

OWNER

CLYDESDALE TULSA HOLDINGS, LLC  
2727 E. 21ST STREET, STE 200  
TULSA, OK 74115  
CONTACT: LOU REYNOLDS  
PHONE: 918-747-8900  
EMAIL: LREYNOLDS@ELLERDETRICH.COM

ENGINEER

Kimley»Horn

1437 SOUTH BOULDER AVE, SUITE 930  
TULSA, OK 74119  
EMAIL: DEVIN.RANDALL@KIMLEY-HORN.COM  
PHONE: 918-380-8868  
CONTACT: DEVIN RANDALL

CITY OF TULSA DETAILS

| STANDARD | DESCRIPTION                                                           |
|----------|-----------------------------------------------------------------------|
| 305      | BEDDING DETAIL FLEXIBLE PIPE                                          |
| 306      | TRENCH DETAIL CONSTRUCTION ADJACENT TO ROADWAY                        |
| 307      | BORE/OPEN CUT CONDUIT DETAIL                                          |
| 366      | STANDARD DETAIL FOR MANHOLE STEP LOCATION AND INVERT DETAILS          |
| 314      | STANDARD DETAIL MANHOLE STEPS                                         |
| 331      | STANDARD DETAIL PRE-CAST SANITARY SEWER MANHOLES                      |
| 358      | STANDARD DETAIL PRE-CAST SANITARY SEWER MANHOLES                      |
| 354      | STANDARD DETAIL FRAME AND LID FOR 4' I.D. AND LARGER SANITARY MANHOLE |
| 359      | FRAME AND COVER FOR FLOOD PLAIN APPLICATION                           |
| 351      | BEDDING DETAIL POLYVINYL CHLORIDE FLEXIBLE SANITARY SEWER PIPE        |
| 368      | STANDARD ELEVATED MANHOLE                                             |

\*CONTRACTOR SHALL PROVIDE AND MAINTAIN CONSTRUCTION AS-BUILTS AS PER COT SPEC 334. SAMPLING AND TESTING SHALL BE PER COT SPEC 335.

\*\*ALL CONSTRUCTION TO BE IN STRICT ACCORDANCE WITH CITY OF TULSA STANDARDS AND SPECIFICATIONS.

ENGINEER'S STATEMENT  
BY MY SIGNATURE ON THESE CONSTRUCTION DOCUMENTS, I HEREBY CERTIFY THAT I AM FAMILIAR WITH THE ADOPTED ORDINANCES AND REGULATIONS OF THE CITY OF TULSA GOVERNING THE ITEMS IN THE IDP DESCRIPTION; THAT THESE PLANS HAVE BEEN PREPARED UNDER MY DIRECT SUPERVISION; THE ABOVE AND FOREGOING PLANS COMPLY WITH ALL GOVERNING ORDINANCES AND THE ADOPTED STANDARDS OF THE CITY OF TULSA TO THE BEST OF MY KNOWLEDGE AND BELIEF.

ENTIRE PROJECT IS WITHIN CORPORATE LIMITS OF TULSA COUNTY. THIS PROJECT COMPLIES WITH ALL OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY(ODEQ) REQUIREMENTS.

IDP DESCRIPTION  
THIS IS A SET OF IDP PLANS FOR PROJECT CLYDESDALE LOCATED AT THE NW/4 OF N SHERIDAN RD AND E 76TH ST N IN TULSA COUNTY, OKLAHOMA. THE PROJECT WILL CONSIST OF THE FOLLOWING:  
• SANITARY SEWER LINE ABANDONMENT

OWNER'S STATEMENT  
I HEREBY CERTIFY TO THE CITY OF TULSA, THAT THE APPROVED PLANS WILL BE IMPLEMENTED UNDER THE SUPERVISION OF A REGISTERED PROFESSIONAL ENGINEER.

PROJECT CLYDESDALE  
BY: \_\_\_\_\_

TITLE: \_\_\_\_\_ DATE: \_\_\_\_\_

R.O.W. NOTE:  
BEFORE BLOCKING ANY LANE OF TRAFFIC, OR BEFORE CUTTING ANY STREET, YOU MUST FIRST COORDINATE WITH TULSA COUNTY.

FLOODPLAIN NOTE:  
A MAP BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY, FLOOD INSURANCE RATE MAP, TULSA COUNTY, OKLAHOMA AND INCORPORATED AREAS. MAP NUMBER 40143C0120L WITH A REVISED DATE OF OCTOBER 16, 2012, WHICH SHOWS THE PROPERTY DESCRIBED HEREON IS LOCATED IN ZONE AE WHICH IS CLASSIFIED AS AN AREA WITHIN THE LIMITS OF THE 0.2% ANNUAL CHANCE FLOOD AND A FEMA SPECIAL FLOOD HAZARD AREA. THE CITY OF TULSA REGULATORY FLOODPLAIN MAP ATLAS, PANEL NUMBER 120, WITH EFFECTIVE DATE OF OCTOBER 2012, AND THE PROPERTY DESCRIBED HEREON IS AFFECTED.

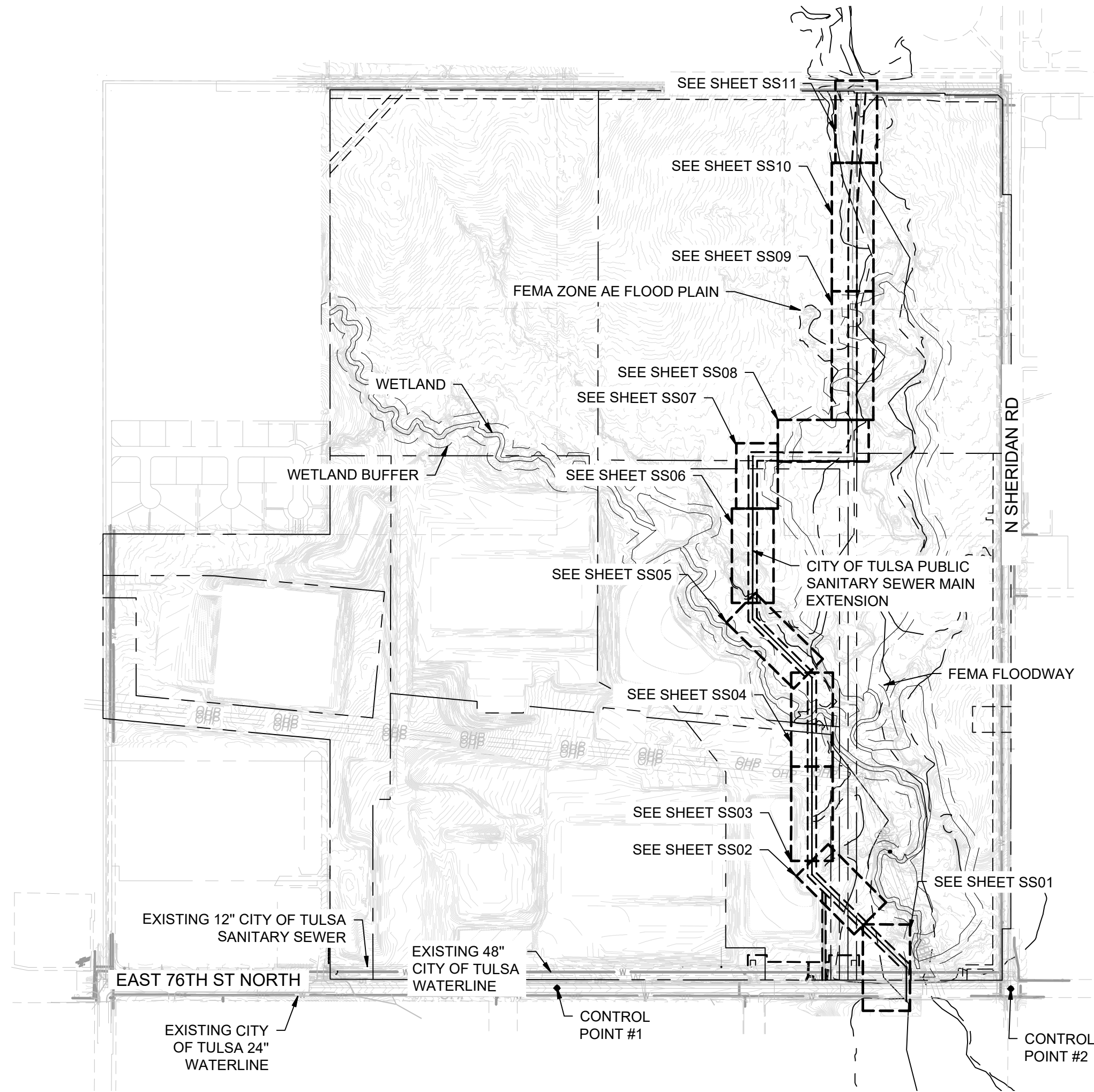
TRAFFIC NOTE:  
TRAFFIC ACCESS ON ALL STREETS SHALL BE MAINTAINED AT ALL TIME. CONTRACTOR MUST MAINTAIN PROPER CONSTRUCTION SIGNAGE AND TRAFFIC CONTROL IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

PLAT BOUNDARY NOTE:  
PROJECT CLYDESDALE FINAL PLAT WAS RECORDED WITH TULSA COUNTY ON 3/20/2026. THE DOCUMENT # FOR THE RECORDED FINAL PLAT IS 7228.

# CONSTRUCTION PLANS FOR PROJECT CLYDESDALE

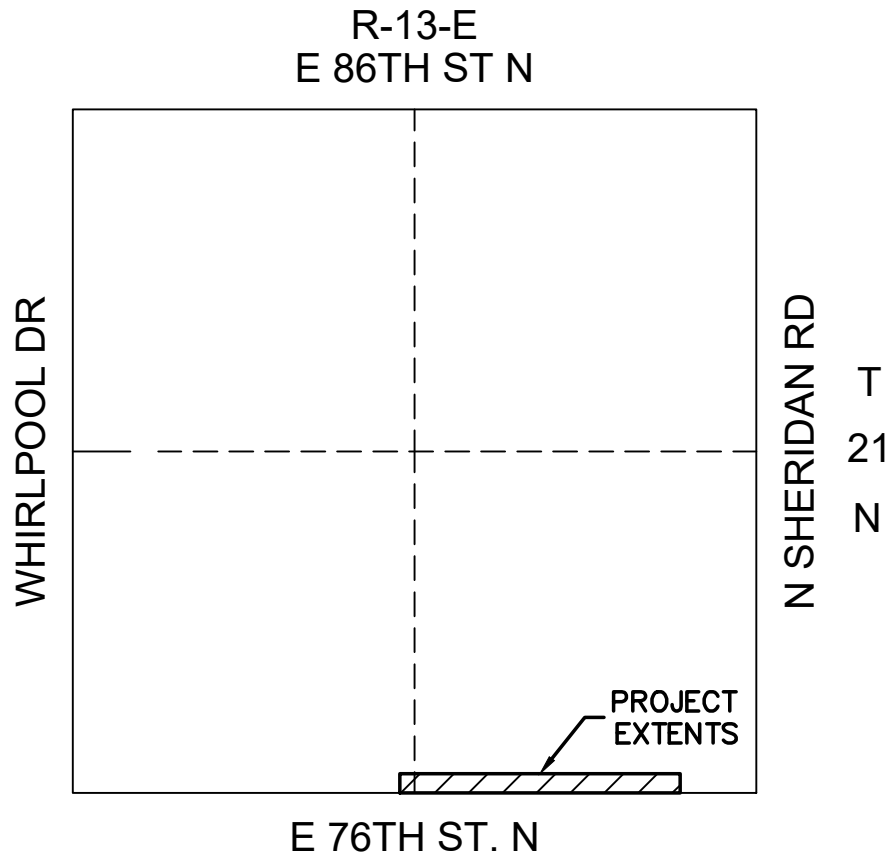
## IDP #XXXX-XXXX

### EAST 76TH STREET NORTH TULSA COUNTY, OKLAHOMA 74073



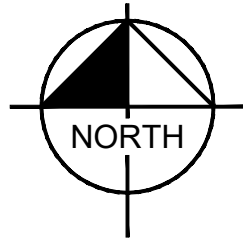
PROJECT LOCATION SECTION 27, T-21N, R-13E, TULSA COUNTY  
SUBDIVISION: UNPLATTED (91327)  
LEGAL: S/2 SEC LESS SW SW & LESS S50 THEREOF FOR RD & LESS E50 N300 S350 SE SE & LESS BEG 1322.32N SWC TH N246.67 ELY1329.29 S125.19 W1323.44 POB & W/2 NE LESS N60 THEREOF FOR RD & SE NE & SE SE NW SEC 27 21 13 397.643 ACS  
ATLAS PAGE: 1077 AND 950

MAY 2026



SECTION 27  
TULSA COUNTY

VICINITY MAP  
(NOT TO SCALE)



| ITEMIZED IDP DESCRIPTION |                  |      |          |
|--------------------------|------------------|------|----------|
| SPEC. NO.                | ITEM DESCRIPTION | UNIT | QUANTITY |
| COT 368                  | 6' I.D. MANHOLE  | EA   | 11       |
| COT 313                  | 24" PVC SDR-26   | LF   | 3554     |

| SHEET LIST TABLE |                                              |
|------------------|----------------------------------------------|
| SHEET NUMBER     | SHEET TITLE                                  |
| GE01             | COVER SHEET                                  |
| GE02             | SANITARY SEWER IMPROVEMENT DISTRICT- OVERALL |
| GE03             | PRE-PROJECT DRAINAGE AREA MAP                |
| SS01             | SSWR-IDP-EXTENSION PLAN AND PROFILE          |
| SS02             | SSWR-IDP-EXTENSION PLAN AND PROFILE          |
| SS03             | SSWR-IDP-EXTENSION PLAN AND PROFILE          |
| SS04             | SSWR-IDP-EXTENSION PLAN AND PROFILE          |
| SS05             | SSWR-IDP-EXTENSION PLAN AND PROFILE          |
| SS06             | SSWR-IDP-EXTENSION PLAN AND PROFILE          |
| SS07             | SSWR-IDP-EXTENSION PLAN AND PROFILE          |
| SS08             | SSWR-IDP-EXTENSION PLAN AND PROFILE          |
| SS09             | SSWR-IDP-EXTENSION PLAN AND PROFILE          |
| SS10             | SSWR-IDP-EXTENSION PLAN AND PROFILE          |
| SS11             | SSWR-IDP-EXTENSION PLAN AND PROFILE          |
| SS12             | SSWR-IDP TABLE OF STATE PLANE COORDINATES    |

|                                                                                         |
|-----------------------------------------------------------------------------------------|
| DATUM<br>HORIZONTAL<br>NAD 83 OKLAHOMA STATE PLANE<br>COORDINATE SYSTEM NORTH ZONE 3501 |
| VERTICAL<br>NAVD 88                                                                     |

| CONTROL POINT #1 |                               | CONTROL POINT #2 |                               |
|------------------|-------------------------------|------------------|-------------------------------|
| ELEVATION        | 683.38 (NAVD 1988)            | ELEVATION        | 617.62 (NAVD 1988)            |
| MONUMENT         | 3/4" REBAR                    | MONUMENT         | MAGNAIL                       |
| LOCATION         | N: 466707.64<br>E: 2581682.53 | LOCATION         | N: 466816.88<br>E: 2580975.73 |



Know what's below.  
Call before you dig.

| UTILITY COORDINATION BOX           |              |                    |
|------------------------------------|--------------|--------------------|
| TITLE                              | NUMBER       | CONTACT            |
| UTILITY COORDINATION SUPERVISOR    | 918-596-2578 | GARY MCLENDON      |
| INFRASTRUCTURE DEVELOPMENT MANAGER | 918-596-7285 | MICHAEL LING, P.E. |

APPROVED FOR IDP PERMIT ONLY

Michael Ling, PE  
Infrastructure Development Manager  
City of Tulsa

Date \_\_\_\_\_

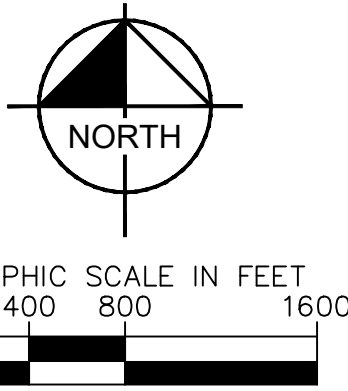
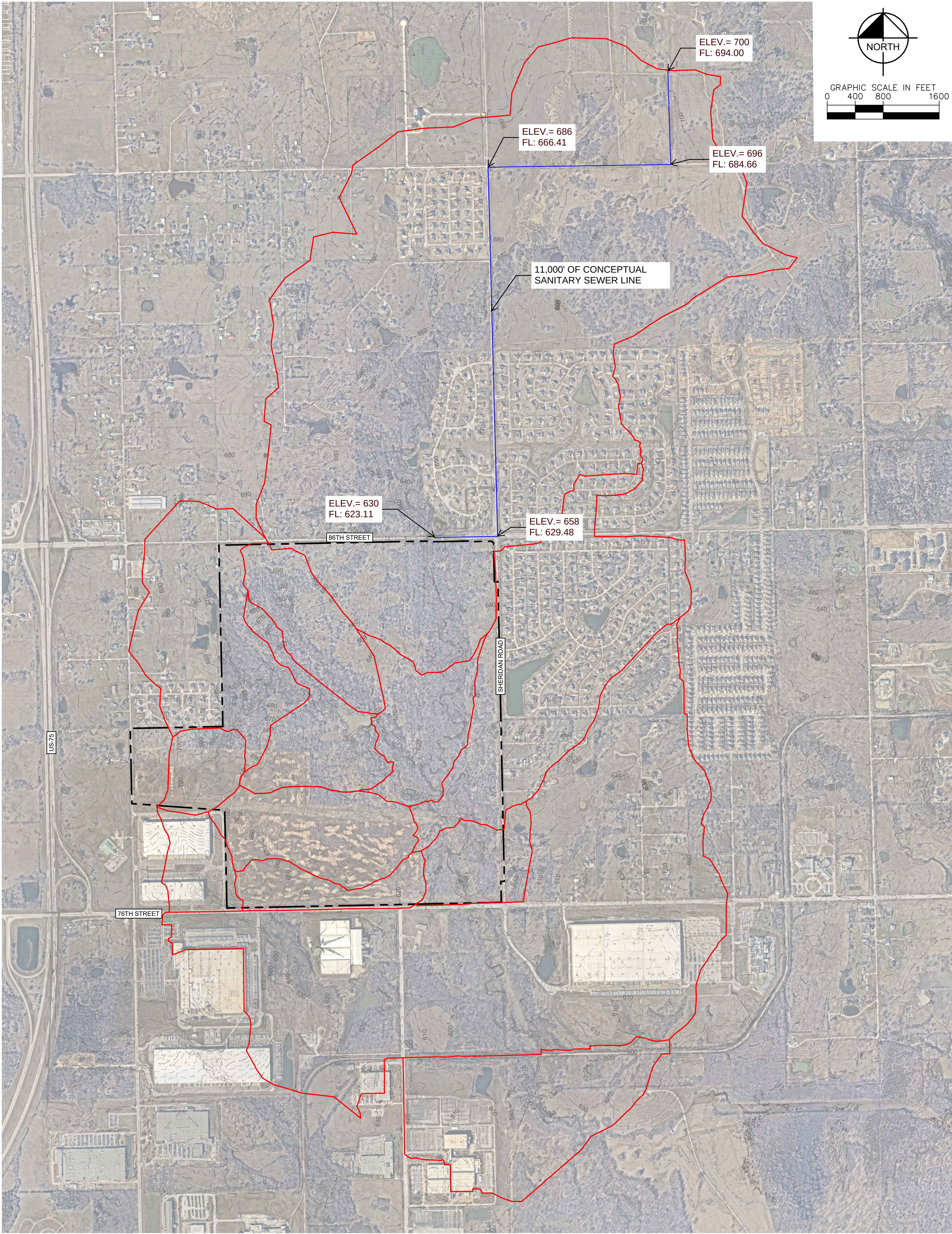
GE01







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Legend

Property Boundary

Pre-Project Drainage Area

2-FT Existing Topography

Image Source: NearMap (February 2025)

ORDINANCE FLOW EQUATION

$$Q_m = A^{0.8169} \times 0.01467$$

| DRAINAGE AREA CALCULATIONS |           |          |
|----------------------------|-----------|----------|
| DA                         | AREA (AC) | Qm (MGD) |
| DRAINAGE AREA              | 2262.32   | 8.07     |

MAXIMUM ELEVATION AT OUR SITE:  
697'-(11,000\*.006)+(25\*0.1)= 617.5'  
\*ASSUMING 3' COVER OF STARTING  
ELEVATION OF 700'  
\*ASSUMING 0.7% SLOPE  
\*ASSUMING 25 MANHOLES WITH 0.1 DROP  
PROPOSED ELEVATION LEAVING OUR  
SITE IS 614'

PROJECT  
CLYDESDALE

PRE-PROJECT  
DRAINAGE AREA MAP

KHA PROJECT  
CLYDESDALE

DATE  
APRIL 2026

SCALE: AS SHOWN

DRAWN BY: DB

CHECKED BY: DR

DESIGNED BY: DR

DATE  
APRIL 2026

PROJECT  
CLYDESDALE

THIS DOCUMENT IS  
PRELIMINARY IN NATURE AND  
IS NOT A FINAL SIGNED AND  
SEALED DOCUMENT

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WWW.KIMLEY-HORN.COM

REVISIONS

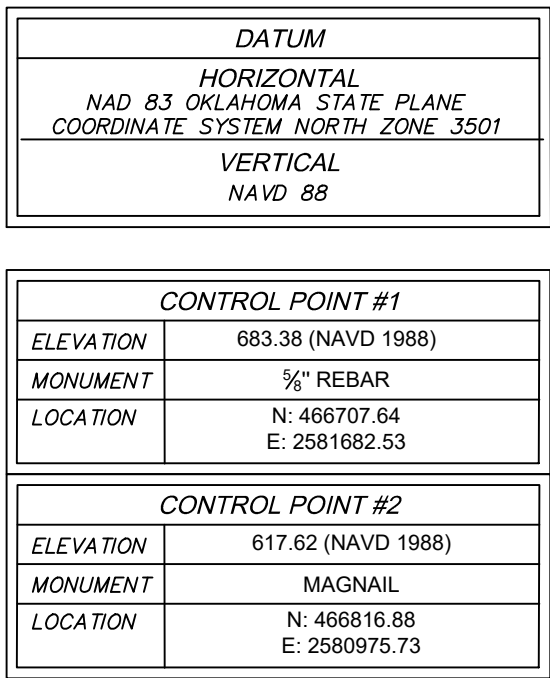
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SHEET NUMBER  
GE03





ALL WATER AND WASTEWATER MATERIALS AND CONSTRUCTION SHALL COMPLY WITH CITY STANDARD CONSTRUCTION DETAILS AND SPECIFICATIONS.

2. CONTRACTOR SHALL FIELD VERIFY THE SIZE, CONDITION, HORIZONTAL, AND VERTICAL LOCATIONS OF ALL EXISTING WATER AND WASTEWATER FACILITIES THAT ARE TO BE CONNECTED TO, PRIOR TO START OF CONSTRUCTION OF ANY WATER OR WASTEWATER CONSTRUCTION, AND SHALL NOTIFY THE ENGINEER OF ANY CONFLICTS DISCOVERED.

3. CONTRACTOR SHALL VERIFY AND COORDINATE ALL DIMENSIONS SHOWN, INCLUDING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITY SERVICES ENTERING THE BUILDING.

4. THE CONTRACTOR SHALL FIELD VERIFY THE ELEVATION OF ALL UTILITY CROSSINGS PRIOR TO THE INSTALLATION OF ANY PIPE.

5. CONTRACTOR SHALL POTHOLE ALL UTILITY CROSSINGS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH UTILITY OWNERS.

6. THE SITE UTILITY CONTRACTOR SHALL PROVIDE ALL MATERIALS AND APPURTENANCES NECESSARY FOR COMPLETE INSTALLATION OF THE WATER AND WASTEWATER IMPROVEMENTS.

7. ALL PUBLIC WATER AND WASTEWATER CONSTRUCTION, PIPE, STRUCTURES, AND FITTINGS SHALL ADHERE TO CITY PUBLIC WORKS STANDARD DETAILS AND SPECIFICATIONS. CONTRACTOR SHALL ARRANGE FOR REQUIRED CITY INSPECTIONS.

8. ALL PRIVATE WATER AND WASTEWATER CONSTRUCTION, PIPE, STRUCTURES, AND FITTINGS SHALL ADHERE TO THE APPLICABLE PLUMBING CODE. CONTRACTOR SHALL ARRANGE FOR REQUIRED CITY INSPECTIONS.

9. EMBEDMENT FOR ALL WATER AND WASTEWATER LINES, PUBLIC OR PRIVATE, SHALL BE PER CITY STANDARD DETAILS.

10. CONTRACTOR SHALL TAKE REQUIRED SANITARY PRECAUTIONS, FOLLOWING ANY CITY, ODEQ, AND AWWA STANDARDS, TO KEEP WATER PIPE AND FITTINGS CLEAN AND CAPPED AT TIMES WHEN INSTALLATION IS NOT IN PROGRESS.

11. CONTRACTOR SHALL PROVIDE CONSTRUCTION SURVEYING FOR ALL WATER AND WASTEWATER LINES.

12. ALL WATER AND WASTEWATER SERVICES SHALL TERMINATE 5-FEET OUTSIDE THE BUILDING, UNLESS NOTED OTHERWISE.

13. CONTRACTOR SHALL COMPLY WITH CITY REQUIREMENTS FOR WATER AND WASTEWATER SERVICE DISRUPTIONS AND THE AMOUNT OF PRIOR NOTICE THAT IS REQUIRED, AND SHALL COORDINATE DIRECTLY WITH THE APPROPRIATE CITY DEPARTMENT.

14. CONTRACTOR SHALL SEQUENCE WATER AND WASTEWATER CONSTRUCTION TO AVOID INTERRUPTION OF SERVICE TO SURROUNDING PROPERTIES.

15. CONTRACTOR SHALL MAINTAIN WATER SERVICE AND WASTEWATER SERVICE TO ALL CUSTOMERS THROUGHOUT CONSTRUCTION WITH THE EXCEPTION OF THE CITY OF TULSA 24" AND 48" WATERLINES. CONTRACTOR SHALL COORDINATE WITH CITY OF TULSA PRIOR TO INTERRUPTING WATER SERVICE FOR THESE CONNECTIONS (IF NECESSARY, BY USE OF TEMPORARY METHODS APPROVED BY THE CITY AND OWNER). THIS WORK SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.

16. THE CONTRACTOR IS RESPONSIBLE TO PROTECT ALL WATER AND WASTEWATER LINES CROSSING THE PROJECT. THE CONTRACTOR SHALL REPAIR ALL DAMAGED LINES IMMEDIATELY. ALL REPAIRS OF EXISTING WATER MAINS, WATER SERVICES, SEWER MAINS, AND SANITARY SEWER SERVICES ARE SUBJECT TO THIS WORK, AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.

17. IF ANY ACTIVE EXISTING SERVICE LINES ARE CUT OFF BY REMOVAL OF SANITARY SEWER LINE AND MANHOLE, THEN THEY MUST BE RECONNECTED TO THE MAIN FOR SERVICE AT THE DEVELOPER'S EXPENSE.

18. VALVE ADJUSTMENTS SHALL BE CONSTRUCTED SUCH THAT THE COVERS ARE AT FINISHED SURFACE GRADE OF THE PROPOSED PAVEMENT.

19. THE ENDS OF ALL EXISTING WATER MAINS THAT ARE CUT, BUT NOT REMOVED, SHALL BE PLUGGED AND ABANDONED IN PLACE. THIS WORK SHALL BE CONSIDERED AS A SUBSIDIARY COST TO THE PROJECT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.

20. CONTRACTOR SHALL INSTALL A FULL SEGMENT OF WATER OR WASTEWATER PIPE CENTRAL AT ALL UTILITY CROSSINGS SO THAT THE JOINTS ARE GREATER THAN 9-FEET FROM THE CROSSING, WHERE POSSIBLE.

21. ALL CROSSING AND LOCATIONS WHERE WATER IS LESS THAN 10-FEET FROM WASTEWATER, WATER CONSTRUCTION AND MATERIALS SHALL COMPLY WITH ODEQ CHAPTER 626.

22. ALL WATER AND WASTEWATER SHALL BE TESTED IN ACCORDANCE WITH THE CITY, AWWA, AND ODEQ STANDARDS AND SPECIFICATIONS.

23. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND SUBMITTING A TRENCH SAFETY PLAN, PREPARED BY A PROFESSIONAL ENGINEER IN THE STATE OF OKLAHOMA, TO THE CITY PRIOR TO CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING TRENCH SAFETY REQUIREMENTS IN ACCORDANCE WITH CITY, STATE, AND FEDERAL REQUIREMENTS, INCLUDING OSHA FOR ALL TRENCHES. NO OPEN TRENCHES SHALL BE ALLOWED OVERNIGHT WITHOUT PRIOR WRITTEN APPROVAL OF THE CITY.

24. CONTRACT PLAN SHALL SUBMIT PROFESSIONAL ENGINEERED TRENCH EXCAVATION PLAN FOR ALL EXCAVATIONS IN EXCESS OF 20 FEET.

25. THE CONTRACTOR SHALL KEEP TRENCHES FREE FROM WATER.

26. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF ALL EROSION CONTROL DEVICES DAMAGED DUE TO CONSTRUCTION.

27. CONTRACTOR WILL BE REQUIRED TO VACUUM TEST ALL MANHOLES ACCORDING TO CURRENT CITY OF TULSA STANDARDS AND SPECIFICATIONS. EXISTING MANHOLES SHALL BE VACUUM TESTED PRIOR TO ANY MODIFICATIONS AND AFTER WORK IS COMPLETE.

28. SEWERS AND MANHOLES TO BE ABANDONED SHALL BE SECURELY BLOCKED AT ANY POINTS OF INTAKE OR DISCHARGE WITH A BULKHEAD OR PREFORMED PLUG AND SHALL BE COMPLETELY FILLED WITH CLEAN SAND, CELLULAR CONCRETE OR FLOWABLE FILL.

29. FRAMES AND COVERS FROM ANY STRUCTURES SCHEDULED FOR ABANDONMENT SHALL BE RETURNED TO THE CITY SEWER AND OPERATIONS MAINTENANCE AT \$319 E 42ND STREET NORTH BETWEEN 7:30 AM AND 3:00 PM MONDAY THRU FRIDAY. AT A MINIMUM ALL STRUCTURES SHALL BE COMPLETELY REMOVED TO A POINT THREE (3) FEET BELOW THE FINAL GRADE, OR THE DEPTH NOTED ON THE DRAWINGS, AND/OR FLOWABLE FILL SHALL BE USED TO FILL THE STRUCTURE.

30. THE DEVELOPER SHALL MAKE ANY NEEDED MODIFICATIONS TO EXISTING MANHOLE IN ORDER TO COMPLY WITH CURRENT CITY OF TULSA STANDARDS OR MAINTENANCE REQUIREMENTS. THE DEVELOPER SHALL BE RESPONSIBLE FOR COST ASSOCIATED WITH INTERNAL INSPECTION, REHAB PLAN PREPARATION AND CONSTRUCTION.

31. SERVICE TEES SHALL BE CONSTRUCTED AS PART OF IDP. SERVICE CONNECTION TO BUILDINGS SHALL BE DONE SEPARATELY AS A SEWER TAP PERMIT.

32. BACKFLOW PREVENTER MUST BE INSTALLED IF BUILDING SITE IS BELOW THE UPSTREAM/DOWNSTREAM MANHOLE RIM+ 1'

33. CONCRETE MANHOLES, ASSOCIATED WITH MAINS 15" ID AND LARGER, TO BE DESIGNED WITH INTERIOR EPOXY COATING OR FIBERGLASS WITH NO COATING.

34. MANHOLE LID SHOULD BE 3200 SERIES COMPOSITE UTILITY ACCESS COVER WITH QUARTER TURN PADDLE LOCKS MANUFACTURED BY EAST JORDAN PER CITY STANDARDS FOR MANHOLES IN FLOODPLAIN.

35. ALL MANHOLES MUST HAVE 30" LIDS AND COVERS AND NO STEPS.

36. WATER AND SANITARY SEWER SEPARATION (OUTSIDE TO OUTSIDE OF PIPES) TO BE MINIMUM TWO (2) FEET VERTICAL & TEN (10) FEET HORIZONTAL PER ODEQ REGULATIONS. WHEN WATER AND SEWER SEPARATION CANNOT BE MAINTAINED, THE SANITARY SEWER SHALL BE DESIGNED AND CONSTRUCTED EQUAL TO WATER PIPE. SANITARY SEWER MUST BE INSTALLED AND TESTED FOR PRESSURE AND LEAKAGE IN ACCORDANCE WITH COT STANDARD SPECIFICATION PART 203 AND ODEQ STANDARD 252-626-19-2(e).

37. RIPRAP DESIGN AND INSTALLATION SHALL COMPLY WITH THE MORE STRINGENT OF THE FOLLOWING: (1) DOT STANDARD SPECIFICATIONS ADOPTED BY THE CITY OF TULSA; (2) CURRENT CITY OF TULSA STORMWATER MANAGEMENT CRITERIA MANUAL.



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

APPROVED FOR IDP PERMIT ONLY

Michael Ljung, PE Date  
Infrastructure Development Manager



**Know what's below.  
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\_\_\_\_\_  
Date

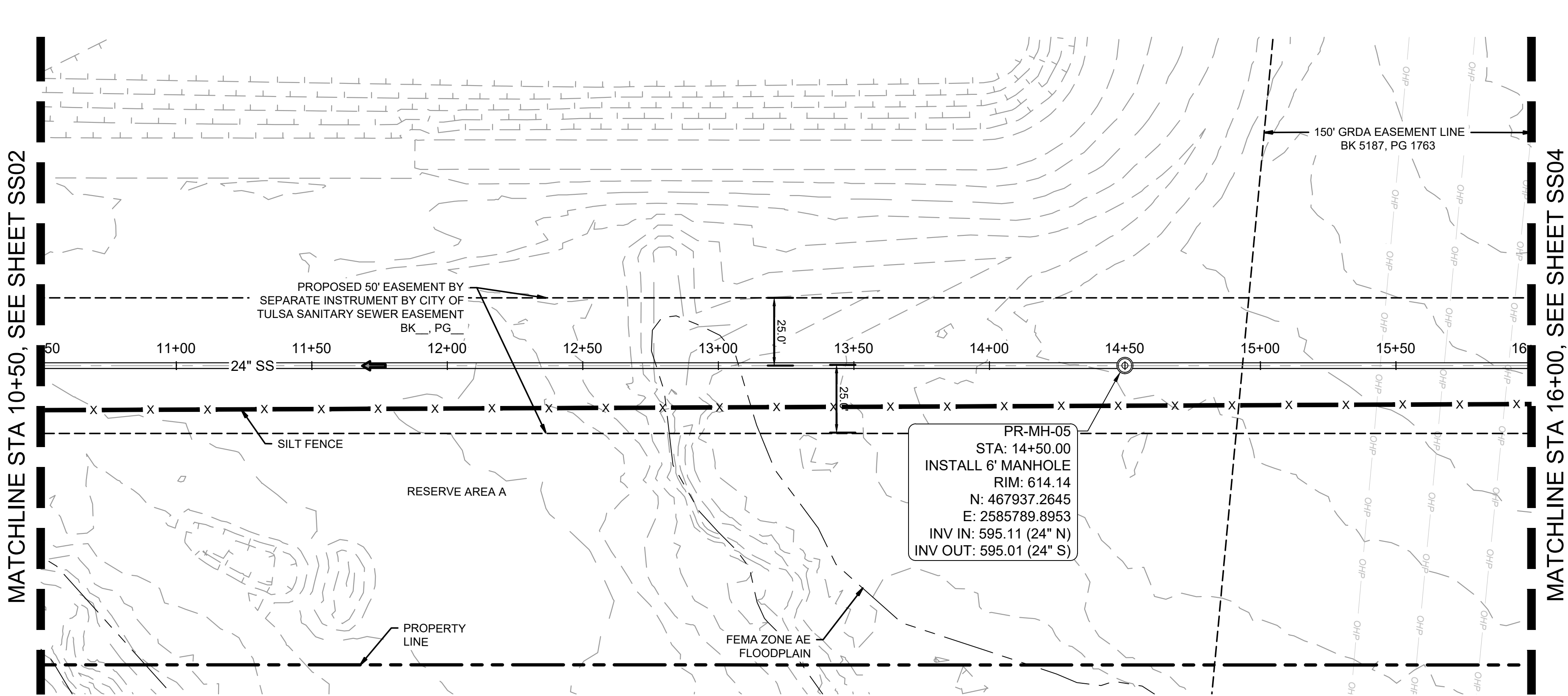
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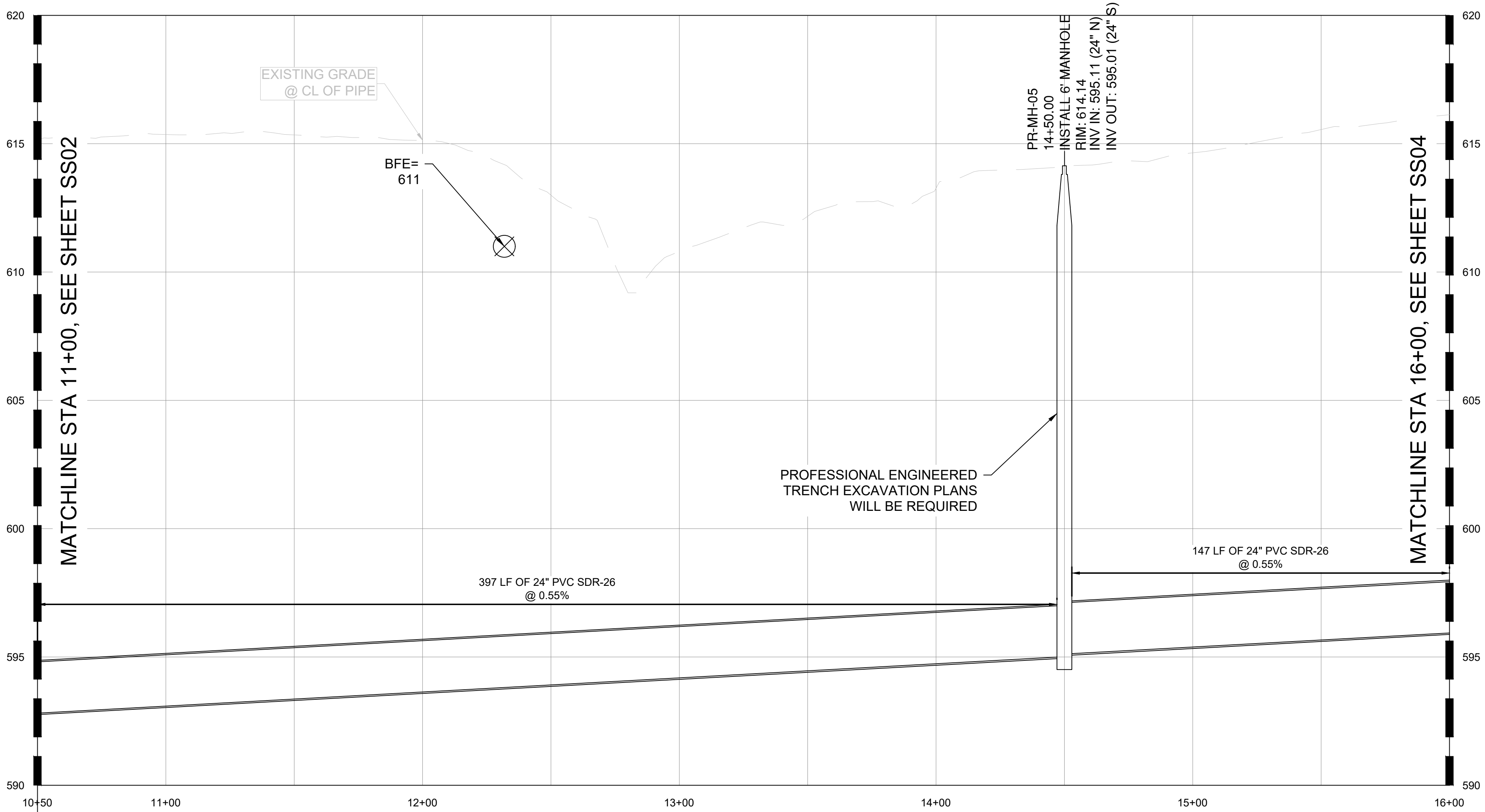


Plotted By:Blackman, Doniale Date:May 19, 2026 06:03:13pm File Path:C:\ACC\ACCDocs\Kimley-Horn\060057900\_CVL\Project Files\00\_Civil\SPS\07\_City of Tulsa IDP\03\_Production-DWG\SSCYL-1A-IDP - EXTENSION.dwg  
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SSWR-IDP-EXTENSION  
PLAN

SSWR-IDP-EXTENSION  
PROFILE



SANITARY SEWER NOTES:

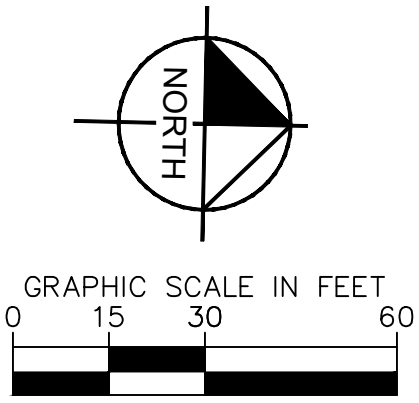
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- CONTRACTOR SHALL INSTALL A FULL SEGMENT OF WATER OR WASTEWATER PIPE CENTERED AT ALL UTILITY CROSSINGS SO THAT THE JOINTS ARE GREATER THAN 9-FEET FROM THE CROSSING, WHERE POSSIBLE.
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APPROVED FOR IDP PERMIT ONLY

Michael Ling, PE  
Infrastructure Development Manager  
City of Tulsa

Date \_\_\_\_\_



| DATUM                             |  |
|-----------------------------------|--|
| HORIZONTAL                        |  |
| NAD 83 OKLAHOMA STATE PLANE       |  |
| COORDINATE SYSTEM NORTH ZONE 3501 |  |
| VERTICAL                          |  |
| NAVD 88                           |  |

| CONTROL POINT #1 |                               |
|------------------|-------------------------------|
| ELEVATION        | 683.38 (NAVD 1988)            |
| MONUMENT         | 5/8" REBAR                    |
| LOCATION         | N: 466707.64<br>E: 2581682.53 |

| CONTROL POINT #2 |                               |
|------------------|-------------------------------|
| ELEVATION        | 617.62 (NAVD 1988)            |
| MONUMENT         | MAGNAIL                       |
| LOCATION         | N: 466816.88<br>E: 2580975.73 |

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Kimley-Horn  
Engineer \_\_\_\_\_  
P.E. No. \_\_\_\_\_

|             |            |
|-------------|------------|
| KHA PROJECT | CLYDESDALE |
| DATE        | APRIL 2026 |
| SCALE       | AS SHOWN   |
| DESIGNED BY | DR         |
| DRAWN BY    | DB         |
| CHECKED BY  | DR         |

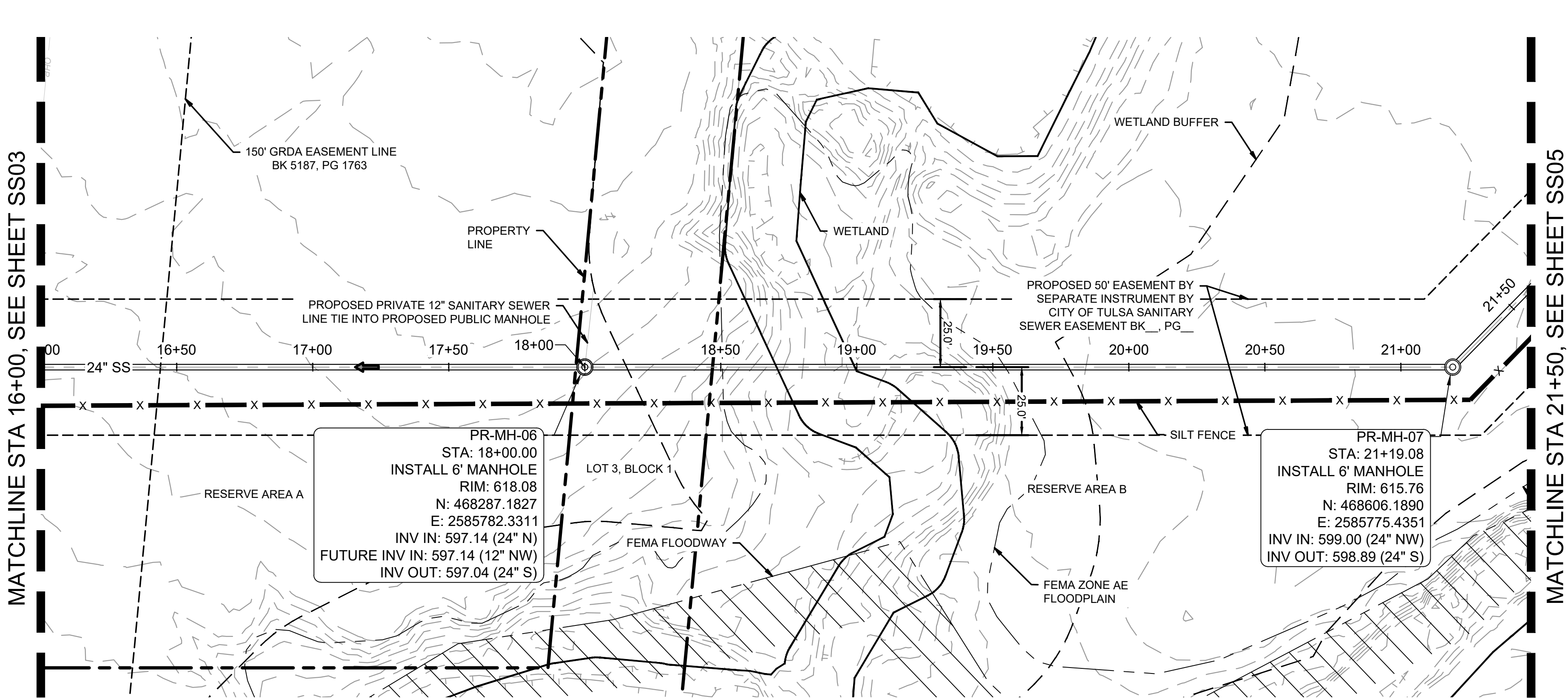
PROJECT  
CLYDESDALE

SSWR-IDP-EXTENSION  
10+50 TO 16+00  
PLAN & PROFILE

SHEET NUMBER  
SS03

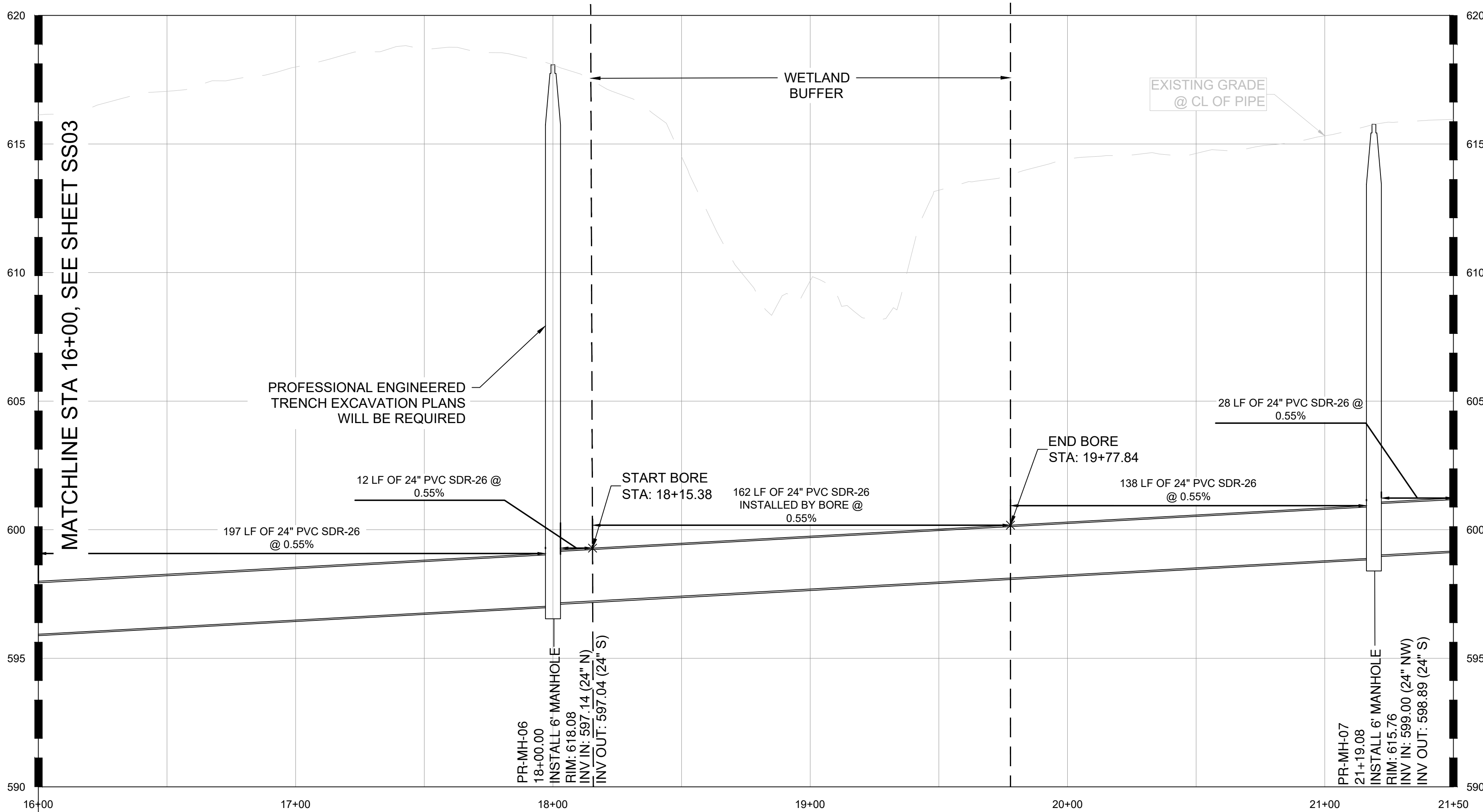


Plotted By:Blackmon, Donaliele Date:May 19, 2026 06:03:16pm File Path:C:\ACC\ACCDocs\Kimley-Horn\060057900\_CVL\Project Files\000\_CVL\SPS\07\_City of Tulsa IDP\03\_Production-DWG\SSW-1A-IDP - EXTENSION.dwg  
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SSWR-IDP-EXTENSION  
PLAN

SSWR-IDP-EXTENSION  
PROFILE



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Michael Ling, PE  
Infrastructure Development Manager  
City of Tulsa

| DATUM                             |  |
|-----------------------------------|--|
| HORIZONTAL                        |  |
| NAD 83 OKLAHOMA STATE PLANE       |  |
| COORDINATE SYSTEM NORTH ZONE 3501 |  |
| VERTICAL                          |  |
| NAVD 88                           |  |

| CONTROL POINT #1 |                               |
|------------------|-------------------------------|
| ELEVATION        | 683.38 (NAVD 1988)            |
| MONUMENT         | 5/8" REBAR                    |
| LOCATION         | N: 466707.64<br>E: 2581682.53 |

| CONTROL POINT #2 |                               |
|------------------|-------------------------------|
| ELEVATION        | 617.62 (NAVD 1988)            |
| MONUMENT         | MAGNAIL                       |
| LOCATION         | N: 466816.88<br>E: 2580975.73 |

LEGEND:

PROPOSED ACCESS EASEMENT

| REVISIONS |  | DATE | BY |
|-----------|--|------|----|
| No.       |  |      |    |

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**Kimley»Horn**  
Engineer: \_\_\_\_\_  
P.E. No. \_\_\_\_\_

| KHA PROJECT | CLYDESDALE |
|-------------|------------|
| DATE        | APRIL 2026 |
| SCALE       | AS SHOWN   |
| DESIGNED BY | DR         |
| DRAWN BY    | DB         |
| CHECKED BY  | DR         |

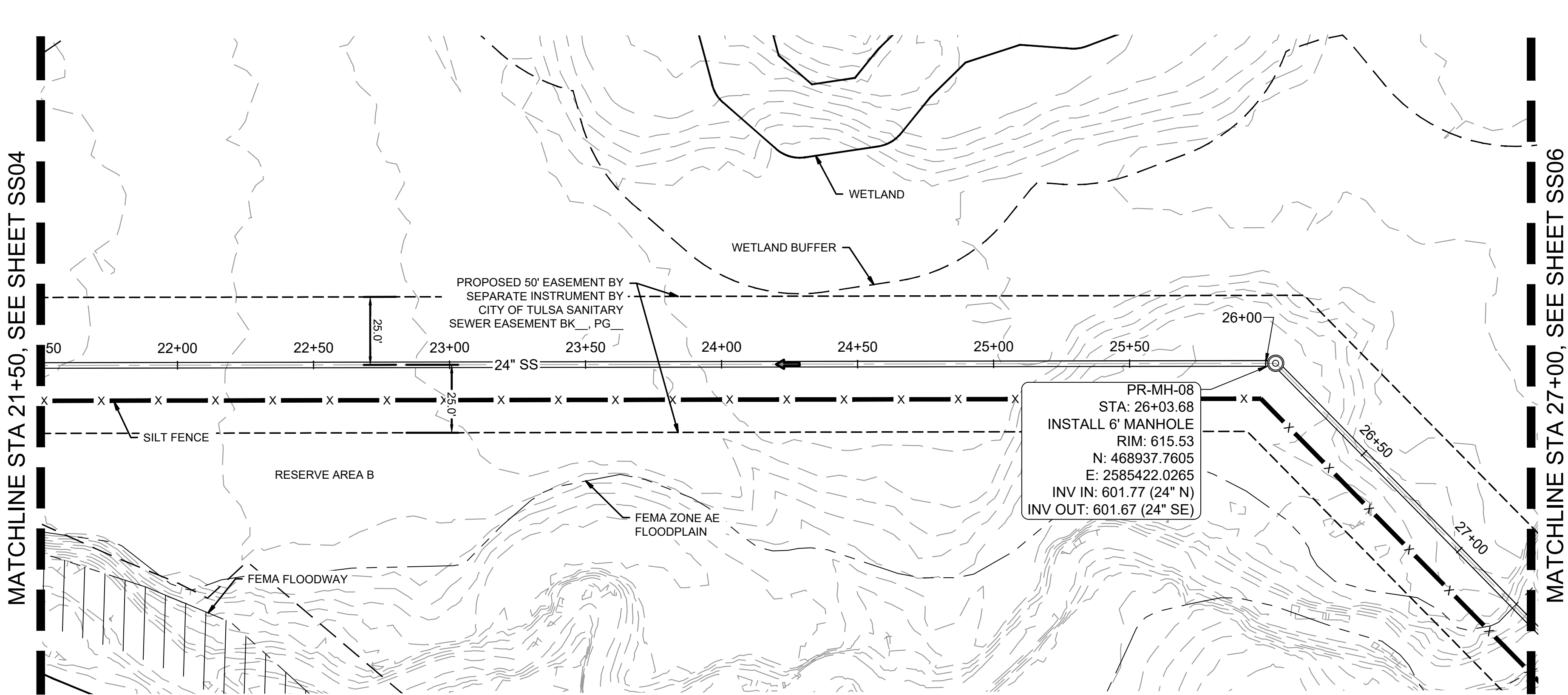
**PROJECT**  
**CLYDESDALE**

**SSWR-IDP-EXTENSION**  
**16+00 TO 21+50**  
**PLAN & PROFILE**

SHEET NUMBER  
**SS04**

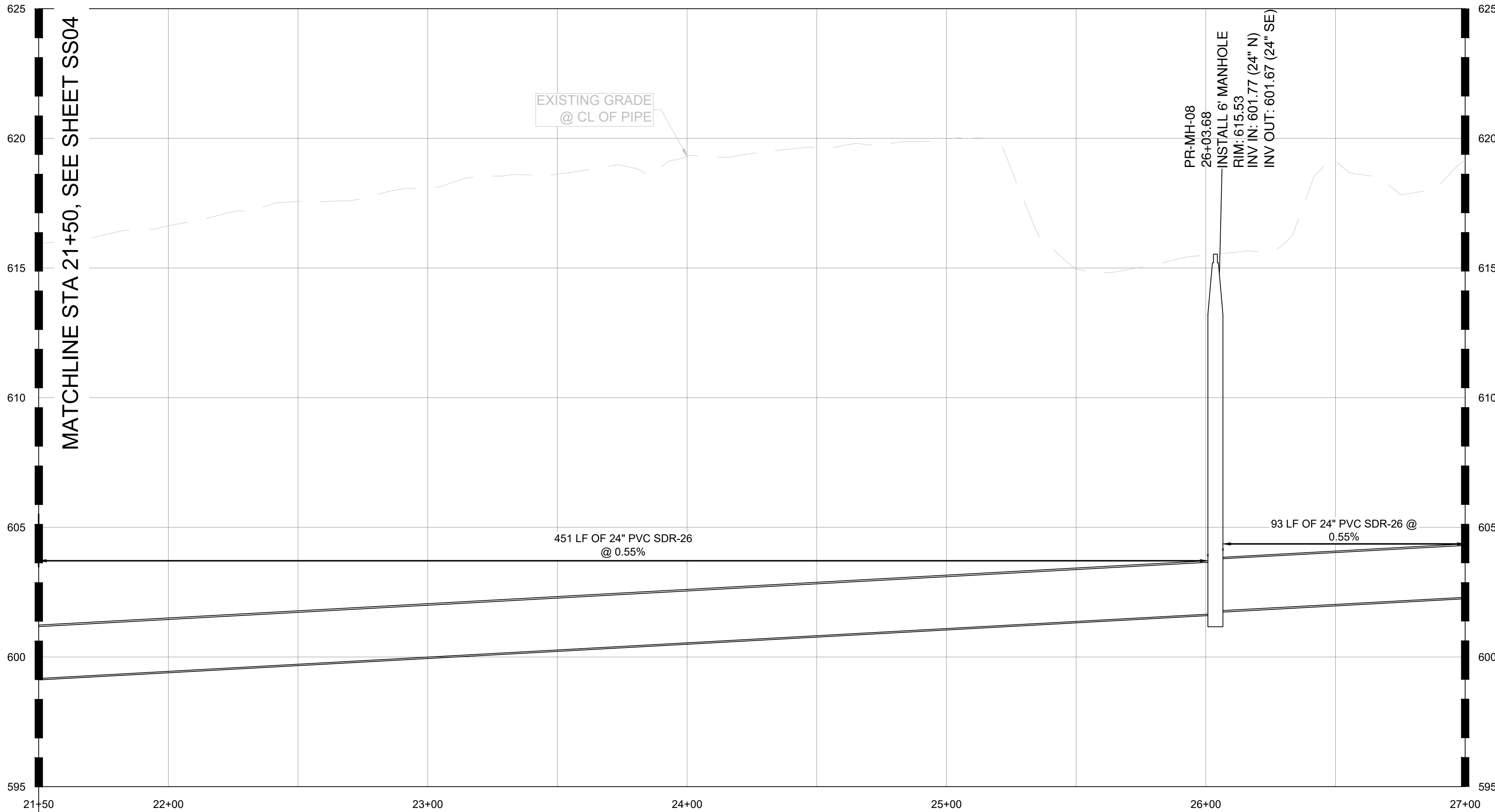


Plotted By:Blackman, Danielle Date:May 19, 2026 06:03:21pm File Path:C:\ACC\ACCDocs\Kimley-Horn\060057900\_CVL\Project Files\000\_Civil\SPS\07\_City of Tulsa IDP\03\_Production-DWG\SSCYL-1A-IDP - EXTENSION.dwg  
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SSWR-IDP-EXTENSION  
PLAN

SSWR-IDP-EXTENSION  
PROFILE



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| DATUM                             |  |
|-----------------------------------|--|
| HORIZONTAL                        |  |
| NAD 83 OKLAHOMA STATE PLANE       |  |
| COORDINATE SYSTEM NORTH ZONE 3501 |  |
| VERTICAL                          |  |
| NAVD 88                           |  |

| CONTROL POINT #1 |                               |
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| ELEVATION        | 683.38 (NAVD 1988)            |
| MONUMENT         | ¾" REBAR                      |
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| LEGEND:                  |       |
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| No. | REVISIONS | DATE | BY |
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| Engineer                                                                              | _____ |
| P.E. No.                                                                              | _____ |

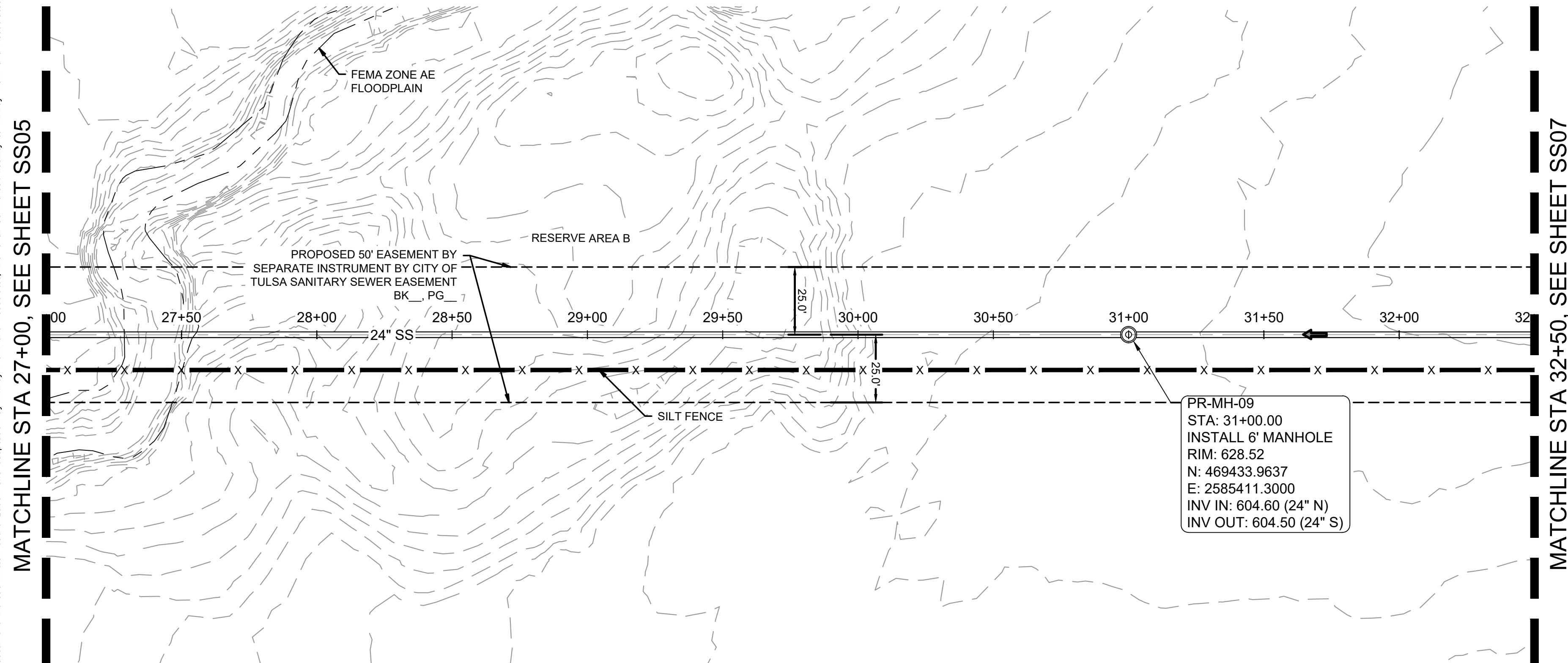
| KHA PROJECT  | CLYDESDALE |
|--------------|------------|
| DATE         | APRIL 2026 |
| SCALE:       | AS SHOWN   |
| DESIGNED BY: | DR         |
| DRAWN BY:    | DB         |
| CHECKED BY:  | DR         |

PROJECT  
CLYDESDALE

SSWR-IDP-EXTENSION  
21+50 TO 27+00  
PLAN & PROFILE

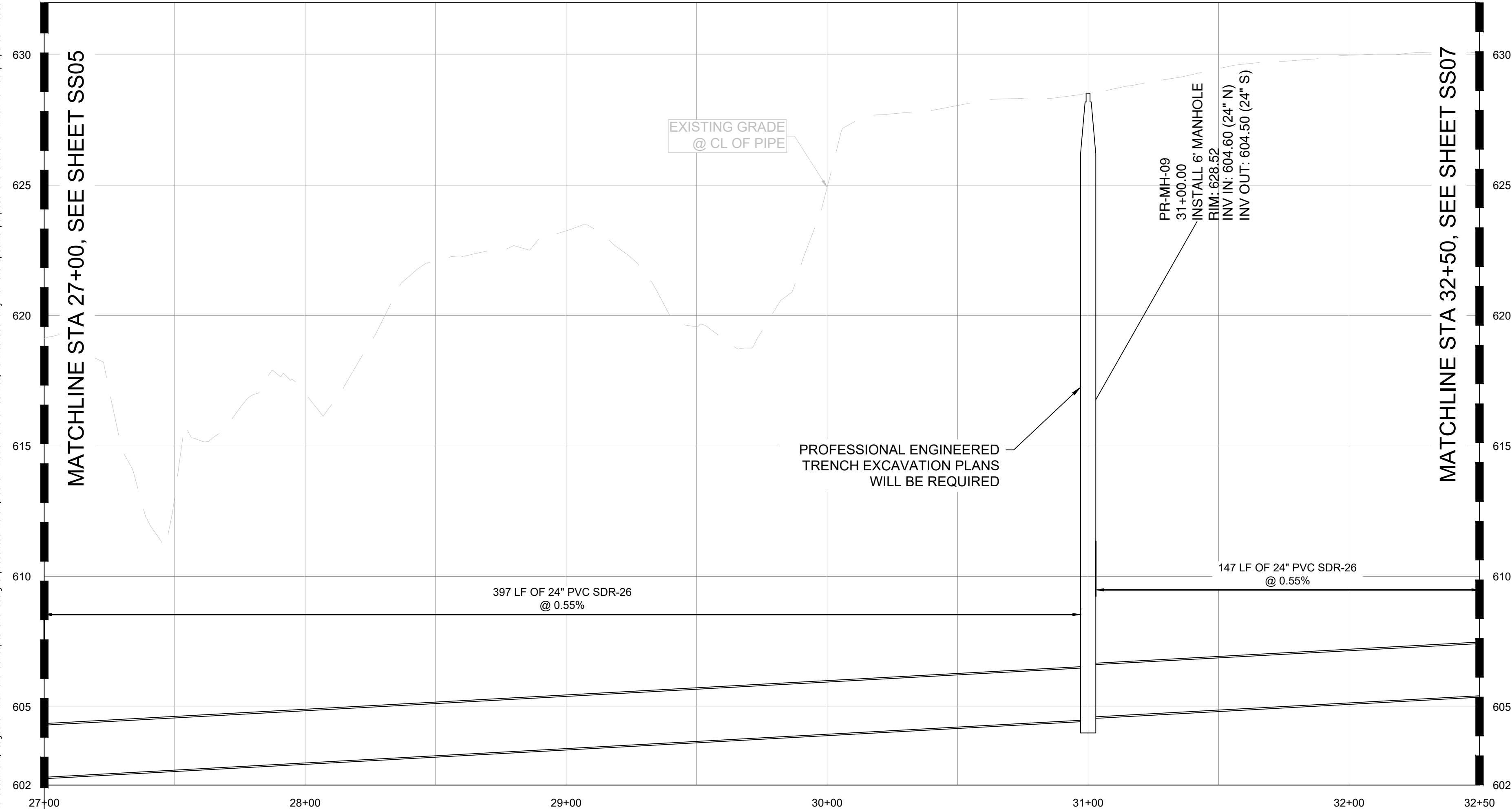
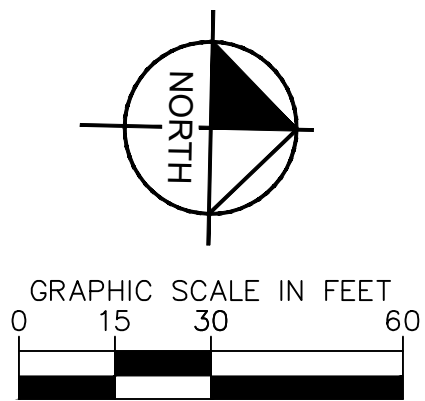
SHEET NUMBER  
**SS05**





## SSWR-IDP-EXTENSION

### PLAN

SSWR-IDP-EXTENSION  
27+00 TO 32+50  
PLAN & PROFILE

|                                                                                |
|--------------------------------------------------------------------------------|
| DATUM                                                                          |
| HORIZONTAL<br>NAD 83 OKLAHOMA STATE PLANE<br>COORDINATE SYSTEM NORTH ZONE 3501 |
| VERTICAL<br>NAVD 88                                                            |

| CONTROL POINT #1 |                               |
|------------------|-------------------------------|
| ELEVATION        | 683.38 (NAVD 1988)            |
| MONUMENT         | 5/8" REBAR                    |
| LOCATION         | N: 466707.64<br>E: 2581682.53 |

| CONTROL POINT #2 |                               |
|------------------|-------------------------------|
| ELEVATION        | 617.62 (NAVD 1988)            |
| MONUMENT         | MAGNAIL                       |
| LOCATION         | N: 466816.88<br>E: 2580975.73 |

SANITARY SEWER NOTES:

1. ALL WATER AND WASTEWATER MATERIALS AND CONSTRUCTION SHALL COMPLY WITH CITY STANDARD CONSTRUCTION DETAILS AND SPECIFICATIONS.
  2. CONTRACTOR SHALL FIELD VERIFY THE SIZE, CONDITION, HORIZONTAL, AND VERTICAL LOCATIONS OF ALL EXISTING WATER AND WASTEWATER FACILITIES THAT ARE TO BE CONNECTED TO, PRIOR TO START OF CONSTRUCTION OF ANY WATER OR WASTEWATER CONSTRUCTION, AND SHALL NOTIFY THE ENGINEER OF ANY CONFLICTS DISCOVERED.
  3. CONTRACTOR SHALL VERIFY AND COORDINATE ALL DIMENSIONS SHOWN, INCLUDING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITY SERVICES ENTERING THE BUILDING.
  4. THE CONTRACTOR SHALL FIELD VERIFY THE ELEVATION OF ALL UTILITY CROSSINGS PRIOR TO THE INSTALLATION OF ANY PIPE.
  5. CONTRACTOR SHALL POTHOLE ALL UTILITY CROSSINGS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH UTILITY OWNERS.
  6. THE SITE UTILITY CONTRACTOR SHALL PROVIDE ALL MATERIALS AND APPURTENANCES NECESSARY FOR COMPLETE INSTALLATION OF THE WATER AND WASTEWATER IMPROVEMENTS.
  7. ALL PUBLIC WATER AND WASTEWATER CONSTRUCTION, PIPE, STRUCTURES, AND FITTINGS SHALL ADHERE TO CITY PUBLIC WORKS STANDARD DETAILS AND SPECIFICATIONS. CONTRACTOR SHALL ARRANGE FOR REQUIRED CITY INSPECTIONS.
  8. ALL PRIVATE WATER AND WASTEWATER CONSTRUCTION, PIPE, STRUCTURES, AND FITTINGS SHALL ADHERE TO THE APPLICABLE PLUMBING CODE. CONTRACTOR SHALL ARRANGE FOR REQUIRED CITY INSPECTIONS.
  9. EMBEDMENT FOR ALL WATER AND WASTEWATER LINES, PUBLIC OR PRIVATE, SHALL BE PER CITY STANDARD DETAILS.
  10. CONTRACTOR SHALL TAKE REQUIRED SANITARY PRECAUTIONS, FOLLOWING ANY CITY, ODEQ, AND AWWA STANDARDS, TO KEEP WATER PIPE AND FITTINGS CLEAN AND CAPPED AT TIMES WHEN INSTALLATION IS NOT IN PROGRESS.
  11. CONTRACTOR SHALL PROVIDE CONSTRUCTION SURVEYING FOR ALL WATER AND WASTEWATER LINES.
  12. ALL WATER AND WASTEWATER SERVICES SHALL TERMINATE 5-FEET OUTSIDE THE BUILDING, UNLESS NOTED OTHERWISE.
  13. CONTRACTOR SHALL COMPLY WITH CITY REQUIREMENTS FOR WATER AND WASTEWATER SERVICE DISRUPTIONS AND THE AMOUNT OF PRIOR NOTICE THAT IS REQUIRED, AND SHALL COORDINATE DIRECTLY WITH THE APPROPRIATE CITY DEPARTMENT.
  14. CONTRACTOR SHALL SEQUENCE WATER AND WASTEWATER CONSTRUCTION TO AVOID INTERRUPTION OF SERVICE TO SURROUNDING PROPERTIES.
  15. CONTRACTOR SHALL MAINTAIN WATER SERVICE AND WASTEWATER SERVICE TO ALL CUSTOMERS THROUGHOUT CONSTRUCTION WITH THE EXCEPTION OF THE CITY OF TULSA 24" AND 48" WATERLINES. CONTRACTOR SHALL COORDINATE WITH CITY OF TULSA PRIOR TO INTERRUPTING WATER SERVICE FOR THESE CONNECTIONS IF NECESSARY. BY USE OF TEMPORARY METHODS APPROVED BY THE CITY AND OWNER, THIS WORK SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
  16. THE CONTRACTOR IS RESPONSIBLE TO PROTECT ALL WATER AND WASTEWATER LINES CROSSING THE PROJECT. THE CONTRACTOR SHALL REPAIR ALL DAMAGED LINES IMMEDIATELY. ALL REPAIRS OF EXISTING WATER MAINS, WATER SERVICES, SEWER MAINS, AND SANITARY SEWER SERVICES SHALL BE CONSIDERED SUBSIDIARY TO THE WORK, AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
  17. IF ANY ACTIVE EXISTING SERVICE LINES ARE CUT OFF BY REMOVAL OF SANITARY SEWER LINE AND MANHOLE, THEN THEY MUST BE RECONNECTED TO THE MAIN FOR SERVICE AT THE DEVELOPER'S EXPENSE.
  18. VALVE ADJUSTMENTS SHALL BE CONSTRUCTED SUCH THAT THE COVERS ARE AT FINISHED SURFACE GRADE OF THE PROPOSED PAVEMENT.
  19. THE ENDS OF ALL EXISTING WATER MAINS THAT ARE CUT, BUT NOT REMOVED, SHALL BE PLUGGED AND ABANDONED IN PLACE. THIS WORK SHALL BE CONSIDERED AS A SUBSIDIARY COST TO THE PROJECT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
  20. CONTRACTOR SHALL INSTALL A FULL SEGMENT OF WATER OR WASTEWATER PIPE CENTERED AT ALL UTILITY CROSSINGS SO THAT THE JOINTS ARE GREATER THAN 3-FEET FROM THE CROSSING, WHERE POSSIBLE.
  21. ALL CROSSING AND LOCATIONS WHERE WATER IS LESS THAN 10-FEET FROM WASTEWATER, WATER CONSTRUCTION AND MATERIALS SHALL COMPLY WITH ODEQ CHAPTER 626.
  22. ALL WATER AND WASTEWATER SHALL BE TESTED IN ACCORDANCE WITH THE CITY, AWWA, AND ODEQ STANDARDS AND SPECIFICATIONS.
  23. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND SUBMITTING A TRENCH SAFETY PLAN, PREPARED BY A PROFESSIONAL ENGINEER IN THE STATE OF OKLAHOMA, TO THE CITY PRIOR TO CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING TRENCH SAFETY REQUIREMENTS IN ACCORDANCE WITH CITY, STATE, AND FEDERAL REQUIREMENTS, INCLUDING OSHA FOR ALL TRENCHES. NO OPEN TRENCHES SHALL BE ALLOWED OVERNIGHT WITHOUT PRIOR WRITTEN APPROVAL OF THE CITY.
  24. CONTRACT SHALL SUBMIT PROFESSIONAL ENGINEERED TRENCH EXCAVATION PLAN FOR ALL EXCAVATIONS IN EXCESS OF 20 FEET.
  25. THE CONTRACTOR SHALL KEEP TRENCHES FREE FROM WATER.
  26. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF ALL EROSION CONTROL DEVICES DAMAGED DUE TO CONSTRUCTION.
  27. CONTRACTOR WILL BE REQUIRED TO VACUUM TEST ALL MANHOLES ACCORDING TO CURRENT CITY OF TULSA STANDARDS AND SPECIFICATIONS. EXISTING MANHOLES SHALL BE VACUUM TESTED PRIOR TO ANY MODIFICATIONS AND AFTER WORK IS COMPLETE.
  28. SEWERS AND MANHOLES TO BE ABANDONED SHALL BE SECURELY BLOCKED AT ANY POINTS OF INTAKE OR DISCHARGE WITH A BULKHEAD OR PREFORMED PLUG AND SHALL BE COMPLETELY FILLED WITH CLEAN SAND, CELLULAR CONCRETE OR FLOWABLE FILL.
  29. FRAMES AND COVERS FROM ANY STRUCTURES SCHEDULED FOR ABANDONMENT SHALL BE RETURNED TO THE CITY SEWER AND OPERATIONS MAINTENANCE AT 3319 E 42ND STREET NORTH BETWEEN 7:30 AM AND 3:00 PM MONDAY THRU FRIDAY. AT A MINIMUM ALL STRUCTURES SHALL BE COMPLETELY REMOVED TO A POINT THREE (3) FEET BELOW THE FINAL GRADE, OR THE DEPTH NOTED ON THE DRAWINGS. SAND OR FLOWABLE FILL SHALL BE USED TO FILL THE STRUCTURE.
  30. THE DEVELOPER SHALL MAKE ANY NEEDED MODIFICATIONS TO EXISTING MANHOLE IN ORDER TO COMPLY WITH CURRENT CITY OF TULSA STANDARDS OR MAINTENANCE REQUIREMENTS. THE DEVELOPER SHALL BE RESPONSIBLE FOR COST ASSOCIATED WITH INTERNAL INSPECTION, REHAB PLAN PREPARATION AND CONSTRUCTION.
  31. SERVICE TEES SHALL BE CONSTRUCTED AS PART OF IDP. SERVICE CONNECTION TO BUILDINGS SHALL BE DONE SEPARATELY AS A SEWER TAP PERMIT.
  32. BACKFLOW PREVENTER MUST BE INSTALLED IF BUILDING SITE IS BELOW THE UPSTREAM/DOWNSTREAM MANHOLE RIM+ 1'
  33. CONCRETE MANHOLES, ASSOCIATED WITH MAINS 15" ID AND LARGER, TO BE DESIGNED WITH INTERIOR EPOXY COATING OR FIBERGLASS WITH NO COATING.
  34. MANHOLE LID SHOULD BE 3200 SERIES COMPOSITE UTILITY ACCESS COVER WITH QUARTER TURN PADDLE LOCKS MANUFACTURED BY EED JORDAN PER CITY STANDARDS FOR MANHOLES IN FLOODPLAIN.
  35. ALL MANHOLES MUST HAVE 30" LIDS AND COVERS AND NO STEPS.
  36. WATER AND SANITARY SEWER SEPARATION (OUTSIDE TO OUTSIDE OF PIPES) TO BE MINIMUM TWO (2) FEET VERTICAL, & TEN (10) FEET HORIZONTAL PER ODEQ REGULATIONS. WHEN WATER AND SEWER SEPARATION CANNOT BE MAINTAINED, THE SANITARY SEWER SHALL BE DESIGNED AND CONSTRUCTED EQUAL TO WATER PIPE. SANITARY SEWER MUST BE INSTALLED AND TESTED FOR PRESSURE AND LEAKAGE IN ACCORDANCE WITH COT STANDARD SPECIFICATION PART 203 AND ODEQ STANDARD 252-626-19-2(e).
  37. RIPRAP DESIGN AND INSTALLATION SHALL COMPLY WITH THE MORE STRINGENT OF THE FOLLOWING: (1) ODOT STANDARD SPECIFICATIONS PREPARED BY THE CITY OF TULSA (2) CURRENT CITY OF TULSA STORMWATER MANAGEMENT CRITERIA MANUAL



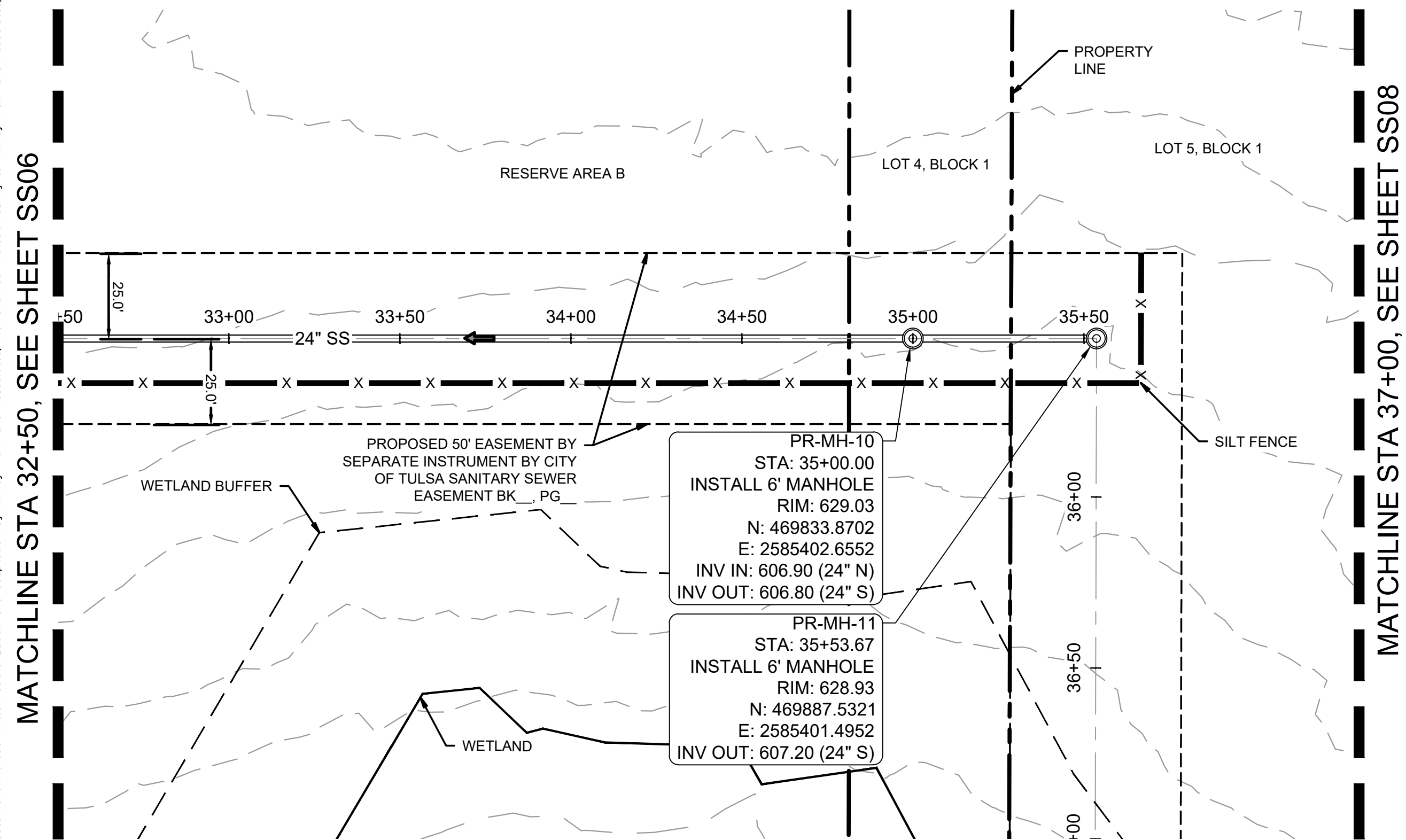
**Know what's below.  
Call before you dig.**

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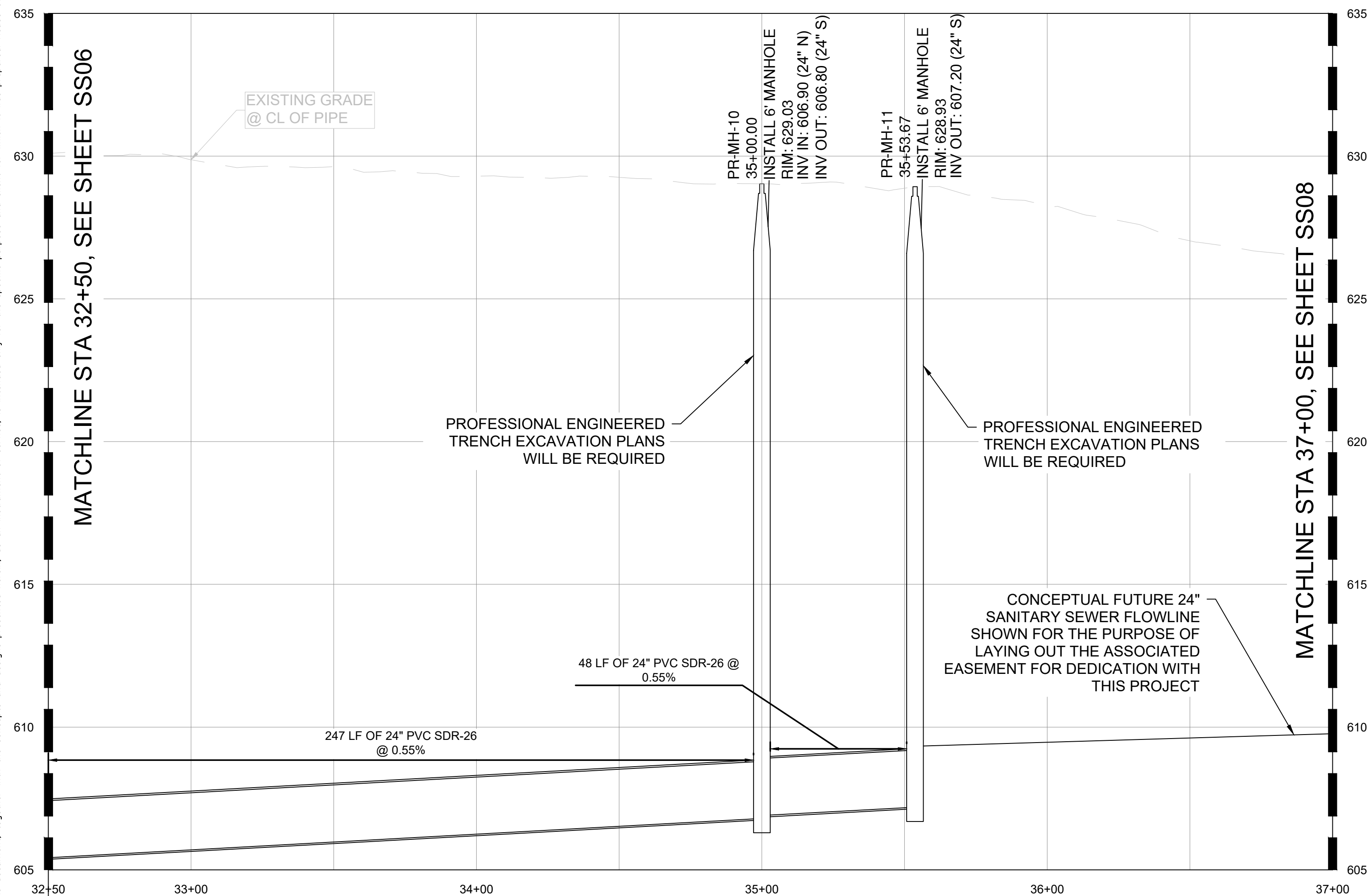
Michael Ling, PE  
Infrastructure Development Manager  
City of Tulsa

|                           |                    |                 |
|---------------------------|--------------------|-----------------|
| KHA PROJECT<br>CLYDESDALE | DATE<br>APRIL 2026 | SCALE: AS SHOWN |
| DESIGNED BY: DR           |                    |                 |
| DRAWN BY: DB              |                    |                 |
| CHECKED BY: DR            |                    |                 |





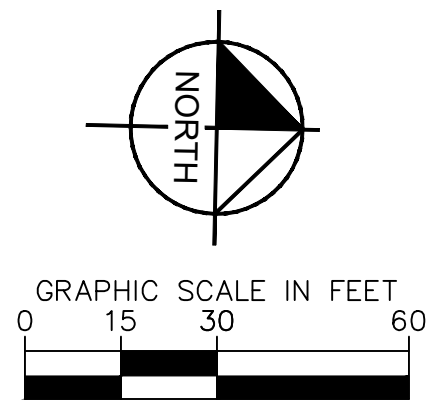
## SSWR-IDP-EXTENSION PLAN



## SSWR-IDP-EXTENSION

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### PROFILE



|                                                                                |
|--------------------------------------------------------------------------------|
| DATUM                                                                          |
| HORIZONTAL<br>NAD 83 OKLAHOMA STATE PLANE<br>COORDINATE SYSTEM NORTH ZONE 3501 |
| VERTICAL<br>NAVD 88                                                            |

| CONTROL POINT #1 |                               |
|------------------|-------------------------------|
| ELEVATION        | 683.38 (NAVD 1988)            |
| MONUMENT         | 5/8" REBAR                    |
| LOCATION         | N: 466707.64<br>E: 2581682.53 |

| CONTROL POINT #2 |                               |
|------------------|-------------------------------|
| ELEVATION        | 617.62 (NAVD 1988)            |
| MONUMENT         | MAGNAIL                       |
| LOCATION         | N: 466816.88<br>E: 2580975.73 |

SANITARY SEWER NOTES:

- ALL WATER AND WASTEWATER MATERIALS AND CONSTRUCTION SHALL COMPLY WITH CITY STANDARD CONSTRUCTION DETAILS AND SPECIFICATIONS.
2. CONTRACTOR SHALL FIELD VERIFY THE SIZE, CONDITION, HORIZONTAL, AND VERTICAL LOCATIONS OF ALL EXISTING WATER AND WASTEWATER FACILITIES THAT ARE TO BE CONNECTED TO, PRIOR TO START OF CONSTRUCTION OF ANY WATER OR WASTEWATER CONSTRUCTION, AND SHALL NOTIFY THE ENGINEER OF ANY CONFLICTS DISCOVERED.
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20. CONTRACTOR SHALL INSTALL A FULL SEGMENT OF WATER OR WASTEWATER PIPE CENTRAL AT ALL UTILITY CROSSINGS SO THAT THE JOINTS ARE GREATER THAN 9-FEET FROM THE CROSSING, WHERE POSSIBLE.
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29. FRAMES AND COVERS FROM ANY STRUCTURES SCHEDULED FOR ABANDONMENT SHALL BE RETURNED TO THE CITY SEWER AND OPERATIONS MAINTENANCE AT \$519 E 42ND STREET NORTH BETWEEN 730 AM AND 3:00 PM MONDAY THRU FRIDAY. AT A MINIMUM ALL STRUCTURES SHALL BE COMPLETELY REMOVED TO A POINT THREE (3) FEET BELOW THE FINAL GRADE, OR THE DEPTH NOTED ON THE DRAWINGS, AND/OR FLOWABLE FILL SHALL BE USED TO FILL THE STRUCTURE.
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31. SERVICE TEES SHALL BE CONSTRUCTED AS PART OF IDP. SERVICE CONNECTION TO BUILDINGS SHALL BE DONE SEPARATELY AS A SEWER TAP PERMIT.
32. BACKFLOW PREVENTER MUST BE INSTALLED IF BUILDING SITE IS BELOW THE UPSTREAM/DOWNSTREAM MANHOLE RIM+ 1'
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37. RIPRAP DESIGN AND INSTALLATION SHALL COMPLY WITH THE MORE STRINGENT OF THE FOLLOWING: (1) DOT STANDARD SPECIFICATIONS ADOPTED BY THE CITY OF TULSA; (2) CURRENT CITY OF TULSA STORMWATER MANAGEMENT CRITERIA MANUAL.
-   
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- APPROVED FOR IDP PERMIT ONLY
- Michael Ljung, PE Date  
Infrastructure Development Manager



**Know what's below.  
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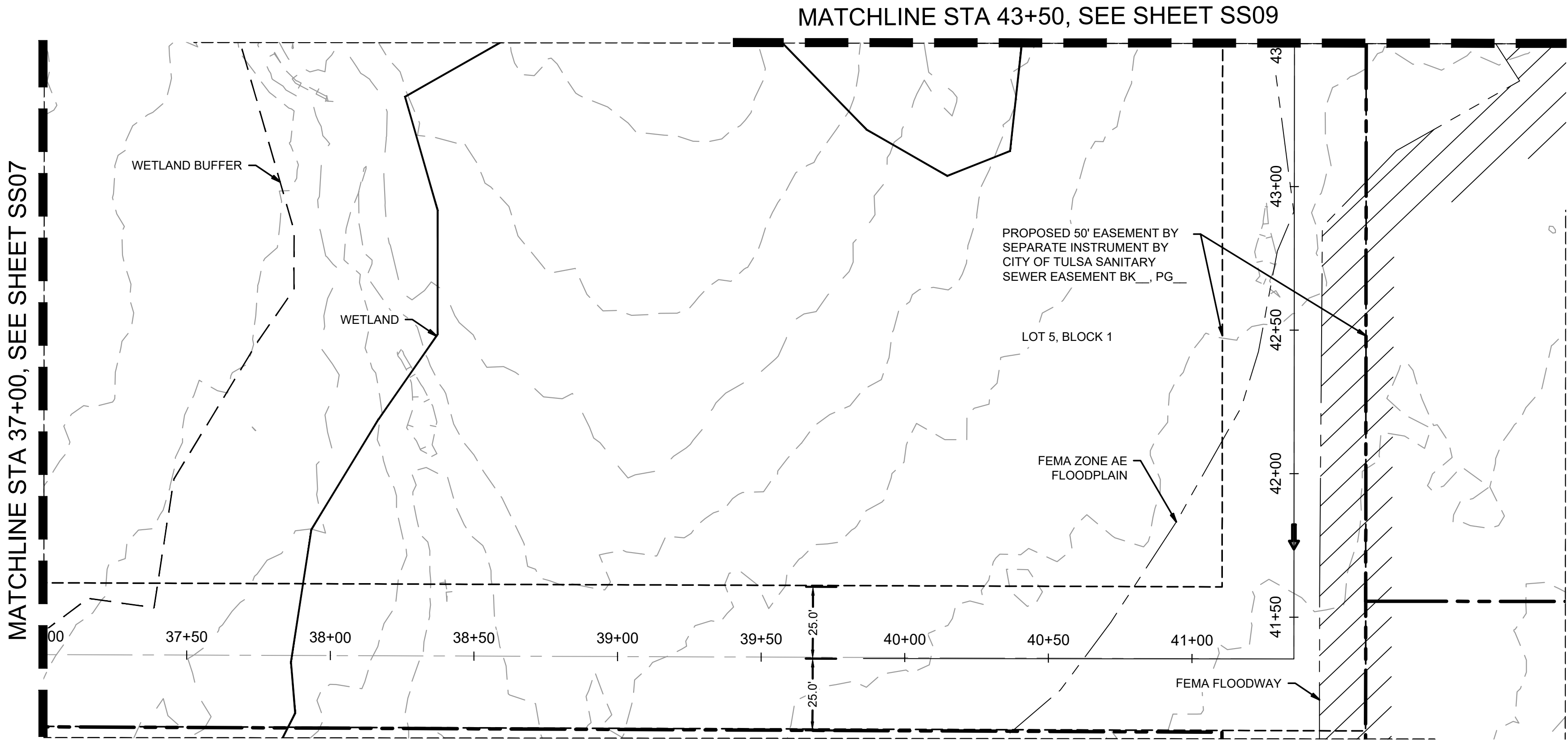
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Michael Ling, PE  
Infrastructure Development Manager  
City of Tulsa



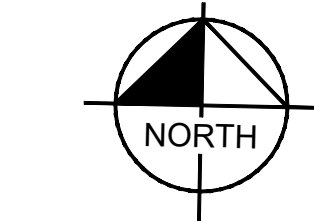
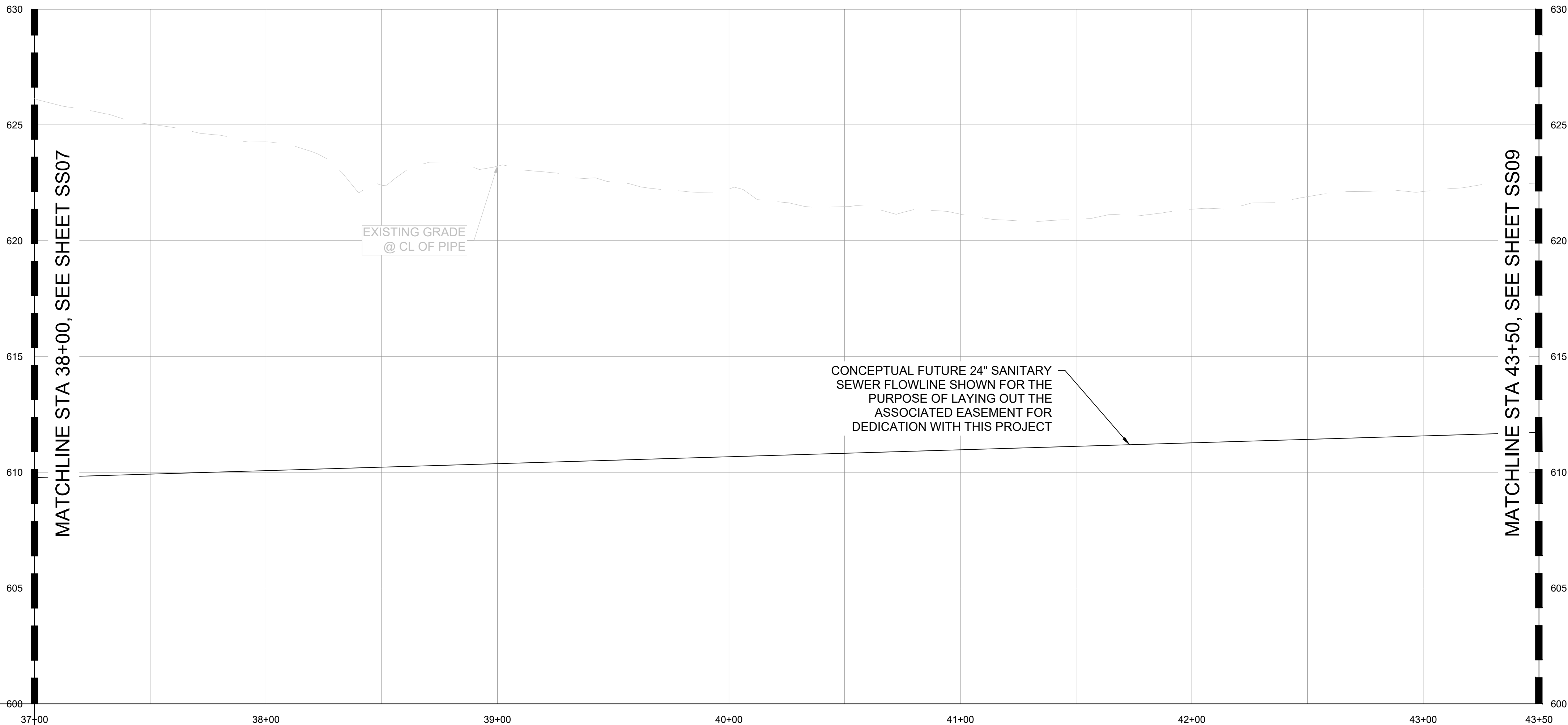
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SSWR-IDP-EXTENSION  
PLAN

SSWR-IDP-EXTENSION  
PROFILE



GRAPHIC SCALE IN FEET  
0 15 30 60

| DATUM      |                                                                  |
|------------|------------------------------------------------------------------|
| HORIZONTAL | NAD 83 OKLAHOMA STATE PLANE<br>COORDINATE SYSTEM NORTH ZONE 3501 |
| VERTICAL   | NAVD 88                                                          |

| CONTROL POINT #1 |                               |
|------------------|-------------------------------|
| ELEVATION        | 683.38 (NAVD 1988)            |
| MONUMENT         | 5/8" REBAR                    |
| LOCATION         | N: 466707.64<br>E: 2581682.53 |

| CONTROL POINT #2 |                               |
|------------------|-------------------------------|
| ELEVATION        | 617.62 (NAVD 1988)            |
| MONUMENT         | MAGNAIL                       |
| LOCATION         | N: 466816.88<br>E: 2580975.73 |

| NO. | REVISIONS | DATE | BY |
|-----|-----------|------|----|
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**Kimley»Horn**

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1437 SOUTH BOULDER AVE, SUITE 930 TULSA, OK 74119  
PHONE: 918-380-8868 FIRM NO. 2740 EXP. JUNE 30, 2027  
WWW.KIMLEY-HORN.COM

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THIS DOCUMENT IS PRELIMINARY IN NATURE AND IS NOT A FINAL, SIGNED AND SEALED DOCUMENT

**Kimley»Horn**

Engineer: \_\_\_\_\_  
P.E. No. \_\_\_\_\_

|              |            |
|--------------|------------|
| KHA PROJECT  | CLYDESDALE |
| DATE         | APRIL 2026 |
| SCALE:       | AS SHOWN   |
| DESIGNED BY: | DR         |
| DRAWN BY:    | DB         |
| CHECKED BY:  | DR         |

**PROJECT**  
**CLYDESDALE**

**SSWR-IDP-EXTENSION**  
**37+00 TO 43+50**  
**PLAN & PROFILE**

SHEET NUMBER  
**SS08**



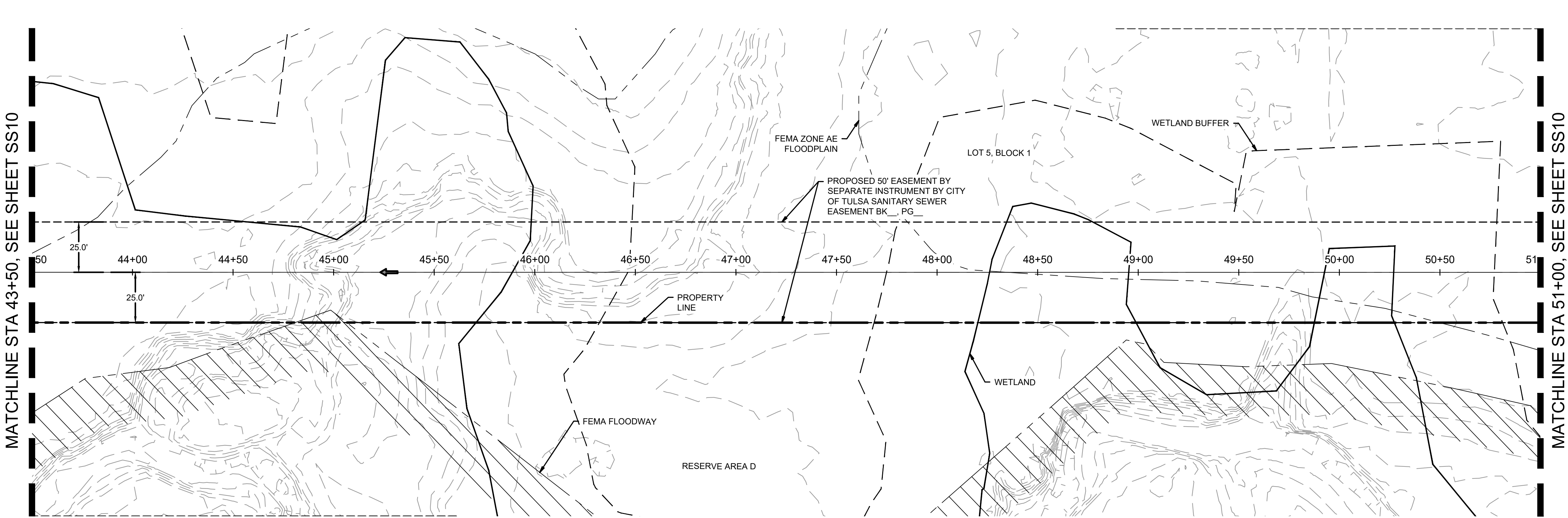
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Michael Ling, PE Date  
Infrastructure Development Manager  
City of Tulsa

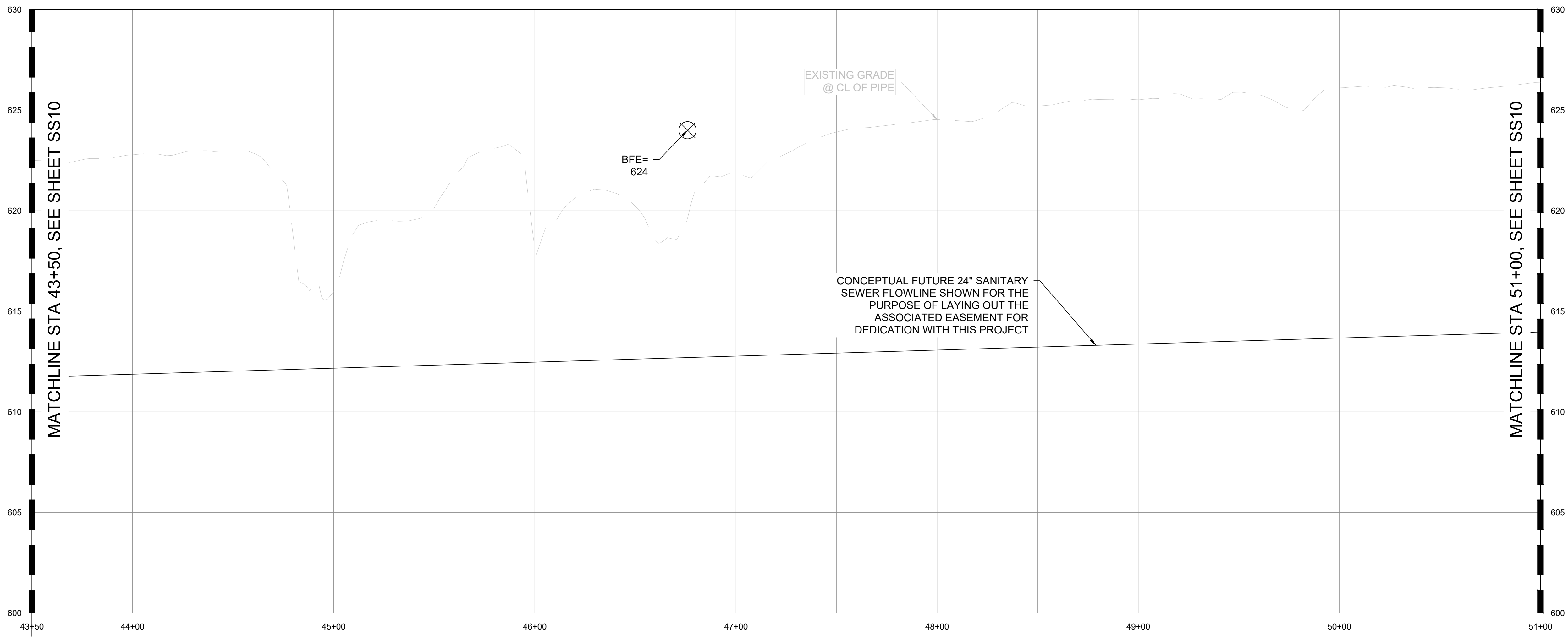


Plotted By:Blackman, Doniale Date:May 19, 2026 06:03:35pm File Path:C:\ACQ\ACQDocs\Kimley-Horn\060057900\_CYL\Project Files\00\_Civil\SPS\07\_City of Tulsa IDP\03\_Production-DWG\SSW-IDP-EXTENSION.dwg  
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SSWR-IDP-EXTENSION  
PLAN

SSWR-IDP-EXTENSION  
PROFILE



APPROVED FOR IDP PERMIT ONLY

Michael Ling, PE Date  
Infrastructure Development Manager  
City of Tulsa

DATUM  
HORIZONTAL  
NAD 83 OKLAHOMA STATE PLANE  
COORDINATE SYSTEM NORTH ZONE 3501  
VERTICAL  
NAVD 88

CONTROL POINT #1  
ELEVATION 683.38 (NAVD 1988)  
MONUMENT 5/8" REBAR  
LOCATION N: 466707.64  
E: 2581682.53

CONTROL POINT #2  
ELEVATION 617.62 (NAVD 1988)  
MONUMENT MAGNAIL  
LOCATION N: 466816.88  
E: 2580975.73

|                                                                            |  |            |  |      |  |            |  |                 |  |                 |  |              |  |                |  |
|----------------------------------------------------------------------------|--|------------|--|------|--|------------|--|-----------------|--|-----------------|--|--------------|--|----------------|--|
| KHA PROJECT                                                                |  | CLYDESDALE |  | DATE |  | APRIL 2026 |  | SCALE: AS SHOWN |  | DESIGNED BY: DR |  | DRAWN BY: DB |  | CHECKED BY: DR |  |
| <p><b>PROJECT</b><br/>CLYDESDALE</p>                                       |  |            |  |      |  |            |  |                 |  |                 |  |              |  |                |  |
| <p><b>SSWR-IDP-EXTENSION</b><br/>43+50 TO 51+00<br/>PLAN &amp; PROFILE</p> |  |            |  |      |  |            |  |                 |  |                 |  |              |  |                |  |
| <p>SHEET NUMBER<br/><b>SS09</b></p>                                        |  |            |  |      |  |            |  |                 |  |                 |  |              |  |                |  |

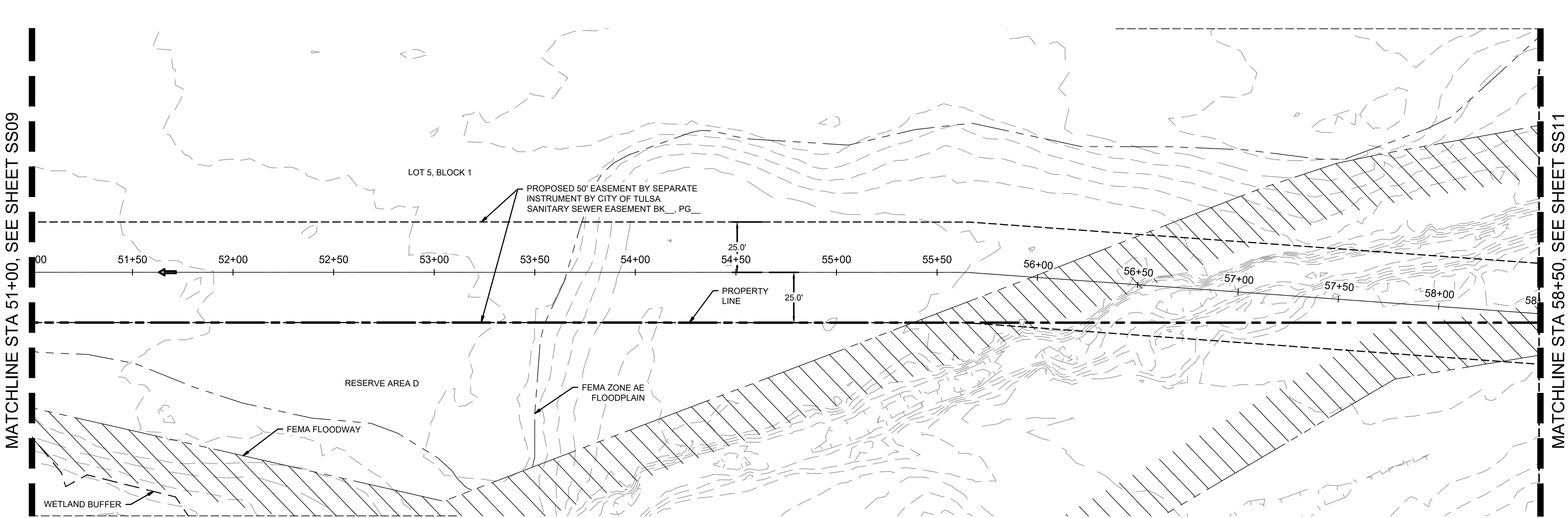
**Kimley»Horn**

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| REVISIONS |  | DATE |  | BY |  |
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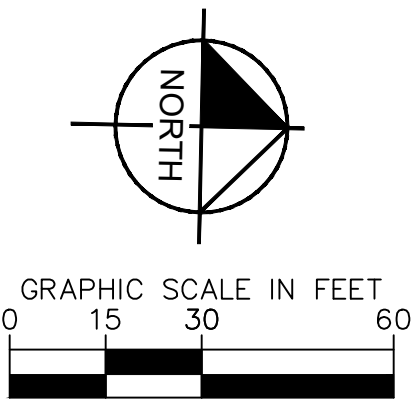
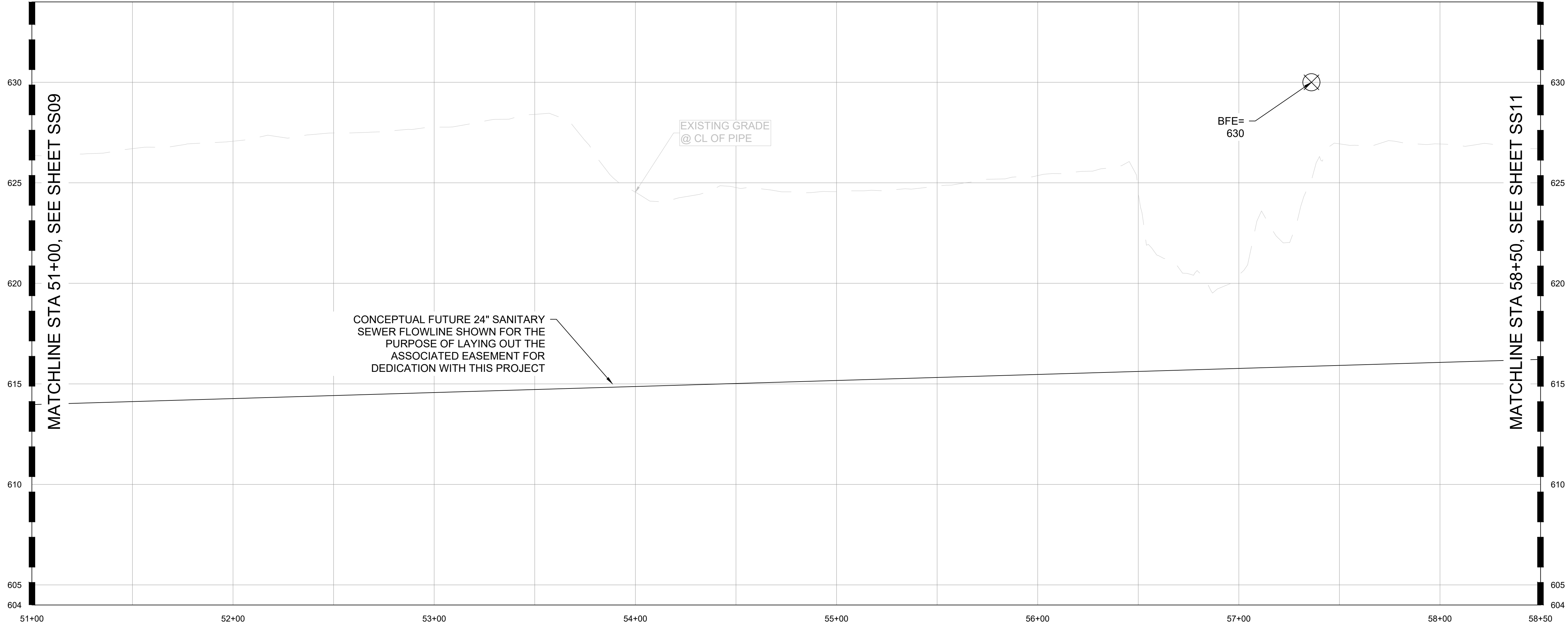


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SSWR-IDP-EXTENSION  
PLAN

SSWR-IDP-EXTENSION  
PROFILE



| DATUM             |                             |
|-------------------|-----------------------------|
| HORIZONTAL        | NAD 83 OKLAHOMA STATE PLANE |
| COORDINATE SYSTEM | NORTH ZONE 3501             |
| VERTICAL          | NAVD 88                     |

| CONTROL POINT #1 |                               |
|------------------|-------------------------------|
| ELEVATION        | 683.38 (NAVD 1988)            |
| MONUMENT         | 3/4" REBAR                    |
| LOCATION         | N: 466707.64<br>E: 2581682.53 |

| CONTROL POINT #2 |                               |
|------------------|-------------------------------|
| ELEVATION        | 617.62 (NAVD 1988)            |
| MONUMENT         | MAGNAIL                       |
| LOCATION         | N: 466816.88<br>E: 2580975.73 |

| REVISIONS |  | DATE | BY |
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PRELIMINARY

THIS DOCUMENT IS PRELIMINARY IN NATURE AND IS NOT A FINAL, SIGNED AND SEALED DOCUMENT

Engineer: \_\_\_\_\_

P.E. No.: \_\_\_\_\_

|              |            |
|--------------|------------|
| KHA PROJECT  | Clydesdale |
| DATE         | APRIL 2026 |
| SCALE:       | AS SHOWN   |
| DESIGNED BY: | DR         |
| DRAWN BY:    | DB         |
| CHECKED BY:  | DR         |

PROJECT

Clydesdale

SSWR-IDP-EXTENSION

51+00 TO 58+50

PLAN & PROFILE

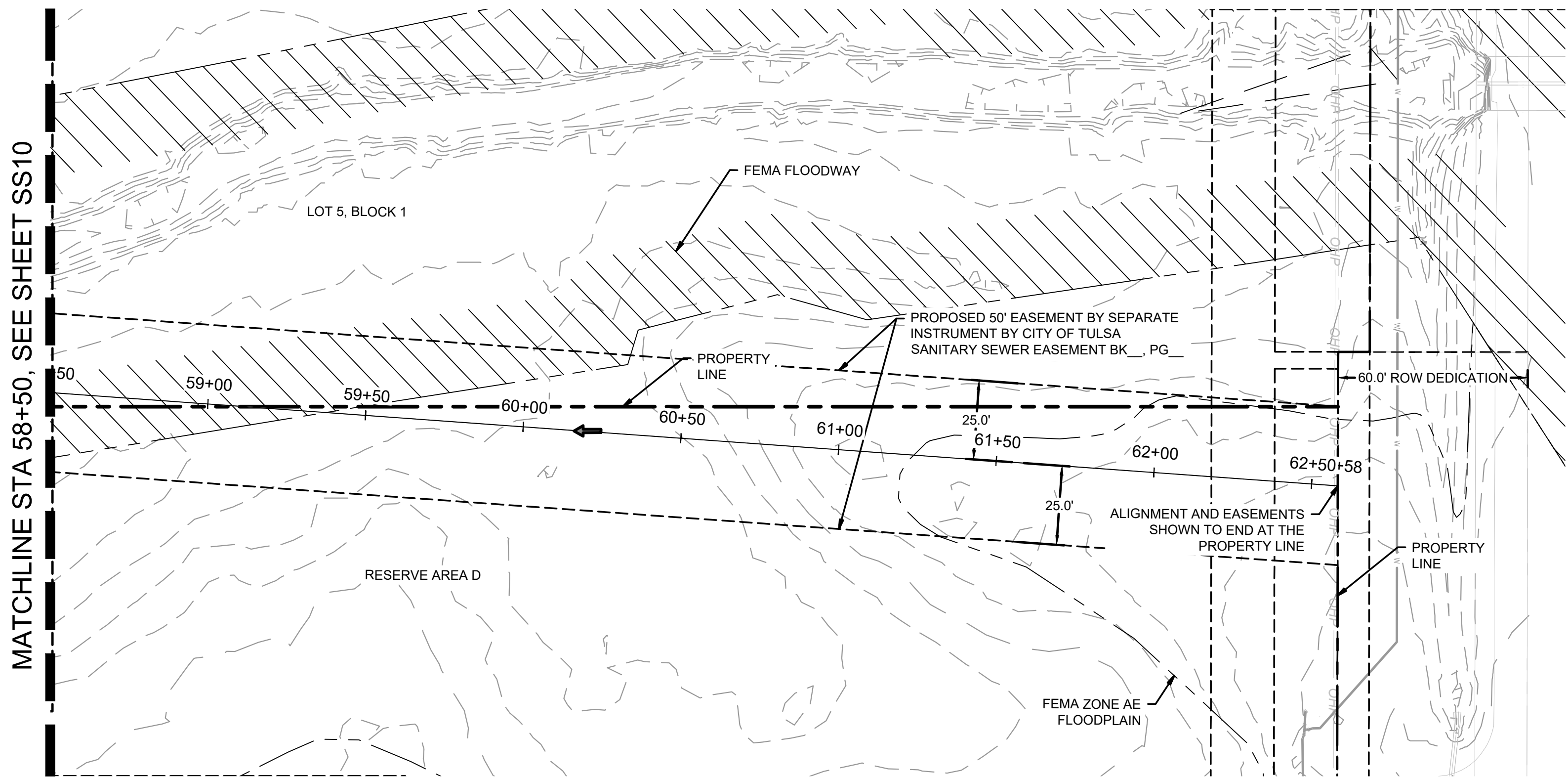
SHEET NUMBER

SS10

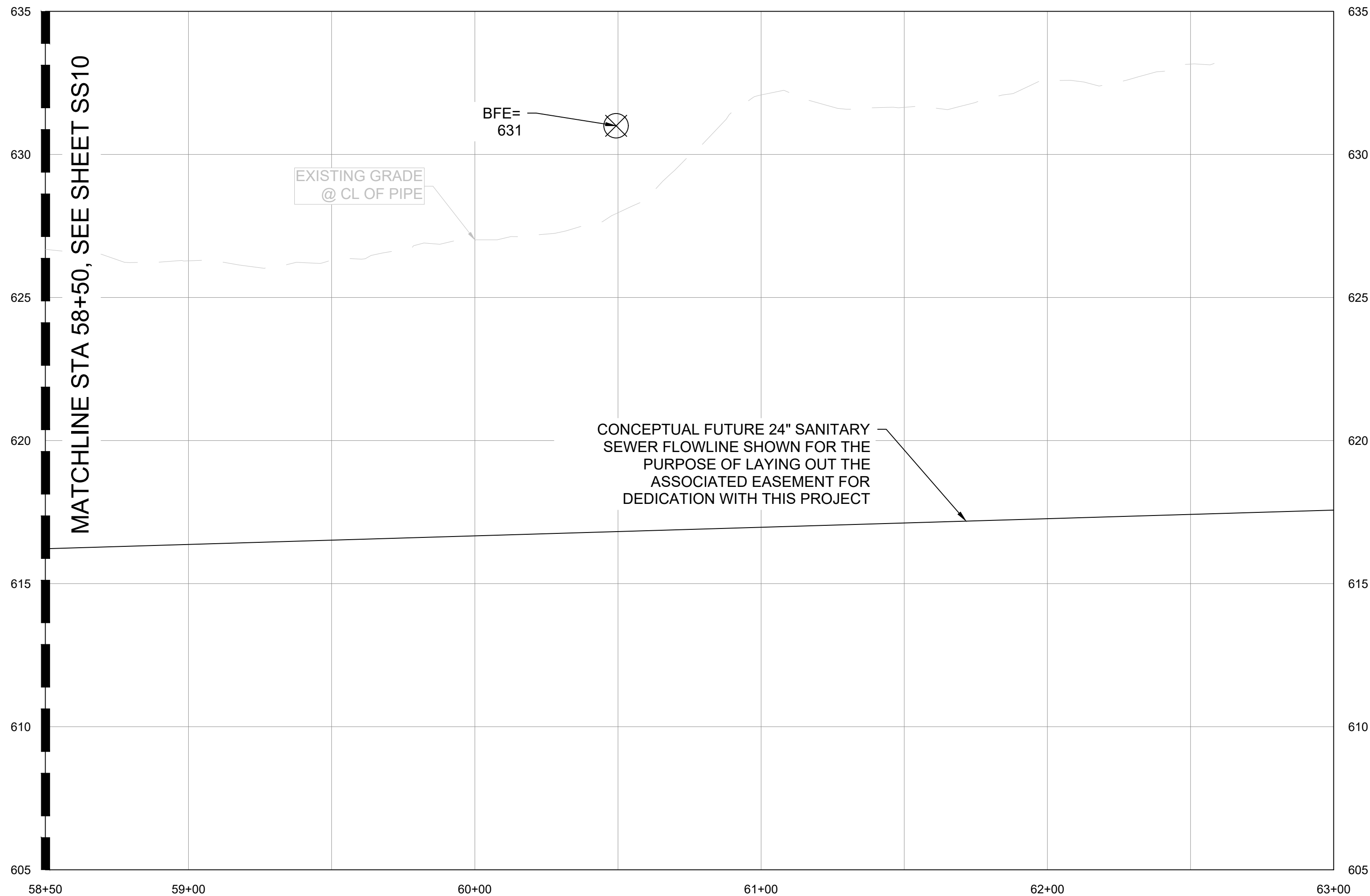


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| APPROVED FOR IDP PERMIT ONLY                                            |               |
| Michael Ling, PE<br>Infrastructure Development Manager<br>City of Tulsa | Date<br>_____ |





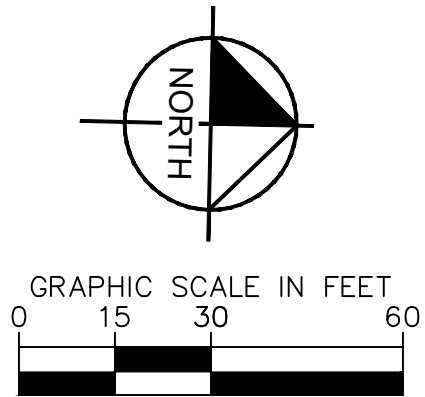
## SSWR-IDP-EXTENSION PLAN



## SSWR-IDP-EXTENSION

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### PROFILE



|                                                                                |
|--------------------------------------------------------------------------------|
| DATUM                                                                          |
| HORIZONTAL<br>NAD 83 OKLAHOMA STATE PLANE<br>COORDINATE SYSTEM NORTH ZONE 3501 |
| VERTICAL<br>NAVD 88                                                            |

| CONTROL POINT #1 |                               |
|------------------|-------------------------------|
| ELEVATION        | 683.38 (NAVD 1988)            |
| MONUMENT         | 5/8" REBAR                    |
| LOCATION         | N: 466707.64<br>E: 2581682.53 |

| CONTROL POINT #2 |                               |
|------------------|-------------------------------|
| ELEVATION        | 617.62 (NAVD 1988)            |
| MONUMENT         | MAGNAIL                       |
| LOCATION         | N: 466816.88<br>E: 2580975.73 |

SANITARY SEWER NOTES:

- ALL WATER AND WASTEWATER MATERIALS AND CONSTRUCTION SHALL COMPLY WITH CITY STANDARD CONSTRUCTION DETAILS AND SPECIFICATIONS.
2. CONTRACTOR SHALL FIELD VERIFY THE SIZE, CONDITION, HORIZONTAL, AND VERTICAL LOCATIONS OF ALL EXISTING WATER AND WASTEWATER FACILITIES THAT ARE TO BE CONNECTED TO, PRIOR TO START OF CONSTRUCTION OF ANY WATER OR WASTEWATER CONSTRUCTION, AND SHALL NOTIFY THE ENGINEER OF ANY CONFLICTS DISCOVERED.
3. CONTRACTOR SHALL VERIFY AND COORDINATE ALL DIMENSIONS SHOWN, INCLUDING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITY SERVICES ENTERING THE BUILDING.
4. THE CONTRACTOR SHALL FIELD VERIFY THE ELEVATION OF ALL UTILITY CROSSINGS PRIOR TO THE INSTALLATION OF ANY PIPE.
5. CONTRACTOR SHALL POTHOLE ALL UTILITY CROSSINGS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH UTILITY OWNERS.
6. THE SITE UTILITY CONTRACTOR SHALL PROVIDE ALL MATERIALS AND APPURTENANCES NECESSARY FOR COMPLETE INSTALLATION OF THE WATER AND WASTEWATER IMPROVEMENTS.
7. ALL PUBLIC WATER AND WASTEWATER CONSTRUCTION, PIPE, STRUCTURES, AND FITTINGS SHALL ADHERE TO CITY PUBLIC WORKS STANDARD DETAILS AND SPECIFICATIONS. CONTRACTOR SHALL ARRANGE FOR REQUIRED CITY INSPECTIONS.
8. ALL PRIVATE WATER AND WASTEWATER CONSTRUCTION, PIPE, STRUCTURES, AND FITTINGS SHALL ADHERE TO THE APPLICABLE PLUMBING CODE. CONTRACTOR SHALL ARRANGE FOR REQUIRED CITY INSPECTIONS.
9. EMBEDMENT FOR ALL WATER AND WASTEWATER LINES, PUBLIC OR PRIVATE, SHALL BE PER CITY STANDARD DETAILS.
10. CONTRACTOR SHALL TAKE REQUIRED SANITARY PRECAUTIONS, FOLLOWING ANY CITY, ODEQ, AND AWWA STANDARDS, TO KEEP WATER PIPE AND FITTINGS CLEAN AND CAPPED AT TIMES WHEN INSTALLATION IS NOT IN PROGRESS.
11. CONTRACTOR SHALL PROVIDE CONSTRUCTION SURVEYING FOR ALL WATER AND WASTEWATER LINES.
12. ALL WATER AND WASTEWATER SERVICES SHALL TERMINATE 5-FEET OUTSIDE THE BUILDING, UNLESS NOTED OTHERWISE.
13. CONTRACTOR SHALL COMPLY WITH CITY REQUIREMENTS FOR WATER AND WASTEWATER SERVICE DISRUPTIONS AND THE AMOUNT OF PRIOR NOTICE THAT IS REQUIRED, AND SHALL COORDINATE DIRECTLY WITH THE APPROPRIATE CITY DEPARTMENT.
14. CONTRACTOR SHALL SEQUENCE WATER AND WASTEWATER CONSTRUCTION TO AVOID INTERRUPTION OF SERVICE TO SURROUNDING PROPERTIES.
15. CONTRACTOR SHALL MAINTAIN WATER SERVICE AND WASTEWATER SERVICE TO ALL CUSTOMERS THROUGHOUT CONSTRUCTION WITH THE EXCEPTION OF "THE CITY OF TULSA 24" AND 48" WATERLINES. CONTRACTOR SHALL COORDINATE WITH CITY OF TULSA PRIOR TO INTERRUPTING WATER SERVICE FOR THESE CONNECTIONS (IF NECESSARY, BY USE OF TEMPORARY METHODS APPROVED BY THE CITY AND OWNER). THIS WORK SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
16. THE CONTRACTOR IS RESPONSIBLE TO PROTECT ALL WATER AND WASTEWATER LINES CROSSING THE PROJECT. THE CONTRACTOR SHALL REPAIR ALL DAMAGED LINES IMMEDIATELY. ALL REPAIRS OF EXISTING WATER MAINS, WATER SERVICES, SEWER MAINS, AND SANITARY SEWER SERVICES ARE SUBSIDIARY TO THE WORK, AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
17. IF ANY ACTIVE EXISTING SERVICE LINES ARE CUT OFF BY REMOVAL OF SANITARY SEWER LINE AND MANHOLE, THEN THEY MUST BE RECONNECTED TO THE MAIN FOR SERVICE AT THE DEVELOPER'S EXPENSE.
18. VALVE ADJUSTMENTS MUST BE CONSTRUCTED SUCH THAT THE COVERS ARE AT FINISHED SURFACE GRADE OF THE PROPOSED PAVEMENT.
19. THE ENDS OF ALL EXISTING WATER MAINS THAT ARE CUT, BUT NOT REMOVED, SHALL BE PLUGGED AND ABANDONED IN PLACE. THIS WORK SHALL BE CONSIDERED AS A SUBSIDIARY COST TO THE PROJECT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
20. CONTRACTOR SHALL INSTALL A FULL SEGMENT OF WATER OR WASTEWATER PIPE CENTERED AT ALL UTILITY CROSSINGS SO THAT THE JOINTS ARE GREATER THAN 9-FEET FROM THE CROSSING, WHERE POSSIBLE.
21. ALL CROSSING AND LOCATIONS WHERE WATER IS LESS THAN 10-FEET FROM WASTEWATER, WATER CONSTRUCTION AND MATERIALS SHALL COMPLY WITH ODEQ CHAPTER 626.
22. ALL WATER AND WASTEWATER MAINS SHALL BE TESTED IN ACCORDANCE WITH THE CITY, AWWA, AND ODEQ STANDARDS AND SPECIFICATIONS.
23. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND SUBMITTING A TRENCH SAFETY PLAN, PREPARED BY A PROFESSIONAL ENGINEER IN THE STATE OF OKLAHOMA, TO THE CITY PRIOR TO CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING TRENCH SAFETY REQUIREMENTS IN ACCORDANCE WITH CITY, STATE, AND FEDERAL REQUIREMENTS, INCLUDING OSHA FOR ALL TRENCHES. NO OPEN TRENCHES SHALL BE ALLOWED OVERNIGHT WITHOUT PRIOR WRITTEN APPROVAL OF THE CITY.
24. CONTRACT SHALL SUBMIT PROFESSIONAL ENGINEERED TRENCH EXCAVATION PLAN FOR ALL EXCAVATIONS IN EXCESS OF 20 FEET.
25. THE CONTRACTOR SHALL KEEP TRENCHES FREE FROM WATER.
26. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF ALL EROSION CONTROL DEVICES DAMAGED DUE TO CONSTRUCTION.
27. CONTRACTOR WILL BE REQUIRED TO VACUUM TEST ALL MANHOLES ACCORDING TO CURRENT CITY OF TULSA STANDARDS AND SPECIFICATIONS. EXISTING MANHOLES SHALL BE VACUUM TESTED PRIOR TO ANY MODIFICATIONS AND AFTER WORK IS COMPLETE.
28. SEWERS AND MANHOLES TO BE ABANDONED SHALL BE SECURELY BLOCKED AT ANY POINTS OF INTAKE OR DISCHARGE WITH A BULKHEAD OR PREFORMED PLUG AND SHALL BE COMPLETELY FILLED WITH CLEAN SAND, CELLULAR CONCRETE OR FLOWABLE FILL.
29. FRAMES AND COVERS FROM ANY STRUCTURES SCHEDULED FOR ABANDONMENT SHALL BE RETURNED TO THE CITY SEWER AND OPERATIONS MAINTENANCE AT 9319 E 42ND STREET NORTH BETWEEN 7:30 AM AND 3:00 PM MONDAY THRU FRIDAY. AT A MINIMUM ALL STRUCTURES SHALL BE COMPLETELY REMOVED TO A POINT THREE (3) FEET BELOW THE FINAL GRADE, OR THE DEPTH NOTED ON THE DRAWINGS. SAND OR FLOWABLE FILL SHALL BE USED TO FILL THE STRUCTURE.
30. THE DEVELOPER SHALL MAKE ANY NEEDED MODIFICATIONS TO EXISTING MANHOLE IN ORDER TO COMPLY WITH CURRENT CITY OF TULSA STANDARDS OR MAINTENANCE REQUIREMENTS. THE DEVELOPER SHALL BE RESPONSIBLE FOR COST ASSOCIATED WITH INTERNAL INSPECTION, REHAB PLAN PREPARATION AND CONSTRUCTION.
31. SERVICE TEES SHALL BE CONSTRUCTED AS PART OF IDP. SERVICE CONNECTION TO BUILDINGS SHALL BE DONE SEPARATELY AS A SEWER TAP PERMIT.
32. BACKFLOW PREVENTER MUST BE INSTALLED IF BUILDING SITE IS BELOW THE UPSTREAM/DOWNSTREAM MANHOLE RIM+ 1'
33. CONCRETE MANHOLES, ASSOCIATED WITH MAINS 15" ID AND LARGER, TO BE DESIGNED WITH INTERIOR EPOXY COATING OR FIBERGLASS WITH NO COATING.
34. MANHOLE LID SHOULD BE 3200 SERIES COMPOSITE UTILITY ACCESS COVER WITH QUARTER TURN PADDLE LOCKS MANUFACTURED BY EAST JORDAN PER CITY STANDARDS FOR MANHOLES IN FLOODPLAIN.
35. ALL MANHOLES MUST HAVE 30" LIDS AND COVERS AND NO STEPS.
36. WATER AND SANITARY SEWER SEPARATION (OUTSIDE TO OUTSIDE OF PIPES) TO BE MINIMUM TWO (2) FEET VERTICAL & TEN (10) FEET HORIZONTAL PER ODEQ REGULATIONS. WHEN WATER AND SEWER SEPARATION CANNOT BE MAINTAINED, THE SANITARY SEWER SHALL BE DESIGNED AND CONSTRUCTED EQUAL TO WATER PIPE. SANITARY SEWER MUST BE INSTALLED AND TESTED FOR PRESSURE AND LEAKAGE IN ACCORDANCE WITH COT STANDARD SPECIFICATION PART 203 AND ODEQ STANDARD 252-626-19-2(c).
37. RIPRAP DESIGN AND INSTALLATION SHALL COMPLY WITH THE MORE STRINGENT OF THE FOLLOWING: (1) ODOT STANDARD SPECIFICATION PART 203 AND (2) CURRENT CITY OF TULSA STORMWATER MANAGEMENT CRITERIA MANUAL.
-   
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- APPROVED FOR IDP PERMIT ONLY
- Michael Ling, PE  
Infrastructure Development Manager
- Date



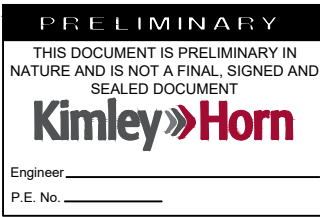
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Michael Ling, PE  
Infrastructure Development Manager  
City of Tulsa

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|                           |                    |                 |                 |    |                |
|---------------------------|--------------------|-----------------|-----------------|----|----------------|
| KHA PROJECT<br>CLYDESDALE | DATE<br>APRIL 2026 | SCALE: AS SHOWN | DESIGNED BY: DR | DB | CHECKED BY: DR |
|---------------------------|--------------------|-----------------|-----------------|----|----------------|

# PROJECT CLYDESDALE

**WR-IDP-EXTENSION  
58+50 TO END  
PLAN & PROFILE**

SHEET NUMBER

SS11



