

LEGEND AND MAP SYMBOLS

—	PROP WATERLINE
---	EX ROW
---	PROPERTY LOT LINE
SS	EX SANITARY SEWER
X" W	EX WATERLINE
SD	EX STORM DRAIN
UGE	EX UNDERGROUND ELECTRIC
CBL	EX UNDERGROUND COMMUNICATION
G	EX GAS
OHP	EX OVERHEAD POWER
⊗	PROP. WATER VALVE
⊙	PROP. AIR RELIEF VALVE
⊙	EX. WATER METER
⊕	PROP. FIRE HYDRANT

PLANS PREPARED BY:

Kimley»Horn

1437 SOUTH BOULDER AVENUE, SUITE 930, TULSA, OK 74119
OK LICENSE NO. 2740 EXP. DATE 06/30/2027
(918) 209-3191

ENGINEER'S STATEMENT:

CURRENT CITY OF TULSA STANDARD SPECIFICATIONS AND STANDARD DETAILS GOVERN. ALL OTHER CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE 2019 OKLAHOMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION

UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE LOCATIONS ONLY. LOCATIONS SHOWN ARE THOSE SUPPLIED BY UTILITY COMPANY ATLAS SHEETS AND SOME HORIZONTAL LOCATIONS FLAGGED IN THE FIELD. NO VERTICAL LOCATIONS OR EXPOSED LOCATIONS WERE OBTAINED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES BEFORE STARTING ANY EXCAVATION.

THIS PROJECT COMPLIES WITH ALL OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY (ODEQ) REQUIREMENTS AND IS ENTIRELY LOCATED WITHIN THE CORPORATE LIMITS OF THE CITY OF TULSA (COT).

UTILITY COORDINATION INFORMATION INSIDE OF RIGHT OF WAY		
COMPANY	CONTACT	OFFICE
City of Tulsa	Tony Cihryn	918-596-9245
AEP/PSO	Emergency	888-216-3523
ONG	Emergency	800-664-5463
AT&T	Emergency	800-288-2020
Cox	Customer Service	918-806-6000
Verizon	Customer Service	888-294-6804
Windstream	Customer Service	800-347-1991
MTTA	Customer Service	918-830-0024
UTILITY COORDINATION INFORMATION TULSA ENGINEERING SERVICES DEPARTMENT		
WATER DESIGN		918-596-9580
WASTEWATER DESIGN		918-596-9564
TRANSPORTATION DESIGN		918-596-9636
TRAFFIC ENGINEERING DESIGN		918-596-9741
STORMWATER DESIGN		918-596-9498

SURVEY DATUM:

1. HORIZONTAL CONTROL:

- A. HORIZONTAL CONTROL FOR THIS PROJECT IS BASED ON NAD 83 (1993) OKLAHOMA STATE PLANE COORDINATE SYSTEM NORTH ZONE 3501.
B. ACCURACY - 1ST ORDER.

2. BEARINGS:

- A. THE BEARINGS SHOWN HEREIN WERE DERIVED BY USING THE OKLAHOMA STATE PLANE COORDINATE SYSTEM (NORTH ZONE).
B. ACCURACY - 1ST ORDER.

3. VERTICAL CONTROL:

- A. VERTICAL CONTROL FOR THIS PROJECT IS BASED ON NAVD 1988.
B. ACCURACY - 1ST ORDER.

CONSTRUCTION PLANS FOR

2" WATERLINE REPLACEMENT - VICINITY OF 31ST TO 41ST STREETS AND LEWIS TO WHEELING AVENUES

CONTRACT 3

PROJECT NO. TMUA-W 25-03 C3

WATER AND SEWER DEPARTMENT

CITY OF TULSA, OKLAHOMA

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APPROVED BY

WATER AND SEWER DIRECTOR

7.21.2026

DATE

RYAN W. SMITH, P.E.

KIMLEY-HORN AND ASSOCIATES, INC.

3/23/26

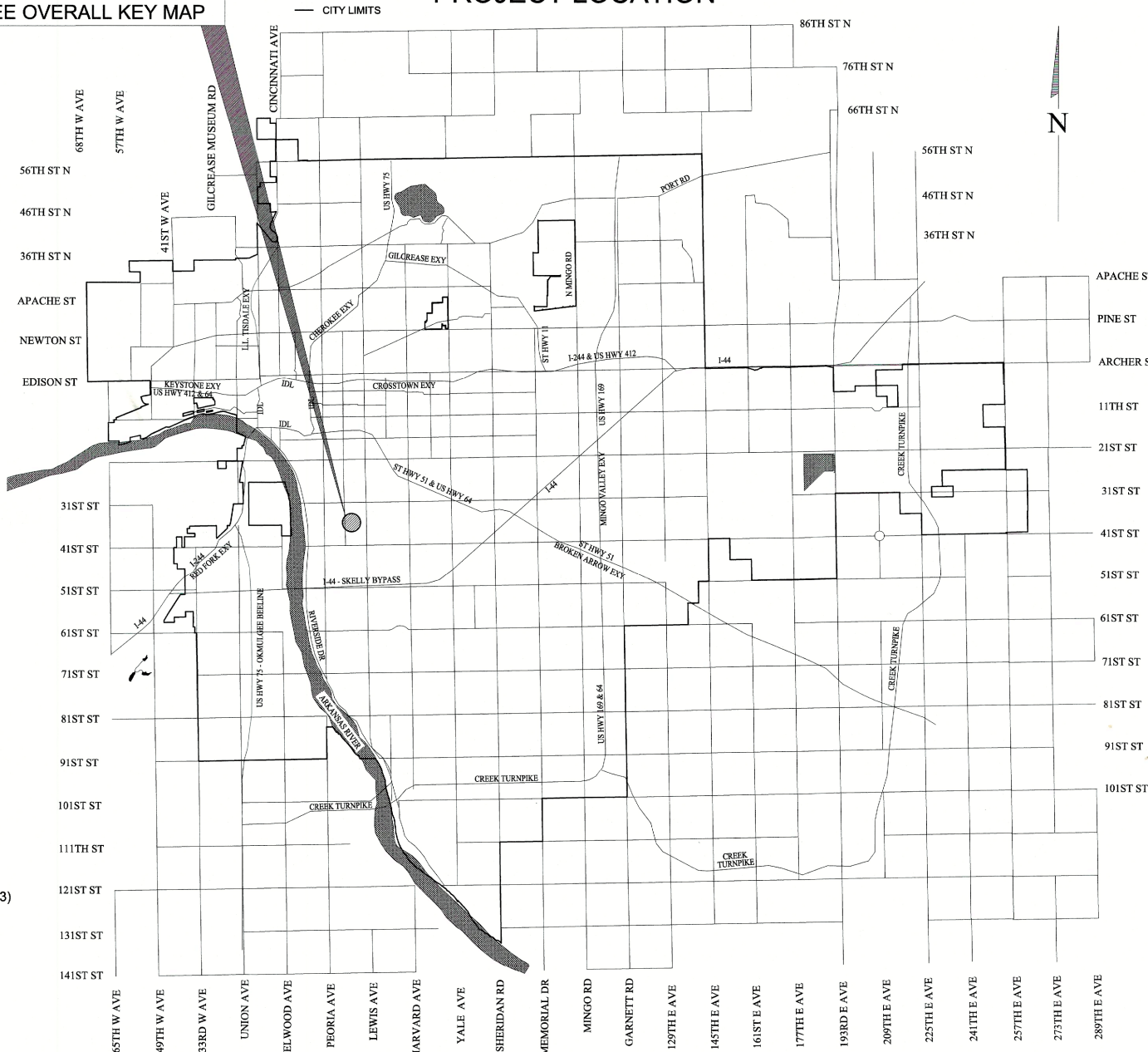
DATE

ADVERTISED:

DATE

PROJECT LOCATION
SEE OVERALL KEY MAP

PROJECT LOCATION



PLOT DATE: 3/19/2026 10:53 AM, DRAWING NAME: GENERAL NOTES & PAY QUANTITIES.DWG

WATERLINE PAY ITEM NOTES (REV. 5/15/2025)

1. TESTING AND CHLORINATION OF WATER MAINS SHALL BE PERFORMED BY THE CITY OF TULSA. TESTING, CHLORINATION, AND FLUSHING SHALL BE DONE IN ACCORDANCE WITH SECTION 109.3 OF THE GENERAL SPECIFICATIONS.
- A. CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY PLUGS WITH ADEQUATE BLOCKING OR RESTRAINTS, PLUS CORPORATION STOPS, AS DIRECTED BY CITY TESTING PERSONNEL. THEN, ONCE TESTING, CHLORINATION AND FLUSHING BY CITY PERSONNEL IS COMPLETED, REMOVE TEMPORARY BLOCKING AND TIE INTO EXISTING SYSTEM USING FITTINGS SWABBED INTERNALLY WITH 2% BLEACH SOLUTION.
- B. TESTING, CHLORINATION, AND FLUSHING OF NEW WATER MAIN SHALL BE PERFORMED BY CITY PERSONNEL ON MAINS WHICH ARE PHYSICALLY DISCONNECTED FROM THE EXISTING WATER SYSTEM. TESTING, CHLORINATION, AND FLUSHING OF NEW WATER MAINS SHALL NOT BE PERFORMED AGAINST VALVES WHICH ARE PHYSICALLY CONNECTED TO THE EXISTING SYSTEM.
- C. ALL COSTS FOR TEMPORARY PLUGS, BLOCKING, RESTRAINING, CORPORATION STOPS, TUBING, THREADED CONNECTIONS, BLEACH, AND OTHER INCIDENTALS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR PIPE.
2. BURIED BOLTS, HARNESS LUGS, AND COUPLINGS SHALL BE GIVEN TWO COATS OF KOPPER'S BITUMASTIC 300-M (DRY MIL THICKNESS OF 16 MILS) OR EQUAL. COST TO BE INCLUDED IN UNIT PRICE BID FOR PIPE AND FITTINGS.
3. CONTRACTOR TO EXCAVATE ALL UTILITY CROSSINGS AHEAD OF PIPE LAYING SO THAT THE GRADES CAN BE ADJUSTED ON THE PROPOSED WATER MAIN TO AVOID UTILITY CONFLICTS. FAILURE TO DO SO SHALL NOT ENTITLE THE CONTRACTOR TO CLAIM EXTRA COMPENSATION FOR ADJUSTMENTS TO THE PROPOSED WATER MAIN. THE COST FOR EXCAVATING UTILITY CROSSINGS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR PIPE.
4. CONTRACTOR SHALL INSURE ALL POLES WHICH ARE AFFECTED BY TRENCHING CONDITIONS ARE BRACED BY OWNERS. PAYMENT SHALL BE INCLUDED IN "RIGHT-OF-WAY CLEARING AND RESTORING". NO ADDITIONAL PAYMENT SHALL BE MADE.
5. ALL HYDRANTS, VALVES AND OTHER FITTINGS FROM ABANDONED WATER MAINS SHALL BE SALVAGED AND DELIVERED TO THE SOUTH YARD AT 2317 S JACKSON AVE. PAYMENT TO BE MADE UNDER RIGHT OF WAY CLEARING AND RESTORING. NO ADDITIONAL PAYMENT SHALL BE MADE.
6. CONTRACTOR SHALL REPAIR ANY IRRIGATION SYSTEMS, ROOF DRAINS, AND FENCING DAMAGED IN THE ZONE OF CONSTRUCTION DURING THE COURSE OF CONSTRUCTION TO SATISFACTION OF THE PROPERTY OWNER. PAYMENT SHALL BE INCLUDED IN RIGHT-OF-WAY CLEARING AND RESTORING. NO ADDITIONAL PAYMENT SHALL BE MADE.
7. COST OF ANY TEMPORARY LIVESTOCK FENCING AND POLES SHALL BE INCLUDED IN COST OF RIGHT OF WAY CLEARING AND RESTORING. NO ADDITIONAL PAYMENT SHALL BE MADE.
8. ALL COSTS FOR COMPONENTS NECESSARY TO RESTRAIN JOINTS FOR PIPE AND FITTINGS DESIGNATED RESTRAINED JOINT ("RJ") SHALL BE INCLUDED IN UNIT PRICE BID FOR PIPE OR FITTINGS.
- A. DUCTILE IRON PIPE RESTRAINED JOINT SYSTEMS: US PIPE TRFLEX, GRIFFIN SNAPLOK, MCWANE THRUSTLOCK, AMERICAN FLEXRING, EBAA MEGALUG, STAR STARGRIP, SMITH-BLAIR CAMLOCK, CLOW TUGGRIP OR EQUAL SHALL BE USED ON THIS PROJECT. SHOULD RJ PIPE BE SPECIFIED THROUGH UNCASSED BORES, ONLY USPIPE TRFLEX, GRIFFIN SNAPLOK, MCWANE THRUSTLOCK, OR AMERICAN FLEXRING IS TO BE USED. LOCKING GASKETS NOT PERMITTED.
- B. POLYVINYL CHLORIDE (PVC) RESTRAINED JOINT SYSTEMS: EBAA MEGALUG, STAR STARGRIP OR EQUAL SHALL BE USED ON THIS PROJECT. LOCKING GASKETS NOT PERMITTED; SHOULD RJ PIPE BE SPECIFIED ON BORE, CASING IS REQUIRED.
- C. HIGH DENSITY POLYETHYLENE (HDPE) RESTRAINED JOINT SYSTEMS: EBAA MEGALUG, STAR STARGRIP OR EQUAL SHALL BE USED ON THIS PROJECT.
- NO ADDITIONAL PAYMENT SHALL BE MADE.
9. ALL CUT ENDS AND WHERE SALVAGED FITTINGS HAVE BEEN REMOVED FROM ABANDONED WATER LINES LEFT IN PLACE, SHALL BE PLUGGED WITH 24-IN TYPE A AGGREGATE BASE, PLACED IN 8-INCH MAXIMUM LIFTS AND COMPACTED TO 98% MODIFIED PROCTOR DENSITY. COST TO BE INCLUDED IN THE UNIT PRICE FOR EXCAVATION AND BACKFILL. NO ADDITIONAL PAYMENT SHALL BE MADE.
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-GLAD STEEL (CCS) WIRE, 21% CONDUCTIVITY, IN LIEU OF #8 COPPER WIRE AS TRACER WIRE ATOP PVC AND HDPE PIPE.
11. DETECTABLE MYLAR MARKING TAPE SHALL BE INSTALLED OVER DUCTILE IRON PIPE AS PER CONST SPEC 307.3 AND 307.4. COST WILL BE INCLUDED IN THE COST OF DUCTILE IRON PIPE.
12. ALL LABOR, MATERIALS, AND EQUIPMENT TO CONNECT PROPOSED WATER MAINS TO EXISTING WATER MAINS ARE INCLUDED IN THE COST OF PIPE. CONTRACTOR TO EXCAVATE ALL EXISTING WATER MAINS AHEAD OF PIPE LAYING SO THAT THE GRADES CAN BE ADJUSTED ACCORDINGLY. FAILURE TO DO SO SHALL NOT ENTITLE THE CONTRACTOR TO CLAIM EXTRA COMPENSATION FOR ADJUSTMENTS TO THE PROPOSED WATER MAIN. THE COST FOR EXCAVATING EXISTING WATER MAINS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR SLEEVES. NO ADDITIONAL PAYMENT SHALL BE MADE.
13. AT THE DIRECTION OF THE ENGINEER, CONTRACTOR SHALL FURNISH A "LICENSED AND BONDED PLUMBER", WHICH SHALL INCLUDE ALL COSTS OF LABOR, TOOLS, PERMIT FEES, AND EQUIPMENT TO REROUTE THE EXISTING CUSTOMER SERVICE ON CUSTOMER PROPERTY TO THE PROPOSED CUSTOMER METER CAN. COST SHALL NOT EXCEED AN ALLOWANCE OF \$1000 PER OCCURRENCE. MATERIALS COSTS SHALL BE INCLUDED UNDER THE UNIT PRICE FOR WATER SERVICE CONNECTION AND/OR WATER SERVICE LINE EXTENSION. NO ADDITIONAL PAYMENT SHALL BE MADE.
14. CONTRACTOR IS REMINDED TO BACKFILL ALL TRENCHES EXCAVATED ACROSS ANY EXISTING OR PROPOSED DRIVING OR PARKING SURFACE WITH 1½-IN TYPE A AGGREGATE BASE, PLACED IN 8-INCH MAXIMUM LIFTS AND COMPACTED TO 98% MODIFIED PROCTOR DENSITY. COST TO BE INCLUDED IN THE UNIT PRICE FOR EXCAVATION AND BACKFILL. NO ADDITIONAL PAYMENT SHALL BE MADE.
15. WATER SERVICE CONNECTIONS SHALL INCLUDE COST OF MATERIAL, LABOR, AND EQUIPMENT TO REMOVE AND INSTALL SADDLES, SERVICE CLAMPS, CORPORATION STOPS, BENDS, 3-PART UNIONS, COUPLINGS, SETTERS AND ANY OTHER INCIDENTALS REQUIRED FOR A COMPLETE WATER SERVICE CONNECTION, WITH THE EXCEPTION OF METER CANS, RIMS AND LIDS. NO ADDITIONAL PAYMENT SHALL BE MADE. METER CANS, LIDS AND RIMS SHALL BE PAID AS A SEPARATE BID ITEM.
- A. A SHORT SERVICE SHALL BE ANY SERVICE LINE THAT IS 25-FOOT OR LESS IN LENGTH. SHORT SERVICES DO NOT INCLUDE PAVEMENT REPLACEMENT.
- B. LONG SERVICE SHALL BE ANY SERVICE LINE THAT IS GREATER THAN 25-FOET UP TO 80-FOET IN LENGTH. LONG SERVICES INCLUDE PAVEMENT REPLACEMENT AND/ OR COST TO BORE.
- C. SERVICE LINES EXCEEDING THE ABOVE PARAMETERS WILL BE COMPENSATED FOR LINEAR FOOTAGE ABOVE AND BEYOND. COMPENSATION SHALL BE PAID AS "SERVICE LINES, EXTENSION", PER LF
16. SERVICE LINES ON NON-ARTERIALS SHALL BE EITHER COPPER TUBING (TYPE K SOFT ANNEALED CONFORMING TO ASTM B 88) OR PEX TUBING (MEGA PUREFLOW PEX BLUE 5306 OR UPONOR AQUA PEX 5206 BLUE CONFORMING TO ASTM F876/F877/F2023). PEX TUBING IS NOT PERMITTED WITHIN ARTERIAL RIGHT OF WAY. WHEN CONTRACTOR ELECTS TO USE PEX TUBING:
- A. ¾-INCH WATER SERVICE CONNECTION SHALL USE 1-INCH PEX TUBING MINIMUM 1-INCH WATER SERVICE CONNECTION SHALL USE 1½-INCH PEX TUBING MINIMUM.
17. CONTRACTOR'S PLUMBER SHALL PROVIDE AN INFORMATIONAL BROCHURE TO THE PROPERTY OWNERS OUTLINING THE STEPS REQUIRED TO THOROUGHLY FLUSH THEIR WATERLINES AFTER CONNECTION TO THE NEW WATER MAIN. ALL COSTS TO PRODUCE AND DISTRIBUTE THE BROCHURE SHALL BE INCLUDED IN THE PRICE BID FOR THIS ITEM.
18. THE "OWNER ALLOWANCE" CAN BE USED FOR VARIOUS WORK AND MISCELLANEOUS ITEMS NOT IDENTIFIED IN THE CONTRACT DOCUMENTS WITH THE FOLLOWING PROVISIONS:

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

I. WATER SERVICE LINES OF UNKNOWN OR UNEXPECTED SIZE.

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

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

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

19. WHERE PLANS IDENTIFY A 22.5-DEG OR 11.25-DEG VERTICAL OR HORIZONTAL BEND, HDPE WILL BE DEFLECTED PER MANUFACTURER'S MINIMUM ALLOWABLE BEND RADIUS.

20. WHERE PLANS IDENTIFY A CROSS, HDPE WILL USE TWO (2) TEES. NO ADDITIONAL PAYMENT SHALL BE MADE.

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

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

23. THE CONTRACTOR SHALL RESTORE ALL DISTURBED GRASS AREAS TO A CONDITION EQUAL TO OR BETTER THAN THE EXISTING CONDITION. THE CONTRACTOR SHALL REPLACE THE SOD TO MATCH IN-KIND AND QUALITY. LIMITS OF DISTURBANCE SHALL NOT EXCEED 9-FEET CENTERED ON THE WATERLINE. ANY DISTURBANCE OUTSIDE OF THIS AREA SHALL BE RESTORED AT THE CONTRACTOR'S EXPENSE. THIS PAY ITEM INCLUDES ALL MOWING WITHIN THE RIGHT-OF-WAY AS DIRECTED DURING CONSTRUCTION. NETTING SHALL BE REMOVED FROM SOD PRIOR TO PLACEMENT.

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

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

26. WORK UNDER THIS ITEM SHALL INCLUDE FURNISHING AND INSTALLING HDPE WALL ANCHORS AS SHOWN ON DRAWINGS OR AS DIRECTED BY THE ENGINEER. THE UNIT PRICE SHALL INCLUDE THE COST OF ALL LABOR, EQUIPMENT AND MATERIALS REQUIRED. NO ADDITIONAL PAYMENT SHALL BE MADE FOR EXCAVATION, BACKFILLING, OR CONCRETE BLOCKING.

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

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

29. COST INCLUDES EBAA MEGASTOPS OR EQUAL, INSTALLED ON ALL PVC JOINTS THROUGH BORES TO PREVENT OVERBELLING.

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

31. AGG BASE AND SUBGRADE, PER CITY STANDARD SPECIFICATIONS AND STANDARD DETAILS 703 - 704, SHALL BE PAID UNDER EXCAVATION AND BACKFILL.

32. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROL AND MAINTENANCE OF THE STORM WATER DRAINAGE FROM THE CONSTRUCTION SITE. STORM WATER PONDING ON THE CONSTRUCTION SITE THAT IS THE RESULT OF CONSTRUCTION WILL NOT BE ALLOWED. ALL 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.

33. EROSION PROTECTION SHALL BE PLACED AS FOLLOWS:

- A. AROUND INLETS TO PREVENT INFLOW OF ERODED MATERIAL INTO STORM SEWER SYSTEM.
- B. IN LOCATIONS THROUGHOUT PROJECT SITE, AS DETERMINED BY THE ENGINEER, TO PREVENT WASH OF ERODED MATERIAL ONTO ADJACENT PROPERTY.
- C. FOR ENTIRE DURATION OF PROJECT, WITH MAINTENANCE AND REPLACEMENTS, AS DIRECTED BY THE ENGINEER.
- D. WITH PERIODIC REMOVAL OF SEDIMENT IN ACORDANCE WITH STORMWATER MANAGEMENT PLAN.

ALL COSTS FOR ITEMS A-E ABOVE SHALL BE INCLUDED IN UNIT PRICE BID FOR THIS ITEM.

34. PRICE SHALL INCLUDE MAINTENANCE, SEDIMENT REMOVAL, DISPOSAL, AND REMOVAL OF FILTERS AT PROJECT COMPLETION.

35. PAVEMENT REMOVAL AND REPLACEMENT: THIS PAY ITEM SUPERSEDES CITY OF TULSA STANDARD SPECIFICATION SECTION 329.6, WITH RESPECT TO SAW CUTTING AND DOWELS AND INCLUDES THE FOLLOWING (THESE ITEMS SHALL NOT BE PAID SEPARATELY): SAW CUTTING, DOWELS, DISPOSAL OF BROKEN PAVEMENT, TEMPORARY SURFACES, ASSOCIATED EXCAVATION, PREPARATION OF SUBGRADE, FORMS OF REINFORCING, REMOVAL OR REPLACEMENT OF GRAVEL, ADDITIONAL SAW CUTTING OR REPLACEMENT OF PAVEMENT DAMAGED BY THE CONTRACTOR, JOIN SEALER, TACK COATS OR EDGE SEALING.

KH-1. PAY ITEM INCLUDES ALL COST TO INSTALL, MAINTAIN, AND OPERATE COMPLETE, ADEQUATE, AND SAFE TRAFFIC CONTROLS DURING THE CONSTRUCTION OF THE WATER LINE WORK, ALL FLAGMEN, BARRICADES, AND TRAFFIC CONTROL DEVICES SHALL BE APPROVED BY THE FIELD ENGINEERING REPRESENTATIVE AND ENGINEER OF RECORD. CONSTRUCTION SIGNAGE WILL BE INSTALLED IN A MANNER APPROVED BY THE ENGINEER OF RECORD, 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 OF RECORD PRIOR TO BEGINNING WORK.

KH-2. CONTRACTOR SHALL PROVIDE TEMPORARY WATER TO ALL EXISTING SERVICES WHEN WATERLINE IS BEING REPLACED IN PLACE. TEMPORARY WATER SHALL BE SUBSIDIARY TO THE WORK AND SHALL BE INCLUDED IN THE BID.

KH-3. CONTRACTOR TO CONNECT EXISTING WATER METERS THAT EXTEND PAST THE RIGHT-OF-WAY LINE USING A SOLID SLEEVE AT THE RIGHT-OF-WAY LINE.

SUMMARY OF WATERLINE QUANTITIES - OPTION 1:

SUMMARY OF WATERLINE QUANTITIES OPTION 1 - BASE BID OPEN CUT					
ITEM	SPEC. NO.	ITEM DESCRIPTION	PAY ITEM NOTES	UNIT	QUANTITY
1	ODOT 220	SWPP DOCUMENTATION AND MANAGEMENT	32,33,34	LSUM	1
2	ODOT 880J	CONSTRUCTION TRAFFIC CONTROL	KH-1	CD	180
3	COT 102	PROJECT SIGN		EA	1
4	COT 301	RIGHT-OF-WAY CLEARING AND RESTORING, COMPLETE IN PLACE	4,5,6,7,22	SY	2,644
5	COT 302	EXCAVATION AND BACKFILL, UNCLASSIFIED	14	CY	3,343
6	COT 303	MOBILIZATION		EA	1
7	ODOT 642	CONSTRUCTION STAKING (LEVEL II)		LF	712
8	COT 307	6 INCH DIP, CL 51 POLYETHYLENE WRAPPED, (RJ)	1,2,3,8,9,11,27,28	LF	7
9	COT 312(A)	6 INCH X 6 INCH D.I. TEE (RJ)	2,8	EA	7
10	COT 312(B)	6 INCH D.I. SLEEVE (RJ)	2,8,12	EA	37
11	COT 312(C)	2 INCH D.I. PLUG (RJ)	2,8	EA	1
12	COT 312(D)	6 INCH D.I. PLUG (RJ)	2,8	EA	1
13	COT 315(A)	3/4 INCH WATER METER CAN, LID & RIM		EA	117
14	COT 315(B)	PRIVATE SERVICE CONNECTION BY LICENSED BONDED PLUMBER	13,17	EA	6
15	COT 317(A)	3-WAY FIRE HYDRANT, IN PLACE		EA	19
16	COT 317(B)	12 INCH FIRE HYDRANT EXTENSION		EA	7
17	COT 318(A)	VALVE BOX	21	EA	41
18	COT 318(B)	VALVE BOX EXTENSION	21	VF	6
19	COT 325	SOD REPLACEMENT, LIKE KIND	23	SY	586
20	COT 329(A)	PAVEMENT, REMOVAL AND REPLACEMENT (ASPHALT)	31,35	SY	1,020
21	COT 329(B)	PAVEMENT, REMOVAL AND REPLACEMENT (CONCRETE)	30,35	SY	1,019
22	COT 329(C)	PAVEMENT, REMOVAL AND REPLACEMENT (CURB & GUTTER)	35	LF	170
23	COT 329(D)	PAVEMENT, REMOVAL AND REPLACEMENT (CONCRETE DRIVEWAY)	30,35	SY	96
24	COT 333(A)	2 INCH WATERLINE ABANDONMENT	5,9	LF	5,200
25	COT 333(B)	2 INCH WATERLINE ABANDONMENT	5,9	LF	14
26	COT 334	CONSTRUCTION AS-BUILT	24,25,27	EA	1
27	COT 335	CONTRACTOR QUALITY CONTROL		LSUM	1
28	SPECIAL	OWNER ALLOWANCE	18	ALLOW (USD)	10,000

SUMMARY OF WATERLINE QUANTITIES OPTION 1A - DIP OPEN CUT					
ITEM NO.	SPEC. NO.	ITEM DESCRIPTION	PAY ITEM NOTES	UNIT	QUANTITY
29	COT 307(A)	6 INCH DIP, CL 51 POLYETHYLENE WRAPPED, (RJ)	1,2,3,8,9,11,27,28	LF	1,392
30	COT 307(B)	6 INCH DIP, CL 51 POLYETHYLENE WRAPPED	1,2,3,5,11,27,28	LF	3,903
31	COT 312(A)	6 INCH D.I. 11-1/4 DEGREE BEND (RJ)	2,8	EA	9
32	COT 312(B)	6 INCH D.I. 22-1/2 DEGREE BEND (RJ)	2,8	EA	9
33	COT 312(C)	6 INCH D.I. 45 DEGREE BEND (RJ)	2,8	EA	45
34	COT 312(D)	6 INCH X 6 INCH D.I. TEE (RJ)	2,8	EA	19
35	COT 315(A)	3/4 INCH WATER SERVICE CONNECTION (SHORT)	13,15,16,17,KH-3	EA	43
36	COT 315(B)	3/4 INCH WATER SERVICE CONNECTION (LONG)	13,15,16,17,KH-3	EA	56
37	COT 315(C)	1 INCH WATER SERVICE CONNECTION (SHORT)	13,15,16,17,KH-3	EA	6
38	COT 315(D)	1 INCH WATER SERVICE CONNECTION (LONG)	13,15,16,17,KH-3	EA	11
39	COT 315(E)	2 INCH WATER SERVICE CONNECTION (LONG)	13,15,16,17,KH-3	EA	1
40	COT 317(A)	6 INCH GATE VALVE (RJ)	8	EA	41
41	COT 317(B)	2 INCH AIR RELIEF VALVE & VAULT		EA	5
42	COT 328	8-INCH BORE		LF	123

SUMMARY OF WATERLINE QUANTITIES OPTION 1B - PVC OPEN CUT					
ITEM NO.	SPEC. NO.	ITEM DESCRIPTION	PAY ITEM NOTES	UNIT	QUANTITY
43	COT 307	6 INCH DIP, CL 51 POLYETHYLENE WRAPPED, (RJ)	1,2,3,8,9,11,27,28	LF	21
44	COT 309(A)	6 INCH PVC, AWWA C900, CLASS 200, DR-14, (RJ)	1,2,3,8,9,10,27,28,29	LF	1,371
45	COT 309(B)	6 INCH PVC, AWWA C900, CLASS 200, DR-14	1,2,3,9,10,27,28,29	LF	3,903
46	COT 312(A)	6 INCH D.I. 11-1/4 DEGREE BEND (RJ)	2,8	EA	9
47	COT 312(B)	6 INCH D.I. 22-1/2 DEGREE BEND (RJ)	2,8	EA	11
48	COT 312(C)	6 INCH D.I. 45 DEGREE BEND (RJ)	2,8	EA	45
49	COT 312(D)	6 INCH X 6 INCH D.I. TEE (RJ)	2,8	EA	19
50	COT 315(A)	3/4 INCH WATER SERVICE CONNECTION (SHORT)	13,15,16,17,KH-3	EA	43
51	COT 315(B)	3/4 INCH WATER SERVICE CONNECTION (LONG)	13,15,16,17,KH-3	EA	56
52	COT 315(C)	1 INCH WATER SERVICE CONNECTION (SHORT)	13,15,16,17,KH-3	EA	6
53	COT 315(D)	1 INCH WATER SERVICE CONNECTION (LONG)	13,15,16,17,KH-3	EA	11
54	COT 315(E)	2 INCH WATER SERVICE CONNECTION (LONG)	13,15,16,17,KH-3	EA	1
55	COT 317(A)	6 INCH GATE VALVE (RJ)	8	EA	41
56	COT 317(B)	2 INCH AIR RELIEF VALVE & VAULT		EA	5
57	COT 328	8-INCH BORE		LF	123

SUMMARY OF WATERLINE QUANTITIES OPTION 1C - HDPE OPEN CUT					
ITEM NO.	SPEC. NO.	ITEM DESCRIPTION	PAY ITEM NOTES	UNIT	QUANTITY
58	COT 307	6 INCH DIP, CL 51 POLYETHYLENE WRAPPED, (RJ)	1,2,3,8,9,11,27,28	LF	21
59	COT 309A	8 INCH HDPE, AWWA C906, PE4710, DR-11 (DIPS)	1,2,3,8,9,10,19,27,28	LF	5,274
60	COT 312(A)	8 INCH HDPE MJ ADAPTOR (DIPS) (RJ)		EA	52
61	COT 312(B)	8 INCH HDPE 11-1/4 DEGREE BEND (DIPS)		EA	9
62	COT 312(C)	8 INCH HDPE 22-1/2 DEGREE BEND (DIPS)		EA	11
63	COT 312(D)	8 INCH HDPE 45 DEGREE BEND (DIPS)		EA	45
64	COT 312(E)	6 INCH X 6 INCH D.I. TEE (RJ)	2,8	EA	6
65	COT 312(F)	8 INCH X 8 INCH HDPE TEE (DIPS)	20	EA	13
66	COT 312(G)	8 INCH X 6 INCH D.I. REDUCER (RJ)		EA	29
67	COT 315(A)	3/4 INCH WATER SERVICE CONNECTION (SHORT)	13,15,16,17,KH-3	EA	43
68	COT 315(B)	3/4 INCH WATER SERVICE CONNECTION (LONG)	13,15,16,17,KH-3	EA	56
69	COT 315(C)	1 INCH WATER SERVICE CONNECTION (SHORT)	13,15,16,17,KH-3	EA	6
70	COT 315(D)	1 INCH WATER SERVICE CONNECTION (LONG)	13,15,16,17,KH-3	EA	11
71	COT 315(E)	2 INCH WATER SERVICE CONNECTION (LONG)	13,15,16,17,KH-3	EA	1
72	COT 317(A)	6 INCH GATE VALVE (RJ)	8	EA	12
73	COT 317(B)	8 INCH GATE VALVE (RJ)	8	EA	29
74	COT 317(C)	2 INCH AIR RELIEF VALVE & VAULT		EA	5
75	COT 328	8-INCH BORE		LF	123
76	SPECIAL	8 INCH HDPE WALL ANCHOR (DIPS)(RJ), COMPLETE IN PLACE	26	EA	17

SUMMARY OF WATERLINE QUANTITIES - OPTION 2:

SUMMARY OF WATERLINE QUANTITIES OPTION 2 - PIPE BURSTING					
ITEM NO.	SPEC. NO.	ITEM DESCRIPTION	PAY ITEM NOTES	UNIT	QUANTITY
1	ODOT 220	SWPP DOCUMENTATION AND MANAGEMENT	32,33,34	LSUM	1
2	ODOT 880J	CONSTRUCTION TRAFFIC CONTROL	KH-1	CD	180
3	COT 102	PROJECT SIGN		EA	1
4	COT 301	RIGHT-OF-WAY CLEARING AND RESTORING, COMPLETE IN PLACE	4,5,6,7,22	SY	376
5	COT 302	EXCAVATION AND BACKFILL, UNCLASSIFIED	34	CY	369
6	COT 303	MOBILIZATION		EA	1
7	ODOT 642	CONSTRUCTION STAKING (LEVEL II)		EA	1
8	COT 307	6 INCH DIP, CL 51 POLYETHYLENE WRAPPED, (RJ)	1,2,3,8,9,11,27,28	LF	712
9	COT 309A	8 INCH HDPE, AWWA C906, PE4710, DR-11 (DIPS), PIPE BURSTING	1,2,27,28,KH-2	LF	5,214
10	COT 312(A)	6 INCH D.I. SLEEVE (RJ)	2,8,12	EA	37
11	COT 312(B)	8 INCH HDPE MJ ADAPTOR (DIPS) (RJ)		EA	52
12	COT 312(C)	8 INCH HDPE 11-1/4 DEGREE BEND (DIPS)		EA	12
13	COT 312(D)	8 INCH HDPE 22-1/2 DEGREE BEND (DIPS)		EA	4
14	COT 312(E)	8 INCH HDPE 45 DEGREE BEND (DIPS)		EA	11
15	COT 312(F)	6 INCH X 6 INCH D.I. TEE (RJ)	2,8	EA	13
16	COT 312(G)	8 INCH X 8 INCH HDPE TEE (DIPS)	20	EA	13
17	COT 312(H)	8 INCH X 6 INCH D.I. REDUCER (RJ)		EA	29
18	COT 315(A)	3/4 INCH WATER SERVICE CONNECTION (SHORT)	13,15,16,17,KH-3	EA	43
19	COT 315(B)	3/4 INCH WATER SERVICE CONNECTION (LONG)	13,15,16,17,KH-3	EA	56
20	COT 315(C)	1 INCH WATER SERVICE CONNECTION (SHORT)	13,15,16,17,KH-3	EA	6
21	COT 315(D)	1 INCH WATER SERVICE CONNECTION (LONG)	13,15,16,17,KH-3	EA	11
22	COT 315(E)	2 INCH WATER SERVICE CONNECTION (LONG)	13,15,16,17,KH-3	EA	1
23	COT 315(F)	3/4 INCH WATER METER CAN, LID & RIM		EA	117
24	COT 315(G)	PRIVATE SERVICE CONNECTION BY LICENSED BONDED PLUMBER	13,17	EA	6
25	COT 317(A)	3-WAY FIRE HYDRANT, IN PLACE		EA	19
26	COT 317(B)	12 INCH FIRE HYDRANT EXTENSION		EA	7
27	COT 317(C)	6 INCH GATE VALVE (RJ)	8	EA	12
28	COT 317(D)	8 INCH GATE VALVE (RJ)	8	EA	29
29	COT 317(E)	2 INCH AIR RELIEF VALVE & VAULT		EA	5
30	COT 318(A)	VALVE BOX	21	EA	41
31	COT 318(B)	VALVE BOX EXTENSION	21	VF	6
32	COT 325	SOD REPLACEMENT, LIKE KIND	23	SY	340
33	COT 329(A)	PAVEMENT, REMOVAL AND REPLACEMENT (ASPHALT)	31,35	SY	18
34	COT 329(B)	PAVEMENT, REMOVAL AND REPLACEMENT (CONCRETE)	30,35	SY	18
35	COT 329(C)	PAVEMENT, REMOVAL AND REPLACEMENT (CURB & GUTTER)	35	LF	45
36	COT 334	CONCRETE AS-BUILT	24,25,27	EA	1
37	COT 335	CONTRACTOR QUALITY CONTROL		LSUM	1
38	SPECIAL	8 INCH HDPE WALL ANCHOR (DIPS)(RJ), COMPLETE IN PLACE	26	EA	17
39	SPECIAL	OWNER ALLOWANCE	18	ALLOW/USD	10,000

WATERLINE CONSTRUCTION NOTES (REV. 5/15/25)

1. THE CITY OF TULSA FIELD ENGINEERING DEPARTMENT SHALL INSPECT ALL TRENCHING, BEDDING, PIPE INSTALLATION, BACKFILL AND COMPACTION.
2. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CURRENT STANDARD SPECIFICATIONS AND STANDARD DETAILS OF THE CITY OF TULSA PUBLIC WORKS DEPARTMENT.
3. EXISTING SERVICE CONNECTIONS ARE TO BE KEPT IN SERVICE UNTIL CONNECTIONS TO NEW MAIN ARE MADE. ALL SERVICE LINE RECONNECTIONS SHALL BE MADE BY THE CONTRACTOR. SERVICE RECONNECTIONS SHALL BE INSTALLED AS PER CITY OF TULSA STANDARD SPECIFICATIONS AND STANDARD DETAILS.
4. MINIMUM COVER OVER WATER LINES SHALL BE AS NOTED ON THE PLANS.
5. CONTRACTOR SHALL REPLACE EXISTING GRASS WITH SEED/SOD OF THE SAME TYPE AND VARIETY OR AS NOTED ON PLANS.
6. CONTRACTOR SHALL BORE EXISTING TREES UNDER DRIP LINE, UNLESS DIRECTED OTHERWISE BY ENGINEER.
7. CONTRACTOR SHALL BORE EXISTING DRIVEWAYS, UNLESS DIRECTED OTHERWISE BY ENGINEER OF RECORD.
8. WATER OPERATIONS SHALL OPERATE ALL VALVES ON TRANSMISSION MAINS (16" AND LARGER). CONTRACTOR SHALL OPERATE ALL VALVES ON DISTRIBUTION MAINS (SMALLER THAN 16") WITH THE COORDINATION OF FIELD ENGINEERING AND WATER OPERATIONS AND IN THE PRESENCE OF A FIELD ENGINEERING INSPECTOR.

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

B. WHERE COMMERCIAL, INDUSTRIAL, OR CRITICAL CUSTOMERS ARE AFFECTED, AND FOR ALL LINES 16-INCH AND LARGER IN SIZE, FIELD ENGINEERING WILL REQUEST WATER OPERATIONS TO SHUT DOWN THE MAIN. THERE WILL BE A MINIMUM OF 48-HOUR NOTICE TO WATER OPERATIONS.
9. CONTRACTOR SHALL PROVIDE AT LEAST 48 HOUR NOTICE TO ALL RESIDENTS OR BUSINESSES AFFECTED BEFORE TURNING OFF ANY WATER. CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING DOOR HANGERS ON AFFECTED HOMES AND BUSINESSES.
10. CONTRACTOR SHALL GIVE THE NOTIFICATION CENTER OF THE OKLAHOMA ONE-CALL SYSTEM, INC, NOTICE OF ANY EXCAVATION NO LATER THAN 48 HOURS OR SOONER THAN 10 DAYS PRIOR TO COMMENCEMENT OF WORK (EXCLUDING SATURDAYS, SUNDAYS, LEGAL HOLIDAYS). PHONE: 1-800-522-6543.
11. LOCAL AND THROUGH TRAFFIC SHALL BE MAINTAINED THROUGH PROJECT AT ALL TIMES. OPEN CUT STREET CROSSINGS REQUIRE AN APPROVED TRAFFIC CONTROL PLAN WITH TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH CURRENT MUTCD REQUIREMENTS.
12. ANY DAMAGE CAUSED BY THE CONTRACTOR TO ADJACENT TRAFFIC SIGNAL INFRASTRUCTURE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE TRAFFIC ENGINEER.
13. PRIOR TO PAVEMENT SAWING AND EXCAVATION NEAR SIGNALIZED INTERSECTION, CONTRACTOR SHALL CONTACT PUBLIC WORKS AND TRAFFIC OPERATIONS (918-596-9766) FOR SITE SPECIFIC, UNDERGROUND TRAFFIC UTILITY LOCATES.
14. CONSTRUCTION FOR ALL ENGINEERING SERVICE FACILITIES SHALL BE IN COMPLIANCE WITH THE LATEST EDITION OF TITLE 252, DEPARTMENT OF ENVIRONMENTAL QUALITY, CHAPTER 626, PUBLIC WATER SUPPLY CONSTRUCTION STANDARDS, OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY (ODEQ).
15. ALL EXCAVATED MATERIAL NOT REQUIRED IN OTHER AREAS OF THE PROJECT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF BY THE CONTRACTOR IN A MANNER ACCEPTABLE TO THE ENGINEER WITHOUT COST TO THE CITY. THE CONTRACTOR SHALL BE REQUIRED TO OBTAIN AN EARTH CHANGE PERMIT IF ANY EXCESS MATERIAL IS TO BE DISPOSED OF WITHIN THE CITY LIMITS OF TULSA.
16. ANY CHANGES FROM THE APPROVED PLANS SHALL BE SUBMITTED TO THE CITY OF TULSA FOR WRITTEN APPROVAL PRIOR TO INSTALLATION.



REVISION	BY	DATE

CONSTRUCTION NOTES

PROJECT NO. TMUA-W 25-03 C3

2" WATERLINE REPLACEMENT -
VICINITY OF 31ST TO 41ST STREETS AND
LEWIS TO WHEELING AVENUES,

CITY OF TULSA, OKLAHOMA
WATER & SEWER DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
Kimley»Horn

1437 South Boulder
Avenue, Suite 930, Tulsa,
OK 74119
OK License No. 2740 Exp.
Date 06/30/2027
(918) 209-3191

PLAN SCALE:	DRAWN	OCB	8/28/25	APPROVED:
1"=20'	DESIGNED	RWS	8/28/25	
	SURVEY	DB	8/28/25	
PROFILE SCALES:	PROJ MNGR.:			John G. M... DESIGN MANAGER
HORIZONTAL:	LEAD ENGR.:	RWS	8/28/25	
1"=20'	FIELD MNGR.:	DB	5/26	
VERTICAL				
1"=5'				

DRAWING:	
ATLAS PAGE NO:	95
	SHEET 3 OF 29

PLOT DATE: 3/19/2026 10:53 AM, DRAWING NAME: WATER & WATERMETER SUMMARY.DWG

SUMMARY OF WATER LINE QUANTITIES																												
ITEM NO.	SPEC. NO.	ITEM DESCRIPTION	UNIT	8	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	TOTAL:					
SUMMARY OF WATERLINE QUANTITIES OPTION 1 - BASE BID OPEN CUT				PH LOCATION MAP	WATERLINE A	WATERLINE B	WATERLINE C	WATERLINE D				WATERLINE E				WATERLINE F				WATERLINE G	WATERLINE H	WATERLINE I		WATERLINE D1				
1	ODOT 220	SWPP DOCUMENTATION AND MANAGEMENT	LSUM																									
2	ODOT 880J	CONSTRUCTION TRAFFIC CONTROL	CD																						1			
3	COT 102	PROJECT SIGN	EA																						180			
4	COT 301	RIGHT-OF-WAY CLEARING AND RESTORING, COMPLETE IN PLACE	SY	28	212	222	227	146	178	203	125	167	120	139	194	107	158	124	111	117	60				1			
5	COT 302	EXCAVATION AND BACKFILL, UNCLASSIFIED	CY	21	282	296	302	146	178	270	169	222	160	185	259	143	211	165	148	117	60				2,644			
6	COT 303	MOBILIZATION	EA																						7			
7	ODOT 642	CONSTRUCTION STAKING (LEVEL II)	EA																						3,343			
8	COT 307	6 INCH DIP, CL 51 POLYETHYLENE WRAPPED, (RJ)	LF	280	40	40	40	20		40															1			
9	COT 312(A)	6 INCHX 6 INCH D.I. TEE (RJ)	EA	7									40	40			40	25	20	7	20	20			712			
10	COT 312(B)	6 INCH D.I. SLEEVE (RJ)	EA	14	2	2	2	1		2															1			
11	COT 312(C)	2 INCH D.I. PLUG (RJ)	EA										2	2		2	2	2	1	1	1	1			37			
12	COT 312(D)	6 INCH D.I. PLUG (RJ)	EA																						1			
13	COT 315(A)	3/4 INCH WATER METER CAN, LID & RIM	EA		9	10	11	6	7	8	8	10	4	2		8	5	8	4	5	7	5			1			
14	COT 315(B)	PRIVATE SERVICE CONNECTION BY LICENSED BONDED PLUMBER	EA																						1			
15	COT 317(A)	3-WAY FIRE HYDRANT, IN PLACE	EA	7	1	1	1	1	1	2		2			2										117			
16	COT 317(B)	12 INCH FIRE HYDRANT EXTENSION	EA										1	1		1	1	1	1						6			
17	COT 318(A)	VALVE BOX	EA		2	2	2	4	3	5		1	4	3	1	3	4	1	2	1					19			
18	COT 318(B)	VALVE BOX EXTENSION	EA																						7			
19	COT 325	SOD REPLACEMENT, LIKE KIND	VF	28	4	4	6	114	85	21	30				66	1	2	4	48	3	93	70			41			
20	COT 329(A)	PAVEMENT, REMOVAL AND REPLACEMENT (ASPHALT)	SY		5			22	62	193	95	195	64	80	194	106									6			
21	COT 329(B)	PAVEMENT, REMOVAL AND REPLACEMENT (CONCRETE)	SY		218	224	222	10	10	31	10	5													586			
22	COT 329(C)	PAVEMENT, REMOVAL AND REPLACEMENT (CURB & GUTTER)	LF		25	25	10	10	31	10	5														1,020			
23	COT 329(D)	PAVEMENT, REMOVAL AND REPLACEMENT (CONCRETE DRIVEWAY)	SY																						1,019			
24	COT 333(A)	2 INCH WATERLINE ABANDONMENT	LF																						170			
25	COT 333(B)	6 INCH WATERLINE ABANDONMENT	LF		375	392	395	350	398	343	290	302	212	241	322	189	321	297	196	352	225				95			
26	COT 334	CONSTRUCTION AS-BUILT	EA																						5,200			
27	COT 335	CONTRACTOR QUALITY CONTROL	LSUM																						14			
28	SPECIAL	OWNER ALLOWANCE	ALLOW (USD)																						1			
																												10,000
SUMMARY OF WATERLINE QUANTITIES OPTION 1A - DIP OPEN CUT																												
29	COT 307(A)	6 INCH DIP, CL 51 POLYETHYLENE WRAPPED, (RJ)	LF		64	59	122	151	69	118	53	40	79	66	151	20	86	73	101	96	27	22				1,392		
30	COT 307(B)	6 INCH DIP, CL 51 POLYETHYLENE WRAPPED	LF		317	341	286	199	331	247	260	137	184	199	173	199	227	99	254	203						3,903		
31	COT 312(A)	6 INCH D.I. 11-1/4 DEGREE BEND (RJ)	EA				2	2	1																	9		
32	COT 312(B)	6 INCH D.I. 22-1/2 DEGREE BEND (RJ)	EA					1																		11		
33	COT 312(C)	6 INCH D.I. 45 DEGREE BEND (RJ)	EA		4	3	3	2																		45		
34	COT 312(D)	6 INCHX 6 INCH D.I. TEE (RJ)	EA		1	1	1	2	1	4	2		2	3	2	2	6	2	5	4	2				19			
35	COT 315(A)	3/4 INCH WATER SERVICE CONNECTION (SHORT)	EA		3	4	5	2	1	3		1	2	1	1	1	1	2	1							43		
36	COT 315(B)	3/4 INCH WATER SERVICE CONNECTION (LONG)	EA		5	3	3	4	5	5	5	4	2	2	3	1	6	1	2	3	2					56		
37	COT 315(C)	1 INCH WATER SERVICE CONNECTION (SHORT)	EA			1	2																			6		
38	COT 315(D)	1 INCH WATER SERVICE CONNECTION (LONG)	EA		1	2	1																			11		
39	COT 315(E)	2 INCH WATER SERVICE CONNECTION (LONG)	EA																							1		
40	COT 317(A)	6 INCH GATE VALVE (RJ)	EA		1																					41		
41	COT 317(B)	6 INCH AIR RELIEF VALVE & VAULT	EA		2	2	2	4	2	5		1	4	3	1	3	4	4	1	2	1					5		
42	COT 328	6-INCH BORE	LF			1	1	22	1		19															129		
SUMMARY OF WATERLINE QUANTITIES OPTION 1B - PVC OPEN CUT																												
43	COT 307	6 INCH DIP, CL 51 POLYETHYLENE WRAPPED, (RJ)	LF		64	59	122	151	69	118	53	40	79	66	151	20	86	73	101	96	27	22				21		
44	COT 309(A)	6 INCH PVC, AWWA C900, CLASS 200, DR-14, (RJ)	LF		317	341	286	199	331	247	260	137	184	199	173	199	227	99	254	203						1,371		
45	COT 309(B)	6 INCH PVC, AWWA C900, CLASS 200, DR-14	LF																							3,903		
46	COT 312(A)	6 INCH D.I. 11-1/4 DEGREE BEND (RJ)	EA				2	2	1																	9		
47	COT 312(B)	6 INCH D.I. 22-1/2 DEGREE BEND (RJ)	EA					1																		11		
48	COT 312(C)	6 INCH D.I. 45 DEGREE BEND (RJ)	EA		4	3	3	2																		45		
49	COT 312(D)	6 INCHX 6 INCH D.I. TEE (RJ)	EA		1	1	1	2	1	4	2		2	3	2	2	6	2	5	4	2				19			
50	COT 315(A)	3/4 INCH WATER SERVICE CONNECTION (SHORT)	EA		3	4	5	2	1	3		1	2	1	1	1	1	2	1							43		
51	COT 315(B)	3/4 INCH WATER SERVICE CONNECTION (LONG)	EA		5	3	3	4	5	5	5	4	2	2	3	1	6	1	2	3	2					56		
52	COT 315(C)	1 INCH WATER SERVICE CONNECTION (SHORT)	EA			1	2																			6		
53	COT 315(D)	1 INCH WATER SERVICE CONNECTION (LONG)	EA		1	2	1																			11		
54	COT 315(E)	2 INCH WATER SERVICE CONNECTION (LONG)	EA																							1		
55	COT 317(A)	6 INCH GATE VALVE (RJ)	EA		1																							

SUMMARY OF VALVES & HYDRANTS							
WATERLINE	STATION	NORTHING	EASTING	TYPE	QUANTITY	OFFSET	ELEVATION
A	1+06.89'	413209.8939'	2571108.2096'	6" GATE VALVE	1	0	745.869'
A	4+72.77'	413211.2349'	2571464.0840'	HYDRANT	1	9.237' RT	759.411'
A	4+81.00'	413211.8116	2571479.7801	6" GATE VALVE	1	0	759.749'
B	5+00.00'	412887.1982	2571097.9708	6" GATE VALVE	1	0	747.745'
B	5+09.66'	412888.2913'	2571113.3750'	HYDRANT	1	7.867' RT	748.366'
B	7+65.83'	412891.4532	2571363.1708	2" ARV	1	8.37' RT	757.867'
B	8+97.10'	412893.6008'	2571491.1114'	6" GATE VALVE	1	0	755.520'
C	10+00.00'	412567.5557	2571090.2017	6" GATE VALVE	1	0	749.372'
C	12+19.62'	412571.0081	2571308.8845	2" ARV	1	8.14' RT	753.675'
C	13+26.50'	412572.6519'	2571415.8551'	HYDRANT	1	8.000' RT	750.735'
C	14+04.95'	412573.5067'	2571490.8488'	6" GATE VALVE	1	0	746.597'
D	15+03.00'	410966.7133'	2569326.5066'	6" GATE VALVE	1	0	692.495'
D	17+19.45'	411181.9613'	2569327.9534'	6" GATE VALVE	1	0	696.221'
D	17+76.09'	411240.7861'	2569330.3016'	HYDRANT	1	6.000' RT	699.944'
D	17+79.07'	411241.0112'	2569323.6056'	6" GATE VALVE	1	0	696.586
D	20+78.95'	411537.1019'	2569291.4713'	2" ARV	1	0	711.239'
D	20+86.98	411545.1286'	2569291.2531'	6" GATE VALVE	1	0	711.279'
D	22+69.22'	411727.4758'	2569291.7179'	HYDRANT	1	6.000' RT	710.225'
D	22+72.21'	411730.2737'	2569285.6247'	6" GATE VALVE	1	0	709.490
D	25+86.14'	412021.8235'	2569252.5288'	6" GATE VALVE	1	0	706.697'
D	25+89.26'	412024.6878'	2569242.4530'	HYDRANT	1	9.999' LT	706.740'
D	26+12.06'	412047.7343'	2569251.9136'	6" GATE VALVE	1	0	706.644'
D	26+15.06	412050.7243'	2569248.8673'	6" GATE VALVE	1	3.00' LT	706.76'
D	26+15.06	412050.7437	2569254.8673	6" GATE VALVE	1	3.00' RT	707.03'
E	30+03.00'	411185.0093'	2569330.8531'	6" GATE VALVE	1	0	696.349'
E	33+99.12'	411106.0370'	2569715.5772'	HYDRANT	1	10.000' RT	703.181'
E	34+02.15'	411115.7234'	2569719.5009'	6" GATE VALVE	1	0	702.582'
E	37+71.05'	411114.3905'	2570088.1895'	6" GATE VALVE	1	0	717.99
E	37+73.95'	411102.4153'	2570091.1894'	HYDRANT	1	12.000' RT	718.729'
E	38+14.21'	411123.6530'	2570127.6072'	6" GATE VALVE	1	0	720.724'
F	40+00.00'	412053.2333'	2569560.7861'	6" GATE VALVE	1	3.00' LT	713.210'
F	40+00.00'	412053.2819'	2569566.7857'	6" GATE VALVE	1	3.00' RT	713.090'
F	40+03.00'	412050.2433'	2569563.8250'	6" GATE VALVE	1	0	712.306'
F	45+17.10'	411749.3935'	2569840.6895'	6" GATE VALVE	1	0	704.821'
F	45+20.07'	411739.4512'	2569843.8510'	HYDRANT	1	10.000' RT	706.305'
F	47+48.55'	411753.8485'	2570072.0913'	2" ARV	1	10.64' RT	711.262'
F	47+85.45'	411747.8169'	2570106.2959'	6" GATE VALVE	1	0	713.810'
G	50+00.00'	412073.6883'	2570324.8197'	HYDRANT	1	0	701.481'
G	50+03.00'	412073.7122'	2570327.8196'	6" GATE VALVE	1	0	701.483'
G	52+82.10'	412054.0536'	2570598.1612'	6" GATE VALVE	1	0	716.840'
G	52+85.11'	412057.1336	2570601.1230	6" GATE VALVE	1	3.00' LT	716.840'
G	52+85.11	412051.1351	2570601.2518	6" GATE VALVE	1	3.00' RT	716.840'
H	55+02.23'	411935.7386'	2571031.3182'	6" GATE VALVE	1	0	738.678'
H	55+73.22'	411915.3661'	2571098.5062'	2" ARV	1	0	737.911'
H	56+48.99'	411895.7418'	2571172.1875'	HYDRANT	1	6.000' RT	735.476'
H	56+52.05'	411901.2832'	2571176.0114'	6" GATE VALVE	1	0	734.583'
H	59+97.11'	411903.0856'	2571515.2246'	6" GATE VALVE	1	0	719.709'
I	65+07.59'	410962.7705'	2570962.4632'	6" GATE VALVE	1	0	707.965'
I	67+58.32'	411208.1227'	2570974.2268'	HYDRANT	1	6.000' RT	721.642'
I	67+61.32'	411211.3331'	2570968.3370'	6" GATE VALVE	1	0	721.671'
I	70+73.21'	411522.8908'	2570962.3137'	6" GATE VALVE	1	0	735.816'

RESTRAINED JOINT LENGTH								
EBAA (DIP)	NOMINAL SIZE	HORIZONTAL BEND			VERTICAL BEND			DEAD ENDS
		45°	22.5°	11.25°	45° BEND TOP / BOTTOM	22.5° BEND TOP / BOTTOM	11.25° BEND TOP / BOTTOM	
	IN	FT	FT	FT	FT	FT	FT	FT
	6	5	2	1	9 / 5	5 / 2	3 / 1	22

RESTRAINED JOINT LENGTH			
EBAA (DIP)	TEE CONNECTION TYPE	TEES	
		LRN = 0	LRN = 10
	IN	FT	FT
	6 X 6	34	1



REVISION	BY	DATE

WATER SUMMARY (2 OF 2)

PROJECT NO. TMUA-W 25-03 C3

2" WATERLINE REPLACEMENT - VICINITY OF 31ST TO 41ST STREETS AND LEWIS TO WHEELING AVENUES,

CITY OF TULSA, OKLAHOMA
WATER & SEWER DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
Kimley»Horn

1437 South Boulder Avenue, Suite 930, Tulsa, OK 74119
OK License No. 2740 Exp. Date 06/30/2027 (918) 209-3191

PLAN SCALE:	DRAWN	OCB	8/28/25	APPROVED:
1"=20'	DESIGNED	RWS	8/28/25	
	SURVEY	DB	8/28/25	

PROFILE SCALES:

PROJ MNGR.:	
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HORIZONTAL:	LEAD ENGR.:	
1"=20'	FIELD MNGR.:	

VERTICAL		
1"=5'		

DESIGN MANAGER

DRAWING: WATER & WATERMETER SUMMARY.DWG

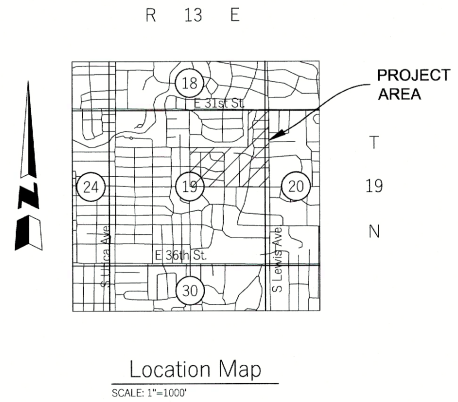
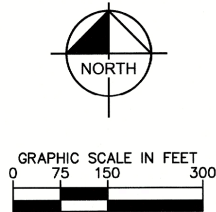
ATLAS PAGE NO: 95

SHEET 5 OF 29

PLOT DATE: 3/19/2026 10:53 AM, DRAWING NAME: WATER & WATERMETER SUMMARY.DWG

WATER METER LISTING						WATER METER LISTING						REPLACEMENT INFORMATION		FOR CONTRACTORS USE SERVICE LINE MATERIAL	
SHEET NO.	NO.	SERVICE ADDRESS	CUSTOMER NAME	NORTH COORDINATE	EAST COORDINATE	SIZE (IN)	MAKE	SHORT	LONG	METER LOCATION	METER CAN SIZE	PROPERTY SIDE	CITY OF TULSA SIDE		
10	1	2222 E 31ST PL	SMTH, SEAN L	413169.882	2571122.03	2	NE		X	045NSLL & 045NSLL & 045NSLL					
10	2	2222 E 31ST PL	SMTH, SEAN L	413163.8471	2571149.277	5/8	NE		X	045NSLL & 045NSLL & 045NSLL					
10	3	2233 E 31ST PL	BILBREY, TODD BLACKFORD	413245.8916	2571154.346	5/8	NE		X	NHL & SPK & NHL					
10	4	2241 E 31ST PL	CARSON, DREW T 2014 TRUST	413243.4421	2571266.867	5/8	NE		X	027WEHL & & 027WEHL					
10	5	2246 E 31ST PL	BROWN, DANIEL WILLIAM & LINDA H	413207.7836	2571282.731	5/8	NE	X		12WEHL 3SC & & 12WEHL 3SC					
10	6	2249 E 31ST PL	ARZATE, JORGE ADRIAN & MAGDALENA	413246.5597	2571375.688	5/8	NE		X	8WEHL & & 8WEHL					
10	7	2252 E 31ST PL	SHERWOOD, SUSAN	413208.1891	2571393.639	5/8	NE	X		EHL & & EHL					
10	8	2255 E 31ST PL	HARTMEYER, RICHARD & MARALEE	413248.3986	2571440.645	3/4	NE		X	ch 7mc tree & &					
10	9	2258 E 31ST PL	GULLEY, STEVEN D	413207.6912	2571450.472	5/8	NE	X		008WEHL & & 008WEHL					
11	10	2232 E 32ND ST	PASQUE, MICHAEL & ALEXANDRA E	412886.5827	2571159.813	5/8	NE	X		22W EHL 6S CUR & & 22W EHL 6S CUR					
11	11	2244 E 32ND ST	BAKER, DEBORAH L TRUSTEE	412882.9077	2571195.316	5/8	NE	X		EHL4SC & SPK & EHL4SC					
11	12	2244 E 32ND ST	BAKER, DEBORAH L TRUSTEE	412886.1532	2571229.784	1	NE	X		EHL4SC & SPK & EHL4SC					
11	13	2241 E 32ND ST S	HENDERSON FAMILY TRUST	412924.0905	2571247.812	1	NE		X	024WEHL & & 024WEHL					
11	14	2241 E 32ND ST S	HENDERSON FAMILY TRUST	412923.2335	2571260.467	5/8	NE		X	024WEHL & & 024WEHL					
11	15	2250 E 32ND ST	JAMES, MARGARET ANN REV TR	412888.7121	2571327.059	5/8	NE	X		003EDR WAY & & 003EDR WAY					
11	16	2249 E 32ND ST	CALDWELL, KAREN R FAMILY TRUST	412925.9913	2571328.227	3/4	NE		X	041EWHL & 041EWHL & 041EWHL					
11	17	2249 E 32ND ST	CALDWELL, KAREN R FAMILY TRUST	412924.0234	2571333.884	1	NE		X	CLBLDGSNCB & SPK & CLBLDGSNCB					
11	18	2258 E 32ND ST	RLC REVOCABLE TRUST	412889.1421	2571427.844	3/4	NE	X		in driveway & &					
11	19	2257 E 32ND ST	BRUMBLE, DANNY RAY & PAULETTE ANN	412926.9225	2571449.675	5/8	NE		X	018WEHL & & 018WEHL					
12	20	2232 E 32ND PL	NAIFEH, BARBARA J & SAMIR R	412564.9582	2571129.131	1	NE	X		024WEHL & & 024WEHL					
12	21	2232 E 32ND PL	NAIFEH, BARBARA J & SAMIR R	412561.5784	2571133.575	5/8	NE	X		024WEHL & & 024WEHL					
12	22	2233 E 32ND PL	FRETTE, DAVID J L & MARISSA (MISSY)	412604.1179	2571136.19	1	NE		X	18sdr 8ec on Zumis & &					
12	23	2240 E 32ND PL	ZAHNER, MICHAEL L & STEPHANIE R	412563.8695	2571184.629	5/8	NE	X		IN DR & IN DR & UN IN DR					
12	24	2241 E 32ND PL	THIESSEN, GUY & KIM TRUST	412603.8304	2571219.077	5/8	NE		X	18edr 4nc & &					
12	25	2246 E 32ND PL	LITTLETON, SUSAN F TRUST	412568.3074	2571280.047	5/8	NE	X		022EWHL & & 022EWHL					
12	26	2251 E 32ND PL	HUNT, BRIAN TODD & KATY LUCINDA REV	412606.6434	2571362.825	3/4	NE		X	8e steps 5nc & &					
12	27	2252 E 32ND PL	FRIEDL, KELLY J & BEVERLY B TIEES	412568.8885	2571391.932	1	NE	X		006EEHL & SPK & 006EEHL					
12	28	2252 E 32ND PL	FRIEDL, KELLY J & BEVERLY B TIEES	412567.8011	2571413.558	5/8	NE	X		015WEHL & & 015WEHL					
12	29	2257 E 32ND PL	MALACKOWSKI, ROBERT BRIAN	412608.0728	2571417.417	5/8	NE		X	008EWHL & & 008EWHL					
12	30	2258 E 32ND PL	KENNEDY, THOMAS JOHN JR & HAYDEN GRAHAM	412571.2164	2571455.468	3/4	NE	X		13edr 5sc & &					
13	31	3545 S WHEELING AVE	ACKLEY, GAILA TRUSTEE	410873.4258	2569331.327	5/8	NE	X		9SSHLWHEELING & & 9SSHLWHEELING					
13	32	1717 E 38TH ST	SPARKS, JEFF ALAN & SHELLEY LYNN	411020.4336	2569278.576	5/8	NE		X	002NNHL & & 002NNHL					
13	33	3540 S WHEELING AVE	CARRIGO, TIMOTHY & TONJA PITZER	411053.4814	2569285.029	3/4	NE		X	010NSHL & 010NSHL & UN					
13	34	3536 S WHEELING AVE	SHERWOOD, DAVID M REV TRUST	411158.7648	2569291.046	5/8	NE		X	018SNHL & & 018SNHL					
13	35	3528 S WHEELING AVE	FIACABLE, ANTHONY & KATHLEEN P	411230.0505	2569282.861	5/8	NE		X	016NSHL & & 016NSHL					
13	36	3519 S WHEELING AVE	SHAY, BRADLEY DOUGLAS & NICOLE SCOTT	411277.7803	2569317.816	5/8	NE	X		50' S OF DRIVE 14' E OF CURB & &					
14	37	3524 S WHEELING AVE	HAGADORN, DAVID A & KATHRYN M	411308.3911	2569264.285	3/4	NE		X	003SNHL & & 003SNHL					
14	38	3514 S WHEELING AVE	BROWN, JAMES REX JR	411382.5099	2569260.132	5/8	NE		X	27 S NHL & & 27 S NHL					
14	39	3510 S WHEELING AVE	PATTERSON, GEORGE S REVOCABLE TRUST	411428.4863	2569259.219	5/8	NE		X	4NSHL & & 4NSHL					
14	40	1714 E 35TH ST	REVERE, SUZANNE	411531.2206	2569251.062	5/8	NE		X	015NSHL ON WHEEL & & 015NSHL ON WHEEL					
14	41	3349 S WHEELING AVE	ASPAN, BRIAN & MOLLY	411597.401	2569325.807	1	NE		X	24WEHL 3NC NEC & & 24WEHL 3NC NEC					
14	42	3346 S WHEELING AVE	BARNES, ANDREW & TORI	411650.1796	2569249.101	5/8	NE		X	020NSHL & & 020NSHL					
14	43	3346 S WHEELING AVE	BARNES, ANDREW & TORI	411672.241	2569255.006	1	NE		X	020NSHL & & 020NSHL					
15	44	3340 S WHEELING AVE	CLIFFORD, THOMAS J & CONSTANCE M REV	411731.0195	2569247.72	1	NE		X	41NSHL 6WC & spk & 41NSHL 6WC					
15	45	3340 S WHEELING AVE	CLIFFORD, THOMAS J & CONSTANCE M REV	411736.0694	2569246.758	5/8	NE		X	41NSHL 6WC & spk & 41NSHL 6WC					
15	46	3337 S WHEELING AVE	LYTAL REV TRUST	411763.7725	2569289.378	5/8	NE		X	15SDR 6EC & & 15SDR 6EC					
15	47	3334 S WHEELING AVE	MORALES, WILLIAM THOR & RACHEL	411831.028	2569245.597	5/8	NE	X		033SNHL & & 033SNHL					
15	48	3331 S WHEELING AVE	SLOVICK, ELIZABETH ANN	411833.8821	2569287.124	5/8	NE		X	16NSHL 8EC & & 16NSHL 8EC					
15	49	3326 S WHEELING AVE	HILBURN, DENNIS	411933.9595	2569240.391	5/8	NE	X		024SNBL & & 024SNBL					
15	50	3323 S WHEELING AVE	GRIFFIN, CHELSEY	411942.1842	2569284.066	5/8	NE		X	3 S DRIVE & & 3 S DRIVE					
15	51	3317 S WHEELING AVE	CONNOR, GEORGE E	411994.9322	2569297.332	5/8	NE		X	030EWHL & & 030EWHL					
16	52	1909 E 35TH PL	WEAVER, C MICHAEL & VICKI S REV TRUST	411206.2142	2569406.563	5/8	NE		X	27EWHL & & 27EWHL					
16	53	1909 E 35TH PL	WEAVER, C MICHAEL & VICKI S REV TRUST	411198.2397	2569434.296	5/8	NE		X	20WDRWY 6SC & & 20WDRWY 6SC					
16	54	1902 E 35TH PL	BRIDGES, MONDO L & COURTNEY C	411152.4293	2569447.613	3/4	NE	X		WHL & WHL & WHL					
16	55	1913 E 35TH PL	SMITH, DYLAN DAVIS & JULIA SUZANNE	411178.1596	2569510.085	5/8	NE		X						
16	56	1914 E 35TH PL	PARRISH, CAROLE DIANE TR	411118.7227	2569531.881	1	NE		X						
16	57	1914 E 35TH PL	PARRISH, CAROLE DIANE TR	411125.9997	2569566.418	5/8	NE	X		015WEPL & & 015WEPL					
16	58	1919 E 35TH PL	BLOCKER, ROBERT K & NANCY K	411158.1853	2569591.003	5/8	NE		X	010EWHL & & 010EWHL					
16	59	1919 E 35TH PL	BLOCKER, ROBERT K & NANCY K	411157.3413	2569599.702	5/8	NE		X						
17	60	1920 E 35TH PL	KEANEY, PATRICK M & MARY M	411113.9328	2569637.921	3/4	NE	X		006WEHL & & 006WEHL					
17	61	1927 E 35TH PL	GLENN FAMILY IRREVOCABLE TRUST	411148.7812	2569683.895	5/8	NE		X	18EWHL & & 18EWHL					
17	62	1926 E 35TH PL	BRANDON, SUSAN REV TRUST	411107.499	2569694.874	5/8	NE	X		021WEHL & & 021WEHL					
17	63	1933 E 35TH PL	STITT, JEREMY C & AMY	411138.8153	2569747.652	5/8	NE		X	031WEHL & & 031WEHL					
17	64	1932 E 35TH PL	VALENZUELA, SAMMYE L & RAFAEL	411101.8014	2569703.3	5/8	NE	X		019WEHL & & 019WEHL					
17	65	1936 E 35TH PL	LEE, MELANIE L	411088.7501	2569813.41	5/8	NE	X		12EWHL & & 12EWHL					
17	66	1939 E 35TH PL	STALL, DOUGLAS E & JO ANN TRUST	411136.3079	2569849.456	3/4	NE		X	003WEHL & & 003WEHL					
17	67	1942 E 35TH PL	ASHEVILLE PARTNERS LLC	411099.358	2569879.525	5/8	NE	X		012EDR & & 012EDR					
17	68	1945 E 35TH PL	SUBLETT, ANNE BULLOCK LIVING TRUST	411138.3415	2569887.538	1	NE		X	020EWHL & & 020EWHL					
17	69	1945 E 35TH PL	SUBLETT, ANNE BULLOCK LIVING TRUST	411152.086	2569914.235	5/8	NE		X	020EWHL & & 020EWHL					
18	70	1948 E 35TH PL	MCCARTNEY, JILL E	411100.815	2569962.489	5/8	NE	X		12EDR 4SC & & 12EDR 4SC					
18	71	1951 E 35TH PL	BEVILACQUA, S W SEPARATE TRUST	411138.2173	2569966.52	5/8	NE		X	009E DR & & 009E DR					
18	72	1954 E 35TH PL	BORROEL FAMILY TRUST	411102.8424	2570028.323	5/8	NE	X		WHL & WHL & WHL					
18	73	1957 E 35TH PL	GHEEN, TIMOTHY & VALERIE REV TRUST	411140.7678	2570029.248	5/8	NE		X	009EWHL & & 009EWHL					
19	74	3326 S XANTHUS AVE	MARLER, TREY & JILL	411914.0625	2569566.846	3/4	NE		X	nhi & & nhi					
19	75	3332 S XANTHUS AVE	NANCY L NELSON TRUST	411843.8225	2569574.231	5/8	NE		X	036NSHL & & 036NSHL					
20	76	3340 S XANTHUS AVE	HILL, JEFFREY & ERICA	411777.1212	2569610.584	5/8	NE	X		15WEHL & & 15WEHL					
20	77	1944 E 34TH ST	PRINCIPLE REVOCABLE TRUST	411747.2965	2569648.488	5/8	NE	X		024EWHL & & 024EWHL					
20	78	1941 E 34TH ST	JACKMAN, BRANDON & CYNTHIA	411774.3689	2569696.506	5/8	NE		X	018EWHL & & 018EWHL					
20	79	1948 E 34TH ST	DANA YEATMAN BALDWIN TRUST	411737.1438	2569733.364	3/4	NE	X		020WEHL & 020WEHL & UN					
20	80	1956 E 34TH ST	BEAVER, ANNA L	411737.1117	2569806.155	5/8	NE	X		011EDR & & 011EDR					
20	81	1949 E 34TH ST	STIRTON, SCOT	411773.6242	2569810.236	5/8	NE		X	25WEHL & 25WEHL & 25WEHL					
20	82	1962 E 34TH ST	BARKLEY, PHILIP & DONNA	411737.7735	2569894.639	5/8	NE	X		021WEHL & & 021WEHL					
20	83	1955 E 34TH ST	MORDHORST, COLLEEN	411775.7049	2569902.569	5/8	NE		X	6 W EHL & & 6 W EHL					
21	84	1968 E 34TH ST	KNIPPERS, LEIF & AUSTIN	411740.8487	2569947.401	5/8	NE	X		EBL & SPL & EBL					
21	85	1961 E 34TH ST	SHARRA P BOVASSO TRUST	411777.8119	2569973.876	5/8	NE		X	012WEHL & & 012WEHL					
21	86	1968 E 34TH ST	KNIPPERS, LEIF & AUSTIN	411742.8471	2569988.131	1	NE	X		024EWHL & & 024EWHL					
21	87	3408 S YORKTOWN AVE	BRENDA BROTHERS TRUST	411740.9121	2570031.789	5/8	NE	X		015WEHL & & 015WEHL					
21	88	3401 S YORKTOWN AVE	MCCARROLL, MELANIE K.	411747.6949	2570117.934										

PLOT DATE: 12/17/2025 10:12 AM, DRAWING NAME: OVERALL KEY MAP.DWG



LEGEND

- BM #902 BENCHMARK
- 664.29 EXISTING GRADE
- 663.12 TOP OF PIPE
- ROAD ASPHALT PAVEMENT
- ROAD CONCRETE PAVEMENT
- WATERLINE ABANDONMENT
- PROPOSED WATERLINE
- WATER METER RELOCATION
- WATER METER RESET
- WATERLINE BACKFILL



REVISION	BY	DATE

OVERALL KEY MAP

PROJECT NO. TMUA-W 25-03 *C3*

2" WATERLINE REPLACEMENT -
VICINITY OF 31ST TO 41ST STREETS AND
LEWIS TO WHEELING AVENUES,

CITY OF TULSA, OKLAHOMA
WATER & SEWER DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
Kimley»Horn
1437 South Boulder Avenue, Suite 930, Tulsa, OK 74119
OK License No. 2740 Exp. Date 06/30/2027 (918) 209-3191

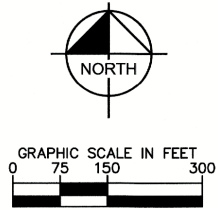
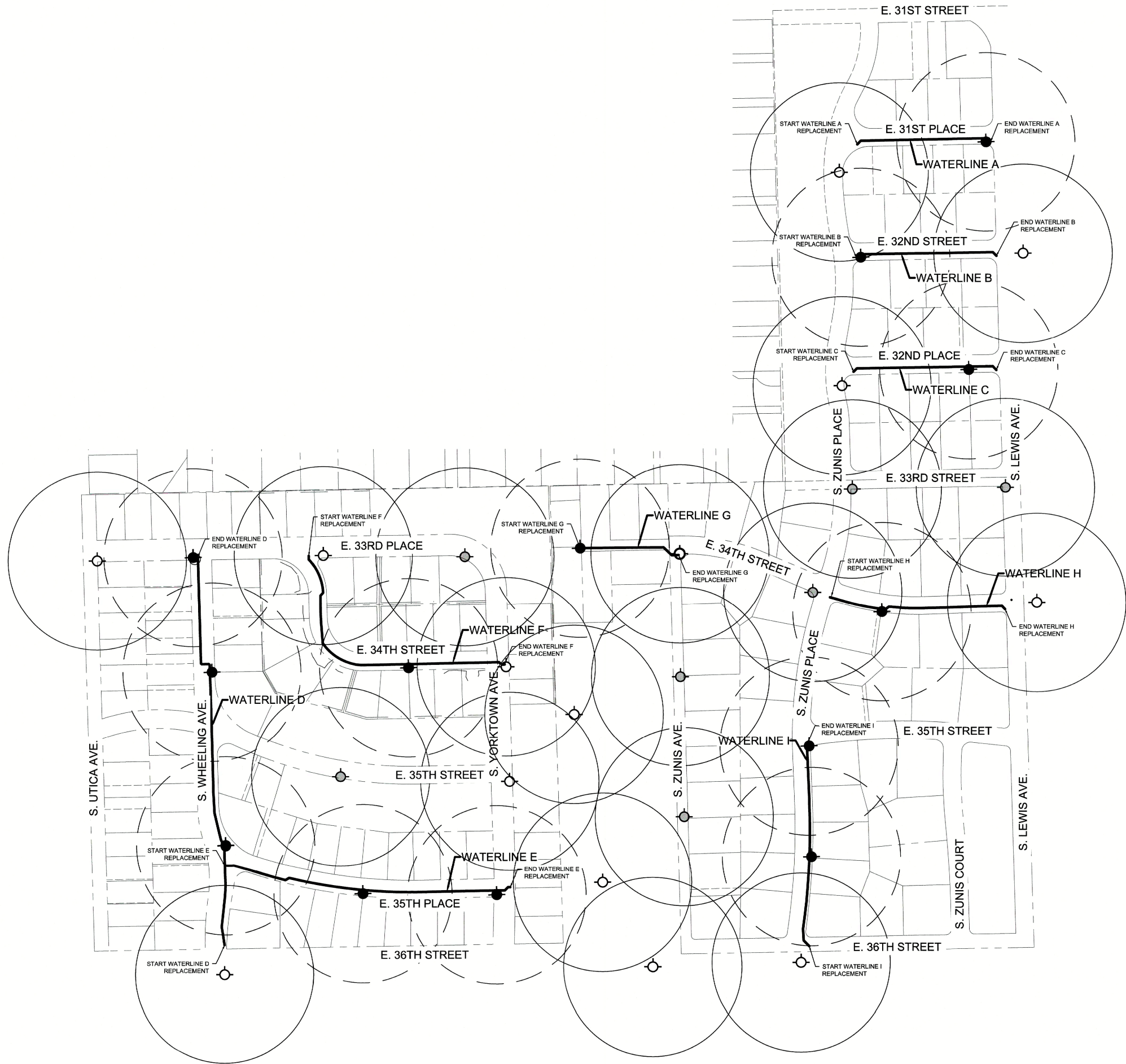
PLAN SCALE:	DRAWN	OCB	8/28/25	APPROVED:
1"=20'	DESIGNED	RWS	8/28/25	
	SURVEY	DB	8/28/25	
PROFILE SCALES:	PROJ MNGR.:			
HORIZONTAL:	LEAD ENGR.:	<i>OCB</i>	<i>8/26</i>	
1"=20'	FIELD MNGR.:	<i>OCB</i>	<i>8/26</i>	
VERTICAL:				
1"=5'				

DRAWING: OVERALL KEY MAP.DWG
ATLAS PAGE NO: 95
SHEET 7 OF 29



CITY OF TULSA PROJECT NO. TMUA-W 25-03

PLOT DATE: 3/19/2026 10:54 AM, DRAWING NAME: FIRE HYDRANT LOCATION MAP.DWG



LEGEND

- EXISTING FIRE HYDRANT TO REMAIN
- PROPOSED FIRE HYDRANT
- PROPOSED FIRE HYDRANT NOT ON PROPOSED WATERLINES
- EXISTING FIRE HYDRANT (500' DIA)
- PROPOSED FIRE HYDRANT (500' DIA)

NOTES

CONTRACTOR TO INSTALL FIRE HYDRANTS ON EXISTING LINES AS INDICATED ON THIS SHEET, 7 REQUIRED. FIRE HYDRANTS INSTALLED ON EXISTING LINES SHALL INCLUDE THE FOLLOWING QUANTITIES (PER FIRE HYDRANT):

- 4 S.Y. RIGHT-OF-WAY CLEARING AND RESTORING, COMPLETE IN PLACE
- 3 C.Y. EXCAVATION AND BACKFILL, UNCLASSIFIED
- 1 - 6" X 6" DUCTILE IRON TEE (RJ)
- 2 - 6" DUCTILE IRON SLEEVES (RJ)
- 1 - 3-WAY FIRE HYDRANT, IN PLACE (RJ)
- 40 L.F. 6" DIP RESTRAINED JOINT PIPE
- 4 S.Y. SOLID SLAB SOD



REVISION	BY	DATE

FIRE HYDRANT LOCATION MAP			
PROJECT NO. TMUA-W 25-03 <i>C3</i>			
2" WATERLINE REPLACEMENT - VICINITY OF 31ST TO 41ST STREETS AND LEWIS TO WHEELING AVENUES,			
CITY OF TULSA, OKLAHOMA WATER & SEWER DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY: Kimley»Horn 1437 South Boulder Avenue, Suite 930, Tulsa, OK 74119 OK License No. 2740 Exp. Date 06/30/2027 (918) 209-3191			
PLAN SCALE:	DRAWN	OCB	8/28/25
1"=20'	DESIGNED	RWS	8/28/25
	SURVEY	DB	8/28/25
PROFILE SCALES:	PROJ MNGR.:		
HORIZONTAL:	LEAD ENGR.:	<i>AEW</i>	<i>3/26</i>
	FIELD MNGR.:	<i>AEW</i>	<i>3/26</i>
VERTICAL:			
DRAWING: FIRE HYDRANT LOCATION MAP.DWG			
ATLAS PAGE NO: 95		SHEET 8 OF 29	

CITY OF TULSA PROJECT NO. TMUA-W 25-03

SURVEY DATA

1. HORIZONTAL CONTROL:

- A. HORIZONTAL DATUM IS NAD-83(93) H.A.R.N. ADJUSTMENT - OKLAHOMA STATE PLANE COORDINATE SYSTEM (NORTH ZONE - 3501). THE PROVIDED GRID COORDINATES CAN BE CONVERTED TO GROUND COORDINATES BY DIVIDING THE COORDINATES BY AN AVERAGE COMBINATION FACTOR OF 0.999921741.
- B. LINEAR UNIT IS U.S. SURVEY FOOT.
- C. ACCURACY - 3rd ORDER OR BETTER.

2. BEARINGS:

- A. THE BEARINGS SHOWN ARE GRID BEARINGS DERIVED FROM THE OKLAHOMA STATE PLANE COORDINATE SYSTEM (NORTH ZONE) AND ARE NOT ASTRONOMICAL.
- B. THE ANGLE OF VARIANCE BETWEEN GRID NORTH AND THE ASTRONOMIC TRUE NORTH IS DEPICTED DIAGRAMMATICALLY.

3. VERTICAL CONTROL:

- A. VERTICAL DATUM IS NAVD 1988.
- B. ACCURACY - 3rd ORDER OR BETTER.

HORIZONTAL CONTROLS FOR THIS SURVEY ARE FROM THE OKLAHOMA STATE PLANE COORDINATE SYSTEM, NORTH ZONE 3501, NAD-83(93). PRIMARY CONTROLS WERE ESTABLISHED BY AERIAL DATA SERVICE, INC.. DISTANCE SHOWN ARE GRID DISTANCES. SECONDARY HORIZONTAL CONTROLS WERE ESTABLISHED BY GPS EQUIPMENT.

THE VERTICAL CONTROL FOR THIS SURVEY IS NAV-88. VERTICAL CONTROL WAS ESTABLISHED BY DIGITAL LEVELING EQUIPMENT USING THE DOUBLE LOOP BENCH LEVEL RUN METHOD.

SECTION CORNER REFERENCES HAVE BEEN FILED WITH THE OKLAHOMA DEPARTMENT OF LIBRARIES.

SECTION CORNER LAND TIES USED TO PROVIDE HORIZONTAL AND VERTICAL CONTROL:

ADS-STATION #58

N: 408239.916

E: 2569104.412

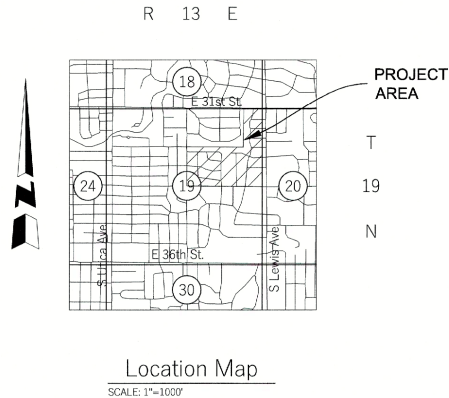
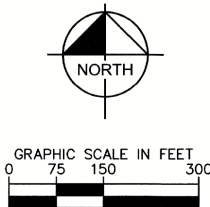
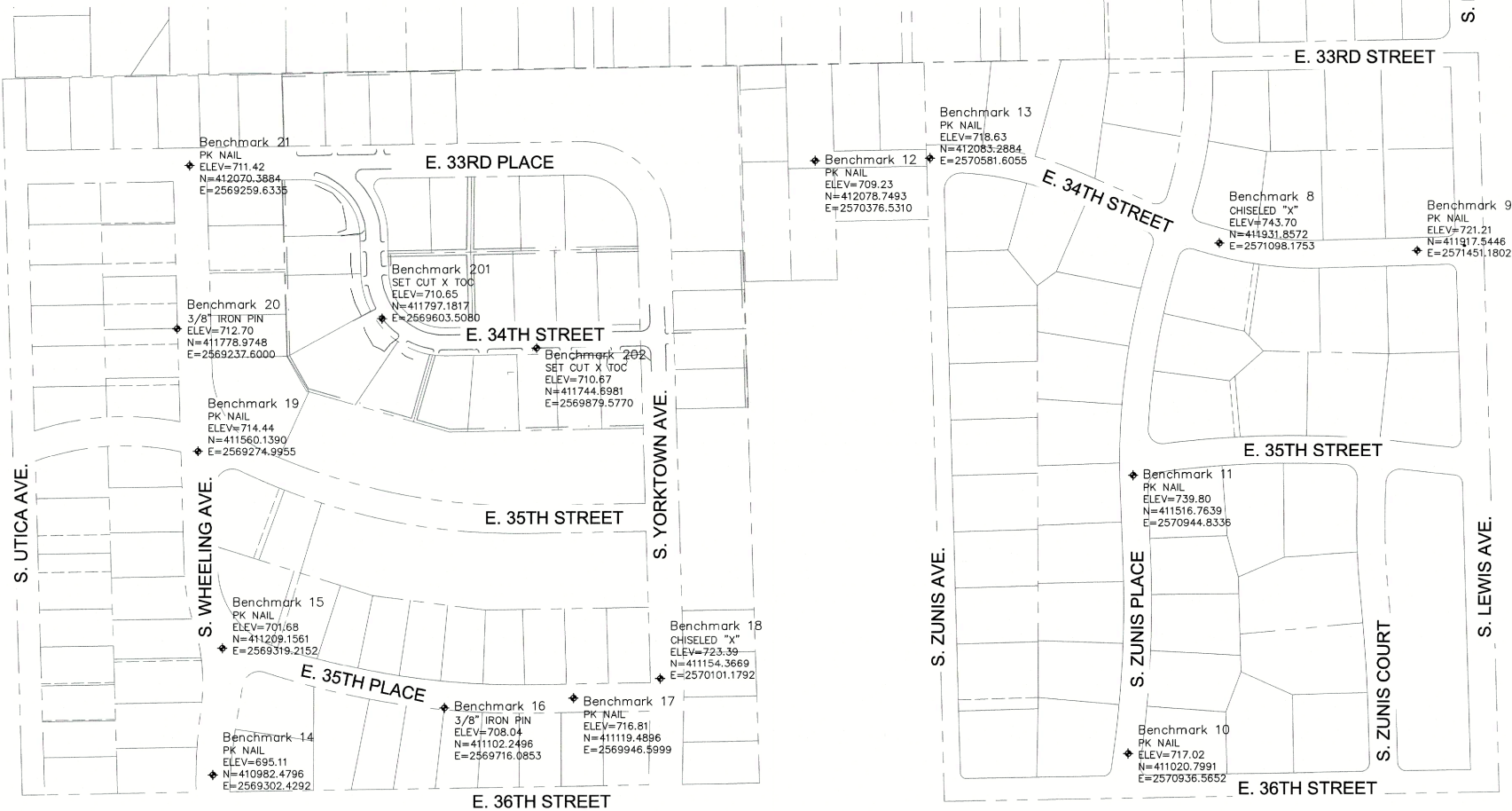
ELEV: 674.132 (NAVD 1988)

ADS-STATION #59

N: 413639.973

E: 2568781.877

ELEV: 681.502 (NAVD 1988)



REVISION	BY	DATE

SURVEY CONTROL SHEET

PROJECT NO. TMUA-W 25-03 *C3*

2" WATERLINE REPLACEMENT -
VICINITY OF 31ST TO 41ST STREETS AND
LEWIS TO WHEELING AVENUES,

CITY OF TULSA, OKLAHOMA
WATER & SEWER DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
Kimley»Horn
1437 South Boulder
Avenue, Suite 930, Tulsa,
OK 74119
OK License No. 2740 Exp.
Date 06/30/2027
(918) 209-3191

PLAN SCALE:	DRAWN	OCB	8/28/25	APPROVED:
1"=20'	DESIGNED	RWS	8/28/25	
	SURVEY	DB	8/28/25	
PROFILE SCALES:	PROJ MNGR.:			
HORIZONTAL:	LEAD ENGR.:	<i>NEW 3/26</i>		
1"=20'	FIELD MNGR.:	<i>Don 3/26</i>		
VERTICAL				
1"=5'				

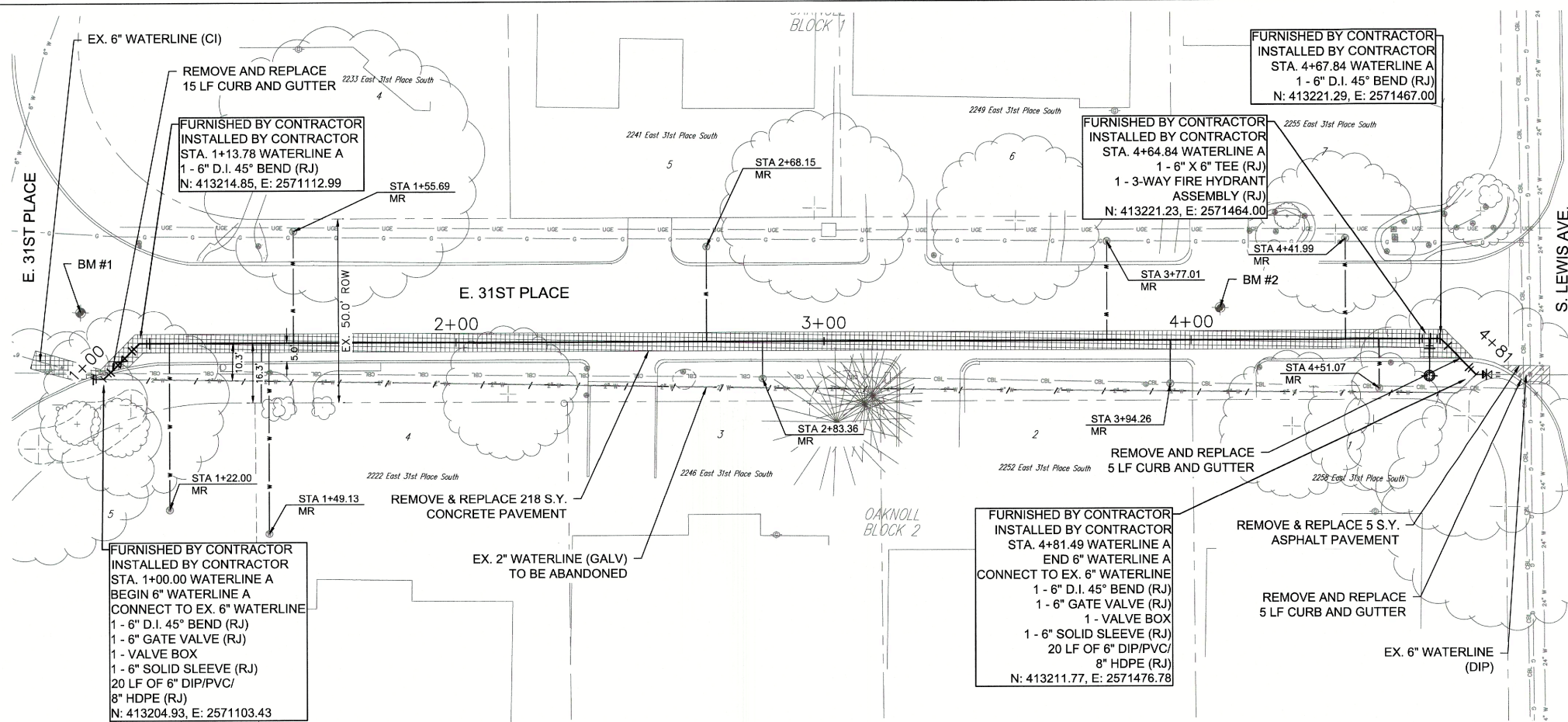
DRAWING: SURVEY CONTROL SHEET.DWG

ATLAS PAGE NO: 95

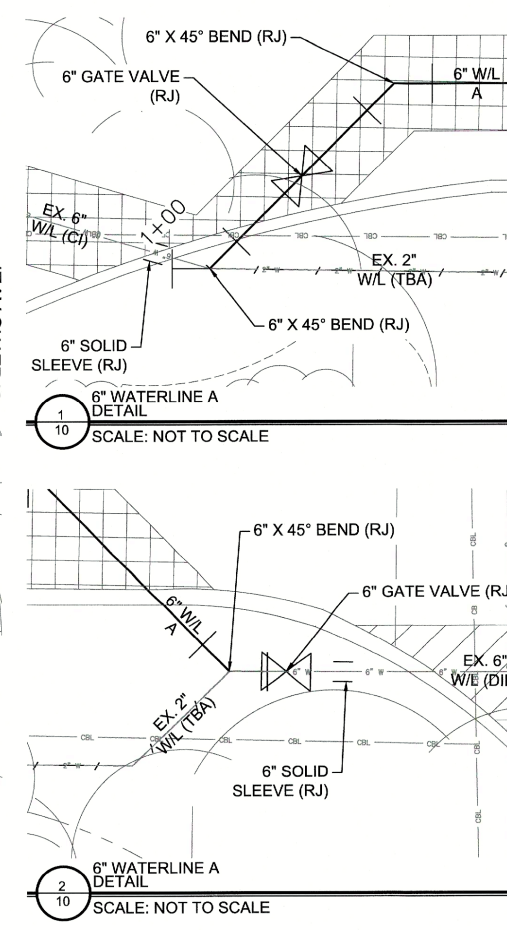
SHEET 9 OF 29



PLOT DATE: 12/17/2025 10:13 AM, DRAWING NAME: C-WATERLINE A.DWG



WATERLINE A PLAN



SERVICE CONNECTIONS

NO.	SERVICE TYPE
5	3/4\"
3	3/4\"
1	2\"

LEGEND

- BM #902 BENCHMARK
- 664.29 663.12 EXISTING GRADE TOP OF PIPE
- ROAD ASPHALT PAVEMENT
- ROAD CONCRETE PAVEMENT
- WATERLINE ABANDONMENT
- PROPOSED WATERLINE
- WATER METER RELOCATION
- WATER METER RESET
- WATERLINE BACKFILL



REVISION	BY	DATE

WATERLINE A STA 1+00 TO END

PROJECT NO. TMUA-W 25-03 C3

2\"

CITY OF TULSA, OKLAHOMA
WATER & SEWER DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
Kimley»Horn
1437 South Boulder Avenue, Suite 930, Tulsa, OK 74119
OK License No. 2740 Exp. Date 06/30/2027 (918) 209-3191

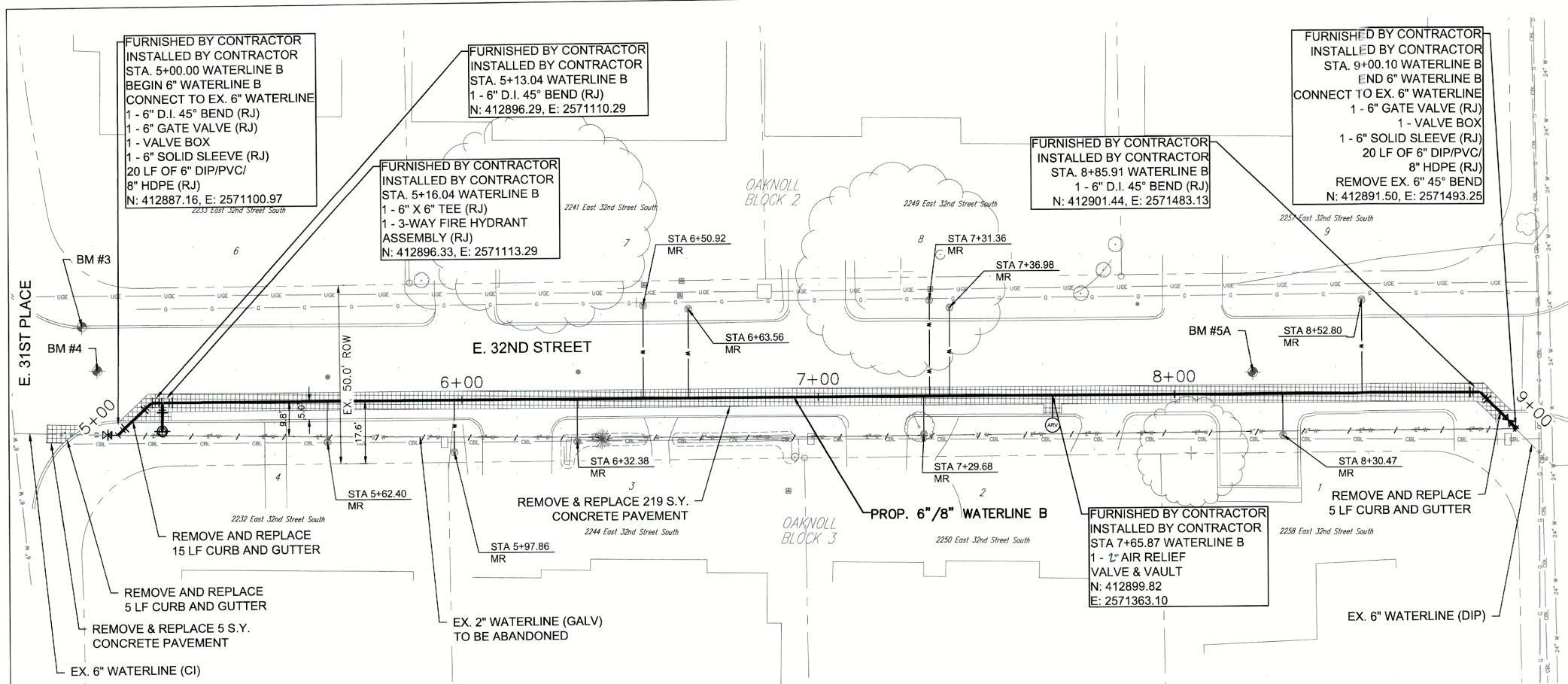
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	SURVEY	DB	8/28/25	
PROFILE SCALES:	PROJ MNGR.:			
HORIZONTAL:	LEAD ENGR.:	NEW 3/26		
1\"	FIELD MNGR.:	PRU 3/26		
VERTICAL:				
1\"				

DRAWING: C-WATERLINE A.DWG
ATLAS PAGE NO: 95
SHEET 10 OF 29

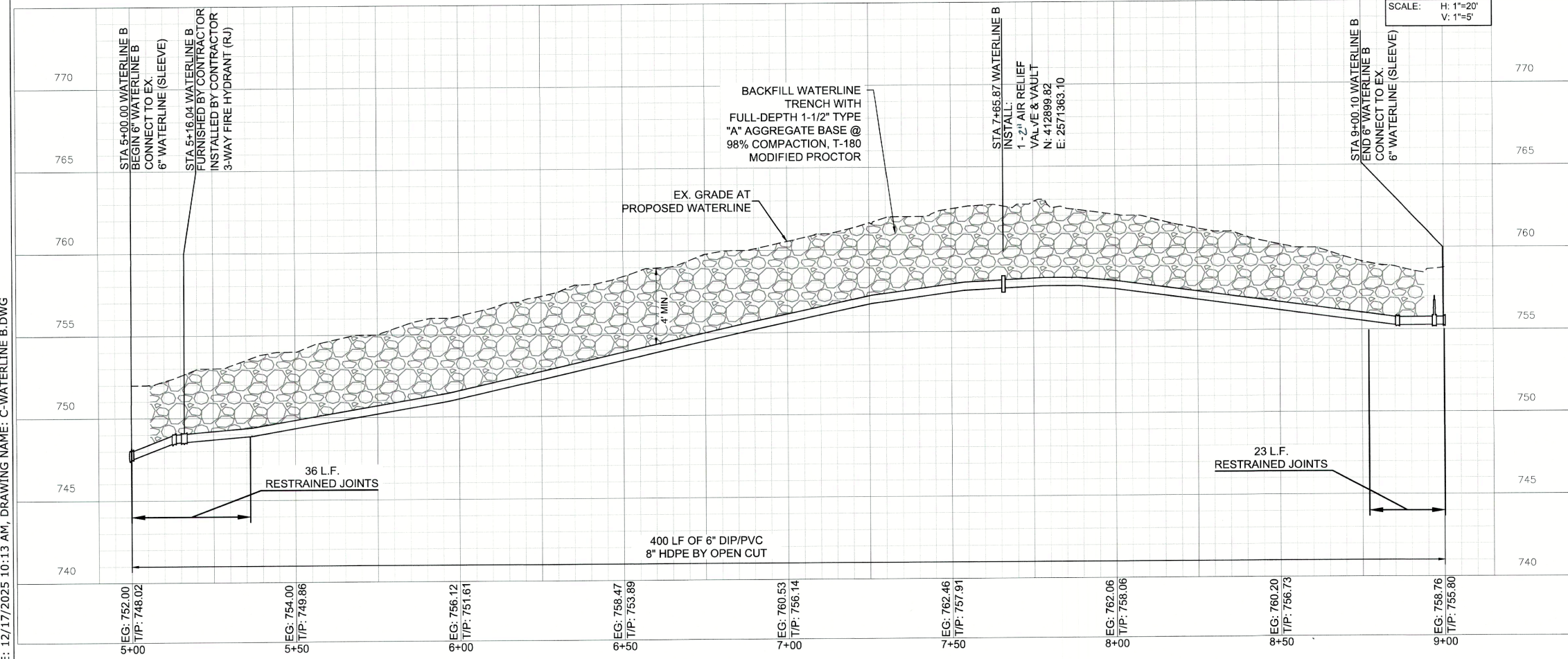


CITY OF TULSA PROJECT NO. TMUA-W 25-03

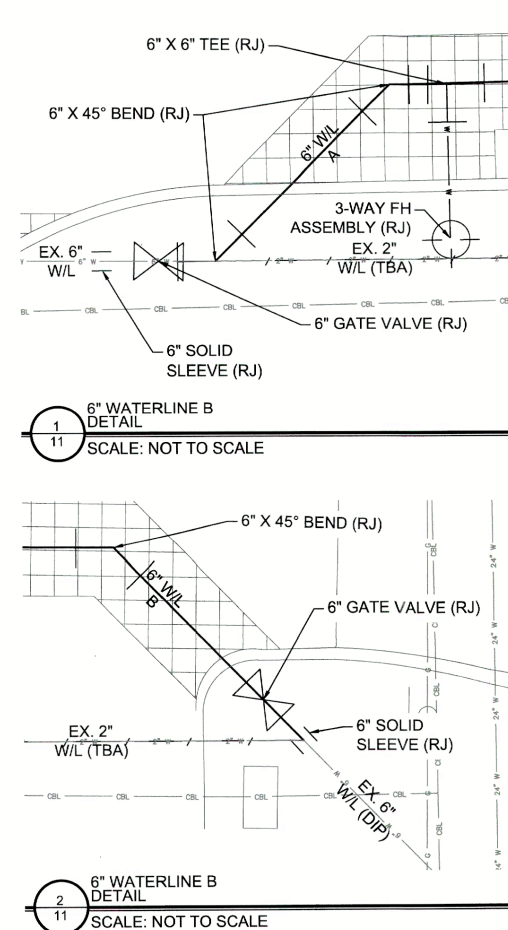
PLOT DATE: 12/17/2025 10:13 AM, DRAWING NAME: C-WATERLINE B.DWG



WATERLINE B PLAN



WATERLINE B PROFILE



SERVICE CONNECTIONS

NO.	SERVICE TYPE
3	3/4" WATER SERVICE CONNECTION (LONG)
4	3/4" WATER SERVICE CONNECTION (SHORT)
2	1" WATER SERVICE CONNECTION (LONG)
1	1" WATER SERVICE CONNECTION (SHORT)

LEGEND

- BM #902 BENCHMARK
- EXISTING GRADE TOP OF PIPE
- ROAD ASPHALT PAVEMENT
- ROAD CONCRETE PAVEMENT
- WATERLINE ABANDONMENT
- PROPOSED WATERLINE
- WATER METER RELOCATION
- WATER METER RESET
- WATERLINE BACKFILL



REVISION	BY	DATE

WATERLINE B STA 5+00 TO END

PROJECT NO. TMUA-W 25-03 C3

2" WATERLINE REPLACEMENT - VICINITY OF 31ST TO 41ST STREETS AND LEWIS TO WHEELING AVENUES,

CITY OF TULSA, OKLAHOMA
WATER & SEWER DEPARTMENT

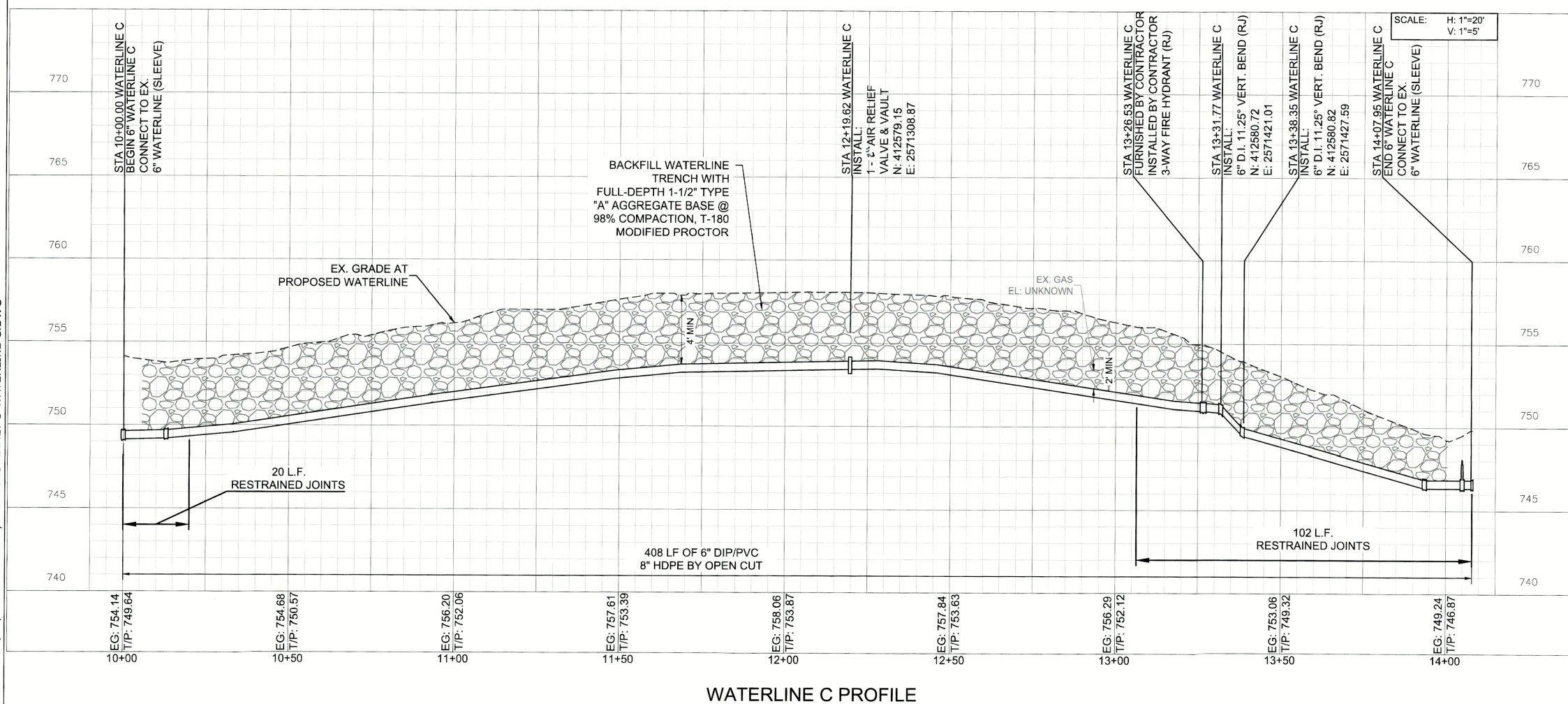
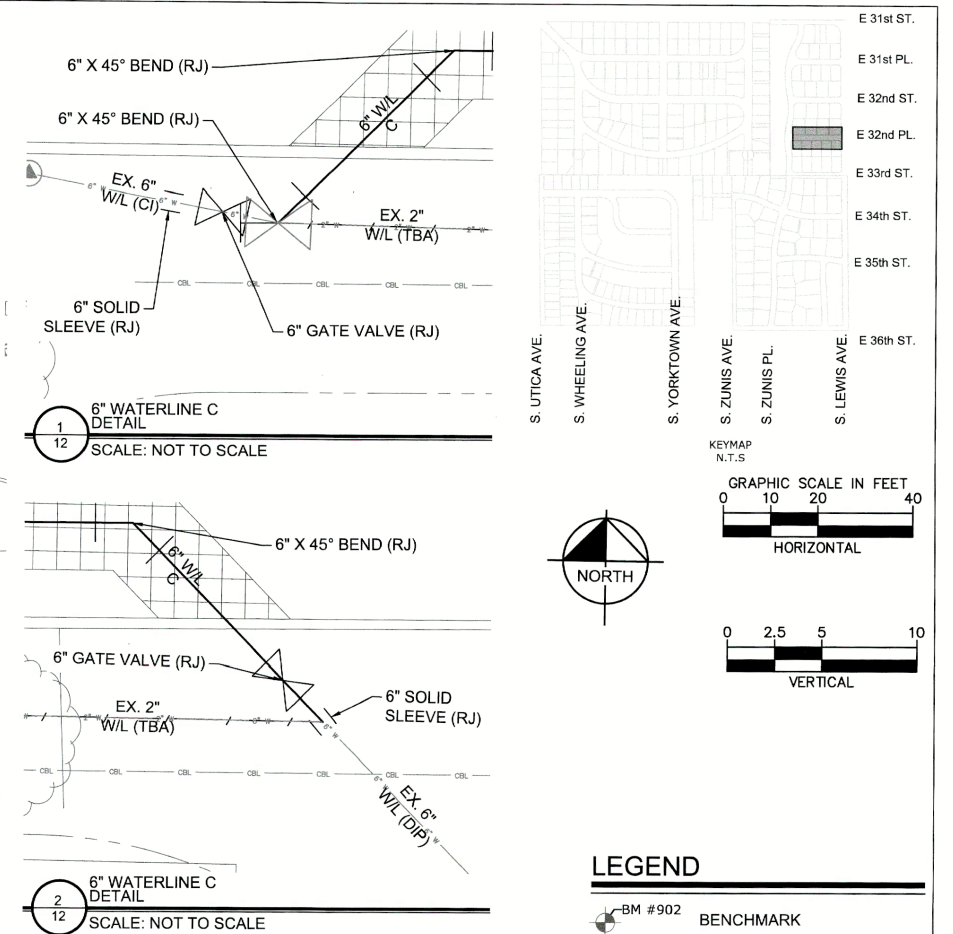
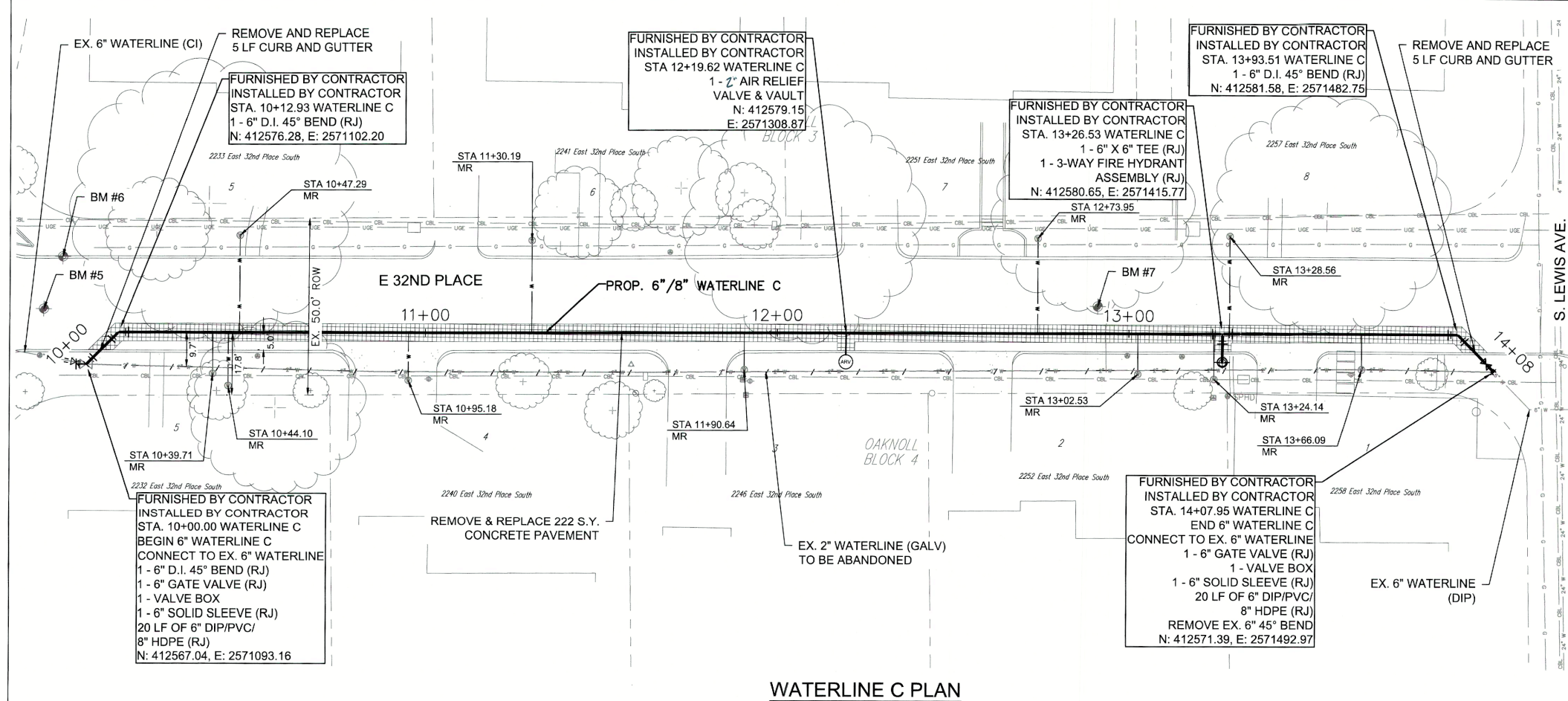
PLANS AND ESTIMATES PREPARED BY:
Kimley»Horn
1437 South Boulder Avenue, Suite 930, Tulsa, OK 74119
OK License No. 2740 Exp. Date 06/30/2027 (918) 209-3191

PLAN SCALE:	DRAWN	OCB	8/28/25	APPROVED:
1"=20'	DESIGNED	RWS	8/28/25	
	SURVEY	DB	8/28/25	
PROFILE SCALES:	PROJ MNGR.:			
HORIZONTAL:	LEAD ENGR.:			
1"=20'	FIELD MNGR.:			
VERTICAL:				
1"=5'				

DRAWING: C-WATERLINE B.DWG
ATLAS PAGE NO: 95
SHEET 11 OF 29



CITY OF TULSA PROJECT NO. TMUA-W 25-03



SERVICE CONNECTIONS

NO.	SERVICE TYPE
3	¾" WATER SERVICE CONNECTION (LONG)
5	¾" WATER SERVICE CONNECTION (SHORT)
1	1" WATER SERVICE CONNECTION (LONG)
2	1" WATER SERVICE CONNECTION (SHORT)

REVISION	BY	DATE

WATERLINE C STA 10+00 TO END

PROJECT NO. TMUA-W 25-03 C.3

2" WATERLINE REPLACEMENT -
VICINITY OF 31ST TO 41ST STREETS AND
LEWIS TO WHEELING AVENUES,

CITY OF TULSA, OKLAHOMA
WATER & SEWER DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:

Kimley»Horn Avenue, Suite 930, Tulsa,
OK 74119
OK License No. 2740 Exp.
Date 06/30/2027
(918) 209-3191

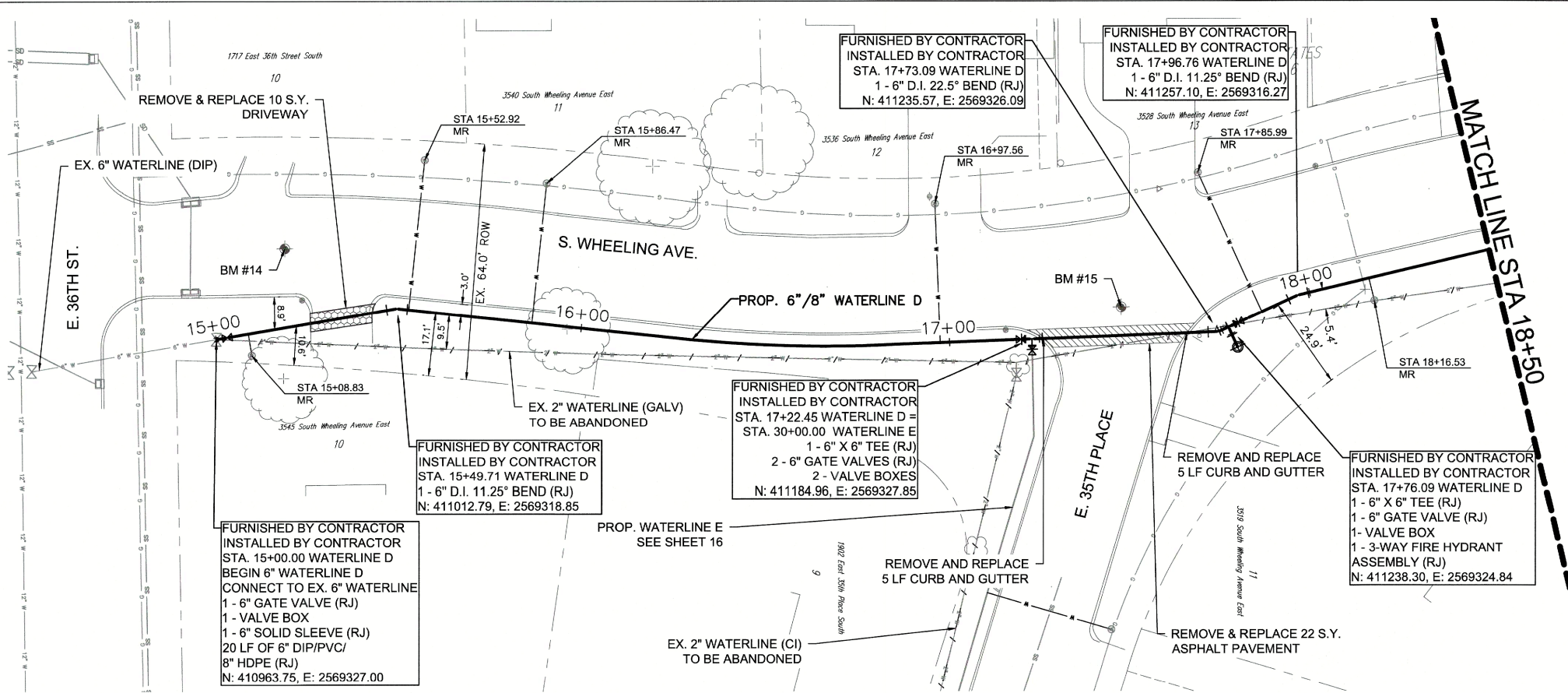
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	DESIGNED	RWS	8/28/25	
	SURVEY	DB	8/28/25	

PROFILE SCALES:	PROJ MNGR.:	
HORIZONTAL:	LEAD ENGR.:	CEW 2/26
		2:30

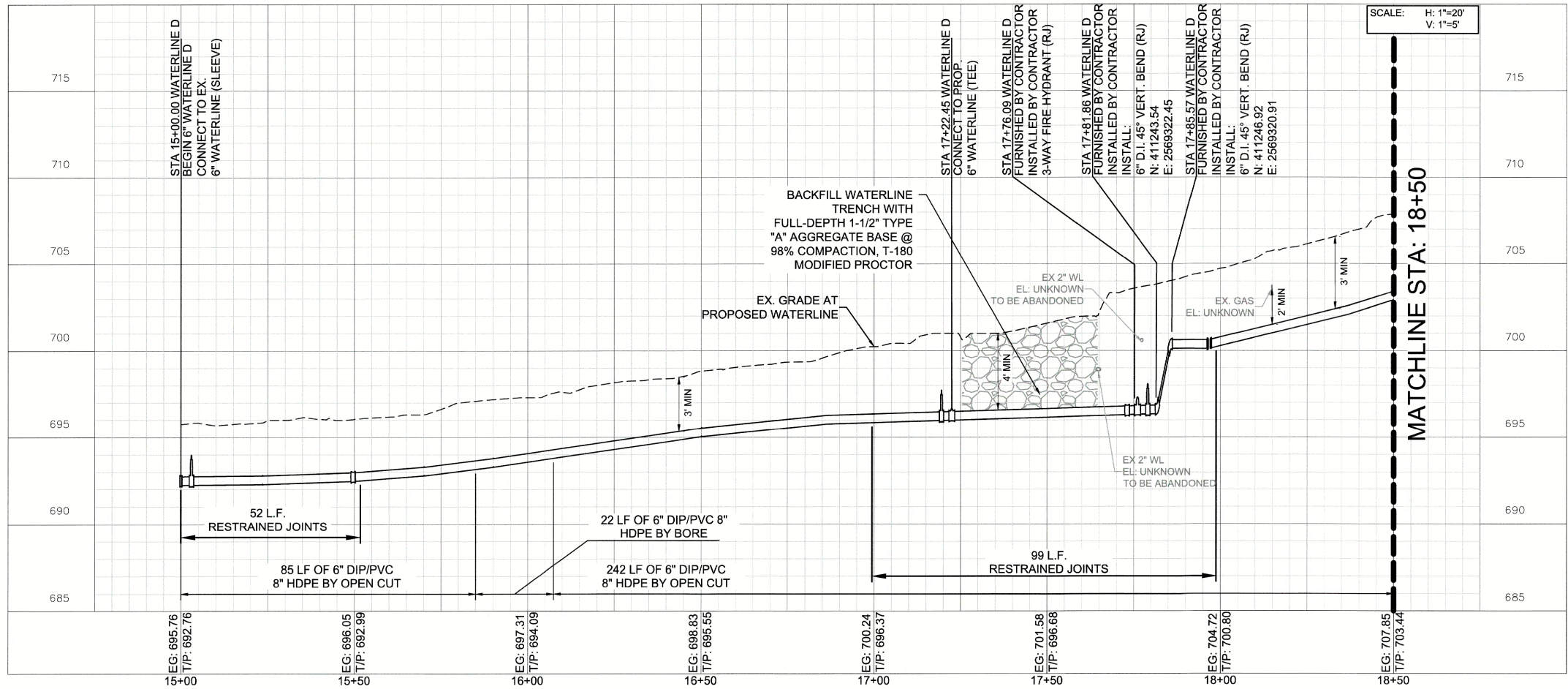
1"=20'	FIELD MNGR.: <i>John</i>	5/16	 DESIGN MANAGER
VERTICAL 1"=5'			

DRAWING: C-WATERLINE C.DWG	
ATLAS PAGE NO: 95	SHEET 12 OF 29

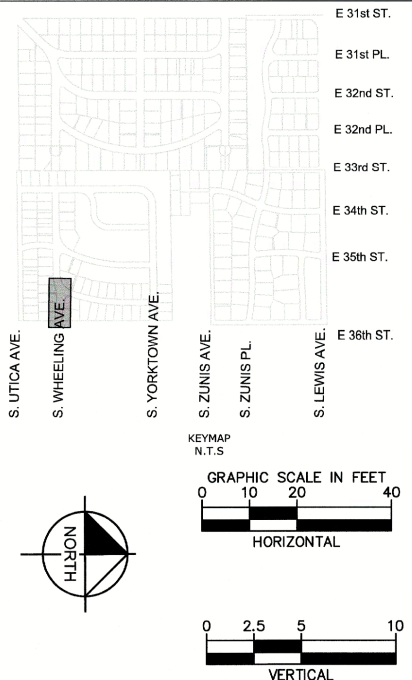
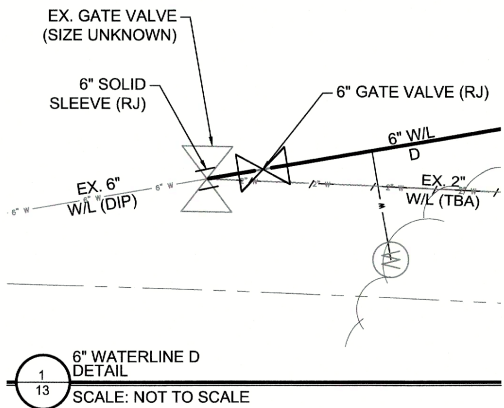
PLOT DATE: 12/17/2025 10:14 AM, DRAWING NAME: C-WATERLINE C.DWG



WATERLINE D PLAN



WATERLINE D PROFILE



SERVICE CONNECTIONS

NO.	SERVICE TYPE
4	3/4" WATER SERVICE CONNECTION (LONG)
2	3/4" WATER SERVICE CONNECTION (SHORT)

LEGEND

- BM #902 BENCHMARK
- 664.29 EXISTING GRADE
- 663.12 TOP OF PIPE
- ROAD ASPHALT PAVEMENT
- ROAD CONCRETE PAVEMENT
- WATERLINE ABANDONMENT
- PROPOSED WATERLINE
- WATER METER RELOCATION
- WATER METER RESET
- WATERLINE BACKFILL
- DRIVEWAY REPLACEMENT



REVISION	BY	DATE

WATERLINE D STA 15+00 TO 18+50

PROJECT NO. TMUA-W 25-03 *CS*

2" WATERLINE REPLACEMENT -
VICINITY OF 31ST TO 41ST STREETS AND
LEWIS TO WHEELING AVENUES,

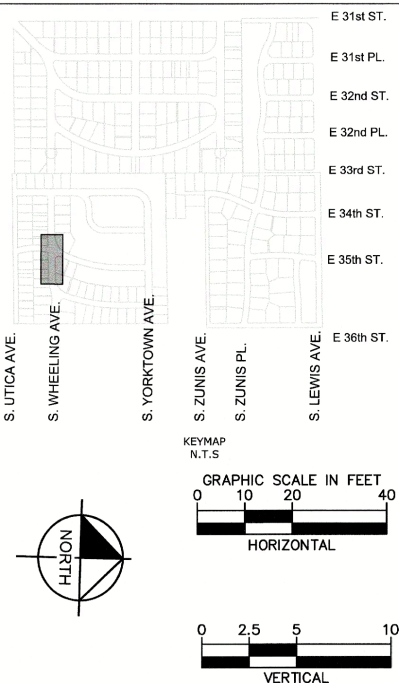
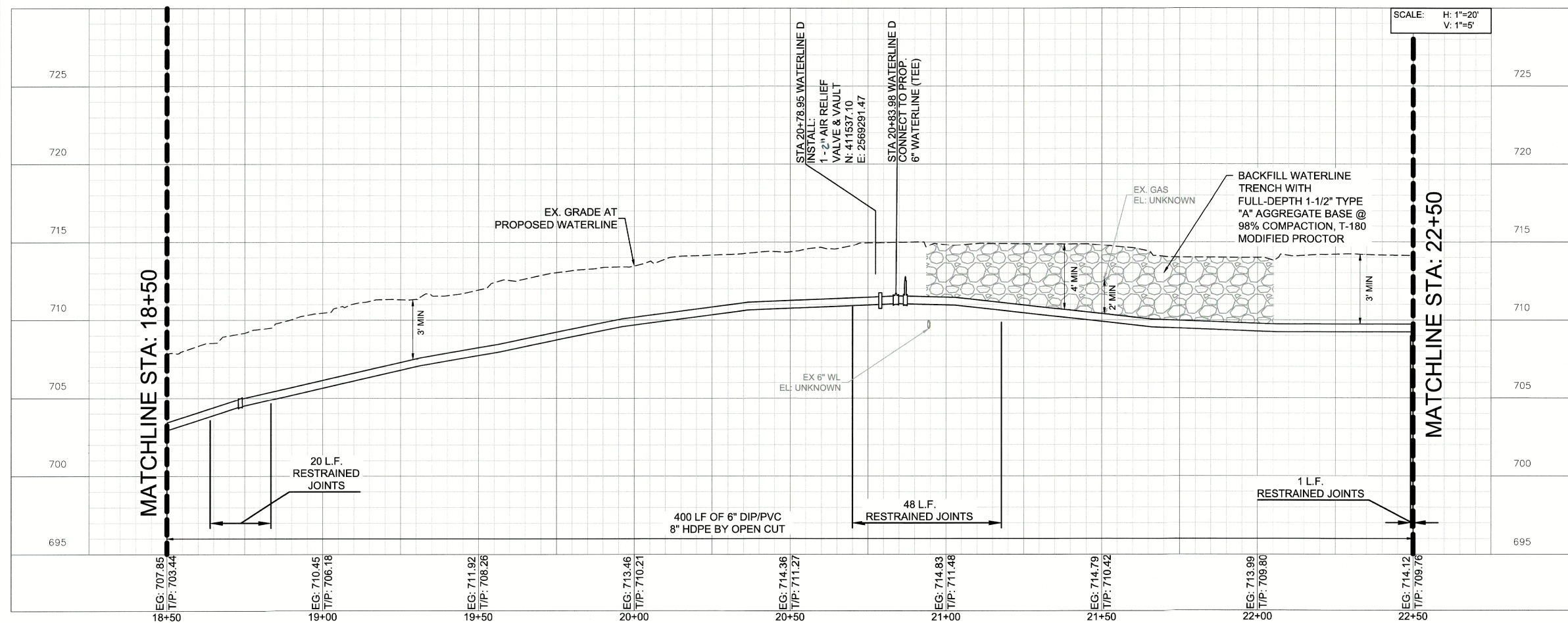
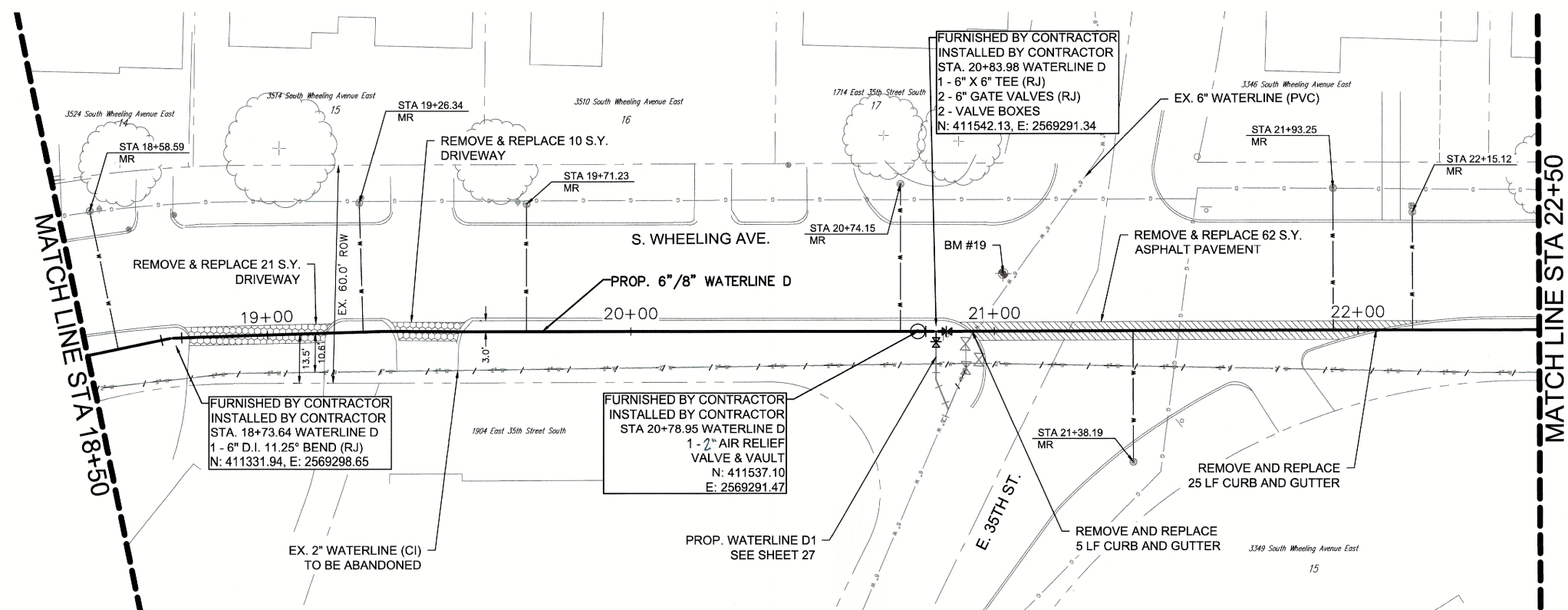
CITY OF TULSA, OKLAHOMA
WATER & SEWER DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
Kimley»Horn
1437 South Boulder Avenue, Suite 930, Tulsa, OK 74119
OK License No. 2740 Exp. Date 06/30/2027 (918) 209-3191

PLAN SCALE: 1"=20'	DRAWN DESIGNED SURVEY	OCB RWS DB	8/28/25 8/28/25 8/28/25	APPROVED:
PROFILE SCALES: HORIZONTAL: 1"=20' VERTICAL: 1"=5'	PROJ MNGR.: LEAD ENGR.: FIELD MNGR.:	 <i>John 3/26</i> <i>John 3/26</i>	 	

DRAWING: C-WATERLINE D (1).DWG
ATLAS PAGE NO: 95
SHEET 13 OF 29





SERVICE CONNECTIONS	
NO.	SERVICE TYPE
5	¾" WATER SERVICE CONNECTION (LONG)
2	1" WATER SERVICE CONNECTION (LONG)

LEGEND

	BM #902	BENCHMARK
664.29	663.12	<u>EXISTING GRADE</u> TOP OF PIPE
	ROAD ASPHALT PAVEMENT	
	ROAD CONCRETE PAVEMENT	
	WATERLINE ABANDONMENT	
	PROPOSED WATERLINE	
	WATER METER RELOCATION	
	WATER METER RESET	
	WATERLINE BACKFILL	
	DRIVEWAY REPLACEMENT	

WATERLINE D STA 18+50 TO 22+50

PROJECT NO. TMUA-W 25-03 C3

2" WATERLINE REPLACEMENT -
VICINITY OF 31ST TO 41ST STREETS AND
LEWIS TO WHEELING AVENUES,

CITY OF TULSA, OKLAHOMA
WATER & SEWER DEPARTMENT

ESTIMATES PREPARED BY:

mley»Horn

1437 South Boulder
Avenue, Suite 930, Tulsa,
OK 74119
OK License No. 2740 Exp.
Date 06/30/2027
(918) 209-3191

[illegible]

S: C-WATERLINE D (1).DWG	
PAGE NO: 95	SHEET 14 OF 29

PLOT DATE: 12/17/2025 10:14 AM, DRAWING NAME: C-WATERLINE D (1).DWG

811.
Know what's below.
Call before you dig.

CITY OF TULSA PROJECT NO. TMUA-W 25-03

PLOT DATE: 12/17/2025 10:15 AM, DRAWING NAME: C-WATERLINE D (1).DWG

MATCH LINE STA 22+50

MATCH LINE STA: 22+50

FURNISHED BY CONTRACTOR
INSTALLED BY CONTRACTOR
STA. 22+69.22 WATERLINE D
1 - 6" X 6" TEE (RJ)
1 - 6" GATE VALVE (RJ)
1 - VALVE BOX
1 - 3-WAY FIRE HYDRANT
ASSEMBLY (RJ)
N: 411727.28, E: 2569285.72

FURNISHED BY CONTRACTOR
INSTALLED BY CONTRACTOR
STA. 23+12.95 WATERLINE D
1 - 6" D.I. 45° BEND (RJ)
N: 411749.78, E: 2569262.75

FURNISHED BY CONTRACTOR
INSTALLED BY CONTRACTOR
STA. 23+16.29 WATERLINE D
1 - 6" D.I. 45° BEND (RJ)
N: 411752.09, E: 2569260.33

FURNISHED BY CONTRACTOR
INSTALLED BY CONTRACTOR
STA. 25+89.14 WATERLINE D
1 - 6" X 6" TEE (RJ)
1 - 6" GATE VALVE (RJ)
1 - VALVE BOX
1 - 3-WAY FIRE HYDRANT
ASSEMBLY (RJ)
N: 412024.82, E: 2569252.45

FURNISHED BY CONTRACTOR
INSTALLED BY CONTRACTOR
STA. 26+15.06 WATERLINE D
END 6" WATERLINE D
CONNECT TO EX. 6" WATERLINE
1 - 6" X 6" TEE (RJ)
3 - 6" GATE VALVES (RJ)
3 - VALVE BOXES
2 - 6" SOLID SLEEVES (RJ)
40 LF OF 6" DIP/PVC/
8" HDPE (RJ)
N: 412050.73, E: 2569251.87

STA 22+74.17
MR

STA 23+16.05
MR

STA 23+95.65
MR

3334 South Wheeling Avenue East

3326 South Wheeling Avenue East

STA 24+98.72
MR

1720 East 33rd Place South

STA 23+27.28
MR

STA 23+97.21
MR

FURNISHED BY CONTRACTOR
INSTALLED BY CONTRACTOR
STA. 22+93.38 WATERLINE D
1 - 6" D.I. 45° BEND (RJ)
N: 411750.25, E: 2569282.31

FURNISHED BY CONTRACTOR
INSTALLED BY CONTRACTOR
STA. 22+89.60 WATERLINE D
1 - 6" D.I. 45° BEND (RJ)
N: 411747.66, E: 2569285.06

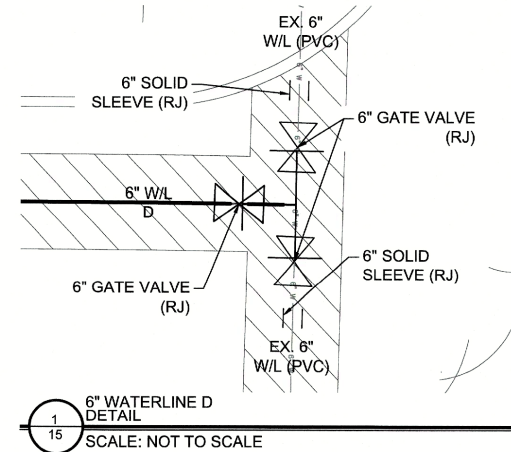
EX. 2" WATERLINE (CI) TO
BE ABANDONED

STA 25+05.73
MR

STA 25+57.74
MR

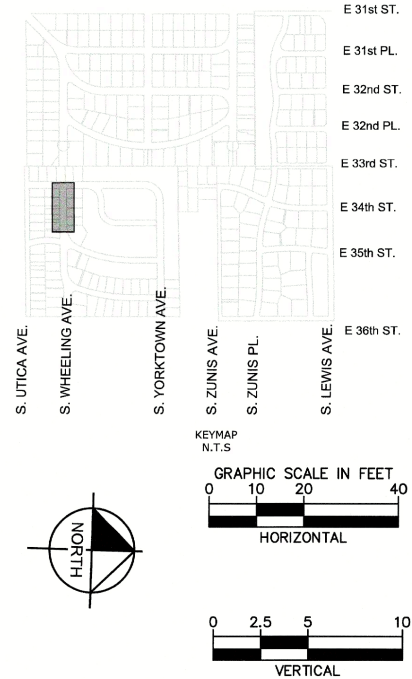
EX. 6" WATERLINE (PVC)

WATERLINE D PLAN

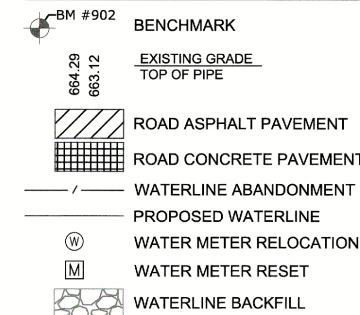


SERVICE CONNECTIONS

NO.	SERVICE TYPE
5	¾" WATER SERVICE CONNECTION (LONG)
2	¾" WATER SERVICE CONNECTION (SHORT)
1	1" WATER SERVICE CONNECTION (LONG)



LEGEND



WATERLINE D STA 22+50 TO END

PROJECT NO. TMUA-W 25-03 *C3*

2" WATERLINE REPLACEMENT -
VICINITY OF 31ST TO 41ST STREETS AND
LEWIS TO WHEELING AVENUES,

CITY OF TULSA, OKLAHOMA
WATER & SEWER DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
Kimley»Horn
1437 South Boulder
Avenue, Suite 930, Tulsa,
OK 74119
OK License No. 2740 Exp.
Date 06/30/2027
(918) 209-3191

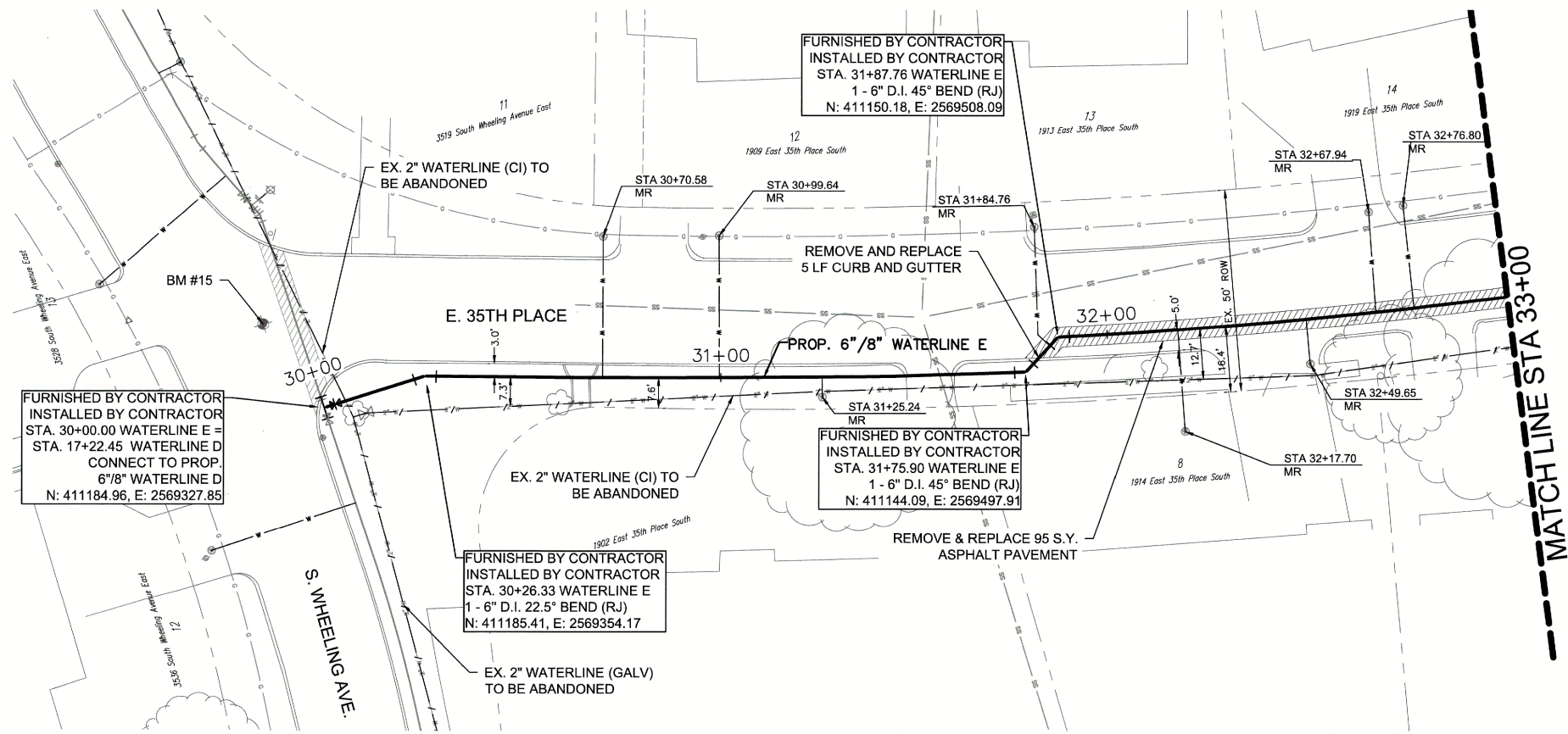
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	SURVEY	DB	8/28/25	
PROFILE SCALES:	PROJ MNGR.:			
HORIZONTAL:	LEAD ENGR.:	<i>Kevin 3/26</i>		
1"=20'	FIELD MNGR.:	<i>Kevin 3/26</i>		
VERTICAL				
1"=5'				

DRAWING: C-WATERLINE D (1).DWG
ATLAS PAGE NO: 95
SHEET 15 OF 29

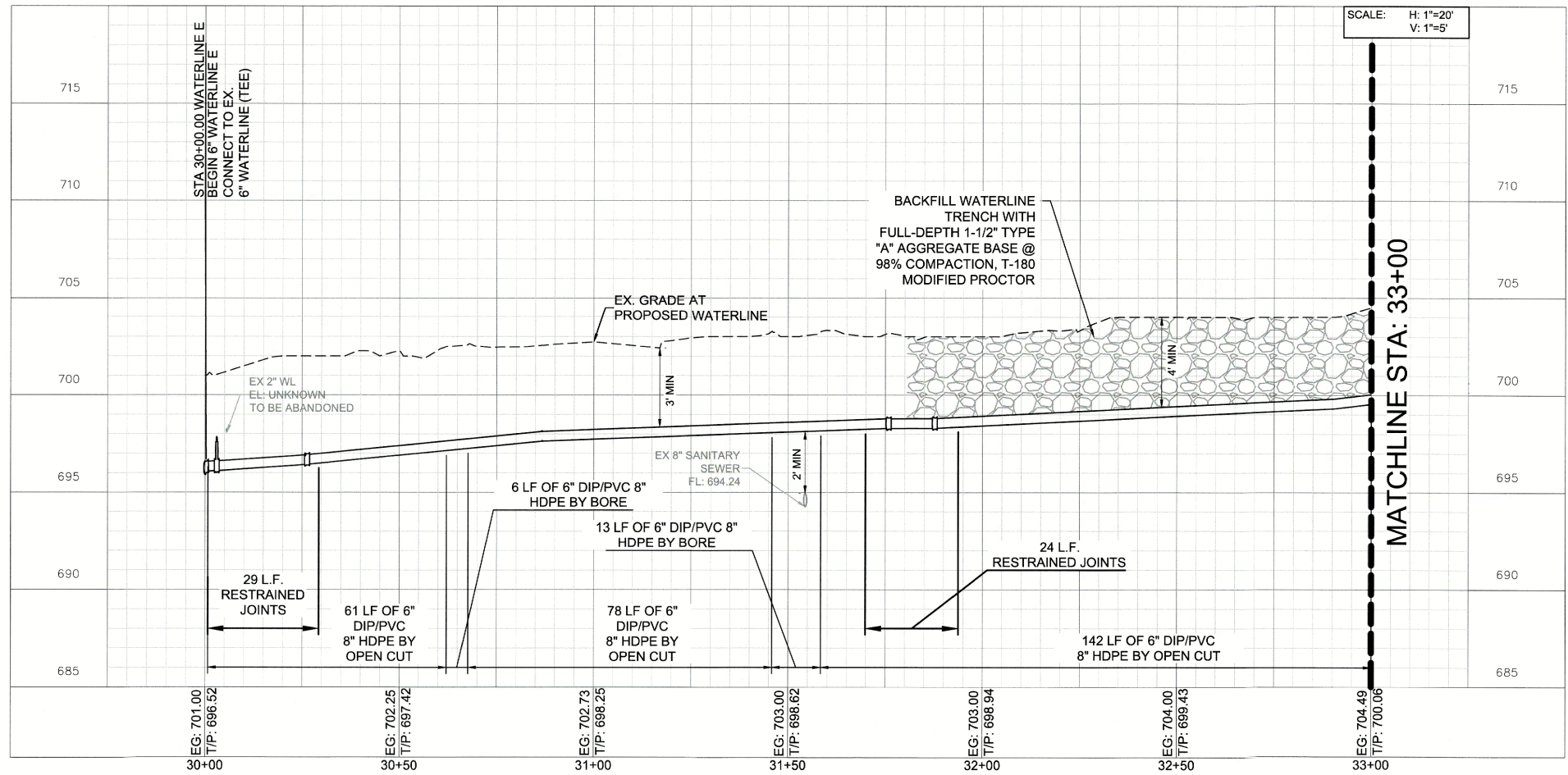


CITY OF TULSA PROJECT NO. TMUA-W 25-03

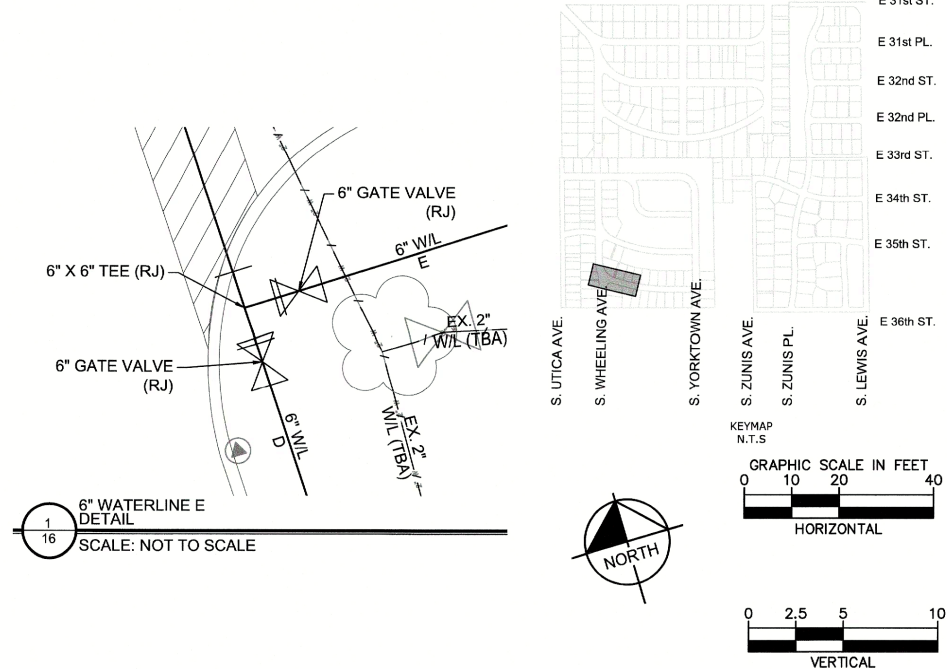
PLOT DATE: 12/17/2025 10:15 AM, DRAWING NAME: C-WATERLINE E.DWG



WATERLINE E PLAN



WATERLINE E PROFILE



SERVICE CONNECTIONS

NO.	SERVICE TYPE
5	3/4" WATER SERVICE CONNECTION (LONG)
2	3/4" WATER SERVICE CONNECTION (SHORT)
1	1" WATER SERVICE CONNECTION (LONG)

LEGEND

- BM #902 BENCHMARK
- 664.29 EXISTING GRADE
- 663.12 TOP OF PIPE
- ROAD ASPHALT PAVEMENT
- ROAD CONCRETE PAVEMENT
- WATERLINE ABANDONMENT
- PROPOSED WATERLINE
- WATER METER RELOCATION
- WATER METER RESET
- WATERLINE BACKFILL



REVISION	BY	DATE

WATERLINE E STA 30+00 TO 33+00

PROJECT NO. TMUA-W 25-03 C3

2" WATERLINE REPLACEMENT -
VICINITY OF 31ST TO 41ST STREETS AND
LEWIS TO WHEELING AVENUES,

CITY OF TULSA, OKLAHOMA
WATER & SEWER DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
Kimley-Horn
1437 South Boulder
Avenue, Suite 930, Tulsa,
OK 74119
OK License No. 2740 Exp.
Date 06/30/2027
(918) 209-3191

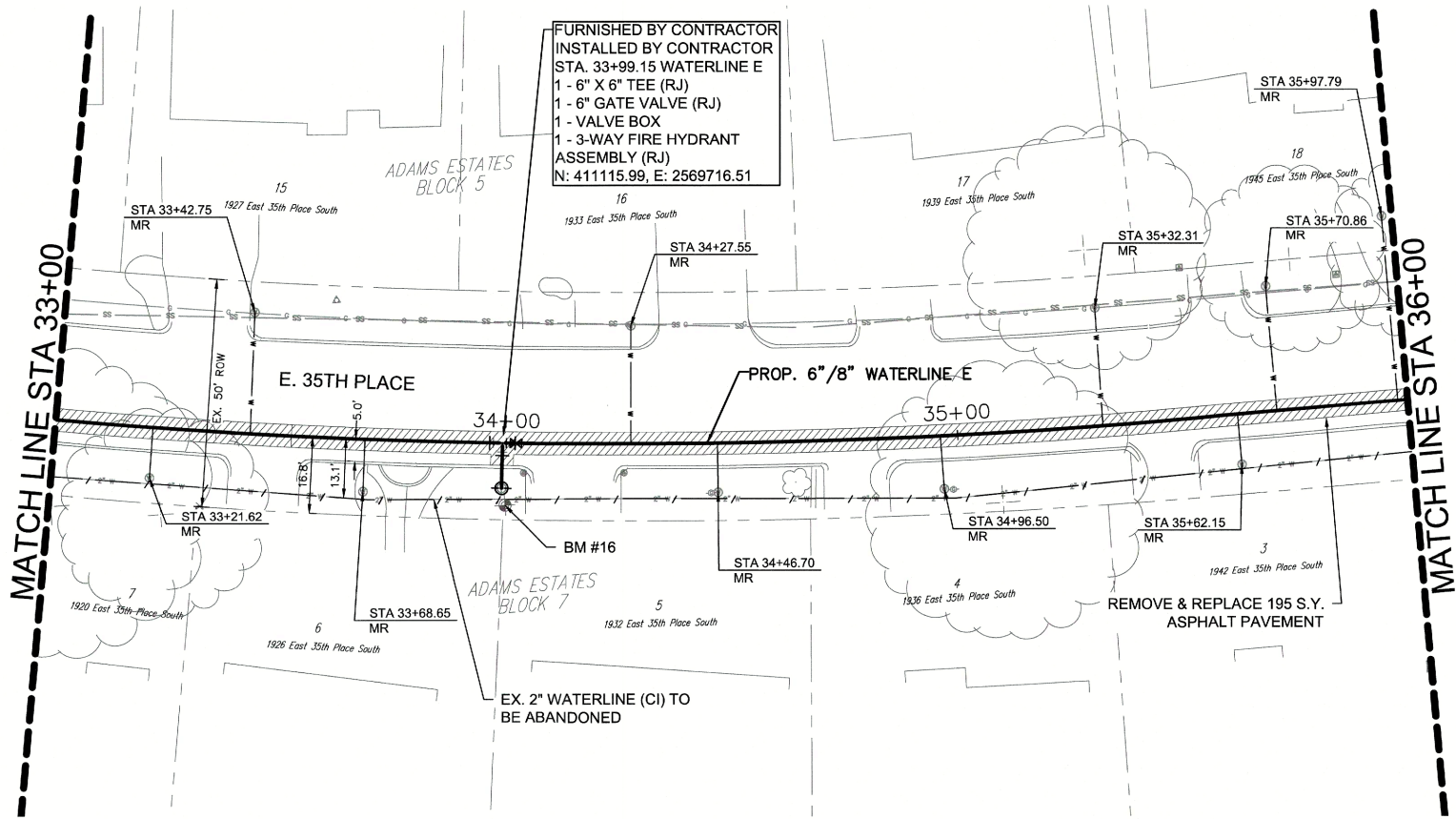
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1"=20'	DESIGNED	RWS	8/28/25	
	SURVEY	DB	8/28/25	
PROFILE SCALES:	PROJ MNGR.:			
HORIZONTAL:	LEAD ENGR.:			
1"=20'	FIELD MNGR.:			
VERTICAL				
1"=5'				

DRAWING: C-WATERLINE E.DWG	
ATLAS PAGE NO: 95	SHEET 16 OF 29

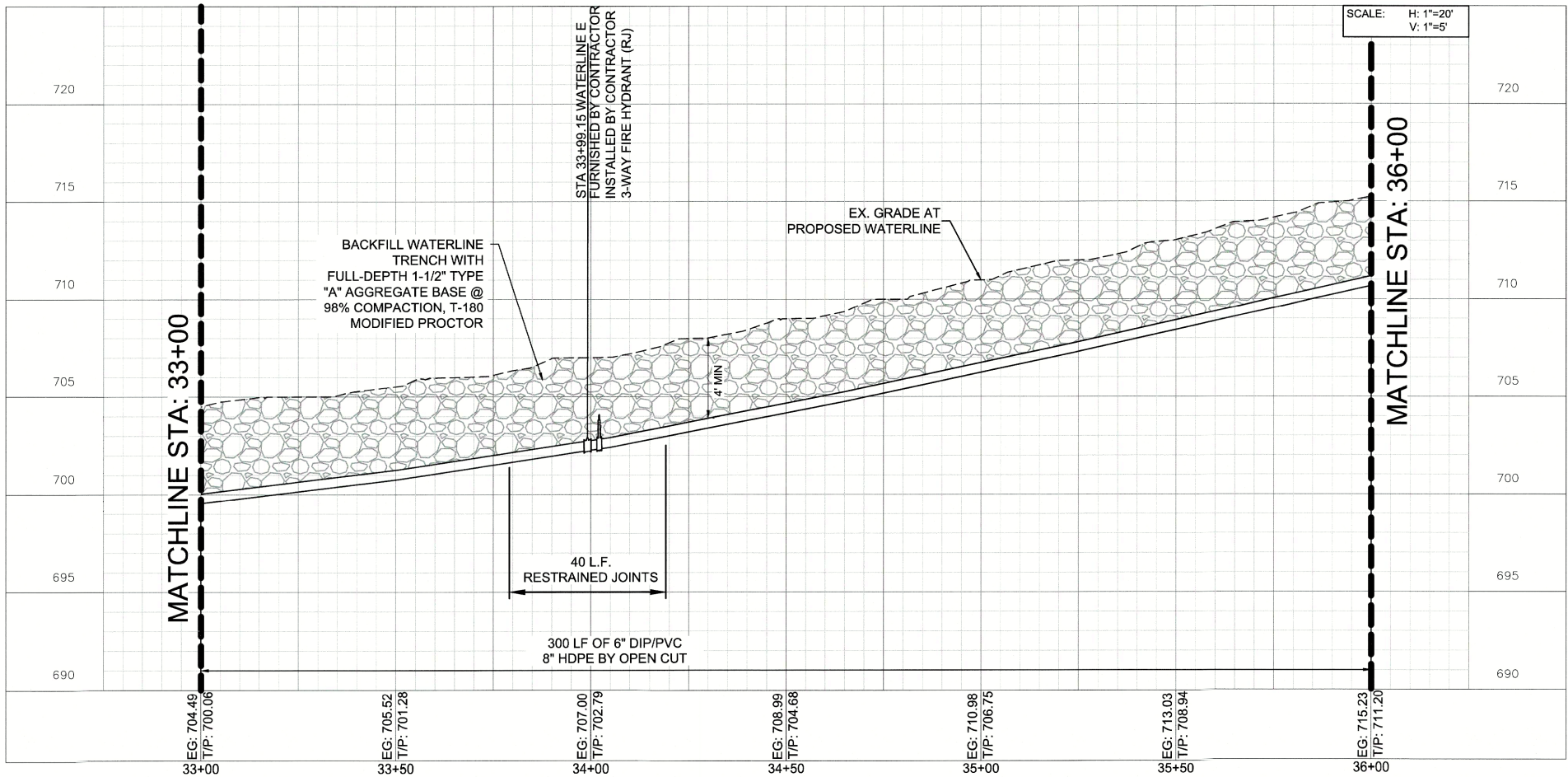


CITY OF TULSA PROJECT NO. TMUA-W 25-03

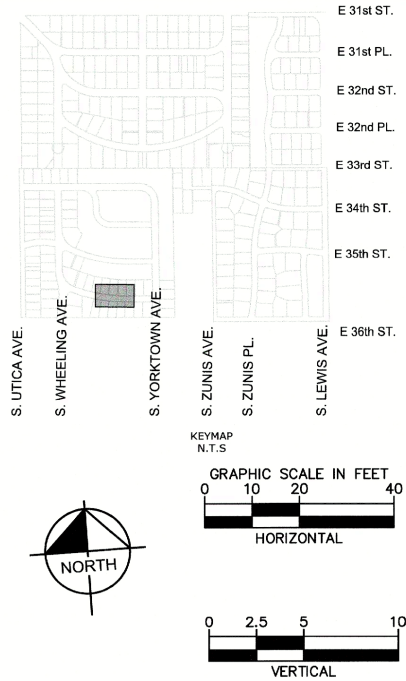
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WATERLINE E PLAN



WATERLINE E PROFILE



SERVICE CONNECTIONS

NO.	SERVICE TYPE
4	¾" WATER SERVICE CONNECTION (LONG)
5	¾" WATER SERVICE CONNECTION (SHORT)
1	1" WATER SERVICE CONNECTION (LONG)

LEGEND

- BM #902 BENCHMARK
- 664.29 EXISTING GRADE
- 663.12 TOP OF PIPE
- ROAD ASPHALT PAVEMENT
- ROAD CONCRETE PAVEMENT
- WATERLINE ABANDONMENT
- PROPOSED WATERLINE
- WATER METER RELOCATION
- WATER METER RESET
- WATERLINE BACKFILL



REVISION	BY	DATE

WATERLINE E STA 33+00 TO 36+00

PROJECT NO. TMUA-W 25-03 C3

2" WATERLINE REPLACEMENT -
VICINITY OF 31ST TO 41ST STREETS AND
LEWIS TO WHEELING AVENUES,

CITY OF TULSA, OKLAHOMA
WATER & SEWER DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
Kimley»Horn
1437 South Boulder Avenue, Suite 930, Tulsa, OK 74119
OK License No. 2740 Exp. Date 06/30/2027 (918) 209-3191

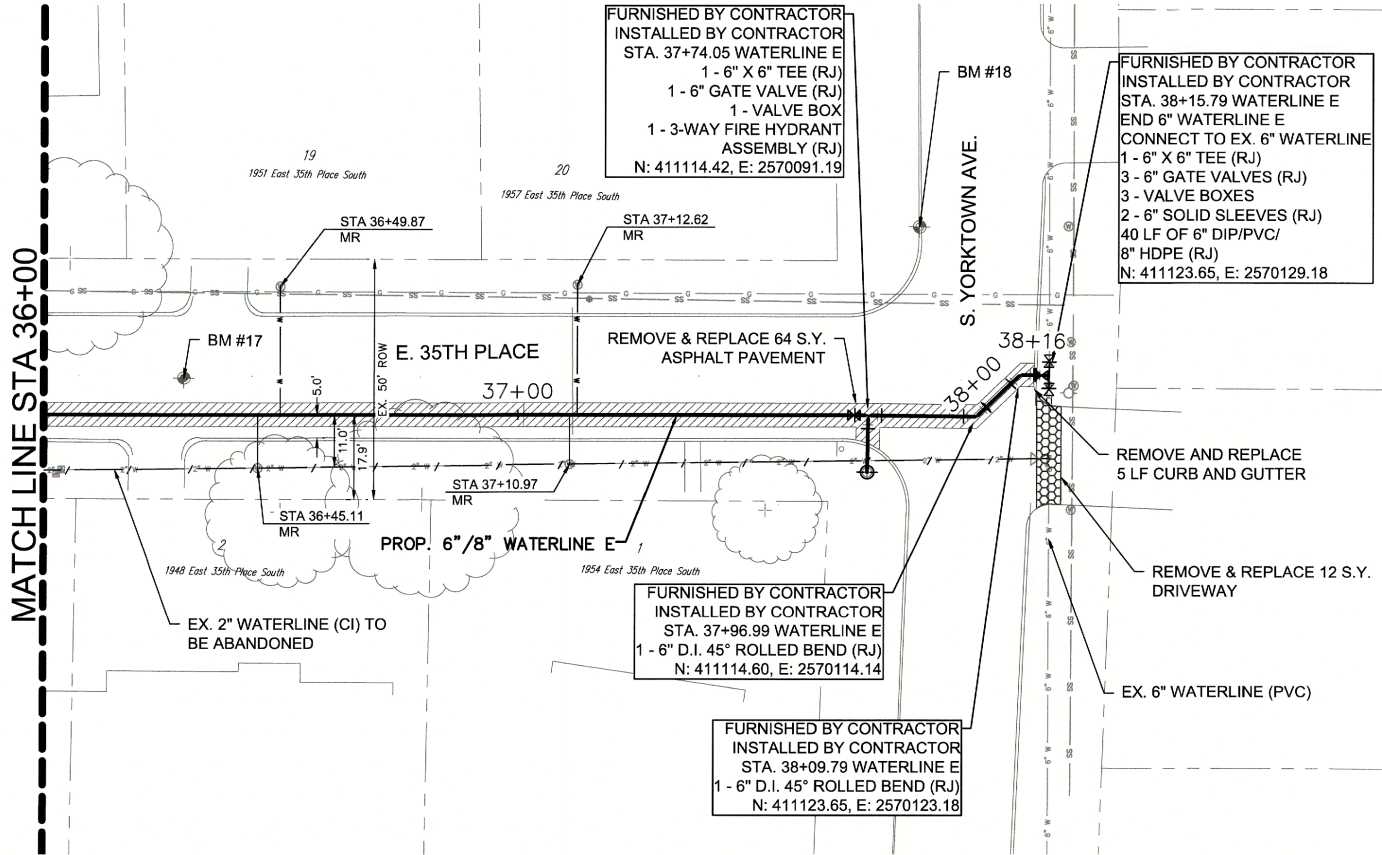
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DRAWING: C-WATERLINE E.DWG
ATLAS PAGE NO: 95
SHEET 17 OF 28

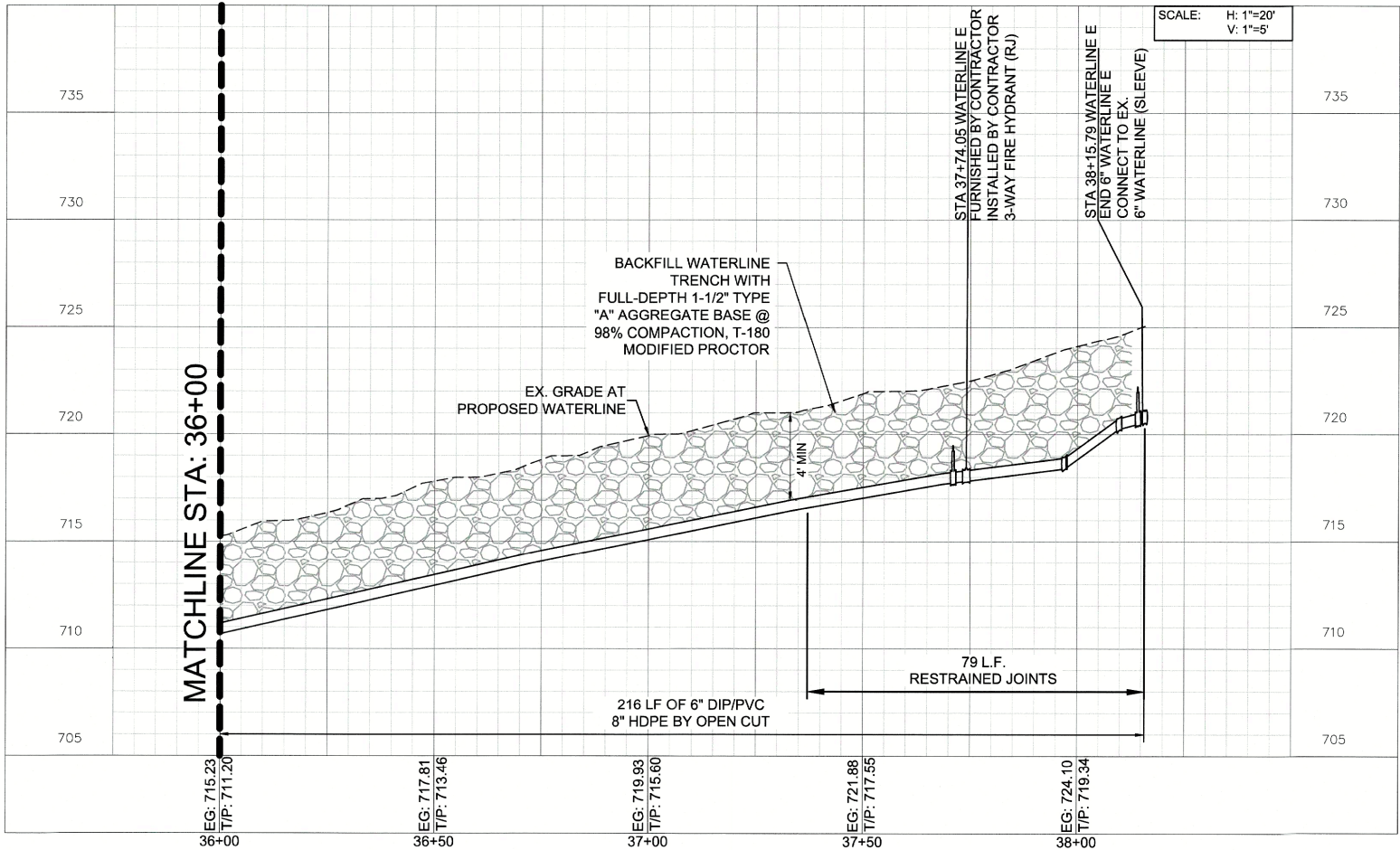


CITY OF TULSA PROJECT NO. TMUA-W 25-03

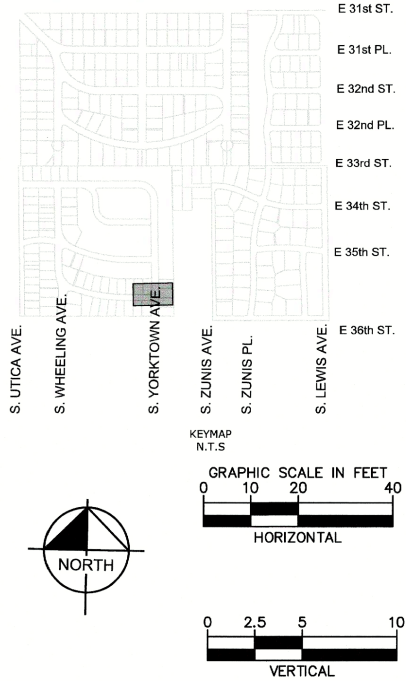
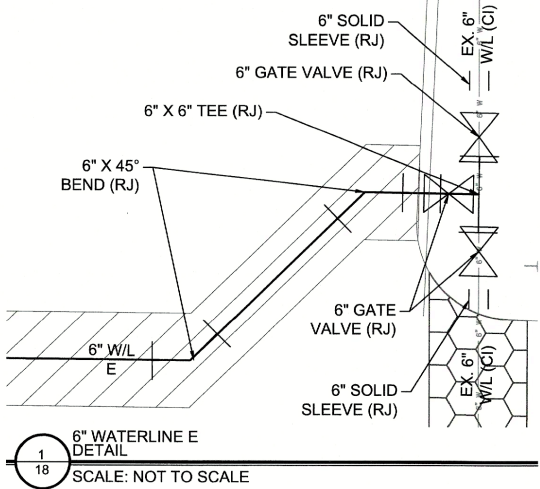
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WATERLINE E PLAN



WATERLINE E PROFILE



SERVICE CONNECTIONS	
NO.	SERVICE TYPE
2	¾" WATER SERVICE CONNECTION (LONG)
2	¾" WATER SERVICE CONNECTION (SHORT)

LEGEND

- BENCHMARK
- EXISTING GRADE
- TOP OF PIPE
- ROAD ASPHALT PAVEMENT
- ROAD CONCRETE PAVEMENT
- WATERLINE ABANDONMENT
- PROPOSED WATERLINE
- WATER METER RELOCATION
- WATER METER RESET
- WATERLINE BACKFILL
- DRIVEWAY REPLACEMENT



REVISION	BY	DATE

WATERLINE E STA 36+00 TO END

PROJECT NO. TMUA-W 25-03 *CS*

2" WATERLINE REPLACEMENT -
VICINITY OF 31ST TO 41ST STREETS AND
LEWIS TO WHEELING AVENUES,

CITY OF TULSA, OKLAHOMA
WATER & SEWER DEPARTMENT

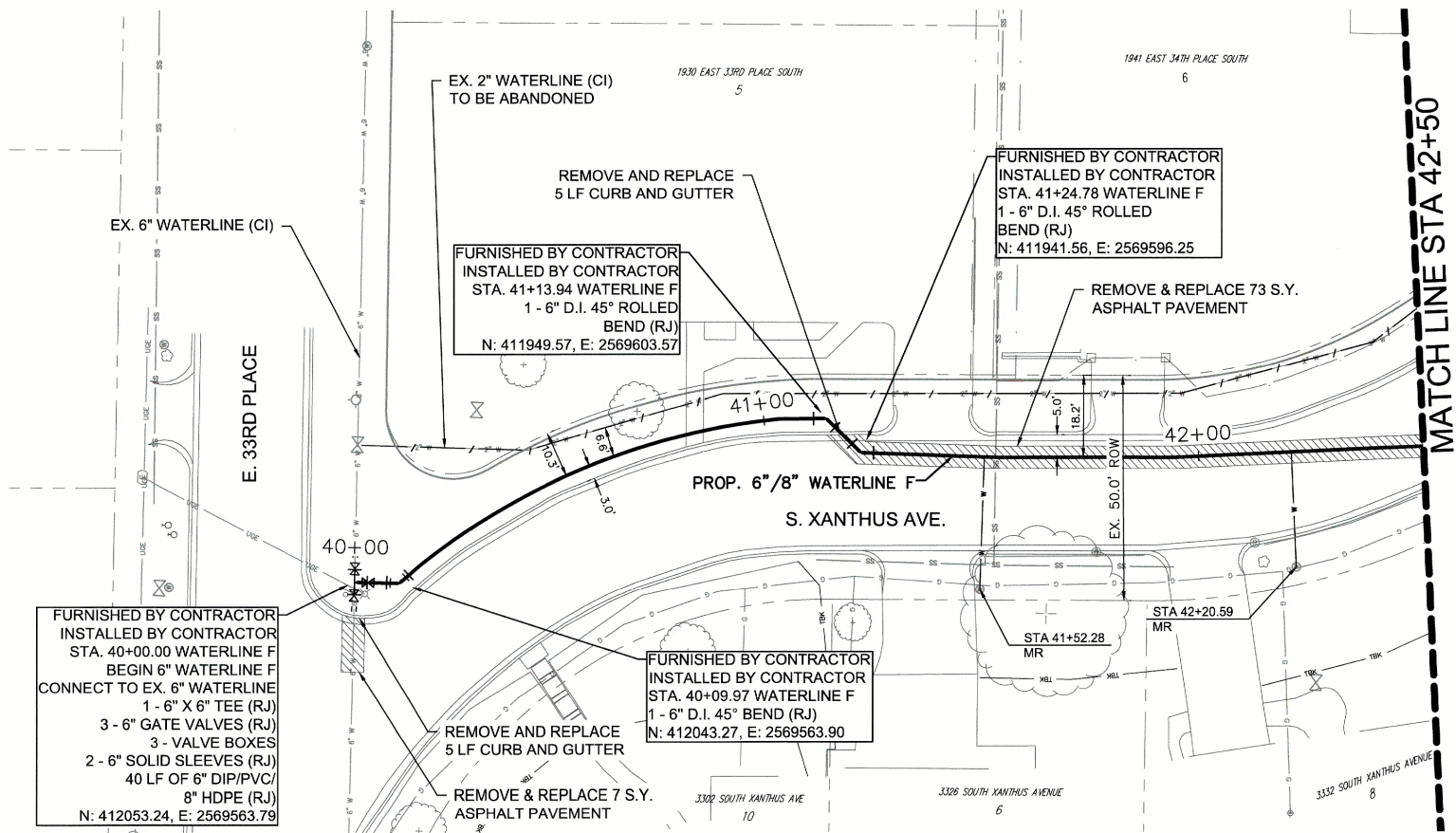
PLANS AND ESTIMATES PREPARED BY:
Kimley»Horn
1437 South Boulder
Avenue, Suite 930, Tulsa,
OK 74119
OK License No. 2740 Exp.
Date 06/30/2027
(918) 209-3191

PLAN SCALE:	DRAWN	OCB	8/28/25	APPROVED:
1"=20'	DESIGNED	RWS	8/28/25	
	SURVEY	DB	8/28/25	
PROFILE SCALES:	PROJ MNGR.:			
HORIZONTAL:	LEAD ENGR.:	<i>CS</i>	8/26	
1"=20'	FIELD MNGR.:	<i>CS</i>	8/26	
VERTICAL				
1"=5'				

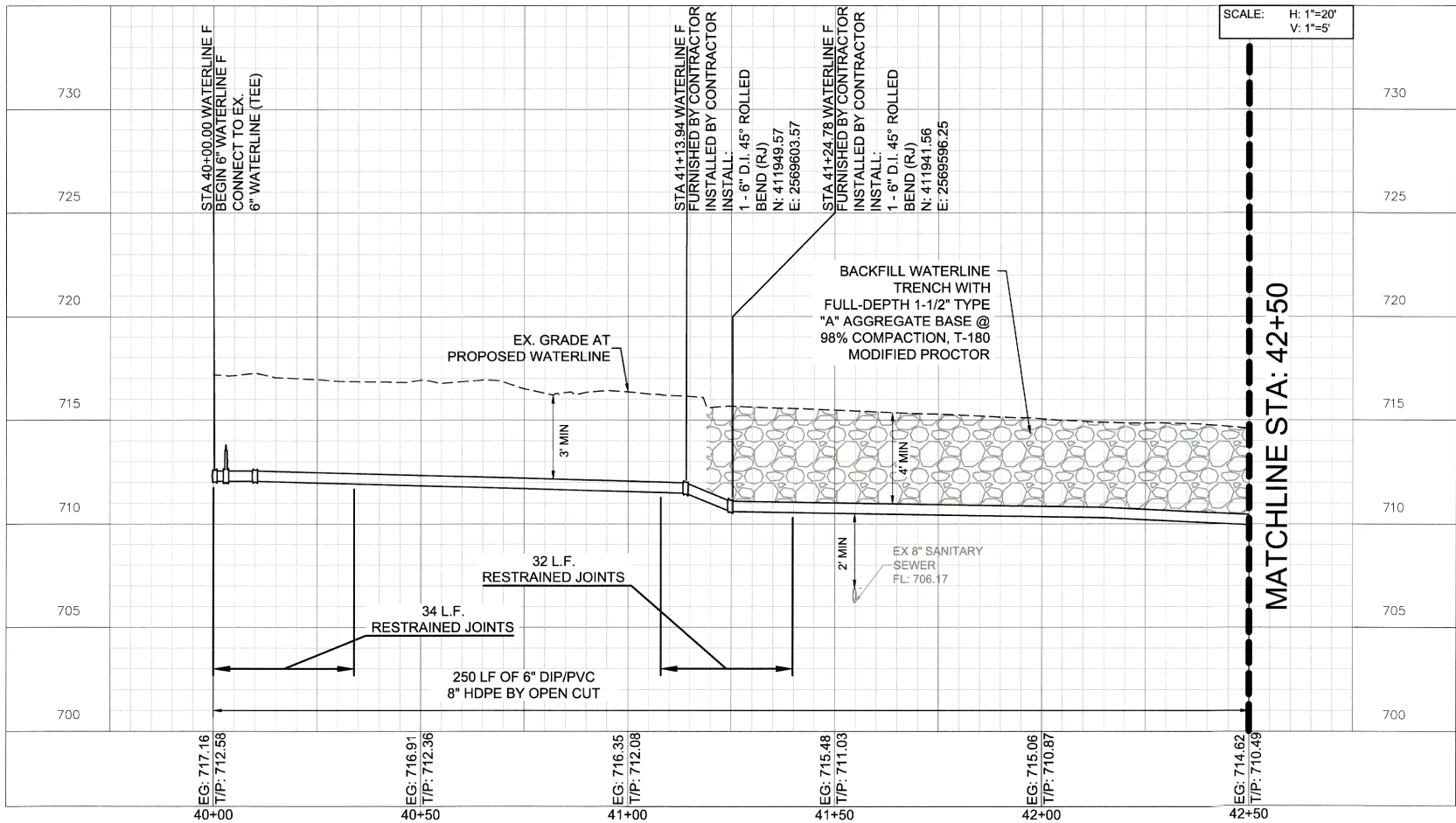
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ATLAS PAGE NO: 95	SHEET 18 OF 29



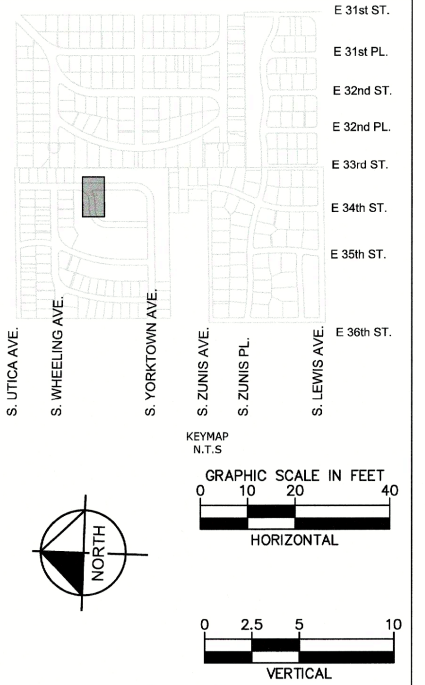
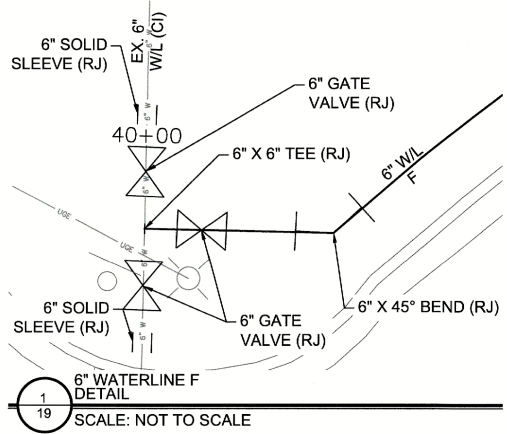
CITY OF TULSA PROJECT NO. TMUA-W 25-03



WATERLINE F PLAN



WATERLINE F PROFILE



SERVICE CONNECTIONS	
NO.	SERVICE TYPE
2	3/4\"

LEGEND

- BM #902 BENCHMARK
- 664.29 EXISTING GRADE
- 663.12 TOP OF PIPE
- ROAD ASPHALT PAVEMENT
- ROAD CONCRETE PAVEMENT
- WATERLINE ABANDONMENT
- PROPOSED WATERLINE
- WATER METER RELOCATION
- WATER METER RESET
- WATERLINE BACKFILL



REVISION	BY	DATE

WATERLINE F STA 40+00 TO 42+50

PROJECT NO. TMUA-W 25-03 *C3*

2\"/>

CITY OF TULSA, OKLAHOMA
WATER & SEWER DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:

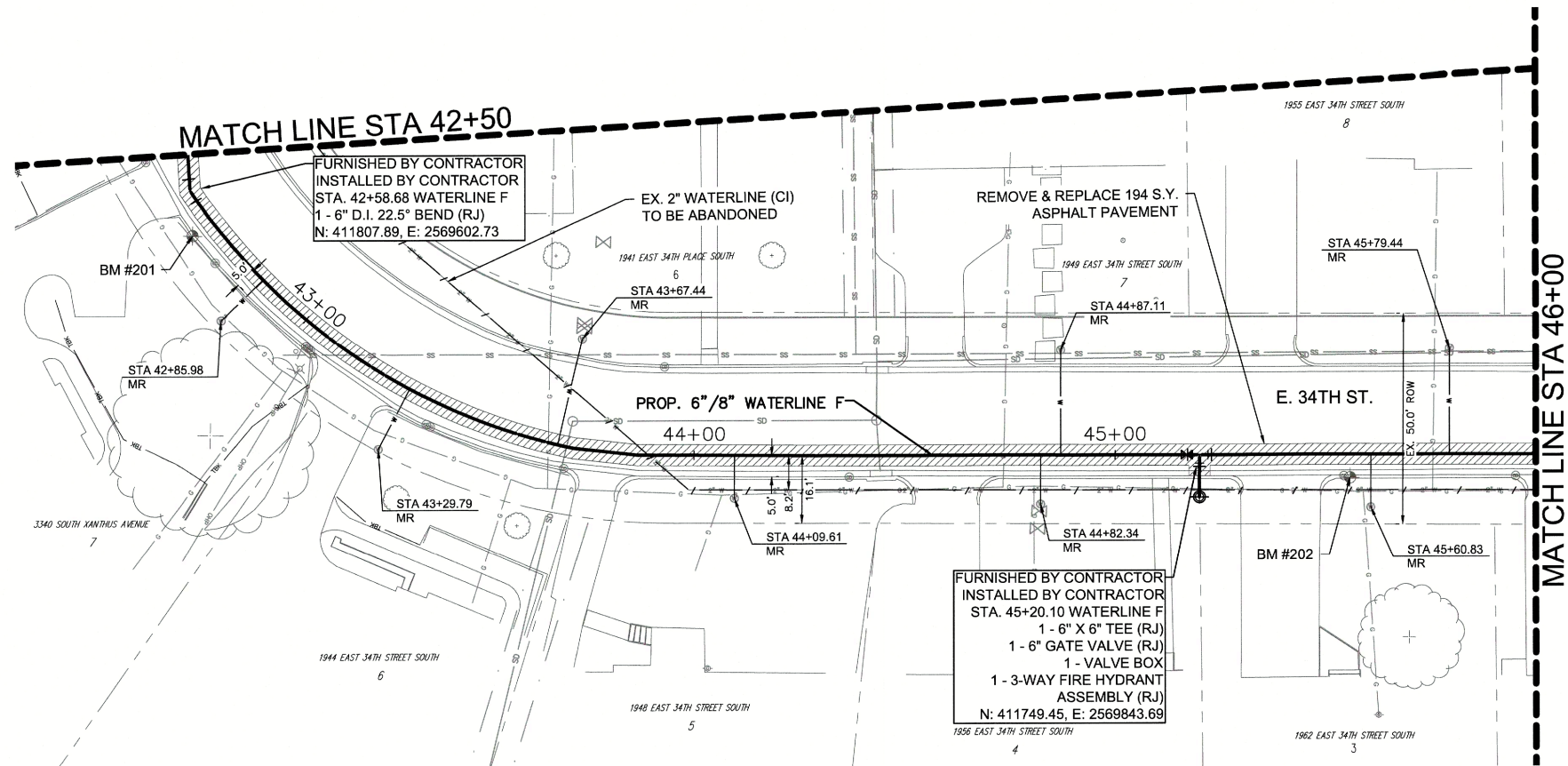
Kimley»Horn

1437 South Boulder Avenue, Suite 930, Tulsa, OK 74119
OK License No. 2740 Exp. Date 06/30/2027 (918) 209-3191

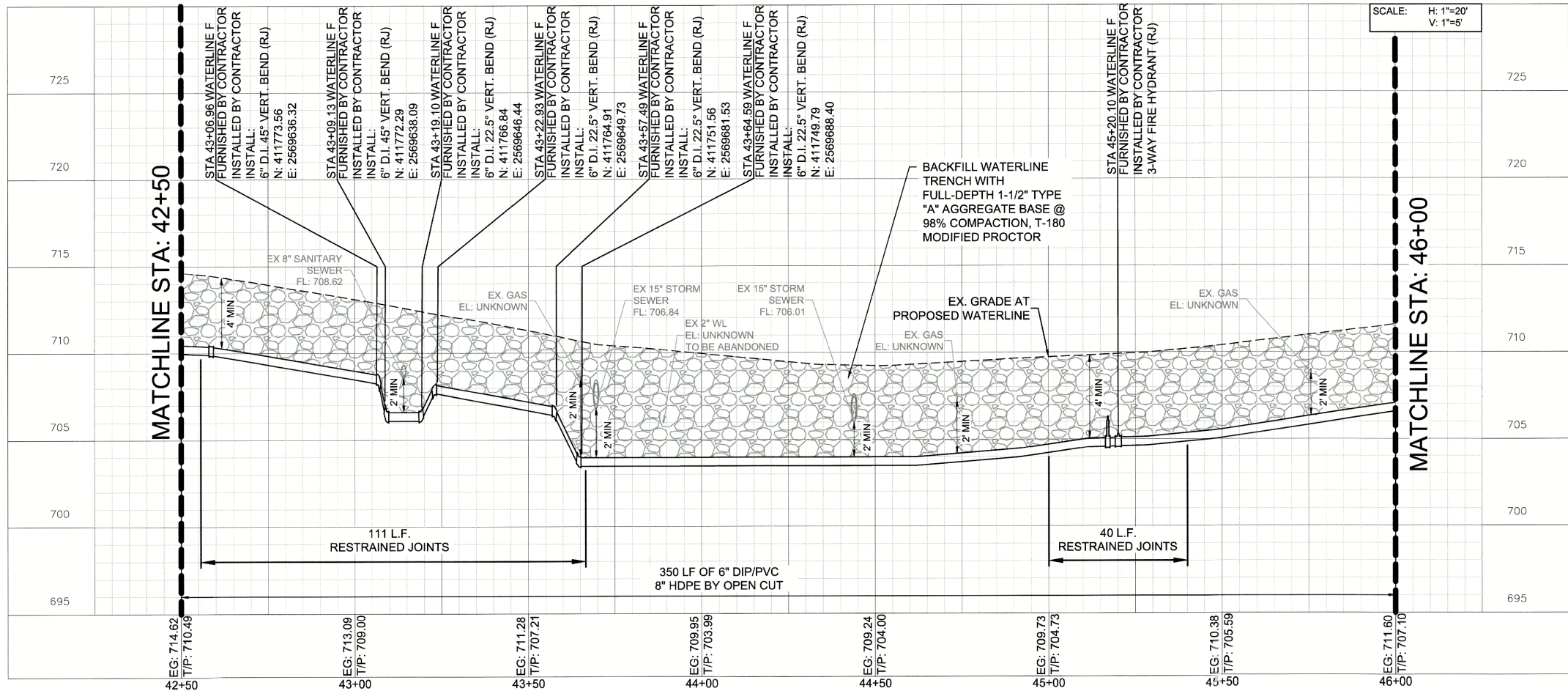
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	SURVEY	DB	8/28/25	
PROFILE SCALES:	PROJ MNGR.:			
HORIZONTAL:	LEAD ENGR.:	<i>CEW</i>	<i>2/21</i>	
1\"=20'	FIELD MNGR.:	<i>BW</i>	<i>3/24</i>	
VERTICAL				
1\"=5'				<i>John S. M</i> DESIGN MANAGER

DRAWING: C-WATERLINE F.DWG
ATLAS PAGE NO: 95
SHEET 19 OF 29





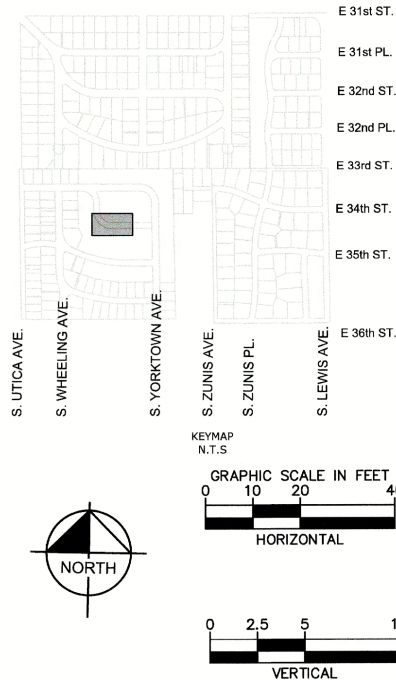
WATERLINE F PLAN



WATERLINE F PROFILE

NOTES

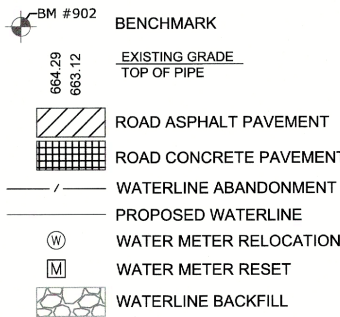
- CONTRACTOR TO UTILIZE PIPE BELL JOINT DEFLECTION NOT TO EXCEED 1" PER JOINT TO COMPLETE ALIGNMENT CURVATURE.



SERVICE CONNECTIONS

NO.	SERVICE TYPE
3	3/4" WATER SERVICE CONNECTION (LONG)
5	3/4" WATER SERVICE CONNECTION (SHORT)

LEGEND



REVISION	BY	DATE

WATERLINE F STA 42+50 TO 46+00

PROJECT NO. TMUA-W 25-03 C3

2" WATERLINE REPLACEMENT -
VICINITY OF 31ST TO 41ST STREETS AND
LEWIS TO WHEELING AVENUES,

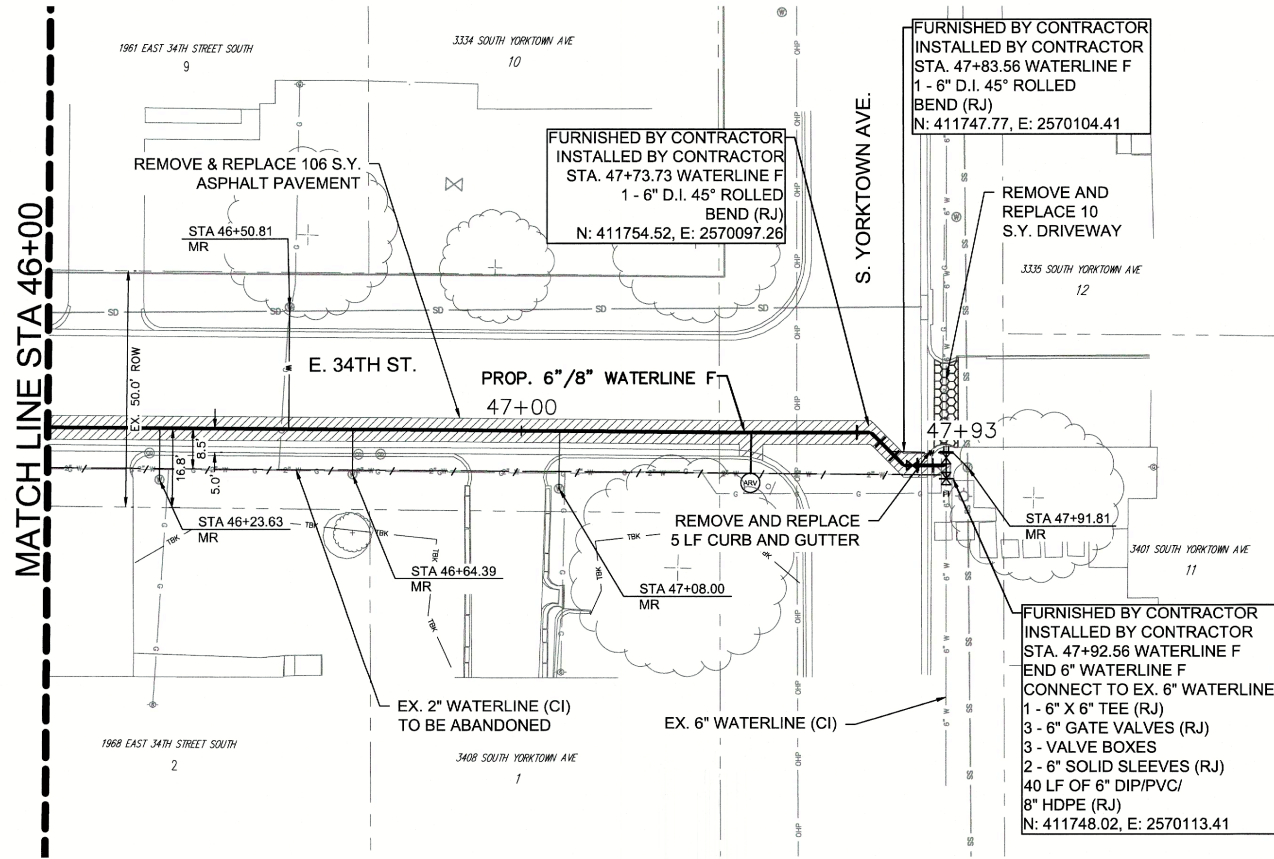
CITY OF TULSA, OKLAHOMA
WATER & SEWER DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
Kimley»Horn
1437 South Boulder Avenue, Suite 930, Tulsa, OK 74119
OK License No. 2740 Exp. Date 06/30/2027 (918) 209-3191

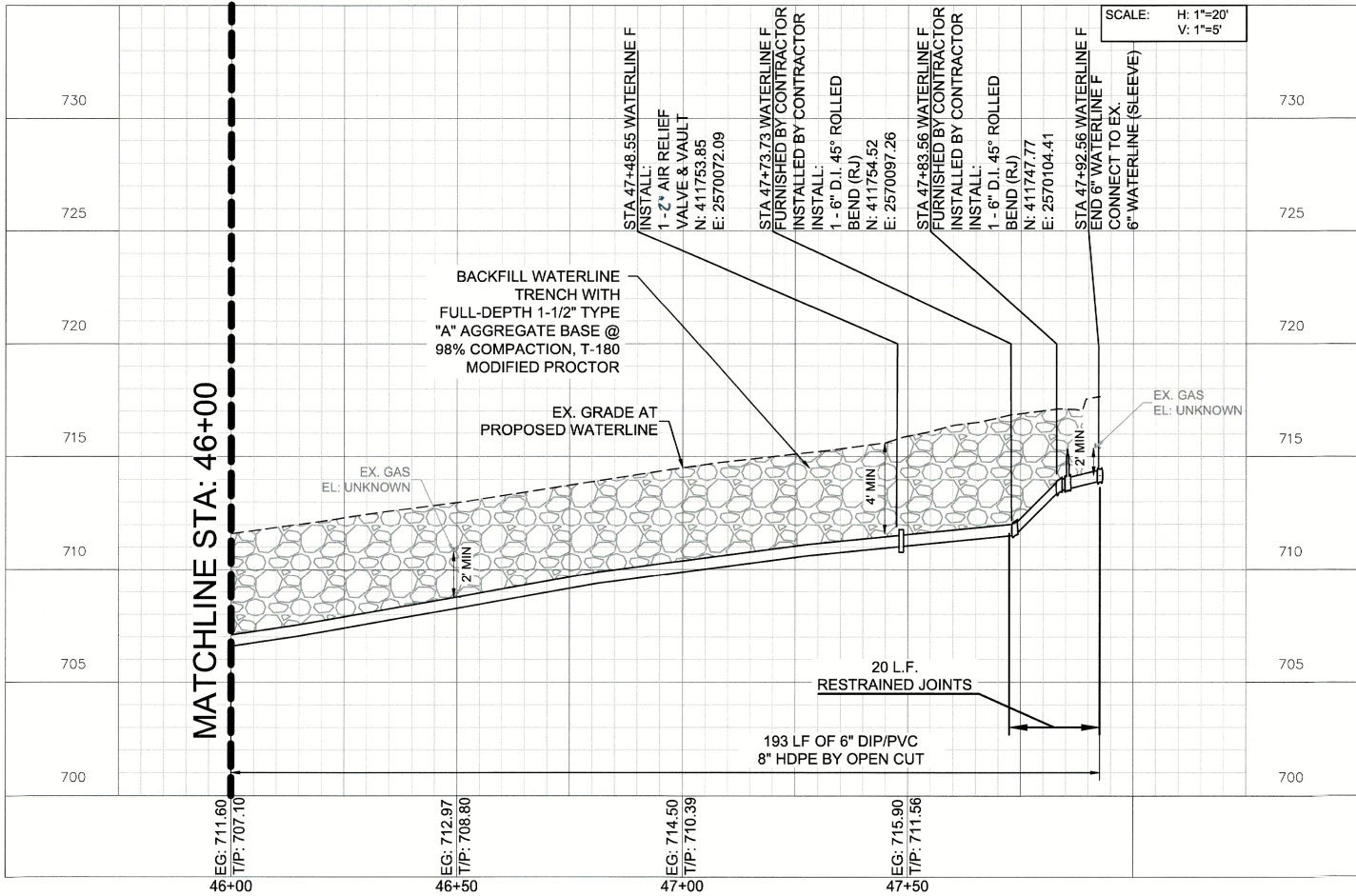
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PROFILE SCALES:	PROJ MNGR.:			
HORIZONTAL: 1"=20'	LEAD ENGR.:			
VERTICAL: 1"=5'	FIELD MNGR.:			

DRAWING: C-WATERLINE F.DWG
ATLAS PAGE NO: 95
SHEET 20 OF 29

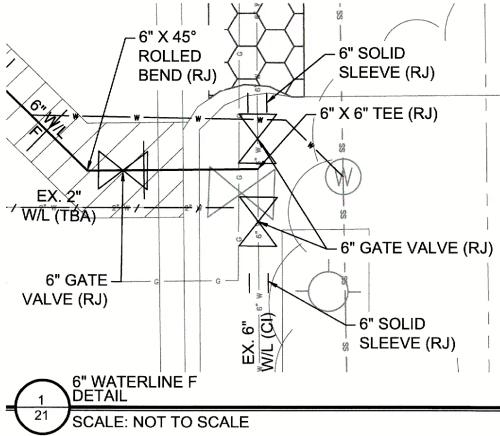




WATERLINE F PLAN

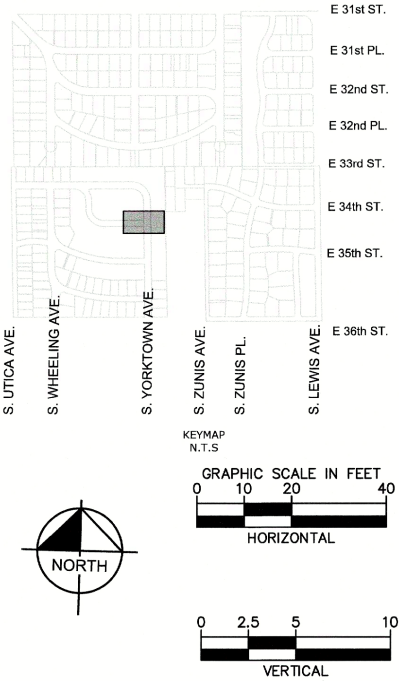


WATERLINE F PROFILE

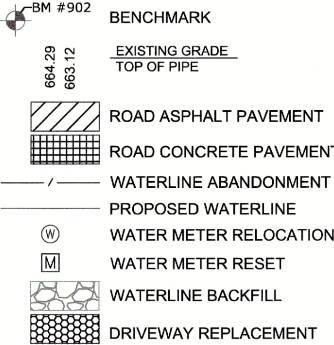


SERVICE CONNECTIONS

NO.	SERVICE TYPE
1	3/4" WATER SERVICE CONNECTION (LONG)
3	3/4" WATER SERVICE CONNECTION (SHORT)
1	1" WATER SERVICE CONNECTION (SHORT)



LEGEND



REVISION	BY	DATE

WATERLINE F STA 46+00 TO END

PROJECT NO. TMUA-W 25-03 *C3*

2" WATERLINE REPLACEMENT -
VICINITY OF 31ST TO 41ST STREETS AND
LEWIS TO WHEELING AVENUES,

CITY OF TULSA, OKLAHOMA
WATER & SEWER DEPARTMENT

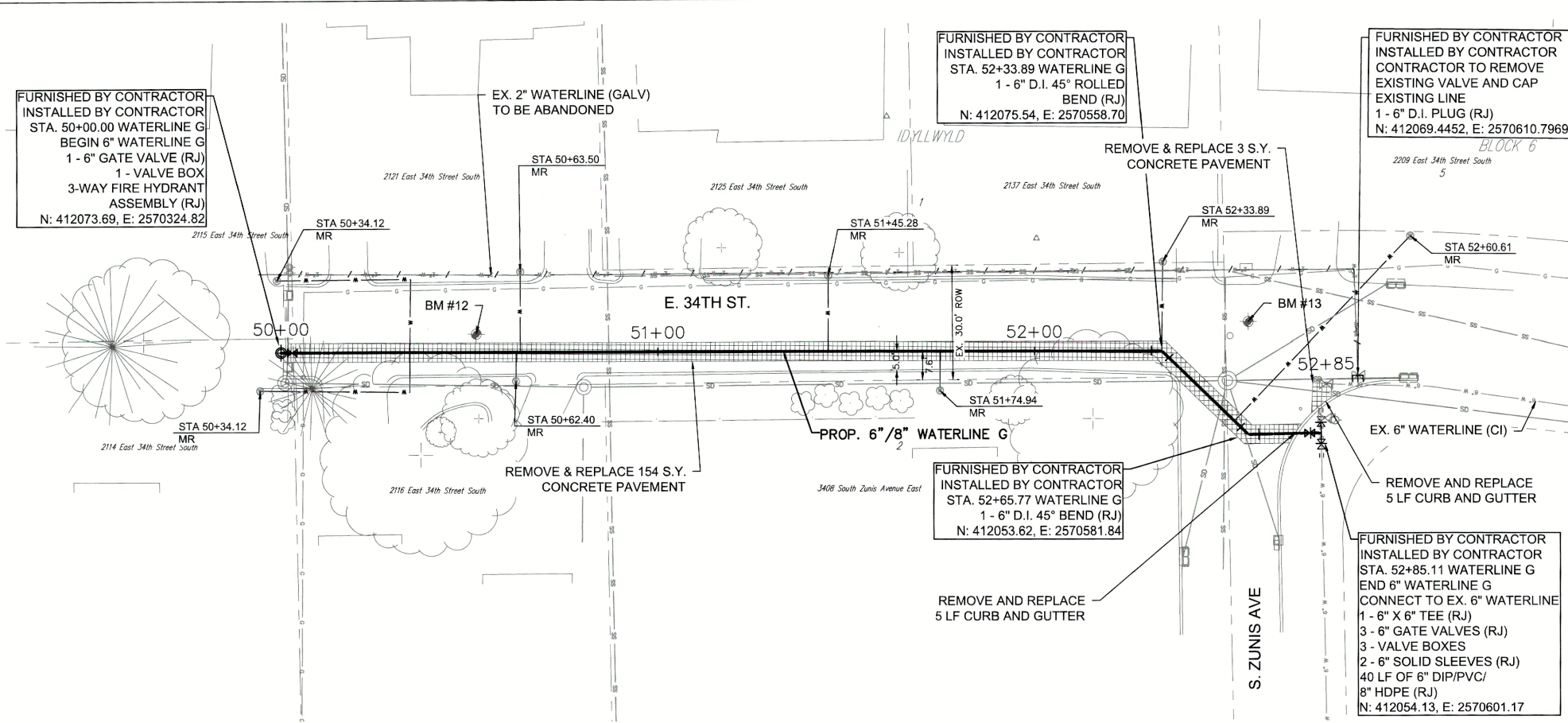
PLANS AND ESTIMATES PREPARED BY:
Kimley»Horn
1437 South Boulder Avenue, Suite 930, Tulsa, OK 74119
OK License No. 2740 Exp. Date 06/30/2027 (918) 209-3191

PLAN SCALE: 1"=20'	DRAWN DESIGNED SURVEY	OCB RWS DB	8/28/25 8/28/25 8/28/25	APPROVED:
PROFILE SCALES:	PROJ MNGR.:			
HORIZONTAL: 1"=20'	LEAD ENGR.:	<i>C.W. Smith</i>	<i>8/28/25</i>	
VERTICAL: 1"=5'	FIELD MNGR.:	<i>Ben 3/26</i>		
DRAWING: C-WATERLINE F.DWG				<i>Thomas D. My</i> DESIGN MANAGER

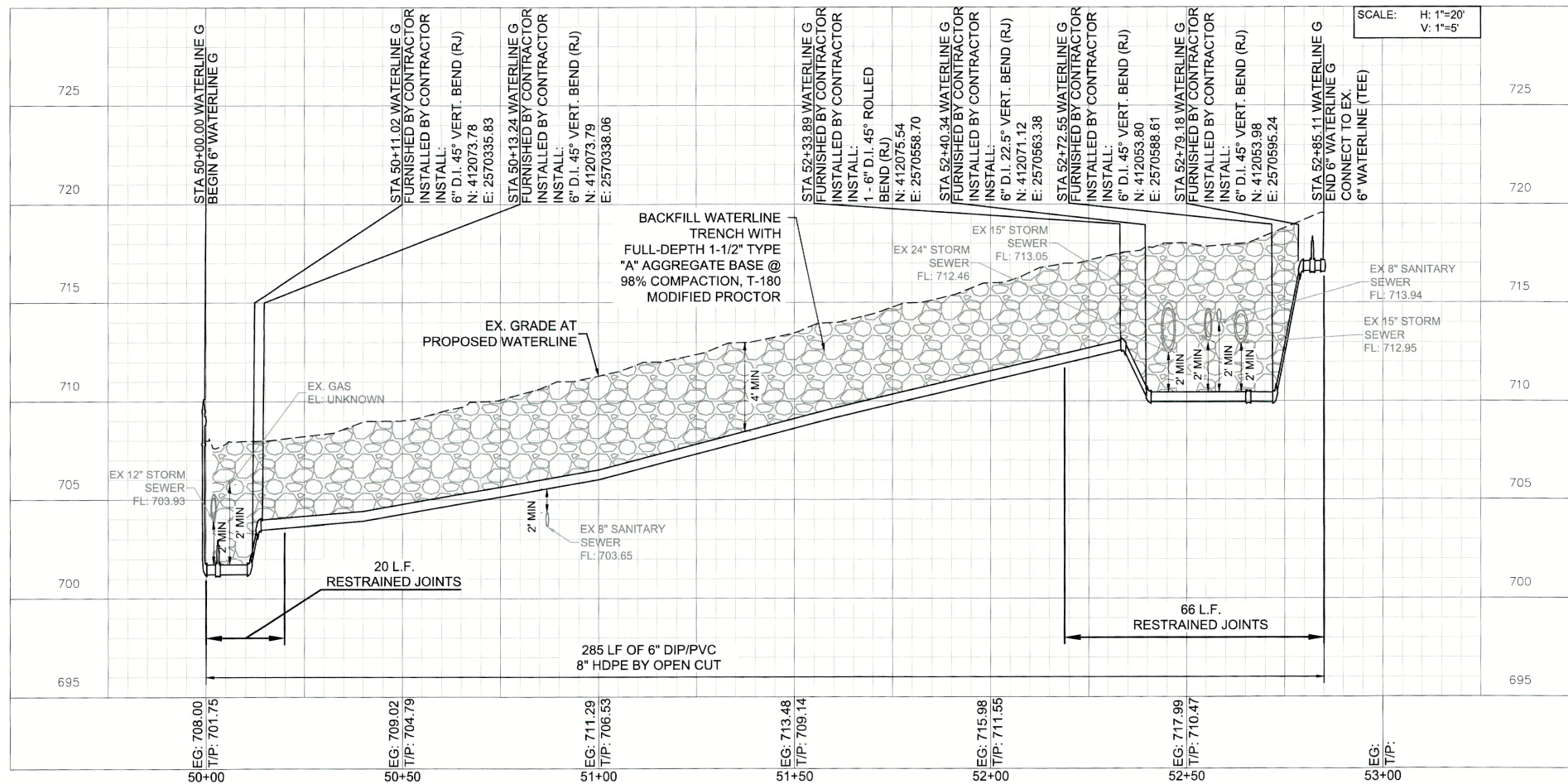
ATLAS PAGE NO: 95	SHEET 21 OF 29
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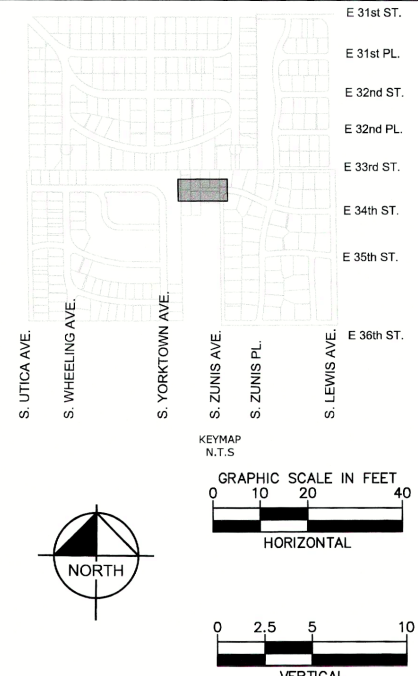
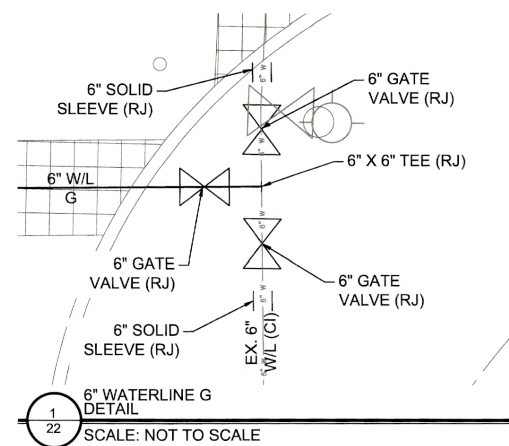
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WATERLINE G PLAN



WATERLINE G PROFILE



REVISION	BY	DATE

WATERLINE G STA 50+00 TO END

PROJECT NO. TMUA-W 25-03 *C3*

2" WATERLINE REPLACEMENT -
VICINITY OF 31ST TO 41ST STREETS AND
LEWIS TO WHEELING AVENUES,

CITY OF TULSA, OKLAHOMA
WATER & SEWER DEPARTMENT

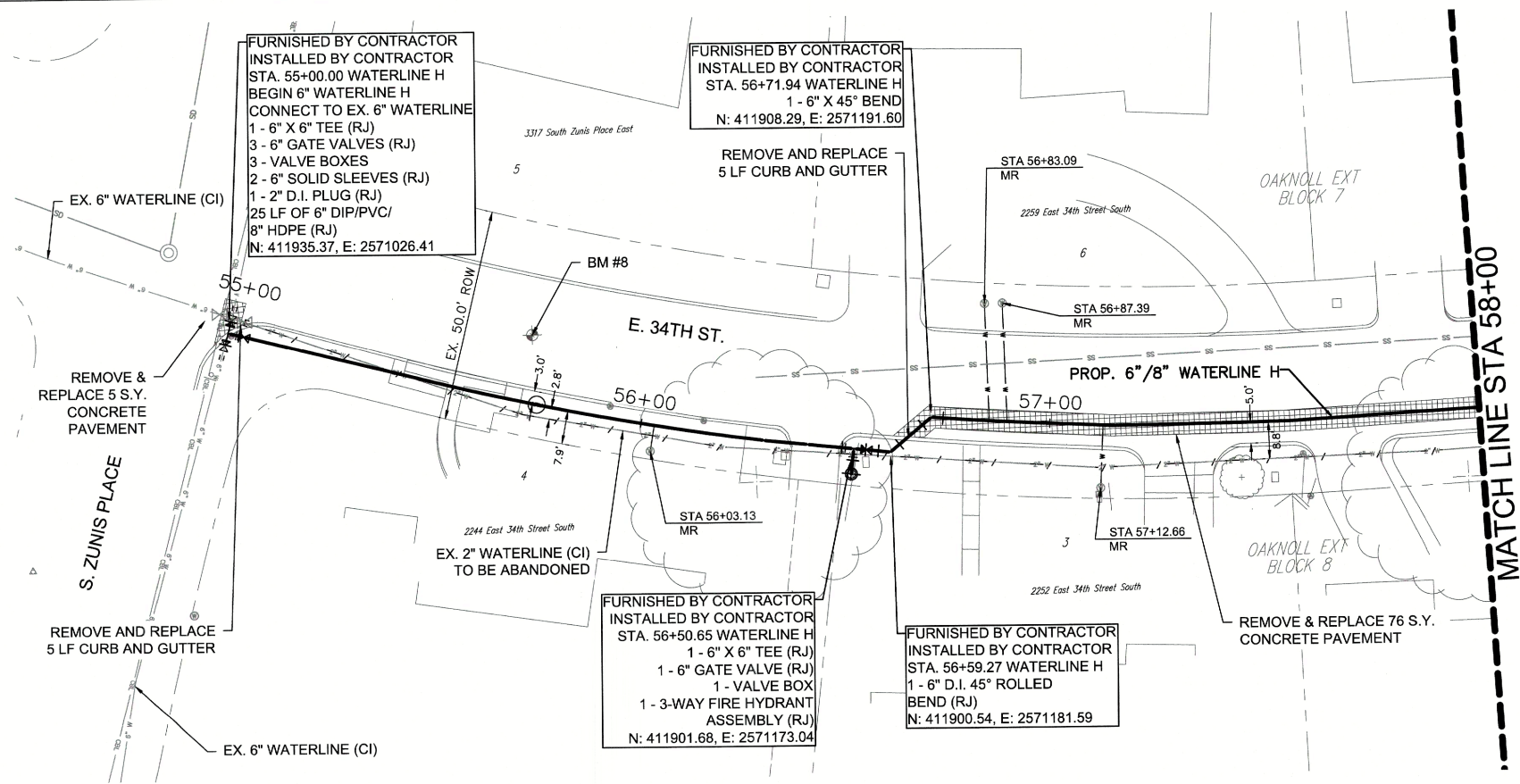
PLANS AND ESTIMATES PREPARED BY:
Kimley»Horn
1437 South Boulder Avenue, Suite 930, Tulsa, OK 74119
OK License No. 2740 Exp. Date 06/30/2027 (918) 209-3191

PLAN SCALE:	DRAWN	OCB	8/28/25	APPROVED:
1"=20'	DESIGNED	RWS	8/28/25	
PROFILE SCALES:	SURVEY	DB	8/28/25	
HORIZONTAL:	PROJ MNGR.:			
1"=20'	LEAD ENGR.:	<i>RM 3/26</i>		
1"=5'	FIELD MNGR.:	<i>RM 3/26</i>		
				<i>Shawn M. Amy</i> DESIGN MANAGER

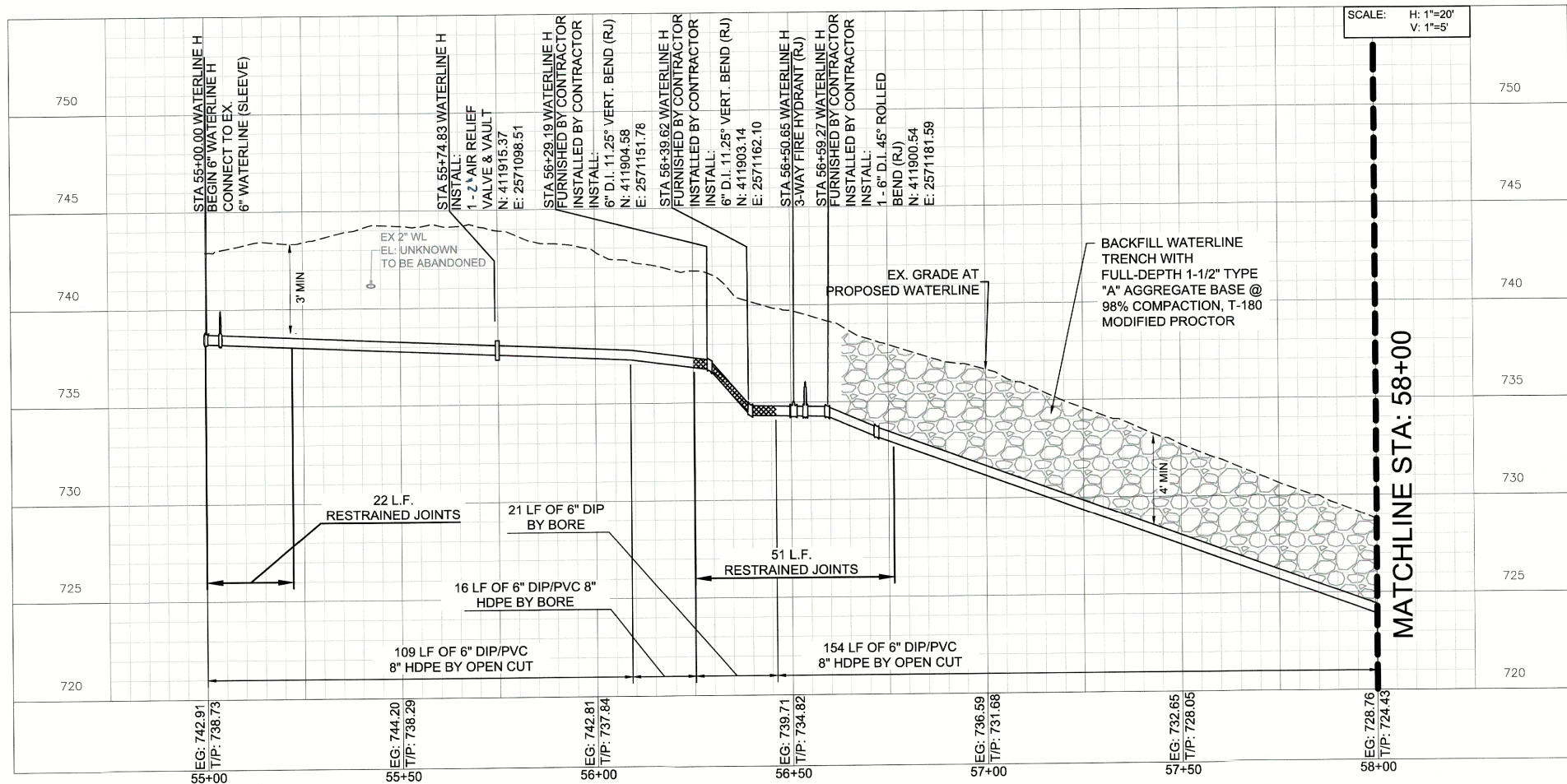
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ATLAS PAGE NO: 95
SHEET 22 OF 29



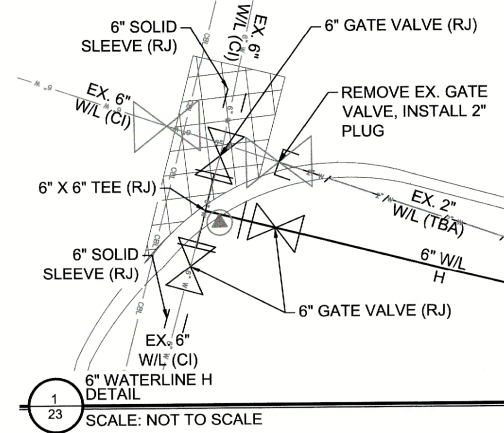
CITY OF TULSA PROJECT NO. TMUA-W 25-03



WATERLINE H PLAN

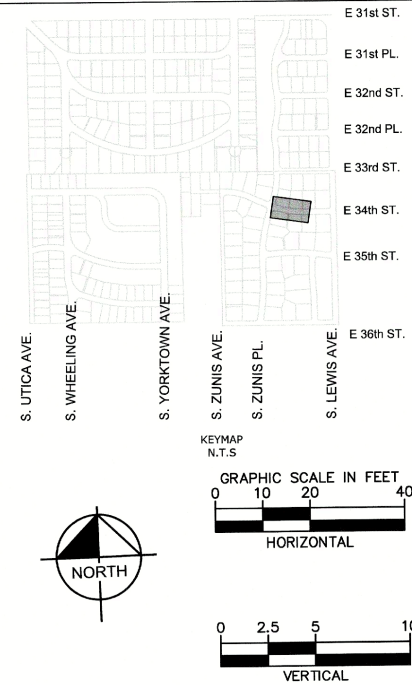


WATERLINE H PROFILE



SERVICE CONNECTIONS

NO.	SERVICE TYPE
1	3/4" WATER SERVICE CONNECTION (LONG)
2	3/4" WATER SERVICE CONNECTION (SHORT)
1	1" WATER SERVICE CONNECTION (LONG)



LEGEND

- BM #902 BENCHMARK
- EXISTING GRADE TOP OF PIPE
- ROAD ASPHALT PAVEMENT
- ROAD CONCRETE PAVEMENT
- WATERLINE ABANDONMENT
- PROPOSED WATERLINE
- WATER METER RELOCATION
- WATER METER RESET
- WATERLINE BACKFILL
- DIP (RJ) PIPE SECTION



WATERLINE H STA 55+00 TO 58+00

PROJECT NO. TMUA-W 25-03 C3

2" WATERLINE REPLACEMENT - VICINITY OF 31ST TO 41ST STREETS AND LEWIS TO WHEELING AVENUES,

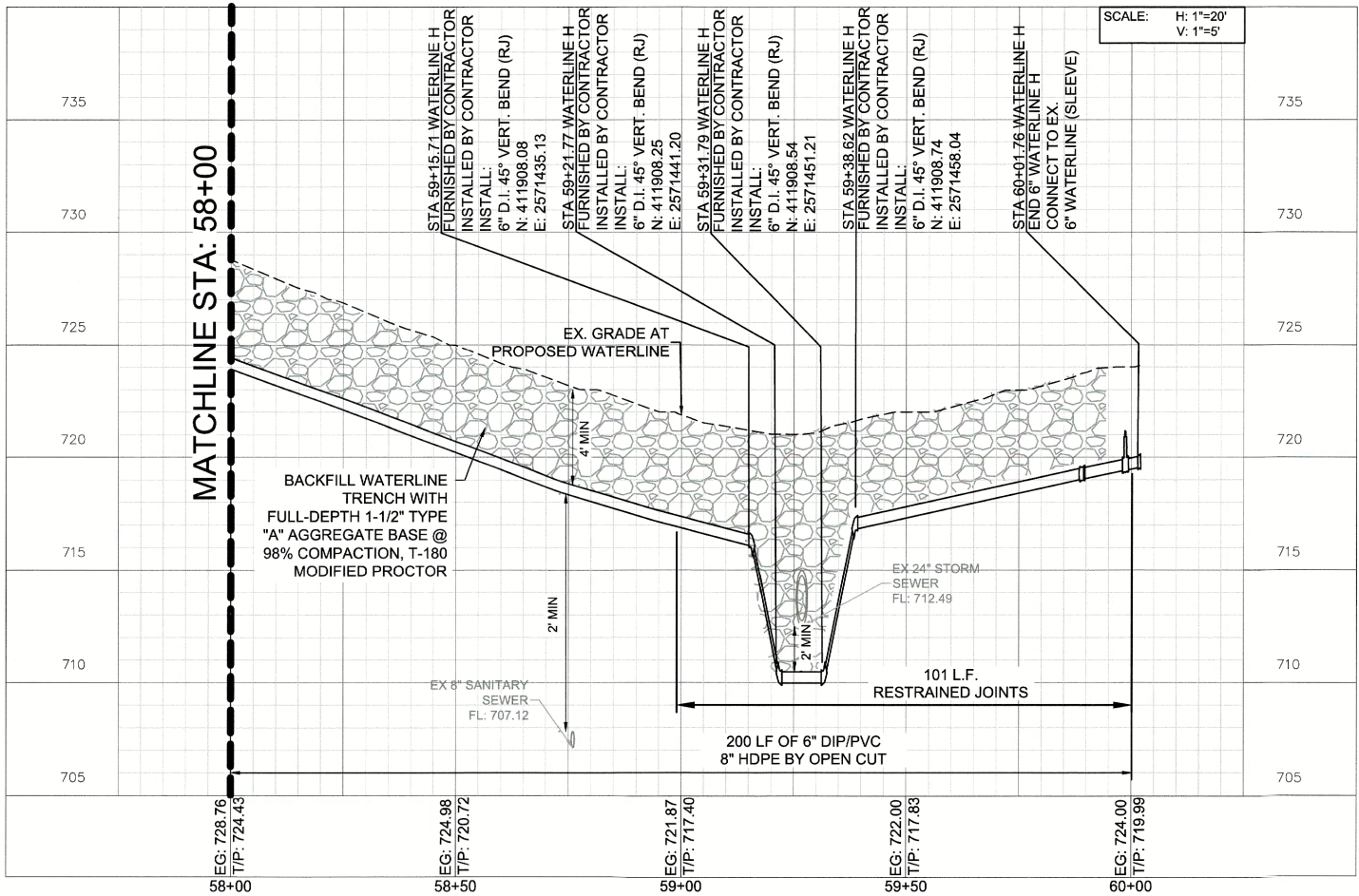
CITY OF TULSA, OKLAHOMA
WATER & SEWER DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
Kimley-Horn
1437 South Boulder Avenue, Suite 930, Tulsa, OK 74119
OK License No. 2740 Exp. Date 06/30/2027 (918) 209-3191

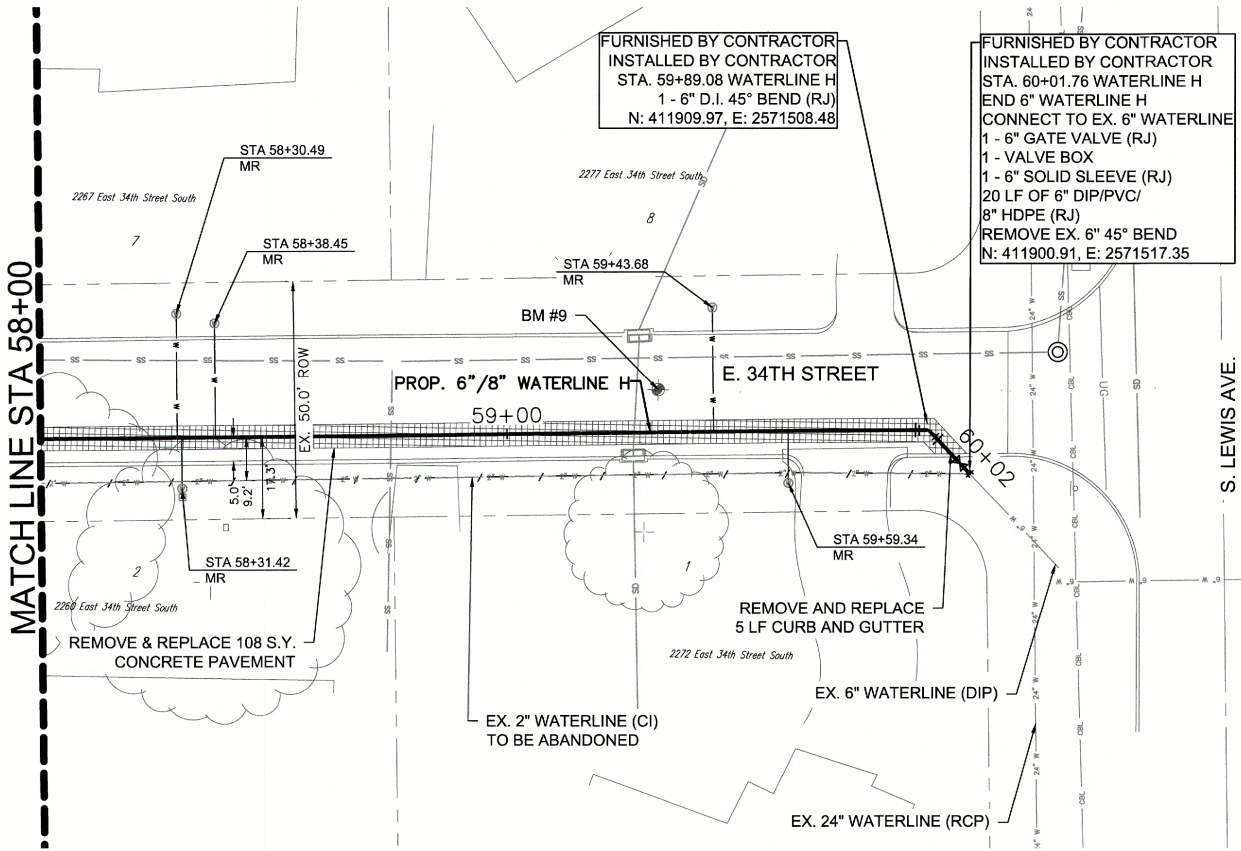
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	SURVEY	DB	8/28/25	
PROFILE SCALES:	PROJ MNGR.:			
HORIZONTAL:	LEAD ENGR.:			
1"=20'	FIELD MNGR.:			
VERTICAL				
1"=5'				

DRAWING: C-WATERLINE H.DWG
ATLAS PAGE NO: 95
SHEET 23 OF 29

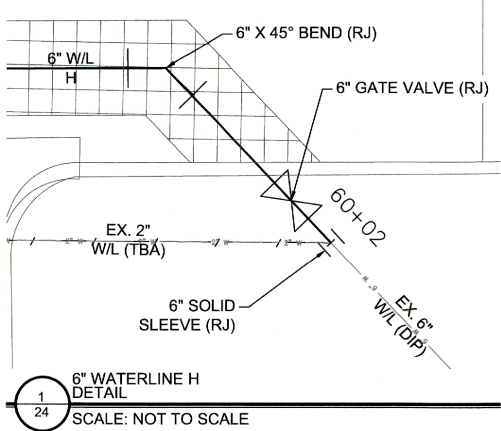




WATERLINE H PROFILE

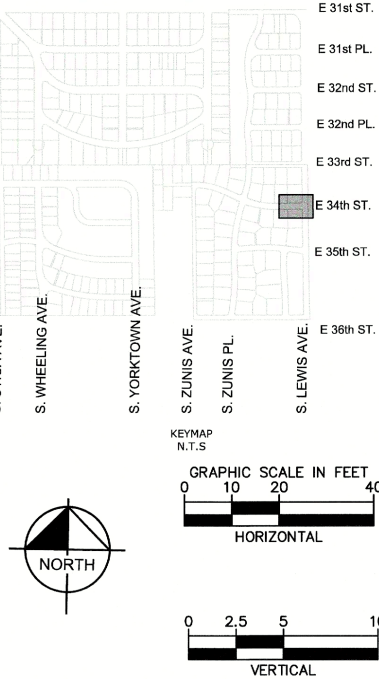


WATERLINE H PLAN

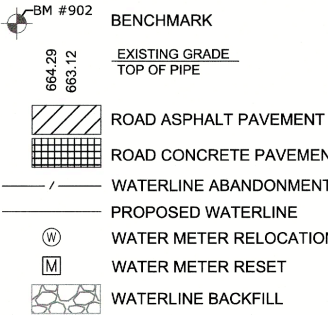


SERVICE CONNECTIONS

NO.	SERVICE TYPE
2	3/4" WATER SERVICE CONNECTION (LONG)
2	3/4" WATER SERVICE CONNECTION (SHORT)
1	1" WATER SERVICE CONNECTION (LONG)



LEGEND



REVISION	BY	DATE

WATERLINE H STA 58+00 TO END

PROJECT NO. TMUA-W 25-03 C3

2" WATERLINE REPLACEMENT - VICINITY OF 31ST TO 41ST STREETS AND LEWIS TO WHEELING AVENUES,

CITY OF TULSA, OKLAHOMA
WATER & SEWER DEPARTMENT

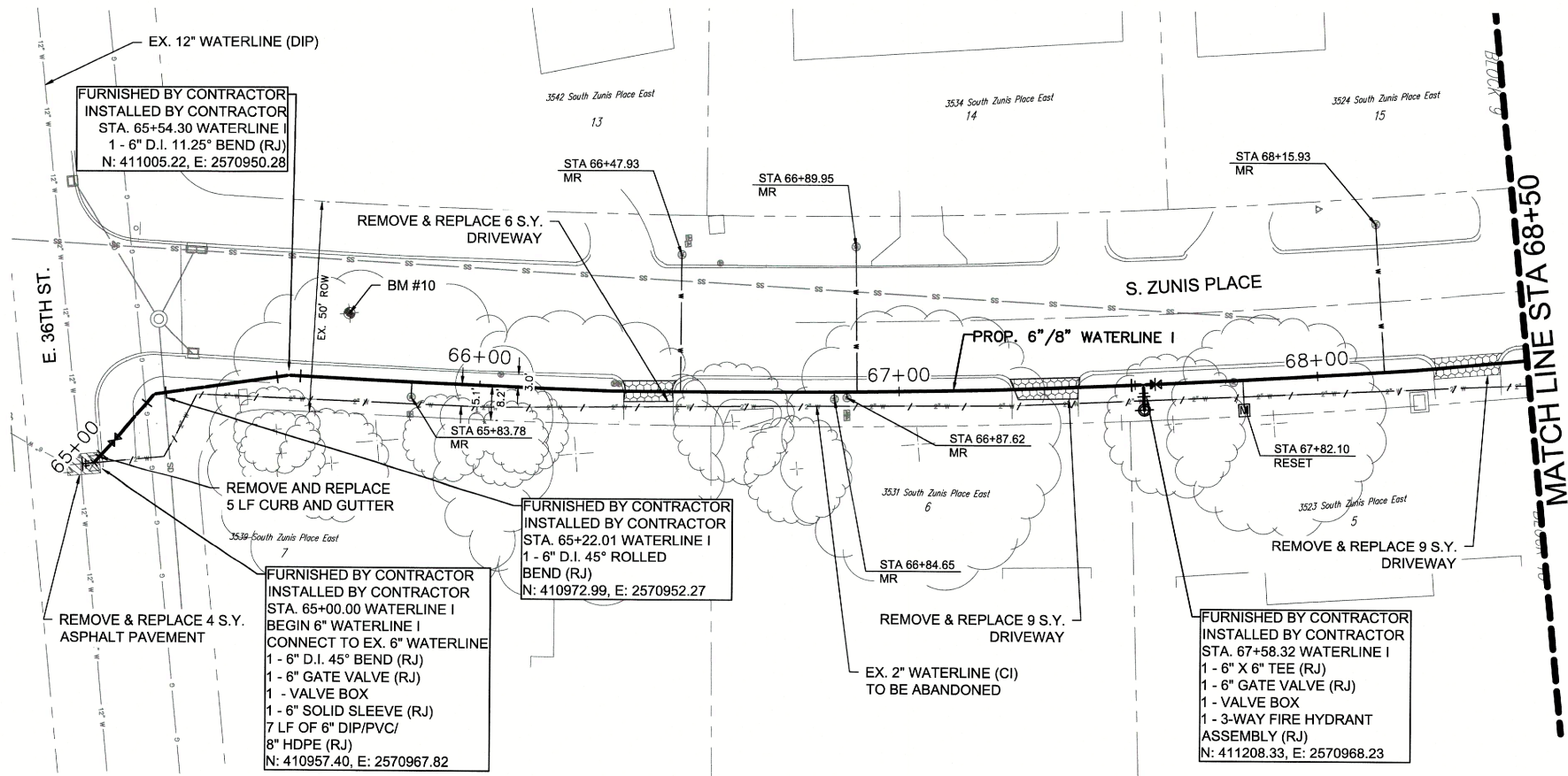
PLANS AND ESTIMATES PREPARED BY:
Kimley»Horn
1437 South Boulder Avenue, Suite 930, Tulsa, OK 74119
OK License No. 2740 Exp. Date 06/30/2027 (918) 209-3191

PLAN SCALE:	DRAWN	OCB	8/28/25	APPROVED:
1"=20'	DESIGNED	RWS	8/28/25	
	SURVEY	DB	8/28/25	
PROFILE SCALES:	PROJ MNGR.:			
HORIZONTAL:	LEAD ENGR.:			
1"=20'	FIELD MNGR.:			
VERTICAL:				
1"=5'				

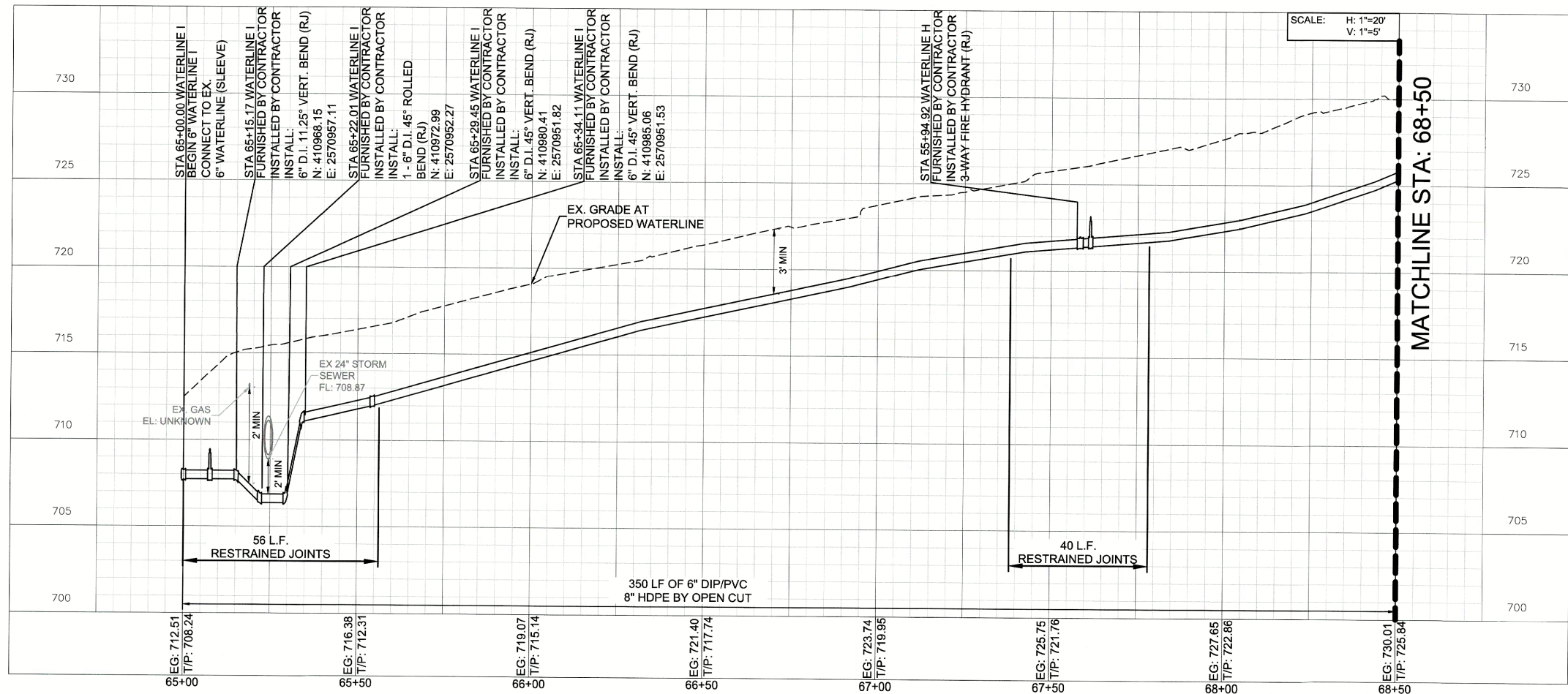
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ATLAS PAGE NO: 95	SHEET 24 OF 29



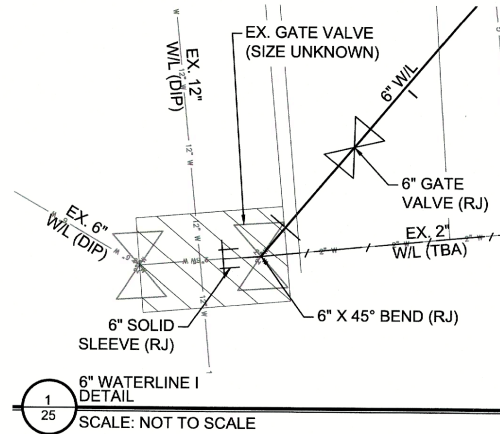
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WATERLINE I PLAN

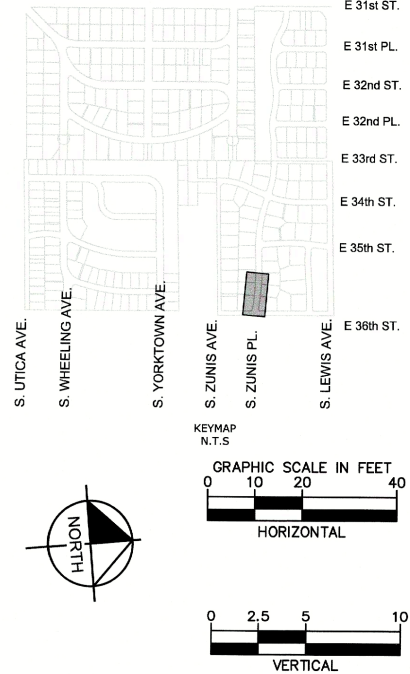


WATERLINE I PROFILE



SERVICE CONNECTIONS

NO.	SERVICE TYPE
3	¾\"
2	¾\"
2	1\"
1	PRIVATE SERVICE CONNECTION BY LICENSED BONDED PLUMBER



LEGEND

- BM #902 BENCHMARK
- EXISTING GRADE TOP OF PIPE
- ROAD ASPHALT PAVEMENT
- ROAD CONCRETE PAVEMENT
- WATERLINE ABANDONMENT
- PROPOSED WATERLINE
- WATER METER RELOCATION
- WATER METER RESET
- WATERLINE BACKFILL
- DRIVEWAY REPLACEMENT



REVISION	BY	DATE

WATERLINE I STA 65+00 TO 68+50

PROJECT NO. TMUA-W 25-03 *C3*

2\"

CITY OF TULSA, OKLAHOMA
WATER & SEWER DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
Kimley»Horn
1437 South Boulder Avenue, Suite 930, Tulsa, OK 74119
OK License No. 2740 Exp. Date 06/30/2027 (918) 209-3191

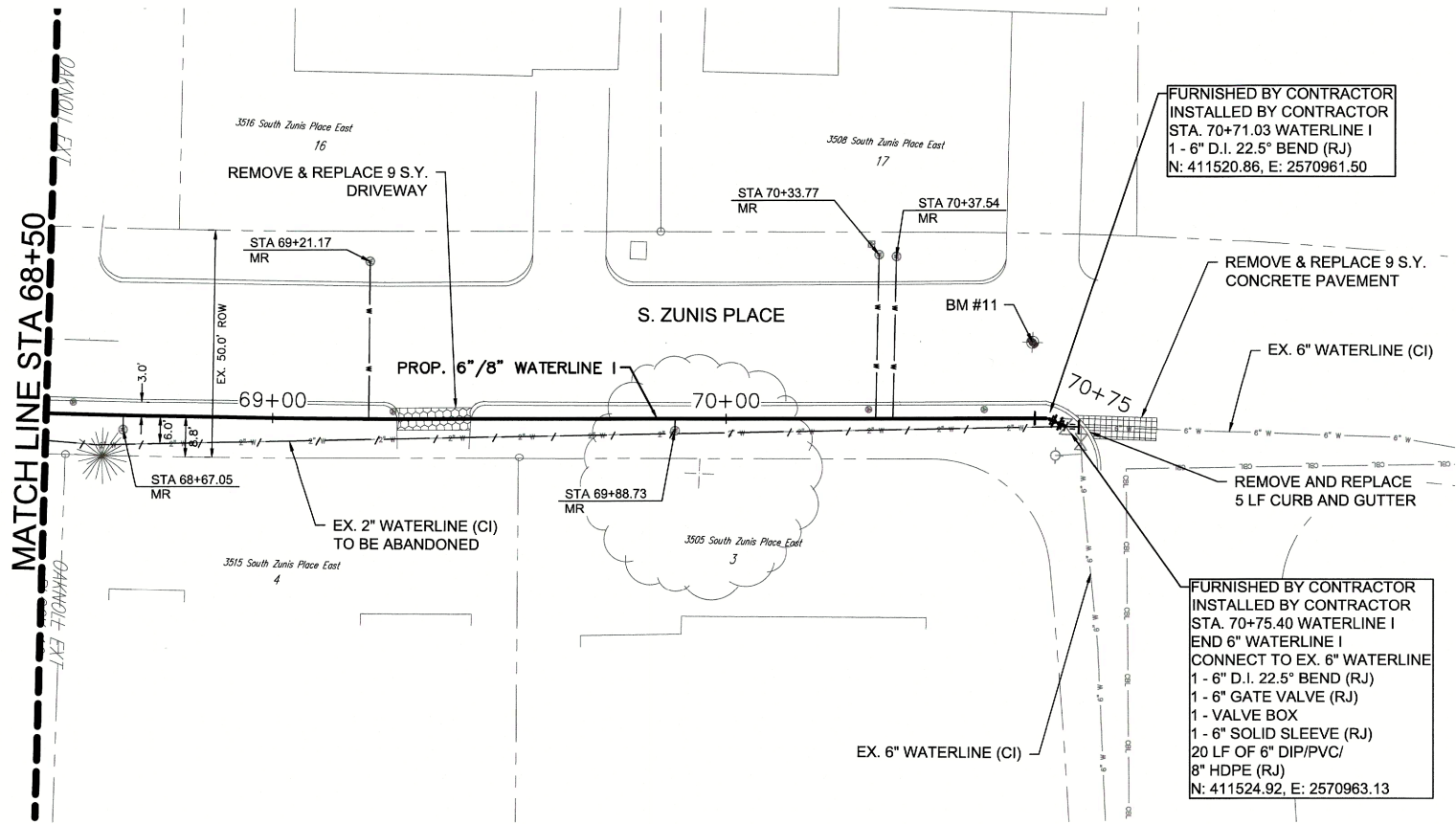
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	SURVEY	DB	8/28/25	
PROFILE SCALES:	PROJ MNGR.:			
HORIZONTAL:	LEAD ENGR.:	<i>John G. My</i>		
1\"	FIELD MNGR.:	<i>John G. My</i>		
VERTICAL:				
1\"				

DRAWING: C-WATERLINE I.DWG	ATLAS PAGE NO: 95	SHEET 25 OF 29
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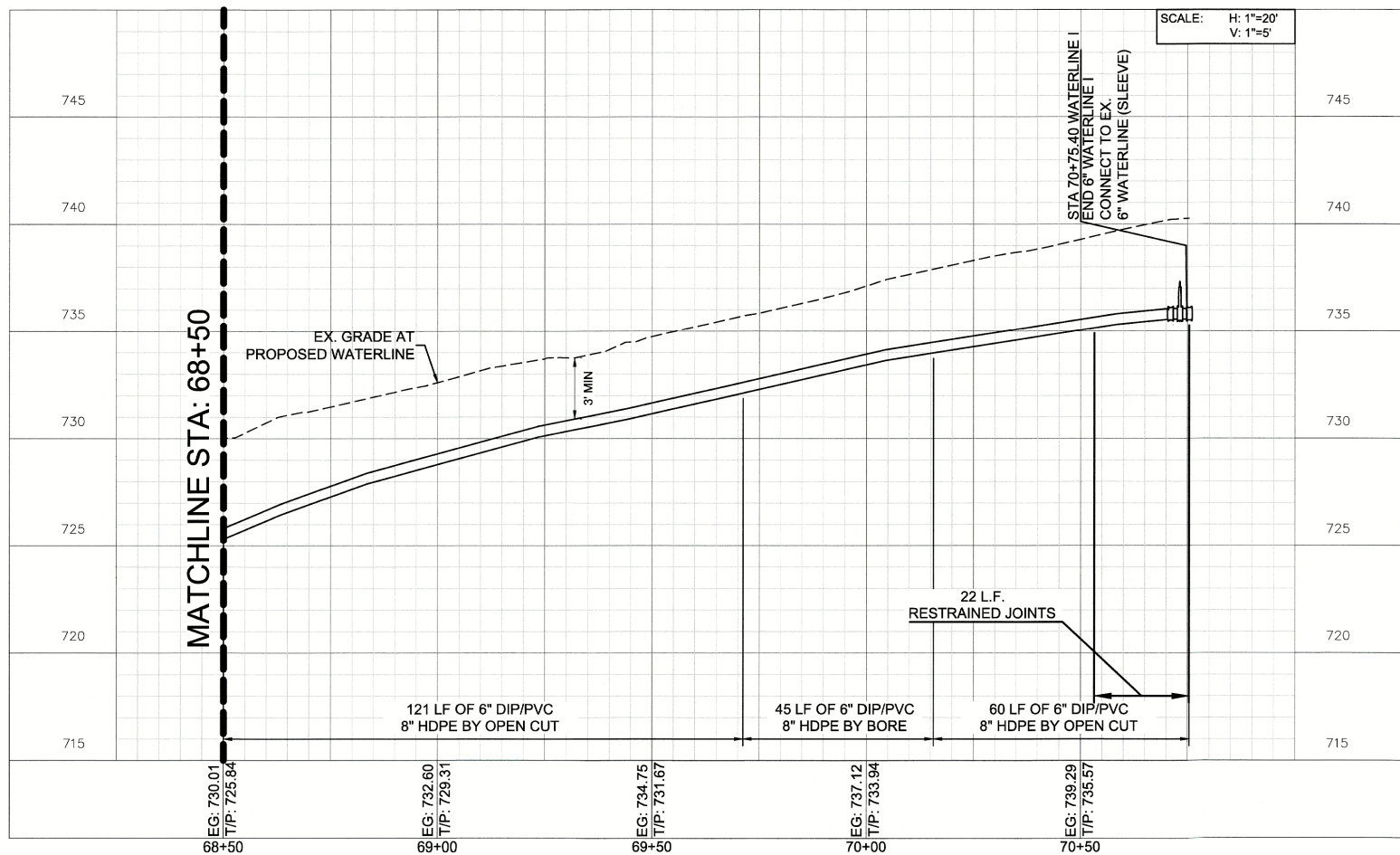


CITY OF TULSA PROJECT NO. TMUA-W 25-03

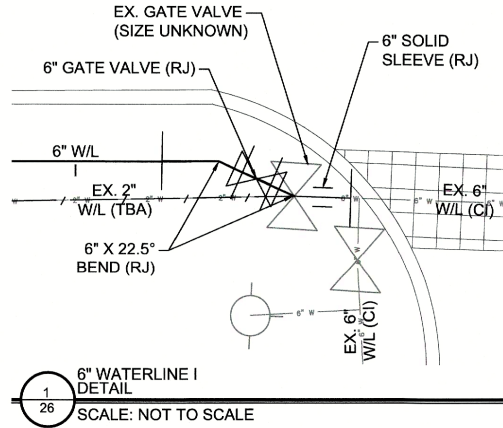
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WATERLINE I PLAN

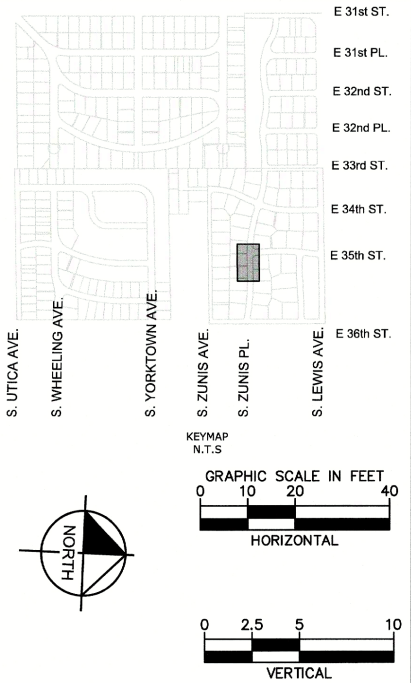


WATERLINE I PROFILE



SERVICE CONNECTIONS

NO.	SERVICE TYPE
2	¾" WATER SERVICE CONNECTION (LONG)
2	¾" WATER SERVICE CONNECTION (SHORT)
1	1" WATER SERVICE CONNECTION (LONG)



LEGEND

- BM #902 BENCHMARK
- 664.29 663.12 EXISTING GRADE TOP OF PIPE
- ROAD ASPHALT PAVEMENT
- ROAD CONCRETE PAVEMENT
- WATERLINE ABANDONMENT
- PROPOSED WATERLINE
- WATER METER RELOCATION
- WATER METER RESET
- WATERLINE BACKFILL
- DRIVEWAY REPLACEMENT



REVISION	BY	DATE

WATERLINE I STA 68+50 TO END

PROJECT NO. TMUA-W 25-03 *CB*

2" WATERLINE REPLACEMENT -
VICINITY OF 31ST TO 41ST STREETS AND
LEWIS TO WHEELING AVENUES,

CITY OF TULSA, OKLAHOMA
WATER & SEWER DEPARTMENT

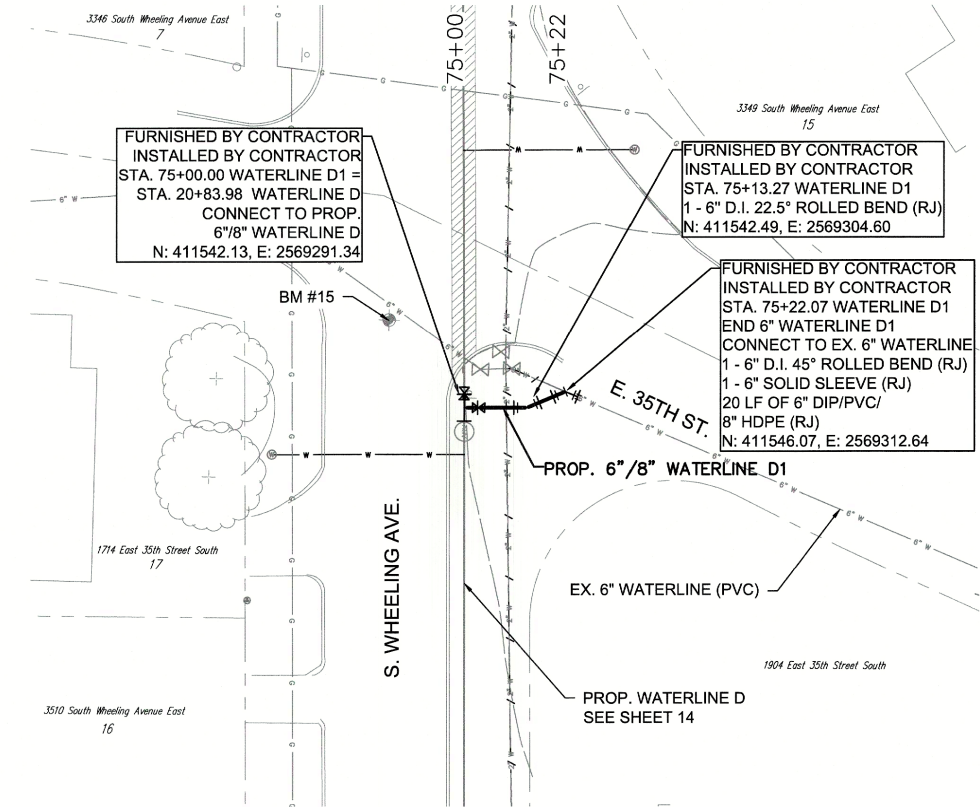
PLANS AND ESTIMATES PREPARED BY:
Kimley»Horn
1437 South Boulder Avenue, Suite 930, Tulsa, OK 74119
OK License No. 2740 Exp. Date 06/30/2027 (918) 209-3191

PLAN SCALE: 1"=20'	DRAWN	OCB	8/28/25	APPROVED:
	DESIGNED	RWS	8/28/25	
PROJ. SCALES:	SURVEY	DB	8/28/25	PROJ. MNGR.: <i>Jim 3/26</i>
	PROJ. MNGR.:			
HORIZONTAL: 1"=20'	LEAD ENGR.:	<i>Jim 3/26</i>		<i>Shannon S. M.</i> DESIGN MANAGER
	FIELD MNGR.:	<i>Jim 3/26</i>		
VERTICAL: 1"=5'				

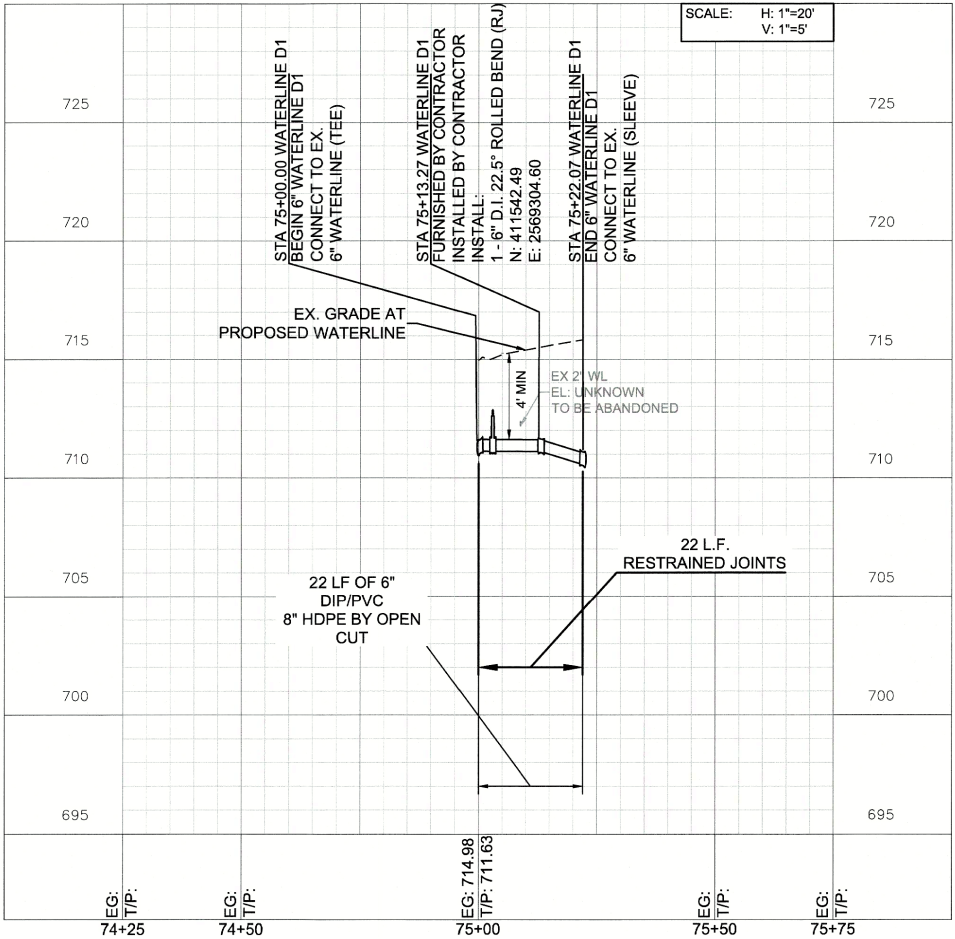
DRAWING: C-WATERLINE I.DWG	ATLAS PAGE NO: 95	SHEET 26 OF 29
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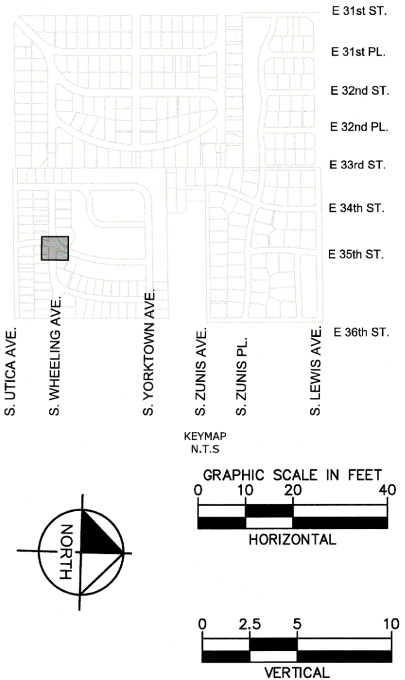
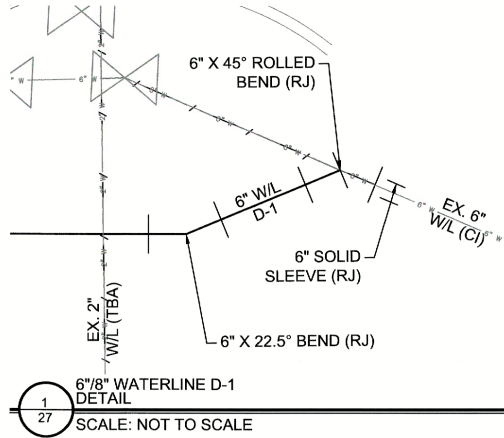
CITY OF TULSA PROJECT NO. TMUA-W 25-03



WATERLINE D-1 PLAN



WATERLINE D-1 PROFILE



LEGEND

- BM #902 BENCHMARK
- 664.29 EXISTING GRADE
- 663.12 TOP OF PIPE
- ROAD ASPHALT PAVEMENT
- ROAD CONCRETE PAVEMENT
- WATERLINE ABANDONMENT
- PROPOSED WATERLINE
- WATER METER RELOCATION
- WATER METER RESET
- WATERLINE BACKFILL



REVISION	BY	DATE

WATERLINE D-1 STA 75+00 TO END

PROJECT NO. TMUA-W 25-03 *03*

2" WATERLINE REPLACEMENT -
VICINITY OF 31ST TO 41ST STREETS AND
LEWIS TO WHEELING AVENUES,

CITY OF TULSA, OKLAHOMA
WATER & SEWER DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
Kimley»Horn
1437 South Boulder Avenue, Suite 930, Tulsa, OK 74119
OK License No. 2740 Exp. Date 06/30/2027 (918) 209-3191

PLAN SCALE: 1"=20'	DRAWN	OCB	8/28/25	APPROVED:
	DESIGNED	RWS	8/28/25	
	SURVEY	DB	8/28/25	
PROFILE SCALES:	PROJ MNGR.:			
HORIZONTAL: 1"=20'	LEAD ENGR.:	<i>Reid</i>	<i>8/26</i>	
VERTICAL: 1"=5'	FIELD MNGR.:	<i>Tom</i>	<i>8/26</i>	
				<i>Thomas B. M.</i> DESIGN MANAGER

DRAWING: C-WATERLINE D-1.DWG	ATLAS PAGE NO: 95	SHEET 27 OF 29
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PLOT DATE: 12/17/2025 1:44 PM, DRAWING NAME: TRAFFIC CONTROL PLAN.DWG



PHASE 2 NOTES

WORK ZONE CONSISTS OF 5' PATCH CENTERED ON WATERLINE, AND 2' BUFFER TO DRIVING LANE(S).

PHASE 2:
INSTALL WATERLINE 15+00 TO 26+15
WORK ZONE 1 - 17+15 TO 17+69
WORK ZONE 2 - 20+86 TO 22+38
WORK ZONE 3 - 23+18 TO 26+15

MAINTAIN 1 LANE OF NORTH/SOUTH (2 WAY) ACCESS ON S WHEELING AV.
MAINTAIN 1 LANE OF ACCESS FOR NORTH/SOUTH (2 WAY) TRAFFIC AT INTERSECTIONS OF E 35TH ST AND E 35TH PL.

PHASE 3 NOTES

WORK ZONE CONSISTS OF 5' PATCH CENTERED ON WATERLINE, AND 2' BUFFER TO DRIVING LANE(S).

PHASE 3:
INSTALL WATERLINE 30+00 TO 38+16
WORK ZONE 1 - 31+79 TO 38+13
MAINTAIN 1 LANE OF EAST/WEST (2 WAY) ACCESS ON E 35TH PL. 1 LANE OF NORTH/SOUTH (2 WAY) TRAFFIC AT INTERSECTION OF E 35TH PL AND S YORKTOWN AV.

PHASE 4 NOTES

WORK ZONE CONSISTS OF 5' PATCH CENTERED ON WATERLINE, AND 2' BUFFER TO DRIVING LANE(S).

PHASE 4:
INSTALL WATERLINE 40+00 TO 47+93
WORK ZONE 1 - 41+20 TO 47+89

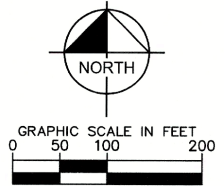
MAINTAIN 1 LANE OF NORTH/SOUTH (2 WAY) ACCESS ON S XANTHUS AV. 1 LANE OF EAST/WEST (2 WAY) ACCESS ON E 34TH ST. AND 1 LANE OF NORTH/SOUTH (2 WAY) ACCESS AT INTERSECTION OF E 34TH ST AND S YORKTOWN AV.

PHASE 5 NOTES

WORK ZONE CONSISTS OF 5' PATCH CENTERED ON WATERLINE, AND 2' BUFFER TO DRIVING LANE(S).

PHASE 5:
INSTALL WATERLINE 50+00 TO 52+86, AND 55+00 TO 60+00
WORK ZONE 1 - 50+00 TO 52+79
WORK ZONE 2 - 56+62 TO 59+95

MAINTAIN 1 LANE OF EAST/WEST (2 WAY) ACCESS ON E 34TH ST AND 1 LANE OF NORTH/SOUTH (2 WAY) ACCESS AT THE INTERSECTION OF E 34TH ST AND S ZUNIS AV.



LEGEND

	WORK ZONE PHASE 1
	WORK ZONE PHASE 2
	WORK ZONE PHASE 3
	WORK ZONE PHASE 4
	WORK ZONE PHASE 5



REVISION	BY	DATE

TRAFFIC CONTROL PLAN (1 OF 2)

PROJECT NO. TMUA-W 25-03 **C3**

2" WATERLINE REPLACEMENT -
VICINITY OF 31ST TO 41ST STREETS AND
LEWIS TO WHEELING AVENUES,

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

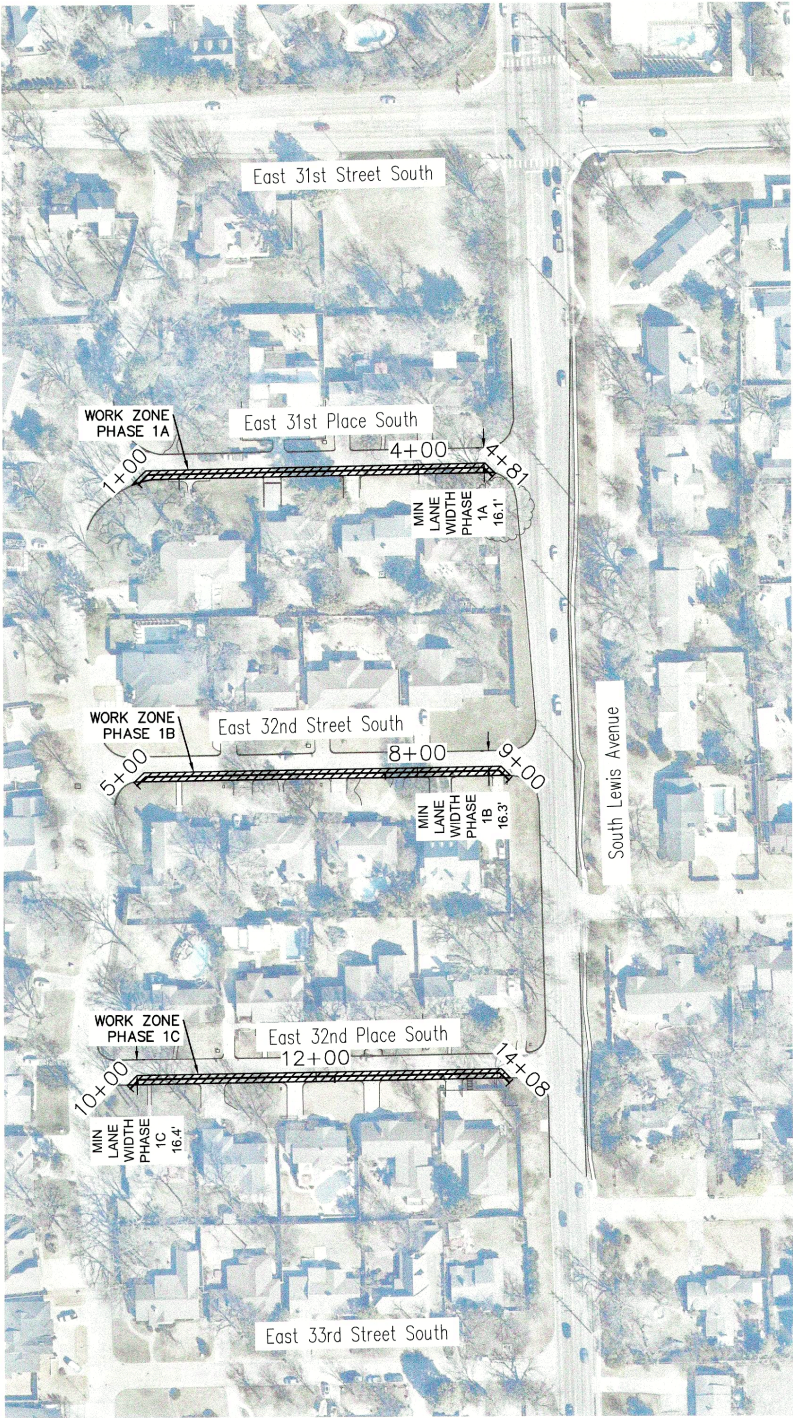
PLANS AND ESTIMATES PREPARED BY:
Kimley»Horn
1437 South Boulder Avenue, Suite 930, Tulsa, OK 74119
OK License No. 2740 Exp. Date 06/30/2027 (918) 209-3191

PLAN SCALE:	DRAWN	OCB	5/2/25	APPROVED:
1"=20'	DESIGNED	RWS	5/2/25	
	SURVEY	DB	5/2/25	
PROFILE SCALES:	PROJ MNGR.:			
HORIZONTAL:	LEAD ENGR.:	OCB	3/26	
1"=20'	FIELD MNGR.:	Jim	3/26	
VERTICAL:	RECOMMENDED:	Jim	3/26	
1"=5'	DESIGN MANAGER			

DRAWING:	TRAFFIC CONTROL PLAN.DWG
ATLAS PAGE NO:	95
	SHEET 28 OF 29

CITY OF TULSA PROJECT NO. TMUA-W 25-03

PLOT DATE: 12/17/2025 1:47 PM, DRAWING NAME: TRAFFIC CONTROL PLAN.DWG



PHASE 1 NOTES

WORK ZONE CONSISTS OF 5' PATCH CENTERED ON WATERLINE, AND 2' BUFFER TO DRIVING LANE(S).

PHASE 1A:
INSTALL WATERLINE 1+00 TO 4+81
WORK ZONE - 1+00 TO 4+81

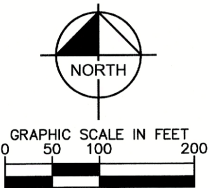
MAINTAIN 1 LANE OF EAST/WEST (2 WAY) ACCESS ON E 31ST PL.

PHASE 1B:
INSTALL WATERLINE 5+00 TO 9+00
WORK ZONE - 5+00 TO 9+00

MAINTAIN 1 LANE OF EAST/WEST (2 WAY) ACCESS ON E 32ND ST.

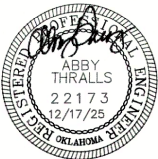
PHASE 1C:
INSTALL WATERLINE 10+00 TO 14+08
WORK ZONE - 10+00 TO 14+08

MAINTAIN 1 LANE OF EAST/WEST (2 WAY) ACCESS ON E 32ND PL.



LEGEND

	WORK ZONE PHASE 1
	WORK ZONE PHASE 2
	WORK ZONE PHASE 3
	WORK ZONE PHASE 4
	WORK ZONE PHASE 5



REVISION	BY	DATE

TRAFFIC CONTROL PLAN (2 OF 2)

PROJECT NO. TMUA-W 25-03 *C3*

2" WATERLINE REPLACEMENT -
VICINITY OF 31ST TO 41ST STREETS AND
LEWIS TO WHEELING AVENUES,

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:
Kimley»Horn
1437 South Boulder Avenue, Suite 930, Tulsa, OK 74119
OK License No. 2740 Exp. Date 06/30/2027 (918) 209-3191

PLAN SCALE:	DRAWN	OCB	5/2/25	APPROVED:
1"=20'	DESIGNED	RWS	5/2/25	
	SURVEY	DB	5/2/25	
PROFILE SCALES:	PROJ MNGR.:			
HORIZONTAL:	LEAD ENGR.:		<i>CEW 3/26</i>	
1"=20'	FIELD MNGR.:		<i>Ben 3/26</i>	
VERTICAL	RECOMMENDED			
1"=5'	DESIGN MANAGER		<i>Thomas S. 3/26</i>	

DRAWING:	TRAFFIC CONTROL PLAN.DWG
ATLAS PAGE NO:	95
	SHEET 29 OF 29

CITY OF TULSA PROJECT NO. TMUA-W 25-03