

GENERAL NOTES

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

CURRENT CITY OF TULSA STANDARD SPECIFICATIONS, GENERAL PROVISIONS, AND STANDARD DETAILS GOVERN. ALL OTHER CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE OKLAHOMA D.O.T. 2019 STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. *As Adopted by City of Tulsa.*

ENTIRE PROJECT IS WITHIN CORPORATE LIMITS OF CITY OF TULSA.

CONSTRUCTION PLANS FOR NON-ARTERIAL STREET REHABILITATION ZONE 1007 ADMIRAL PL. FROM QUINCY AVE. TO UTICA AVE. WATERLINE REPLACEMENT TMUA-W 20-08 PROJECT NO. 2036N1007Z TMUA-W 20-08

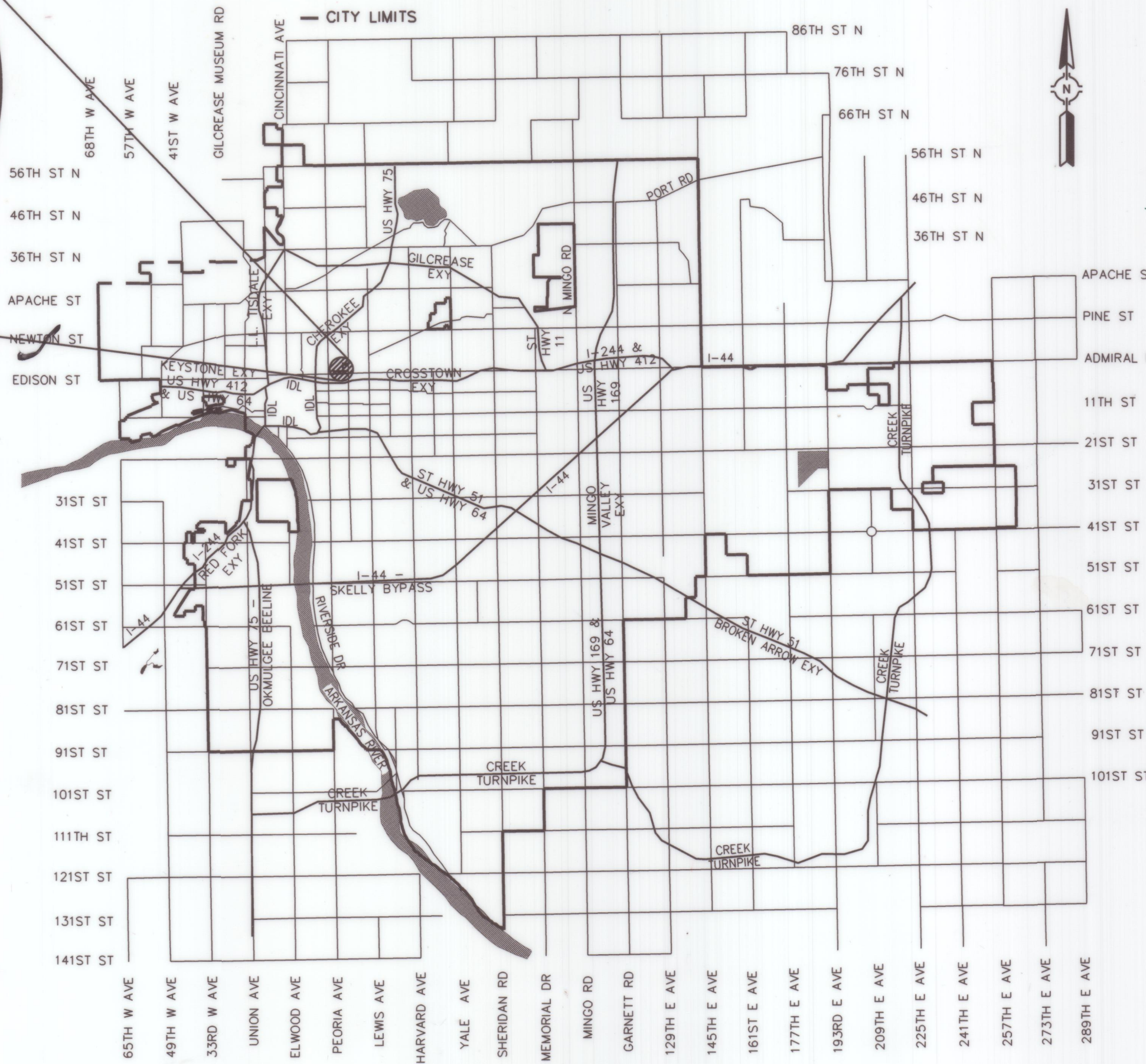
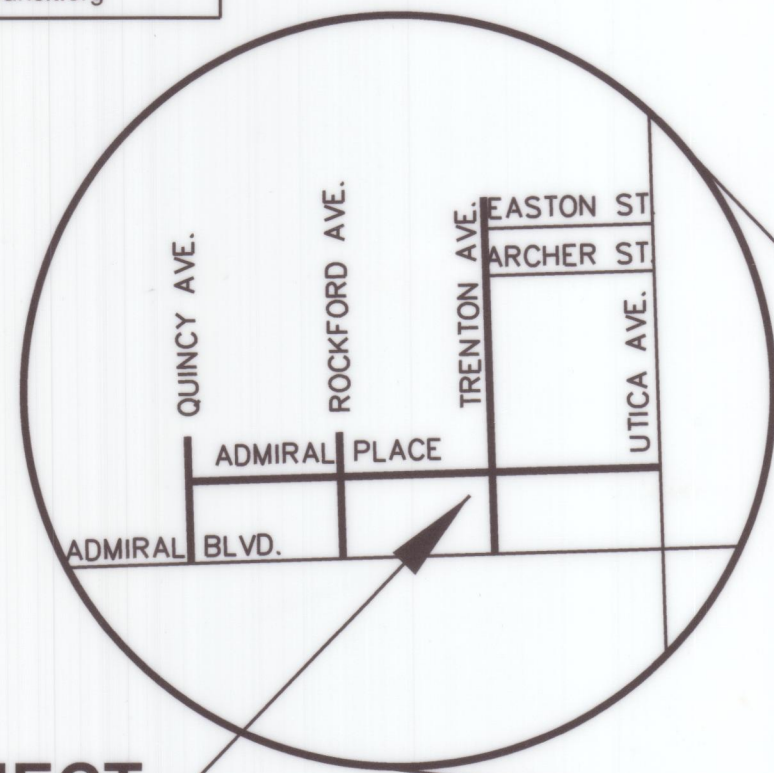
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29	WATERLINE "A" PLAN & PROFILE

UTILITY COORDINATION BOX

	NUMBER	NOTIFIED
AT&T	ALFRED NICHOLS	918.444.1069 an9488@aatt.com
COX COMMUNICATIONS	JASON HOLT	918.830.7238
ONG	CODY YOST	918.352.5745
AEP/PSO	LONNY HICKS	918.250.6211
CITY OF TULSA UTILITY COORDINATOR	TONY GLYNN	918.596.9245 tglynn@cityoftulsa.org
METROLINK TULSA	ERIC SMITH	918.830.0024 info@tulsatransit.org

PUBLIC WORKS DEPARTMENT
CITY OF TULSA, OKLAHOMA

PROJECT LOCATION



DATUM INFORMATION

HORIZONTAL DATUM
OKLAHOMA STATE PLANE (NORTH ZONE) - NAD 1983 (1993)

VERTICAL DATUM
NAVD 1988

ADS 62 RESET
3" BRASS CAP- SET IN CONCRETE- FLUSH-STAMPED "62 RESET", SET ON THE WEST SIDE OF UTICA AVE, AND NORTH OF I-244 APPROX. 0.25 MILE.
N = 429170.415
E = 2568517.268
ELEV. = 751.597

2016-21
REBAR- 3" ALUMINUM CAP- FLUSH, STAMPED 2016-21, SET IN CONCRETE POST 36" IN GROUND
N = 429269.088
E = 2564688.182
ELEV. = 727.928

Symbol Legend

	CABLE / TV / DATA BOX		DECIDUOUS TREE (ALL TYPES)
	ELECTRIC METER		CONIFEROUS TREE (ALL TYPES)
	ELECTRIC BOX		FENCE LINE (ALL TYPES)
	ELECTRIC TRANSFORMER		STORM SEWER
	FIRE HYDRANT		SANITARY SEWER
	FLAGPOLE		WATERLINE
	GAS METER		OVERHEAD ELECTRIC
	GAS VALVE		OVERHEAD TELEPHONE
	GUY ANCHOR		NATURAL GAS LINE
	IRRIGATION CONTROL VALVE		UNDERGROUND TELEPHONE
	LIGHT POLE		UNDERGROUND ELECTRIC
	MAILBOX		UNDERGROUND CABLE
	POWER POLE		EXISTING MINOR CONTOUR
	TRAFFIC SIGN		EXISTING MAJOR CONTOUR
	SANITARY SEWER CLEANOUT		BORE LOCATION
	SANITARY SEWER MANHOLE		SITE BENCHMARK
	STORM WATER MANHOLE		
	SPRINKLER HEAD		
	TELEPHONE PEDESTAL		
	WATER METER		
	WATER VALVE		

DESIGN DATA
PER CITY OF TULSA STANDARD 726
A. DESIGN LIFE: 25 YEARS.
B. DESIGN SPEED: 25 MPH

RECONSTRUCTION/REHABILITATION
LENGTH: 1.62 LANE MILES

City of Tulsa Standards

102	PROJECT SIGN
306	TRENCH DETAIL CONSTRUCTION ADJACENT TO ROADWAY
312	STANDARD DETAIL FRAME AND LID FOR WATER VAULTS
313	VALVE BOX
315	STANDARD DETAIL THRUST BLOCKS AND TRENCH CONDITIONS
331	STANDARD DETAILS FOR 6'-8" SANITARY SEWER MANHOLES
353	STANDARD DETAIL FRAME AND LID FOR 4' I.D. SANITARY MANHOLE
358	STANDARD DETAIL PRE-CAST SANITARY SEWER MANHOLES
401	MANHOLE GRADE ADJUSTMENT
401A	CONCRETE COLLAR FOR PARTIAL MANHOLE REPLACEMENT
402	COVER, FRAME, AND FRAME SEAL
608A	STREET NAME SIGNS
608B	TRAFFIC SIGNS
625	REMOVAL OF TRAFFIC SIGNS
701	RESIDENTIAL CONCRETE DRIVEWAY CONCRETE STREET
702	RESIDENTIAL CONCRETE DRIVEWAY ASPHALT STREET
713	PAVEMENT REMOVAL AND REPLACEMENT
714	PAVEMENT CUTS
725	STANDARD PAVEMENT PATCH AND REPAIR
726	ASPHALT PAVEMENT STANDARD DETAILS FOR RESIDENTIAL AND COLLECTOR STREETS
727	CONCRETE PAVEMENT STANDARD DETAILS FOR RESIDENTIAL AND COLLECTOR STREETS
729	CONCRETE PAVEMENT STANDARD DETAILS FOR RESIDENTIAL AND COLLECTOR STREETS (2 OF 2)
730	STANDARD ASPHALT PAVEMENT CUT AND REPAIR
731	STANDARD CONCRETE PAVEMENT CUT AND REPAIR
733	STANDARD PAVEMENT REHABILITATION FOR UTILITY CONSTRUCTION
751	PIPE BEDDING DETAIL FOR STORM SEWER
761	STANDARD INLETS AND GRATES W/ACCESS MANHOLE BACK OF CURB
762	PRECAST STANDARD INLETS AND GRATES W/ACCESS MANHOLE BACK OF CURB
763	STANDARD MASONRY STORMWATER INLETS (FOR REHAB AND REFERENCE ONLY)
764	STANDARD REINFORCED CONCRETE STORMWATER INLETS
765	STANDARD STORMWATER FRAMES
766	STANDARD STORMWATER GRATES
767	STANDARD CAST IRON CURB
790	STANDARD SIDEWALK RAMP

ODOT Standards

SSS-2-	SOLID SLAB SODDING
PSE-2-	PAVEMENT SAFETY EDGE
TCS(1-20)-1-	STANDARD TRAFFIC CONTROL SHEETS
TWD-1-1	TACTILE WARNING DEVICES
PM1-1-3	PAVEMENT MARKING (CROSSWALK AND LEFT TURN BAY)
LECS-5-2	JOINTS AND SEALERS - LONGITUDINAL, EXPANSION / ISOLATION, & CONTRACTION

APPROVED: T. Ober 11/8/2025
CITY ENGINEER DATE

APPROVED: [Signature] 1-9-2025
WATER & SEWER DIRECTOR DATE

ADVERTISEMENT DATE: _____

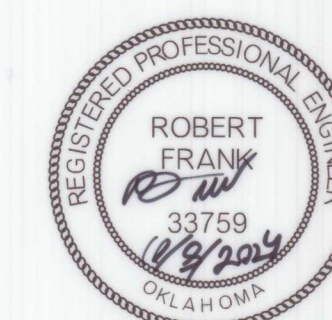
APPROVED: RO FRANK 10/6/2024
ENGINEER: Robert Frank, P.E. OK PE NO. 33759 DATE

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

PAY QUANTITIES					
ROADWAY: 2036N1007Z					
ITEM NO.	SPEC NO.	DESCRIPTION	PAY NOTES	UNITS	QUANTITY
1	202(A)	UNCLASSIFIED EXCAVATION	(E-3, 4) (R-1)	CY	393
2	220	SWPPP DOCUMENTATION AND MANAGEMENT	(E-6, 7, 8, 9)	LSUM	1
3	230(A)	SOLID SLAB SOD	(E-10, 11)	SY	73
4	303(A)	AGGREGATE BASE TYPE A	(S-1, 2)	CY	533
5	310(B)	SUBGRADE METHOD B		SY	899
6	325	SEPARATOR FABRIC	(S-3)	SY	1678
7	409	FABRIC REINFORCEMENT (MERIFI)	(S-4)	SY	10516
8	411(C)	SUPERPAVE, TYPE S4 (PG 64-22 OK) (INSOLUBLE)	(S-5, 6, 7, 8, 23)	TON	1237
9	411(D)	SUPERPAVE, TYPE S6 (PG 64-22 OK)	(S-5, 6, 7, 8, 23) (G-1)	TON	155
10	412	COLD MILL PAVEMENT	(S-9, 22)	SY	10516
11	415	CONCRETE JOINT SEALING		LF	3315
12	609(B)	COMBINED CURB AND GUTTER (6" BARRIER)	(S-12, 13, 15, 16)	LF	650
13	610(A)	CONCRETE SIDEWALK (4")	(S-12, 13, 16, 17)	SY	1674
14	610(B)	CONCRETE DRIVEWAY (6" H.E.S)	(S-12, 13, 16, 17)	SY	1021
15	610(I)	TACTILE WARNING DEVICE - NEW		SF	180
16	611(G)	INLET, CICI DESIGN 2, COMPLETE IN PLACE	(D-2, 3, 7, 8, 9, 10, 11)	EA	8
17	611(H)	ADDITIONAL DEPTH IN INLET, CICI DESIGN 2	(D-10)	VF	1
18	612(A)	MANHOLE ADJUSTED TO GRADE	(S-12) (R-2) (D-1, 2, 6)	EA	17
19	612(E)	VALVE BOXES ADJUSTED TO GRADE	(S-12) (R-2) (D-6)	EA	2
20	613(A)	12" REINFORCED CONCRETE PIPE (RCP), COMPLETE IN PLACE	(D-8, 12, 13)	LF	6
21	613(A)	15" REINFORCED CONCRETE PIPE (RCP), COMPLETE IN PLACE	(D-8, 12, 13)	LF	6
22	613(A)	18" REINFORCED CONCRETE PIPE (RCP), COMPLETE IN PLACE	(D-8, 12, 13)	LF	6
23	619(B)	REMOVAL OF SIDEWALK	(R-1, 2, 5, 6)	SY	1674
24	619(B)	REMOVAL OF CURB RAMP	(R-1, 2, 5, 6)	EA	4
25	619(B)	REMOVAL OF DRIVEWAY	(R-1, 2, 5, 6)	SY	971
26	619(B)	REMOVAL OF CURB	(R-1, 2, 5, 6)	LF	650
27	641	MOBILIZATION	(G-2)	LSUM	1
28	642	CONSTRUCTION STAKING LEVEL II	(G-3, 4)	EA	1
29	850(A)	SHEET ALUMINUM SIGN		SF	128
30	COT608(C)	1-1/2" SQUARE TUBE POST		LF	8
31	COT608(D)	1-3/4" SQUARE TUBE POST		LF	188
32	COT608(E)	2" SQUARE TUBE POST		LF	54
33	855(A)	TRAFFIC STRIPE (THERMOPLASTIC) (4" WIDE)	(T-3)	LF	243
34	855(A)	TRAFFIC STRIPE (THERMOPLASTIC) (24" WIDE)	(T-3)	LF	431
35	880(B)	SIGNS 0.00 TO 6.25 SF	(T-2, 4, 5)	SD	2160
36	880(B)	SIGNS 6.26 SF TO 15.99 SF	(T-2, 4, 5)	SD	1440
37	880(C)	BARRICADES (TYPE III)	(T-2, 4, 5)	SD	720
38	880(E)	TYPE "A" WARNING LIGHT	(T-5)	SD	1440
39	880(E)	TYPE "C" WARNING LIGHT	(T-5)	SD	9000
40	880(G)	TUBE CHANNELIZERS	(T-2, 4)	SD	9000
41	SPECIAL	PROJECT SIGN (CITY OF TULSA)	(T-7)	EA	1
42	SPECIAL	TYPE I APC PATCH NON-ARTERIAL	(S-21) (G-1)	CY	132
43	SPECIAL	CURB RAMP		EA	18
44	SPECIAL	URBAN RIGHT-OF-WAY RESTORATION	(G-5, 6, 7, 8, 9, 10)	EA	1
45	SPECIAL	OWNER ALLOWANCE		EA	10000
46	SPECIAL	SIGNAGE FOR LOCAL BUSINESS ACCESS (BAS-1)	(T-4)	SD	240
47	COT 334	CONSTRUCTION AS-BUILT		EA	1
48	COT 335	CONTRACTOR'S QUALITY CONTROL		LSUM	1
49	SPECIAL	TYPE I PCC PATCH NON-ARTERIAL	(S-21) (G-1)	CY	40

ITEMS LISTED OR SHOWN ON THE 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, AN ALL OTHER REQUIRED ITEMS TO COMPLETE THE WORK AS SHOWN ON PLANS AND SPECIFICATIONS.

PAY QUANTITIES					
WATERLINE: TMJA-W 20-08					
ITEM NO.	SPEC NO.	DESCRIPTION	PAY NOTES	UNITS	QUANTITY
50	COT 301	RIGHT-OF-WAY CLEARING AND RESTORING, COMPLETE IN PLACE	4, 5, 6, 7, 22	SY	534
51	COT 302	EXCAVATION AND BACKFILL, UNCLASSIFIED	14	CY	400
52	303(A)	AGGREGATE BASE		CY	6
53	COT 303	MOBILIZATION		EA	1
54	COT 304	CONSTRUCTION STAKING		EA	1
55	COT 307	6 INCH DIP, CL51 POLYETHYLENE WRAPPED (RJ)	1, 2, 3, 8, 9, 11, 27	LF	216
56	COT 307	6 INCH X 6 INCH DUCTILE IRON TEE (RJ)	2, 8	EA	1
57	COT 312	6 INCH DUCTILE IRON SLEEVE (RJ)	2, 8, 12	EA	2
58	COT 312	6 INCH DUCTILE IRON 45 DEGREE BEND (RJ)	2, 8, 12	EA	4
59	COT 312	6 INCH DUCTILE IRON PLUG W/ 2 INCH TAP (RJ)	2, 8	EA	1
60	COT 315	2 INCH WATER SERVICE CONNECTION (LONG)	15, 16	EA	1
61	COT 315	2 INCH WATER METER CAN, LID & RIM		EA	1
62	COT 317	6 INCH GATE VALVE (RJ)		EA	1
63	COT 317	3-WAY FIRE HYDRANT, IN PLACE	31	EA	1
64	COT 329	PAVEMENT, REMOVAL AND REPLACEMENT (ASPHALT)		SY	165
65	COT 333	WATERLINE ABANDONMENT		EA	1
66	609(B)	COMBINED CURB & GUTTER (6" BARRIER)		LF	50
67	610(A)	CONCRETE SIDEWALK (4")		SY	9
68	610(B)	CONCRETE DRIVEWAY (H.E.S)		SY	32
69	612(A)	MANHOLE ADJUSTED TO GRADE		EA	1
70	619(B)	REMOVAL OF SIDEWALK		SY	32
71	COT 334	CONSTRUCTION AS-BUILT		EA	1
72	COT 335	CONTRACTOR'S QUALITY CONTROL		LSUM	1
73	SPECIAL	OWNER ALLOWANCE		EA	5000



PAY QUANTITIES	
MAINTENANCE ZONE 1007 PROJECT NO. 2036N1007Z	
CITY OF TULSA, OKLAHOMA PUBLIC WORKS	
PLANS PREPARED BY: CITY OF TULSA	
REVISION	BY DATE
PLAN SCALE	DRAWN
1"=20'	DESIGNED
PROFILE SCALE	FIELD SURVEY
HORIZONTAL	PROJECT MGR.
1"=20'	LEAD ENGR. <i>RF</i> 11/24
VERTICAL	FIELD MGR. <i>RF</i> 10/24
1"=5'	RECOMMENDED: <i>HAS</i> 12-11-24
FILE:	DESIGN MANAGER
DRAWING:	CITY ENGINEER <i>TJ</i>
ATLAS PAGE NO: 4, 15	DATE 1/8/2025
	SHEET 2 OF 29 SHEETS

GENERAL CONSTRUCTION NOTES
(VERSION 9/12/2016)

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE 2019 OKLAHOMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND THE CURRENT CITY OF TULSA ENGINEERING SERVICES DEPARTMENT'S STANDARD SPECIFICATIONS AND STANDARD DETAILS AND STANDARD DRAWINGS AND CITY OF TULSA SPECIAL PROVISIONS.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

21. IF THE CONTRACTOR ENCOUNTERS VOIDS WHEN PATCHING STREETS, THE CONTRACTOR SHALL CALL FIELD ENGINEERING AT 918-596-7814 FOR AN INSPECTION BEFORE PROCEEDING WITH WORK.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

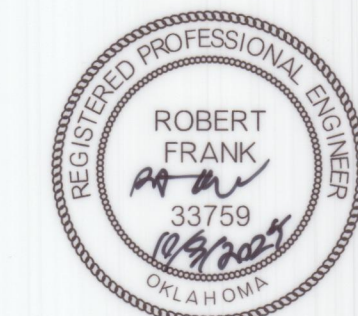
39. PRIOR TO FINAL ACCEPTANCE, ALL EXPOSED CURB SURFACES SHALL BE CLEANED OF ALL DISCOLORATION SUCH AS ASPHALT STAIN, TIRE MARKS, OR OTHER DISFIGUREMENT.

40. ALL FEATURES OF THIS PROJECT INCLUDING, BUT NOT LIMITED TO, SIDEWALKS, CURB RAMPS, AND CROSSWALKS SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT, ACCESSIBILITY GUIDELINES, AND THE PROPOSED ACCESSIBILITY GUIDELINES FOR PEDESTRIAN FACILITIES IN THE PUBLIC RIGHT-OF-WAY, PUBLISHED ON JULY 26, 2011 BY THE U.S. ACCESS BOARD. WHERE SPATIAL LIMITATIONS OR EXISTING FEATURES WITHIN THE LIMITS OF THE PROJECT PREVENT FULL COMPLIANCE WITH THIS ACT, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER UPON DISCOVERY OF SUCH FEATURES. THE CONTRACTOR SHALL NOT PROCEED WITH ANY ASPECT OF THE WORK, WHICH IS NOT IN FULL COMPLIANCE WITH THE ADA WITHOUT PRIOR WRITTEN APPROVAL FROM THE ENGINEER. ANY WORK, WHICH IS NOT PERFORMED WITHIN THE GUIDELINES OF THE ADA, FOR WHICH THE CONTRACTOR DOES NOT HAVE WRITTEN APPROVAL, SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.

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

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

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



GENERAL NOTES
 MAINTENANCE ZONE 1007
 PROJECT NO. 2036N1007Z
 CITY OF TULSA, OKLAHOMA
 PUBLIC WORKS
 PLANS PREPARED BY:
 CITY OF TULSA

REVISION	BY	DATE	PLAN SCALE	DRAWN	APPROVED:
			1"=20'	DESIGNED	
				FIELD SURVEY	
			PROFILE SCALE	PROJECT MGR.	
			HORIZONTAL	LEAD ENGR. 11/24/24	
			1"=20'	FIELD MGR. 10/21/24	
			VERTICAL	RECOMMENDED: HAS 12.11.24	
			1"=5'	DESIGN MANAGER	CITY ENGINEER
			FILE:	DRAWING:	DATE 1/8/2025
			ATLAS PAGE NO:	4, 15	SHEET 3 OF 29 SHEETS

PAY ITEM NOTES

VERSION: 11/14/2018

EARTHWORK / EROSION CONTROL / SITE PREPARATION (E1 - E11)

- 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 FOLLOWS:
 - A) AROUND INLETS TO PREVENT INFLOW OF ERODED MATERIAL INTO STORM SEWER SYSTEM;
 - B) IN LOCATIONS THROUGHOUT PROJECT SITE, AS DETERMINED BY THE ENGINEER, TO PREVENT WASH OF ERODED MATERIAL ONTO ADJACENT PROPERTY;
 - C) FOR ENTIRE DURATION OF PROJECT, WITH MAINTENANCE AND REPLACEMENTS, AS DIRECTED BY THE ENGINEER;
 - D) WITH PERIODIC REMOVAL OF SEDIMENT IN ACCORDANCE WITH STORMWATER MANAGEMENT PLAN.
- E-8 ALL COST FOR ITEMS A-D ABOVE SHALL BE INCLUDED IN UNIT PRICE BID FOR THIS ITEM.
- E-9 PRICE BID SHALL INCLUDE MAINTENANCE, SEDIMENT REMOVAL, DISPOSAL, AND REMOVAL OF FILTERS AT PROJECT COMPLETION.
- E-10 INCLUDES 22 TYPE 1 FILTERS.
- E-11 ESTIMATED QUANTITY IS BASED ON SODDING OF ALL DISTURBED AREAS OUTSIDE THE FINAL PAVING LIMITS AND WITHIN THE FINAL GRADING LIMITS AS INDICATED BY THE TOP-OF-CUT/TOE-OF-SLOPE LINE ON THE PLANS (EXCLUDING SURFACES OF STRUCTURES, FIXTURES AND APPURTENANCES). SOD SHALL BE OF LIKE-KIND TO EXISTING SOD. PRICE BID INCLUDES PLACEMENT AND COMPACTION OF SUITABLE BACKFILL. ANY EXISTING GRASSED AREAS BEYOND THE ABOVE STATED LIMITS THAT ARE DAMAGED AS A RESULT OF CONSTRUCTION OPERATIONS SHALL BE RESODDED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S SOLE EXPENSE.
- E-11 COST OF WATERING AND FERTILIZING SHALL BE INCLUDED. FERTILIZERS SHALL BE 10-20-10 AND SHALL BE APPLIED AT THE RATE OF 1.5 LBS PER 10 SQ YDS. FERTILIZER SHALL BE APPLIED PER SECTION 230.04H OF ODOT STANDARD SPECIFICATIONS. WATERING SHALL BE APPLIED AS NECESSARY UNTIL VEGETATION IS ESTABLISHED OR UNTIL THE WORK IS ACCEPTED AS COMPLETE.

REMOVAL / ADJUSTMENT (R1 - R6)

- R-1 WASTE MATERIAL TO BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE IN A MANNER APPROVED BY THE ENGINEER.
- R-2 ALL SAW CUTTING AND REMOVAL SHALL BE INCLUDED IN THE COST OF THE ITEM TO BE ADJUSTED, REMOVED, REPAIRED, OR REPLACED.
- R-3 NOT USED.
- R-4 NOT USED.
- R-5 ITEMS TO BE REMOVED MAY OR MAY NOT BE PRESENT IN ANY SPECIFIED CONDITION.
- R-6 SHALL INCLUDE ALL COSTS ASSOCIATED WITH PLUGGING/ PATCHING HOLES IN EXISTING STRUCTURES TO REMAIN.
- R-10 NOT USED.

GENERAL (G1 - G10)

- G-1 LOCATIONS TO BE DETERMINED IN THE FIELD AND WORK TO BE PERFORMED AT THE DIRECTION OF THE FIELD ENGINEER. QUANTITY IS ESTIMATED AND MAY BE OMITTED IN ITS ENTIRETY.
- G-2 MAXIMUM OVERALL DOLLAR AMOUNT AND SCHEDULE OF PAYMENTS SHALL BE IN ACCORDANCE SECTION 641 OF THE OKLAHOMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, CURRENT EDITION. EXCLUDES MOBILIZATION FOR WATERLINE WORK.
- G-3 CONSTRUCTION STAKING SHALL INCLUDE SURVEYING AND THE FURNISHING, PLACING, AND MAINTAINING OF THE CONSTRUCTION LAYOUT STAKES NECESSARY FOR THE PROPER COMPLETION AND INSPECTION OF THE ENTIRE PROJECT.
- G-4 THE COST TO REPLACE REMOVED OR DAMAGED SECTION CORNERS AND ALL OTHER PERMANENT RIGHT OF WAY MARKERS SHALL BE INCLUDED IN THE PRICE BID FOR THIS ITEM. NO ADDITIONAL PAYMENT WILL BE MADE.
- G-5 CONTRACTOR SHALL REPAIR ANY IRRIGATION SYSTEMS DAMAGED OR REQUIRING RELOCATION DURING THE CONSTRUCTION OF THIS PROJECT TO THE SATISFACTION OF THE PROPERTY OWNER AND CITY ARBORIST. COST SHALL BE INCLUDED IN THE PRICE BID.
- G-6 ALL HOUSE NUMBERS SHALL BE REPLACED/ REESTABLISHED THROUGHOUT PROJECT LIMITS. COST TO BE INCLUDED IN URBAN RIGHT OF WAY RESTORATION. CONTRACTOR SHALL REESTABLISH DRAINS, ROOF DRAINS AND OTHER DRAINAGE THROUGH THE CURBS IN ACCORDANCE WITH CITY OF TULSA STANDARD 758. NO NEW CURB OUTLETS SHALL BE CONSTRUCTED WITHOUT APPROVAL OF THE ENGINEER.
- G-7 AN INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA) CERTIFIED ARBORIST SHALL OVERSEE ALL PLANTINGS AND/OR REMOVAL OF TREES. CONTACT CITY ARBORIST TO ACCEPT FINAL PLANTINGS. CONTACT #: 918-596-2548.
- G-8 TREE GRATES ARE NOT ACCEPTABLE PER CITY ARBORIST. CONCRETE PAVERS ARE TO BE USED AS NECESSARY AROUND TREES.
- G-9 CONTRACTOR SHALL COORDINATE WITH HOMEOWNERS TO RESET ALL PAVERS, LANDSCAPE STONE, PRIVATE SIDEWALKS AND FENCES THAT ARE DISTURBED DURING CONSTRUCTION OPERATIONS. ALL MATERIALS, LABOR, AND EQUIPMENT REQUIRED FOR RESETTING OF SUCH ITEMS IS TO BE INCLUDED IN PRICE BID FOR URBAN RIGHT OF WAY RESTORATION.
- G-10 PAY ITEM INCLUDES ALL MOWING WITHIN THE RIGHT-OF-WAY AS DIRECTED DURING CONSTRUCTION.

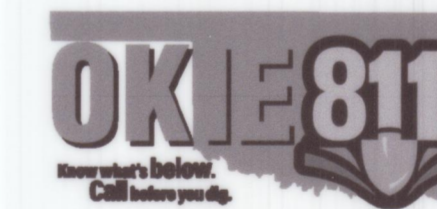
SURFACING / STRUCTURES (S1 - S23)

- 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 IS INDICATED ON THE PLANS MAY BE USED, BUT AT NO ADDITIONAL COST TO THE CITY.
- 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
- S-22 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-23 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.

NOTE S8 TABLE			
BINDER ² GRADE	MESALS	ADT ¹	NOTES
PG 64-22 OK	< 3	< 5,000	USE WHEN MORE THAN 4-6 INCHES BELOW THE SURFACE. ALSO USE FOR SHOULDERS, DRIVEWAYS, BELOW PCC, AND TEMPORARY CONSTRUCTION.
PG 70-28 OK	< 10	< 10,000	USE ONLY IN THE TOP 4-6 INCHES FOR DRIVING LANES.
PG 76-28 OK	>= 10	>= 10,000	USE ONLY IN THE TOP 4-6 INCHES FOR DRIVING LANES.
PG 76-28 E	—	—	CONTACT ODOT MATERIALS DIVISION FOR RECOMMENDED USE.

¹ USE ADT ONLY WHEN ESAL COMPUTATIONAL DATA IS NOT AVAILABLE. CALCULATE

² PG 70-28 OK OR PG 76-28 OK MAY BE DESIRABLE IN HIGH VOLUME AREAS WHERE SLOW, STANDING, OR TURNING TRAFFIC OCCURS, SUCH AS URBAN INTERSECTIONS OR OFF-RAMPS. OFF RAMPS SHOULD AT LEAST USE THE SAME BINDER AS THE MAINLINE.



PAY ITEM NOTES (1 OF 3)	
MAINTENANCE ZONE 1007 PROJECT NO. 2036N1007Z	
CITY OF TULSA, OKLAHOMA PUBLIC WORKS	
PLANS PREPARED BY: CITY OF TULSA	

REVISION	BY	DATE	PLAN SCALE	DRAWN	APPROVED:
			1"=20'	DESIGNED FIELD SURVEY	 CITY ENGINEER
			PROFILE SCALE	PROJECT MGR.	
			HORIZONTAL	LEAD ENGR. <i>RF</i> 11/24	
			VERTICAL	FIELD MGR. <i>RF</i> 11/24	
			1"=5'	RECOMMENDED DESIGN MANAGER <i>RF</i> 12-11-24	
FILE: DRAWING:				DATE: 11/8/2025	
ATLAS PAGE NO: 4, 15				SHEET 4 OF 29 SHEETS	

PAY ITEM NOTES (CONTINUED)

VERSION: 11/14/2018

DRAINAGE (D1 - D15)

- D-1 NOT USED.
- D-2 THE TOTAL COST FOR RUBBERIZED ASPHALT AND/OR SILICONE AT MANHOLES, VALVE BOXES, INLETS, AND INLET APRONS, SHALL BE INCLUDED.
- D-3 NO MASONRY STRUCTURES SHALL BE CONSTRUCTED WITHIN THE RIGHT OF WAY.
- D-4 NOT USED.
- D-5 NOT USED.
- D-6 ALL SANITARY AND STORM SEWER MANHOLE CASTINGS AND LIDS THAT ARE LOCATED IN THE STREET AND ARE DISTURBED BY THE CONTRACTOR SHALL BE REPLACED WITH NEW LIDS AND CASTINGS AND THE OLD ONES SHALL BE SALVAGED AND DELIVERED TO THE METAL RECYCLE BINS IN THE STOCKROOM AREA AT SEWER OPERATIONS AND MAINTENANCE, 9319 E. 42ND STREET NORTH, BETWEEN THE HOURS OF 7:30 AM AND 3:00 PM MONDAY THROUGH FRIDAY.
- D-7 INCLUDES THE COST REQUIRED TO MAKE CONNECTION AND REMOVAL OF EXISTING INLETS. THE COST OF PC CONCRETE CURB AND GUTTER THROUGH THE INLET, 5' EACH SIDE OF THE INLET, AND THE PC CONCRETE INLET APRON SHALL BE INCLUDED. GRATE AND FLOWLINE ELEVATIONS SHALL MATCH EXISTING CONDITIONS UNLESS OTHERWISE NOTED IN THE PLANS.
- D-8 QUICKSET FLOWABLE FILL SHALL BE USED TO BACKFILL AROUND STREET CURB INLETS AND REINFORCED CONCRETE PIPE, AS NEEDED, AT THE DIRECTION OF THE ENGINEER.
- D-9 ALL INLETS, COMPLETE IN PLACE, SHALL BE CAST IN PLACE CONCRETE OR PRECAST CONCRETE. THIS PAY ITEM INCLUDES ANY INLET FRAME(S), GRATE(S), HOOD(S) AND CONCRETE REQUIRED FOR COMPLETE INSTALLATION OF STRUCTURE PER THE CONSTRUCTION DOCUMENTS.
- D-10 ADDITIONAL DEPTH QUANTITIES SHALL BE MEASURED AND PAID FOR ALL INLETS EXCEEDING STANDARD DEPTH. STANDARD DEPTHS ARE AS FOLLOWS:
 A) CAST IRON CURB INLET: 3.71 VF, MEASURED FROM CENTER ELEVATION OF LOWEST CAST IRON CURB TO FLOWLINE OF OUTLET PIPE.
 B) RECESSED CURB INLET: 3.00 VF, MEASURED FROM TOP OF SLAB TO FLOWLINE OF OUTLET PIPE.
 C) STANDARD DROP INLET: SEE STANDARD DETAILS 770, 771, 772 AND 773 - VARIES BASED ON PIPE SIZE, MEASURED FROM LOWEST ELEVATION OF INFLOW APRON TO FLOWLINE OF OUTLET PIPE.
- D-11 CAST IRON CURB INLET CONFIGURATION NAMING CONVENTION PROVIDED IN COT STANDARD NO. 755. SEPARATE DETAILS SHALL BE REFERENCED OR PROVIDED IN THE PLANS FOR NON-CITY-STANDARD INLETS.

 STANDARD NAMING: CICI DES G(T) [W/AMH]

 G: NUMBER OF GRATES.

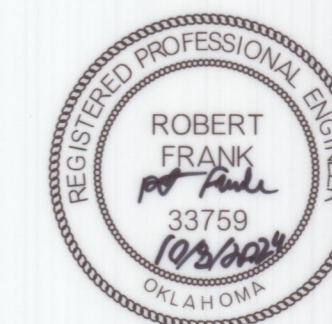
 T: LETTER(S) CORRESPONDING TO ARRANGEMENT OF CAST IRON HOODS TO BE INSTALLED UPSTREAM OF GRATES.

 W/AMH: IF SHOWN, INLET TO BE CONSTRUCTED WITH ATTACHED ACCESS MANHOLE.
- D-12 REINFORCED CONCRETE PIPE TO BE CLASS III. ALL REINFORCED CONCRETE PIPE AND MANHOLES TO BE SUPPLIED WITH AN OMNI-FLEX JOINT GASKET OR APPROVED EQUAL. MASTIC JOINT SEALANT SHALL NOT BE ALLOWED.
- D-13 THIS PAY ITEM SHALL BE COMPLETE IN PLACE AND SHALL INCLUDE ALL PIPE, STANDARD BEDDING MATERIAL AND TRENCH EXCAVATION, JOINT GASKETS AND ALL OTHER INCIDENTALS. NO ADDITIONAL COST WILL BE MADE. PRIOR TO ACCEPTANCE, CONTRACTOR SHALL COORDINATE WITH ENGINEER FOR INSPECTION OF INTERIOR OF PIPE BY CITY OF TULSA PERSONNEL FOR DEFECTS USING SELF-PROPELLED MOBILE CLOSED-CIRCUIT CAMERA SYSTEM.
- D-14 NOT USED.
- D-15 NOT USED.
- D-16 NOT USED.

TRAFFIC (T1 - T7)

- T-1 NOT USED.
- T-2 REFLECTORIZED SHEETING ON SIGNS AND BARRICADES SHALL BE OF A CUBIC PRISMATIC TYPE AND SHALL MEET THE SPECIFICATIONS ESTABLISHED FOR ASTM D 4956-01 TYPE IX RETROREFLECTIVE SHEETING. REFLECTORIZED SHEETING ON DRUMS AND TUBE CHANNELIZERS SHALL BE OF A HIGH-INTENSITY TYPE AND SHALL MEET THE SPECIFICATIONS ESTABLISHED FOR ASTM D 4956-01 TYPE III RETROREFLECTIVE SHEETING.
- T-3 ALL PLASTIC PAVEMENT MARKINGS SHALL BE:

 EXTRUDED-APPLIED THERMOPLASTIC (USE ON ASPHALT PAVEMENT). THERMOPLASTIC PAVEMENT MARKINGS SHALL ONLY BE APPLIED WHEN THE SURFACE TEMPERATURE EXCEEDS 55°F FOR ALL OF THE SIX HOURS PRIOR TO INSTALLATION AND MAXIMUM WIND GUSTS ARE BELOW 15 MPH AT THE TIME OF APPLICATION. PRICE BID TO INCLUDE FLEX TABS OR LIKE KIND FOR POST CONSTRUCTION LANE MARKING/SEPARATION. MECHANICALLY APPLIED PREFORMED PLASTIC TAPE ("COLD TAPE") WILL NOT BE ACCEPTED.
- T-4 PAYMENT SHALL BE MADE ON A SIGN-DAY BASIS ONLY FOR TRAFFIC CONTROL DEVICES THAT ARE PROPERLY INSTALLED AND IN GOOD WORKING ORDER. COSTS FOR DELIVERY, INSTALLATION, RELOCATION, MAINTENANCE REMOVAL AND REPLACEMENT, AS NEEDED AT THE DISCRETION OF THE ENGINEER, INCLUDED IN UNIT PRICE BID.
- T-5 IF WARNING LIGHTS ARE TO BE USED ON TRAFFIC CONTROL DEVICES, TYPE "A" LIGHTS SHALL ONLY BE USED ON DEVICES WARNING OF UNEXPECTED HAZARDS, AND SHALL NOT BE USED FOR DELINEATION OF THE TRAVELED WAY. ONLY TYPE "C" WARNING LIGHTS SHALL BE USED FOR DELINEATION OF THE TRAVELED WAY, AND TYPE "C" LIGHTS SHALL NOT BE USED FOR ANY OTHER PURPOSE.
- T-6 NOT USED.
- T-7 PRICE BID FOR THIS ITEM INCLUDES INSTALLATION, MAINTENANCE AND SUBSEQUENT REMOVAL OF PROJECT SIGN.



PAY ITEM NOTES (2 OF 3)
 MAINTENANCE ZONE 1007
 PROJECT NO. 2036N1007Z
 CITY OF TULSA, OKLAHOMA
 PUBLIC WORKS
 PLANS PREPARED BY:
 CITY OF TULSA

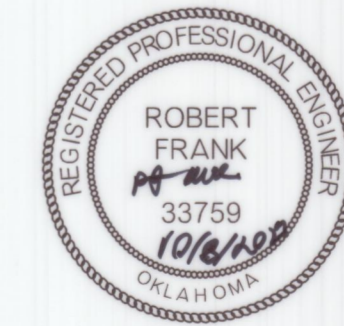
REVISION	BY	DATE	PLAN SCALE	DRAWN	APPROVED:
			1"=20'	DESIGNED	
				FIELD SURVEY	
			PROFILE SCALE	PROJECT MGR.	
			HORIZONTAL	LEAD ENGR. <i>[Signature]</i> 11/24	
			1"=20'	FIELD MGR. <i>[Signature]</i> 10/24	
			VERTICAL	RECOMMENDED	
			1"=5'	DESIGN MANAGER <i>[Signature]</i> 11-24	<i>[Signature]</i> CITY ENGINEER
			FILE:	DRAWING:	DATE 1/8/2025
			ATLAS PAGE NO: 4, 15		SHEET 5 OF 29 SHEETS

WATERLINE PAY ITEM NOTES
(4/21/2023 VERSION)

1. TESTING AND CHLORINATION OF WATER MAINS SHALL BE PERFORMED BY THE CITY OF TULSA. TESTING, CHLORINATION, AND FLUSHING SHALL BE DONE IN ACCORDANCE WITH SECTION 109.3 OF THE GENERAL SPECIFICATIONS.
- A. CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY PLUGS WITH ADEQUATE BLOCKING OR RESTRAINTS, PLUS CORPORATION STOPS, AS DIRECTED BY CITY TESTING PERSONNEL. THEN, ONCE TESTING, CHLORINATION AND FLUSHING BY CITY PERSONNEL IS COMPLETED, REMOVE TEMPORARY BLOCKING AND TIE INTO EXISTING SYSTEM, USING FITTINGS SWABBED INTERNALLY WITH 2% BLEACH SOLUTION.
- B. TESTING, CHLORINATION, AND FLUSHING OF NEW WATER MAIN SHALL BE PERFORMED BY CITY PERSONNEL ON MAINS WHICH ARE PHYSICALLY DISCONNECTED FROM THE EXISTING WATER SYSTEM. TESTING, CHLORINATION AND FLUSHING OF NEW WATER MAINS SHALL NOT BE PERFORMED AGAINST VALVES WHICH ARE PHYSICALLY CONNECTED TO EXISTING SYSTEM.
- C. ALL COSTS FOR TEMPORARY PLUGS, BLOCKING, RESTRAINING, CORPORATION STOPS, TUBING, THREADED CONNECTIONS, BLEACH AND OTHER INCIDENTALS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR PIPE.
2. BURIED BOLTS, HARNESS LUGS, AND COUPLINGS SHALL BE GIVEN TWO COATS OF KOPPER'S BITUMASTIC 300-M (DRY MIL THICKNESS OF 16 MILS) OR EQUAL. COST TO BE INCLUDED IN UNIT PRICE BID FOR PIPE AND FITTINGS.
3. CONTRACTOR TO EXCAVATE ALL UTILITY CROSSINGS AHEAD OF PIPE LAYING SO THAT THE GRADES CAN BE ADJUSTED ON THE PROPOSED WATER MAIN TO AVOID UTILITY CONFLICTS. FAILURE TO DO SO SHALL NOT ENTITLE THE CONTRACTOR TO CLAIM EXTRA COMPENSATION FOR ADJUSTMENTS TO THE PROPOSED WATER MAIN. COST FOR EXCAVATING UTILITY CROSSINGS SHALL BE INCLUDED IN UNIT PRICE BID FOR PIPE.
4. CONTRACTOR SHALL INSURE ALL POLES WHICH ARE AFFECTED BY TRENCHING CONDITIONS ARE BRACED BY OWNERS. PAYMENT SHALL BE INCLUDED IN "RIGHT-OF-WAY CLEARING AND RESTORING". NO ADDITIONAL PAYMENT SHALL BE MADE.
5. ALL HYDRANTS, VALVES AND OTHER FITTINGS FROM ABANDONED WATER MAINS SHALL BE SALVAGED AND DELIVERED TO SOUTH YARD, 2317 S JACKSON. PAYMENT TO BE MADE UNDER RIGHT OF WAY CLEARING AND RESTORING. NO ADDITIONAL PAYMENT SHALL BE MADE.
6. CONTRACTOR SHALL REPAIR ANY IRRIGATION SYSTEMS, ROOF DRAINS, AND FENCING DAMAGED IN THE ZONE OF CONSTRUCTION DURING THE COURSE OF CONSTRUCTION TO SATISFACTION OF THE PROPERTY OWNER. PAYMENT SHALL BE INCLUDED IN RIGHT-OF-WAY CLEARING AND RESTORING. NO ADDITIONAL PAYMENT SHALL BE MADE.
7. COST OF ANY TEMPORARY LIVESTOCK FENCING AND POLES SHALL BE INCLUDED IN COST OF RIGHT OF WAY CLEARING AND RESTORING. NO ADDITIONAL PAYMENT SHALL BE MADE.
8. ALL COSTS FOR COMPONENTS NECESSARY TO RESTRAIN JOINTS FOR PIPE AND FITTINGS DESIGNATED RESTRAINED JOINT ("RJ") SHALL BE INCLUDED IN UNIT PRICE BID FOR PIPE OR FITTINGS.
- A. DUCTILE IRON PIPE RESTRAINED JOINT SYSTEMS: US PIPE TRFLEX, GRIFFIN SNAPLOK, MCWANE THRUSTLOCK, AMERICAN FLEXRING, EBAA MEGALUG, STAR STARGRIP, SMITH-BLAIR CAMLOCK, CLOW TUFGRIP OR EQUAL SHALL BE USED ON THIS PROJECT. SHOULD RJ PIPE BE SPECIFIED THROUGH 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 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 COST OF DUCTILE IRON PIPE.
12. ALL LABOR, MATERIALS, AND EQUIPMENT TO CONNECT PROPOSED WATER MAINS TO EXISTING WATER MAINS ARE INCLUDED IN COST OF SLEEVES/ADAPTORS. 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. COST FOR EXCAVATING EXISTING WATER MAINS SHALL BE INCLUDED IN UNIT PRICE BID FOR SLEEVES. NO ADDITIONAL PAYMENT SHALL BE MADE.
13. (OPTIONAL) 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 SHALL BE PAID UNDER SEPARATE BID ITEMS. 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 1 1/2 -IN TYPE A AGGREGATE BASE, PLACED IN 8-INCH MAXIMUM LIFTS AND COMPACTED TO 98% MODIFIED PROCTOR DENSITY. COST TO BE INCLUDED IN COST OF EXCAVATION AND BACKFILL. NO ADDITIONAL PAYMENT SHALL BE MADE.
15. WATER SERVICE CONNECTIONS SHALL INCLUDE COST OF MATERIAL, LABOR AND EQUIPMENT TO REMOVE AND INSTALL SADDLES, SERVICE CLAMPS, CORPORATION STOPS, BENDS, 3-PART UNIONS, COUPLINGS, SETTERS AND ANY OTHER INCIDENTALS REQUIRED FOR A COMPLETE WATER SERVICE CONNECTION WITH EXCEPTION OF METER CANS, RIMS AND LIDS. NO ADDITIONAL PAYMENT SHALL BE MADE. METER CANS, LIDS AND RIMS SHALL BE PAID AS A SEPARATE BID ITEM.
- A. SHORT SERVICE SHALL BE ANY SERVICE LINE THAT IS 25-FEET OR LESS IN LENGTH. SHORT SERVICES DO NOT INCLUDE PAVEMENT REPLACEMENT. I.E. 3/4-INCH WATER SERVICE CONNECTIONS (SHORT SERVICE)
- 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. EXAMPLE: 3/4-IN WATER SERVICE CONNECTIONS (LONG SERVICE)
- C. SHORT AND LONG 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

WATERLINE PAY ITEM NOTES
(CONT.)

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. 3/4-INCH WATER SERVICE CONNECTION SHALL USE 1-INCH PEX TUBING MINIMUM
 - B. 1-INCH WATER SERVICE CONNECTION SHALL USE 1 1/4-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: THE ALLOWANCE SHALL BE USED FOR COST OF MATERIALS, LABOR, INSTALLATION AND OVERHEAD AND PROFIT FOR ADDITIONAL WORK AND MISCELLANEOUS ITEMS THAT ARE NOT IDENTIFIED IN THE CONSTRUCTION DOCUMENTS AND PLANS, AND NOT INCLUDED IN THE BID ITEMS OF THE CONTRACT.
 - A. 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.
 - B. 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.
 - C. THE CONTRACTOR SHALL PROCEED WITH THE WORK INCLUDED IN THE ALLOWANCE ONLY AFTER RECEIVING A WRITTEN ORDER, FROM THE ENGINEER AND CITY AUTHORIZING SUCH WORK. PROCEEDING WITH WORK IN THE ALLOWANCE WITHOUT A WRITTEN ORDER FROM THE CITY WILL BE AT THE CONTRACTOR'S EXPENSE.
19. WHERE PLANS IDENTIFY A 22.5-DEG OR 11.25-DEG VERTICAL OR HORIZONTAL BEND, HDPE WILL BE DEFLECTED PER MANUFACTURER'S MINIMUM ALLOWABLE BEND RADIUS.
20. WHERE PLANS IDENTIFY A CROSS, HDPE WILL USE TWO (2) TEE'S. NO ADDITIONAL PAYMENT SHALL BE MADE.
21. TOP OF VALVE BOX SHALL BE FLUSH WITH FINISHED GRADE.
22. THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO A CONDITION EQUAL TO OR BETTER THAN THE EXISTING IMPROVEMENTS. LIMITS OF DISTURBANCE SHALL NOT EXCEED 9-FEET CENTERED ON THE WATERLINE. ANY DISTURBANCE OUTSIDE OF THIS AREA SHALL BE RESTORED AT THE CONTRACTORS EXPENSE. STREETS, DRIVEWAYS AND ASSOCIATED ITEMS SHALL BE PAID FOR UNDER OTHER ITEMS OF WORK.
23. THE CONTRACTOR SHALL RESTORE ALL DISTURBED GRASS AREAS TO A CONDITION EQUAL TO OR BETTER THAN THE EXISTING CONDITION. THE CONTRACTOR SHALL REPLACE THE SOD TO MATCH IN-KIND AND QUALITY. LIMITS OF DISTURBANCE SHALL NOT EXCEED 9-FEET CENTERED ON THE WATERLINE. ANY DISTURBANCE OUTSIDE OF THIS AREA SHALL BE RESTORED AT THE CONTRACTORS EXPENSE. PAY ITEM INCLUDES ALL MOWING WITHIN THE RIGHT-OF-WAY AS DIRECTED DURING CONSTRUCTION.
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 SERVICE, NOTIFICATION SHALL BE MADE TO WATER DISTRIBUTION AND WORK SHALL CEASE UNTIL RELEASED AT WHICH TIME ANY AND ALL SERVICE LINES LOCATED THAT ARE LEAD OR GALVANIZED ARE TO BE REPLACED WITH APPROVED MATERIALS.
26. WORK UNDER THIS ITEM SHALL INCLUDE FURNISHING AND INSTALLING HDPE WALL ANCHOR AS SHOWN ON DRAWINGS OR AS DIRECTED BY THE ENGINEER. THE UNIT PRICE SHALL INCLUDE THE COST OF ALL LABOR, EQUIPMENT AND MATERIALS REQUIRED. NO ADDITIONAL PAYMENT SHALL BE MADE FOR EXCAVATION, BACKFILLING, OR CONCRETE BLOCKING.
27. PRESSURE TESTING AND CHLORINATION OF WATER MAINS SHALL NOT BE PERFORMED UNTIL THE CITY INSPECTOR HAS RECEIVED REQUIRED CONSTRUCTION AS-BUILT RECORDS.
28. MARKER BALLS SHALL BE INSTALLED ABOVE ALL FITTINGS, BLIND FLANGES, SERVICE TAPS AND EVERY 100 FEET, IF THE DISTANCE BETWEEN FITTINGS IS GREATER THAN 100 FEET. COST OF MARKER BALLS SHALL BE INCLUDED IN UNIT PRICE BID FOR PIPE. MARKERS SHALL BE VIVAX WATER MARKER BALLS OR EQUAL THAT WORK WITH THE VIVAX VLOC3 -PRO RECEIVER AND LOC3-10TX TRANSMITTER.
29. COST INCLUDES EBAA MEGASTOPS OR EQUAL, INSTALLED ON ALL PVC JOINTS THROUGH BORES TO PREVENT OVERBELLING.
30. AGG BASE AND SUBGRADE, PER CITY STANDARD SPECIFICATIONS AND STANDARD DETAILS 701 - 702, SHALL BE PAID UNDER EXCAVATION AND BACKFILL.
31. AGG BASE AND SUBGRADE, PER CITY STANDARD SPECIFICATIONS AND STANDARD DETAILS 703 - 704, SHALL BE PAID UNDER EXCAVATION AND BACKFILL.



WATERLINE REPLACEMENT
TMUA-W 20-08

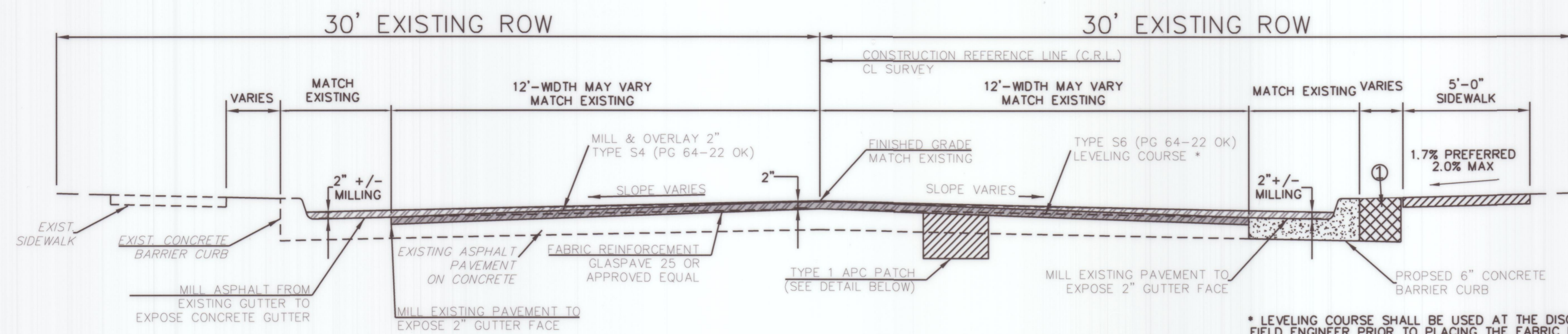
PAY ITEM NOTES (3 OF 3)

MAINTENANCE ZONE 1007
PROJECT NO. 2036N1007Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS

PLANS PREPARED BY:
CITY OF TULSA

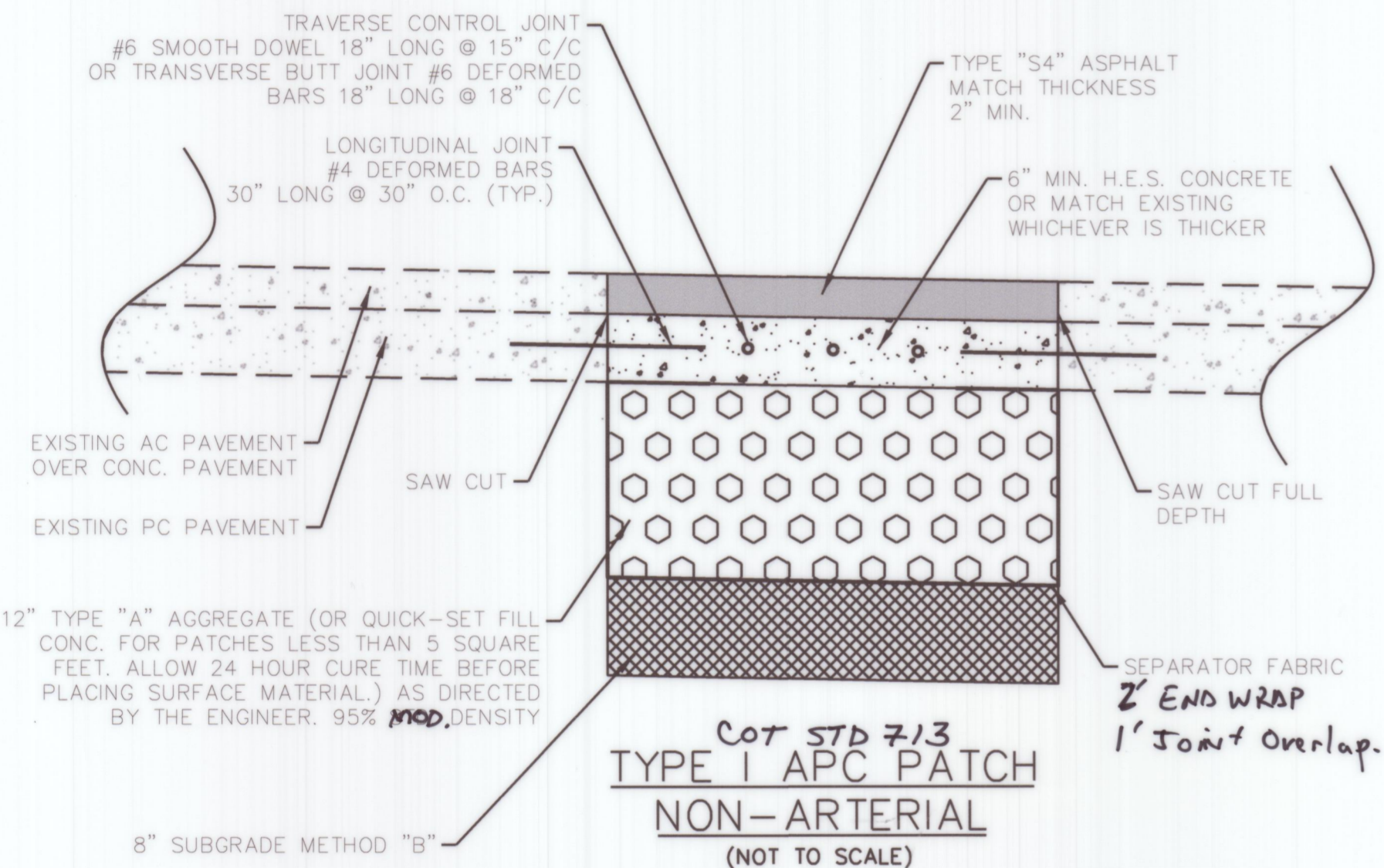
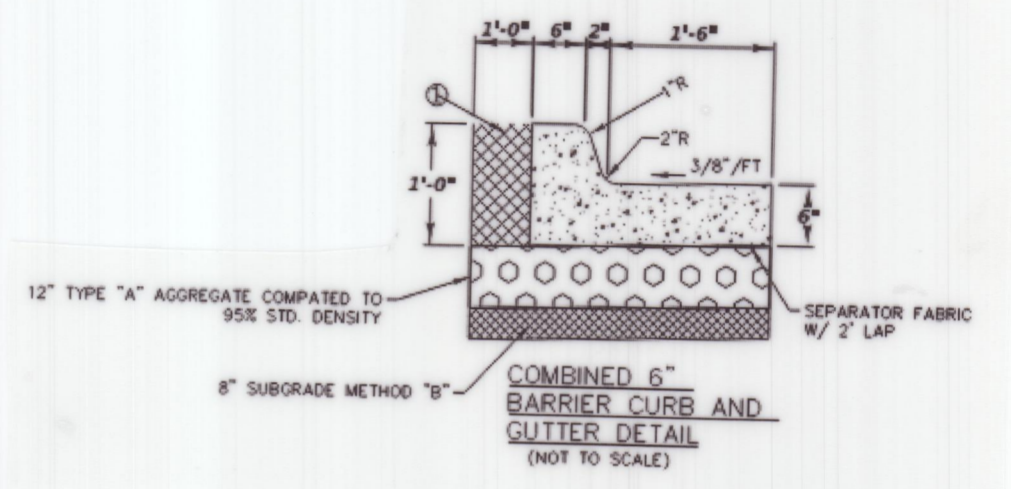
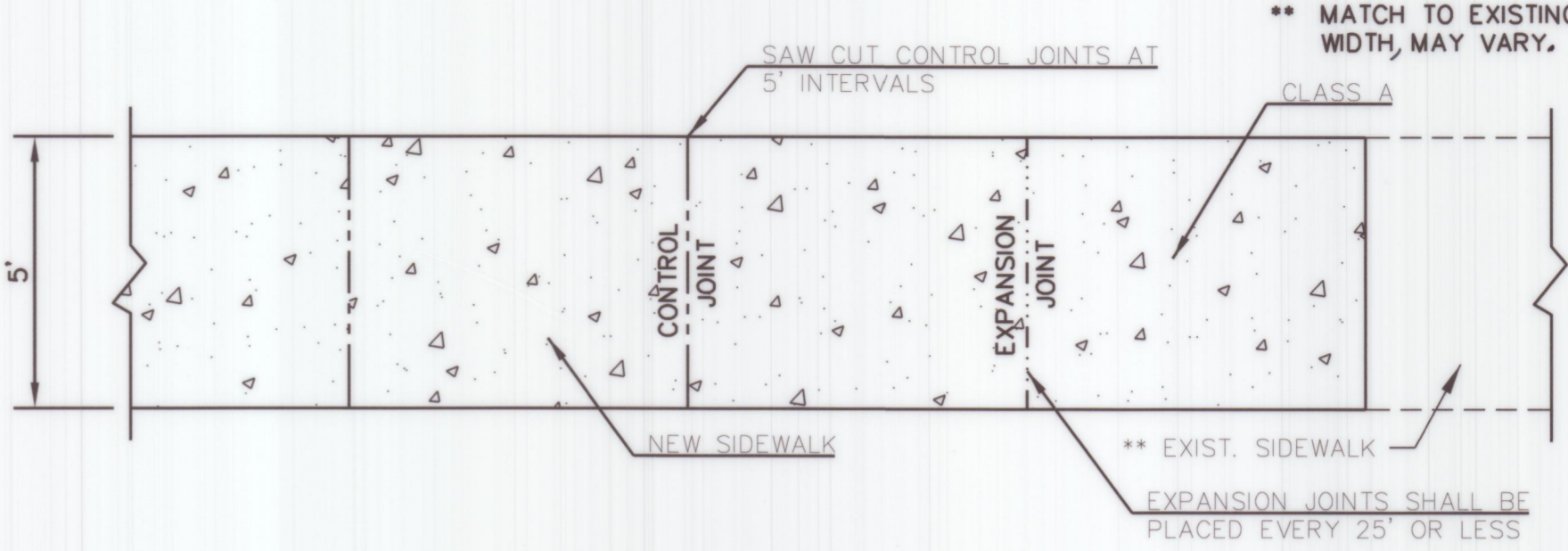
REVISION	BY	DATE	PLAN SCALE	DRAWN	APPROVED:
			1"=20'	DESIGNED	 CITY ENGINEER
				FIELD SURVEY	
			PROFILE SCALE	PROJECT MGR.	
			HORIZONTAL	LEAD ENGR.	
			1"=20'	FIELD MGR. <i>RM 10/24</i>	
			VERTICAL	RECOMMENDED: <i>HAS 12-11-24</i>	
			1"=5'	DESIGN MANAGER	
			FILE:	DRAWING:	DATE: <i>1/8/2025</i>
			ATLAS PAGE NO: 4, 15		SHEET 6 OF 29 SHEETS



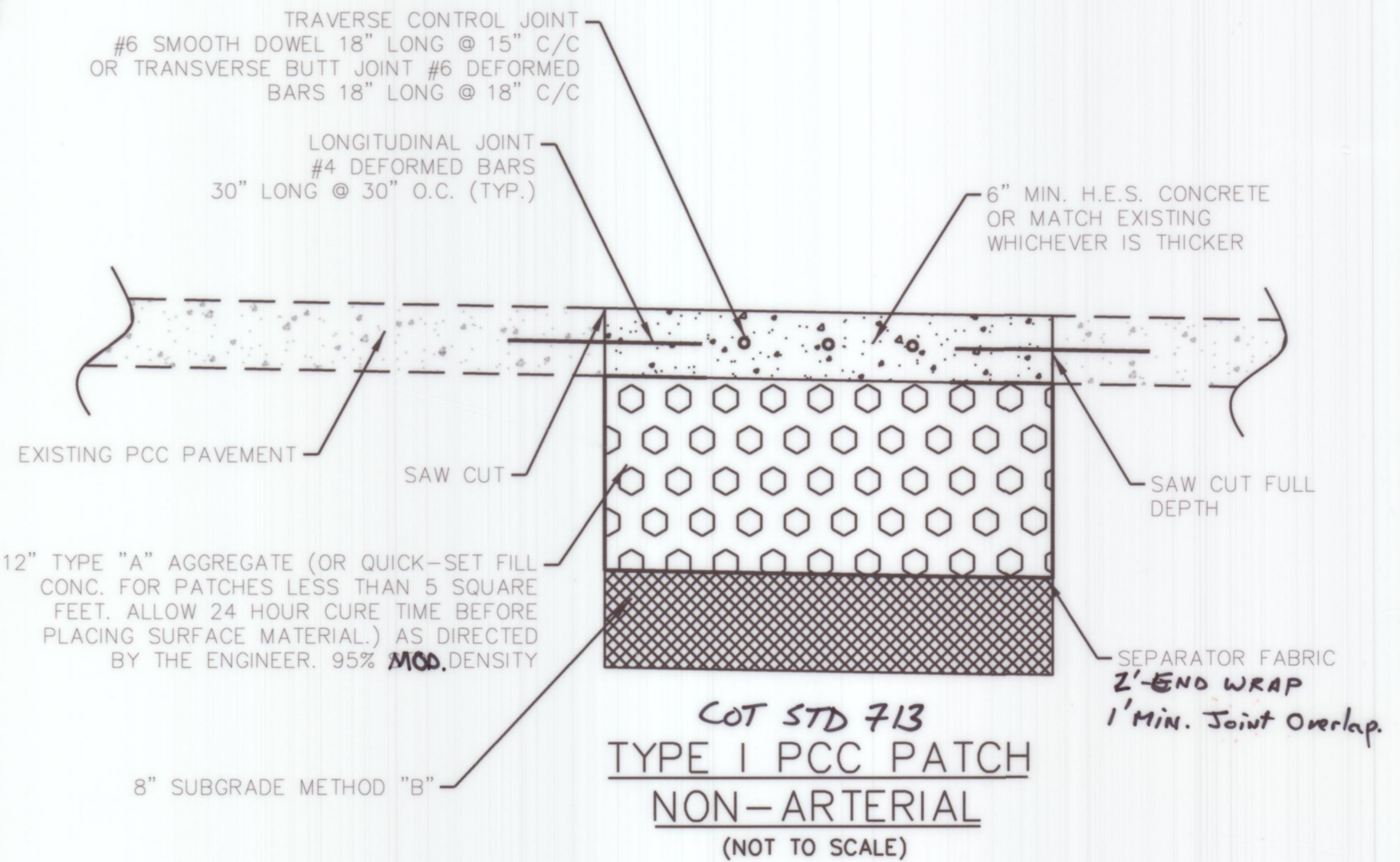
TYPICAL SECTION - 1 (MILL & OVERLAY)

(NTS)
 ADMIRAL PL:
 100+19.44 TO 119+03.75
 QUINCY AVE:
 200+10.98 TO 204+84.62
 ROCKFORD AVE:
 300+10.95 TO 305+00.31
 TRENTON AVE:
 400+09.91 TO 404+73.00
 410+59.31 TO 415+52.82

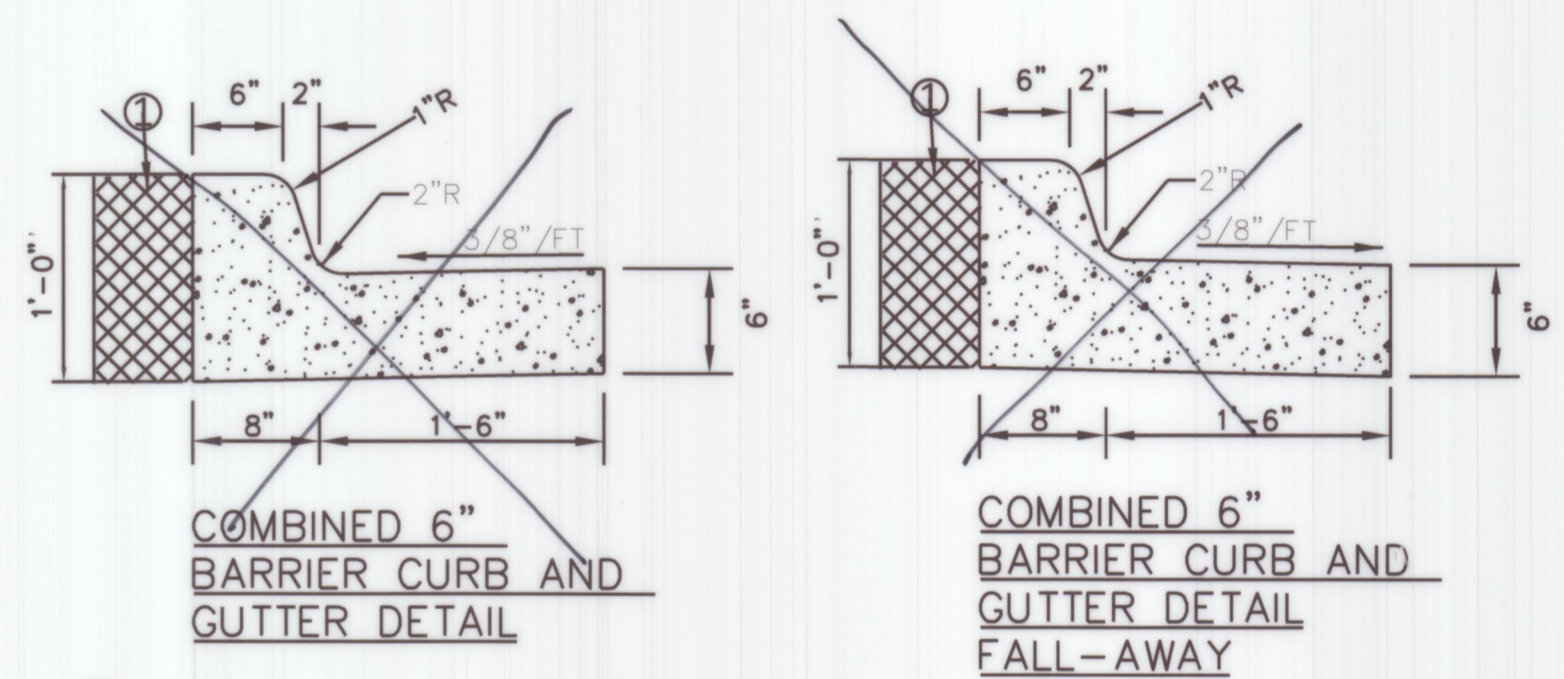
* LEVELING COURSE SHALL BE USED AT THE DISCRETION OF THE FIELD ENGINEER PRIOR TO PLACING THE FABRIC REINFORCEMENT AND MAY BE OMITTED IN ITS ENTIRETY..



**COT STD 713
 TYPE I APC PATCH
 NON-ARTERIAL
 (NOT TO SCALE)**



**COT STD 713
 TYPE I PCC PATCH
 NON-ARTERIAL
 (NOT TO SCALE)**



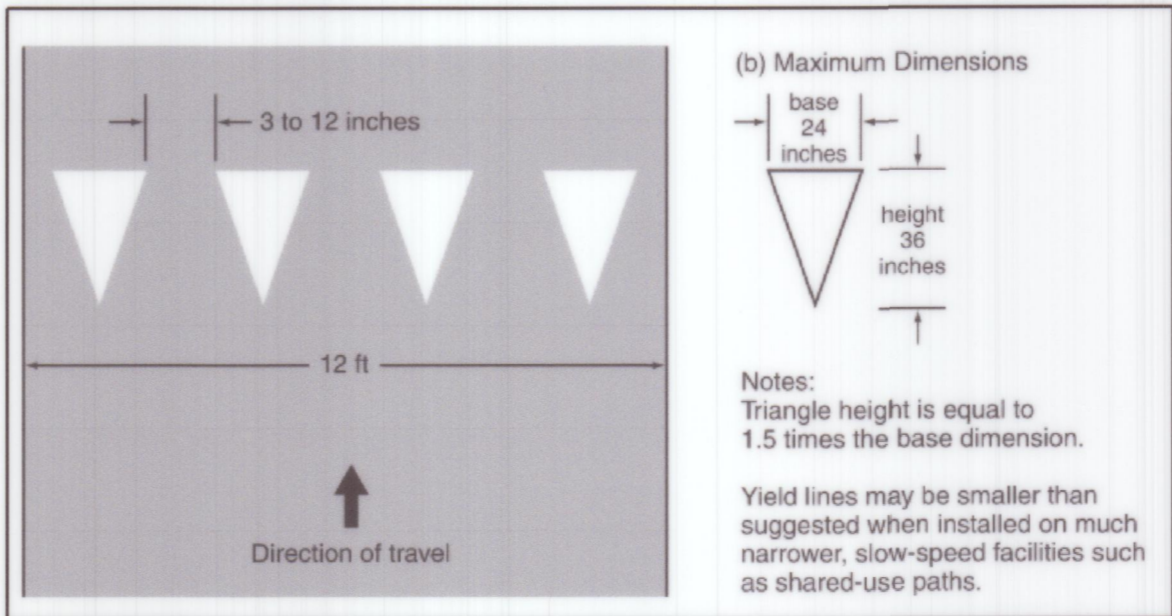
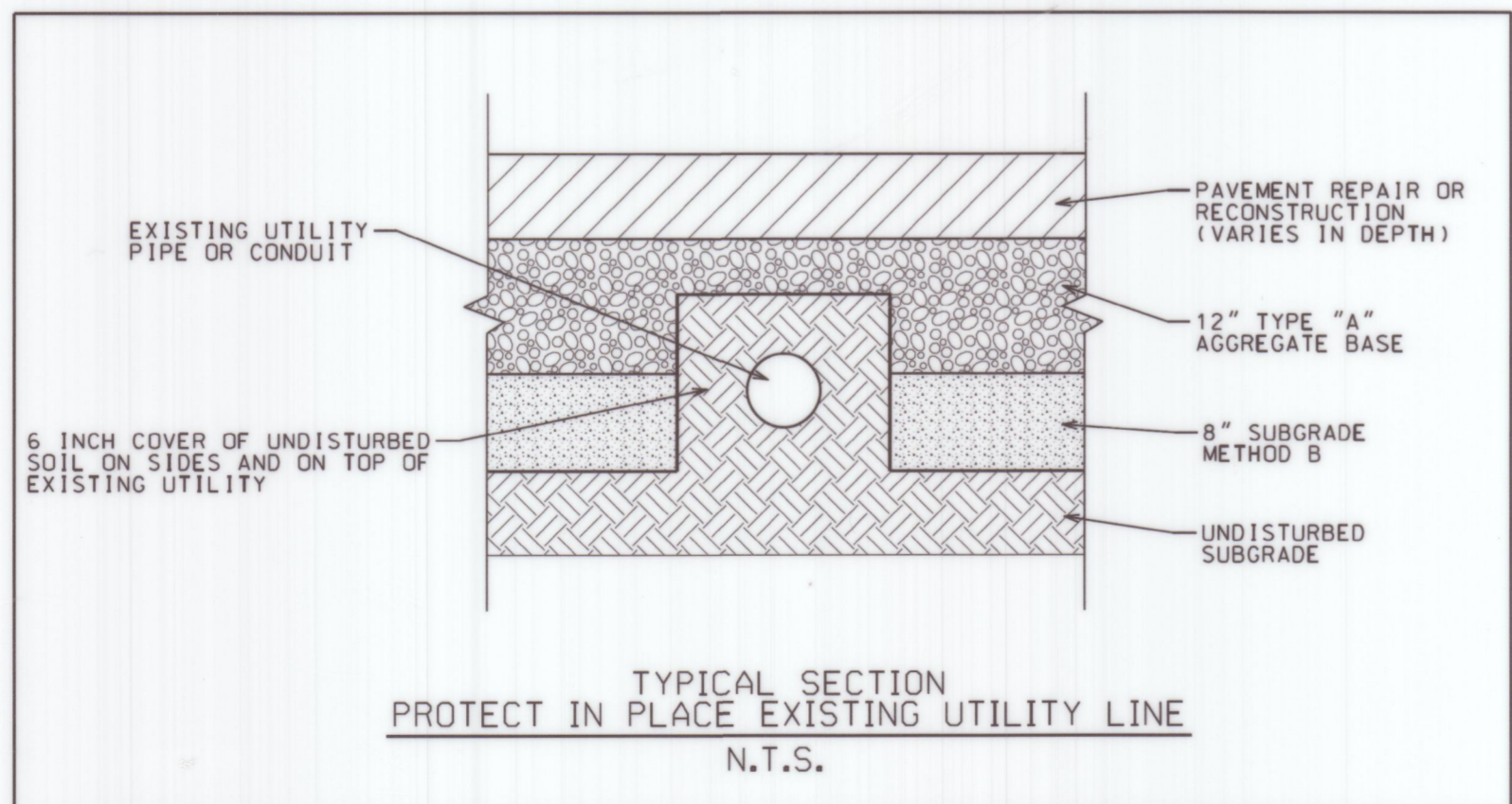
① BACKFILL NOTE:
 TO BE BACKFILLED 1' IN BACK OF CURB WITH AND COMPACTED AS PART OF THE FINISHING OPERATIONS. COST OF 2' OF SOLID SLAB SOD TO BE INCLUDED IN OTHER ITEMS OF WORK.



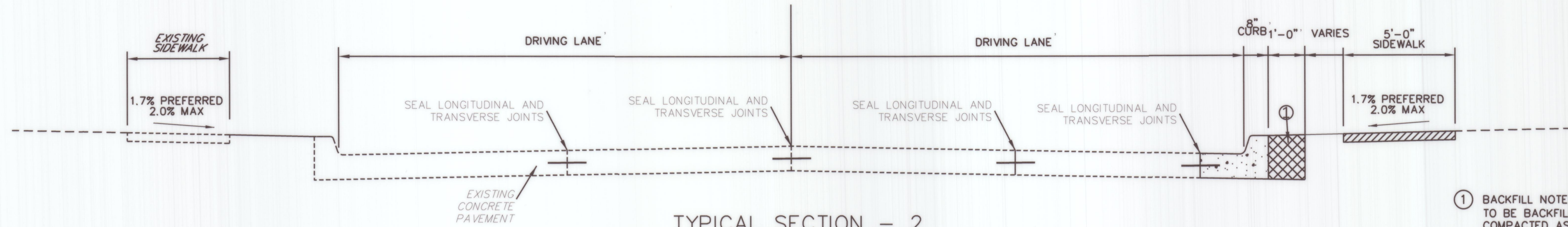
TYPICAL SECTIONS (1 OF 2)
 MAINTENANCE ZONE 1007
 PROJECT NO. 2036N1007Z
 CITY OF TULSA, OKLAHOMA
 PUBLIC WORKS

PLANS PREPARED BY: CITY OF TULSA

REVISION	BY	DATE	PLAN SCALE	DRAWN	APPROVED:
			1"=20'	DESIGNED	 CITY ENGINEER
				FIELD SURVEY	
			PROFILE SCALE	PROJECT MGR.	
			HORIZONTAL 1"=20'	LEAD ENGR. <i>DF</i> 11/24	
			VERTICAL 1"=5'	FIELD MGR. <i>DF</i> 10/24 RECOMMENDED: <i>HBS</i> 12-11-24 DESIGN MANAGER	
FILE: DRAWING:				DATE	11/8/2025
ATLAS PAGE NO: 4, 15				SHEET 7 OF 29 SHEETS	



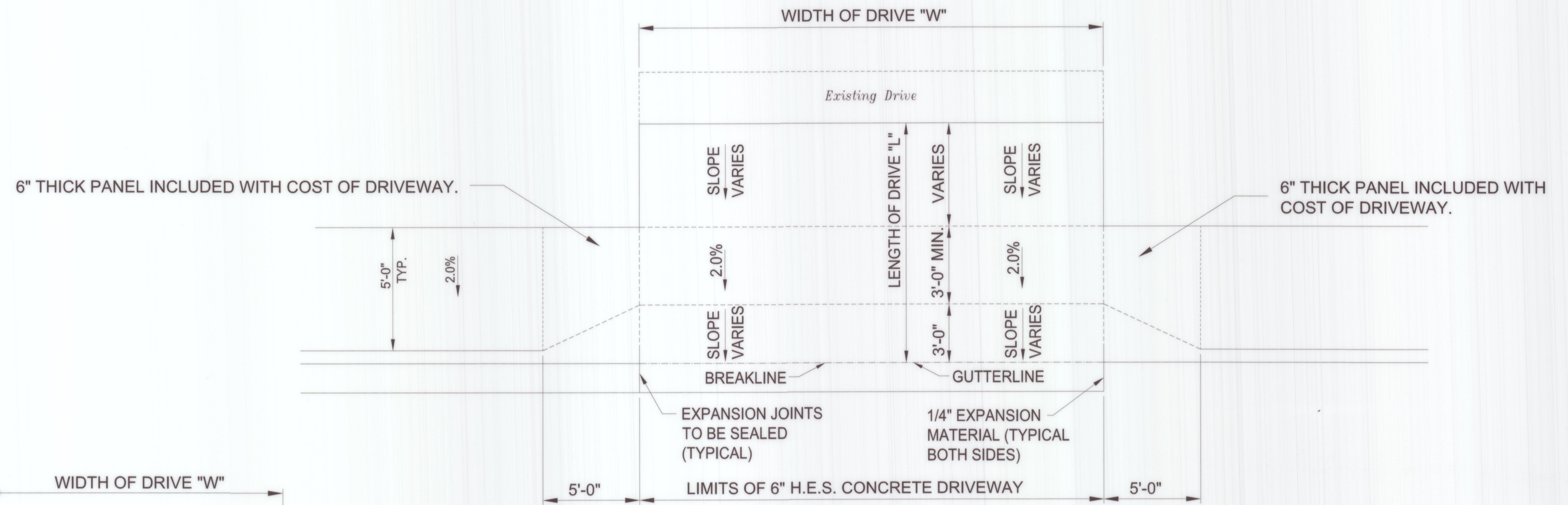
YIELD LINE DETAIL



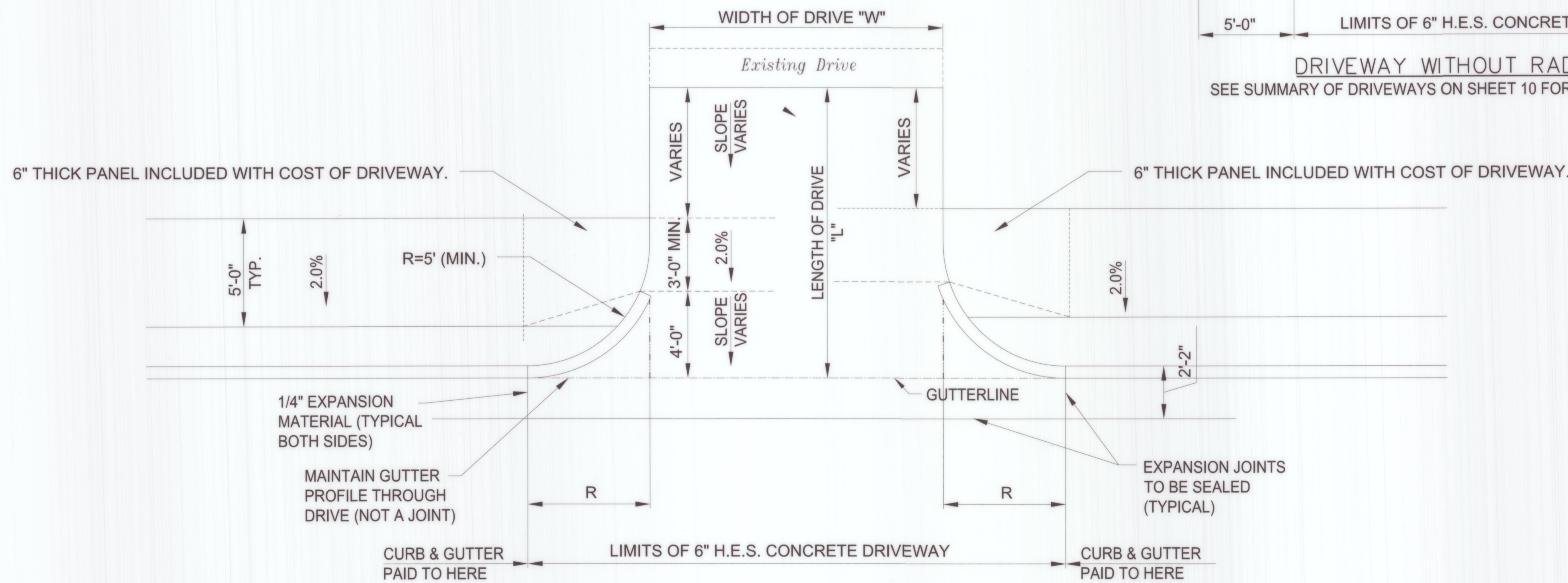
TYPICAL SECTION - 2
(NTS)

TRENTON AVE. FROM STA. 404+73.00 TO STA. 410+59.31

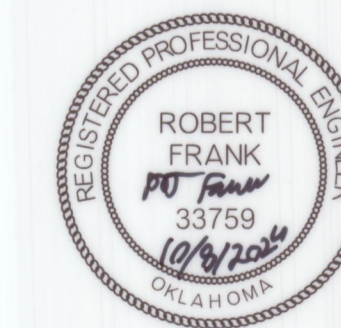
① BACKFILL NOTE:
TO BE BACKFILLED 1' IN BACK OF CURB WITH AND
COMPACTED AS PART OF THE FINISHING OPERATIONS. COST
OF 2" OF SOLID SLAB SOD TO BE INCLUDED IN OTHER
ITEMS OF WORK.



DRIVEWAY WITHOUT RADIUS DETAIL
SEE SUMMARY OF DRIVEWAYS ON SHEET 10 FOR LOCATION AND DIMENSIONS.

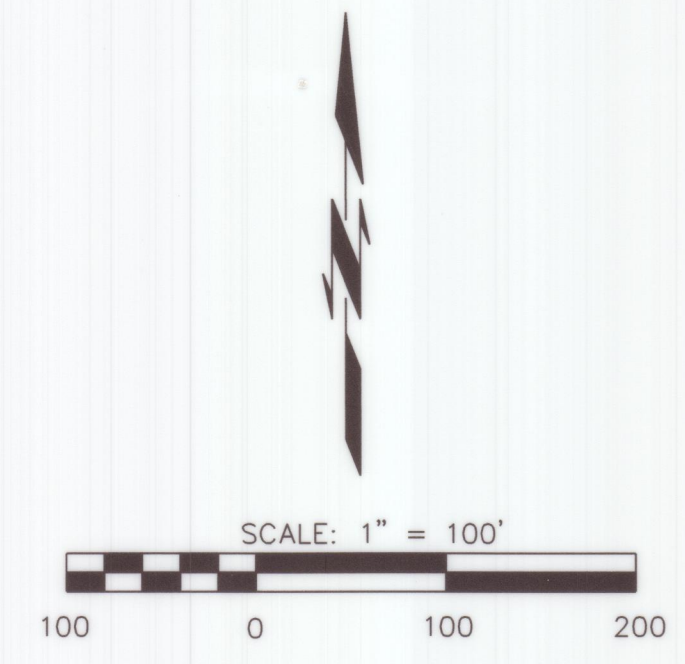


DRIVEWAY WITH RADIUS DETAIL
SEE SUMMARY OF DRIVEWAYS ON SHEET 10 FOR LOCATION AND DIMENSIONS.

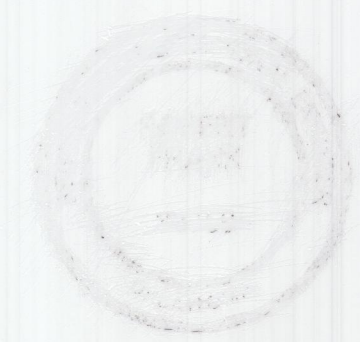
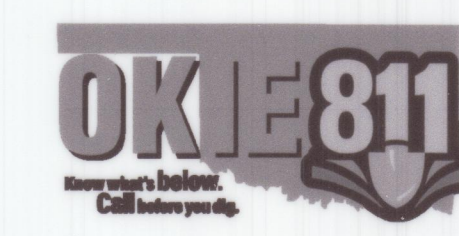


TYPICAL SECTIONS (2 OF 2)	
MAINTENANCE ZONE 1007 PROJECT NO. 2036N1007Z	
CITY OF TULSA, OKLAHOMA PUBLIC WORKS	
PLANS PREPARED BY: CITY OF TULSA	

REVISION	BY	DATE	PLAN SCALE	DRAWN	APPROVED:
			1"=20'	DESIGNED	
				FIELD SURVEY	
			PROFILE SCALE	PROJECT MGR.	
			HORIZONTAL	LEAD ENGR.	
			1"=20'	FIELD MGR.	
			VERTICAL	RECOMMENDED	
			1"=5'	DESIGN MANAGER	
			FILE:	DRAWING:	DATE: 11/8/2025
			ATLAS PAGE NO: 4, 15		SHEET 8 OF 29 SHEETS



- BM-1 ADS 62 RESET**
 3" BRASS CAP- SET IN CONCRETE- FLUSH- STAMPED "62 RESET", SET ON THE WEST SIDE OF UTICA AVE, AND NORTH OF I-244 APPROX. 0.25 MILE.
 N = 429170.415
 E = 2568517.268
 ELEV. = 751.597
- BM-2 2016-21**
 5/8" REBAR- 3" ALUMINUM CAP- FLUSH, STAMPED 2016-21, SET IN CONCRETE POST 36" IN GROUND
 N = 429269.088
 E = 2564688.182
 EL = 727.928
- BM-3**
 ADMIRAL PLACE
 STA. 112+46.04, 18.31' LT.
 CUT 'X' ON CONC. CURB
 N = 428756.462
 E = 2567873.596
 EL = 728.78
- BM-4**
 UTICA AVE.
 CUT 'X' ON CONC. SIDEWALK
 N = 428745.473
 E = 2568584.335
 EL = 738.58
- BM-5**
 TRENTON AVE.
 STA. 410+10.79, 20.21' RT.
 CUT 'X' ON CONC. CURB
 N = 429419.544
 E = 2567904.359
 EL = 735.98
- BM-6**
 TRENTON AVE.
 STA. 414+40.72, 10.61' RT.
 CUT 'X' ON CONC. CURB
 N = 429849.191
 E = 2567886.141
 EL = 737.51
- BM-7**
 ADMIRAL PLACE
 STA. 100+19.13, 12.36' RT.
 CUT 'X' ON CONC. CURB
 N = 428709.048
 E = 2566647.215
 EL = 711.45
- BM-8**
 QUINCY AVE.
 STA. 200+15.74, 24.22' RT.
 CUT 'X' ON CONC. SIDEWALK
 N = 428407.428
 E = 2566658.435
 EL = 712.76
- BM-9**
 ADMIRAL PLACE
 STA. 103+61.08, 11.38' LT.
 CUT 'X' ON CONC. CURB
 N = 428737.452
 E = 2566988.815
 EL = 713.79
- BM-10**
 ADMIRAL PLACE
 STA. 106+30.52, 22.38' RT.
 CUT 'X' ON CONC. SIDEWALK
 N = 428707.370
 E = 2567258.687
 EL = 715.51
- BM-11**
 ROCKFORD AVE.
 STA. 300+18.47, 18.86' RT.
 CUT 'X' ON CONC. CURB
 N = 428418.381
 E = 2567262.962
 EL = 719.28
- BM-12**
 ADMIRAL PLACE
 STA. 109+20.46, 10.97' LT.
 CUT 'X' ON CONC. CURB
 N = 428744.675
 E = 2567548.140
 EL = 721.33
- BM-13**
 TRENTON AVE.
 STA. 400+18.99, 30.89' LT.
 CUT 'X' ON CONC. CURB
 N = 428426.910
 E = 2567873.157
 EL = 725.72
- BM-14**
 ADMIRAL PLACE
 STA. 116+08.03, 13.97' RT.
 CUT 'X' ON CONC. CURB
 N = 428729.126
 E = 2568235.988
 EL = 733.89
- BM-15**
 TRENTON AVE.
 STA. 407+36.35, 19.42' RT.
 CUT 'X' ON CONC. CURB
 N = 429145.140
 E = 2567909.065
 EL = 733.71



SURVEYOR'S CERTIFICATE

I, JUSTIN SMITH, PLS, DO HEREBY CERTIFY THAT THIS SURVEY WAS MADE UPON THE GROUND AND THAT IT AND THE INFORMATION SHOWN HEREON FOR ALL SURVEY DATA POINTS ARE A TRUE AND CORRECT REPRESENTATION TO THE BEST OF MY KNOWLEDGE AND BELIEF.

JUSTIN SMITH, PLS 1868

Date

SURVEY & GEOMETRIC
 MAINTENANCE ZONE 1007
 PROJECT NO. 2036N1007Z
 CITY OF TULSA, OKLAHOMA
 PUBLIC WORKS

PLANS PREPARED BY:
 CITY OF TULSA

REVISION	BY	DATE	PLAN SCALE	DRAWN	APPROVED:
			1"=20'	DESIGNED	
				FIELD SURVEY	
			PROFILE SCALE	PROJECT MGR.	
			HORIZONTAL	LEAD ENGR. <i>JWS</i> 11/24	
			VERTICAL	FIELD MGR. <i>JWS</i> 11/24	
			1"=5'	RECOMMENDED	DESIGN MANAGER <i>JWS</i> 12-24
			FILE:	DRAWING:	CITY ENGINEER <i>JWS</i>
			ATLAS PAGE NO: 4, 15		DATE 11/8/2025
					SHEET 9 OF 29 SHEETS

SUMMARY OF DRIVEWAYS										
STATION	STREET NAME	LT/RT	MATERIAL	RADIUS (DOWN STATION)	RADIUS (UP STATION)	WIDTH	LENGTH	CONC. DRIVEWAY (H.E.S.) 610(B)	AGGREGATE BASE TYPE A 303(A)	REMOVAL OF DRIVE 619(B)
				FT.	FT.					
100+72.00	ADMIRAL PLACE	X	EXISTING							
100+82.00	ADMIRAL PLACE	X	EXISTING							
101+18.00	ADMIRAL PLACE	X	CONCRETE	5	5	12.00	19.0	29	5	29
101+25.00	ADMIRAL PLACE	X	EXISTING							
101+29.00	ADMIRAL PLACE	X	CONCRETE	5	5	9.00	19.0	21	4	21
101+70.00	ADMIRAL PLACE	X	CONCRETE	5	5	9.50	16.0	22	4	22
102+20.00	ADMIRAL PLACE	X	CONCRETE	5	5	8.50	19.0	21	3	21
102+29.00	ADMIRAL PLACE	X	CONCRETE	5	5	8.50	19.0	21	3	21
102+30.00	ADMIRAL PLACE	X	EXISTING							
102+85.00	ADMIRAL PLACE	X	EXISTING							
103+17.00	ADMIRAL PLACE	X	EXISTING							
103+66.00	ADMIRAL PLACE	X	CONCRETE	5	N/A	12.00	19.0	28	5	28
103+70.00	ADMIRAL PLACE	X	EXISTING							
103+84.00	ADMIRAL PLACE	X	EXISTING							
104+18.00	ADMIRAL PLACE	X	EXISTING							
104+73.00	ADMIRAL PLACE	X	EXISTING							
106+43.00	ADMIRAL PLACE	X	CONCRETE	5	N/A	17.50	19.0	42	7	42
106+90.00	ADMIRAL PLACE	X	CONCRETE	5	5	8.50	19.0	23	4	23
107+33.00	ADMIRAL PLACE	X	CONCRETE	5	5	20.00	16.0	45	7	45
107+80.00	ADMIRAL PLACE	X	EXISTING							
107+87.00	ADMIRAL PLACE	X	EXISTING							
108+30.00	ADMIRAL PLACE	X	EXISTING							
108+80.00	ADMIRAL PLACE	X	EXISTING							
108+84.00	ADMIRAL PLACE	X	CONCRETE	5	5	17.00	17.0	39	6	39
109+30.00	ADMIRAL PLACE	X	CONCRETE	5	N/A	8.50	16.0	19	3	19
109+42.00	ADMIRAL PLACE	X	EXISTING							
109+76.00	ADMIRAL PLACE	X	EXISTING							
109+94.00	ADMIRAL PLACE	X	EXISTING							
110+30.00	ADMIRAL PLACE	X	CONCRETE	EXISTING	EXISTING	10.00	5.0	6	1	6
110+60.00	ADMIRAL PLACE	X	EXISTING							
111+25.00	ADMIRAL PLACE	X	CONCRETE	5	5	11.00	19.5	30	5	30
111+28.00	ADMIRAL PLACE	X	CONCRETE	EXISTING	EXISTING	11.25	5.0	6	1	6
111+69.00	ADMIRAL PLACE	X	CONCRETE	5	5	20.00	19.5	50	8	
113+50.00	ADMIRAL PLACE	X	CONCRETE	5	5	10.50	19.0	28	5	28
113+50.00	ADMIRAL PLACE	X	CONCRETE	EXISTING	EXISTING	10.30	5.0	6	1	6
114+01.00	ADMIRAL PLACE	X	EXISTING							
114+03.00	ADMIRAL PLACE	X	EXISTING							
114+33.00	ADMIRAL PLACE	X	EXISTING							
114+87.00	ADMIRAL PLACE	X	EXISTING							
115+37.00	ADMIRAL PLACE	X	EXISTING							
115+45.00	ADMIRAL PLACE	X	CONCRETE	5	5	16.50	20.0	43	7	43
115+86.00	ADMIRAL PLACE	X	CONCRETE	5	5	27.00	19.5	66	11	66
116+34.00	ADMIRAL PLACE	X	EXISTING							
116+50.00	ADMIRAL PLACE	X	EXISTING							
116+89.00	ADMIRAL PLACE	X	CONCRETE	EXISTING	EXISTING	9.66	5.0	5	1	5
117+38.00	ADMIRAL PLACE	X	EXISTING							
117+39.00	ADMIRAL PLACE	X	CONCRETE	5	5	8.00	19.5	22	4	22
117+85.00	ADMIRAL PLACE	X	EXISTING							
117+87.00	ADMIRAL PLACE	X	CONCRETE	EXISTING	EXISTING	8.50	5	4	1	4
118+18.00	ADMIRAL PLACE	X	EXISTING							
118+50.00	ADMIRAL PLACE	X	CONCRETE	5	5	12.00	19.5	32	5	32
TOTALS								606	101	557

SUMMARY OF DRIVEWAYS (CONT.)										
STATION	STREET NAME	LT/RT	MATERIAL	RADIUS (DOWN STATION)	RADIUS (UP STATION)	WIDTH	LENGTH	CONC. DRIVEWAY (H.E.S.) 610(B)	AGGREGATE BASE TYPE A 303(A)	REMOVAL OF DRIVE 619(B)
				FT.	FT.					
201+18.00	QUINCY AVE.	X	EXISTING							
201+59.00	QUINCY AVE.	X	EXISTING							
201+61.00	QUINCY AVE.	X	EXISTING							
201+81.00	QUINCY AVE.	X	EXISTING							
202+07.00	QUINCY AVE.	X	EXISTING							
203+78.00	QUINCY AVE.	X	CONCRETE	N/A	N/A	12.5	20.0			
ROCKFORD AVE										
301+55.00	ROCKFORD AVE.	X	CONCRETE	5	5	11.00	16.0	25	4	25
301+59.00	ROCKFORD AVE.	X	CONCRETE	5	5	20.00	16.0	43	7	43
301+88.00	ROCKFORD AVE.	X	CONCRETE	5	5	20.50	16.0	44	7	44
302+10.00	ROCKFORD AVE.	X	EXISTING							
302+21.00	ROCKFORD AVE.	X	CONCRETE	5	5	10.00	16.0	23	4	23
304+63.00	ROCKFORD AVE.	X	EXISTING							
TRENTON AVE										
401+58.00	TRENTON AVE.	X	CONCRETE	5	5	21.30	9.5	48	8	48
401+60.00	TRENTON AVE.	X	CONCRETE	5	5	16.33	16.00	51	9	51
402+63.00	TRENTON AVE.	X	CONCRETE	N/A	N/A	20.00	16.00	35	6	35
403+93.00	TRENTON AVE.	X								
404+22.00	TRENTON AVE.	X	CONCRETE	N/A	N/A	20.00	12.0	30	5	30
406+55.00	TRENTON AVE.	X	CONCRETE	5	5	20.00	9.0	23	4	23
406+56.00	TRENTON AVE.	X	CONCRETE	5	5	20.00	12.0	30	5	30
410+83.00	TRENTON AVE.	X	EXISTING							
411+79.00	TRENTON AVE.	X	EXISTING							
412+09.00	TRENTON AVE.	X	CONCRETE	5	5	20.00	19.0	49	8	49
413+88.00	TRENTON AVE.	X	CONCRETE	5	5	14.00	7.0	14	2	14
TOTALS								414	69	414

SUMMARY OF DRIVEWAYS (WATERLINE)										
STATION	STREET NAME	LT/RT	MATERIAL	RADIUS (DOWN STATION)	RADIUS (UP STATION)	WIDTH	LENGTH	CONC. DRIVEWAY (H.E.S.) 610(B)	AGGREGATE BASE TYPE A 303(A)	REMOVAL OF DRIVE 619(B)
				FT.	FT.					
203+78.00	QUINCY AVE.	X	CONCRETE	N/A	N/A	12.5	20.0	31	5	31



ROADWAY SUMMARY TABLES
(1 OF 3)
MAINTENANCE ZONE 1007
PROJECT NO. 2036N1007Z
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS

PLANS PREPARED BY:
CITY OF TULSA

REVISION	BY	DATE	PLAN SCALE	DRAWN	APPROVED:
			1"=20'	DESIGNED	
				FIELD SURVEY	
			PROFILE SCALE	PROJECT MGR.	
			HORIZONTAL	LEAD ENGR. <i>[Signature]</i> 10/24	
			1"=20'	FIELD MGR. <i>[Signature]</i> 10/24	
			VERTICAL	RECOMMENDED: <i>[Signature]</i> 12.24	
			1"=5'	DESIGN MANAGER	CITY ENGINEER <i>[Signature]</i>
			FILE:	DRAWING:	DATE 1/8/2025
			ATLAS PAGE NO: 4, 15		SHEET 10 OF 29 SHEETS

SUMMARY OF SIGNS

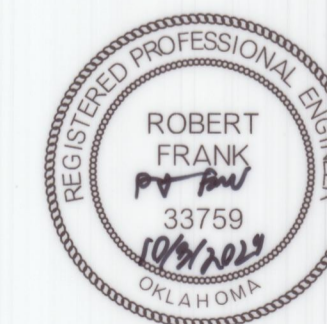
STATION	SIDE	DESCRIPTION	NOTES	MUTCD CODE	SIGN DIMENSION	SHEET ALUMINUM SIGN 850(A)	1 1/2 INCH SQUARE TUBE POST COT 608(C)		2 INCH SQUARE TUBE POST COT 608(E)	
							IN. X IN.	SF	LF	LF
100+20	L	STOP		R1-1	30X30	5.18		10.00	3.00	
105+75	R	N ROCKFORD AV E ADMIRAL PL STOP	REPLACE EXISTING SIGN	R1-1, D3-1	30X30, 9X36	9.68	1.50	10.00	3.00	
106+28	L	STOP		R1-1	30X30	5.18		10.00	3.00	
112+14	R	N TRENTON AV E ADMIRAL PL STOP	REPLACE EXISTING SIGN	R1-1, D3-1	30X30, 9X36	9.68	1.50	10.00	3.00	
113+16	L	STOP		R1-1	30X30	5.18		10.00	3.00	
118+90	R	STOP		R1-1	30X30	5.18		10.00	3.00	
ADMIRAL PL TOTAL:						40.08	3.00	60.00	18.00	
200+19	L	E ADMIRAL BLVD N QUINCY AVE STOP	REPLACE EXISTING SIGN	R1-1, D3-1	30X30, 9X36	9.68	1.50	10.00	3.00	
QUINCY AVE TOTAL:						9.68	1.50	10.00	3.00	
300+30	L	E ADMIRAL BLVD S ROCKFORD AVE STOP	REPLACE EXISTING SIGN	R1-1, D3-1	30X30, 9X36	9.68	1.50	10.00	3.00	
302+93						5.18		10.00	3.00	
303+62	L	STOP		R1-1	30X30	5.18		10.00	3.00	
ROCKFORD AVE TOTAL:						20.04	1.50	30.00	9.00	
400+18	R	E ADMIRAL BLVD N TRENTON AVE STOP	REPLACE EXISTING SIGN	R1-1, D3-1	30X30, 9X36	9.68	1.50	10.00	3.00	
402+51	L	NO PARKING		R7-2	12X18	1.50		10.00	3.00	
402+80	R	STOP		R1-1	30X30	5.18		10.00	3.00	
403+88	L	STOP		R1-1	30X30	5.18		10.00	3.00	
409+58	R	YIELD HERE FOR PED		R1-5	36X36	9.00		12.00	3.00	
410+14	L	YIELD HERE FOR PED		R1-5	36X36	9.00		12.00	3.00	
413+58	R	YIELD HERE FOR PED		R1-5	36X36	9.00		12.00	3.00	
414+43	L	YIELD HERE FOR PED		R1-5	36X36	9.00		12.00	3.00	
TRENTON AVE TOTAL:						57.54	1.50	88.00	24.00	
TOTALS						127.34	7.50	188.00	54.00	

SUMMARY OF STRIPING

SHEET NO.	STREET	STATION TO STATION	TRAFFIC STRIPE (THERMO PLASTIC) (4" WIDE) 855(A)		TRAFFIC STRIPE (THERMO PLASTIC) (24" WIDE) 855(A)	
			LF	LF	LF	LF
16	ADMIRAL PL	100+19.44 TO 104+00.00				12.00
17	ADMIRAL PL	104+00.00 TO 108+00.00				24.00
18	ADMIRAL PL	108+00.00 TO 112+00.00				
19	ADMIRAL PL	112+00.00 TO 116+00.00				24.00
20	ADMIRAL PL	116+00.00 TO 119+03.75				48.00
21	QUINCY AVE	200+10.98 TO 204+00.00				15.00
22	QUINCY AVE	204+00.00 TO 204+84.62				
23	ROCKFORD AVE	300+10.95 TO 304+00.00				44.00
24	ROCKFORD AVE	304+00.00 TO 305+00.31				
25	TRENTON AVE	400+09.91 TO 404+00.00				60.00
26	TRENTON AVE	404+00.00 TO 408+00.00				
27	TRENTON AVE	408+00.00 TO 412+00.00	135.00			110.00
28	TRENTON AVE	412+00.00 TO 414+52.82	108.00			94.00
TOTALS			243.00			431.00

SUMMARY OF STRUCTURES

STR. NO.	STREET	STATION	DESCRIPTION	OFFSET	SIDE	ELEV. TOP MANHOLE OR GRATE	FLOWLINE ELEV.	FLOWLINE OUT	INNER STR. HEIGHT	INLET C/C I DES. NO. 2 COMPLETE IN PLACE 611(G)		ADD'L DEPTH IN INLET C/C I DES. NO. 2 611(H)		12" RCP COMPLETE IN PLACE 613(A)		15" RCP COMPLETE IN PLACE 613(A)		18" RCP COMPLETE IN PLACE 613(A)	
										EA	VF	LF	LF	LF	LF	EA	VF	LF	LF
1	ADMIRAL PL	100+09.00	DESTROYED INLET	14.20	LT	710.44	707.45	EXISTING 15" RCP	2.99	1.00									
2	ADMIRAL PL	101+48.65		12.73	RT	712.02	709.92	EXISTING 15" RCP	2.10	1.00									
3	ADMIRAL PL	101+48.75		9.29	LT	711.95	710.15	EXISTING 15" RCP	1.80	1.00									
4	ADMIRAL PL	106+35.00		13.00	RT	715.04	711.36	EXISTING 18" RCP	3.68	1.00	1.00								
5	ADMIRAL PL	106+55.07	DO NOT REPLACE - GAS LINE CONFLICT	9.26	LT	715.33	712.87	EXISTING 15" RCP	2.46										
6	ADMIRAL PL	113+01.28		13.16	RT	728.04	725.61	EXISTING 12" RCP	2.43	1.00									
7	QUINCY AVE	201+42.34		5.85	RT	709.89	706.78	EXISTING 4" & 12" RCP	3.11	1.00									
8	QUINCY AVE	201+42.48		18.03	LT	709.58	706.13	EXISTING 12" RCP	3.45	1.00									
9	ROCKFORD AVE	303+10.92	DO NOT REPLACE - GAS LINE CONFLICT	10.78	RT	714.76	712.05	EXISTING 15" RCP	2.71										
10	ROCKFORD AVE	303+43.00	DO NOT REPLACE - GAS LINE CONFLICT	10.40	RT	714.76	712.05	EXISTING 24" X 12" RCB	2.71										
11	TRENTON AVE	401+74.12	DO NOT REPLACE	13.56	RT	726.43	724.05	EXISTING 18" RCP	2.38										
12	TRENTON AVE	403+11.90	AREA INLET - DO NOT REPLACE	10.81	RT	728.24	724.58		3.66										
13	TRENTON AVE	403+43.26	AREA INLET - DO NOT REPLACE	22.00	LT	728.34	725.09		3.25										
14	TRENTON AVE	403+48.86	DO NOT REPLACE - GAS LINE CONFLICT	14.40	RT	727.80	725.00	EXISTING 15" RCP	2.80										
15	TRENTON AVE	403+61.40		25.25	LT	728.13	725.62	EXISTING 18" RCP	2.51	1.00									
16	TRENTON AVE	406+78.00	AREA INLET - DO NOT REPLACE	26.16	LT	732.86	729.51	EXISTING 18" RCP	3.35										
17	TRENTON AVE	406+80.41	AREA INLET - DO NOT REPLACE	13.06	RT	732.79	729.71	EXISTING 18" RCP	3.08										
18	TRENTON AVE	410+05.71	DO NOT REPLACE	12.98	RT	735.37	730.97	EXISTING 18" RCP	4.40										
19	TRENTON AVE	410+64.06	DO NOT REPLACE	25.54	LT	735.07	727.19	EXISTING 36" RCP	7.88										
20	TRENTON AVE	410+65.95	DO NOT REPLACE	6.07	RT	735.00	732.04	EXISTING 18" RCP	2.96										
21	TRENTON AVE	413+53.41	DO NOT REPLACE	4.84	RT	736.26	733.03	EXISTING 15" RCP	3.23										
22	TRENTON AVE	414+25.84	DO NOT REPLACE	4.69	RT	736.67	733.14	EXISTING 18" RCP	3.53										
TOTALS									8.00	1.00	6.00	6.00	6.00						



ROADWAY SUMMARY TABLES (2 OF 3)

MAINTENANCE ZONE 1007
PROJECT NO. 2036N1007Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS

PLANS PREPARED BY:
CITY OF TULSA

REVISION	BY	DATE	PLAN SCALE	DRAWN	APPROVED:
			1"=20'	DESIGNED	 CITY ENGINEER
				FIELD SURVEY	
			PROFILE SCALE	PROJECT MGR.	
			HORIZONTAL	LEAD ENGR. <i>RF</i> 11/22	
			VERTICAL	FIELD MGR. <i>RF</i> 10/24	
			1"=20'	RECOMMENDED	 CITY ENGINEER
			1"=5'	DESIGN MANAGER <i>RF</i> 12/24	
FILE: DRAWING:			DATE: 11/8/2025		
ATLAS PAGE NO: 4, 15			SHEET 11 OF 29 SHEETS		

SUMMARY OF SURFACING

SHEET NO.	STREET	STATION TO STATION	SOLID SLAB/SODDING 203(A)	AGGREGATE BASE TYPE A 303(A)	FABRIC REINFORCEMENT 409(A)	SUPERPAVE TYPE S4 (PG 64-22 OK) 411(C)	SUPERPAVE TYPE S6 (PG 64-22 OK) 411(E)	CONCRETE JOINT SEALING 415	COMBINED CURB & GUTTER (6" BARRIER) 609(B)	4" CONCRETE SIDEWALK 610(A)	MANHOLE ADJUSTED TO GRADE 612(E)	VALVE BOX ADJUSTED TO GRADE 612(E)	CURB/RAMP SPECIAL	SUBGRADE METHOD B 310(B)	SEPARATOR FABRIC 325
														SY	CY
16	ADMIRAL PL	100+19.44 TO 104+00.00	5.56	5.56	1,032.48	115.64	14.46		50.00	89.59				16.67	55.56
17	ADMIRAL PL	104+00.00 TO 108+00.00	5.56	5.56	1,071.74	120.04	15.01		50.00	262.67	1.00			16.67	55.56
18	ADMIRAL PL	108+00.00 TO 112+00.00	5.56	5.56	1,066.46	119.45	14.93		50.00	181.33				16.67	55.56
19	ADMIRAL PL	112+00.00 TO 116+00.00	5.56	15.10	1,073.93	120.29	15.04		50.00	241.22	3.00	1.00	4.00	16.67	55.56
20	ADMIRAL PL	116+00.00 TO 119+03.75	5.56	10.36	820.00	91.84	11.48		50.00	173.44	1.00	1.00	2.00	16.67	55.56
21	QUINCY AVE	200+10.98 TO 204+00.00	5.56	7.96	779.67	87.33	10.92		50.00		2.00		1.00	16.67	55.56
22	QUINCY AVE	204+00.00 TO 204+84.62	5.56	5.56	492.30	55.14	6.89		50.00					16.67	55.56
23	ROCKFORD AVE	300+10.95 TO 304+00.00	5.56	15.16	1,071.44	120.01	15.00		50.00	128.00	3.00		4.00	16.67	55.56
24	ROCKFORD AVE	304+00.00 TO 305+00.31	5.56	5.56	286.44	32.08	4.01		50.00					16.67	55.56
25	TRENTON AVE	400+09.91 TO 404+00.00	5.56	15.46	1,162.56	130.21	16.28	1,480.00	50.00	226.78	5.00		4.00	16.67	55.56
26	TRENTON AVE	404+00.00 TO 408+00.00	5.56	5.56	214.33	24.01	3.00	1,480.00	50.00	210.89				16.67	55.56
27	TRENTON AVE	408+00.00 TO 412+00.00	5.56	10.36	512.56	57.41	7.18	355.00	50.00	65.00			2.00	16.67	55.56
28	TRENTON AVE	412+00.00 TO 414+52.82	5.56	7.96	931.22	104.30	13.04		50.00	94.22	2.00		1.00	16.67	55.56
TOTALS			72.22	115.92	10,515.14	1,177.75	147.22	3,315.00	650.00	1,673.14	17.00	2.00	18.00	216.67	727.22

SUMMARY OF PATCHING

SHEET NO.	STREET	STATION TO STATION	UNCLASSIFIED EXCAVATION 203(A)	AGGREGATE BASE TYPE A 303(A)	SUBGRADE METHOD B 310(B)	SEPARATOR FABRIC 325	SUPERPAVE TYPE S4 (PG 64-22 OK) 411(C)	SUPERPAVE TYPE S6 (PG 64-22 OK) 411(E)	TYPE 1 APC PATCH SPECIAL
16	ADMIRAL PL	100+19.44 TO 104+00.00	90.34	51.62	154.87	216.82	17.35	2.17	38.72
17	ADMIRAL PL	104+00.00 TO 108+00.00	93.78	53.59	160.76	225.07	18.01	2.25	40.19
18	ADMIRAL PL	108+00.00 TO 112+00.00	93.32	53.32	159.97	223.96	17.92	2.24	39.99
19	ADMIRAL PL	112+00.00 TO 116+00.00	93.97	53.70	161.09	225.53	18.04	2.26	40.27
20	ADMIRAL PL	116+00.00 TO 119+03.75	71.75	41.00	123.00	172.20	13.78	1.72	30.75
21	QUINCY AVE	200+10.98 TO 204+00.00	68.22	38.98	116.95	163.73	13.10	1.64	29.24
22	QUINCY AVE	204+00.00 TO 204+84.62	43.08	24.62	73.85	103.38	8.27	1.03	18.46
23	ROCKFORD AVE	300+10.95 TO 304+00.00	93.75	53.57	160.72	225.00	18.00	2.25	40.18
24	ROCKFORD AVE	304+00.00 TO 305+00.31	25.06	14.32	42.97	60.15	4.81	0.60	10.74
25	TRENTON AVE	400+09.91 TO 404+00.00	101.72	58.13	174.38	244.14	19.53	2.44	43.60
26	TRENTON AVE	404+00.00 TO 408+00.00	18.75	10.72	32.15	45.01	3.60	0.46	8.00
27	TRENTON AVE	408+00.00 TO 412+00.00	44.85	25.63	76.88	107.64	8.61	1.08	18.00
28	TRENTON AVE	412+00.00 TO 414+52.82	81.48	46.56	139.68	195.56	15.65	1.96	35.00
TOTALS			371.40	212.23	636.69	891.37	71.31	8.91	96.99

**PATCH LOCATION, SIZE, AND EXTENTS TO BE DETERMINED IN FIELD BY CONTRACTOR BEFORE CONSTRUCTION AND NOT TO EXCEED THIS AMOUNT.

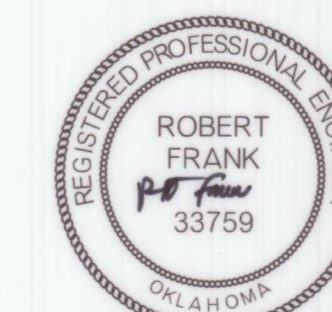
SUMMARY OF PATCHES

SHEET NO.	STREET	STATION TO STATION	UNCLASSIFIED EXCAVATION	303(A) AGGREGATE BASE TYPE A	310(B) SUBGRADE METHOD B	325 SEPARATOR FABRIC	411(C) SUPERPAVE TYPE S4 (PG 70-28 OK)	411(E) SUPERPAVE TYPE S5 (PG 64-22 OK)	SPECIAL TYPE 1 APC PATCH	SPECIAL TYPE 1 PCC PATCH
16	ADMIRAL PL	100+19.44 TO 104+00.00	30.11	17.21	51.62	72.27	5.78	0.72	12.91	0.00
17	ADMIRAL PL	104+00.00 TO 108+00.00	31.26	17.86	53.59	75.02	6.00	0.75	13.40	0.00
18	ADMIRAL PL	108+00.00 TO 112+00.00	31.11	17.77	53.32	74.65	5.97	0.75	13.33	0.00
19	ADMIRAL PL	112+00.00 TO 116+00.00	31.32	17.90	53.70	75.18	6.01	0.75	13.42	0.00
20	ADMIRAL PL	116+00.00 TO 119+03.75	23.92	13.67	38.98	54.58	4.37	0.55	9.75	0.00
21	QUINCY AVE	200+10.98 TO 204+00.00	22.74	12.99	24.62	34.46	2.76	0.34	6.15	0.00
22	QUINCY AVE	204+00.00 TO 204+84.62	14.36	8.21	53.57	75.00	6.00	0.75	13.39	0.00
23	ROCKFORD AVE	300+10.95 TO 304+00.00	31.25	17.86	53.57	75.00	6.00	0.75	13.39	0.00
24	ROCKFORD AVE	304+00.00 TO 305+00.31	8.35	4.77	14.32	20.05	1.60	0.20	3.58	0.00
25	TRENTON AVE	400+09.91 TO 404+00.00	33.91	19.38	58.13	81.38	6.51	0.81	14.53	0.00
26	TRENTON AVE	404+00.00 TO 408+00.00	6.25	3.57	10.72	15.00	1.20	0.15	2.68	0.00
26	TRENTON AVE	404+73.00 TO 408+00.00	50.87	29.07	87.20	122.08			21.80	17.29
27	TRENTON AVE	408+00.00 TO 410+59.31	40.34	23.05	69.15	96.81			6.41	0.00
27	TRENTON AVE	410+59.31 TO 412+00.00	14.95	8.54	25.63	35.88	2.87	0.36	6.41	0.00
27	TRENTON AVE	412+00.00 TO 414+52.82	27.16	15.52	46.56	65.19	5.22	0.65	11.64	0.00
28	TRENTON AVE	414+52.82 TO 418+00.00	27.16	15.52	46.56	65.19	5.22	0.65	11.64	0.00
TOTALS			397.90	227.37	682.11	954.95	58.89	7.36	131.99	39.00

** PATCH LOCATION, SIZE, AND EXTENTS TO BE DETERMINED IN FIELD BY CONTRACTOR BEFORE CONSTRUCTION AND NOT TO EXCEED THIS AMOUNT.

SUMMARY OF REMOVALS

SHEET NO.	STREET	STATION TO STATION	COLD MILLING 412	REMOVAL OF SIDEWALK 619(B)	REMOVAL OF CURB 619(B)	REMOVAL OF CURB/RAMP 619(B)
16	ADMIRAL PL	100+19.44 TO 104+00.00	1,032.48	89.59	50.00	
17	ADMIRAL PL	104+00.00 TO 108+00.00	1,071.74	262.67	50.00	
18	ADMIRAL PL	108+00.00 TO 112+00.00	1,066.46	181.33	50.00	
19	ADMIRAL PL	112+00.00 TO 116+00.00	1,073.93	241.22	50.00	1.00
20	ADMIRAL PL	116+00.00 TO 119+03.75	820.00	173.44	50.00	
21	QUINCY AVE	200+10.98 TO 204+00.00	779.67	0.00	50.00	
22	QUINCY AVE	204+00.00 TO 204+84.62	492.30	0.00	50.00	
23	ROCKFORD AVE	300+10.95 TO 304+00.00	1,071.44	128.00	50.00	2.00
24	ROCKFORD AVE	304+00.00 TO 305+00.31	286.44	0.00	50.00	
25	TRENTON AVE	400+09.91 TO 404+00.00	1,162.56	226.78	50.00	1.00
26	TRENTON AVE	404+00.00 TO 408+00.00	214.33	210.89	50.00	
27	TRENTON AVE	408+00.00 TO 412+00.00	512.56	65.00	50.00	
28	TRENTON AVE	412+00.00 TO 414+52.82	931.22	94.22	50.00	
TOTALS			10,515.14	1,673.14	650.00	4.00



ROADWAY SUMMARY TABLES
(3 OF 3)

MAINTENANCE ZONE 1007
PROJECT NO. 2036N1007Z

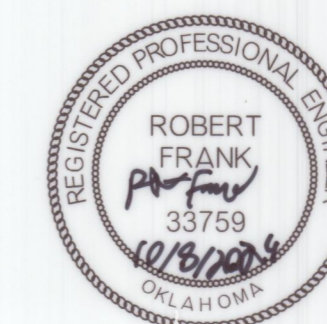
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS

PLANS PREPARED BY:

CITY OF TULSA


REVISION	BY	DATE	PLAN SCALE	DRAWN	APPROVED:
			1"=20'	DESIGNED	
				FIELD SURVEY	
			PROFILE SCALE	PROJECT MGR.	
			HORIZONTAL	LEAD ENGR. <i>11/24</i>	
			1"=20'	FIELD MGR. <i>Jan 10/24</i>	
			VERTICAL	RECOMMENDED: <i>4/12/24</i>	CITY ENGINEER
			1"=4'	DESIGN MANAGER	
FILE:			DRAWING:	DATE: <i>11/8/2025</i>	
ATLAS PAGE NO:			4, 15	SHEET 12 OF 29 SHEETS	

WATERLINE SCHEDULE OF PAY QUANTITIES					
ITEM NO.	SPEC NO.	DESCRIPTION	UNITS	QUANTITY	SHEET NO. 29
50	COT 301	RIGHT-OF-WAY CLEARING AND RESTORING, COMPLETE IN PLACE	SY	533	533
54	COT 302	EXCAVATION AND BACKFILL, UNCLASSIFIED	CY	400	400
57	303(A)	AGGREGATE BASE	CY	5	5
57	COT 303	MOBILIZATION	EA	1	1
57	COT 304	CONSTRUCTION STAKING	EA	1	1
55	COT 307	6 INCH DIP, CL51 POLYETHYLENE WRAPPED (RJ)	LF	216	216
56	COT 307	6 INCH X 6 INCH DUCTILE IRON TEE (RJ)	EA	1	1
57	COT 312	6 INCH DUCTILE IRON SLEEVE (RJ)	EA	2	2
58	COT 312	6 INCH DUCTILE IRON 45 DEGREE BEND (RJ)	EA	4	4
59	COT 312	6 INCH DUCTILE IRON PLUG W/ 2 INCH TAP (RJ)	EA	1	1
60	COT 315	2 INCH WATER SERVICE CONNECTION (LONG)	EA	1	1
61	COT 315	2 INCH WATER METER CAN, LID & RIM	EA	1	1
62	COT 317	6 INCH GATE VALVE (RJ)	EA	1	1
63	COT 317	3-WAY FIRE HYDRANT, IN PLACE	EA	1	1
64	COT 329	PAVEMENT, REMOVAL AND REPLACEMENT (ASPHALT)	SY	165	165
65	COT 333	WATERLINE ABANDONMENT	EA	1	1
66	609(B)	COMBINED CURB & GUTTER (6" BARRIER)	LF	50	50
67	610(A)	CONCRETE SIDEWALK (4")	SY	9	9
68	610(B)	CONCRETE DRIVEWAY (H.E.S)	SY	31	31
69	612(A)	MANHOLE ADJUSTED TO GRADE	EA	1	1
70	619(B)	REMOVAL OF SIDEWALK	SY	31	31
71	COT 334	CONSTRUCTION AS-BUILT	EA	1	1
72	COT 335	CONTRACTOR'S QUALITY CONTROL	LSUM	1	1
73	SPECIAL	OWNER ALLOWANCE	EA	5000	5,000



SCHEDULE OF WATERLINE QUANTITIES
 MAINTENANCE ZONE 1007
 PROJECT NO. 2036N1007Z
 CITY OF TULSA, OKLAHOMA
 PUBLIC WORKS

PLANS PREPARED BY:
 CITY OF TULSA

REVISION	BY	DATE	PLAN SCALE	DRAWN	APPROVED:
			1"=20'	DESIGNED	 CITY ENGINEER
				FIELD SURVEY	
			PROFILE SCALE	PROJECT MGR.	
			HORIZONTAL	LEAD ENGR.	
			1"=20'	FIELD MGR. <i>Tom 10/24</i>	
			VERTICAL	RECOMMENDED: <i>HBJ 12.24</i>	
			1"=5'	DESIGN MANAGER	
			FILE:	DRAWING:	DATE: <i>10/20/2015</i>
			ATLAS PAGE NO: 4, 15		SHEET 13 OF 29 SHEETS

STORM WATER MANAGEMENT PLAN

SITE DESCRIPTION

EROSION AND SEDIMENT CONTROLS

PROJECT LIMITS: LOCATION MAP IS PROVIDED ON COVER SHEET OF THESE DRAWINGS

PROJECT DESCRIPTION: NON-ARTERIAL STREET REHABILITATION, PAVEMENT RECONSTRUCTION, MILL & OVERLAY, DRIVEWAY REPLACEMENT, SIDEWALK REPLACEMENT, CURB AND GUTTER REPLACEMENTS, WATER LINE INSTALLATION, CURB INLET REPLACEMENTS, AND ADEQUATE EROSION CONTROL ALONG PROJECT STREETS.

- SUGGESTED SEQUENCE OF EROSION CONTROL ACTIVITIES:
1. PLACE TEMPORARY SEDIMENT CONTROL DEVICES AT DRAINAGE LOCATIONS AND AT LOCATIONS ALONGSIDE AND DOWN SLOPE OF PROPOSED CONSTRUCTION ACTIVITY.
 2. PERFORM STREET REHABILITATION & RECONSTRUCTION, INLET REPLACEMENT, AND UTILITY INSTALLATION.
 3. PLACE PERMANENT EROSION CONTROL DEVICES ON FINISHED PROJECT AREAS. REMOVE TEMPORARY EROSION CONTROL WHEN PERMANENT EROSION CONTROL IS ESTABLISHED.
 4. THE CONTRACTOR MAY CHOOSE TO MODIFY THE TYPE OR ARRANGEMENT OF SPECIFIED PRACTICES TO IMPROVE THEIR EFFECTIVENESS AS APPROVED BY THE ENGINEER.
 5. THE CONTRACTOR SHALL MAINTAIN A LOG OF THE DATES OF MAJOR SOIL DISTURBANCE ACTIVITIES AND ALSO THE DATES OF INSTALLATION OF EROSION CONTROL MEASURES.

SOIL TYPE: URBAN LAND-DENNIS COMPLEX

TOTAL AREA OF THE CONSTRUCTION SITE: 6.0 ACRE

ESTIMATED AREA TO BE DISTURBED: UP TO 6.0 ACRE

OFFSITE AREA TO BE DISTURBED: AT CONTRACTOR'S DISCRETION
(FOR CONTRACTOR USE)

TOTAL IMPERVIOUS AREA PRE-CONSTRUCTION: UP TO 5.0 ACRES

TOTAL IMPERVIOUS AREA POST-CONSTRUCTION: SAME

POST-CONSTRUCTION RUNOFF COEFFICIENT OF THE SITE: EQUIVALENT TO PRE-CONSTRUCTION COEFFICIENT

LATITUDE & LONGITUDE OF CENTER OF PROJECT: 36.160694, -95.970764

PROJECT WILL DISCHARGE TO:

NAME OF RECEIVING WATERS: ARKANSAS RIVER

SENSITIVE WATERS OR WATERSHEDS: YES NO

303 (d) IMPAIRED WATERS: YES NO

IF YES, LIST IMPAIRMENT: TURBIDITY

LOCATED IN A FLOOD PLAIN: YES NO

IS THE PROJECT LOCATED IN A FLOOD PLAIN: YES NO

IS THE PROJECT LOCATED IN A FLOOD PLAIN: YES NO

IS THE PROJECT LOCATED IN A FLOOD PLAIN: YES NO

THIS SHEET SHOULD ALSO BE USED WITH THE EROSION CONTROL SUMMARIES, PAY ITEMS, & NOTES.

REVISED: 11/10/2021

SOIL STABILIZATION PRACTICES:

- TEMPORARY SEEDING
- PERMANENT SODDING, SPRIGGING OR SEEDING
- VEGETATIVE MULCHING
- SOIL RETENTION BLANKET
- 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
- TEMPORARY SEDIMENT REMOVAL
- RIP RAP
- INLET SEDIMENT FILTER
- TEMPORARY BRUSH SEDIMENT BARRIERS
- SANDBAG BERMS
- TEMPORARY STREAM CROSSINGS

OFFSITE VEHICLE TRACKING:

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

NOTES:

- CONTRACTOR TO REMOVE SEDIMENT WHEN TEMPORARY DEVICES ARE HALF FULL OR AS DIRECTED BY THE ENGINEER.

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, DRAINAGE WAYS, 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:

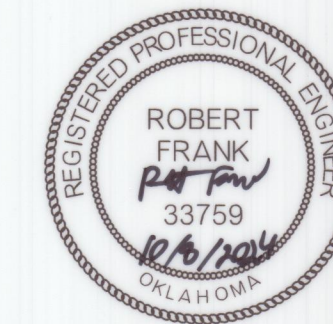
A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IS REQUIRED TO COMPLY WITH THE OKLAHOMA POLLUTION DISCHARGE ELIMINATION SYSTEM (OPDES) REGULATIONS. THIS PLAN IS INITIATED DURING THE DESIGN PHASE, CONFIRMED IN THE PRE-WORK MEETINGS AND AVAILABLE ON THE JOB SITE ALONG WITH COPIES OF THE NOTICE OF INTENT (NOI) FORM AND PERMIT CERTIFICATE THAT HAVE BEEN FILED WITH THE OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY (ODEQ). THE PLAN MUST BE 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.



STORMWATER MANAGEMENT PLAN

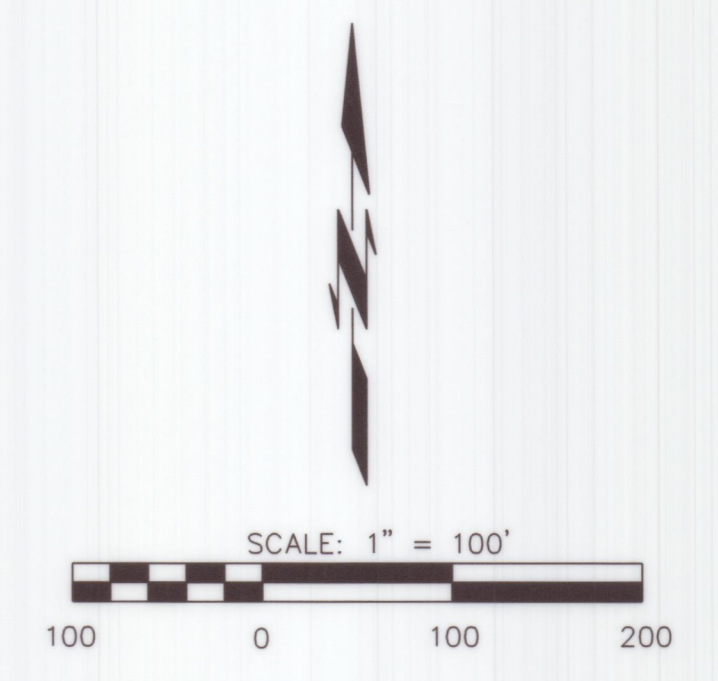
MAINTENANCE ZONE 1007
PROJECT NO. 2036N1007Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS

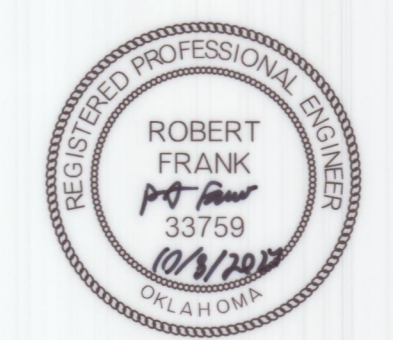
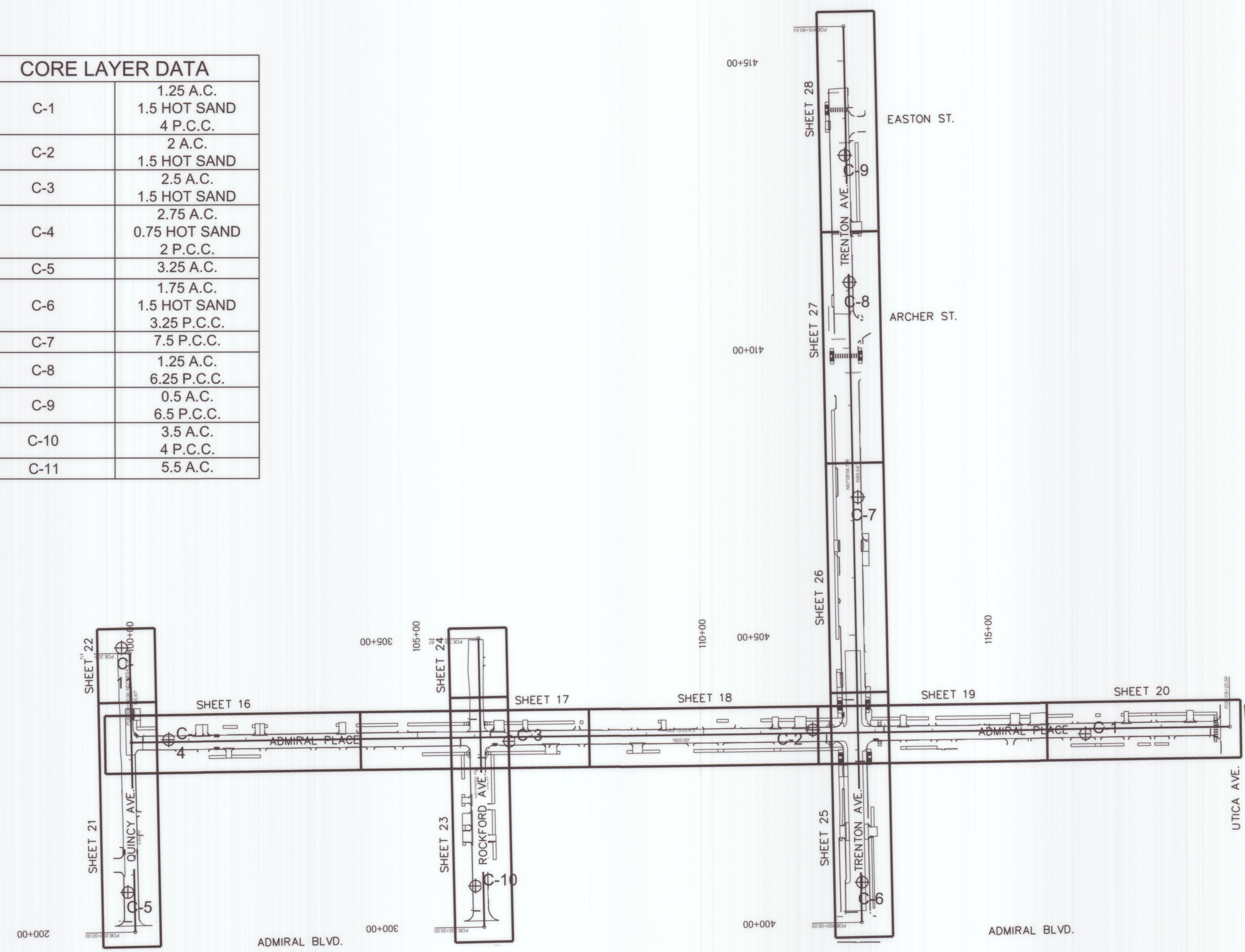
PLANS PREPARED BY:
CITY OF TULSA

REVISION	BY	DATE	PLAN SCALE	DRAWN	APPROVED:
			1"=20'	DESIGNED	
				FIELD SURVEY	
			PROFILE SCALE	PROJECT MGR.	
			HORIZONTAL	LEAD ENGR. <i>11/24</i>	
			VERTICAL	FIELD MGR. <i>10/24</i>	
			1"=5'	RECOMMENDED <i>HAS 12-24</i>	
			FILE:	DESIGN MANAGER	CITY ENGINEER <i>Tobal</i>
			DRAWING:		DATE <i>11/8/2025</i>
			ATLAS PAGE NO:	4, 15	SHEET 14 OF 29 SHEETS

CORE LAYER DATA	
C-1	1.25 A.C. 1.5 HOT SAND 4 P.C.C.
C-2	2 A.C. 1.5 HOT SAND
C-3	2.5 A.C. 1.5 HOT SAND
C-4	2.75 A.C. 0.75 HOT SAND 2 P.C.C.
C-5	3.25 A.C.
C-6	1.75 A.C. 1.5 HOT SAND 3.25 P.C.C.
C-7	7.5 P.C.C.
C-8	1.25 A.C. 6.25 P.C.C.
C-9	0.5 A.C. 6.5 P.C.C.
C-10	3.5 A.C. 4 P.C.C.
C-11	5.5 A.C.

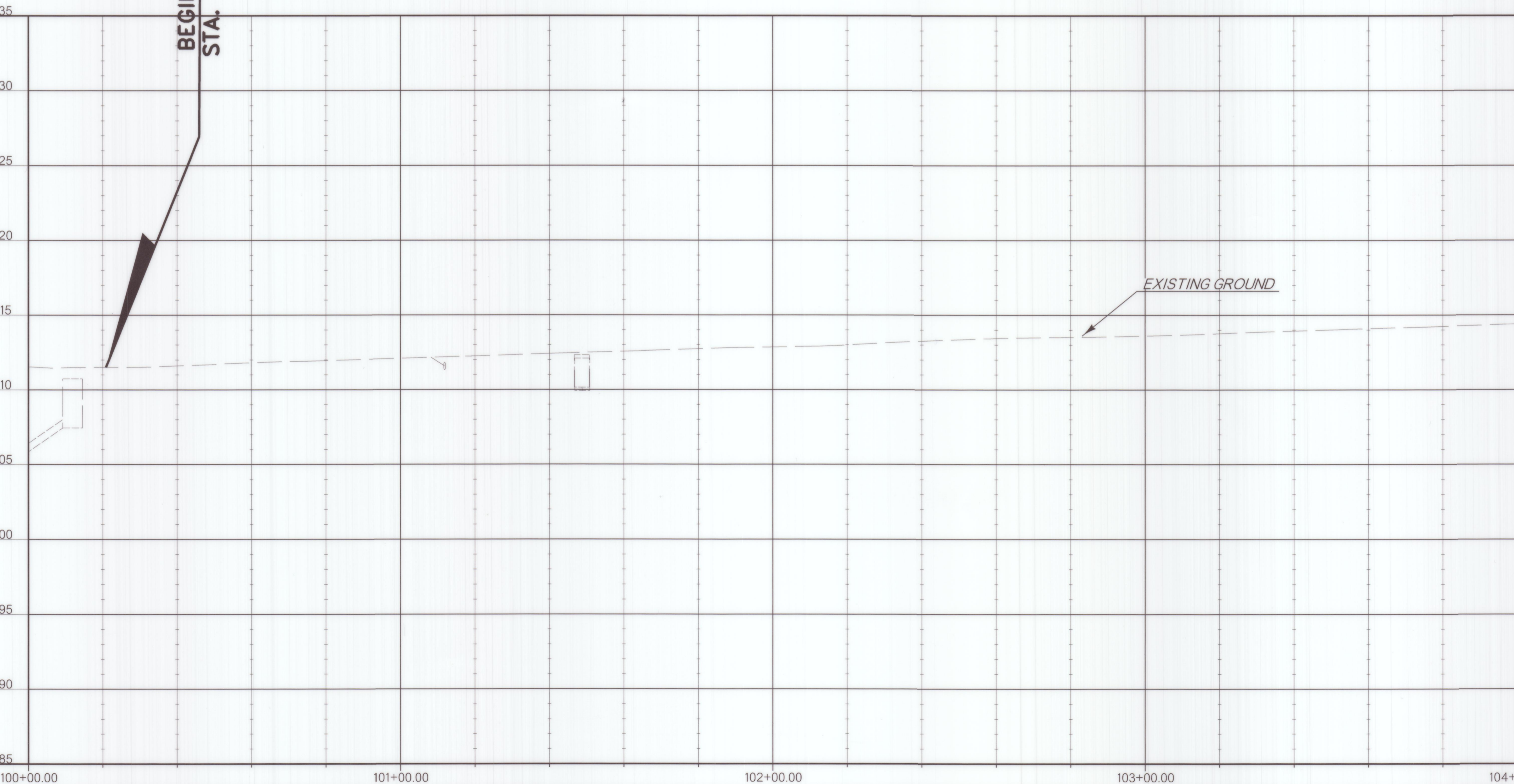
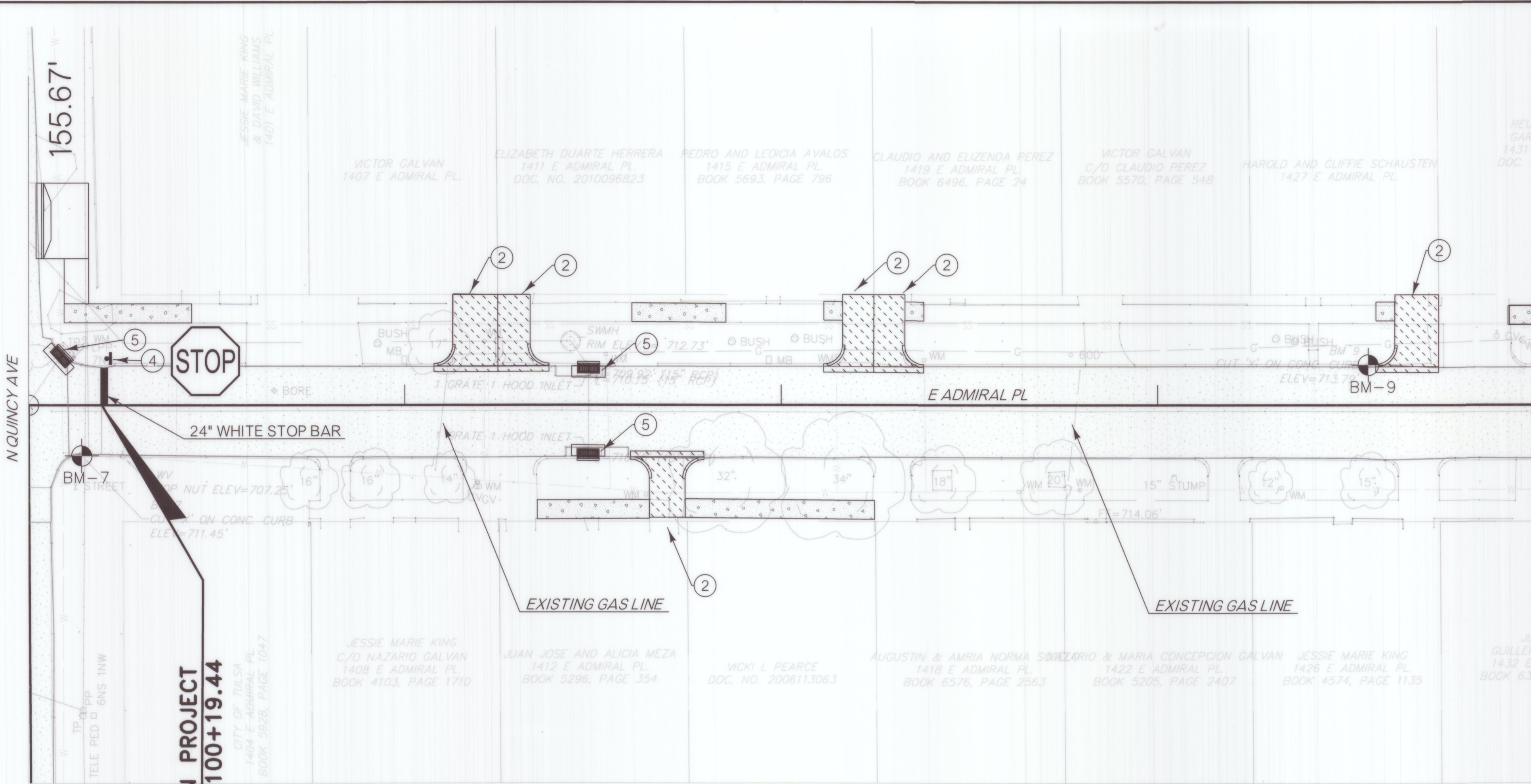


Legend
 C-1 BORING LOCATION



PROJECT KEY MAP
 MAINTENANCE ZONE 1007
 PROJECT NO. 2036N1007Z
 CITY OF TULSA, OKLAHOMA
 PUBLIC WORKS
 PLANS PREPARED BY:
 CITY OF TULSA

REVISION	BY	DATE	PLAN SCALE	DRAWN	APPROVED:
			1"=20'	DESIGNED	 CITY ENGINEER
				FIELD SURVEY	
			PROFILE SCALE	PROJECT MGR.	
			HORIZONTAL 1"=20'	LEAD ENGR. 1/16/24	
			VERTICAL 1"=5'	FIELD MGR. 10/24 RECOMMENDED: 11/8/24	
				DESIGN MANAGER	
			FILE:	DRAWING:	DATE: 11/8/2025
			ATLAS PAGE NO:	4, 15	SHEET 15 OF 29 SHEETS



BM-7 ADMIRAL PLACE STA. 100+19.13, 12.36' RT. CUT 'X' ON CONC. CURB N = 428709.048 E = 2566647.215 EL = 711.45	BM-9 ADMIRAL PLACE STA. 103+61.08, 11.38' LT. CUT 'X' ON CONC. CURB N = 428737.452 E = 2566988.815 EL = 713.79
--	--

104+00.0000



- LEGEND**
- ① MANHOLE ADJUSTED TO GRADE
 - ② REMOVE & REPLACE 6" P.C.C. DRIVEWAY
 - ③ INSTALL CURB RAMP
 - ④ INSTALL SIGN
 - ⑤ REPLACE INLET
 - ⑥ REMOVE CURB RAMP
 - ⑦ VALVE BOX ADJUSTED TO GRADE

- MILL AND OVERLAY
- CONCRETE SIDEWALK
- 6" CONCRETE DRIVE
- CONCRETE JOINT SEALING

BM #1 BENCHMARK
CAUTION:
 BOTH OVERHEAD AND UNDERGROUND UTILITIES EXIST WITHIN THE LIMITS OF CONSTRUCTION.
 UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES BEFORE CONSTRUCTION ACTIVITIES.



ADMIRAL PL (1 OF 5)
MAINTENANCE ZONE 1007
PROJECT NO. 2036N1007Z
CITY OF TULSA, OKLAHOMA
 PUBLIC WORKS

PLANS PREPARED BY: **CITY OF TULSA**

REVISION	BY	DATE	PLAN SCALE	DRAWN	APPROVED:
			1"=20'	DESIGNED	
				FIELD SURVEY	
			PROFILE SCALE	PROJECT MGR.	
			HORIZONTAL	LEAD ENGR. <i>[Signature]</i> 11/24	
			1"=20'	FIELD MGR. <i>[Signature]</i> 10/24	
			VERTICAL	RECOMMENDED <i>[Signature]</i> 12-24	
			1"=5'	DESIGN MANAGER	CITY ENGINEER
			FILE: DRAWING:	DATE: 11/8/2025	
			ATLAS PAGE NO: 4, 15	SHEET 16 OF 29 SHEETS	

10/4/2024

104+00.0000

108+00.0000

BM-10
ADMIRAL PLACE
STA. 106+30.52, 22.38' RT.
CUT 'X' ON CONC. SIDEWALK
N = 428707.370
E = 2567258.687
EL = 715.51

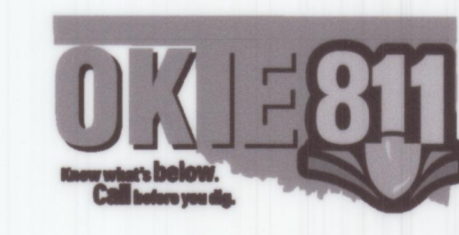


- LEGEND**
- ① MANHOLE ADJUSTED TO GRADE
 - ② REMOVE & REPLACE 6" P.C.C. DRIVEWAY
 - ③ INSTALL CURB RAMP
 - ④ INSTALL SIGN
 - ⑤ REPLACE INLET
 - ⑥ REMOVE CURB RAMP
 - ⑦ VALVE BOX ADJUSTED TO GRADE

- MILL AND OVERLAY
- CONCRETE SIDEWALK
- 6" CONCRETE DRIVE
- CONCRETE JOINT SEALING

BENCHMARK

CAUTION:
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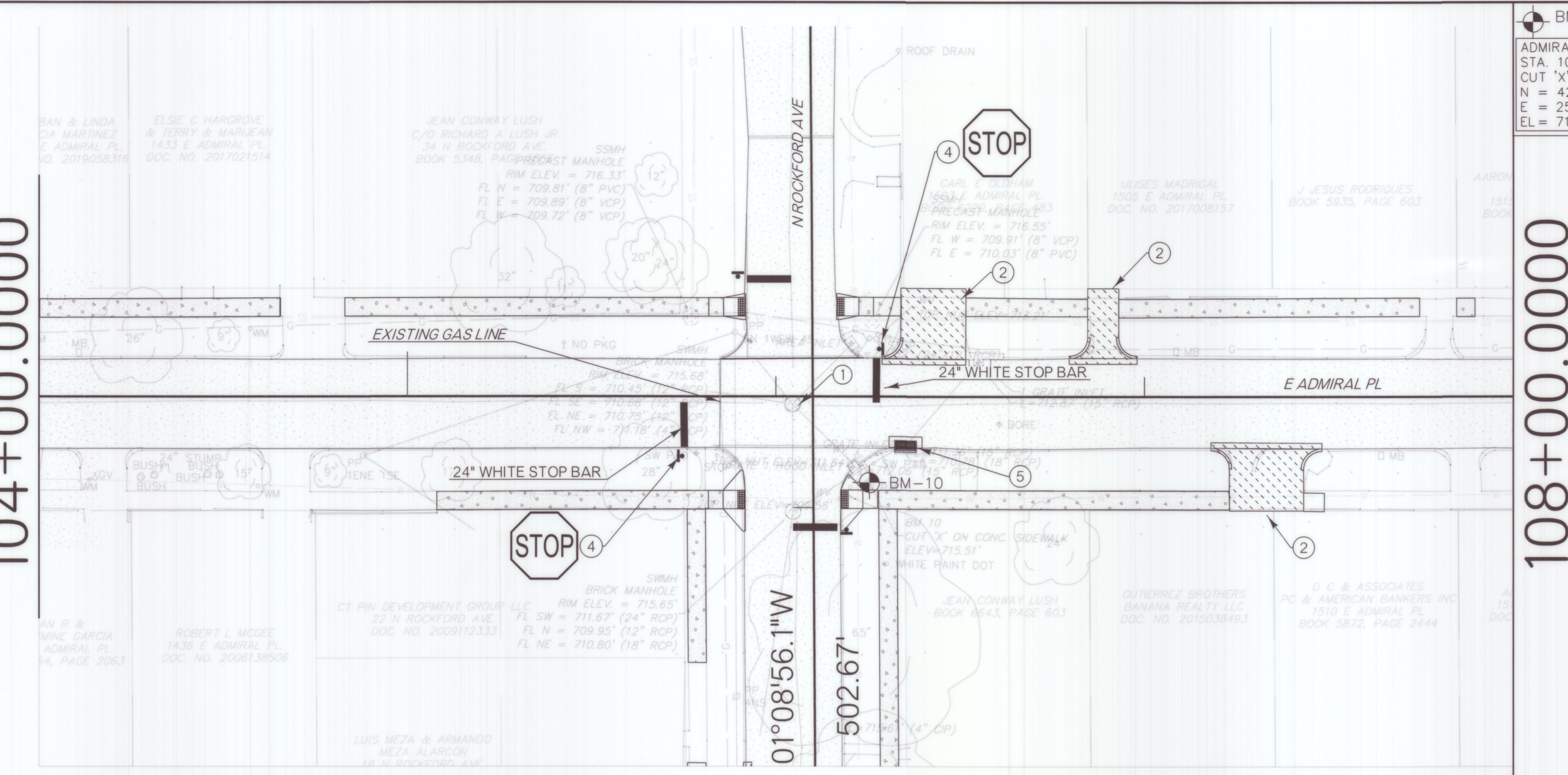
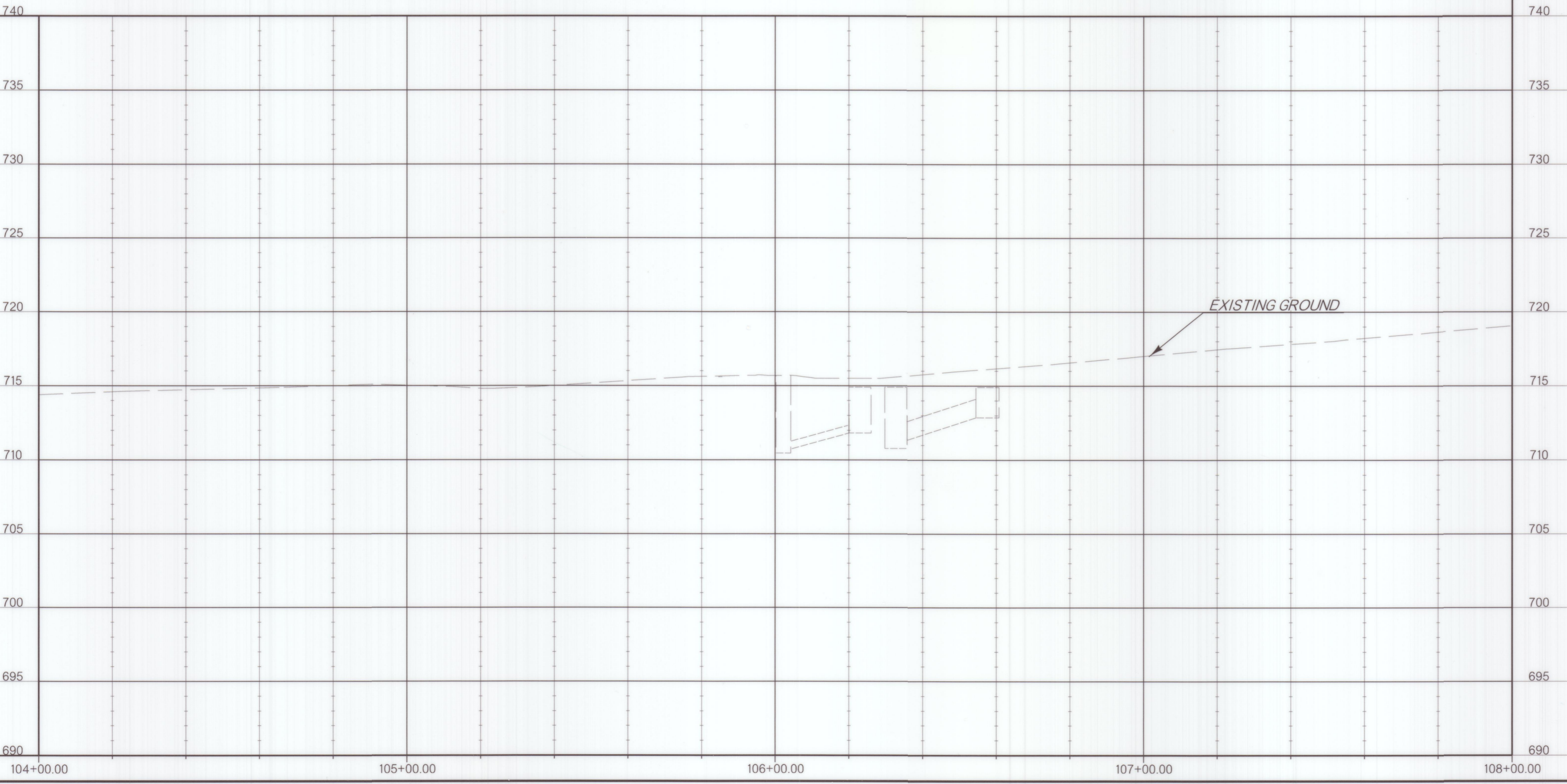


ADMIRAL PL (2 OF 5)
MAINTENANCE ZONE 1007
PROJECT NO. 2036N1007Z
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS

PLANS PREPARED BY: CITY OF TULSA

REVISION	BY	DATE	PLAN SCALE	DRAWN	APPROVED:
			1"=20'	DESIGNED	
				FIELD SURVEY	
			PROFILE SCALE	PROJECT MGR.	
			HORIZONTAL	LEAD ENGR. <i>[Signature]</i> 11/24	
			1"=20'	FIELD MGR. <i>[Signature]</i> 10/14	
			VERTICAL	RECOMMENDED	
			1"=5'	DESIGN MANAGER <i>[Signature]</i> 11/24	
			FILE:	DRAWING:	DATE 11/8/2025
			ATLAS PAGE NO: 4, 15		SHEET 17 OF 29 SHEETS

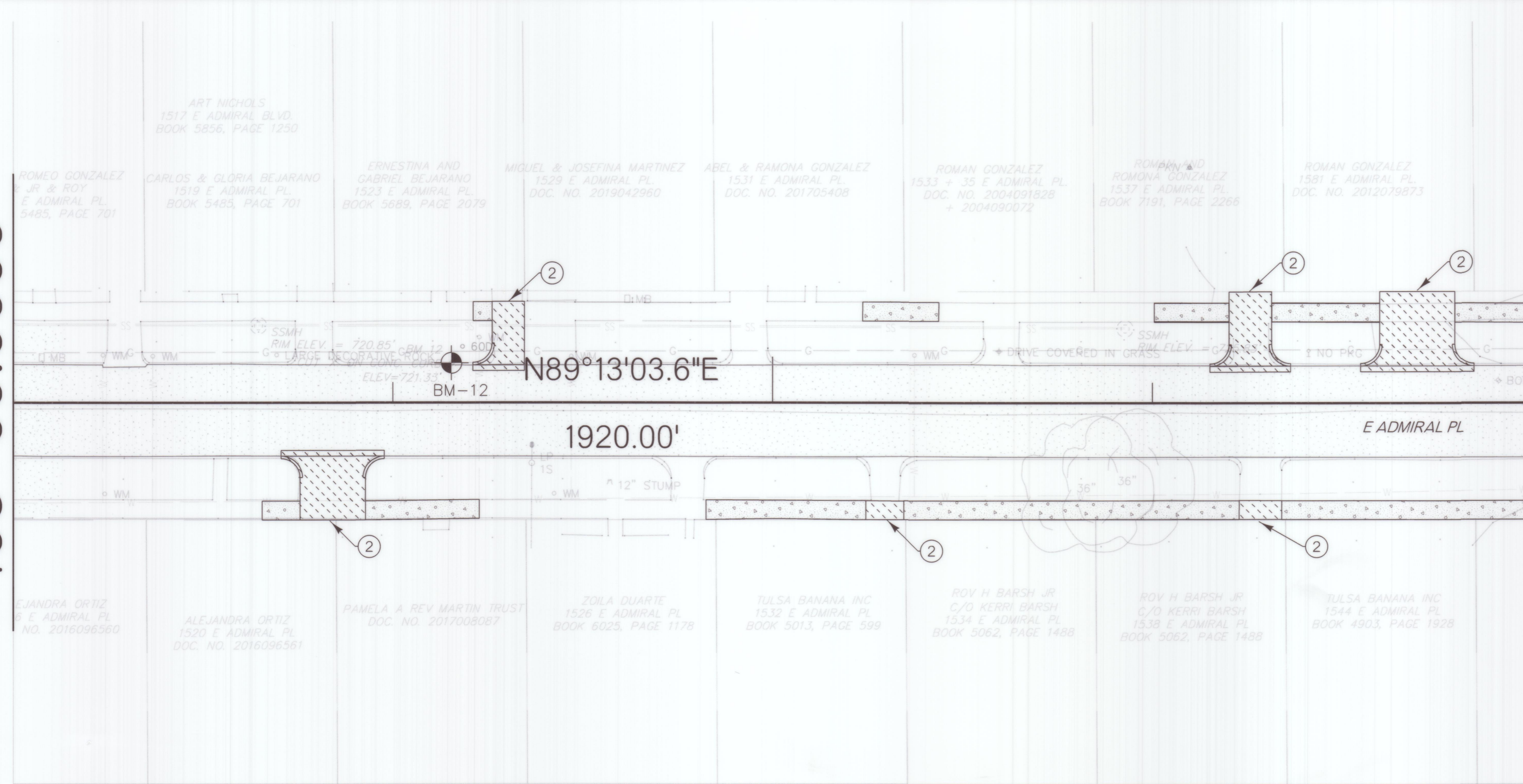
10/4/2024



108+00.0000

112+00.0000

BM-12
ADMIRAL PLACE
STA. 109+20.46, 10.97' LT.
CUT 'X' ON CONC. CURB
N = 428744.675
E = 2567548.140
EL = 721.33

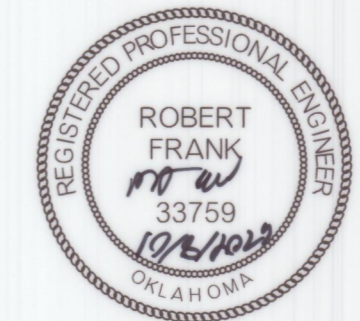


- LEGEND**
- ① MANHOLE ADJUSTED TO GRADE
 - ② REMOVE & REPLACE 6" P.C.C. DRIVEWAY
 - ③ INSTALL CURB RAMP
 - ④ INSTALL SIGN
 - ⑤ REPLACE INLET
 - ⑥ REMOVE CURB RAMP
 - ⑦ VALVE BOX ADJUSTED TO GRADE

- MILL AND OVERLAY
- CONCRETE SIDEWALK
- 6" CONCRETE DRIVE
- CONCRETE JOINT SEALING

BM#1 BENCHMARK

CAUTION:
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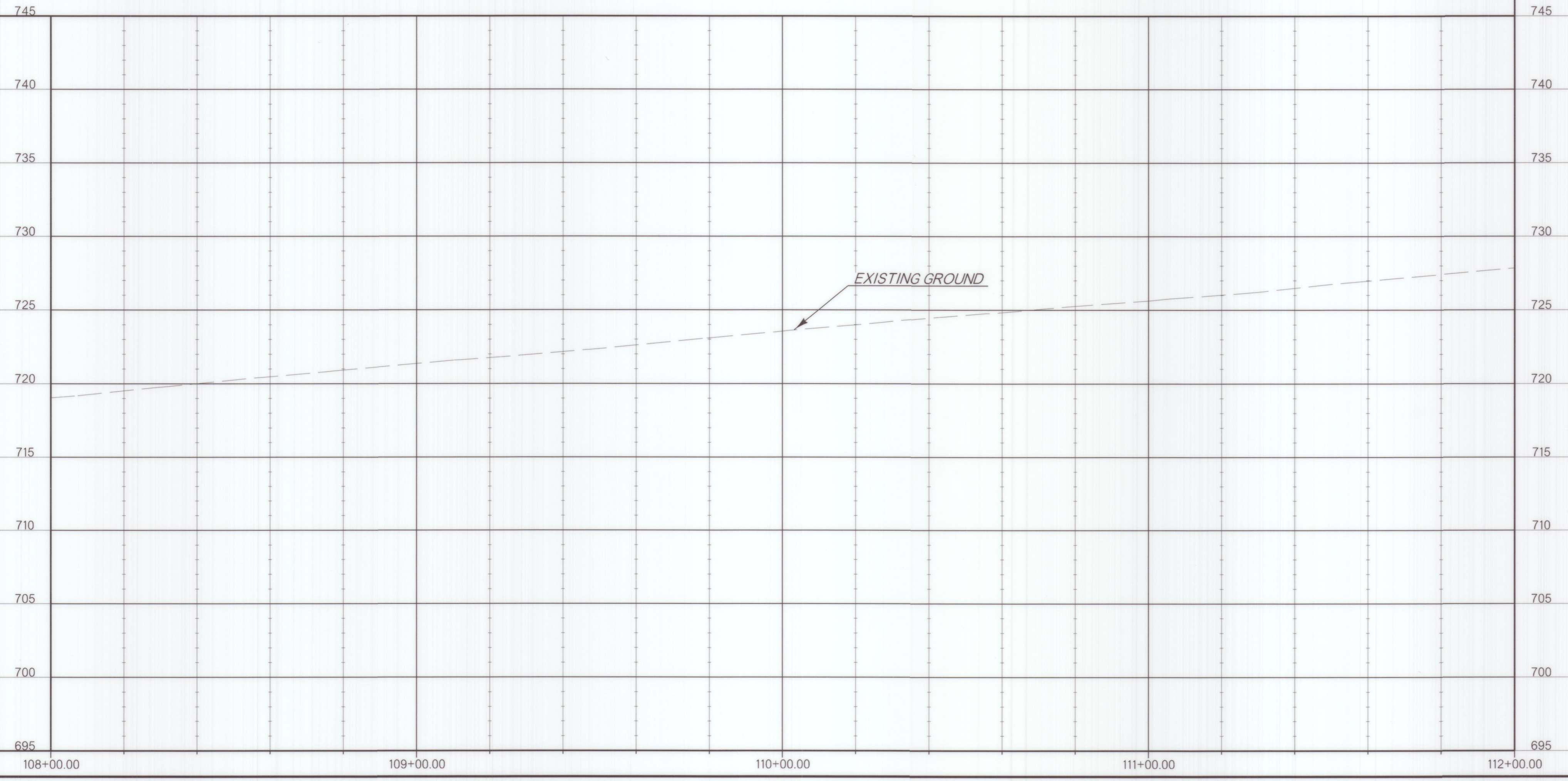


ADMIRAL PL (3 OF 5)
MAINTENANCE ZONE 1007
PROJECT NO. 2036N1007Z
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS

PLANS PREPARED BY:
CITY OF TULSA

REVISION	BY	DATE	PLAN SCALE	DRAWN	APPROVED:
			1"=20'	DESIGNED	
				FIELD SURVEY	
			PROFILE SCALE	PROJECT MGR.	
			HORIZONTAL	LEAD ENGR. <i>11/23/24</i>	
			1"=20'	FIELD MGR. <i>12/16/24</i>	
			VERTICAL	RECOMMENDED <i>11/23/24</i>	
			1"=5'	DESIGN MANAGER	
FILE:			DRAWING:		DATE <i>1/8/2025</i>
ATLAS PAGE NO:			4, 15		SHEET 18 OF 29 SHEETS

10/4/2024



112+00.0000

116+00.0000

BM-3
ADMIRAL PLACE
STA. 112+46.04, 18.31' LT.
CUT 'X' ON CONC. CURB
N = 428756.462
E = 2567873.596
EL = 728.78



LEGEND

- ① MANHOLE ADJUSTED TO GRADE
- ② REMOVE & REPLACE 6" P.C.C. DRIVEWAY
- ③ INSTALL CURB RAMP
- ④ INSTALL SIGN
- ⑤ REPLACE INLET
- ⑥ REMOVE CURB RAMP
- ⑦ VALVE BOX ADJUSTED TO GRADE

- MILL AND OVERLAY
- CONCRETE SIDEWALK
- 6" CONCRETE DRIVE
- CONCRETE JOINT SEALING

BM#1 BENCHMARK

CAUTION:
BOTH OVERHEAD AND UNDERGROUND UTILITIES EXIST WITHIN THE LIMITS OF CONSTRUCTION.
UTILITIES SHOWN ARE APPROXIMATE.
CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES BEFORE CONSTRUCTION ACTIVITIES.

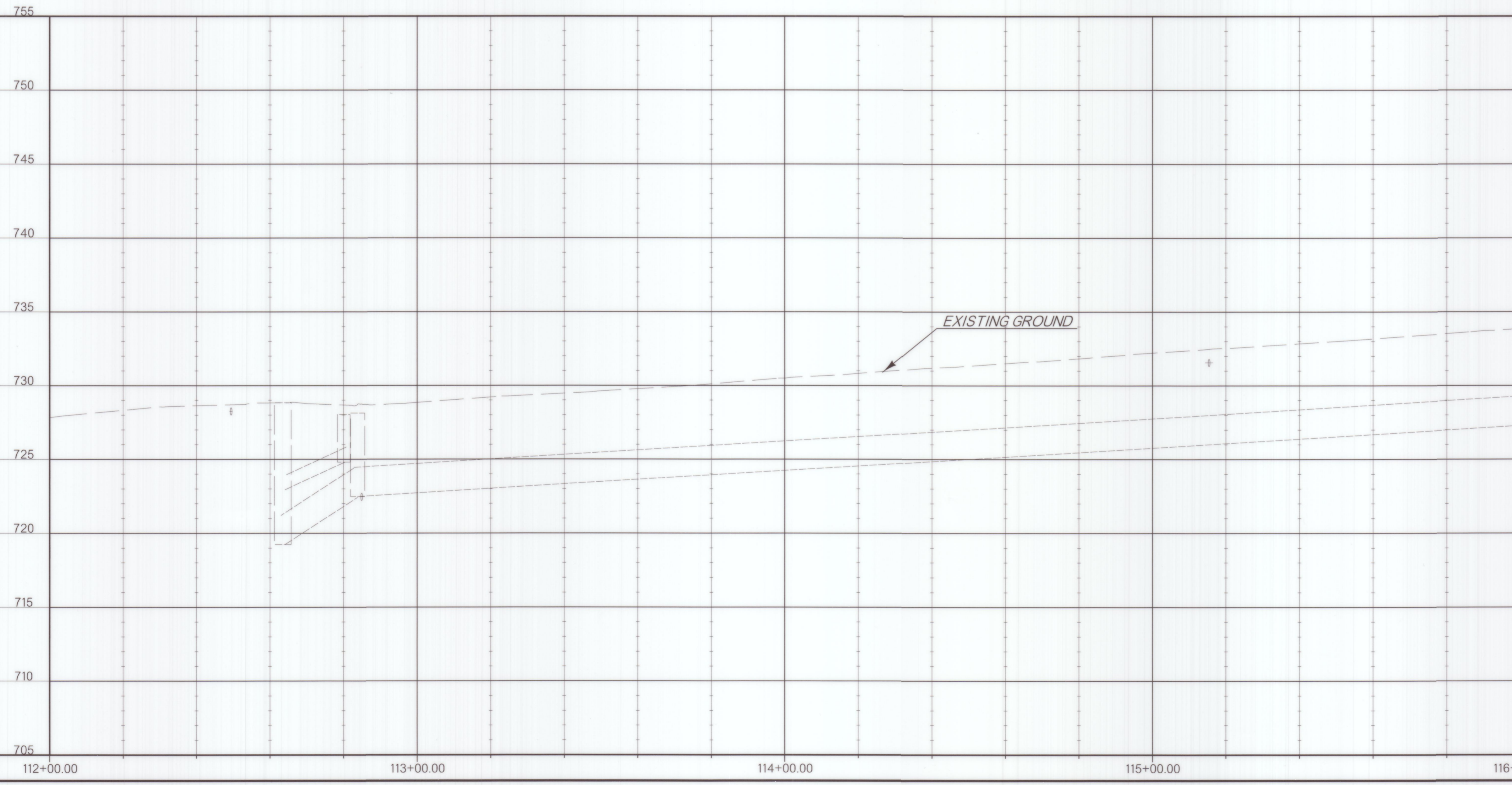
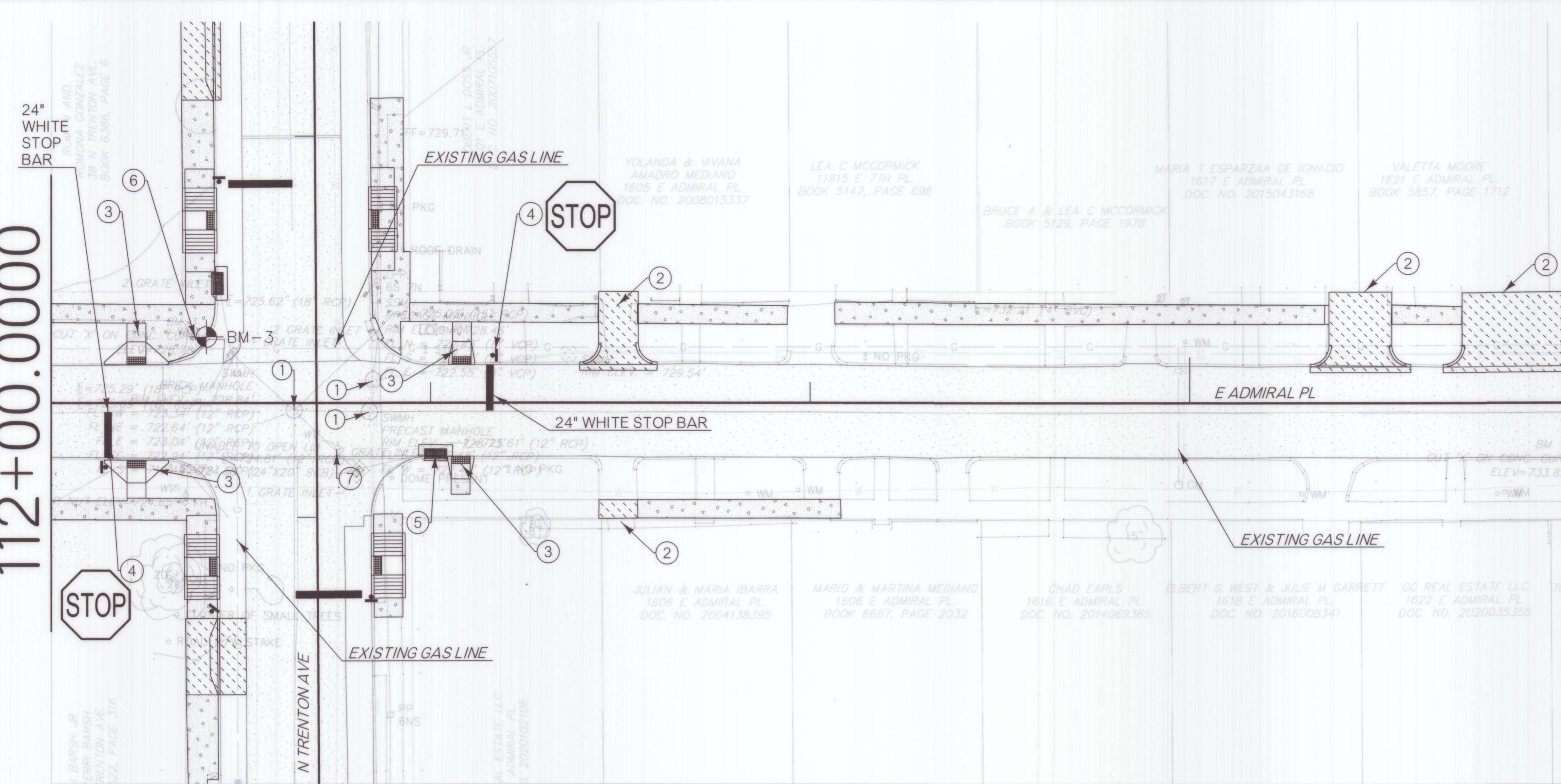


ADMIRAL PL (4 OF 5)
MAINTENANCE ZONE 1007
PROJECT NO. 2036N1007Z
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS

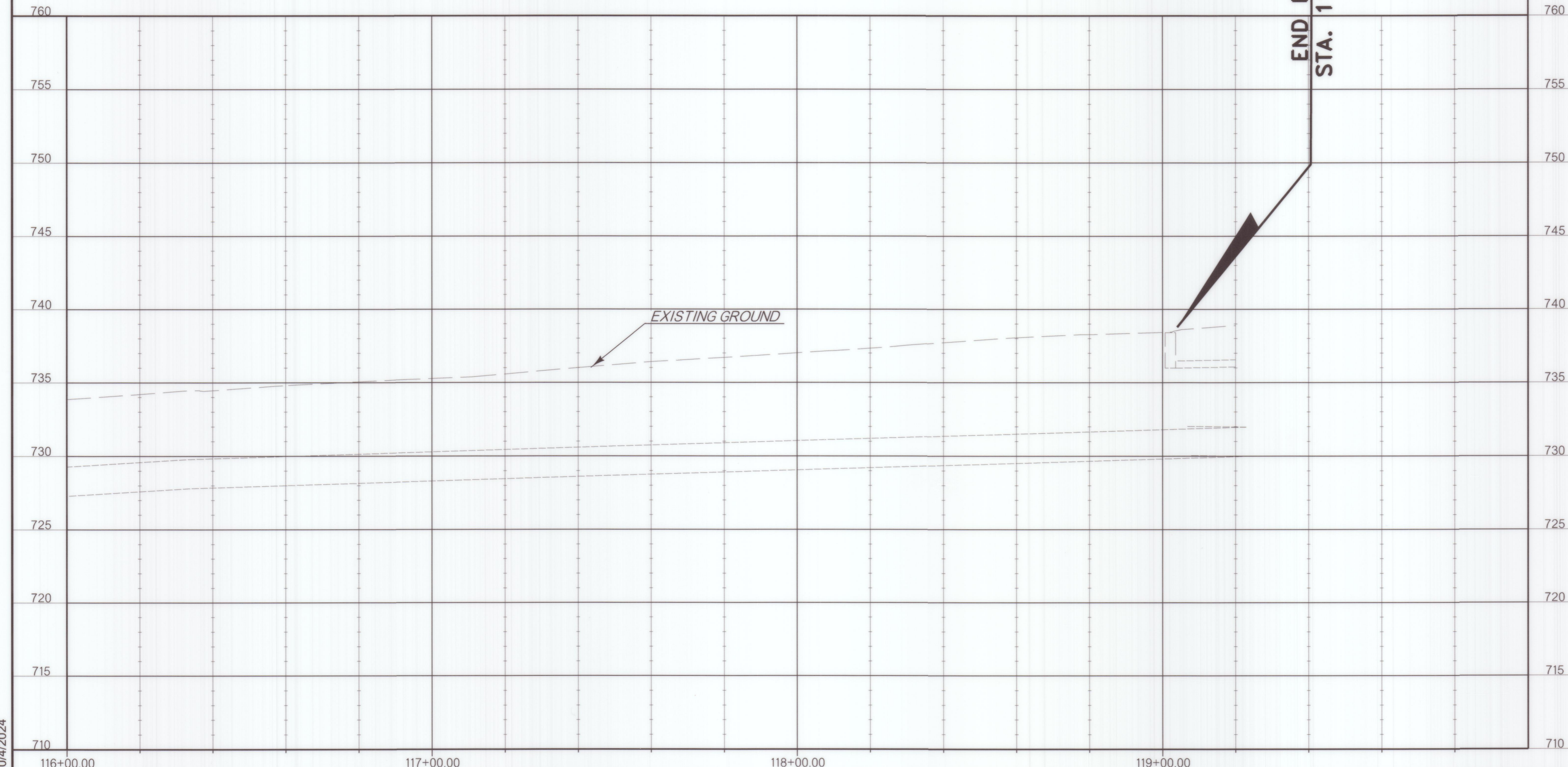
PLANS PREPARED BY: CITY OF TULSA

REVISION	BY	DATE	PLAN SCALE	DRAWN	APPROVED:
			1"=20'	DESIGNED	
				FIELD SURVEY	
			PROFILE SCALE	PROJECT MGR.	 CITY ENGINEER
			HORIZONTAL	LEAD ENGR.	
			1"=20'	FIELD MGR. <i>Paul 10/24</i>	
			VERTICAL	RECOMMENDED <i>HAS 12-24</i>	
			1"=5'	DESIGN MANAGER	
FILE: DRAWING:			DATE		11/8/2025
ATLAS PAGE NO: 4.15			SHEET 19 OF 29 SHEETS		

10/14/2024



116+00.0000



BM-4
UTICA AVE.
CUT 'X' ON CONC. SIDEWALK
N = 428745.473
E = 2568584.335
EL = 738.58

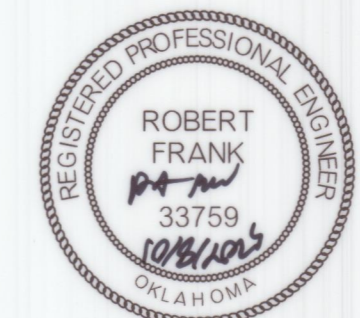
BM-14
ADMIRAL PLACE
STA. 116+08.03, 13.97' RT.
CUT 'X' ON CONC. CURB
N = 428729.126
E = 2568235.988
EL = 733.89



- LEGEND**
- ① MANHOLE ADJUSTED TO GRADE
 - ② REMOVE & REPLACE 6" P.C.C. DRIVEWAY
 - ③ INSTALL CURB RAMP
 - ④ INSTALL SIGN
 - ⑤ REPLACE INLET
 - ⑥ REMOVE CURB RAMP
 - ⑦ VALVE BOX ADJUSTED TO GRADE

- MILL AND OVERLAY
- CONCRETE SIDEWALK
- 6" CONCRETE DRIVE
- CONCRETE JOINT SEALING

CAUTION:
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ADMIRAL PL (5 OF 5)
MAINTENANCE ZONE 1007
PROJECT NO. 2036N1007Z
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS

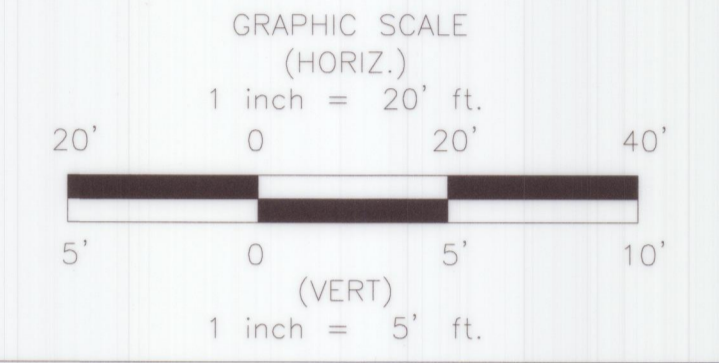
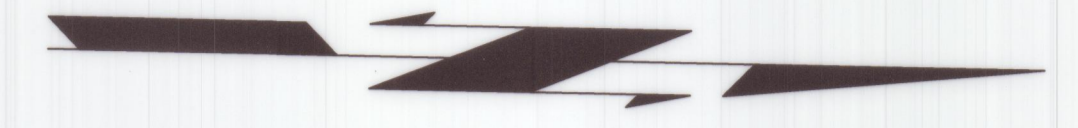
PLANS PREPARED BY:
CITY OF TULSA

REVISION	BY	DATE	PLAN SCALE	DRAWN	APPROVED:
			1"=20'	DESIGNED	 CITY ENGINEER
				FIELD SURVEY	
			PROFILE SCALE	PROJECT MGR.	
			HORIZONTAL SCALE	LEAD ENGR. 11/24	
			1"=20'	FIELD MGR. 10/24	
			VERTICAL SCALE	RECOMMENDED	
			1"=5'	DESIGN MANAGER 12-24	
FILE:			DRAWING:		DATE: 1/8/2025
ATLAS PAGE NO:			4, 15		SHEET 20 OF 29 SHEETS

10/4/2024

BM-8
 QUINCY AVE.
 STA. 200+15.74, 24.22' RT.
 CUT 'X' ON CONC. SIDEWALK
 N = 428407.428
 E = 2566658.435
 EL = 712.76

204+00.0000

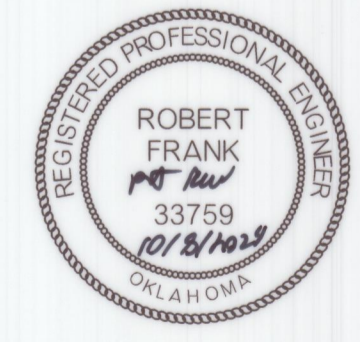
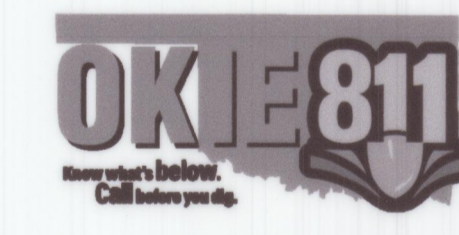


- LEGEND**
- ① MANHOLE ADJUSTED TO GRADE
 - ② REMOVE & REPLACE 6" P.C.C. DRIVEWAY
 - ③ INSTALL CURB RAMP
 - ④ INSTALL SIGN
 - ⑤ REPLACE INLET
 - ⑥ REMOVE CURB RAMP
 - ⑦ VALVE BOX ADJUSTED TO GRADE

- MILL AND OVERLAY
- CONCRETE SIDEWALK
- 6" CONCRETE DRIVE
- CONCRETE JOINT SEALING

BM#1 BENCHMARK

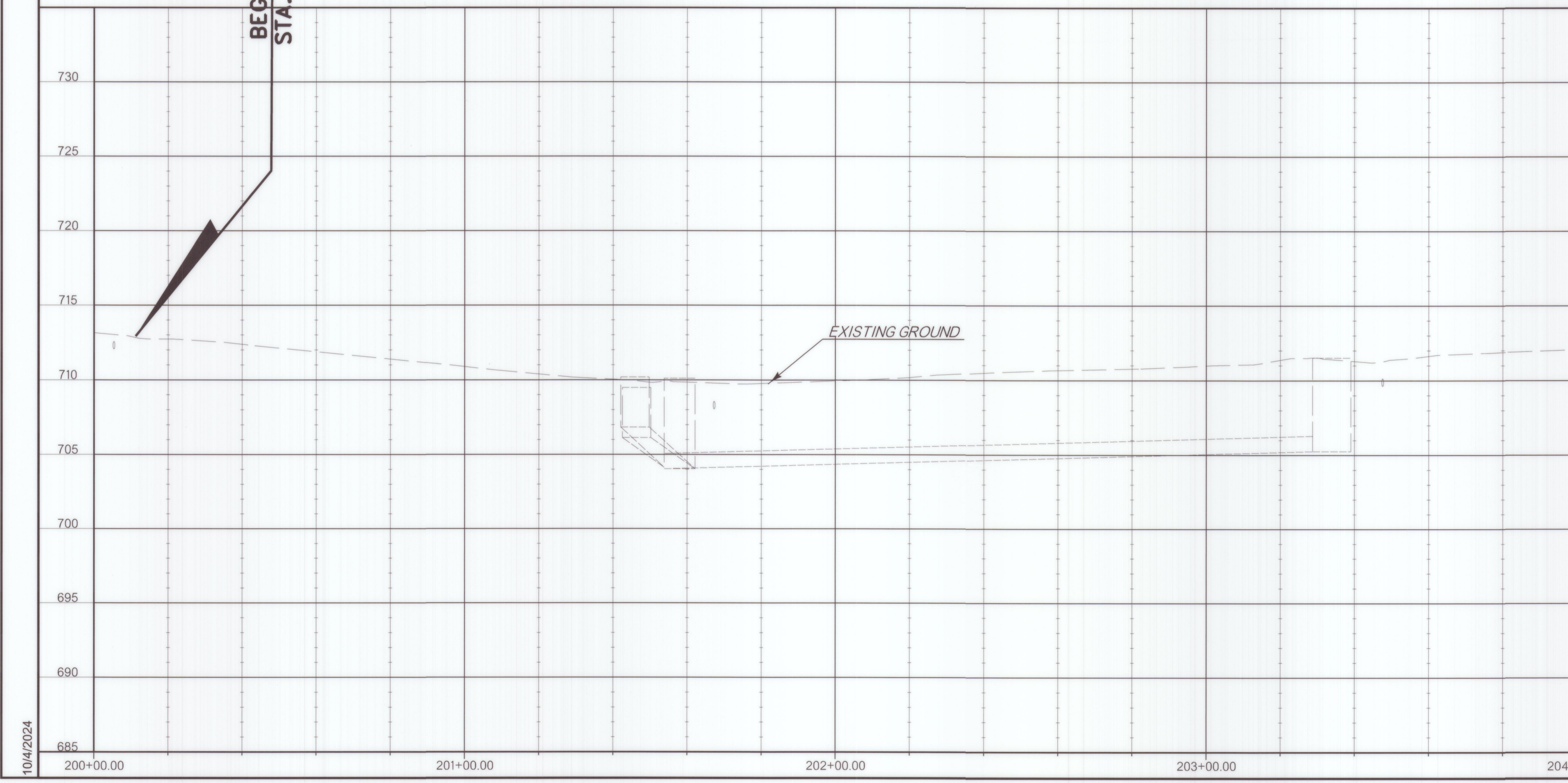
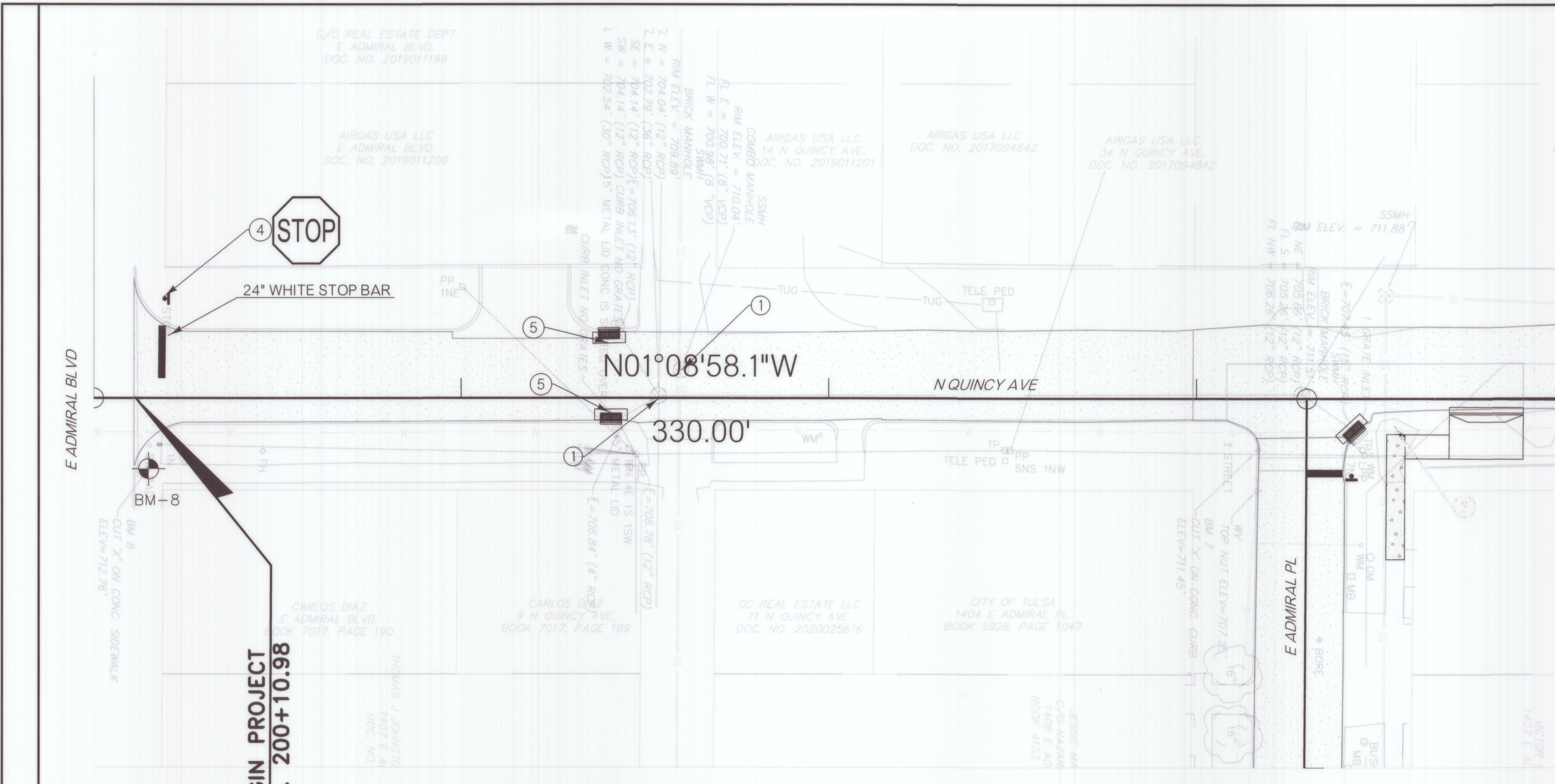
CAUTION:
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 CONSTRUCTION.
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QUINCY AVE (1 OF 2)
 MAINTENANCE ZONE 1007
 PROJECT NO. 2036N1007Z
 CITY OF TULSA, OKLAHOMA
 PUBLIC WORKS

PLANS PREPARED BY:
 CITY OF TULSA

REVISION	BY	DATE	PLAN SCALE	DRAWN	APPROVED:
			1"=20'	DESIGNED	
				FIELD SURVEY	
			PROFILE SCALE	PROJECT MGR.	 CITY ENGINEER
			HORIZONTAL	LEAD ENGR. <i>11/24</i>	
			1"=20'	FIELD MGR. <i>10/24</i>	
			VERTICAL	RECOMMENDED DESIGN MANAGER <i>11/24</i>	
FILE:			DRAWING:		DATE <i>11/8/2025</i>
ATLAS PAGE NO:			4.15		SHEET 21 OF 29 SHEETS

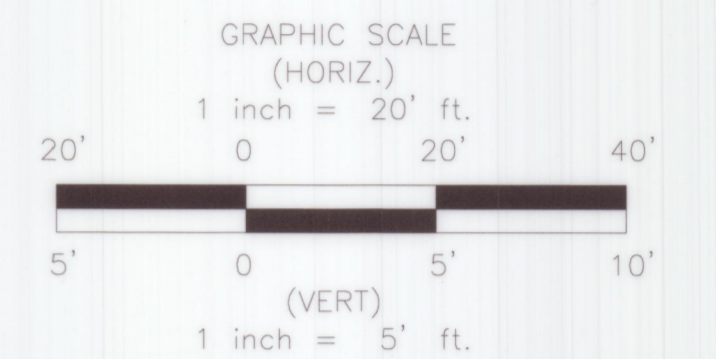
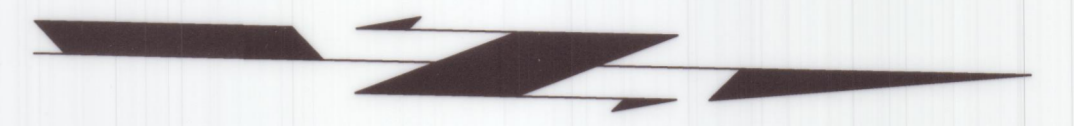
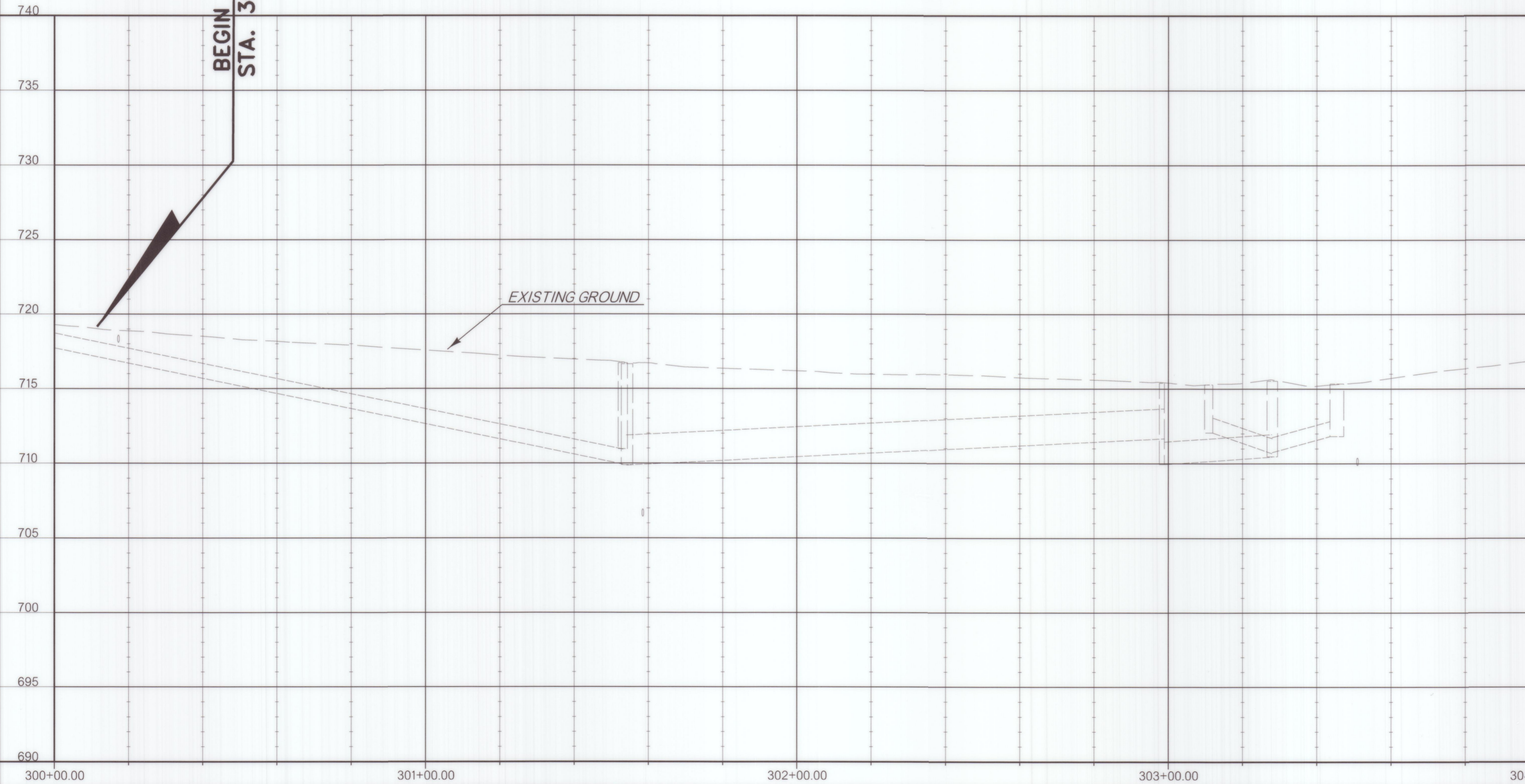
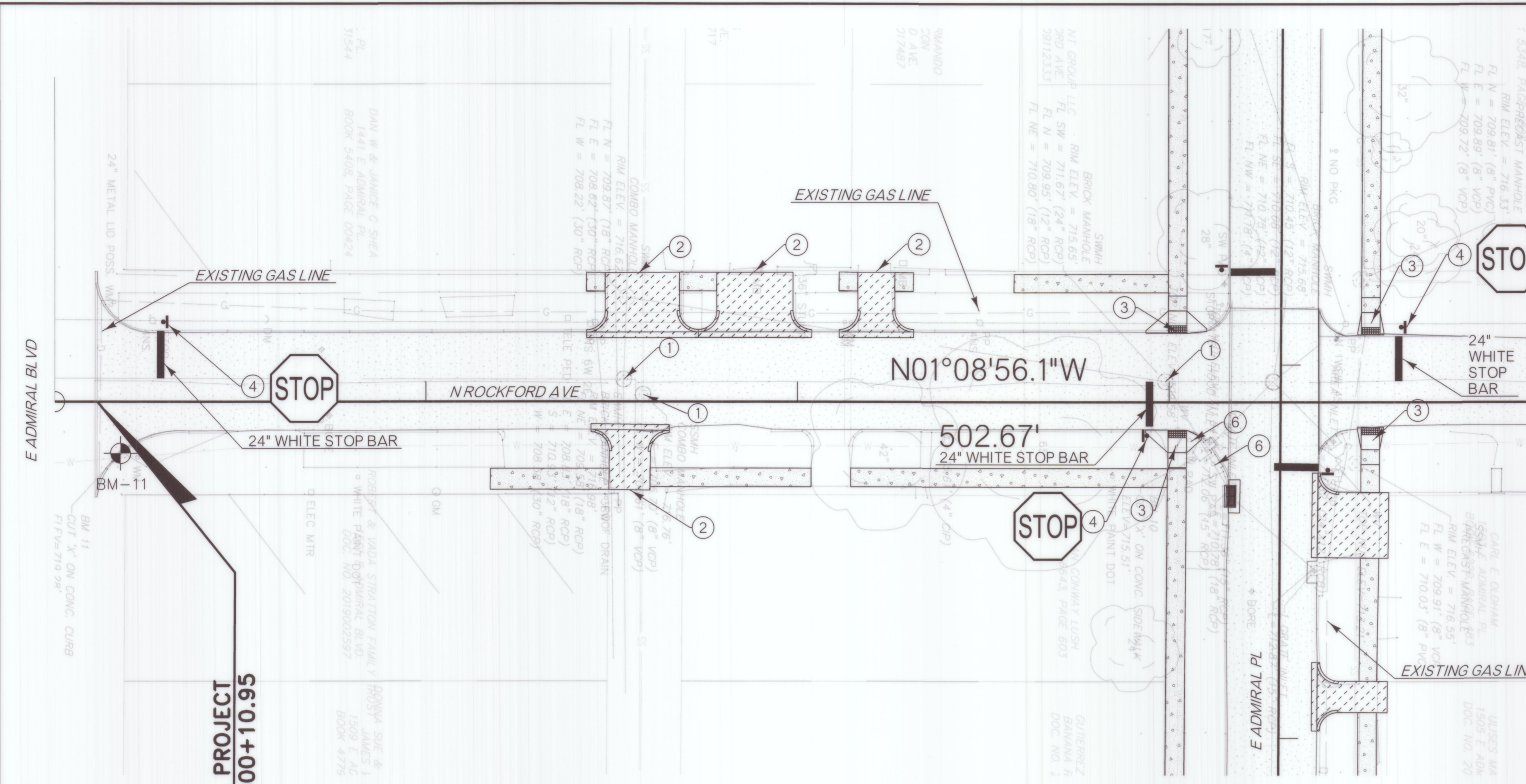


10/14/2024

BEGIN PROJECT
 STA. 200+10.98

BM-11
 ROCKFORD AVE.
 STA. 300+18.47, 18.86' RT.
 CUT 'X' ON CONC. CURB
 N = 428418.381
 E = 2567262.962
 EL = 719.28

304+00.0000



- LEGEND**
- ① MANHOLE ADJUSTED TO GRADE
 - ② REMOVE & REPLACE 6" P.C.C. DRIVEWAY
 - ③ INSTALL CURB RAMP
 - ④ INSTALL SIGN
 - ⑤ REPLACE INLET
 - ⑥ REMOVE CURB RAMP
 - ⑦ VALVE BOX ADJUSTED TO GRADE

- MILL AND OVERLAY
- CONCRETE SIDEWALK
- 6" CONCRETE DRIVE
- CONCRETE JOINT SEALING

BM #1 BENCHMARK
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ROCKFORD AVE (1 OF 2)
 MAINTENANCE ZONE 1007
 PROJECT NO. 2036N1007Z
 CITY OF TULSA, OKLAHOMA
 PUBLIC WORKS

PLANS PREPARED BY:
 CITY OF TULSA

REVISION	BY	DATE	PLAN SCALE	DRAWN	APPROVED:
			1"=20'	DESIGNED	
				FIELD SURVEY	
			PROFILE SCALE	PROJECT MGR.	 ROBERT FRANK REGISTERED PROFESSIONAL ENGINEER NO. 33759 10/24/2024 OKLAHOMA
			HORIZONTAL	LEAD ENGR. <i>11/24</i>	
			1"=20'	FIELD MGR. <i>10/24</i>	
			1"=5'	RECOMMENDED <i>HAS 12.24</i>	
				DESIGN MANAGER	CITY ENGINEER
			FILE:	DRAWING:	DATE <i>11/8/2025</i>
			ATLAS PAGE NO: 4, 15		SHEET 23 OF 29 SHEETS

10/4/2024

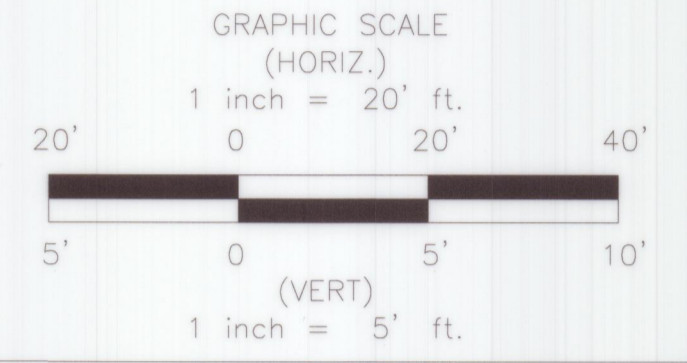
304+00.0000

POE 305+02.67

N ROCKFORD AVE

END PROJECT
STA. 305+00.31

EXISTING GROUND



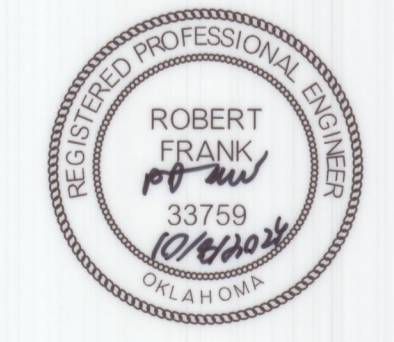
LEGEND

- ① MANHOLE ADJUSTED TO GRADE
- ② REMOVE & REPLACE 6" P.C.C. DRIVEWAY
- ③ INSTALL CURB RAMP
- ④ INSTALL SIGN
- ⑤ REPLACE INLET
- ⑥ REMOVE CURB RAMP
- ⑦ VALVE BOX ADJUSTED TO GRADE

- MILL AND OVERLAY
- CONCRETE SIDEWALK
- 6" CONCRETE DRIVE
- CONCRETE JOINT SEALING

BM #1 BENCHMARK

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ROCKFORD AVE (2 OF 2)

MAINTENANCE ZONE 1007
PROJECT NO. 2036N1007Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS

PLANS PREPARED BY:
CITY OF TULSA

REVISION	BY	DATE	PLAN SCALE	DRAWN	APPROVED:
			1"=20'	DESIGNED	 DATE 1/8/2025 SHEET 24 OF 29 SHEETS
				FIELD SURVEY	
			PROFILE SCALE	PROJECT MGR.	
			HORIZONTAL	LEAD ENGR. <i>RF</i> 1/1/24	
			1"=20'	FIELD MGR. <i>RF</i> 1/1/24	
			VERTICAL	RECOMMENDED	
			1"=5'	DESIGN MANAGER <i>RF</i> 12-24	
			FILE:	DRAWING:	
			ATLAS PAGE NO: 4, 15		

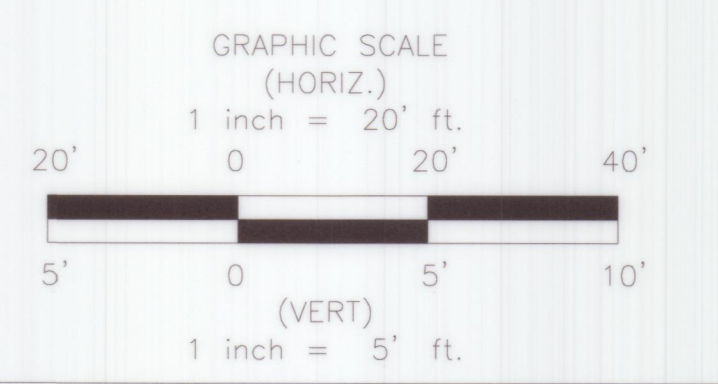
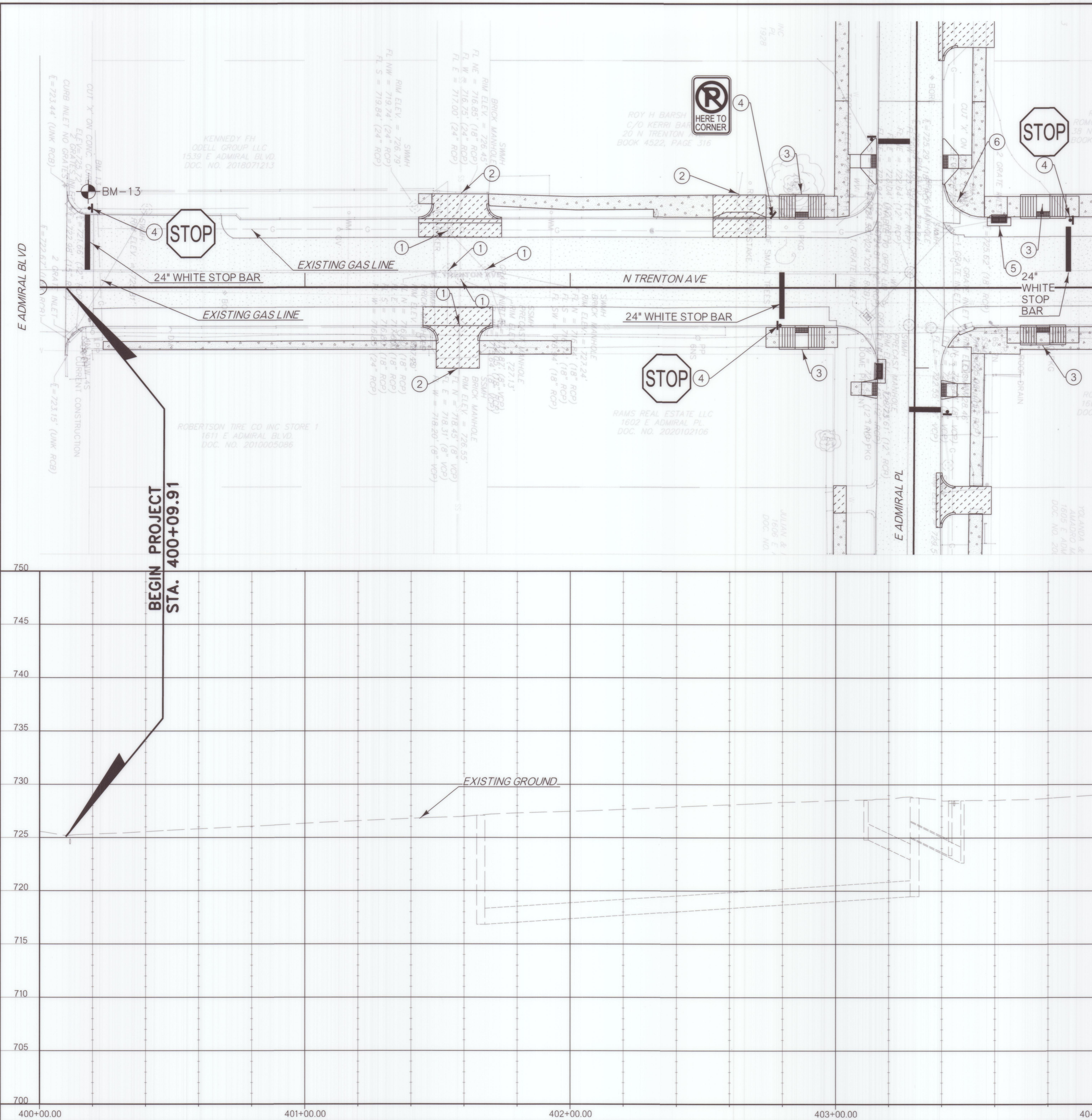
10/4/2024

304+00.00 305+00.00

740 735 730 725 720 715 710 705 700 695 690

BM-13
 TRENTON AVE.
 STA. 400+18.99, 30.89' LT.
 CUT 'X' ON CONC. CURB
 N = 428426.910
 E = 2567873.157
 EL = 725.72

404+00.0000

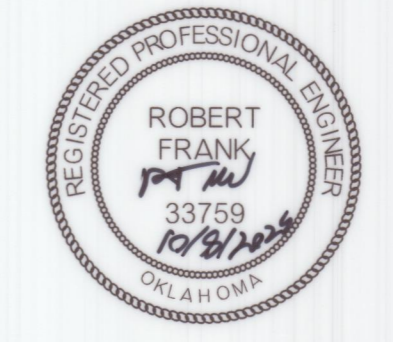


- LEGEND**
- ① MANHOLE ADJUSTED TO GRADE
 - ② REMOVE & REPLACE 6" P.C.C. DRIVEWAY
 - ③ INSTALL CURB RAMP
 - ④ INSTALL SIGN
 - ⑤ REPLACE INLET
 - ⑥ REMOVE CURB RAMP
 - ⑦ VALVE BOX ADJUSTED TO GRADE

- MILL AND OVERLAY
- CONCRETE SIDEWALK
- 6" CONCRETE DRIVE
- CONCRETE JOINT SEALING

BM #1 BENCHMARK

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TRENTON AVE (1 OF 4)
 MAINTENANCE ZONE 1007
 PROJECT NO. 2036N1007Z
 CITY OF TULSA, OKLAHOMA
 PUBLIC WORKS

PLANS PREPARED BY:
 CITY OF TULSA

REVISION	BY	DATE	PLAN SCALE	DRAWN	APPROVED:
			1"=20'	DESIGNED	
				FIELD SURVEY	
			PROFILE SCALE	PROJECT MGR.	 DATE 11/8/2025 SHEET 25 OF 29 SHEETS
			HORIZONTAL	LEAD ENGR. 11/24	
			1"=20'	FIELD MGR. 2/24/2024	
			VERTICAL	RECOMMENDED: ABS 12-24	
			1"=5'	DESIGN MANAGER	
			FILE:	DRAWING:	DATE 11/8/2025
			ATLAS PAGE NO: 4, 15		SHEET 25 OF 29 SHEETS

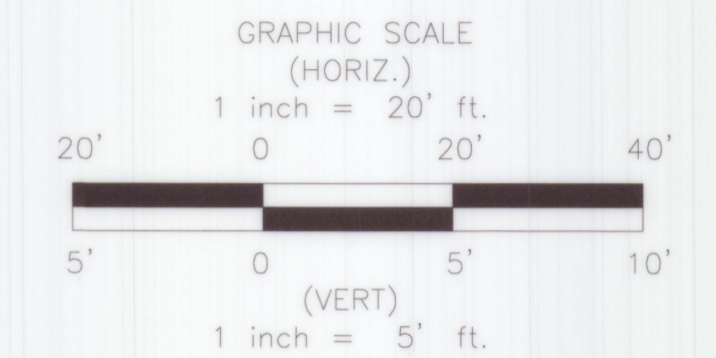
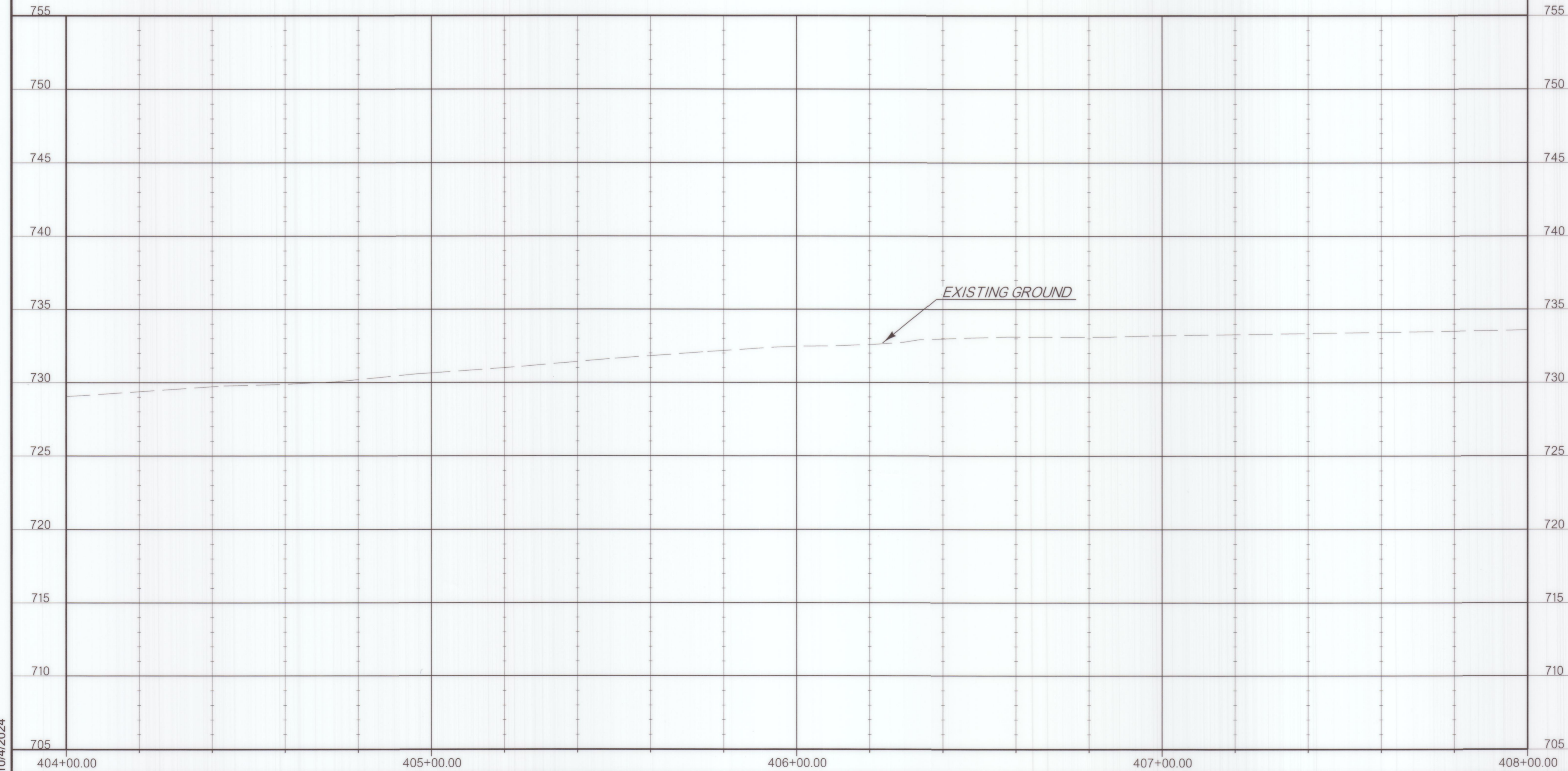
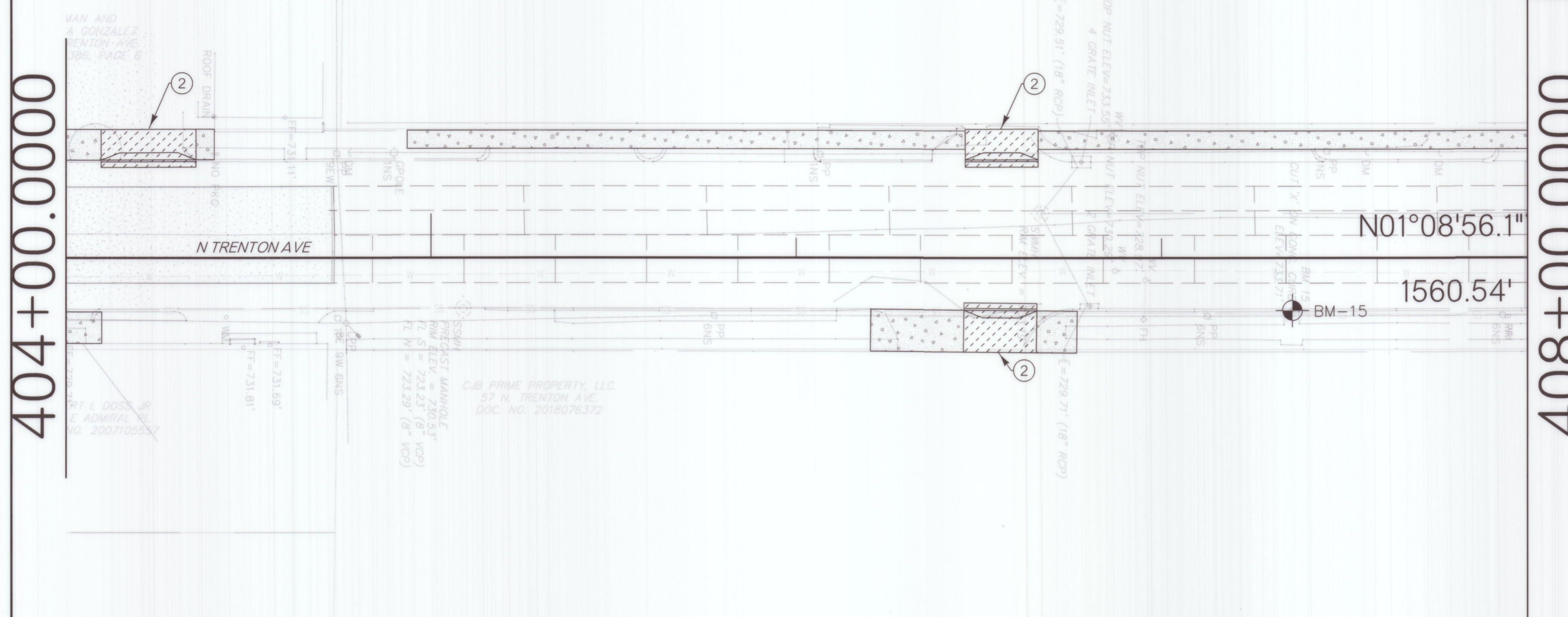
10/4/2024

CJB PRIME PROPERTY, LLC
57 N. TRENTON AVE.
DOC. NO. 2018076372

BM-15
TRENTON AVE.
STA. 407+36.35, 19.42' RT.
CUT 'X' ON CONC. CURB
N = 429145.140
E = 2567909.065
EL = 733.71

404+00.0000

408+00.0000



- LEGEND**
- ① MANHOLE ADJUSTED TO GRADE
 - ② REMOVE & REPLACE 6" P.C.C. DRIVEWAY
 - ③ INSTALL CURB RAMP
 - ④ INSTALL SIGN
 - ⑤ REPLACE INLET
 - ⑥ REMOVE CURB RAMP
 - ⑦ VALVE BOX ADJUSTED TO GRADE

- MILL AND OVERLAY
- CONCRETE SIDEWALK
- 6" CONCRETE DRIVE
- CONCRETE JOINT SEALING

BM #1 BENCHMARK

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TRENTON AVE (2 OF 4)
MAINTENANCE ZONE 1007
PROJECT NO. 2036N1007Z
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS

PLANS PREPARED BY: CITY OF TULSA

REVISION	BY	DATE	PLAN SCALE	DRAWN	DESIGNED	APPROVED:
			1"=20'			
				FIELD SURVEY		
				PROJECT MGR.		
				LEAD ENGR. <i>11/24</i>		
				FIELD MGR. <i>10/24</i>		
				RECOMMENDED: <i>12/24</i>		
				DESIGN MANAGER		
FILE: DRAWING:			DATE: <i>11/8/2025</i>		SHEET 26 OF 29 SHEETS	
ATLAS PAGE NO: 4, 15						

10/4/2024

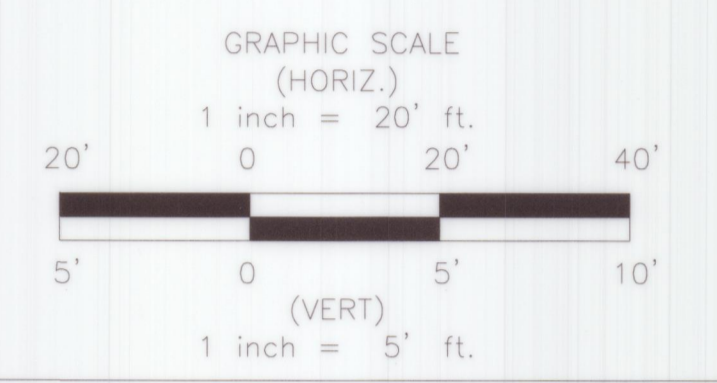
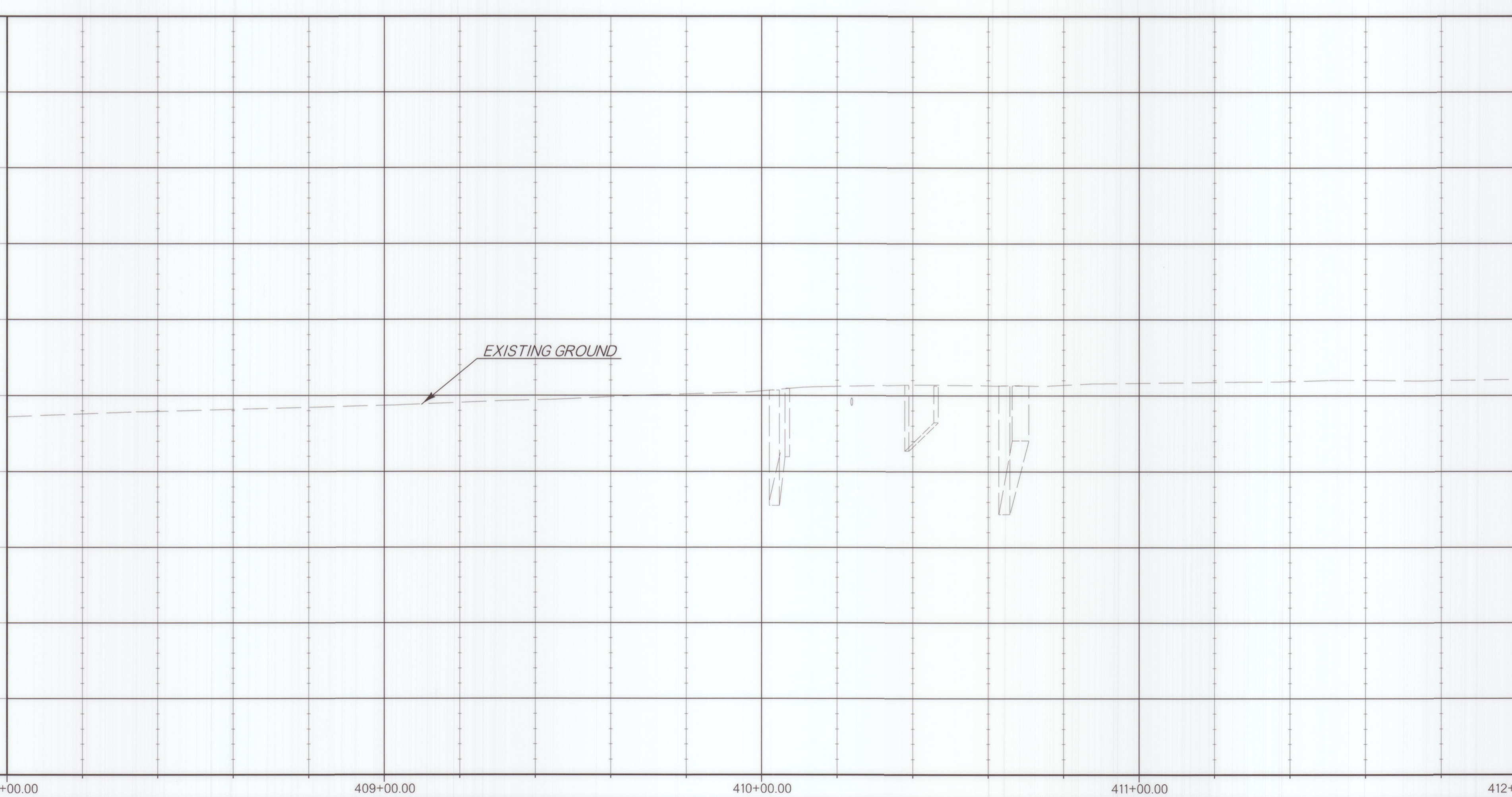
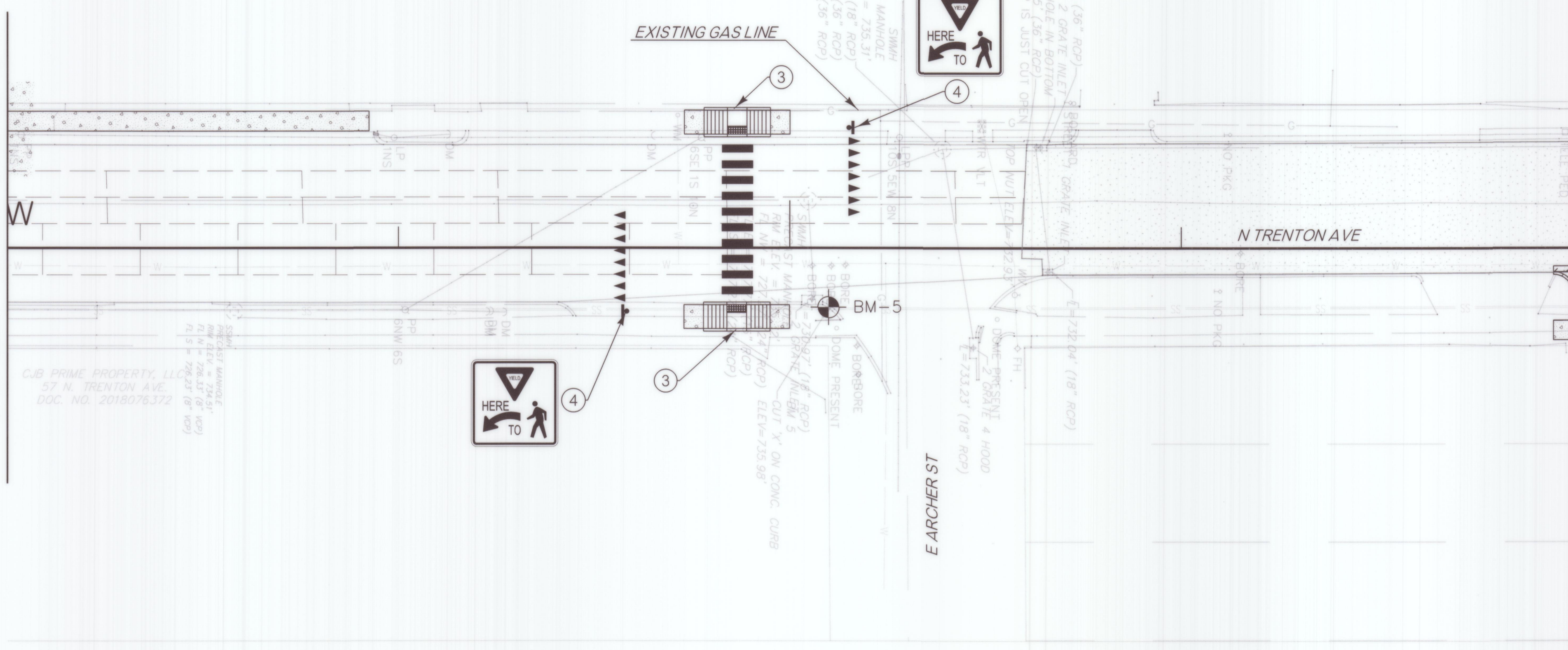
408+00.0000

412+00.0000

BM-5
TRENTON AVE.
STA. 410+10.79, 20.21' RT.
CUT 'X' ON CONC. CURB
N = 429419.544
E = 2567904.359
EL = 735.98

PRIME PROPERTY, LLC
57 N. TRENTON AVE.
DOC. NO. 2018076372

CBS PRIME PROPERTY, LLC
57 N. TRENTON AVE.
DOC. NO. 2018076372



- LEGEND**
- ① MANHOLE ADJUSTED TO GRADE
 - ② REMOVE & REPLACE 6" P.C.C. DRIVEWAY
 - ③ INSTALL CURB RAMP
 - ④ INSTALL SIGN
 - ⑤ REPLACE INLET
 - ⑥ REMOVE CURB RAMP
 - ⑦ VALVE BOX ADJUSTED TO GRADE

- MILL AND OVERLAY
- CONCRETE SIDEWALK
- 6" CONCRETE DRIVE
- CONCRETE JOINT SEALING

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TRENTON AVE (3 OF 4)
MAINTENANCE ZONE 1007
PROJECT NO. 2036N1007Z
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS

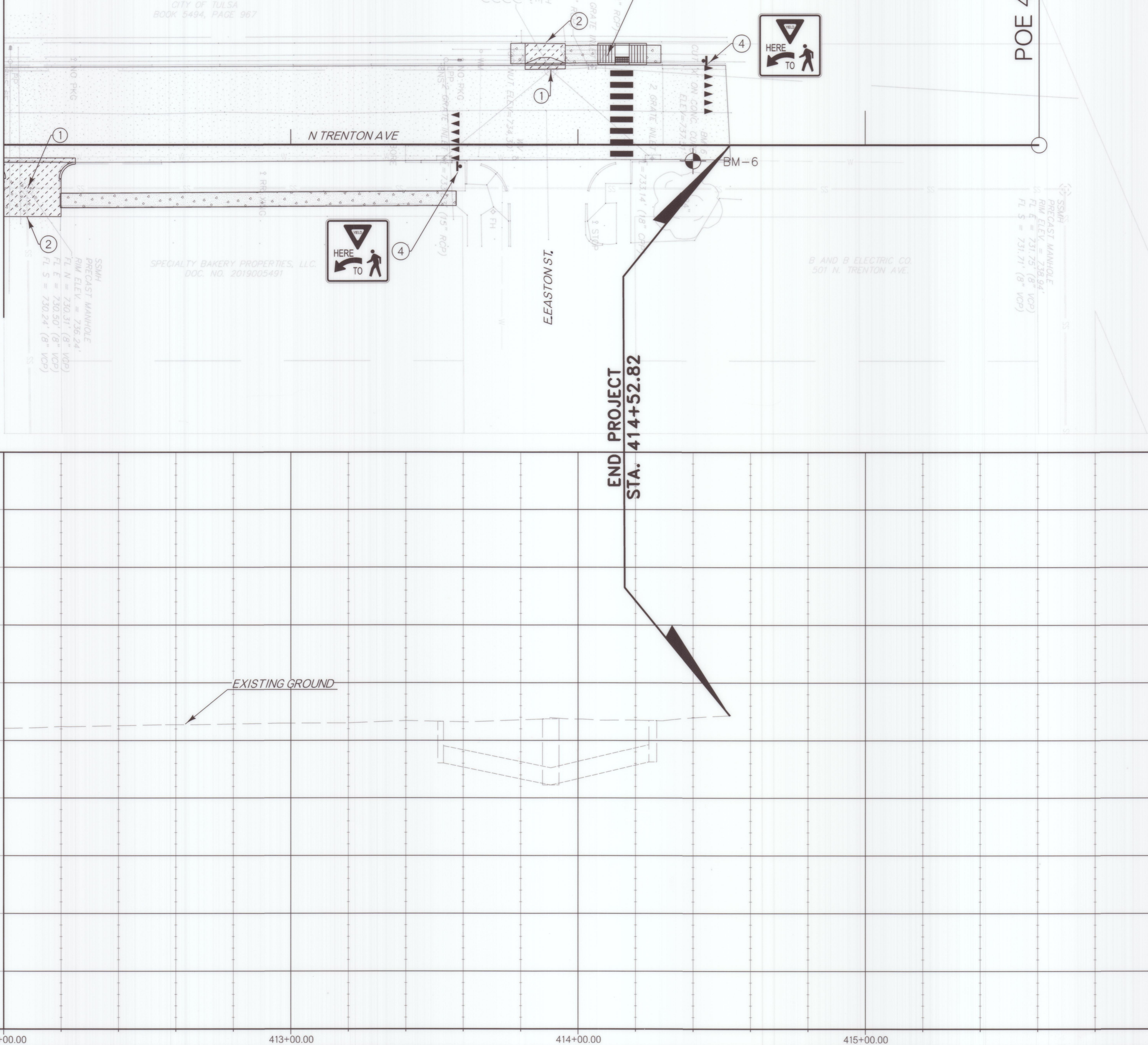
PLANS PREPARED BY: CITY OF TULSA

REVISION	BY	DATE	PLAN SCALE	DRAWN	APPROVED:
			1"=20'	DESIGNED	
				FIELD SURVEY	
			PROFILE SCALE	PROJECT MGR.	
			HORIZONTAL	LEAD ENGR. <i>DF</i> 11/24/24	
			1"=20'	FIELD MGR. <i>DF</i> 10/24	
			VERTICAL	RECOMMENDED: <i>DF</i> 12.24	
			1"=5'	DESIGN MANAGER	
			FILE: DRAWING:	DATE: 11/01/2025	
			ATLAS PAGE NO: 4, 15	SHEET 27 OF 29 SHEETS	

10/14/2024

412+00.0000

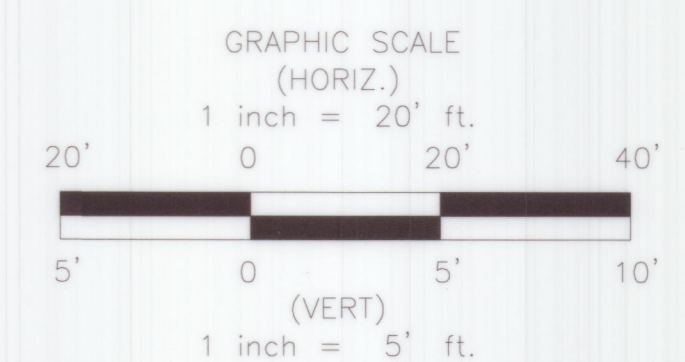
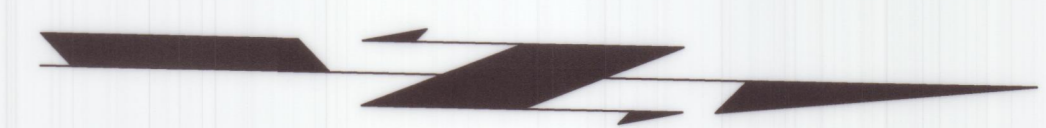
760
755
750
745
740
735
730
725
720
715
710



END PROJECT
STA. 414+52.82

POE 415+60.54

BM-6
TRENTON AVE.
STA. 414+40.72, 10.61' RT.
CUT 'X' ON CONC. CURB
N = 429849.191
E = 2567886.141
EL = 737.51



- LEGEND**
- ① MANHOLE ADJUSTED TO GRADE
 - ② REMOVE & REPLACE 6" P.C.C. DRIVEWAY
 - ③ INSTALL CURB RAMP
 - ④ INSTALL SIGN
 - ⑤ REPLACE INLET
 - ⑥ REMOVE CURB RAMP
 - ⑦ VALVE BOX ADJUSTED TO GRADE

- MILL AND OVERLAY
- CONCRETE SIDEWALK
- 6" CONCRETE DRIVE
- CONCRETE JOINT SEALING

BM #1 BENCHMARK

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TRENTON AVE (4 OF 4)
MAINTENANCE ZONE 1007
PROJECT NO. 2036N1007Z
CITY OF TULSA, OKLAHOMA
PUBLIC WORKS

PLANS PREPARED BY:
CITY OF TULSA

REVISION	BY	DATE	PLAN SCALE	DRAWN	APPROVED:
			1"=20'	DESIGNED	 DATE 1/8/2025 SHEET 28 OF 29 SHEETS
				FIELD SURVEY	
			PROFILE SCALE	PROJECT MGR.	
			HORIZONTAL 1"=20'	LEAD ENGR. <i>[Signature]</i> 11/24	
			VERTICAL 1"=5'	FIELD MGR. <i>[Signature]</i> 10/24	
				RECOMMENDED DATE 12-24	
				DESIGN MANAGER	
			FILE:	DRAWING:	
			ATLAS PAGE NO:	4, 15	

10/4/2024

412+00.00 413+00.00 414+00.00 415+00.00

36 N PEORIA AVE
LYNCH & FORSYTHE'S ADDN
LT 19 & 20 & N30 OF VAC ADM PL ADJ TO LT 19 & 20
BLOCK 4

STA. 11+96.00	
N = 428,895.10	E = 2,566,629.48
FURNISHED BY CONTRACTOR INSTALLED BY CONTRACTOR	
1 EA	3-WAY FIRE HYDRANT, IN PLACE
1 EA	6 INCH X 6 INCH DUCTILE IRON TEE, RJ
1 EA	6 INCH DUCTILE IRON PLUG W/ 2 INCH TAP (RJ)

STA 10+00.00	
N = 428,708.73	E = 2,566,637.30
FURNISHED BY CONTRACTOR INSTALLED BY CONTRACTOR	
2 EA	6" SLEEVE, RJ
1 EA	6 INCH X 6 INCH DUCTILE IRON TEE, RJ
1 EA	6" GATE VALVE, RJ

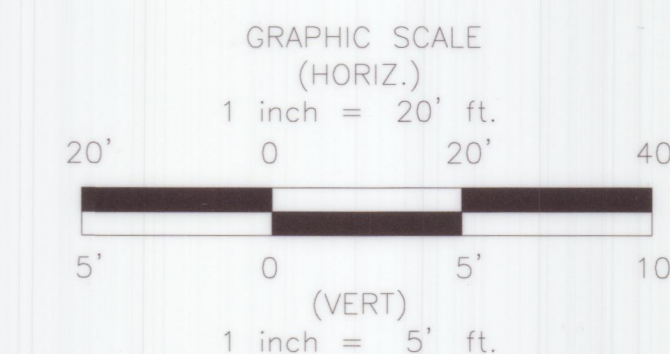
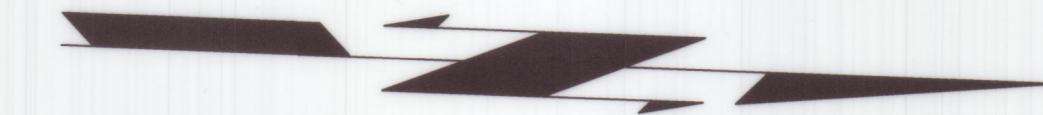
STA. 10+27.00	
N = 428,731.92	E = 2,566,628.02
FURNISHED BY CONTRACTOR INSTALLED BY CONTRACTOR	
1 EA	45° BEND, RJ

STA 10+15.00	
N = 428,723.73	E = 2,566,636.79
FURNISHED BY CONTRACTOR INSTALLED BY CONTRACTOR	
1 EA	45° BEND, RJ

STA. 10+57.00	
N = 428,761.90	E = 2,566,627.00
FURNISHED BY CONTRACTOR INSTALLED BY CONTRACTOR	
1 EA	45° BEND, RJ

STA. 10+67.00	
N = 428,769.21	E = 2,566,633.83
FURNISHED BY CONTRACTOR INSTALLED BY CONTRACTOR	
1 EA	45° BEND, RJ

LONG CONNECTIONS: 1
SHORT CONNECTIONS: 0



LEGEND

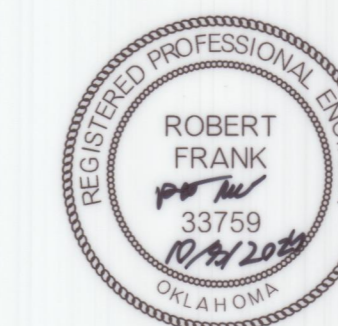
- ① MANHOLE ADJUSTED TO GRADE
- ② REMOVE & REPLACE 6" P.C.C. DRIVEWAY
- ③ INSTALL CURB RAMP
- ④ REMOVE STRUCTURE
- ⑤ REMOVE PIPE
- ⑥ REMOVE & REPLACE SIGN
- ⑦ VALVE BOX ADJUSTED TO GRADE

- ASPHALT RECONSTRUCTION
- CONCRETE SIDEWALK
- 6" CONCRETE DRIVE

BM #1 BENCHMARK

CAUTION:
BOTH OVERHEAD AND UNDERGROUND
UTILITIES EXIST WITHIN THE LIMITS OF
CONSTRUCTION. SEE PLAN NOTES.

TMUA-W 20-08



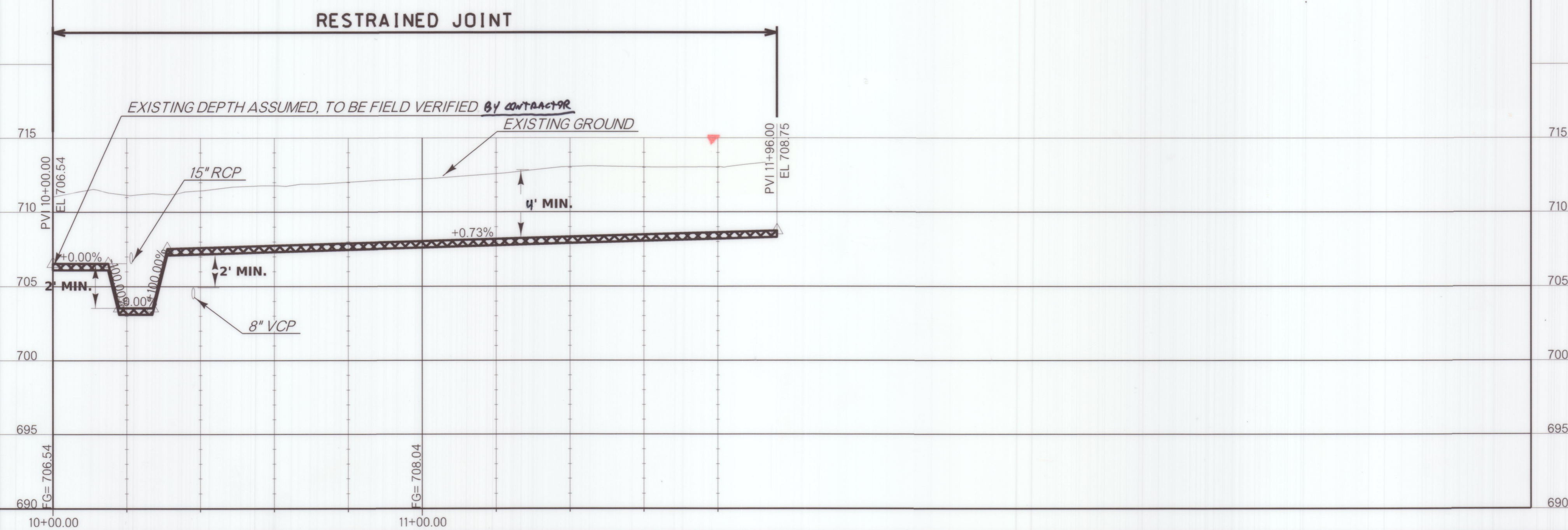
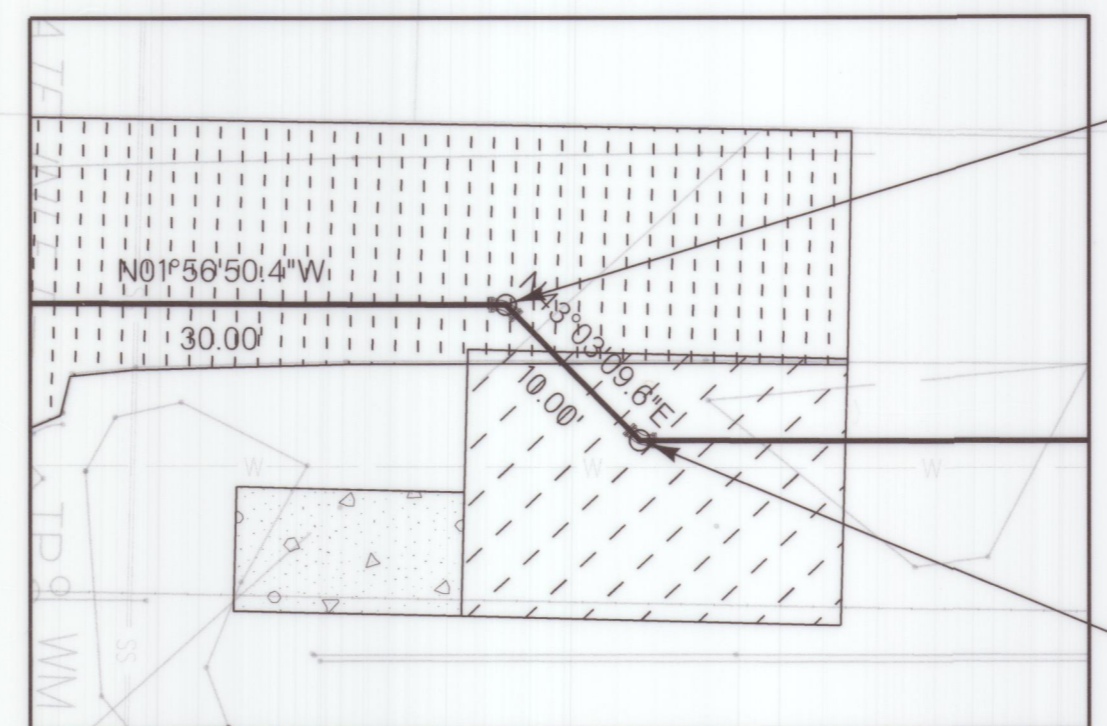
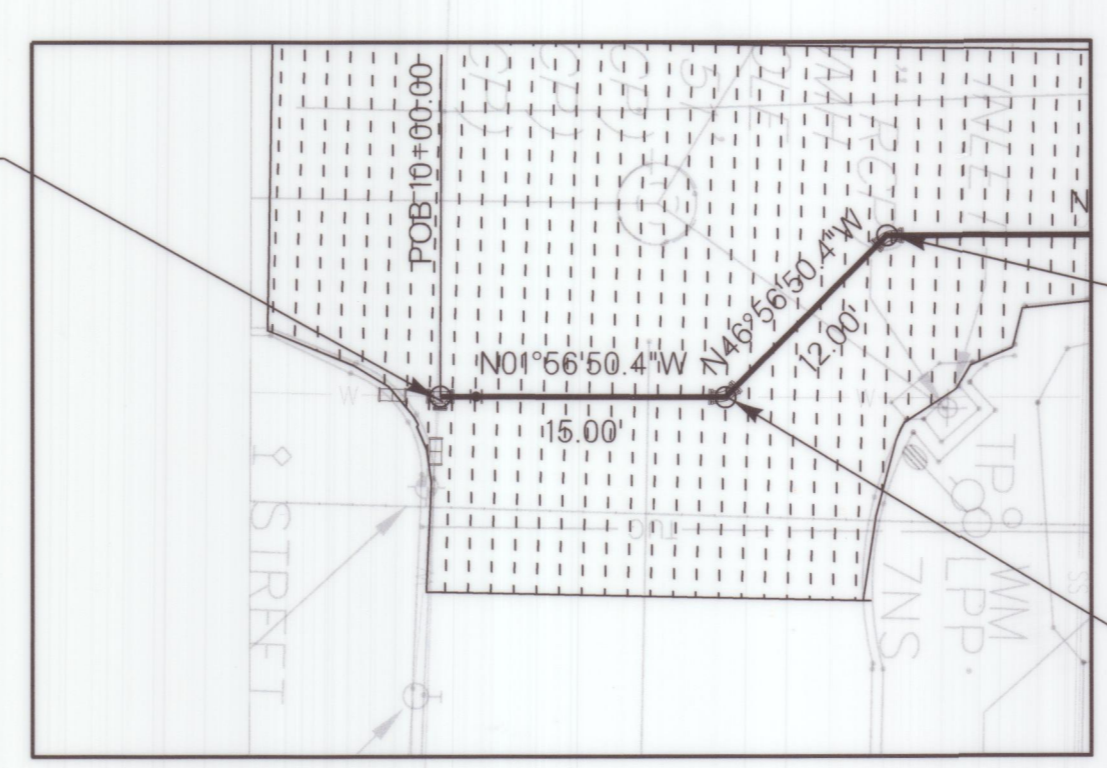
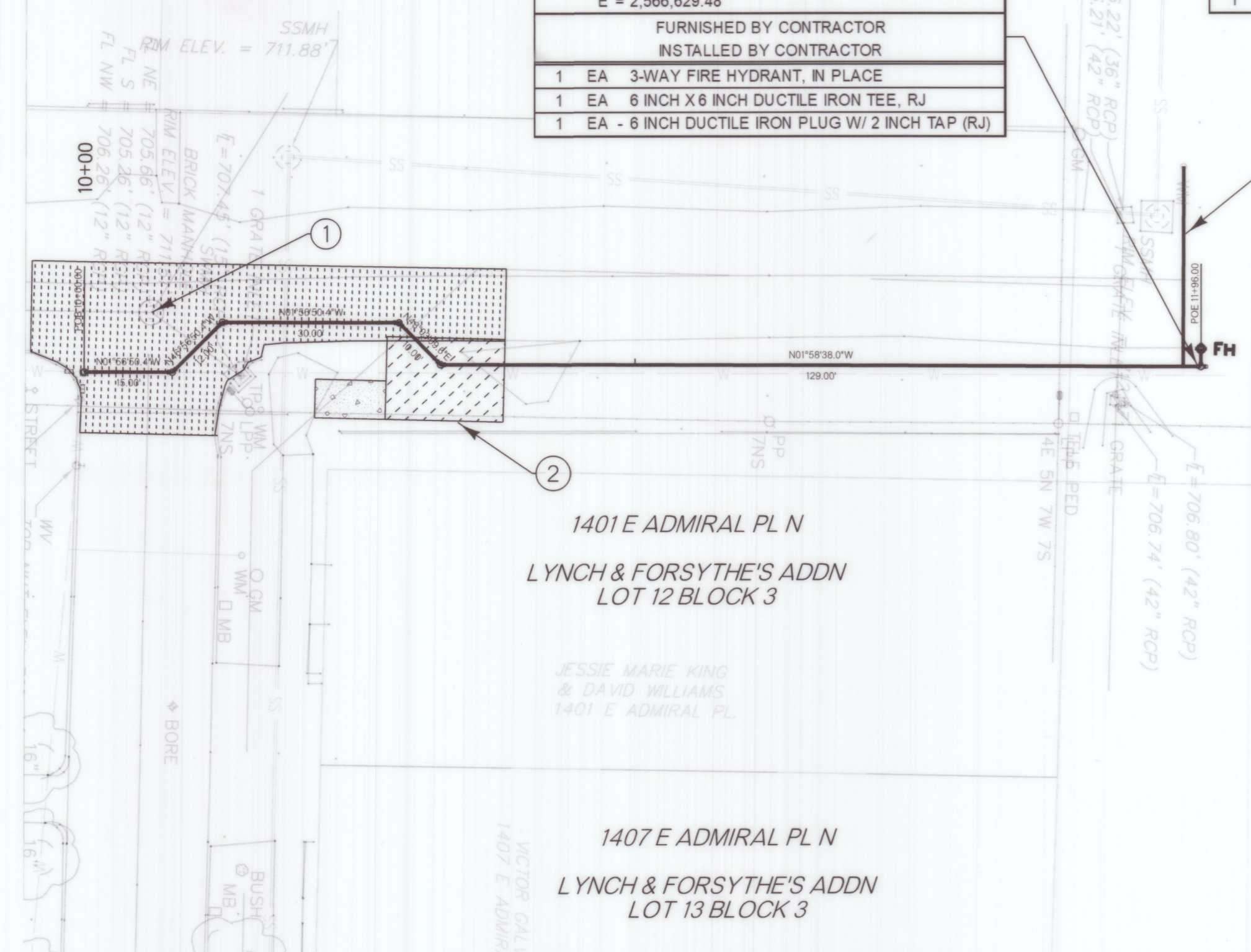
WATERLINE "A" PLAN & PROFILE

MAINTENANCE ZONE 1007
PROJECT NO. 2036N1007Z

CITY OF TULSA, OKLAHOMA
PUBLIC WORKS

PLANS PREPARED BY:
CITY OF TULSA

REVISION	BY	DATE	PLAY SCALE	DRAWN	APPROVED:
			1"=20'	DESIGNED	
				FIELD SURVEY	
			PROFILE SCALE	PROJECT MGR.	
			HORIZONTAL	LEAD ENGR. <i>CEN 11/24</i>	
			1"=20'	FIELD MGR. <i>STW 10/24</i>	<i>J. Sullivan</i> CITY ENGINEER
			VERTICAL	RECOMMENDED <i>HAS 12-24</i>	
			1"=5'	DESIGN MANAGER	
FILE: DRAWING:			DATE: <i>11/8/2025</i>		
ATLAS PAGE NO: 4, 15			SHEET 29 OF 29 SHEETS		



10/4/2024