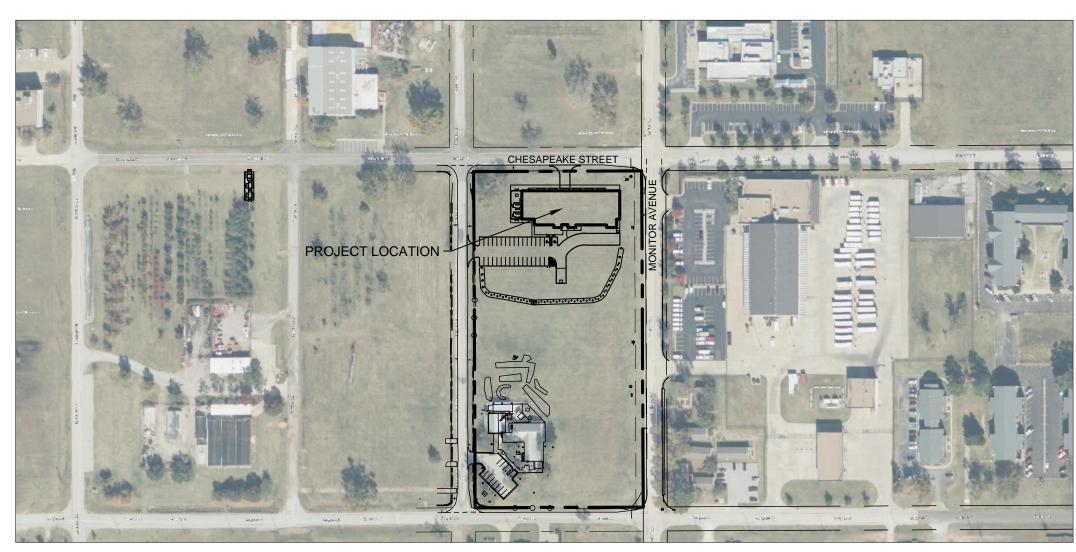
	SUMMARY OF PUE			1
ITEM #	ITEM		QUANTITY	AS-BUILT
1.	8" SANITARY SEWER PIPE (SD		374	
2.	TRENCHING (0-6')	LF		
3.	TRENCHING (6-8')	LF	374	
4.	TRENCHING (8-10')	LF	150	
5.	TRENCHING (10-12')	LF.	125	
6.	STD. 4' DIAMETER MANHOLE	EA		
7.	ADDITIONAL DEPTH MANHOLE		+ -	
8.	8"X4" TEE	EA		
9.	4" RISER PIPE ABANDON 8" SANITARY SEWE	R LF		
10.				
11. 12.	REMOVE MANHOLE (COMPLETYPE 'A' AGGREGATE BACKFI	/	-	
	MANHOLE TESTING	LS		
13. 14.	LEAKAGE TEST	LS		
15.	DEFLECTION TEST	LS	_	
16.	4" SEWER SERVICE (PRIVATE)		42	
	PRIVATE QUANTITIES	(BY DEVELO	OPER)	
<u> </u>	EDUSION CONTROL CLIANT	ITIES (BV D	VEI ODED)	<u> </u>
	EROSION CONTROL QUANT	IIIES (DI DI	-velopek)	
1.	CONCRETE WASHOUT	EA	1	
2.	CONSTRUCTION ENTRANCE	EA	<u>-</u>	
3.	SILT FENCE	LF	1297	
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KEFEREN(CED SEWER STANDARD DETAILS			

PUBLIC WASTEWATER MAIN PLANS TO SERVE OU TRANSPORTATION RESEARCH LAB A PART OF THE NW/4 SEC. 8, T8N, R2W, I.M., AN ADDITION TO NORMAN, CLEVELAND COUNTY, OKLAHOMA



- 1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE MOST RECENT VERSION OF THE CITY OF NORMAN'S STANDARD SPECIFICATIONS AND TITLE 252 OKLAHOMA ADMINISTRATIVE CODES.
- 2. SEPARATION OF OF WATER MAINS AND SEWER MAINS SHALL BE IN ACCORDANCE TO ODEQ 252:626-5-4(C).
- 3. LEAKAGE TEST SHALL BE IN ACCORDANCE TO ODEQ 252:626-5-5-(b).
- MANHOLES AND WYE SERVICES MUST SIT OUTSIDE OF PAVING FOR SIDEWALKS AND DRIVEWAYS.
- 5. CONTRACTOR SHALL "CALL OKIE" AT 811 STATEWIDE OR 1-800-654-8249 OUT-OF-STATE FOR INFORMATION ON UNDERGROUND 18. ALL SANITARY SEWER BYPASS LINES SHALL BE FREE FROM ANY LEAKS AS TO ELIMINATE CONTAMINATION DURING BYPASS UTILITIES PRIOR TO ANY EXCAVATION.
- 6. THE CONTRACTOR MAY REQUEST SUBSTITUTION OF ALTERNATE METHODS OF CONSTRUCTION FROM THAT CALLED FOR, SUBJECT TO APPROVAL BY THE ENGINEER. THE CONTRACTOR SHALL THEN BE PAID THE LESSOR OF THE SUM OF THE ASSOCIATED BID ITEMS FOR THE RESPECTIVE ALTERNATIVE METHODS.
- WORK THAT DOES NOT HAVE A PAY ITEM WILL BE CONSIDERED INCIDENTAL WITH THE COST INCLUDED IN OTHER PAY ITEMS. NO ADDITIONAL COMPENSATION WILL BE PROVIDED.
- 8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE GPS "AS-BUILT" SURVEY, FOLLOWING THE COMPLETION OF CONSTRUCTION, FOR EVERY 100 FEET ALONG THE ALIGNMENT OF THE PROJECT. LOCATION OF MANHOLES, RIM ELEVATIONS, AND COORDINATE DATA SHEET SHALL BE SUBMITTED TO THE PRIVATE DEVELOPMENT DIVISION FOR APPROVAL. ALL DRAWINGS MUST BE SIGN AND CERTIFIED BY A REGISTERED PROFESSIONAL LAND SURVEYOR. DATA SUBMITTED SHALL BE TIED TO THE OKLAHOMA STATE PLANE COORDINATE SYSTEM.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING STRUCTURES, FENCES, AND LANDSCAPING NOT SHOWN TO BE REMOVED AND SHALL BE RESPONSIBLE FOR THE COST OF ANY REPAIRS TO THESE ITEMS UPON COMPLETION OF CONSTRUCTION.
- 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MANAGING ALL SANITARY SEWER FLOW AND WATERLINE SERVICE DURING CONSTRUCTION IN A MANNER APPROVED BY THE CITY OF OKLAHOMA CITY, AND ALL COSTS SHALL BE INCLUDED IN PRICE BID
- TYPE 'A' AGGREGATE BACKFILL SHALL BE PLACED IN ALL DITCHES UP TO GROUND LEVEL WHERE LINES CROSS UNDER PROPOSED OR EXISTING PAVING. TYPE 'A' AGGREGATE BACKFILL SHALL BE COMPACTED IN ACCORDANCE WITH THE CITY OF NORMAN'S STANDARD SPECIFICATIONS. THE MAXIMUM PAY QUANTITY FOR TYPE 'A' AGGREGATE BACKFILL IS THAT QUANTITY REQUIRED TO FILL A NEAT MINIMUM WIDTH DITCH, LISTED IN THE TRENCH WIDTH DETAIL, FROM THE FLOWLINE OF THE PIPE TO THE PAVEMENT SUBGRADE ELEVATION TO 5' BACK OF CURB ON EACH SIDE OF THE STREET. ANY ADDITIONAL TYPE 'A' AGGREGATE REQUIREMENTS ARE CONSIDERED INCIDENTAL.
- 12. ANY SUBDIVISION ENTRY SIGN, MARQUEE, SIGN, FENCE, STRUCTURE, ETC. THAT WILL BE OVER ANY PROPOSED WATER AND/OR WASTEWATER MAIN. THE MAIN MUST BE STEEL ENCASED A MINIMUM OF 20 FEET AND EXTEND 5 FEET BEYOND THE EDGE OR FOOTING OF SIGN. FOR ANY EXISTING MAINS, CONCRETE ENCASE EXISTING MAINS AS REQUIRED. A REVOCABLE PERMIT IS REQUIRED TO ALLOW THESE TO BE IN THE ROW AND/OR UTILITY EASEMENT.

EROSION CONTROL NOTES

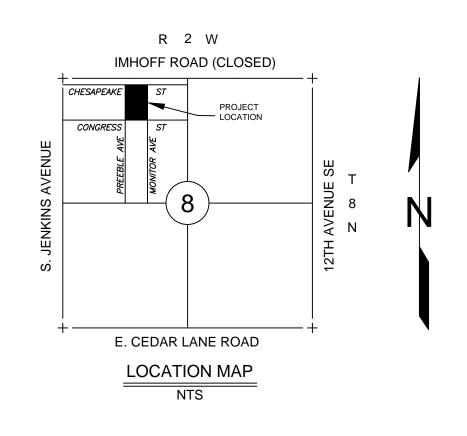
- 13. THE USGS 7.5 MINUTES QUADRANGLE SHEETS ARE USED TO INDICATE THE "WATERS OF THE UNITED STATES" AND "WETLANDS" EXIST WITHIN THIS PROJECT AREAS. THE ISSUE OF "WATERS OF THE UNITED STATES" AND "WETLANDS" FALLS UNDER THE CORP OF ENGINEERS (COE) TULSA DISTRICT REGULATORY DIVISION, BUT THE CITY IS OBLIGATED TO ENSURE THAT ALL NECESSARY STATE AND FEDERAL PERMITS HAVE BEEN OBTAINED, PURSUANT TO 40CFR 60.3 THEREFORE, THE APPLICANT IS REQUIRED TO SUBMIT DOCUMENTATION FROM THE COE SHOWING COE APPROVAL FOR PROPOSED WORK, IF APPLICABLE.
- 14. LIST EROSION CONTROL QUANTITIES AND WHO WILL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF THE **EROSION CONTROLS.**

- 15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF ALL EROSION CONTROL DEVICES DAMAGED DUE TO CONSTRUCTION.
- 16. A COPY OF THE EROSION CONTROL SITE PLAN MUST ALWAYS BE ON SITE AND MADE AVAILABLE TO THE INSPECTOR UPON
- 17. BLOCK OFF ACCESS OR ADD CONSTRUCTION ENTRANCE.
- OPERATIONS.
- 19. A MINIMUM OF 18" OF SOD IS REQUIRED ALONG ALL CURBS & FLUMES.
- 20. A NOTICE OF INTENT (NOI) AND STORM WATER POLLUTION PREVENTION PLAN (SWPPP) SHOULD BE SUBMITTED 30 DAYS PRIOR TO THE INITIAL DISTURBANCE OF SOILS.

TRAFFIC NOTES

- INVERTS, CASINGS, VALVES, METERS, PUMPS, AND SIMILAR APPURTENANCES SHALL BE LOCATED. AN AUTOCAD DRAWING 21. THE CONTRACTOR IS RESPONSIBLE FOR THE PROMPT REPLACEMENT AND/OR REPAIR OF ALL TRAFFIC CONTROL DEVICES AND APPURTENANCES DAMAGED OR DISTURBED DUE TO CONSTRUCTION.
 - 22. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ALL PAVEMENT MARKINGS THAT WILL BE IN CONFLICT WITH THE
 - 23. THE CONTRACTOR SHALL CONTACT THE CITY OF NORMAN TRAFFIC OPERATIONS FOR THE MARKING OF TRAFFIC SIGNAL CONDUIT AND APPURTENANCES AT LEAST TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION AND/OR PLACING OR REMOVING ANY BARRICADES OR MODIFYING EXISTING TRAFFIC CONTROL DEVICES.
 - ALL TRAFFIC CONTROL DEVICES SHALL BE PLACED, RELOCATED, OR REMOVED BY THE CONTRACTOR WHEN REQUIRED. THE COST OF SAID WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR "TRAFFIC CONTROL".

The City of **NORMAN**



SHEET INDEX

DESCRIPTION PUBLIC SANITARY SEWER GENERAL LAYOUT SANITARY SEWER PLAN & PROFILE

facilities, mains, and appurtenances by Norman is only for conformance with Norman design requirements or standards. Norman takes no responsibility for any errors or omissions within the plans or for construction in conformance with the plans and easements. The Professional Engineer that sealed the approved plans and specifications must prepare and submit any revisions or modifications to Norman for review and approval. The Developer and/or their representative is responsible for ensuring that construction is completed in conformance with the approved plans and specifications.

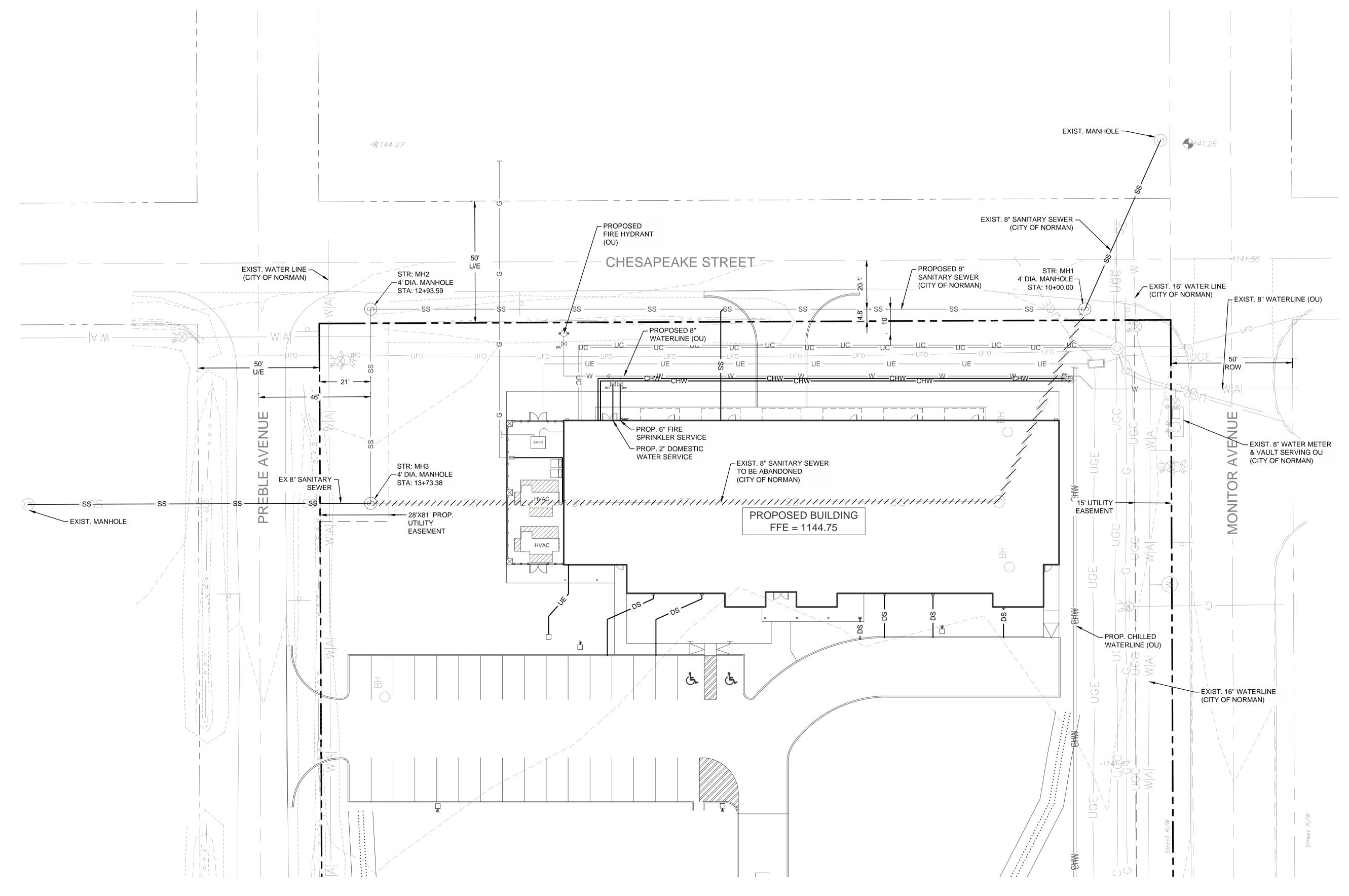
ONE CALL UTILITY LOCATION NUMBER

840-5032 1-800-522-6543 This number is to be used for information on the location of all underground utilities. Contact this number and other numbers specified in the plans prior to any excavation.



structural civil landscape survey 410 north walnut ave, suite 200 oklahoma city, oklahoma 73104 405.236.5858

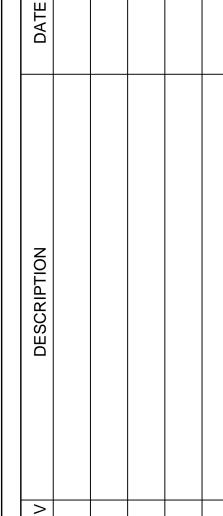
PREPARED BY:	CONSTRUCTION MUST BEGIN WITHIN ONE (1) YEAR FROM THE DATE OF APPROVAL, OR THAT APPROVAL IS WITHDRAWN.		
CHRISTOPHER R. SAVAGE (OK P.E. 19577) Date: 10.10.2024	DEPARTMENT OF PUBLIC WORKS ENGINEERING PRIVATE DEVELOPMENT DIVISION		
REGISTERED PROFESSIONAL ENGINEER			
DATE: <u>EXP. 01.31.2025</u>	Checked by: Date:		
OFESSION	Checked by: Date:		
CHRISTOPHER R. SAVAGE 19577	Checked by: Date:		
OYZ A HOMA	DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION		
	APPROVED:		
	Date:		
	SCOTT STURTZ, P.E., DIRECTOR PUBLIC WORKS / CITY ENGINEER		
OU TRANSPORTATION RESEARCH LAB			





CAUTION NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THE LOCATION AND ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES.



DATE 10/10/24 PROJECT NO. 2380015 SHEET NAME

SANITARY SEWER

PLAN & PROFILE

SHEET NO.



