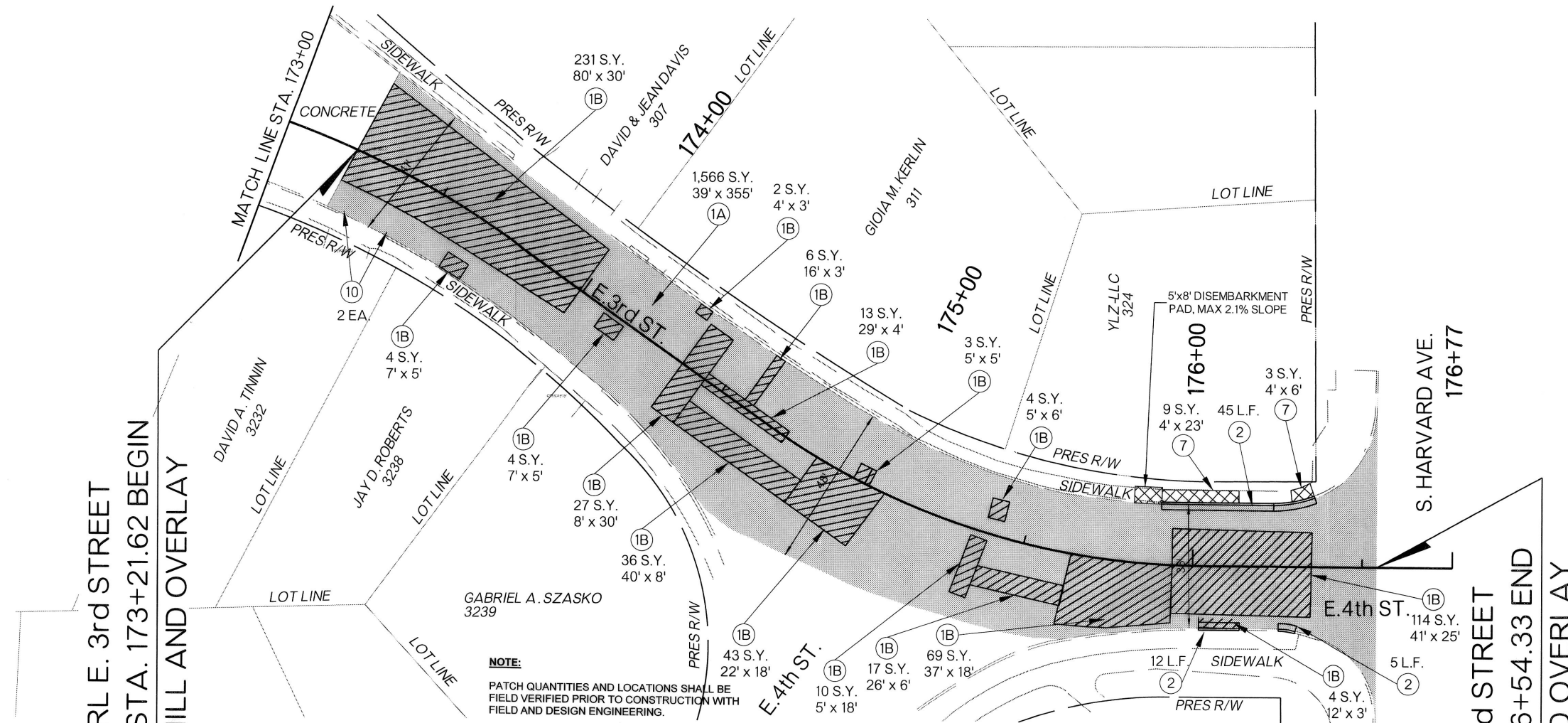
REVISION	BY	DATE

PLAN & PROFILE (12) E. 3rd STREET = STA. 173+00 TO STA. 176+33			
NON-ARTERIAL STREET REHABILITATION ZONE 4014 PROJECT NO. 2036N4014Z			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY: POE & ASSOCIATES INC. Tulsa, Oklahoma			
PLAN SCALE:	DRAWN	KS	11/2020
1" = 20'	DESIGNED	RM	11/2020
	SURVEY	MW	11/2020
PROFILE SCALE:	PROJ. MGR.	ARM	06/25
1" = 20'	LEAD ENGR.	RM	6/25
	FIELD MGR.	ARM	7/26
VERTICAL	RECOMMENDED	ARM	7-25
1" = 5'	DESIGN MANAGER		
FILE: H:\303914	DRAWING:		
ATLAS PAGE NO: 10 & 11			

CITY ENGINEER	DATE: 7/23/2025
SHEET 30 OF 56 SHEETS	

CRL E. 3rd STREET  
STA. 173+21.62 BEGIN  
MILL AND OVERLAY

CRL E. 3rd STREET  
STA. 176+54.33 END  
MILL AND OVERLAY



760  
755  
750  
745  
740  
735  
730

760  
755  
750  
745

MATCH LINE STA. 173+00

747.49  
173+00

749.00  
+50

750.32  
174+00

751.15  
+50

752.02  
175+00

752.83  
+50

753.22  
176+00

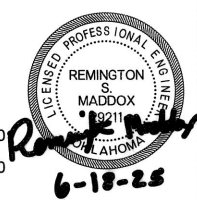
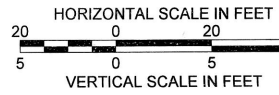
754.01  
+50

177+00



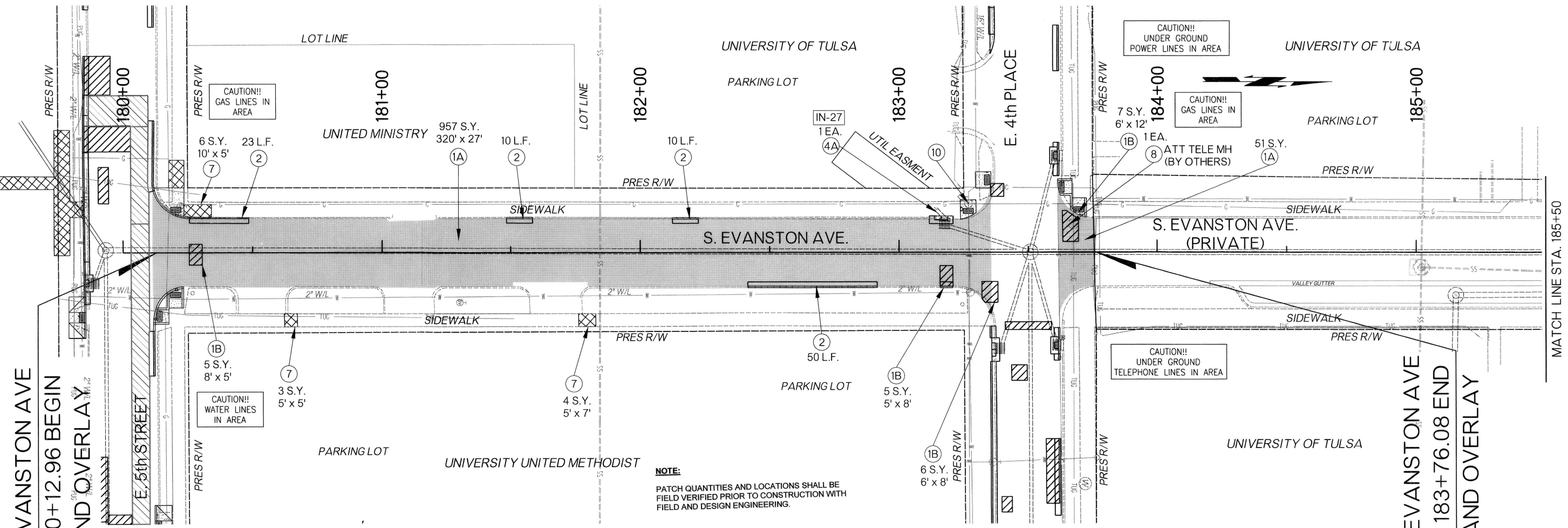
LEGEND

- |                           |                       |                                      |                        |               |                             |
|---------------------------|-----------------------|--------------------------------------|------------------------|---------------|-----------------------------|
| ① AC RECONSTRUCTION       | ③ CONSTRUCT MANHOLE   | ⑧ ADJUST MANHOLE TO GRADE            | DRIVEWAY REPAIR LIMITS | PCC PATCH     | BH#1 SOIL BORING NO.        |
| ①A MILL & OVERLAY         | ④A CONSTRUCT INLET    | ⑨ ADJUST INLET TO GRADE              | SIDEWALK               | PCC PATCH W/L | 1000 CP IP                  |
| ①B TYPE 1 PCC PATCH       | ⑤ CONSTRUCT DRIVEWAY  | ⑩ ADJUST WATER OR GAS VALVE TO GRADE | MILL AND OVERLAY       |               | CONTROL POINT               |
| ② CONSTRUCT CURB & GUTTER | ⑥ CONSTRUCT CURB RAMP | ⑪ ADJUST WATER METER BOX TO GRADE    |                        |               | XX-X PROP. STRUCTURE NUMBER |
|                           | ⑦ CONSTRUCT SIDEWALK  |                                      |                        |               |                             |



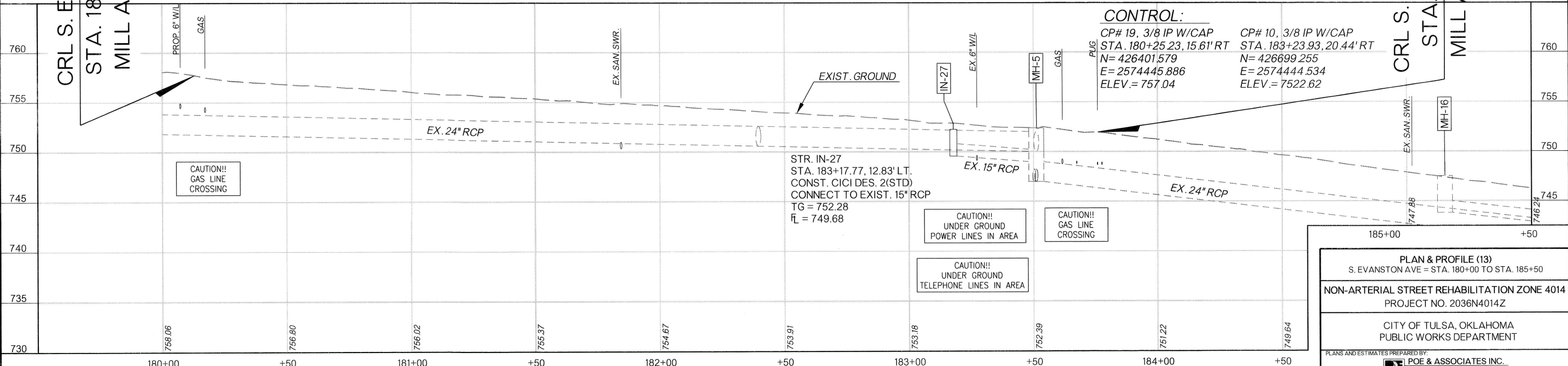
REVISION	BY	DATE

PLAN & PROFILE (13) S. EVANSTON AVE = STA. 180+00 TO STA. 185+50			
NON-ARTERIAL STREET REHABILITATION ZONE 4014 PROJECT NO. 2036N4014Z			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY: POE & ASSOCIATES INC. Tulsa, Oklahoma			
PLAN SCALE: 1" = 20'	DRAWN KS 11/2020	DESIGNED RM 11/2020	APPROVED: 
PROFILE SCALE: 1" = 20'	PROJ. MGR. AKK 06/25	LEAD ENGR. S 6/25	
HORIZONTAL: 1" = 5'	FIELD MGR. JMM 7/25	RECOMMENDED HAS 7-25	
VERTICAL: 1" = 5'	DESIGN MANAGER		
FILE: H:\303914	DRAWING:		DATE: 7/23/2025
ATLAS PAGE NO. 10 & 11			SHEET 31 OF 56 SHEETS



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

<b>CONTROL:</b>	
CP# 19, 3/8 IP W/CAP STA. 180+25.23, 15.61' RT N= 426401.579 E= 257444.886 ELEV.= 757.04	CP# 10, 3/8 IP W/CAP STA. 183+23.93, 20.44' RT N= 426699.255 E= 257444.534 ELEV.= 7522.62





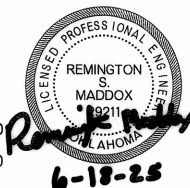
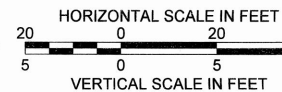




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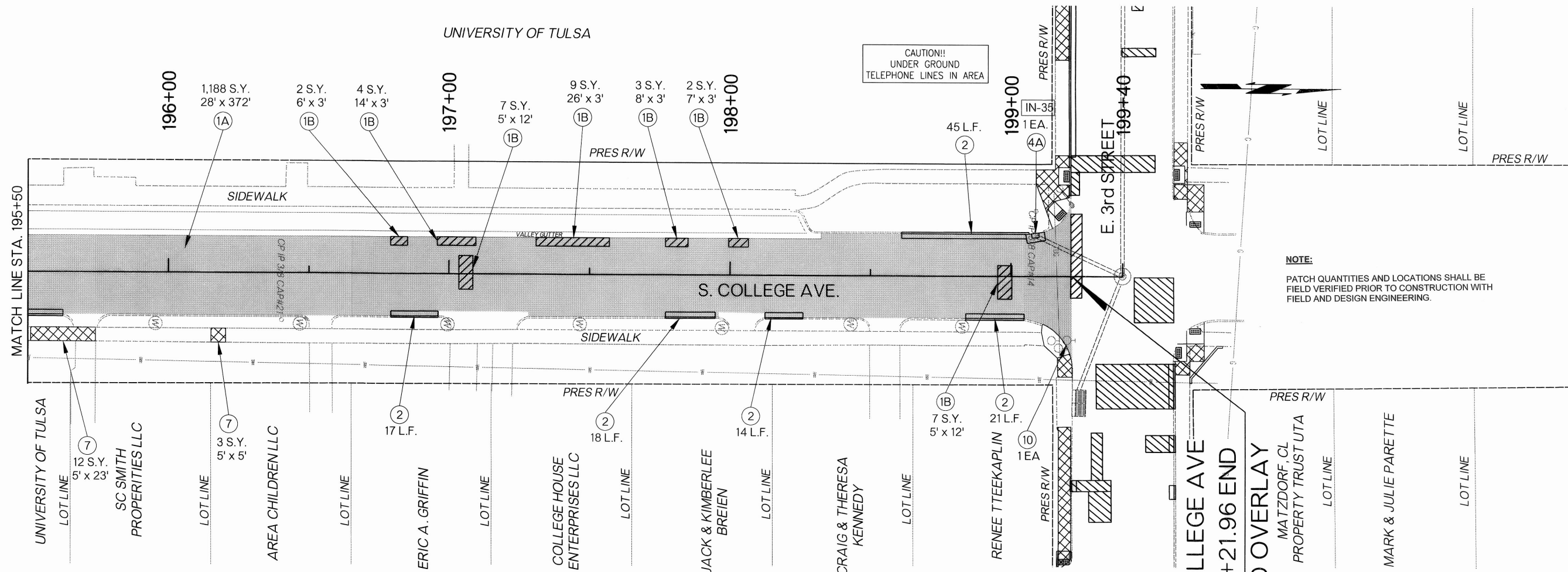
## LEGEND

- |                           |                       |                                      |                        |               |                             |
|---------------------------|-----------------------|--------------------------------------|------------------------|---------------|-----------------------------|
| ① AC RECONSTRUCTION       | ③ CONSTRUCT MANHOLE   | ⑧ ADJUST MANHOLE TO GRADE            | DRIVEWAY REPAIR LIMITS | PCC PATCH     | BH#1 SOIL BORING NO.        |
| ①A MILL & OVERLAY         | ④A CONSTRUCT INLET    | ⑨ ADJUST INLET TO GRADE              | SIDEWALK               | PCC PATCH W/L | 1000 CP IP CONTROL POINT    |
| ①B TYPE 1 PCC PATCH       | ⑤ CONSTRUCT DRIVEWAY  | ⑩ ADJUST WATER OR GAS VALVE TO GRADE | MILL AND OVERLAY       |               | XX-X PROP. STRUCTURE NUMBER |
| ② CONSTRUCT CURB & GUTTER | ⑥ CONSTRUCT CURB RAMP | ⑪ ADJUST WATER METER BOX TO GRADE    |                        |               |                             |
|                           | ⑦ CONSTRUCT SIDEWALK  |                                      |                        |               |                             |



REVISION	BY	DATE

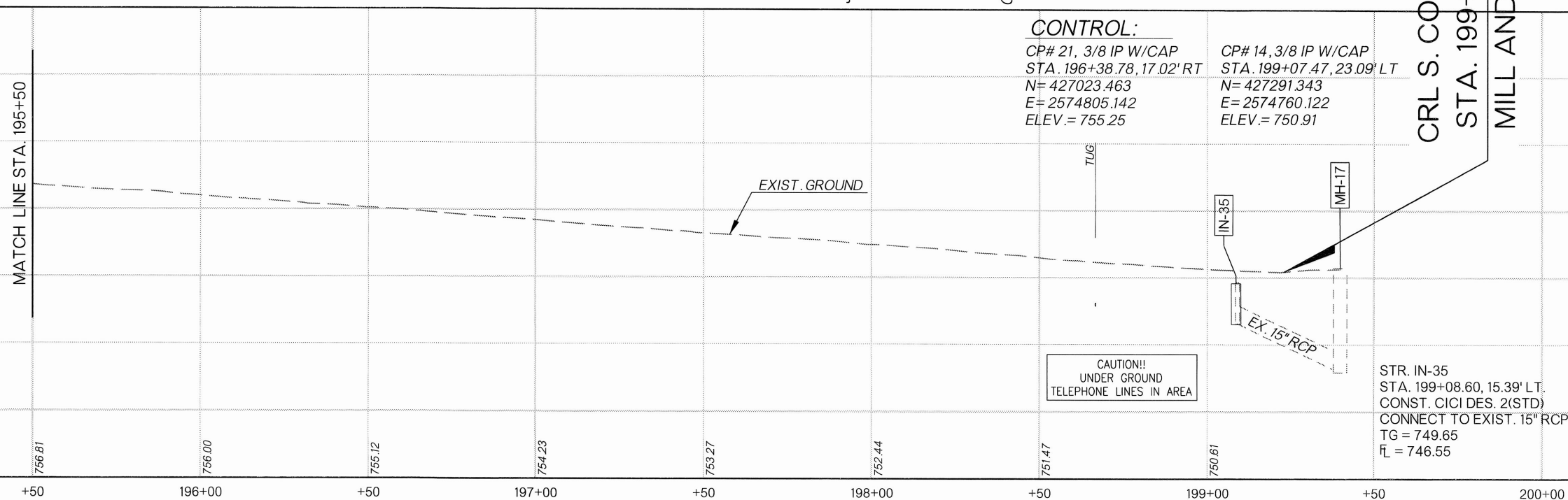
PLAN & PROFILE (16) S. COLLEGE AVE = STA. 195+50 TO STA. 199+40			
NON-ARTERIAL STREET REHABILITATION ZONE 4014 PROJECT NO. 2036N4014Z			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY: POE & ASSOCIATES INC. Tulsa, Oklahoma			
PLAN SCALE: 1" = 20'	DRAWN KS 11/2020	APPROVED:	
	DESIGNED RM 11/2020		
	SURVEY MW 11/2020		
PROFILE SCALE: 1" = 20'	PROJ. MGR. RSM 06/25		
	LEAD ENGR. JRM 6/25		
HORIZONTAL: 1" = 20'	FIELD MGR. JRM 7/25		
	RECOMMENDED HAS 7-25		
VERTICAL: 1" = 5'	DESIGN MANAGER		
FILE: H\303914	DRAWING:	DATE: 7/23/2025	
ATLAS PAGE NO: 10 & 11		SHEET 34 OF 56 SHEETS	



### CONTROL:

CP# 21, 3/8 IP W/CAP  
STA. 196+38.78, 17.02' RT  
N= 427023.463  
E= 2574805.142  
ELEV.= 755.25

CP# 14, 3/8 IP W/CAP  
STA. 199+07.47, 23.09' LT  
N= 427291.343  
E= 2574760.122  
ELEV.= 750.91



STR. IN-35  
STA. 199+08.60, 15.39' LT.  
CONST. CICI DES. 2(STD)  
CONNECT TO EXIST. 15" RCP  
TG = 749.65  
FL = 746.55

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

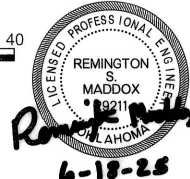
CAUTION!!  
UNDER GROUND  
TELEPHONE LINES IN AREA

CAUTION!!  
UNDER GROUND  
TELEPHONE LINES IN AREA

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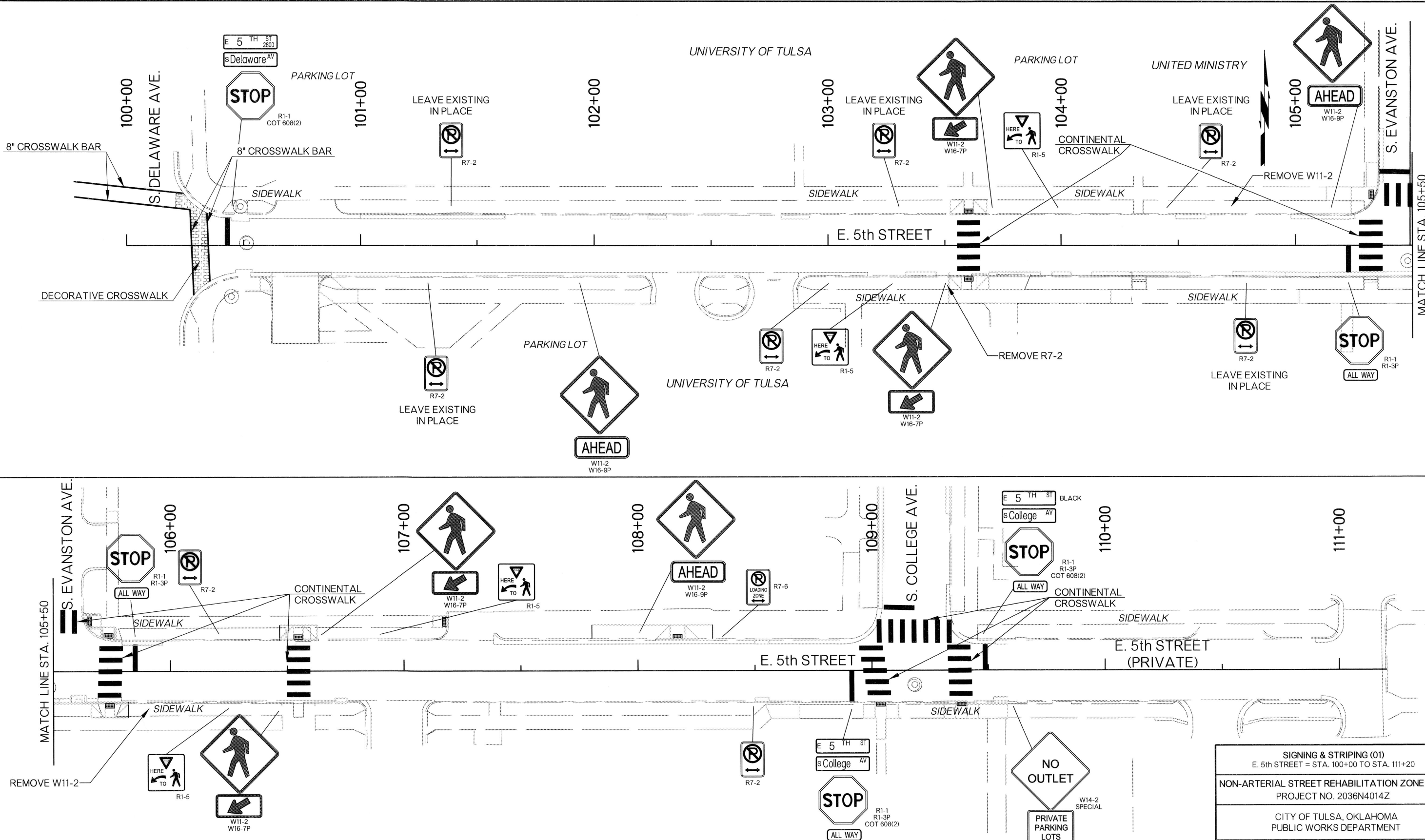
LEGEND

	4" SOLID WHITE OR YELLOW LANE LINE		24" STOP BAR		8" WHITE DIAGONAL LINE		BIKE LANE MARKER (GREEN BACKGROUND)
	4" DOUBLE SOLID YELLOW CENTERLINE		24" CONTINENTAL CROSSWALK BAR		WHITE ARROW		BIKE LANE MARKER (MID-BLOCK)
			8" DECORATIVE CROSSWALK BAR (OUTLINE)				



REVISION	BY	DATE

PLAN SCALE:	DRAWN	KS	11/2020	APPROVED:
1" = 20'	DESIGNED	RM	11/2020	
	SURVEY	MW	11/2020	
PROFILE SCALE:	PROJ. MGR.	ARA	06/25	
1" =	LEAD ENGR.	HWS	08/2025	
	FIELD MGR.	Paul	7/25	
	RECOMMENDED	HWS	7/25	
	DESIGN MANAGER			
FILE: H303914	DRAWING:		DATE: 7/13/2025	
ATLAS PAGE NO: 10 & 11			SHEET 35 OF 56 SHEETS	



**SIGNING & STRIPING (01)**  
E. 5th STREET = STA. 100+00 TO STA. 111+20

**NON-ARTERIAL STREET REHABILITATION ZONE 4014**  
PROJECT NO. 2036N4014Z

CITY OF TULSA, OKLAHOMA  
PUBLIC WORKS DEPARTMENT

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

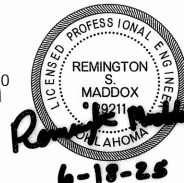
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LEGEND

- |                                    |                                       |                        |                                     |
|------------------------------------|---------------------------------------|------------------------|-------------------------------------|
| 4" SOLID WHITE OR YELLOW LANE LINE | 24" STOP BAR                          | 8" WHITE DIAGONAL LINE | BIKE LANE MARKER (GREEN BACKGROUND) |
| 4" DOUBLE SOLID YELLOW CENTERLINE  | 24" CONTINENTAL CROSSWALK BAR         | WHITE ARROW            | BIKE LANE MARKER (MID-BLOCK)        |
|                                    | 8" DECORATIVE CROSSWALK BAR (OUTLINE) |                        |                                     |

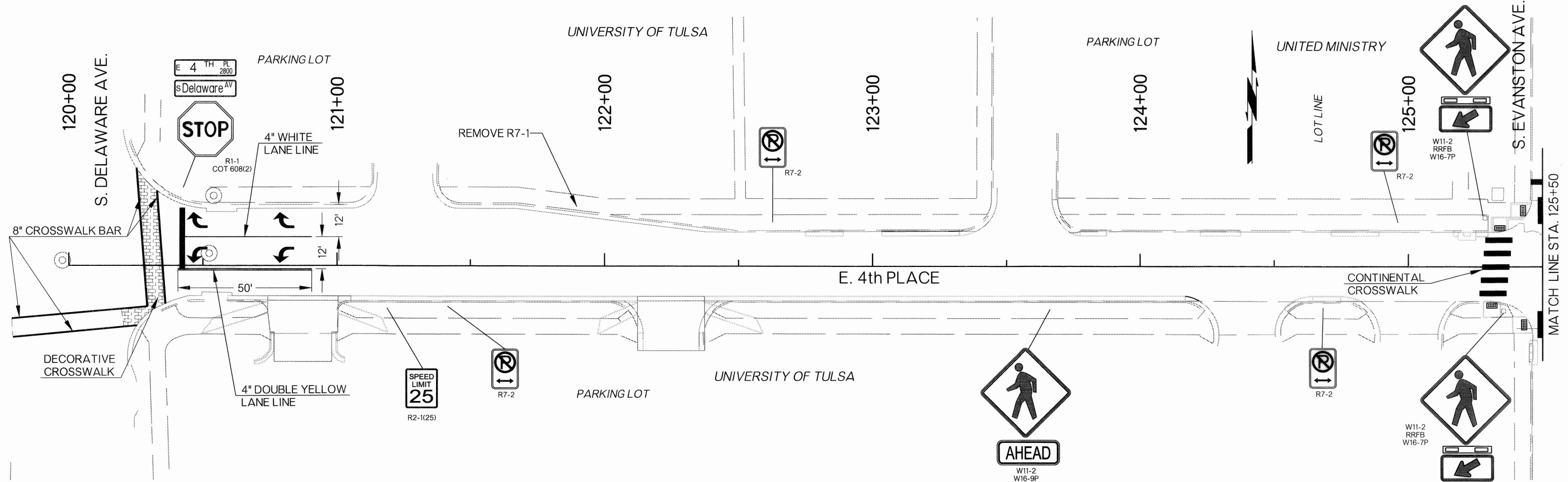
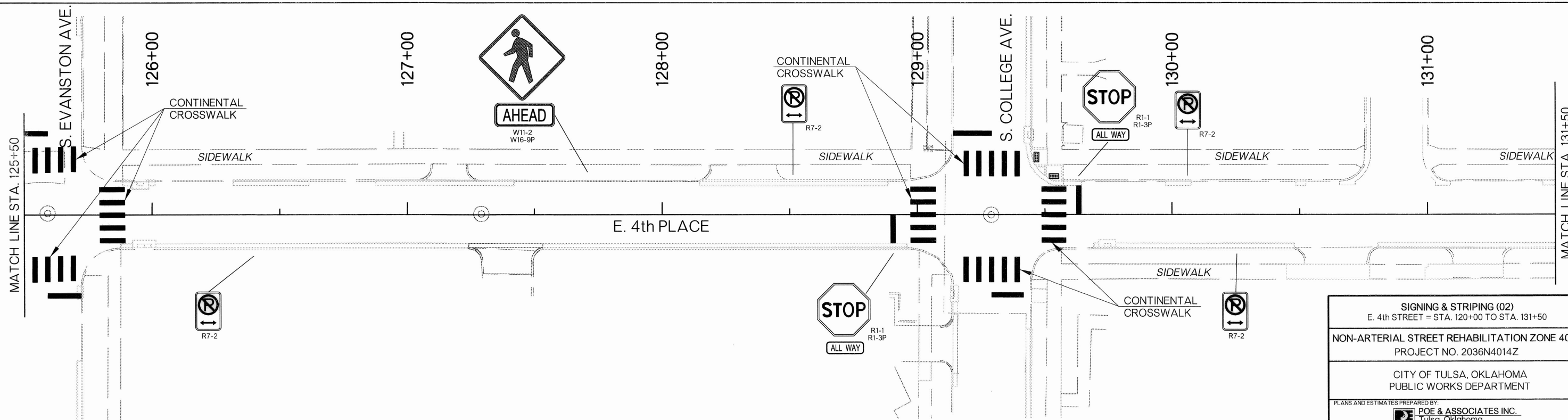


20 0 20 40  
SCALE IN FEET



REVISION	BY	DATE

SIGNING & STRIPING (02) E. 4th STREET = STA. 120+00 TO STA. 131+50			
NON-ARTERIAL STREET REHABILITATION ZONE 4014 PROJECT NO. 2036N4014Z			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY: POE & ASSOCIATES INC. Tulsa, Oklahoma			
PLAN SCALE:	DRAWN	KS	11/2020
1" = 20'	DESIGNED	RM	11/2020
PROFILE SCALE:	SURVEY	MW	11/2020
1" =	PROJ. MGR.	MS	06/25
HORIZONTAL:	LEAD ENGR.	MS	07/2025
1" =	FIELD MGR.	MS	07/25
VERTICAL:	RECOMMENDED	MS	07/25
1" =	DESIGN MANAGER	MS	07/25
FILE: H\303914	DRAWING:		
ATLAS PAGE NO: 10 & 11			
APPROVED:			CITY ENGINEER
DATE: 7/23/2025			
SHEET 36 OF 56 SHEETS			





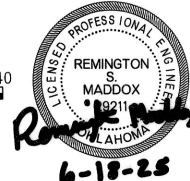
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LEGEND

- |                                    |                                       |                        |                                     |
|------------------------------------|---------------------------------------|------------------------|-------------------------------------|
| 4" SOLID WHITE OR YELLOW LANE LINE | 24" STOP BAR                          | 8" WHITE DIAGONAL LINE | BIKE LANE MARKER (GREEN BACKGROUND) |
| 4" DOUBLE SOLID YELLOW CENTERLINE  | 24" CONTINENTAL CROSSWALK BAR         | WHITE ARROW            | BIKE LANE MARKER (MID-BLOCK)        |
|                                    | 8" DECORATIVE CROSSWALK BAR (OUTLINE) |                        |                                     |

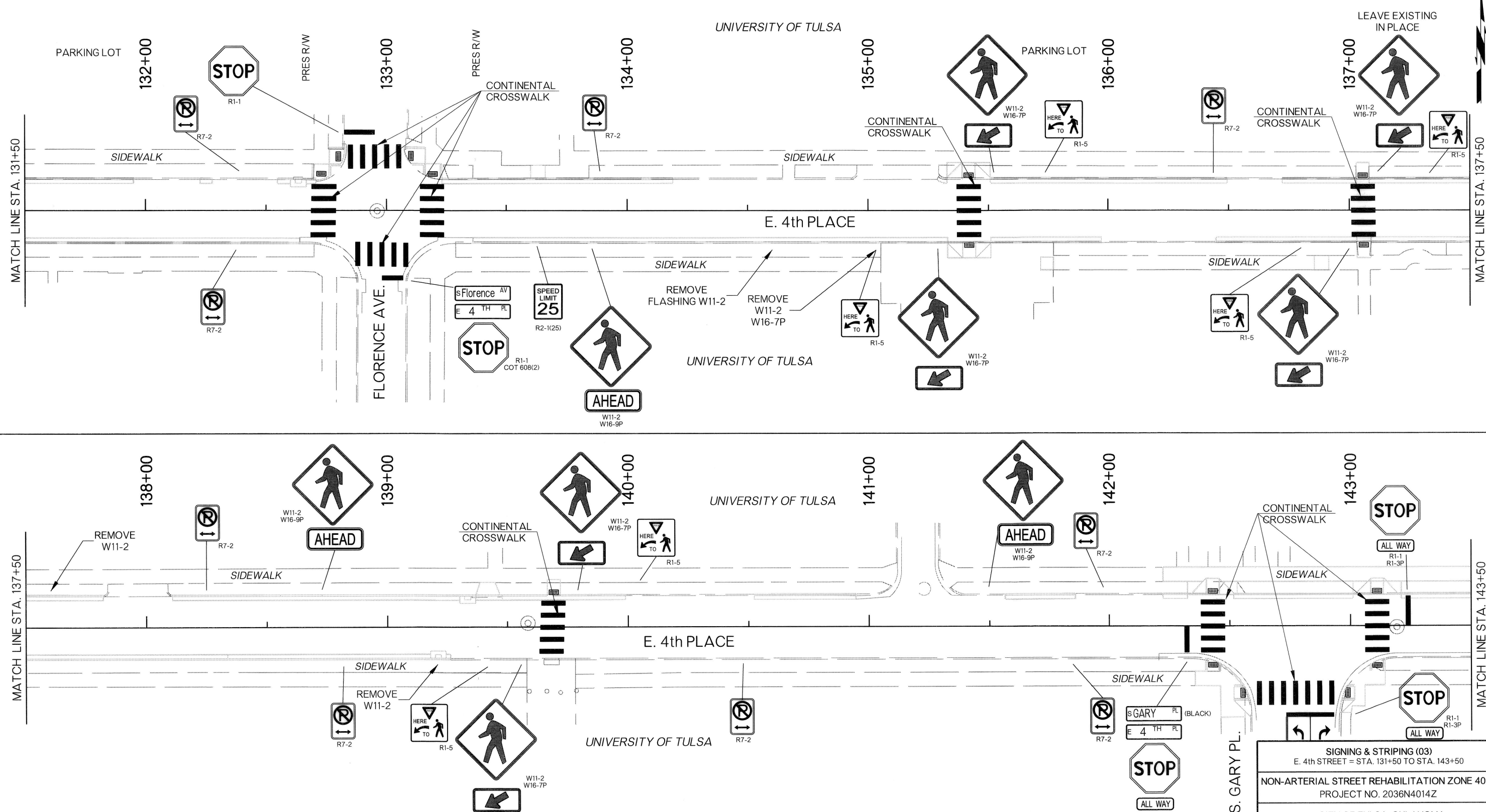


20 0 20 40  
SCALE IN FEET



REVISION	BY	DATE

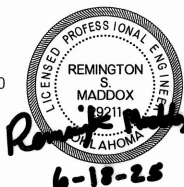
SIGNING & STRIPING (03)		
E. 4th STREET = STA. 131+50 TO STA. 143+50		
NON-ARTERIAL STREET REHABILITATION ZONE 4014		
PROJECT NO. 2036N4014Z		
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT		
PLANS AND ESTIMATES PREPARED BY:		
POE & ASSOCIATES INC. Tulsa, Oklahoma		
PLAN SCALE:	DRAWN: KS 11/2020	APPROVED:
1" = 20'	DESIGNED: RM 11/2020	
PROFILE SCALE:	SURVEY: MW 11/2020	
1" =	PROJ. MGR. <i>ORL 06/25</i>	
	LEAD ENGR. <i>MVS 07/2025</i>	
	FIELD MGR. <i>JBW 7/16</i>	
	RECOMMENDED: <i>HAS 7-25</i>	
	DESIGN MANAGER	
FILE: H\303914	DRAWING:	DATE: 7/23/2025
ATLAS PAGE NO: 10 & 11		SHEET 37 OF 56 SHEETS




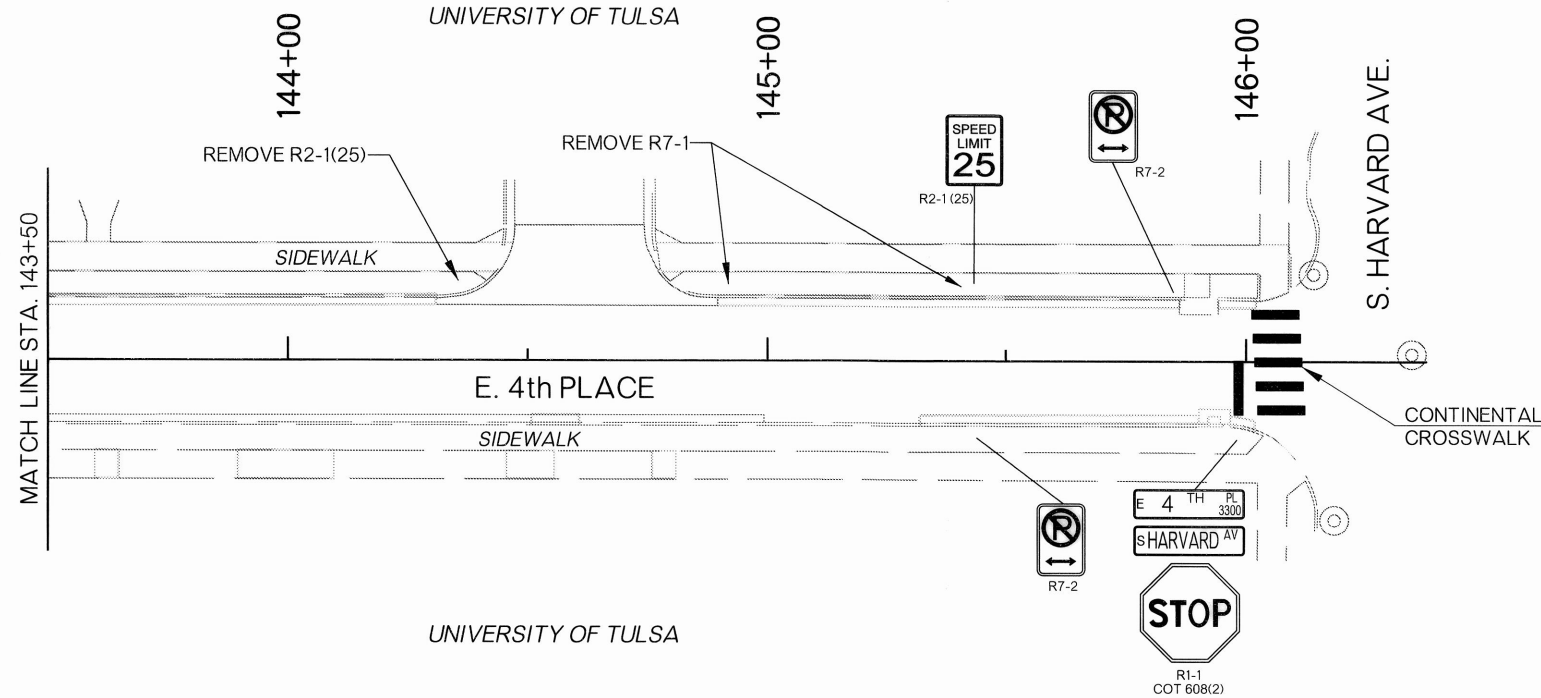
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LEGEND

	4" SOLID WHITE OR YELLOW LANE LINE		24" STOP BAR		8" WHITE DIAGONAL LINE		BIKE LANE MARKER (GREEN BACKGROUND)
	4" DOUBLE SOLID YELLOW CENTERLINE		24" CONTINENTAL CROSSWALK BAR		WHITE ARROW		BIKE LANE MARKER (MID-BLOCK)
			8" DECORATIVE CROSSWALK BAR (OUTLINE)				



REVISION	BY	DATE	PLAN SCALE:	DRAWN	KS	11/2020	APPROVED:
			1" = 20'	DESIGNED	RM	11/2020	
				SURVEY	MW	11/2020	
			PROFILE SCALE:	PROJ. MGR.	MWS	07/2025	
			HORIZONTAL:	LEAD ENGR.			
			1" =	FIELD MGR.	Rem 7/16		
			VERTICAL	RECOMMENDED:	HBS 7-25		
			1" =	DESIGN MANAGER			 CITY ENGINEER
			FILE: H\303914	DRAWING:			DATE: 7/23/2025
			ATLAS PAGE NO: 10 & 11				SHEET 38 OF 56 SHEETS

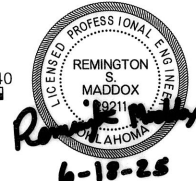


SIGNING & STRIPING (04)			
E. 4th STREET = STA. 143+50 TO STA. 146+15.10			
NON-ARTERIAL STREET REHABILITATION ZONE 4014			
PROJECT NO. 2036N4014Z			
CITY OF TULSA, OKLAHOMA			
PUBLIC WORKS DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:			
POE & ASSOCIATES INC. Tulsa, Oklahoma			

6/17/2025 - 08:59AM I:\303914 MZ 4014\Plan Sheets\303914-Signing and Striping.dgn

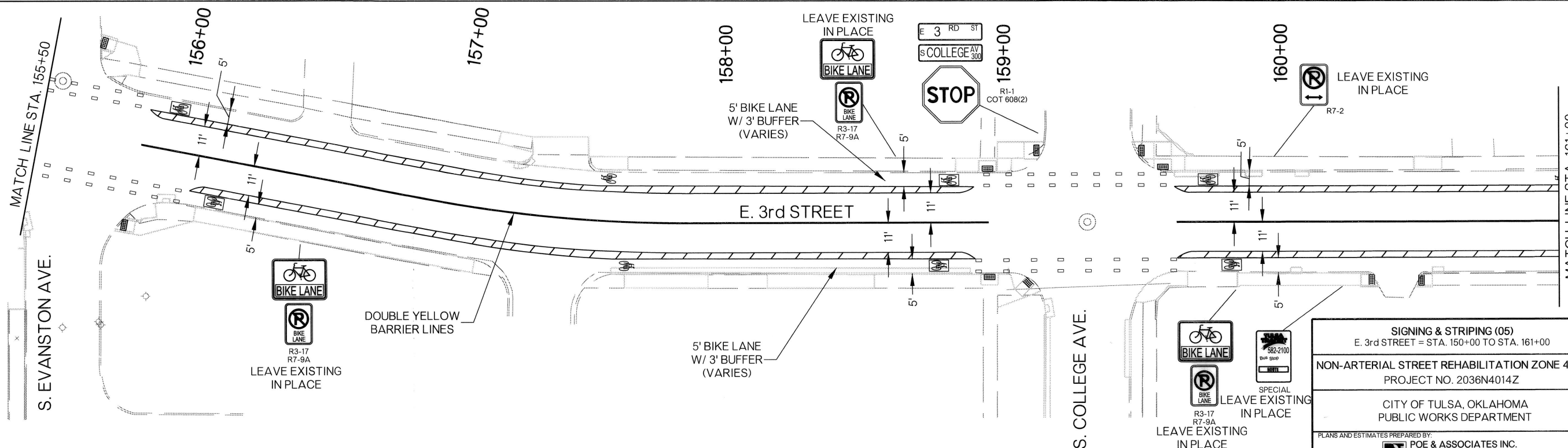
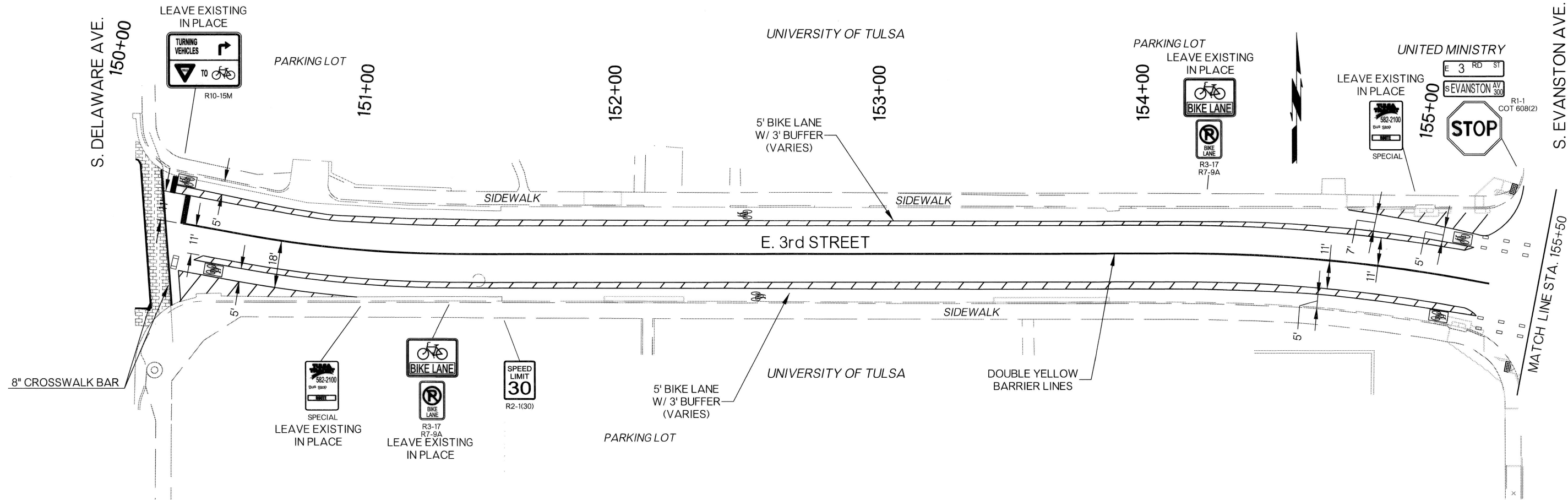
# LEGEND

- |  |                                    |  |                                       |  |                        |  |                                     |
|--|------------------------------------|--|---------------------------------------|--|------------------------|--|-------------------------------------|
|  | 4" SOLID WHITE OR YELLOW LANE LINE |  | 24" STOP BAR                          |  | 8" WHITE DIAGONAL LINE |  | BIKE LANE MARKER (GREEN BACKGROUND) |
|  | 4" DOUBLE SOLID YELLOW CENTERLINE  |  | 24" CONTINENTAL CROSSWALK BAR         |  | WHITE ARROW            |  | BIKE LANE MARKER (MID-BLOCK)        |
|  |                                    |  | 8" DECORATIVE CROSSWALK BAR (OUTLINE) |  |                        |  |                                     |



REVISION	BY	DATE

SIGNING & STRIPING (05) E. 3rd STREET = STA. 150+00 TO STA. 161+00			
NON-ARTERIAL STREET REHABILITATION ZONE 4014 PROJECT NO. 2036N4014Z			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY: POE & ASSOCIATES INC. Tulsa, Oklahoma			
PLAN SCALE: 1" = 20'	DRAWN KS 11/2020	APPROVED: 	CITY ENGINEER DATE: 7/23/2025 SHEET 39 OF 56 SHEETS
PROFILE SCALE: 1" = 1'	SURVEY MW 11/2020	DESIGNED RM 11/2020	
HORIZONTAL: 1" = 1'	PROJ. MGR. AKK 06/25	LEAD ENGR. MVS 07/25	
VERTICAL: 1" = 1'	FIELD MGR. JRM 7/25	RECOMMENDED HKS 7/25	
FILE: H\303914	DRAWING:		
ATLAS PAGE NO: 10 & 11			

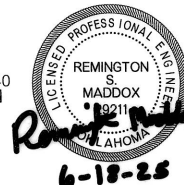




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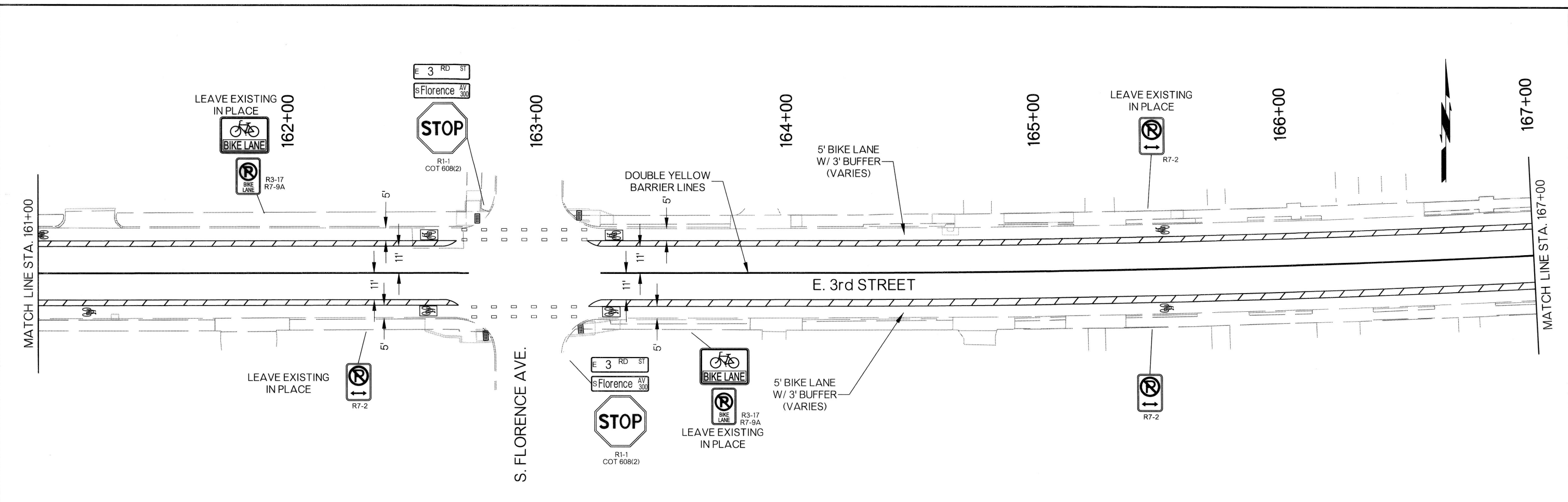
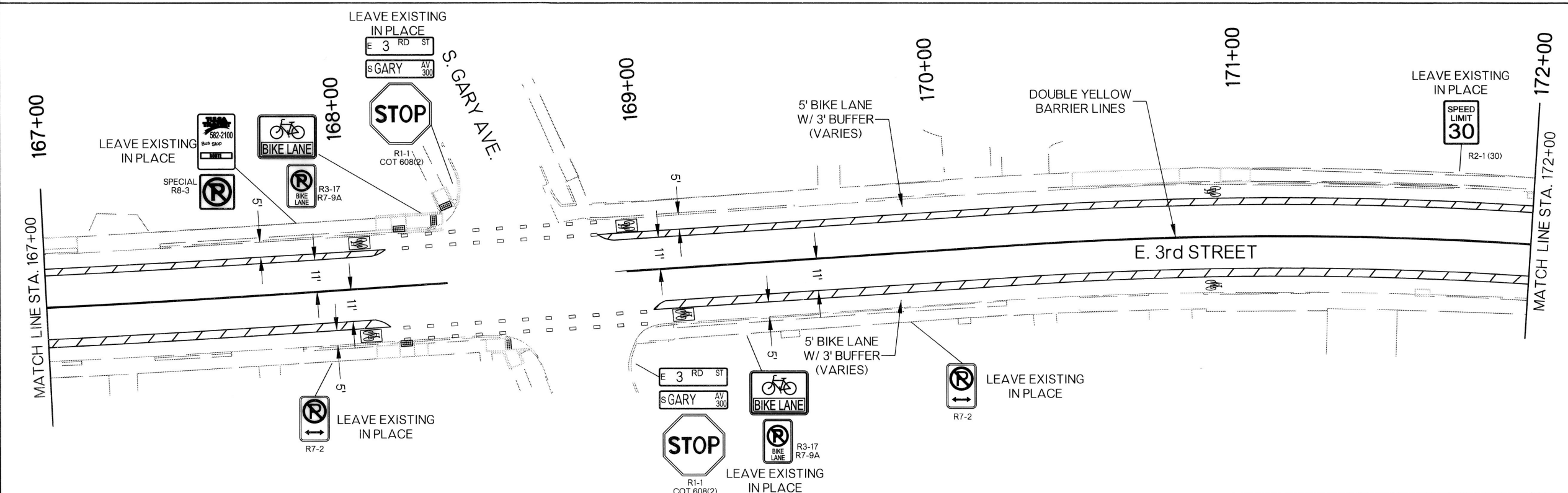
# LEGEND

- |  |                                    |  |                                       |  |                        |  |                                     |
|--|------------------------------------|--|---------------------------------------|--|------------------------|--|-------------------------------------|
|  | 4" SOLID WHITE OR YELLOW LANE LINE |  | 24" STOP BAR                          |  | 8" WHITE DIAGONAL LINE |  | BIKE LANE MARKER (GREEN BACKGROUND) |
|  | 4" DOUBLE SOLID YELLOW CENTERLINE  |  | 24" CONTINENTAL CROSSWALK BAR         |  | WHITE ARROW            |  | BIKE LANE MARKER (MID-BLOCK)        |
|  |                                    |  | 8" DECORATIVE CROSSWALK BAR (OUTLINE) |  |                        |  |                                     |



REVISION	BY	DATE

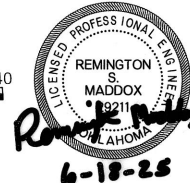
SIGNING & STRIPING (06)			
E. 3rd STREET = STA. 161+00 TO STA. 172+00			
NON-ARTERIAL STREET REHABILITATION ZONE 4014			
PROJECT NO. 2036N4014Z			
CITY OF TULSA, OKLAHOMA			
PUBLIC WORKS DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:			
POE & ASSOCIATES INC.			
Tulsa, Oklahoma			
PLAN SCALE:	DRAWN	KS	11/2020
1" = 20'	DESIGNED	RM	11/2020
PROFILE SCALE:	SURVEY	MW	11/2020
1" =	PROJ. MGR.	ARM	06/25
1" =	LEAD ENGR.	MVS	07/2025
1" =	FIELD MGR.	JPM	7/25
1" =	RECOMMENDED	HAS	7-25
1" =	DESIGN MANAGER		
FILE: H\303914	DRAWING:		DATE: 7/23/2025
ATLAS PAGE NO: 10 & 11			SHEET 40 OF 56 SHEETS



6/17/2025 - 08:59AM I:\303914 MZ 4014\Plan Sheets\303914-Signing and Striping.dgn

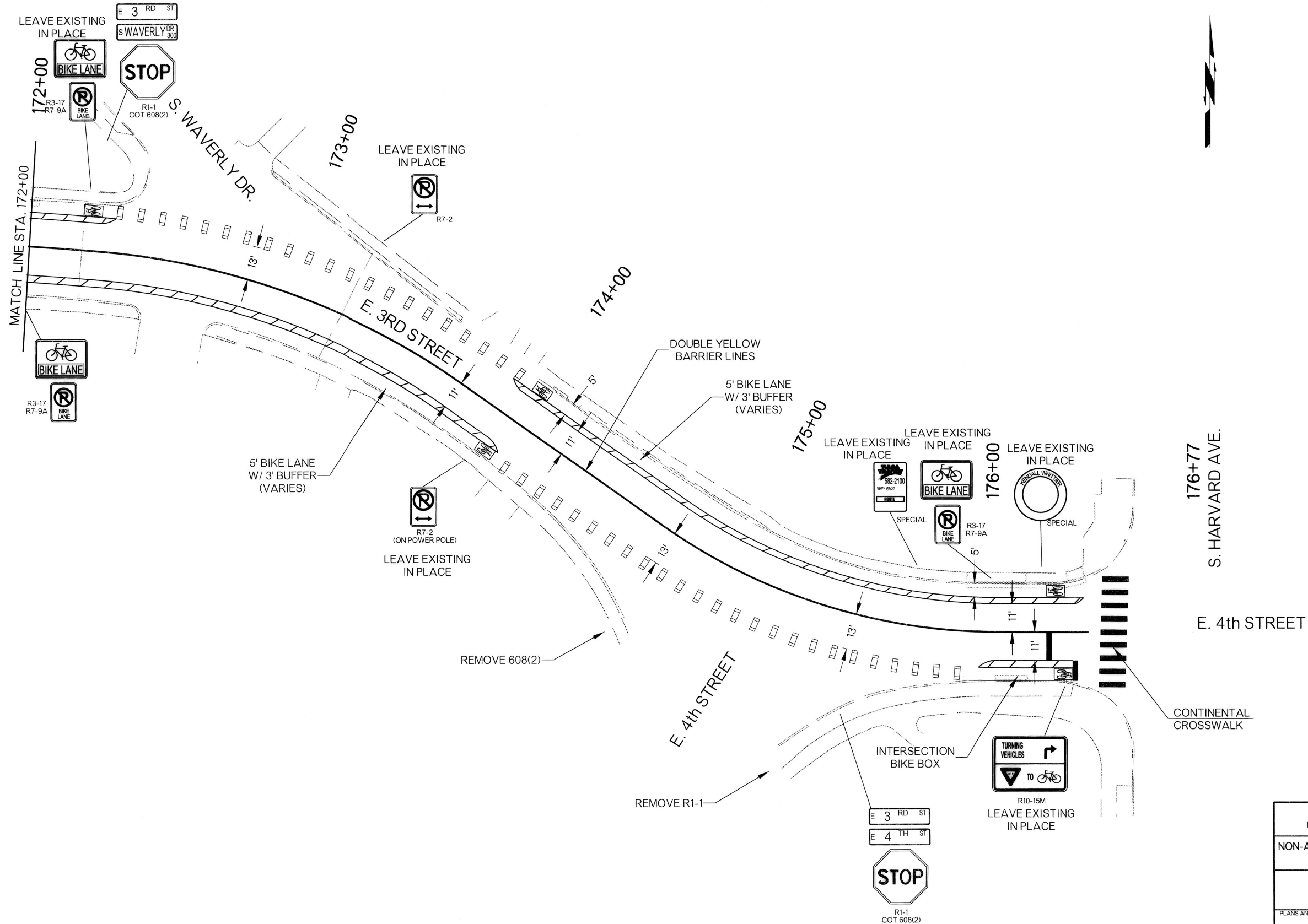
# LEGEND

	4" SOLID WHITE OR YELLOW LANE LINE		24" STOP BAR		8" WHITE DIAGONAL LINE		BIKE LANE MARKER (GREEN BACKGROUND)
	4" DOUBLE SOLID YELLOW CENTERLINE		24" CONTINENTAL CROSSWALK BAR		WHITE ARROW		BIKE LANE MARKER (MID-BLOCK)
			8" DECORATIVE CROSSWALK BAR (OUTLINE)				



REVISION	BY	DATE

PLAN SCALE:	DRAWN	KS	11/2020	APPROVED:
1" = 20'	DESIGNED	RM	11/2020	
	SURVEY	MW	11/2020	
PROFILE SCALE:	PROJ. MGR.	ARR	06/25	
1" =	LEAD ENGR.	MVS	07/2025	
	FIELD MGR.	ARM	7/25	
	RECOMMENDED:	HAS	7-25	
	DESIGN MANAGER			
FILE: H1303914	DRAWING:			CITY ENGINEER
ATLAS PAGE NO: 10 & 11	DATE: 7/23/2025			



SIGNING & STRIPING (07)			
E. 3rd STREET = STA. 172+00 TO STA. 176+54.33			
NON-ARTERIAL STREET REHABILITATION ZONE 4014			
PROJECT NO. 2036N4014Z			
CITY OF TULSA, OKLAHOMA			
PUBLIC WORKS DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:			
POE & ASSOCIATES INC.			
Tulsa, Oklahoma			

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## LEGEND

4" SOLID WHITE OR YELLOW  
LANE LINE

4" DOUBLE SOLID YELLOW  
CENTERLINE

24" STOP BAR

24" CONTINENTAL  
CROSSWALK BAR

8" DECORATIVE CROSSWALK  
BAR (OUTLINE)

8" WHITE  
DIAGONAL LINE

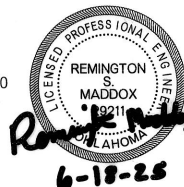
WHITE ARROW

BIKE LANE  
MARKER  
(GREEN BACKGROUND)

BIKE LANE  
MARKER  
(MID-BLOCK)

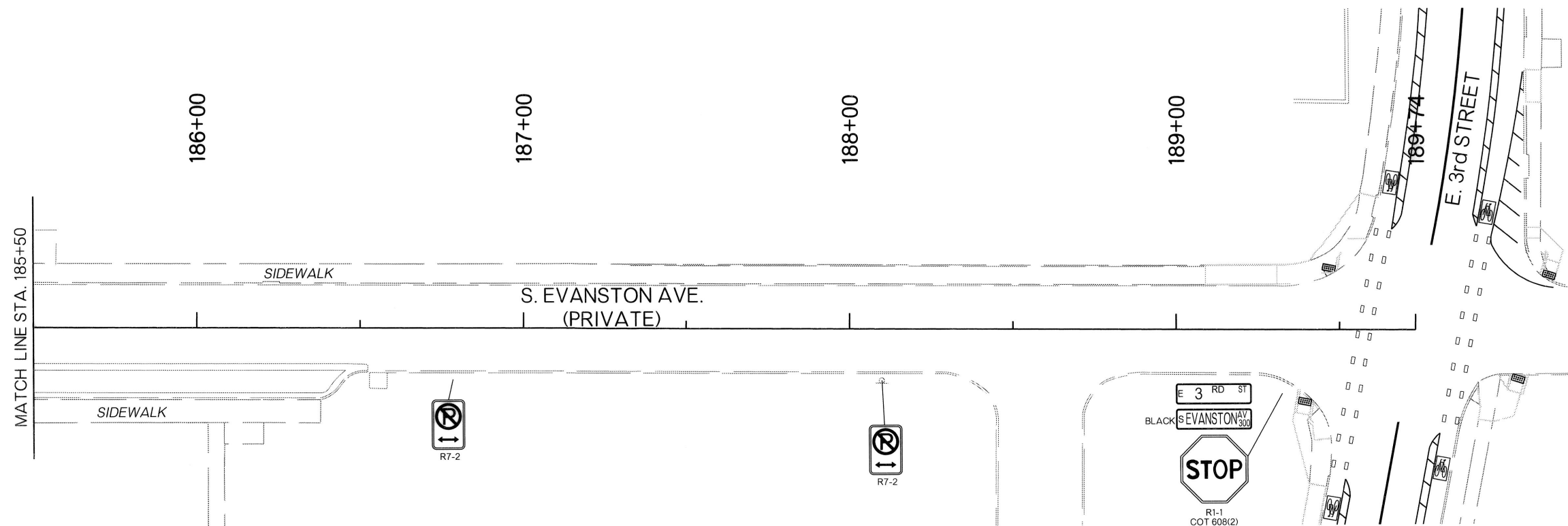
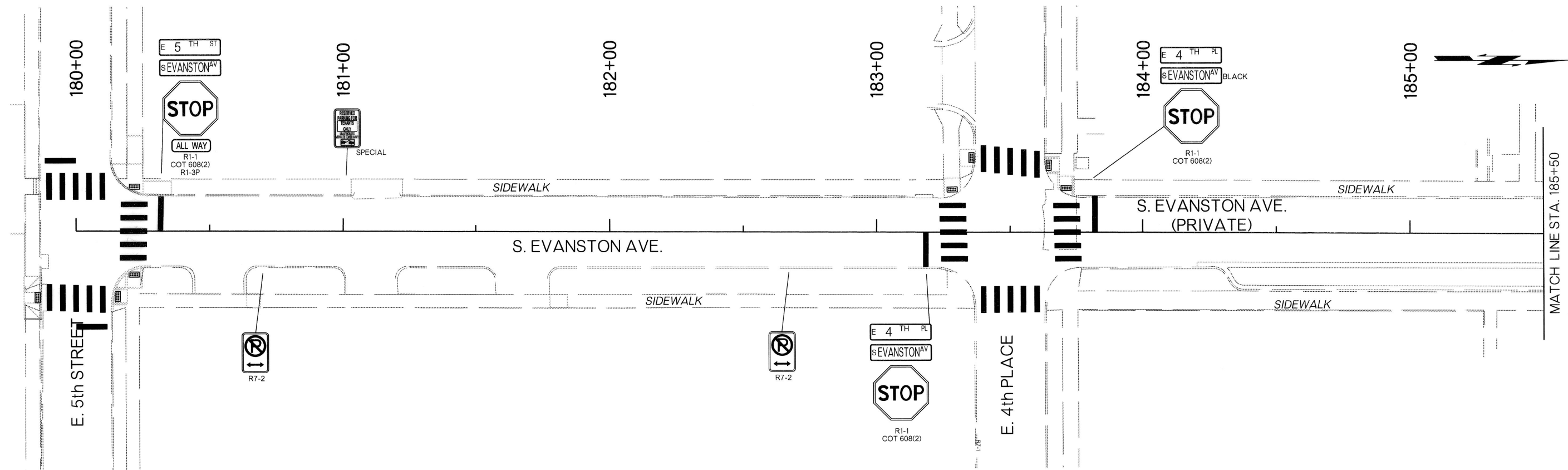


0 20 40  
SCALE IN FEET



REVISION	BY	DATE

SIGNING & STRIPING (08)			
S. EVANSTON AVE. = STA. 180+00 TO STA. 189+74			
NON-ARTERIAL STREET REHABILITATION ZONE 4014 PROJECT NO. 2036N4014Z			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY: POE & ASSOCIATES INC. Tulsa, Oklahoma			
PLAN SCALE:	DRAWN	KS	11/2020
	DESIGNED	RM	11/2020
	SURVEY	MW	11/2020
PROFILE SCALE:	PROJ. MGR.	ARE	06/25
	LEAD ENGR.	NWB	07/2025
HORIZONTAL:	FIELD MGR.	ARE	07/2025
	RECOMMENDED		
VERTICAL:	DESIGN MANAGER	HAS	7-25
FILE: H:\303914	DRAWING:		CITY ENGINEER
ATLAS PAGE NO: 10 & 11			DATE: 7/23/2025
			SHEET 42 OF 56 SHEETS





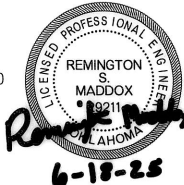
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LEGEND

- |  |                                    |  |                                       |  |                        |  |                                     |
|--|------------------------------------|--|---------------------------------------|--|------------------------|--|-------------------------------------|
|  | 4" SOLID WHITE OR YELLOW LANE LINE |  | 24" STOP BAR                          |  | 8" WHITE DIAGONAL LINE |  | BIKE LANE MARKER (GREEN BACKGROUND) |
|  | 4" DOUBLE SOLID YELLOW CENTERLINE  |  | 24" CONTINENTAL CROSSWALK BAR         |  | WHITE ARROW            |  | BIKE LANE MARKER (MID-BLOCK)        |
|  |                                    |  | 8" DECORATIVE CROSSWALK BAR (OUTLINE) |  |                        |  |                                     |

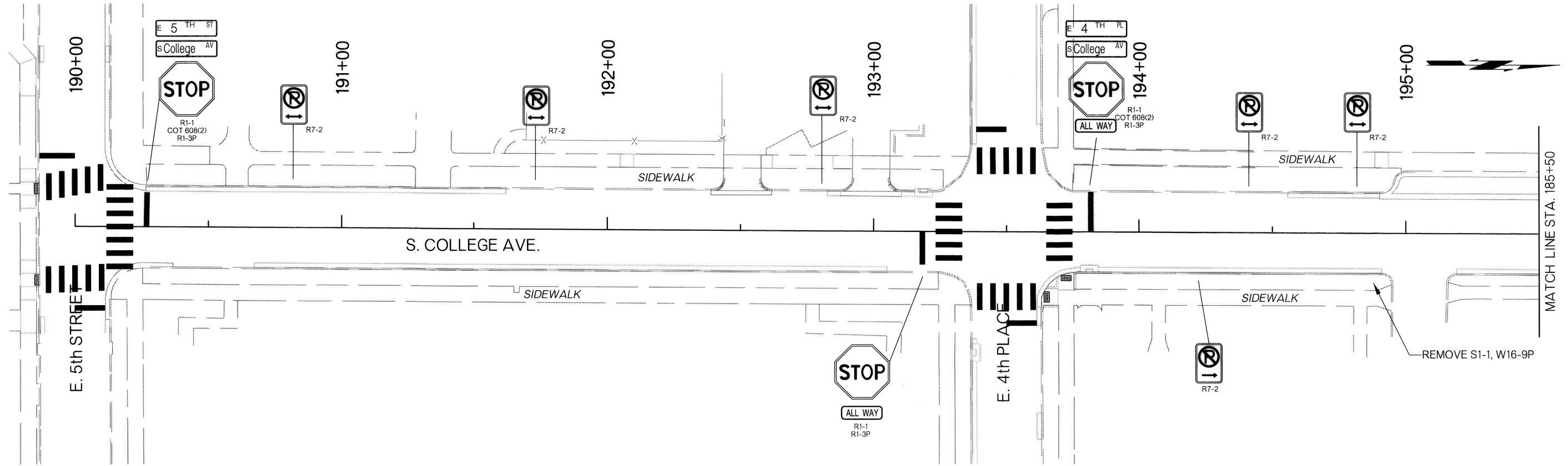
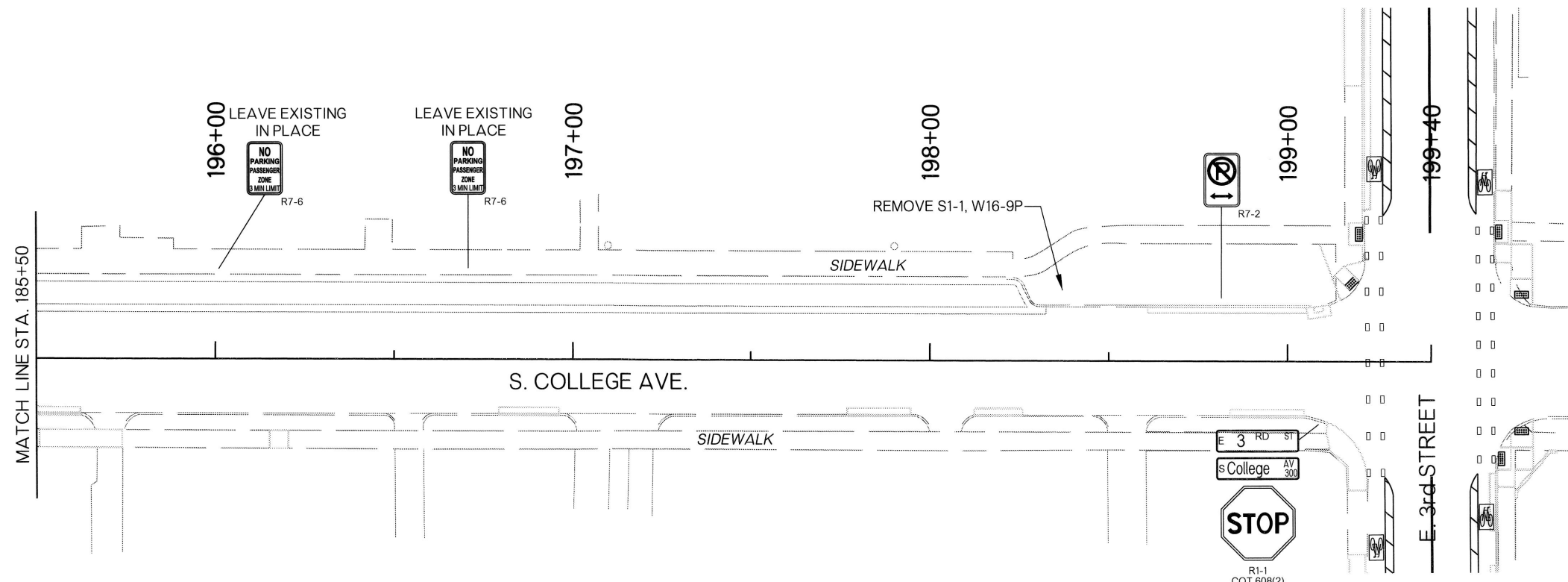


20 0 20 40  
SCALE IN FEET



REVISION	BY	DATE	PLAN SCALE:	DRAWN	KS	11/2020	APPROVED:
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				SURVEY	MW	11/2020	
			PROFILE SCALE:	PROJ. MGR.	MKS	07/2025	
				LEAD ENGR.			
			HORIZONTAL:	FIELD MGR.			
				RECOMMENDED:			
			VERTICAL:	DESIGN MANAGER			
			FILE: H\303914	DRAWING:			
			ATLAS PAGE NO: 10 & 11				

DATE: 7/23/2025	CITY ENGINEER: [Signature]
SHEET 43 OF 56 SHEETS	

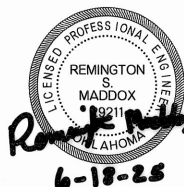



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LEGEND

	4" SOLID WHITE OR YELLOW LANE LINE		24" STOP BAR		8" WHITE DIAGONAL LINE		BIKE LANE MARKER (GREEN BACKGROUND)
	4" DOUBLE SOLID YELLOW CENTERLINE		24" CONTINENTAL CROSSWALK BAR		WHITE ARROW		BIKE LANE MARKER (MID-BLOCK)
			8" DECORATIVE CROSSWALK BAR (OUTLINE)				

\*\*SEE FWHA INTERIM APPROVAL IA-18

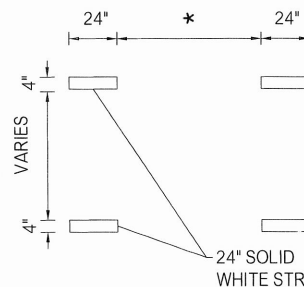


REVISION	BY	DATE	PLAN SCALE:	DRAWN	KS	11/2020	APPROVED:
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			HORIZONTAL: I" =	LEAD ENGR.	MVS	07/2025	
				FIELD MGR.	BZM	7/26	
			VERTICAL: I" =	RECOMMENDED	HAK	7-25	
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			ATLAS PAGE NO:	10 & 11			SHEET 44 OF 56 SHEET

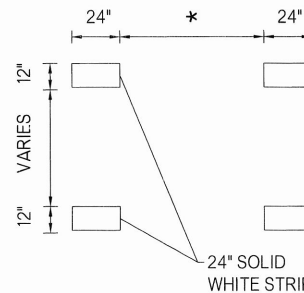
NOTE:  
1. ALL STRIPING & SIGNAGE SHALL MEET CURRENT MUTCD GUIDELINES AND CITY OF TULSA STANDARDS

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

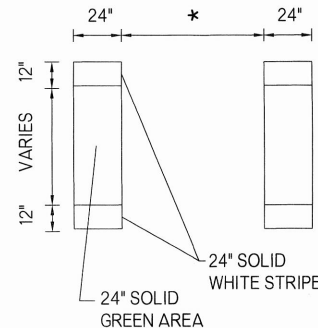
DIMENSIONS FOR BIKE LANE THRU DRIVEWAY  
N.T.S.



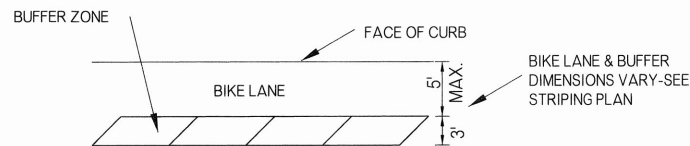
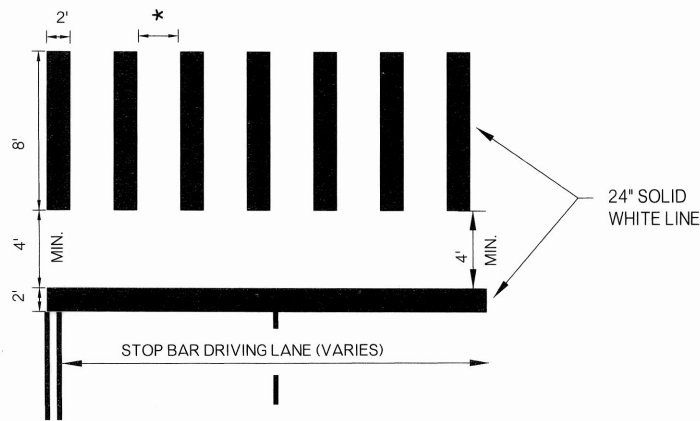
DIMENSIONS FOR BIKE LANE CONFLICT AREA 2  
(THRU INTERSECTION)  
N.T.S.



DIMENSIONS FOR BIKE LANE CONFLICT AREA 1  
(THRU INTERSECTION)  
N.T.S.

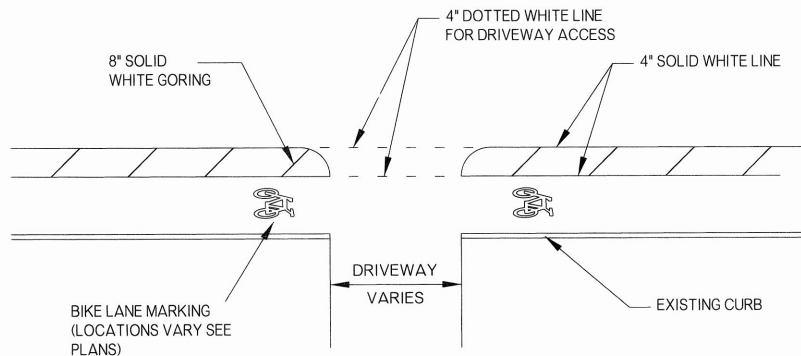


CONTINENTAL CROSSWALK DETAIL  
N.T.S.

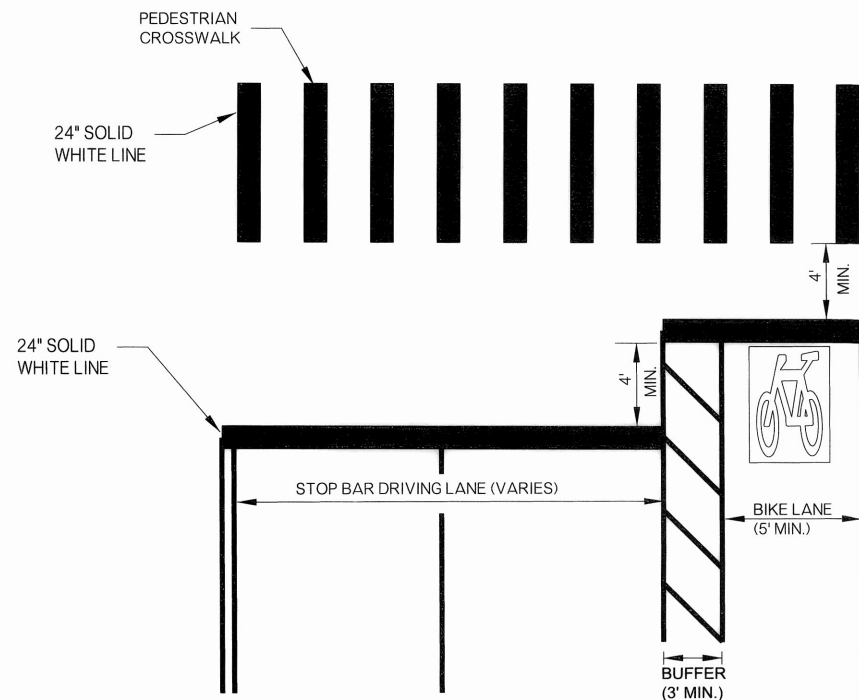


TYPICAL BIKE LANE LAYOUT  
N.T.S.

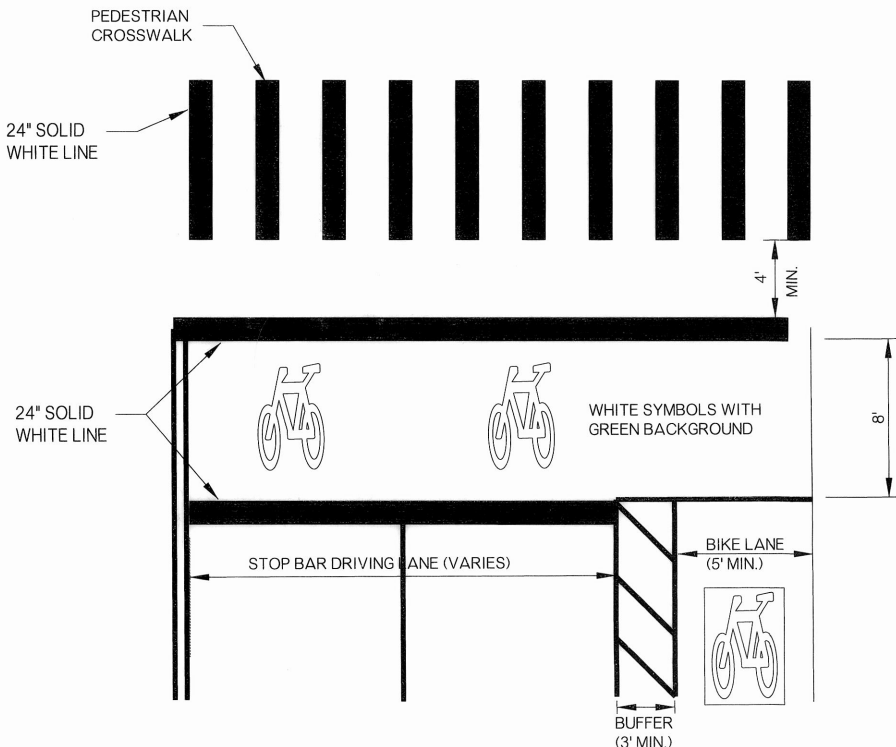
BIKE LANE WITH 3' BUFFER DETAIL  
N.T.S.



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

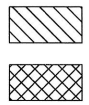


INTERSECTION BIKE BOX\*\*  
N.T.S.

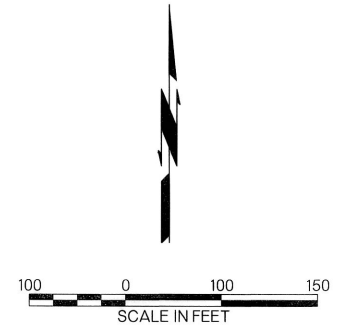
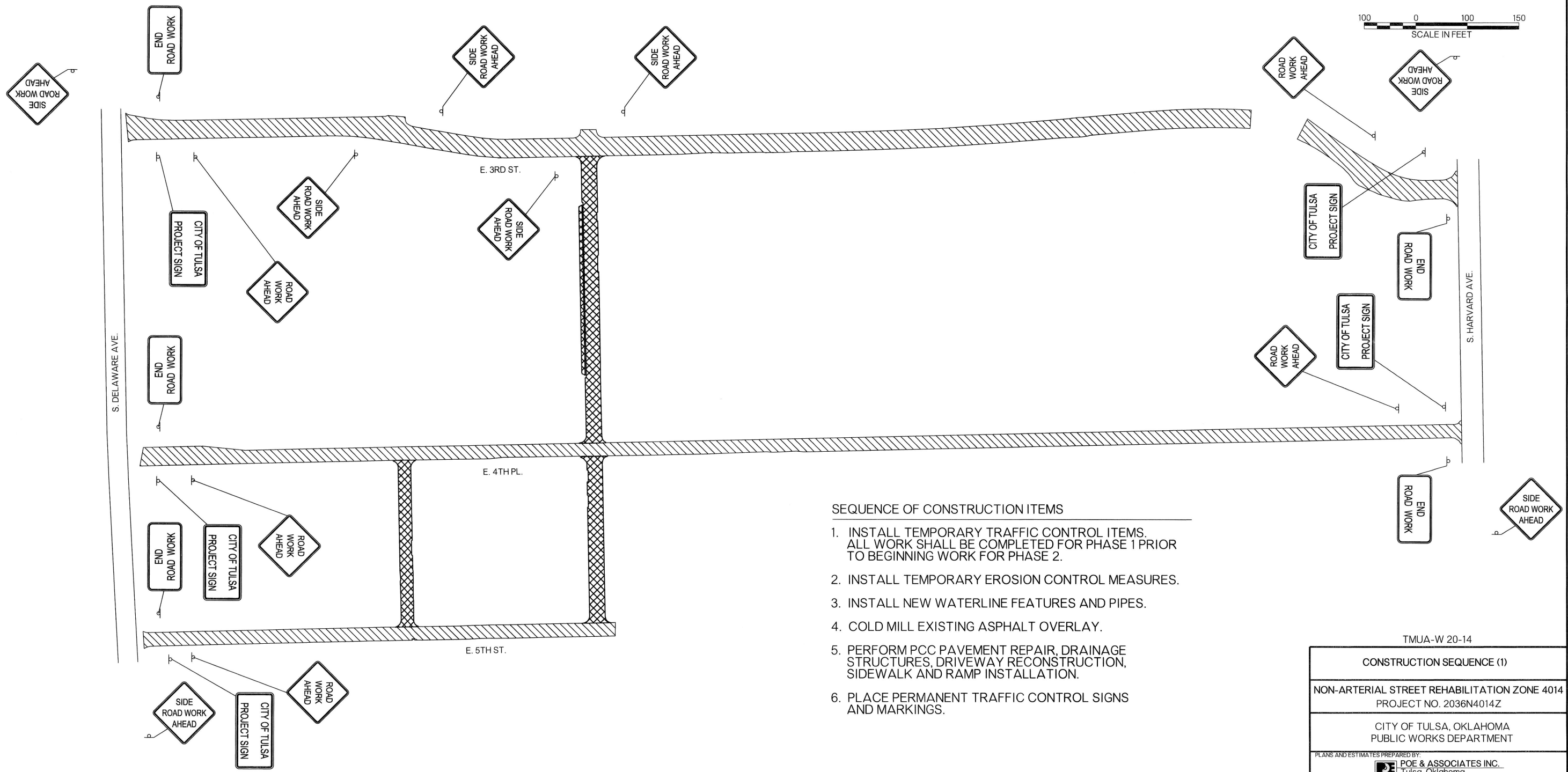


NOTE:  
\* CROSSWALK BARS SHALL BE EVENLY SPACED AND SHALL BE PLACED IN LINE WITH THE LANE LINES AND AT THE CENTERLINE OF EACH LANE.

LEGEND

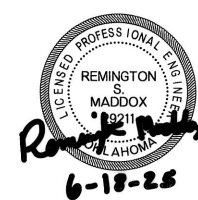


PHASE 1  
PHASE 2



SEQUENCE OF CONSTRUCTION ITEMS

1. INSTALL TEMPORARY TRAFFIC CONTROL ITEMS.  
ALL WORK SHALL BE COMPLETED FOR PHASE 1 PRIOR TO BEGINNING WORK FOR PHASE 2.
2. INSTALL TEMPORARY EROSION CONTROL MEASURES.
3. INSTALL NEW WATERLINE FEATURES AND PIPES.
4. COLD MILL EXISTING ASPHALT OVERLAY.
5. PERFORM PCC PAVEMENT REPAIR, DRAINAGE STRUCTURES, DRIVEWAY RECONSTRUCTION, SIDEWALK AND RAMP INSTALLATION.
6. PLACE PERMANENT TRAFFIC CONTROL SIGNS AND MARKINGS.



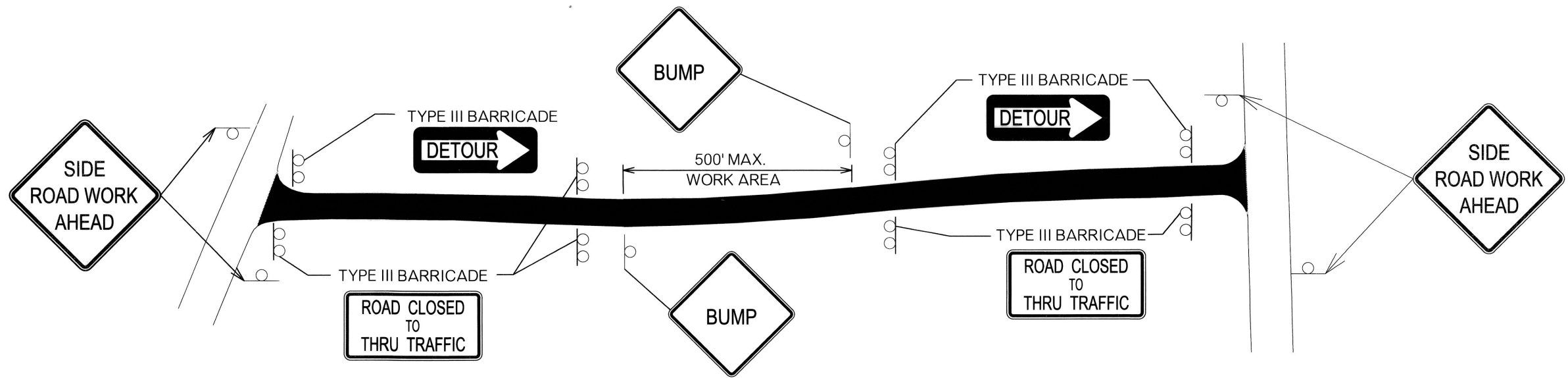
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						SURVEY	MW 11/2020	
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					HORIZONTAL:	LEAD ENGR.	BAM 7/25	
					1" = N/A	FIELD MGR.	HPS 7-25	
					VERTICAL	RECOMMENDED	HPS 7-25	
					1" = N/A	DESIGN MANAGER		
					FILE: H1303914	DRAWING: 303914-Const Sequence		DATE: 7/23/2025
					ATLAS PAGE NO: 10 & 11			SHEET 45 OF 56 SHEETS

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CONSTRUCTION SEQUENCE (1)  
NON-ARTERIAL STREET REHABILITATION ZONE 4014  
PROJECT NO. 2036N4014Z  
CITY OF TULSA, OKLAHOMA  
PUBLIC WORKS DEPARTMENT

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





TYPICAL STREET CONSTRUCTION

NOTES:

1. CONTRACTOR SHALL SUBMIT TO THE CITY OF TULSA FOR APPROVAL, PRIOR TO CONSTRUCTION, A CONSTRUCTION SEQUENCE AND TRAFFIC CONTROL PLAN.
2. CONTRACTOR SHALL LIMIT PAVEMENT REMOVAL / SUBGRADE PREPARATION AND AGGREGATE BASE PLACEMENT TO A MAXIMUM OF 500 LINEAR FEET AND MUST BE RE-OPENED TO RESIDENT ACCESS AT THE END OF EACH DAY.
3. ALL DRIVEWAYS AND MAILBOXES SHALL BE ACCESSIBLE TO RESIDENTS AND MAIL CARRIERS

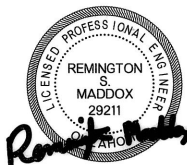
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NON-ARTERIAL STREET REHABILITATION ZONE 4014  
PROJECT NO. 2036N4014Z

CITY OF TULSA, OKLAHOMA  
PUBLIC WORKS DEPARTMENT

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

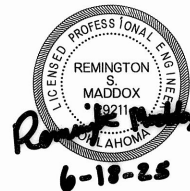
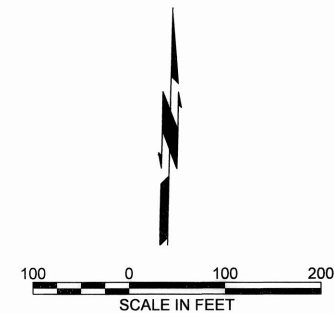
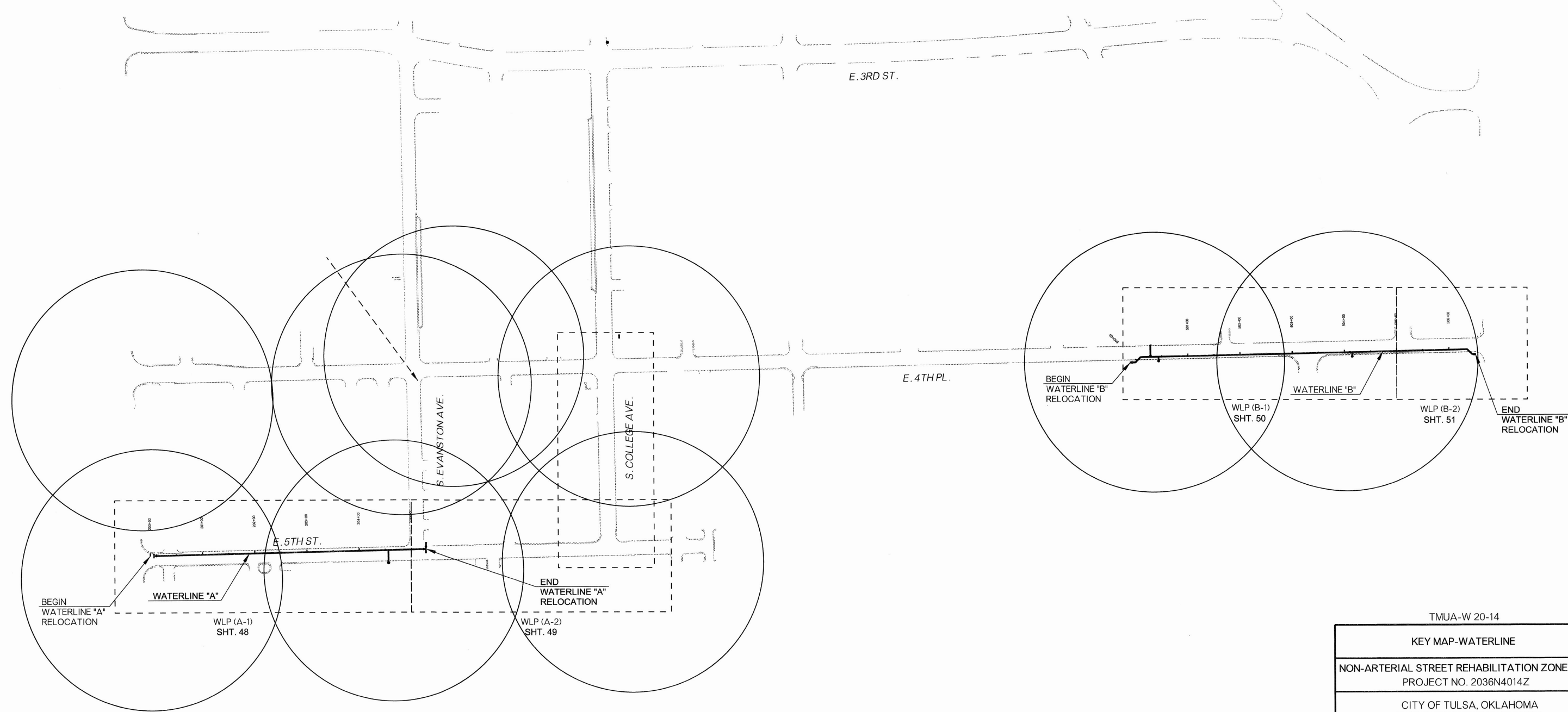
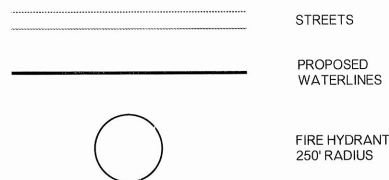
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				SURVEY	MW	11/2020	
			PROFILE SCALE:	PROJ. MGR.	per 06/25		
				LEAD ENGR.			
			HORIZONTAL:	FIELD MGR.	per 7/25		
			1" = N/A	RECOMMENDED:			
			VERTICAL:	DESIGN MANAGER	per 7-25		
			1" = N/A				
			FILE: H\303914	DRAWING: 303914-Const Sequence			CITY ENGINEER
			ATLAS PAGE NO: 10 & 11				DATE: 7/23/2025
							SHEET 46 OF 56 SHEETS



6-18-25

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LEGEND



REVISION				BY	DATE

TMJA-W 20-14			
KEY MAP-WATERLINE			
NON-ARTERIAL STREET REHABILITATION ZONE 4014 PROJECT NO. 2036N4014Z			
CITY OF TULSA, OKLAHOMA PUBLIC WORKS DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY: POE & ASSOCIATES INC. Tulsa, Oklahoma			
PLAN SCALE:	DRAWN	BKN	11/2020
1" = 100'	DESIGNED	RWS	11/2020
	SURVEY	MW	11/2020
PROFILE SCALE:	PROJ. MGR.	ETS	6/25
	LEAD ENGR.	GEW	6/25
HORIZONTAL:	FIELD MGR.	KEA	7/25
1" = N/A			
VERTICAL:			
1" = N/A			
FILE: H\303914	DRAWING: 303914-Key Map-Waterline	DATE: 7/23/2025	
ATLAS PAGE NO: 10 & 11		SHEET 47 OF 56 SHEETS	





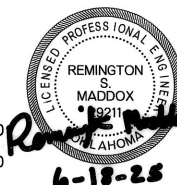
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LEGEND

- |                                |                      |
|--------------------------------|----------------------|
| PROPOSED WATERLINE             | RESET WATER METER    |
| 1 1/2" TYPE "A" AGGREGATE BASE | P.C.C. PAVEMENT      |
| CURB & GUTTER PATCHING         | SIDEWALK REPLACEMENT |

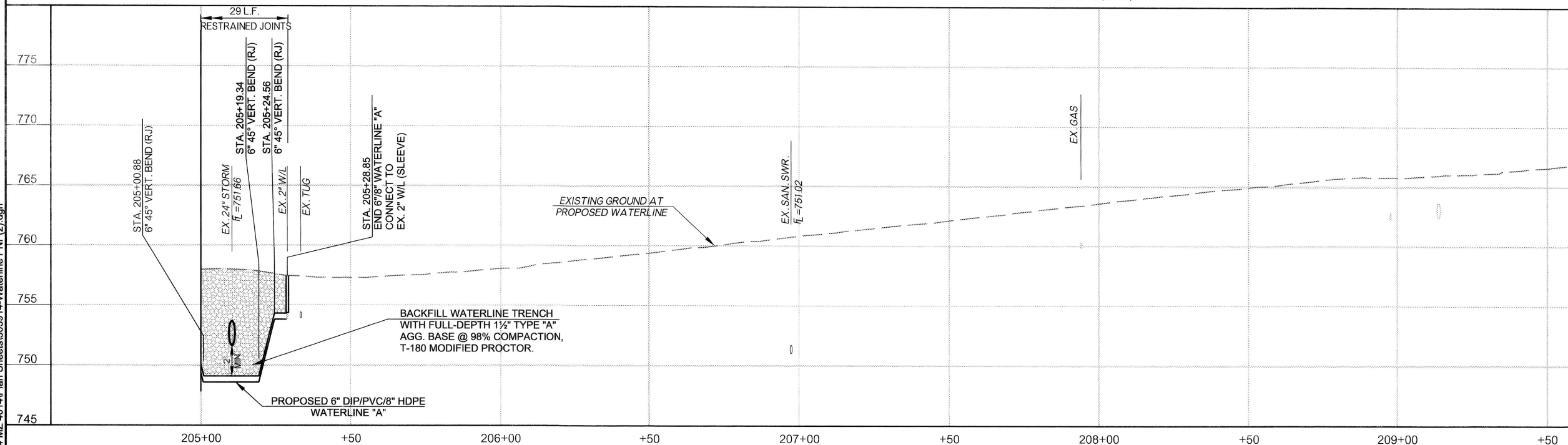


HORIZONTAL SCALE IN FEET  
20 0 20 40  
5 0 5 10  
VERTICAL SCALE IN FEET



REVISION	BY	DATE	PLAN SCALE:	DRAWN	BN KC	2/2021	APPROVED:
			1" = 20'	DESIGNED	RWS	2/2021	
			PROFILE SCALE:	SURVEY	MW	11/2020	
			HORIZONTAL:	PROJ. MGR.	CS	6/25	
			1" = 20'	LEAD ENGR.	CS	6/25	
			VERTICAL:	FIELD MGR.	CS	6/25	
			1" = 5'	RECOMMENDED	CS	6/25	
			FILE:	DESIGN MANAGER			
			H3303914	DRAWING:	303914-Waterline PNP(2)		
			ATLAS PAGE NO:	11			

DATE:	7/27/2025
CITY ENGINEER	
SHEET	49 OF 56 SHEETS



#### CONTROL:

CP# 19, 3/8 IP W/CAP  
STA. 205+27.13, 19.45' LT  
N= 426401.579  
E= 2574445.886  
ELEV.= 757.043

CP# 20, 3/8 IP W/CAP  
STA. 209+30.52, 32.45' RT  
N= 426359.012  
E= 2574850.361  
ELEV.= 767.273

TMUA-W 20-14

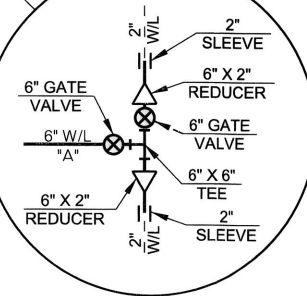
WATERLINE PLAN & PROFILE "A" (2)  
E. 5TH ST= STA. 205+00 TO 210+00

NON-ARTERIAL STREET REHABILITATION ZONE 4014  
PROJECT NO. 2036N4014Z

CITY OF TULSA, OKLAHOMA  
PUBLIC WORKS DEPARTMENT

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

FURNISHED BY CONTRACTOR  
INSTALLED BY CONTRACTOR  
STA. 205+28.85 WATERLINE "A"  
STA. 105+66.49, 7.27' LT C.R.L. E. 5TH ST.  
END PROP. 6" D.I.P./PVC/8" HDPE WATERLINE "A"  
CONNECT TO EX. 2" WATERLINE  
1 - 6" X 6" TEE (RJ)  
2 - 6" X 2" REDUCER (RJ)  
2 - 6" GATE VALVE (RJ)  
2 - VALVE BOXES  
2 - 2" SLEEVES (RJ)  
N=426382.17  
E=2574448.06

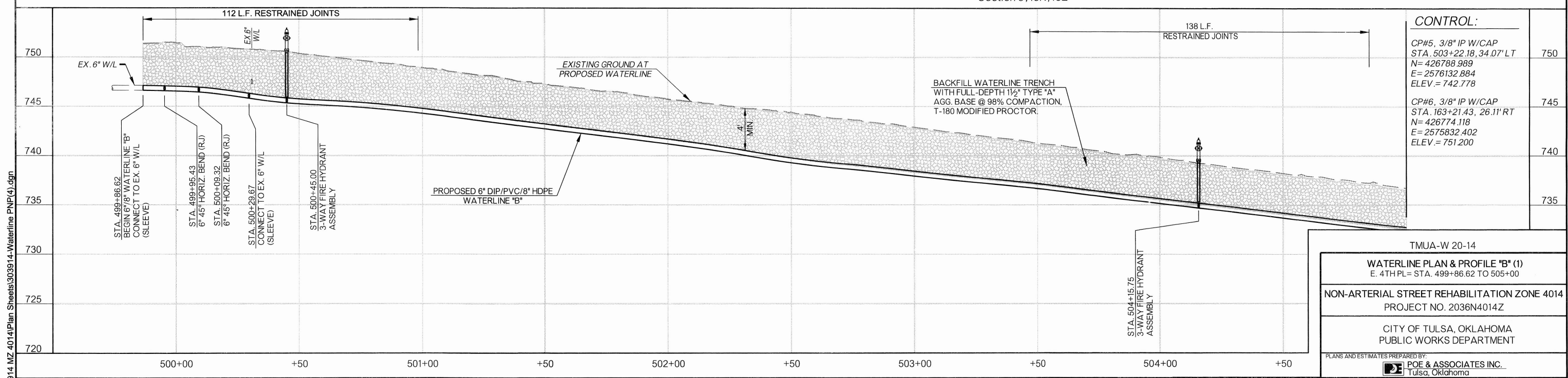
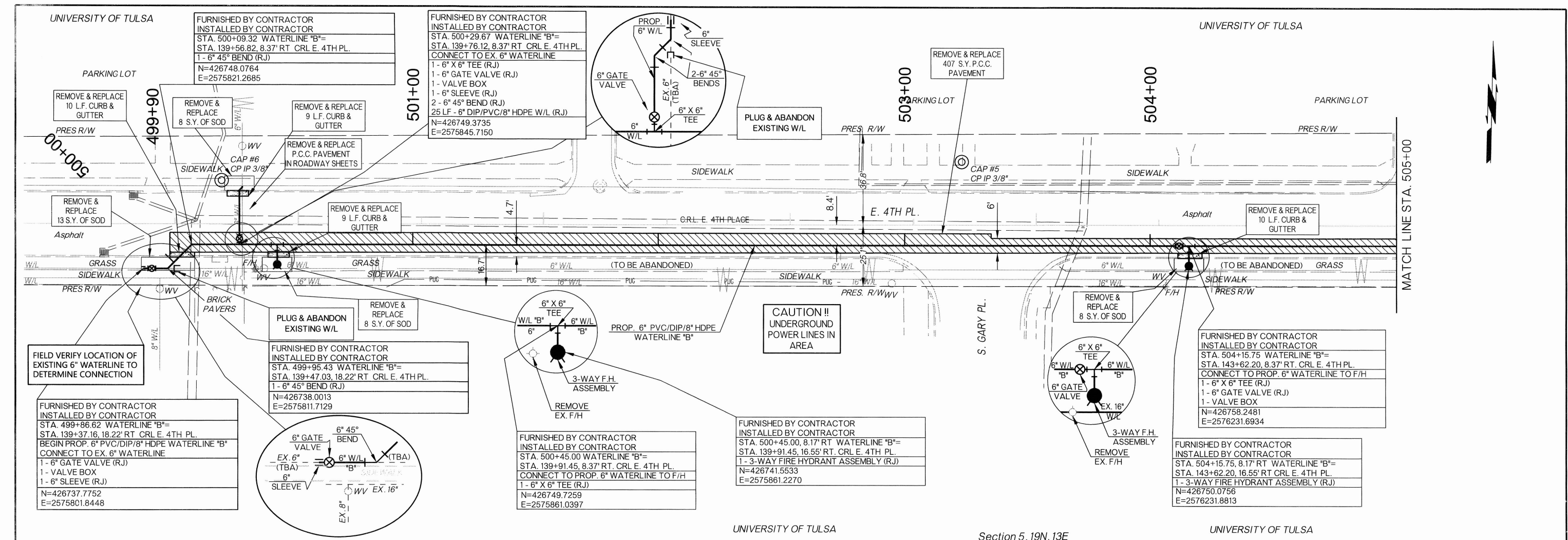


#### SERVICE CONNECTIONS THIS SHEET

0 - 3/4" SHORT  
0 - 1" SHORT  
0 - 3/4" LONG  
0 - 1" LONG

Section 5, 19N, 13E

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PROPOSED WATERLINE

1 1/2" TYPE "A" AGGREGATE BASE

CURB & GUTTER PATCHING

RESET WATER METER

P.C.C. PAVEMENT

SIDEWALK REPLACEMENT

BEFORE YOU DIG  
CALL OKIE  
1-800-422-OKIE

REMINGTON S. MADDOX  
REGISTERED PROFESSIONAL ENGINEER  
NO. 19211  
STATE OF OKLAHOMA

6-18-25

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

VERTICAL SCALE IN FEET

REVISION	BY	DATE	PLAN SCALE:	DRAWN	BN KC	2/2021	APPROVED:
			1" = 20'	DESIGNED	RWS	11/2020	
				SURVEY	MW	11/2020	
			PROFILE SCALE:	PROJ. MGR.	CS	6/15	
				LEAD ENGR.	CS	4/25	
				FIELD MGR.	CS	7/25	
			HORIZONTAL:				
			1" = 20'				
			VERTICAL:				
			1" = 5'				
			FILE:	H:\303914	DRAWING:	303914-Waterline PNP(4)	
			ATLAS PAGE NO:	10 & 11			

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WATERLINE PLAN & PROFILE "B" (1)  
E. 4TH PL. = STA. 499+86.62 TO 505+00

NON-ARTERIAL STREET REHABILITATION ZONE 4014  
PROJECT NO. 2036N4014Z

CITY OF TULSA, OKLAHOMA  
PUBLIC WORKS DEPARTMENT

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

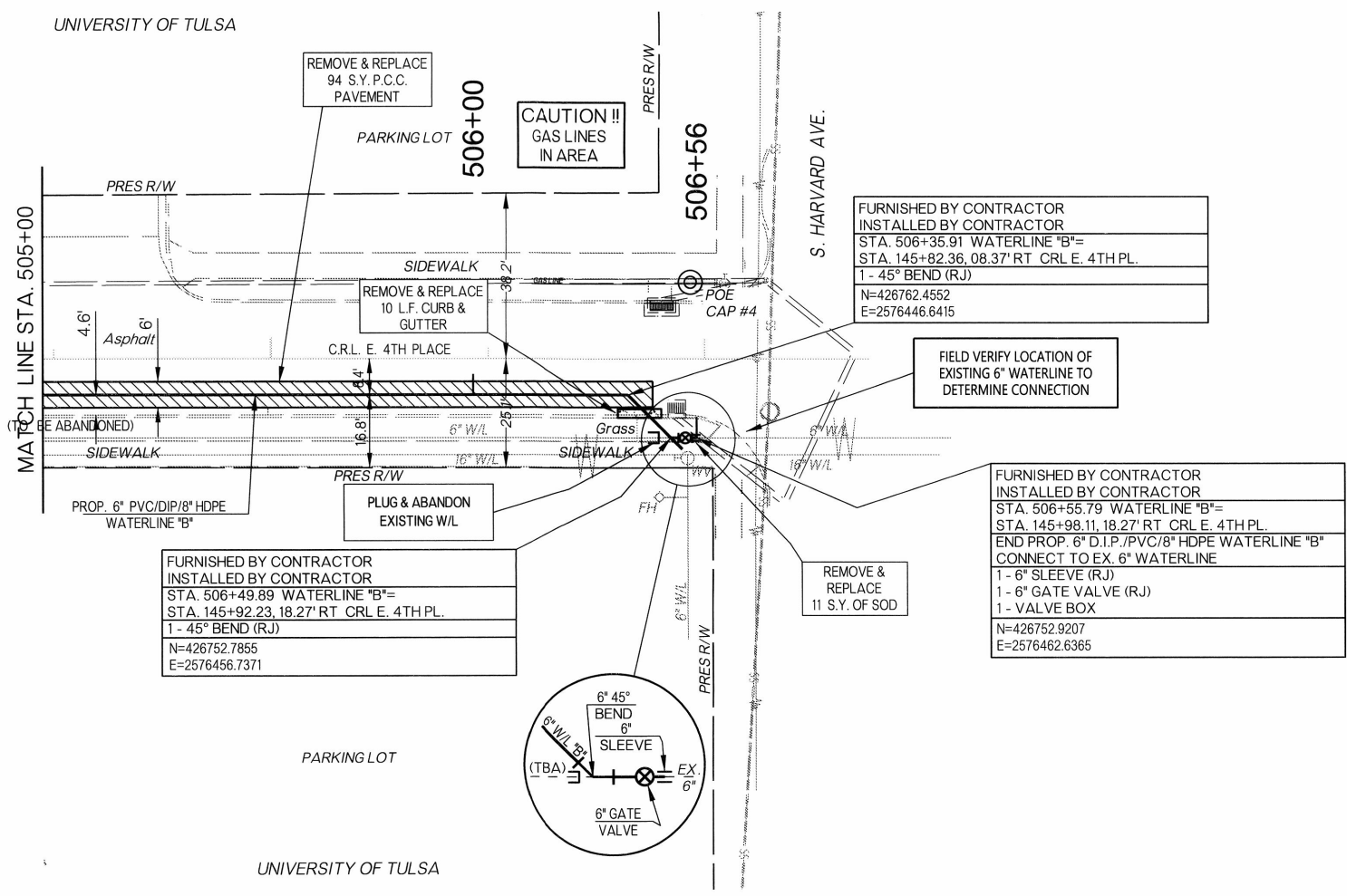
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DESIGN MANAGER

7/23/2025

CITY ENGINEER

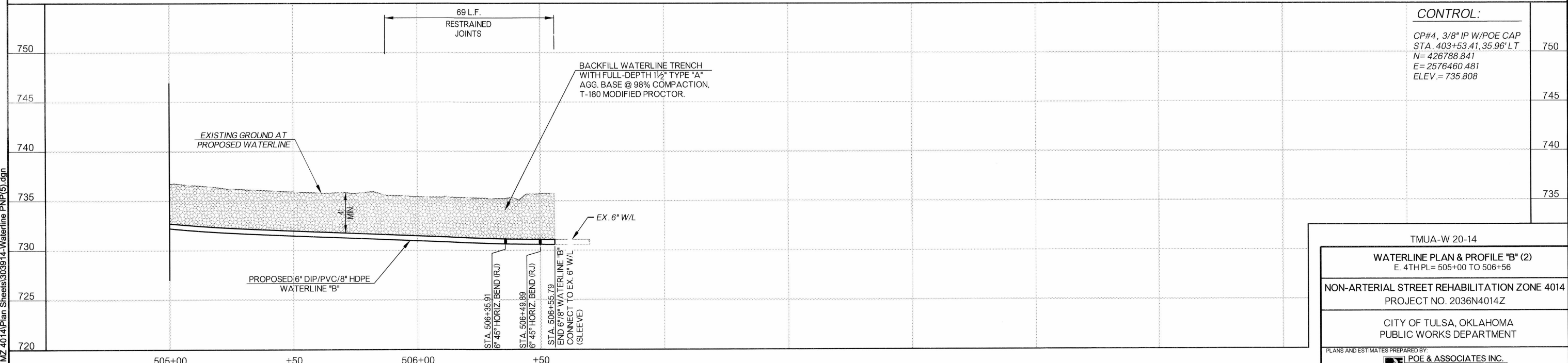
DATE

SHEET 50 OF 56 SHEETS



Section 5, 19N, 13E

SERVICE CONNECTIONS THIS SHEET	
0 - 3/4" SHORT	
0 - 1" SHORT	
0 - 3/4" LONG	
0 - 1" LONG	



LEGEND

PROPOSED WATERLINE

1 1/2" TYPE "A" AGGREGATE BASE

CURB & GUTTER PATCHING

RESET WATER METER

P.C.C. PAVEMENT

SIDEWALK REPLACEMENT

BEFORE YOU DIG  
CALL OKIE

811  
1-800-322-OKIE

PROFESSIONAL ENGINEER  
REMYNTON S. MADDOX  
19211  
OKLAHOMA

6-18-25

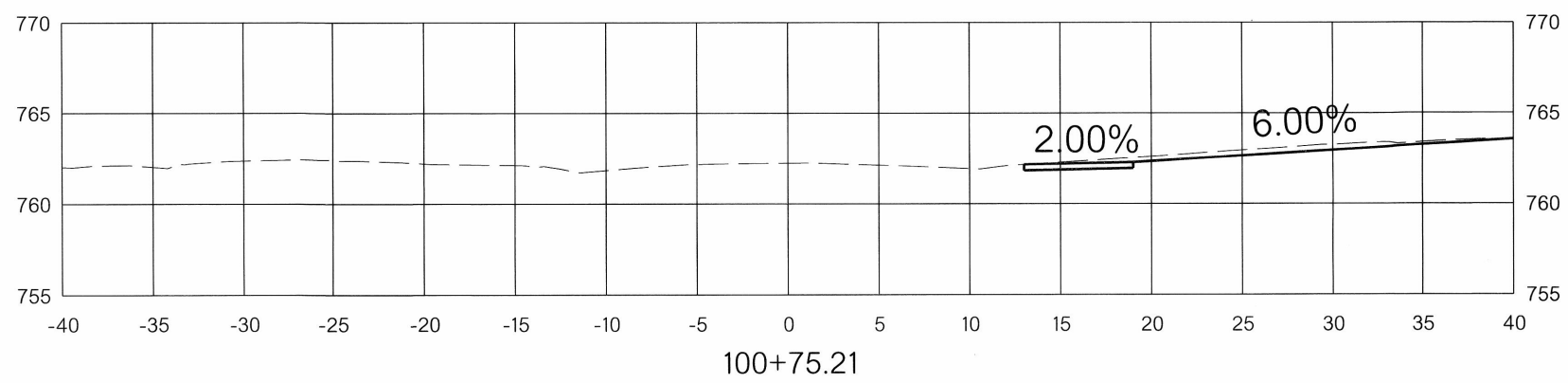
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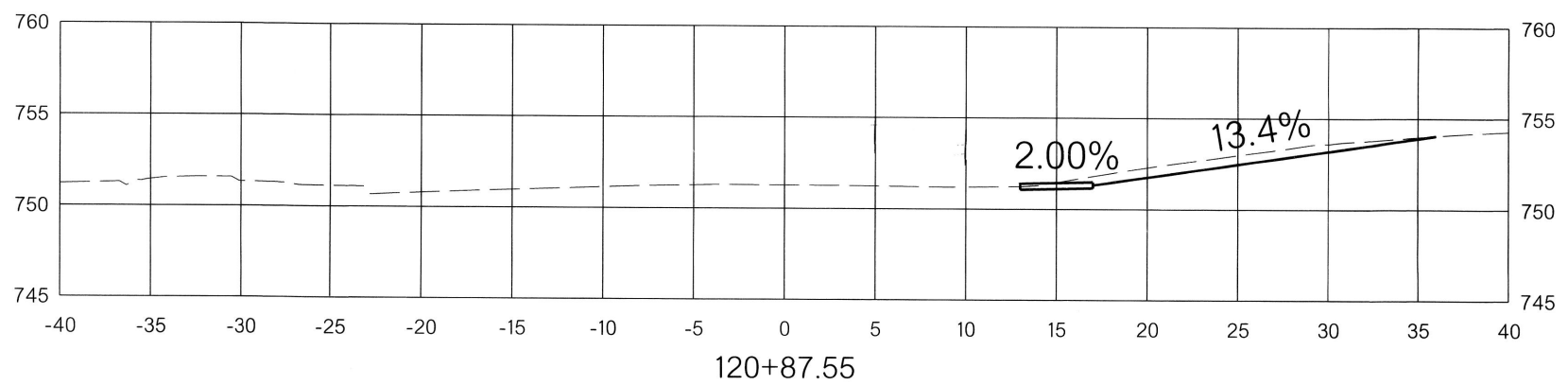
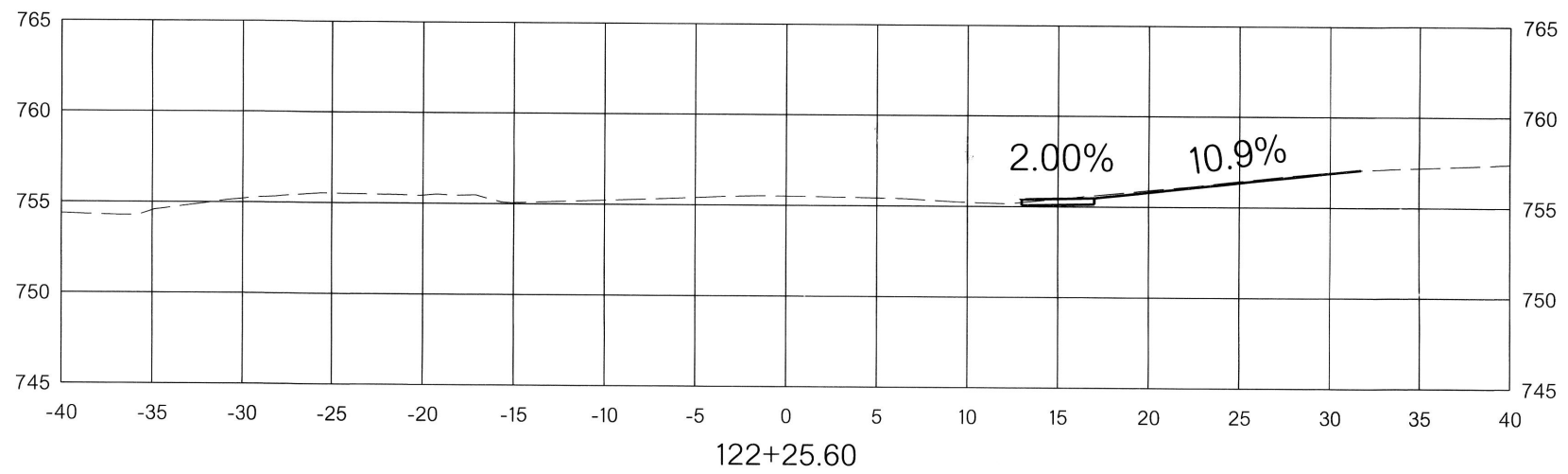
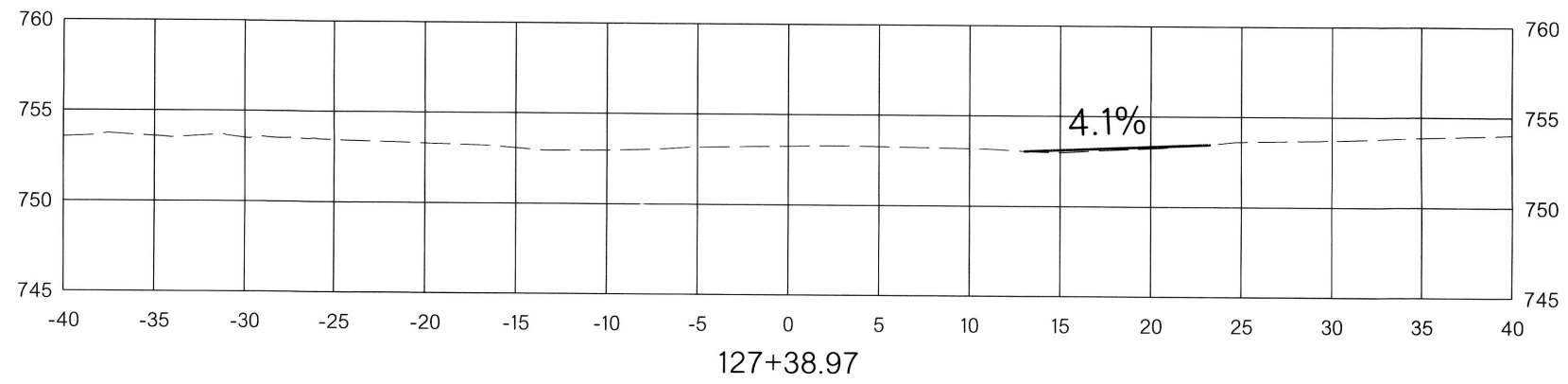
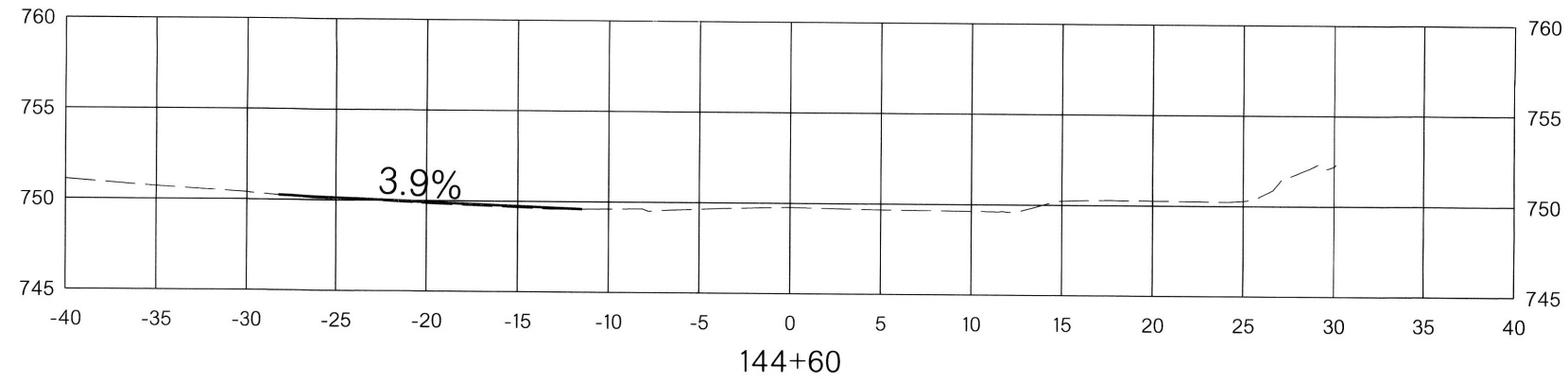
VERTICAL SCALE IN FEET

REVISION	BY	DATE	PLAN SCALE:	DRAWN	BNL KC	2/2021	APPROVED:
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				SURVEY	MW	11/2020	
			PROFILE SCALE:	PROJ. MGR.	JTS	6/15	
				LEAD ENGR.	CW	6/25	
			HORIZONTAL:	FIELD MGR.	BM	7/25	
			1" = 20'				
			VERTICAL:	RECOMMENDED			
			1" = 5'	DESIGN MANAGER			
			FILE: H\303914	DRAWING: 303914-Waterline PWP(5)		DATE: 7/23/2025	
			ATLAS PAGE NO: 10 & 11				SHEET 51 OF 56 SHEETS











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