



ADDENDUM NUMBER 9

Project Number _____ Federal No. STBG-3001(007); City No. 89008525

Project Title _____ N. Oak Trafficway Reconstruction – 42nd to 46th Street

ISSUE DATE: 07/15/2025

Bidders are hereby notified that the Bidding and Contract Documents for the above project, for which Bids are to be received on July 22nd, 2025, are amended as follows:

Information to Bidders: The following is provided to Bidders for information only:
Completion date for the project is June 12th, 2026.

Bidding Requirements

1. Delete and replace the following section(s):
 - a. Delete Document, Form 00412 Unit Prices, and replace with the following Document, Form 00412 Unit Prices dated July 15, 2025:
 - b. Delete Document, Form 00800 Supplemental Conditions, and replace with the following: Document, Form 00800 Supplemental Conditions

Contracting Requirements

1. Bid item form to be replaced 00412 and 00800 with the updated copy dated July 15, 2025, attached to this addendum.

2.

Specifications

1.

2.

Drawings:

1. Revised North Oak Trafficway Waterline Plans dated June 10, 2025, to replace sheets 29 through 32 in the original PS&E package.

2.

NOTE: Bidders must acknowledge receipt of this Addendum by listing the number and date, where provided, on the Bid Form - Document 00410.



00412 – UNIT PRICES

Date: July 15, 2025

Project Number

Federal No. STBG-3001(007); City No. 89008525

Project Title

N. Oak Trafficway Reconstruction – 42nd to 46th Street

NOTE: IN THE EVENT OF DISCREPANCY, UNIT PRICE SHALL GOVERN

Item No.	Unit	Quantity	Item Description	Unit	Extension
1	LS	1	Clearing Grubbing and Demolition		
2	LS	1	Mobilization		
3	CY	7,000	Total Unclassified Excavation		
4	CY	1,000	Embankment with Excavated Material		
5	SY	15,000	2" Type 5-01 Asphaltic Concrete Surface		
6	SY	15,000	9" Type 1 ACC Base		
7	SY	16,300	6" Untreated Compacted Aggregate		
8	SY	16,300	6" Compacted Subgrade 95% of standard max density		
9	SY	2,445	Subgrade Stabilization (Fly Ash or Cement) (9")		
10	SY	810	Mill and Overlay		
11	SY	3,800	6" Shared Use Path		
12	SY	3,800	4" Untreated Compacted Aggregate		
13	SY	300	ADA Ramp		
14	SY	640	Residential Driveway (6")		
15	SY	730	Commercial Driveway (8")		
16	LF	6,000	Curb & Gutter Type CG-1 (wet)		
17	SF	5,165	Retaining Wall		
18	LF	973	(42 in.) Pedestrian Fence (Structures)		
19	LF	20	Storm Sewer Pipe (8" PVC)		
20	LF	435	Storm Sewer Pipe (15" RCP)		
21	LF	761	Storm Sewer Pipe (18" RCP)		
22	LF	167	Storm Sewer Pipe (24" RCP)		
23	LF	437	Storm Sewer Pipe (30" RCP)		
24	LF	5	Storm Sewer Pipe (24" CMP)		
25	EA	1	Storm Sewer Structure (Curb Inlet Type I 5'X3')		
26	EA	2	Storm Sewer Structure (Curb Inlet Modified Type I 5'X3')		
27	EA	3	Storm Sewer Structure (Curb Inlet Type II 5'X3')		
28	EA	5	Storm Sewer Structure (Curb Inlet Modified Type I 8'X3')		

Item No.	Unit	Quantity	Item Description	Unit	Extension
29	EA	1	Storm Sewer Structure (Curb Inlet Type II 8'X3')		
30	EA	1	Storm Sewer Structure (Curb Inlet Modified Type I 11'X3')		
31	EA	1	Storm Sewer Structure (Curb Inlet Type II 11'X3')		
32	EA	2	Storm Sewer Structure (Field Inlet 4'X4')		
33	EA	11	Storm Sewer Structure (Manhole 4')		
34	EA	6	Storm Sewer Structure (Manhole 5')		
35	EA	1	Flared End Section (18" RCP)		
36	EA	2	Sanitary Sewer Cover Replacement		
37	EA	4	Sewer Manhole - Adjustment		
38	EA	13	Water Valve and Cut-off Adjustment		
39	EA	10	Water Meter Adjustment		
40	EA	5	Fire Hydrant Relocation		
41	SY	5,200	Sod		
42	SY	5,200	Topsoil		
43	SY	25	Riprap (1' Type II)		
44	LS	1	Contractor Furnished Survey		
45	LF	2,730	Silt Fence		
46	EA	19	Inlet Protectors		
47	SF	149	Rock Check Dams		
48	SF	1,200	Construction Entrance		
49	LS	1	Traffic Control		
50	LF	2,675	MoDOT Type F Temporary Concrete Safety Barrier		
51	LF	2,663	MoDOT Type F Temporary Concrete Safety Barrier (Relocate)		
52	EA	2	ABSORB 350 Crash Cushion		
53	LS	1	Traffic Signal Modifications		
54	EA	2	Controller Lighting Equipment Enclosure		
55	CY	2	Controller Pedestal Foundation		
56	EA	2	3/4" X 8' Copperweld Rod		
57	EA	22	Unfused Kit for Ground Wire		
58	EA	44	Fuse Holders		
59	EA	22	Identification Tags (Luminaire Poles)		
60	EA	40	Screw Base Foundation With Integral Cable Retainer		
61	EA	19	Cobrahead LED SL1/SL2		
62	EA	3	Cobrahead LED SL3		
63	EA	19	Pole 40' Valmont Aluminum		
64	EA	3	Pole 30' Valmont Aluminum with 6Ft Bracket Arm		
65	EA	13	10' Truss Arm		
66	EA	3	15' Truss Arm		
67	LF	1,230	#10 1-Conductor RHH/RHW/Use Copper		
68	LF	8,090	#8 1-Conductor RHH/RHW/Use Copper		

Item No.	Unit	Quantity	Item Description	Unit	Extension
69	LF	1,960	#6 1-Conductor RHH/RHW/Use Copper		
70	EA	4	Ingrade Junction Box Preformed Class III		
71	LF	3,170	Trenching and Backfill		
72	LF	170	Boring		
73	LF	200	3" PVC Schedule 40 Conduit		
74	LF	3,140	2" PVC Schedule 40 Conduit		
75	LF	1,500	Pavement Marking (6") (White Striped Including Spacing)		
76	LF	800	Pavement Marking (6") (White)		
77	LF	3,000	Pavement Marking (4") (Double Yellow)		
78	LF	50	Pavement Marking (24" Continental Stop Line) (White)		
79	EA	8	Pavement Marking Symbols (Arrows)		
80	LF	100	Pavement Marking (12" Solid Yellow Line)		
81	SF	59	Permanent Signing		
82	LF	70	Sign Post		
83	LF	30	Sign Post Footing		
84	EA	10	Sign Removal		
85	EA	7	Sign Relocation		
86	EA	7	Straddle Blocks		
87	EA	6	Cap and Thrust Block		
88	EA	1	2" Air Release Valve		
89	LF	200	12" CL 52 DIP Zinc Coated W/ Double Polywrap		
90	EA	6	Temporary Flushing Assembly		
91	EA	7	12" Solid Sleeves		
92	EA	12	12" 45 Degree Bends		
SUBTOTAL					
ALTERNATE #1 - STREET TREES					
ALTERNATE #2 - PEDESTRIAN HYBRID BEACON					
GRAND TOTAL					



SUPPLEMENTARY CONDITIONS

Project Number 89008525

Project Title N Oak Trafficway Reconstruction- NE 42nd to 46th

These Supplementary Conditions amend or supplement the General Conditions of the Construction Contract and other provisions of the Contract Documents as indicated below. All provisions that are not so amended or supplemented remain in full force and effect.

SC-2.03 A. Article 2, Paragraph 2.03, Copies of Documents, is amended by deleting Paragraph 2.03 A and replacing it with the following:

- A. CITY shall furnish to CONTRACTOR up to two (2) copies of the Drawings and Specifications, including Addenda.

SC-4.02 Article 4, Paragraph 4.02, Subsurface and Physical Conditions; Subparagraphs A and B are supplemented as follows:

In the preparation of the Contract Documents, no reports of explorations and tests of subsurface conditions at or contiguous to the Site of the Work have been prepared.

In the preparation of the Contract Documents, no drawings of physical conditions in or relating to existing surface or subsurface structures which are at or contiguous to the Site of the Work were utilized.

SC-4.06 Article 4, Paragraph 4.06, Asbestos, Lead-Based Paint, PCBs, Petroleum Waste or Radioactive Material, Subparagraphs A and B are supplemented as follows:

In the preparation of the Contract Documents, no reports of explorations and tests of any Hazardous Environmental Condition(s) at the Site of the Work have been prepared.

SC- 5.01 A. Article 5, Paragraph 5.01, Performance, Payment and Other Bonds, Subparagraph A, second sentence, is revised as follows:

These Bonds shall remain in effect at least until two (2) years after the date when final payment becomes due, except as provided otherwise by Laws or Regulations or by the Contract Documents. CONTRACTOR shall furnish the following additional Bonds, which shall remain in effect as stated: Maintenance Bond – Two (2) years.

SC-5.03 A. Article 5, Paragraph 5.03 Certificates of Insurance, Subparagraph A is amended by adding the following Subparagraph 1:

1. CONTRACTOR shall obtain evidence that all Subcontractors have in force the required coverage in the amounts required by these Contract Documents, and evidence that each is current on its unemployment insurance payments before Subcontractors begin Work at the Site. CONTRACTOR shall retain such evidence in its files and make available to CITY within ten (10) days after written request.

SC-5.06 A. Article 5, Paragraph 5.06, Property Insurance, is amended by deleting Subparagraph A and inserting the following:

A. CONTRACTOR shall not be required to purchase and maintain property insurance on the Work at the Site.

SC-6.06 A.1 Article 6, Paragraph 6.06 Substitutes and "Or-Equal" Items, Paragraph A is amended by adding the following at the end of Paragraph A.1:

Proposed "or-equal" items must be submitted to CITY at least 14 days prior to Bid date at the following address:

4721 Coal Mine Road
Kansas City, Missouri 64130
Attn: **Refer to Appendix 1**, Project Manager

Only Bidders may submit proposed "or-equal" items and such items must require no change in related Work. Acceptance by CITY of any proposed "or-equal" items will be made by Addendum only.

SC-6.06 A.2. Article 6, Paragraph 6.06 Substitutes and "Or-Equal" Items, Paragraph A is amended by adding the following at the end of Paragraph A.2:

Proposed substitute items must be submitted to CITY's Representative not later than 14 days prior to the time the item is to be incorporated into the Work. Only CONTRACTOR may submit proposed substitute items, and such items must be submitted to CITY's Representative on the standard City form 01630 - Substitution Request. Acceptance by CITY of any proposed substitute item will be made by Change Order.

SC-6.07 B. Article 6, Paragraph 6.07, Concerning Subcontractors, Suppliers and Others, Subparagraph B is supplemented as follows:

The following Subcontractors, Suppliers or other persons or organizations (including those who are to furnish the principal items of materials or equipment) are to be submitted to CITY for acceptance, on or before the date stated.

SC-6.09. Article 6, Paragraph 6.09, Permits, Subparagraph A is supplemented as follows:

CONTRACTOR shall secure a permit from the Missouri Highway and Transportation Commission's District Engineer prior to performing any work in state-controlled Right-of-Way.

CONTRACTOR does need to obtain but does not need to pay for the following construction permits and licenses, which have been paid for by CITY: all Public Works permits, all Parks & Recreation Department permits.

SC-6.10. Article 6, Paragraph 6.10, Compliance with Laws and Regulations, is amended by adding the following new Subparagraphs immediately following Subparagraph 6.10 I 2:

a. CONTRACTOR will be required to comply with wage rates as follows:

County –**Clay**

Work Type: State – Heavy

SC-6.10. Article 6, Paragraph 6.10, Compliance with Laws and Regulations, is amended by adding the following new Subparagraph 6.10 S:

1. "Resident Laborers" means laborers who have been residents of the State of Missouri for at least thirty days and who intend to remain Missouri residents, and residents of Nonrestrictive States.

2. "Nonrestrictive States" means states identified by the Missouri Department of Labor and Industrial Relations Division of Labor Standards that have not enacted state laws

restricting Missouri laborers from working on public works projects. A list of Nonrestrictive States can be found on the Division web site at <http://www.dolir.mo.gov/ls/index.htm>.

3. A period of Excessive Unemployment is declared when the Missouri Department of Labor and Industrial Relations Division of Labor Standards provides notice of such declaration. When in effect, notice will be provided on the Division web site at <http://www.dolir.mo.gov/ls/index.htm>. It is CONTRACTOR's obligation to determine whether a period of Excessive Unemployment is in effect when this Contract is let.

4. CONTRACTOR agrees to follow the provisions of Section 290.560 - 290.575 RSMo and agrees that if a period of Excessive Unemployment has been declared at any point during the term of this Contract, it will employ and require all Subcontractors of whatever tier to employ only Resident Laborers for the Work to be performed under this CONTRACT. Provided, however, CONTRACTOR may use laborers who are not Resident Laborers when Resident Laborers are not available or are incapable of performing the particular type of work involved if CONTRACTOR so certifies in writing to CITY and CITY issues a written approval. This provision does not apply to regularly employed nonresident executive, supervisory or technical employees.

SC-6.11. Article 6, Paragraph 6.11, Taxes, is amended by adding the following sentence to Subparagraph 6.11 B:

B. Tax Compliance. The following subparagraphs apply if the Contract is over \$150,000.00.

SC-12.01 Article 12, Paragraph 12.01, Time of the Essence is amended by adding the following new Subparagraphs immediately following Subparagraph 12.01 A:

B. Starting and Completion

1. The Work to be performed under this Contract shall begin on the date specified in the written Notice to Proceed issued by the Director of Public Works, and the Work shall be substantially complete, in accordance with Paragraph 14.04, by **June 12, 2026**. Once the Work starts, CONTRACTOR shall continuously pursue completion of the Work.
2. The Work shall be completed and ready for final payment in accordance with Paragraph 14.07 within **30 Calendar Days** after the date of Substantial Completion of the Work.

C. Liquidated Damages

1. If the Work is not substantially completed, in accordance with Paragraph 14.04, within the period stated in Paragraph 12.01 B.1, CONTRACTOR shall pay to CITY the amount of \$3000 per day as liquidated damages and not as a penalty for each Calendar Day until the Work is substantially complete. The amount of liquidated damages shall be deducted from any payments due or to become due to CONTRACTOR.
2. If the Work is not completed and ready for final payment in accordance with Paragraph 14.07, within the period stated in Paragraph 12.01 B.2, CONTRACTOR shall pay to CITY the amount of fifty dollars (\$500.00) as liquidated damages and not as a penalty for each Calendar Day until the Work is completed and ready for final payment. The amount of liquidated damages shall be deducted from any payments due or to become due to CONTRACTOR.
3. This contract involves the issuance of special assessment tax bills. To approximate the additional costs of delay in levying special assessments and issuing special

assessment tax bills, additional liquidated damages shall be deducted in the amount of fifty dollars (\$500.00) for each Calendar Day for any delay in closing the Contract caused by CONTRACTOR.

SC-13.07 Article 13, Paragraph 13.07, Correction Period, Subparagraph A is amended as follows:

The correction period set forth in Paragraph 13.07 A shall be two (2) years instead of one (1) year, which longer period of time shall also be applicable to the correction period set forth in Paragraph 13.07 C. All other provisions of Paragraph 13.07 remain unchanged except as necessary to accommodate the revised length of the correction period.

SC-14.02 A. Article 14, Paragraph 14.02, Application for Progress Payments, Subparagraph A is amended by deleting Item 3 and adding the following:

3. CITY shall make payments to CONTRACTOR monthly on or about the last day of each month. Payments to CONTRACTOR will be made on the basis of ninety-five percent (95%) of the value of the Work satisfactorily completed plus ninety-five percent (95%) of the value of properly stored and insured, unused materials on hand on the Site of the Work. CITY shall retain five percent (5%) of each partial payment until completion and acceptance of the Work covered by the Contract and final payment is due. All Work covered by a payment becomes CITY's property, provided that the Work paid for remains the sole responsibility of CONTRACTOR until all terms and conditions of the Contract have been met.

SC-14.04. Article 14, Paragraph 14.04, Substantial Completion, Subparagraph A is supplemented as follows:

- A. To be considered substantially complete, the following items of the Work must be operational and ready for CITY's continuous use as intended: all work except landscape restoration.

The contractor shall maintain two way traffic through the construction zone, 42nd to 46th St., at all times. The contractor shall maintain access to residences and businesses during construction.

WATERLINE REPLACEMENT PLANS
NORTH OAK TRAFFICWAY
FROM 43RD ST TO NE 46TH ST

FOR
KANSAS CITY, MISSOURI
CLAY COUNTY
CITY PROJECT: 89008525
FEDERAL PROJECT: STBG-3001 (007)

DRAWING INDEX

SHEET NO. TITLE

1. COVER SHEET
2. GENERAL STANDARD NOTES, GENERAL PROJECT NOTES, AND LEGEND
3. PLAN AND PROFILE N OAK TRFY - LINE 1 STA. 103+00 TO STA. 103+50
4. PLAN AND PROFILE N OAK TRFY - LINE 2 STA. 107+00 TO 110+00

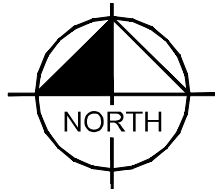


UTILITY CONTACTS

AT&T.....1-800-246-8464
LUMEN.....1-800-283-4237
CONSOLIDATED.....844-968-7224
COMCAST.....800-391-3000
FIDELITY COMMUNICATIONS.....800-392-8070
GOOGLE FIBER NOC.....1-866-954-1572
KCMO PARKS & RECREATION.....816-513-7500
KCMO STREET AND TRAFFIC DIVISION.....816-513-0421
KCMO STREET LIGHTING/ BLACK & MCDONALD.....816-483-0257
KCMO WATER SERVICES DEPT DISPATCHER.....816-513-1313
KCMO WATER SERVICES POLLUTION CONTROL.....816-513-1313
EVERGY.....888-544-4852
LEVEL 3.....877-2LEVEL3
MAGELLAN MIDSTREAM PARTNERSHIP LP.....800-720-2417
SPIRE.....800-582-0000
MISSOURI DEPARTMENT OF TRANSPORTATION.....888-275-6636
MISSOURI ONE-CALL.....800-344-7483
SOUTHERN STAR CGP.....800-324-9696
SINCLAIR TRANSPORTATION.....800-321-3994
T-MOBILE.....800-521-0579
SUREWEST.....913-825-3000
SPECTRUM.....833-493-4939
TRI COUNTY WATER.....816-796-4100
TW TELECOM.....800-829-0420
UNITE PRIVATE NETWORKS.....866-963-4237
VERIZON/ MCI COMMUNICATIONS INC.....800-624-9675
ZAYO.....866-236-2824

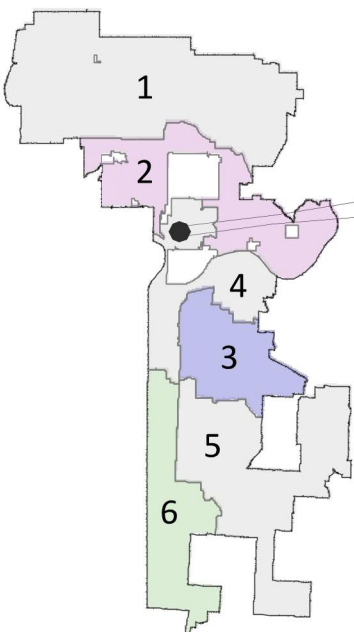


LOCATION MAP
(NOT TO SCALE)



APPROVED BY:

KENNETH MORGAN, DIRECTOR OF WATER SERVICES



DESIGN PROFESSIONAL: KIMLEY-HORN ASSOCIATES
CONTACT NAME: KEVIN WALDRON, P.E.
ADDRESS: 805 PENNSYLVANIA AVE., SUITE 150
KANSAS CITY, MISSOURI 64105
(816) 295-7509
PHONE: KEVIN.WALDRON@KIMLEY-HORN.COM
EMAIL:

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2023 KIMLEY-HORN AND ASSOCIATES, INC.
805 PENNSYLVANIA AVE., SUITE 150
KANSAS CITY, MO 64105
PHONE: 816.862.0360
WWW.KIMLEY-HORN.COM

SCALE: AS NOTED	DESIGNED BY: XXX
DRAWN BY: XXX	CHECKED BY: XXX



WATER MAIN TITLE
SHEET

NORTH OAK
TRAFFICWAY
KANSAS CITY,
MO, 64116

WSD DRAWING NO. D-20974
KCMO PROJECT NO. 89008525
ORIGINAL ISSUE: JUNE 10, 2025
FEDERAL PROJECT NO. STBG-3001 (007)
SHEET NUMBER WL-01 29A OF 171

1. CONTRACTOR SHALL PATCH AND EXPOSE ALL TIE-IN AND CROSSING LOCATIONS. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL FITTINGS REQUIRED TO PROVIDE PROPER HORIZONTAL AND VERTICAL ALIGNMENT FOR NEW WATER MAINS, CONNECTIONS TO EXISTING WATER MAINS AND INSTALLATION OF FIRE HYDRANTS AT THE PROPER LOCATION AND ELEVATION, WHETHER OR NOT THE PROPER FITTINGS, LOCATION OR ELEVATIONS ARE CALLED OUT ON THE DRAWINGS, INCLUDING MODIFICATION OF EXISTING INFRASTRUCTURE REQUIRED TO MAKE ALL OF THE WORK CONFORM TO THE CURRENT STANDARDS AND SPECIFICATIONS FOR WATER MAIN EXTENSIONS AND RELOCATIONS OF THE KANSAS CITY, MISSOURI WATER SERVICES DEPARTMENT (KCWSD).
2. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL TEMPORARY BLOW-OFF ASSEMBLIES, FITTINGS, THRUST BLOCKING, AND RESTRAINING DEVICES REQUIRED FOR TEMPORARY CONNECTIONS FOR FLUSHING, PRESSURE TESTING, CHLORINATION, AND DE-CHLORINATION OF THE NEW WATER MAINS. PRIOR TO PLACING NEW MAINS IN SERVICE THE CONTRACTOR SHALL REMOVE ANY CORPORATION COCKS USED FOR TESTING OR CHLORINATION AND REPLACE THEM WITH TAPERED BRASS PLUGS.
3. THE CONTRACTOR SHALL INSTALL POLYETHYLENE ENCASUREMENT ON ALL WATER MAINS, VALVES, FITTINGS, AND OTHER APPURTENANCES FOR THE FULL LENGTH OF THE PROJECT IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS FOR WATER MAIN EXTENSIONS AND RELOCATIONS OF KCWSD.
4. SCHEDULING OF WATER MAIN SHUTS AND CONNECTION TO EXISTING MAINS SHALL BE AT THE DISCRETION OF KCWSD.
5. ALL FIRE HYDRANT BRANCHES SHALL BE RESTRAINED USING APPROVED RESTRAINING DEVICES. HYDRANTS SHALL BE INSTALLED SO THAT THE CENTERLINE OF THE OUTLET NOZZLE IS BETWEEN EIGHTEEN AND TWENTY-ONE INCHES (18" - 21") ABOVE FINISHED GRADE, AND SO THAT THERE IS A MINIMUM CLEAR AREA OF 5' IN EACH DIRECTION TO ALLOW OPERATION OF THE HYDRANT.
6. SECTIONS OF WATER MAIN REQUIRING MULTIPLE BENDS, SUCH AS CUL-DE-SACS, SHALL BE RESTRAINED WITH APPROVED JOINT RESTRAINING DEVICES AND STRADDLE BLOCKS IN LIEU OF BACKING BLOCKS.
7. STREETS AND PARKING AREAS ARE TO BE TO GRADE AND CURBS IN PLACE PRIOR TO CONSTRUCTION OF WATER MAINS. WATER MAINS SHALL BE INSTALLED WITH A MINIMUM GROUND COVER OF 42 INCHES BELOW FINISHED GRADE. SIXTEEN (16)-INCH AND LARGER WATER MAINS SHALL BE INSTALLED WITH A MINIMUM GROUND COVER OF 60 INCHES BELOW FINISHED GRADE.
8. WATER MAINS SHALL BE LAID AT LEAST 10 FEET, HORIZONTALLY FROM ANY SEWER. WHEN LOCAL CONDITIONS PREVENT A HORIZONTAL SEPARATION OF 10 FEET, A WATER MAIN MAY BE LAID CLOSER THAN 10 FEET TO A SEWER, PROVIDED THAT THE WATER MAIN IS LAID IN A SEPARATE TRENCH, OR ON AN UNDISTURBED EARTH SLOPE LAID LOCATED ON ONE SIDE OF THE SEWER, AT SUCH AN ELEVATION THAT THE BOTTOM OF THE WATER MAIN IS AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER. WATER MAINS SHALL BE LAID SUCH THAT THERE IS A MINIMUM OF 18 INCHES CLEARANCE BETWEEN THE PIPE WALL AND THE EXTERIOR OF ANY MANHOLE AND/OR INLET ON THE SEWER LINE.

WHENEVER A WATER MAIN MUST CROSS ABOVE A SEWER, A VERTICAL SEPARATION OF 18 INCHES BETWEEN THE BOTTOM OF THE WATER MAIN AND THE TOP OF THE SEWER SHALL BE MAINTAINED. WHENEVER A WATER MAIN MUST CROSS UNDER A SEWER, A VERTICAL SEPARATION OF 18 INCHES BETWEEN THE BOTTOM OF THE SEWER AND THE TOP OF THE WATER MAIN SHALL BE MAINTAINED. A FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ON THE SEWER TO BE CROSSED SO THAT THE JOINTS WILL BE EQUALLY DISTANT FROM THE SEWER AND AS FAR AWAY AS POSSIBLE. THE 18-INCH VERTICAL SEPARATION SHALL BE MAINTAINED FOR THAT PORTION OF THE WATER MAIN LOCATED WITHIN 10 FEET, HORIZONTALLY, OF ANY SEWER IT CROSSES.

WHEN IT IS IMPOSSIBLE TO OBTAIN PROPER HORIZONTAL SEPARATION AS STIPULATED ABOVE, OR WHEN A WATER MAIN MUST CROSS UNDER A SEWER, THE SEWER MUST BE RECONSTRUCTED OF DUCTILE IRON PIPE MEETING THE REQUIREMENTS OF SECTION 02618 OF THE STANDARDS AND SPECIFICATIONS FOR WATER MAIN EXTENSIONS AND RELOCATIONS; PRE-STRESSED CONCRETE CYLINDER PIPE MEETING THE REQUIREMENTS OF SECTION 02619; OR PVC PRESSURE PIPE CONFORMING TO AWWA C-900 OR C-905, AND SHALL BE PRESSURE TESTED TO ASSURE WATER TIGHTNESS BEFORE BACKFILLING. THE REQUIRED LENGTH OF SEWER TO BE REPLACED OR CONSTRUCTED OF PRESSURE PIPE WILL BE THE LENGTH NECESSARY TO ACHIEVE 10 FEET HORIZONTAL SEPARATION.

WHERE THESE CONDITIONS CANNOT BE MET, THE WATER SERVICES DEPARTMENT SHALL BE CONSULTED AS TO THE PRECAUTIONS TO BE TAKEN TO PROTECT THE PUBLIC WATER SUPPLY.

FOR ALL SANITARY AND STORM SEWER CROSSINGS REFER TO STANDARDS AND SPECIFICATIONS FOR WATER MAIN EXTENSIONS AND RELOCATIONS: STANDARD DETAILS #01016-1, #01016-2, #01016-3, #01016-4, AND #01016-5 AS REQUIRED.
9. THE END OF ALL ABANDONED WATER MAINS SHALL BE PLUGGED WITH CONCRETE.
10. COVERS, LIDS, AND STANDPIPES ON ALL ABANDONED VALVES SHALL BE REMOVED TO AT LEAST TWO FEET (2') BELOW GRADE AND THE AREA SHALL BE PROPERLY BACKFILLED. IN PAVED AREAS REMOVAL OF VALVE LID AND FILLING OF VALVE BOX WITH CONCRETE MAY BE ALLOWED AT KCWSD DISCRETION.
11. EXISTING FIRE HYDRANTS THAT ARE REMOVED SHALL BE RETURNED TO THE KCWSD STORE YARD AT 2409 E. 18TH ST.
12. WATER SERVICE LINES CONNECTED TO MAINS BEING ABANDONED SHALL BE RECONNECTED TO NEW MAINS IN ACCORDANCE WITH THE RULES AND REGULATIONS FOR WATER SERVICE LINES OF KCWSD, UNLESS SHOWN OTHERWISE. EXISTING WATER SERVICE LINES BEING TRANSFERRED TO NEW MAINS SHALL BE UPGRADED TO MEET CURRENT REGULATIONS.
13. THE CONTRACTOR SHALL VERIFY THE OUTSIDE DIAMETER (O.D.) OF THE EXISTING WATER MAIN PRIOR TO SCHEDULING CONNECTION AND PROVIDE SOLID SLEEVES AS REQUIRED.
14. WATER MAINS WITH 10FT OR LESS HORIZONTAL SEPARATION FROM GAS MAINS SHALL HAVE DOUBLE POLY-WRAP AT ALL GAS MAIN LOCATIONS. ADDITIONALLY, WATER MAINS SHALL HAVE DOUBLE POLY-WRAP AT ALL GAS MAIN CROSSINGS 10 LF EACH SIDE OF CROSSING. MIN. (20 LF TOTAL MIN.)
15. ALL AUTOMATIC METER READERS ARE TO BE RETURNED TO KCWSD.
16. PIPE JOINT DEFLECTION SHALL BE LIMITED TO 50% OF THE PIPE MANUFACTURES MAXIMUM RECOMMENDED JOINT DEFLECTION.
17. WHERE EXISTING METERS HAVE NOT BEEN LOCATED BY THE TOPOGRAPHIC SURVEY, THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF THE EXISTING METER BEFORE RELOCATING THE METER DURING THE SERVICE TRANSFER. EXISTING METERS THAT COMPLY WITH KCWSD REQUIREMENTS WITH NOT HAVE TO BE RELOCATED. METERS NOT FOUND DURING THE TOPOGRAPHIC SURVEY ARE CURRENTLY SHOWN TO BE RELOCATED.
18. MAINTAIN 18 INCHES OF VERTICAL CLEARANCE BETWEEN THE NEW WATER MAIN AND ALL EXISTING UTILITIES AT LOCATIONS WHERE THE WATER MAIN CROSSES THE EXISTING UTILITY.

CONTRACTOR SHALL LOCATE AND VERIFY EXISTING UTILITIES PRIOR TO CONSTRUCTION.

2. CONTRACTOR SHALL PROVIDE ALL AS-BUILT ELEVATIONS AND COORDINATES FOR THE WATERLINE TO THE ENGINEER IN CONFORMANCE WITH KANSAS CITY, MISSOURI WATER SERVICES DEPARTMENT STANDARD SPECIFICATIONS SECTION 01020 - RECORD DOCUMENTS.

- WATER SYSTEMS:
 - A. FIRE HYDRANT ASSEMBLIES - PROVIDE SURVEY POINT (LOCATION AND ELEVATION) AT THE TOP OF THE OPERATING NUT FOR EACH FIRE HYDRANT.
 - B. FITTINGS - PROVIDE SURVEY POINT (LOCATION AND ELEVATION) AT THE CENTER OF EACH FITTING (I.E. BENDS TEES, VALVES, ETC.). SURVEY SHALL BE TAKEN AT THE TOP OF EACH FITTING. PROVIDE THE ELEVATION OF THE FINISHED GRADE OR IMPROVEMENTS AT THE TOP OF THE FITTING.
 - C. PIPE PROFILE - PROVIDE SURVEY POINTS (LOCATION AND ELEVATION) AT THE CENTER POINT OF ALL PIPING AT A MAXIMUM SPACING OF 50 FEET. SURVEY SHALL BE TAKEN AT THE TOP OF THE PIPE. AT THE SAME LOCATION, PROVIDE THE ELEVATION OF THE FINISHED GRADE.
 - D. VALVE, VALVE VAULTS, METER PITS AND OTHER STRUCTURES - A SURVEY IS REQUIRED TO VERIFY THE LOCATION OF ALL NEW VALVES, VALVE VAULTS, METER PITS OR OTHER STRUCTURES. THE SURVEY SHALL INCLUDE, BUT IS NOT LIMITED TO, THE FOLLOWING:
 - a. LOCATION OF THE STRUCTURE - PROVIDE COORDINATES FOR THE CENTER OF THE ACCESS COVER.
 - b. TOP ELEVATION - PROVIDE THE TOP ELEVATION OF THE STRUCTURE AT THE CENTER OF THE ACCESS COVER

3. EXISTING MAINS CAN BE CUT AND CAPPED WITH CONCRETE OR REMOVED

4. ALL EXISTING WATER MAINS TO BE MAINTAINED MUST BE MOVED A MINIMUM OF 2 FEET BELOW GRADE IF LEFT IN PLACE

TBM #43
ELEVATION = 889.95
CHISELED SQUARE ON THE SOUTHWEST CORNER OF CONCRETE CURB INLET MANHOLE LID 1152 WEST
SIDE OF NORTH OAK TRAFFICWAY SOUTH OF NORTHEAST BRIARCLIFF PARKWAY
STA 101+44.54, 38.93' LT

TBM #2
ELEVATION = 903.51
CHISELED SQUARE ON THE NORTHEAST CORNER OF CONCRETE HEADWALL WEST SIDE OF NORTH OAK
TRAFFICWAY
STA 110+43.38, 33.08' LT

KCMO #4428
ELEVATION = 913.14
CHISELED "SQUARE KC" ON THE NORTH SIDE OF A CONCRETE BASE FOR MOST SOUTHERLY LAMP POST
IN FRONT OF #4370 NORTH OAK TRAFFIC WAY, 50 FEET NORTH OF THE CENTERLINE OF NE 43RD TERRACE
AND 50 FEET WEST OF THE CENTERLINE OF NORTH OAK TRAFFICWAY
STA 112+88.45, 49.64' LT

TBM #1 KCMO #4427
ELEVATION = 950.73
CHISELED "SQUARE KC" ON THE NORTHEAST CORNER OF A CONCRETE BASE FOR A FLAG POLE, 100 FEET
WEST OF THE INTERSECTION OF NORTH OAK TRAFFICWAY AND NORMANDY LANE
STA 127+64.93, 125.44' LT

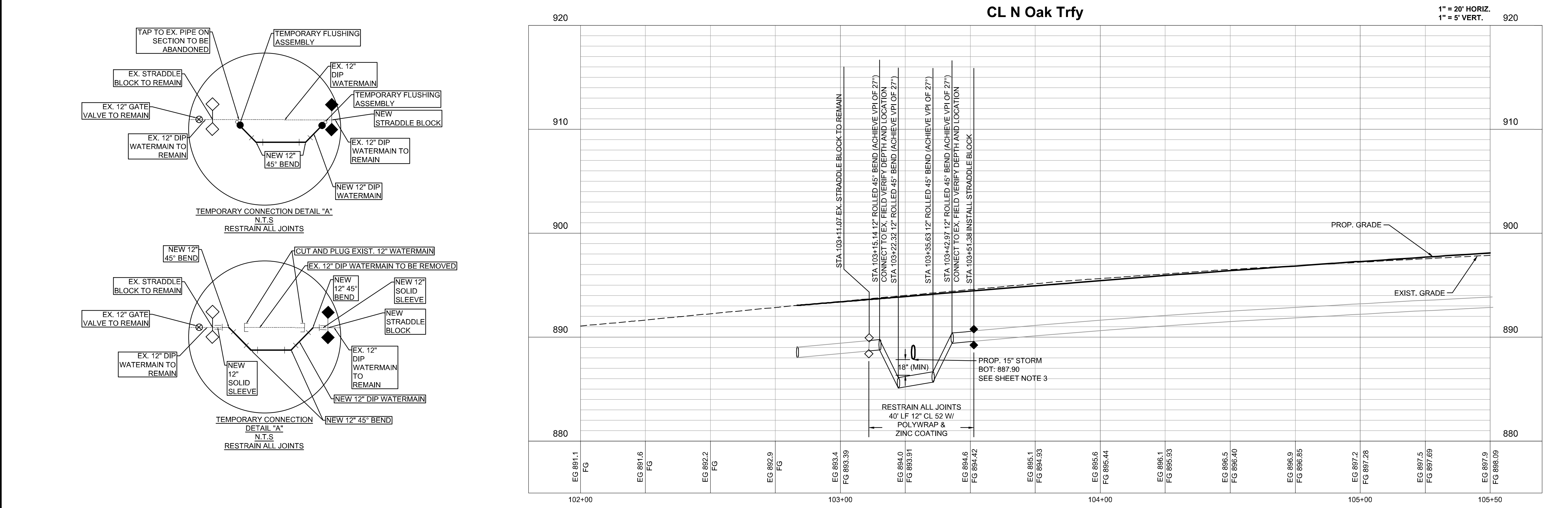
WATER MAIN SYMBOLS

	NEW	EXISTING
WATER MAINS		
ENCASEMENT PIPE		
FIRE HYDRANT		
REMOVAL OR RELOCATION		
SOLID SLEEVE		
NON-CONNECTING MAINS		
BEND WITH BACKING BLOCK		
STRADDLE BLOCK		
VALVES		
TAPPING SLEEVE AND VALVE		
CHECK VALVES		
BLOWOFF ASSEMBLY OR FLUSHING ASSEMBLY		
TEE		
AIR RELEASE VALVE		
REDUCER		
PLUG		
PLUG ON TEE		
PLUG ON CROSS		
CROSSES		
STAND PIPE		
YARD HYDRANT		
PIPELINE MARKER		
SERVICE LINES		
CONNECTIONS		
CURB STOP		
METERS		
DRINKING WATER SAMPLING STATION		

[illegible]

TEMPORARY CONNECTION DETAIL "A"
N.T.S.
RESTRAIN ALL JOINTS

TEMPORARY CONNECTION DETAIL "B"
N.T.S.
RESTRAIN ALL JOINTS



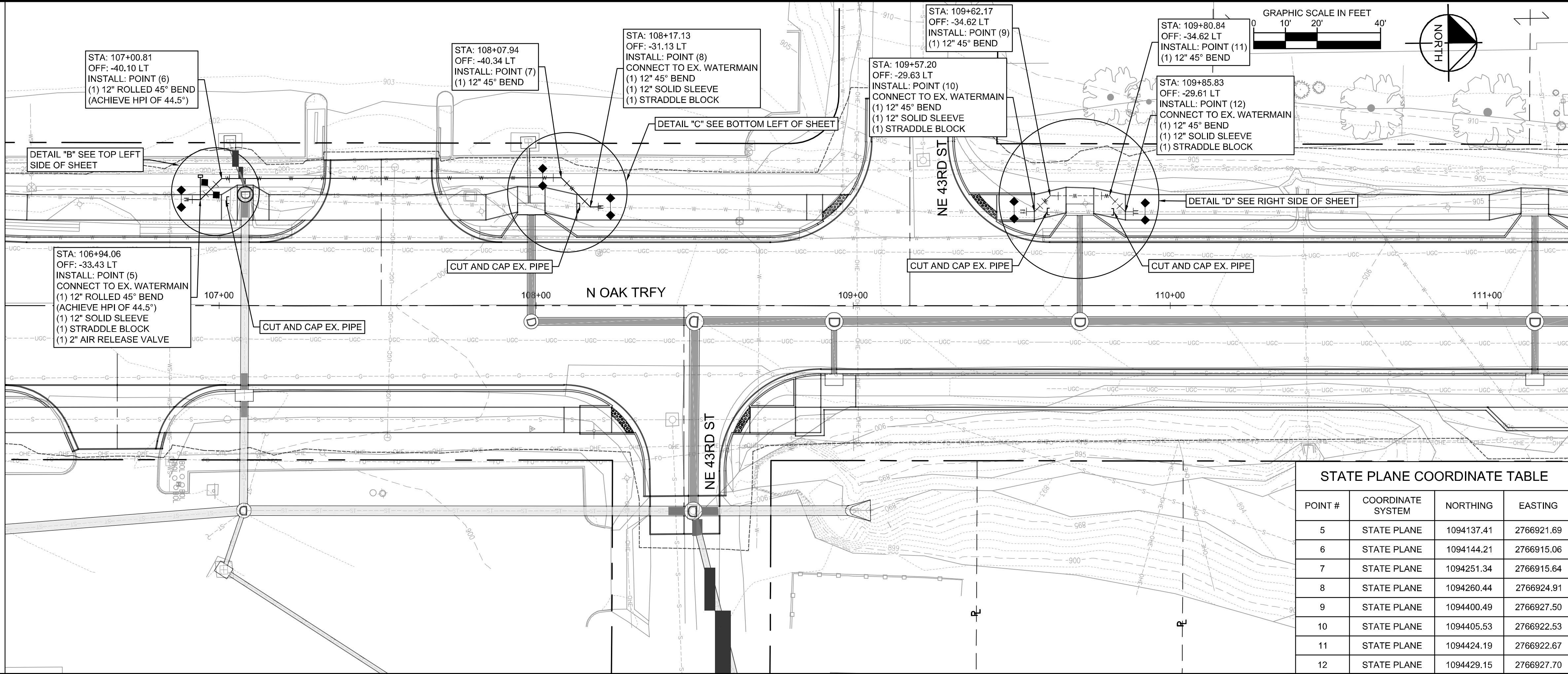
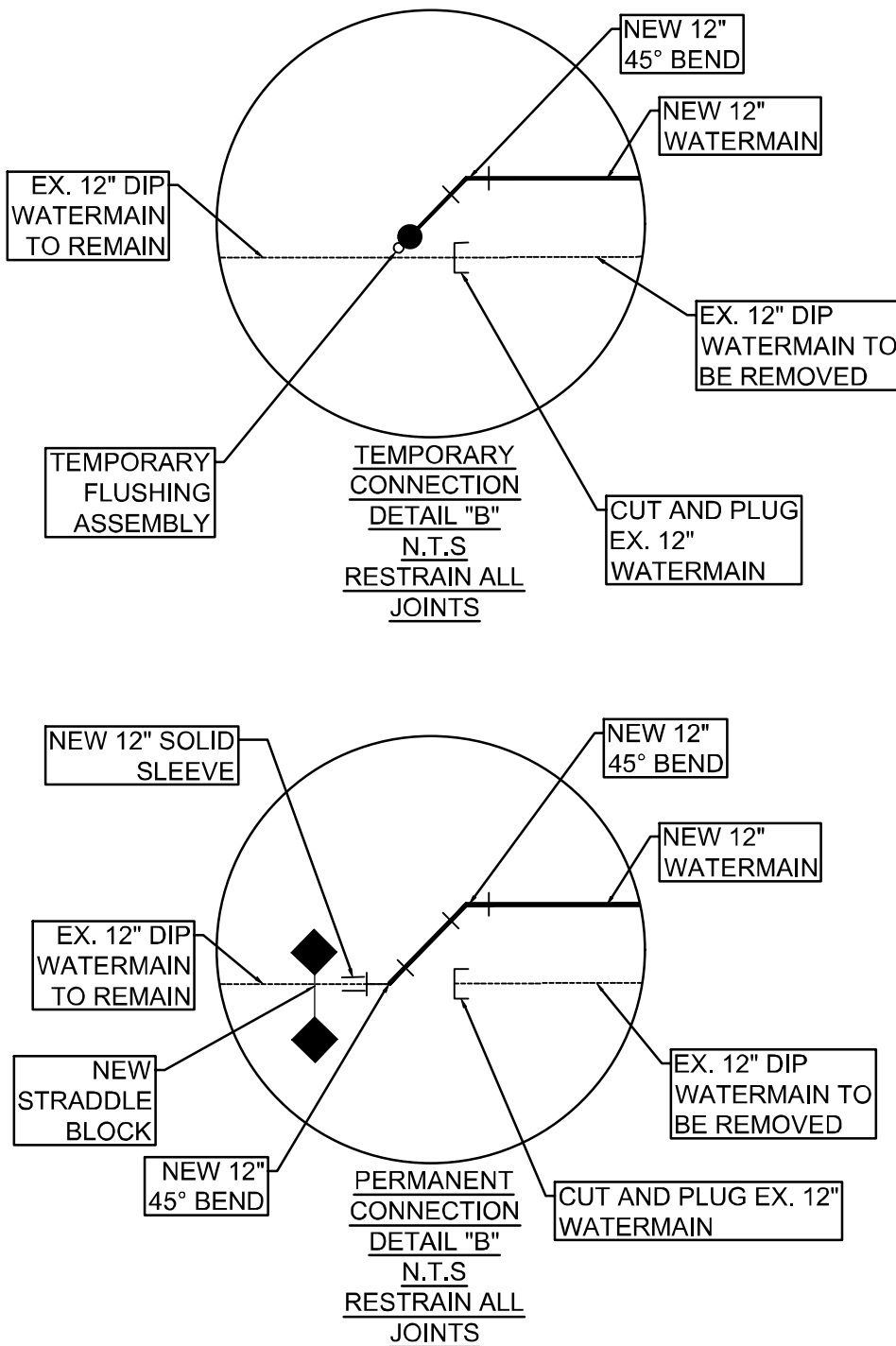
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KANSAS CITY, MO 64105
PHONE: 816-652-0350
WWW.KIMLEY-HORN.COM

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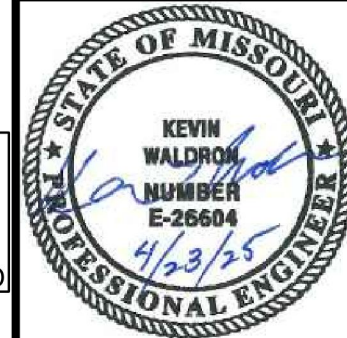
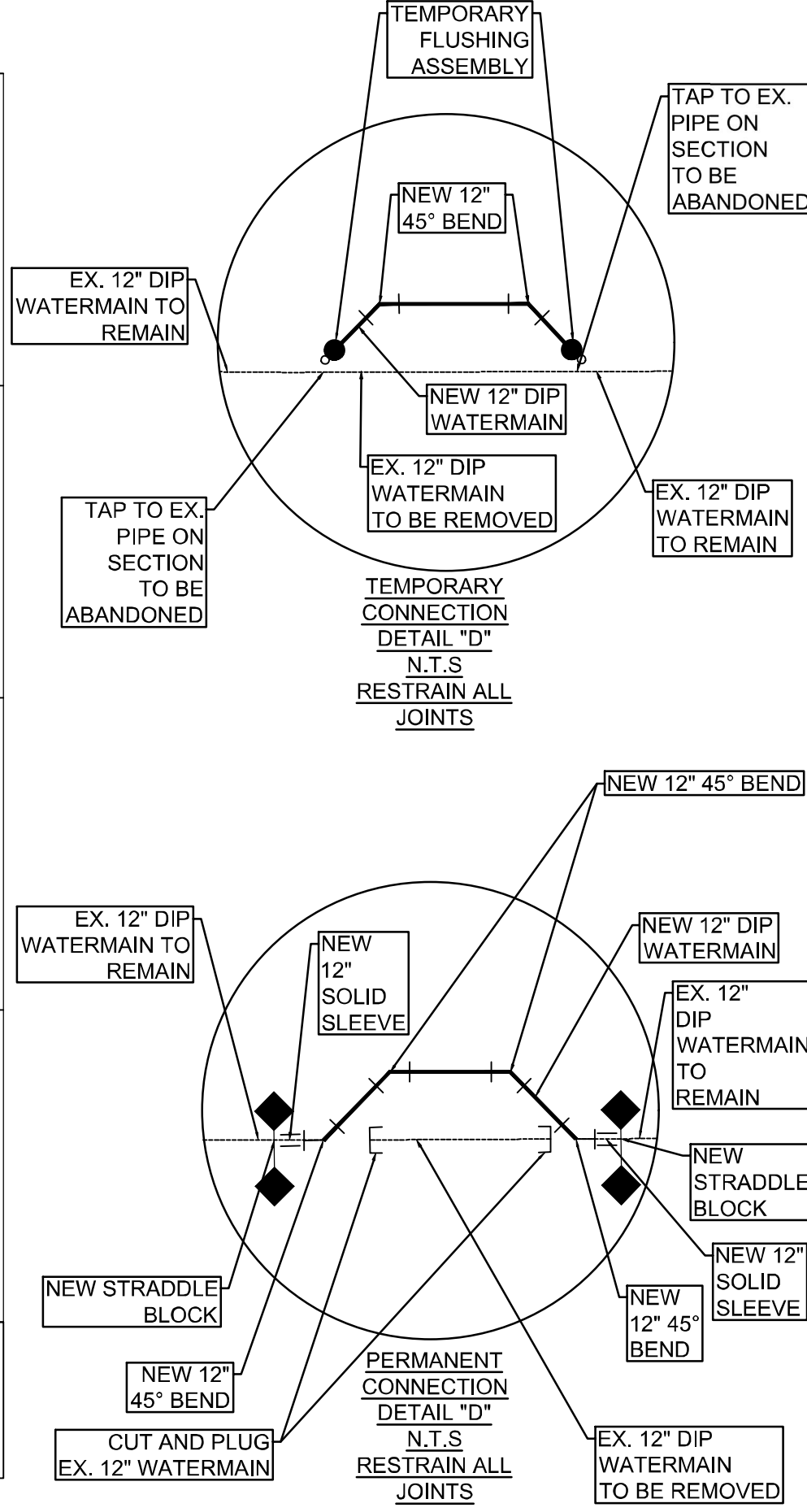
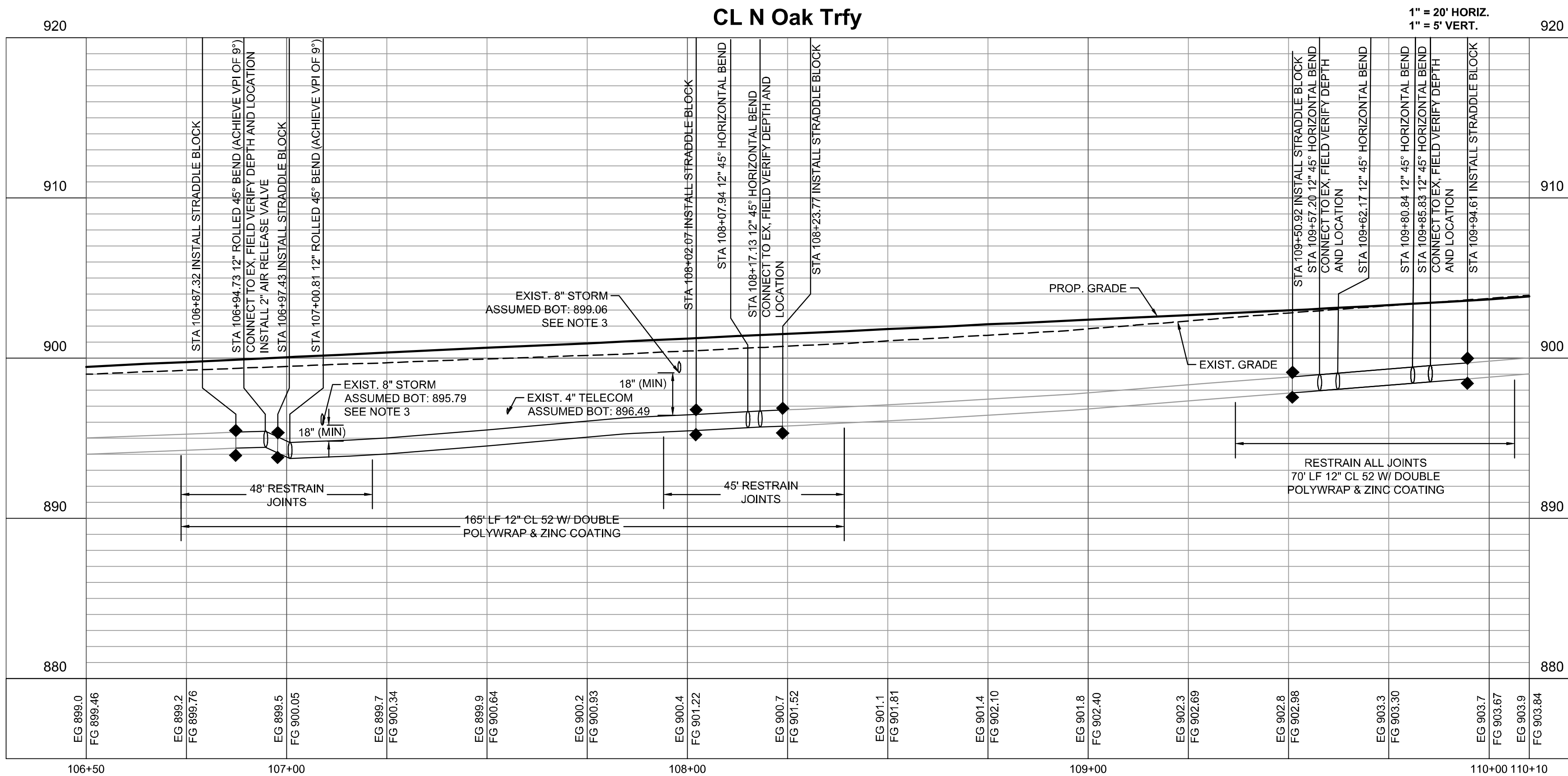
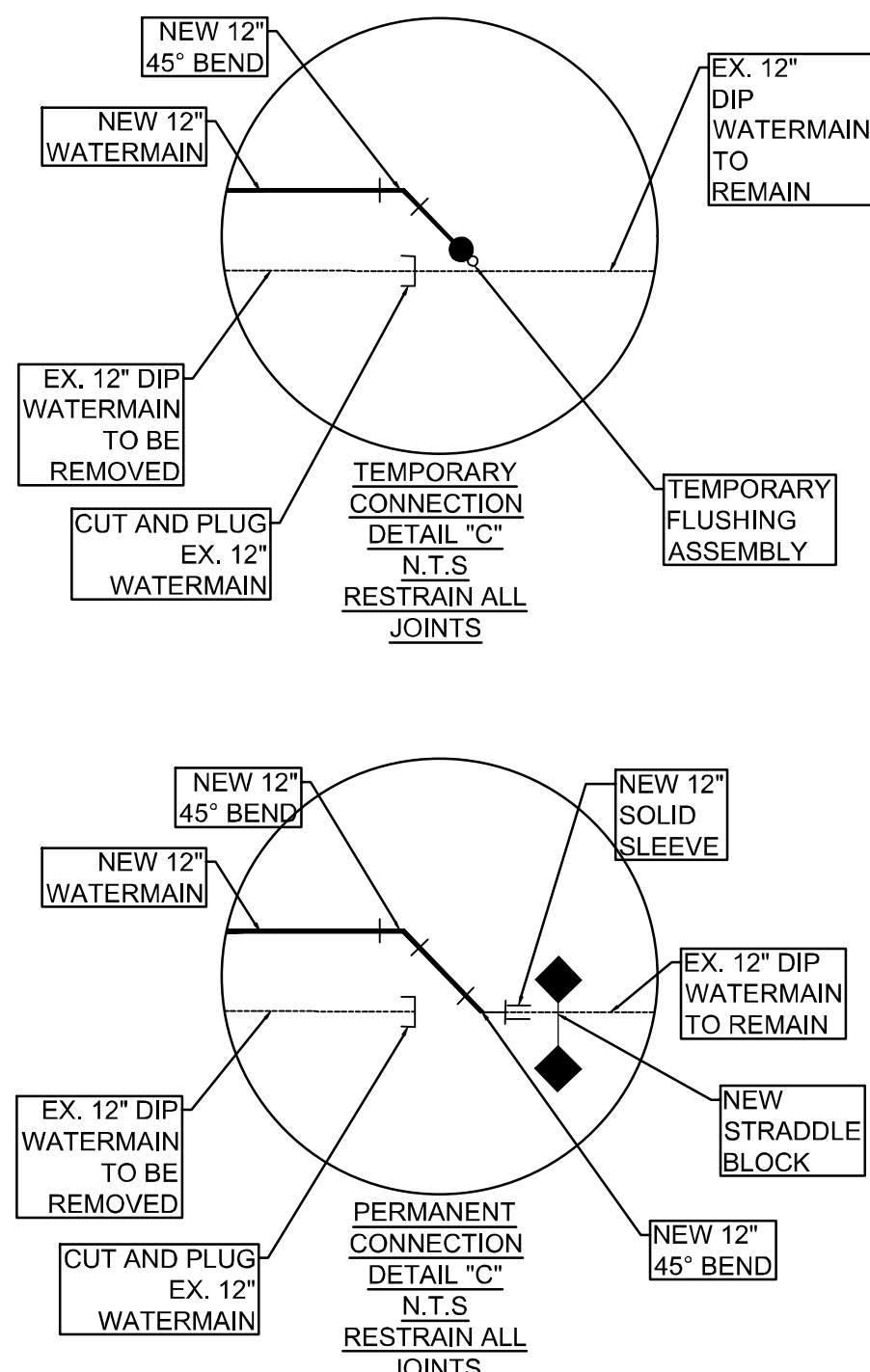
Drawing name: K:\INC - PTG\02688702 - N Oak Trfy\CAD\DWG\Water - 2688702.dwg, Sheet: 02, Jun 10, 2025, 7:50am, by: Paul Oughlin

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- SHEET NOTES:
- CONTRACTOR SHALL CONFORM TO AWWA REQUIREMENTS FOR MAXIMUM PIPE LENGTHS FOR SWAB OR SPRAY DISINFECTION.
 - CONTRACTOR SHALL POTHOLE AND VERIFY DEPTH OF EXISTING UTILITIES NOTED TO REMAIN TO ENSURE MINIMUM COVER AND CROSSING HEIGHTS ARE MET.
 - CONTRACTOR SHALL BACKFILL THE PROPOSED WATERLINE 5 FEET ON EITHER SIDE OF THE STORM DRAIN CROSSING UTILIZING FLOWABLE FILL. THE FLOWABLE FILL SHALL EXTEND TO THE BASE ELEVATION OF THE NEARBY PROPOSED CURB INLET.



STATE PLANE COORDINATE TABLE			
POINT #	COORDINATE SYSTEM	NORTHING	EASTING
5	STATE PLANE	1094137.41	2766921.69
6	STATE PLANE	1094144.21	2766915.06
7	STATE PLANE	1094251.34	2766915.64
8	STATE PLANE	1094260.44	2766924.91
9	STATE PLANE	1094400.49	2766927.50
10	STATE PLANE	1094405.53	2766922.53
11	STATE PLANE	1094424.19	2766922.67
12	STATE PLANE	1094429.15	2766927.70



WATERLINE
RELOCATIONS
SHEET 2 OF 2

NORTH OAK
TRAFFICWAY
KANSAS CITY,
MO. 64116

WSD DRAWING NO.
D-20974
KCMO PROJECT NO.
89008525
ORIGINAL ISSUE:
JUNE 10, 2025
FEDERAL PROJECT NO.
STBG-3001 (007)
SHEET NUMBER
WL-04
31 OF 171

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SCALE: AS NOTED
DESIGNED BY: KW
DRAWN BY: GAV
CHECKED BY: KW

REVISIONS
No.

DATE
BY