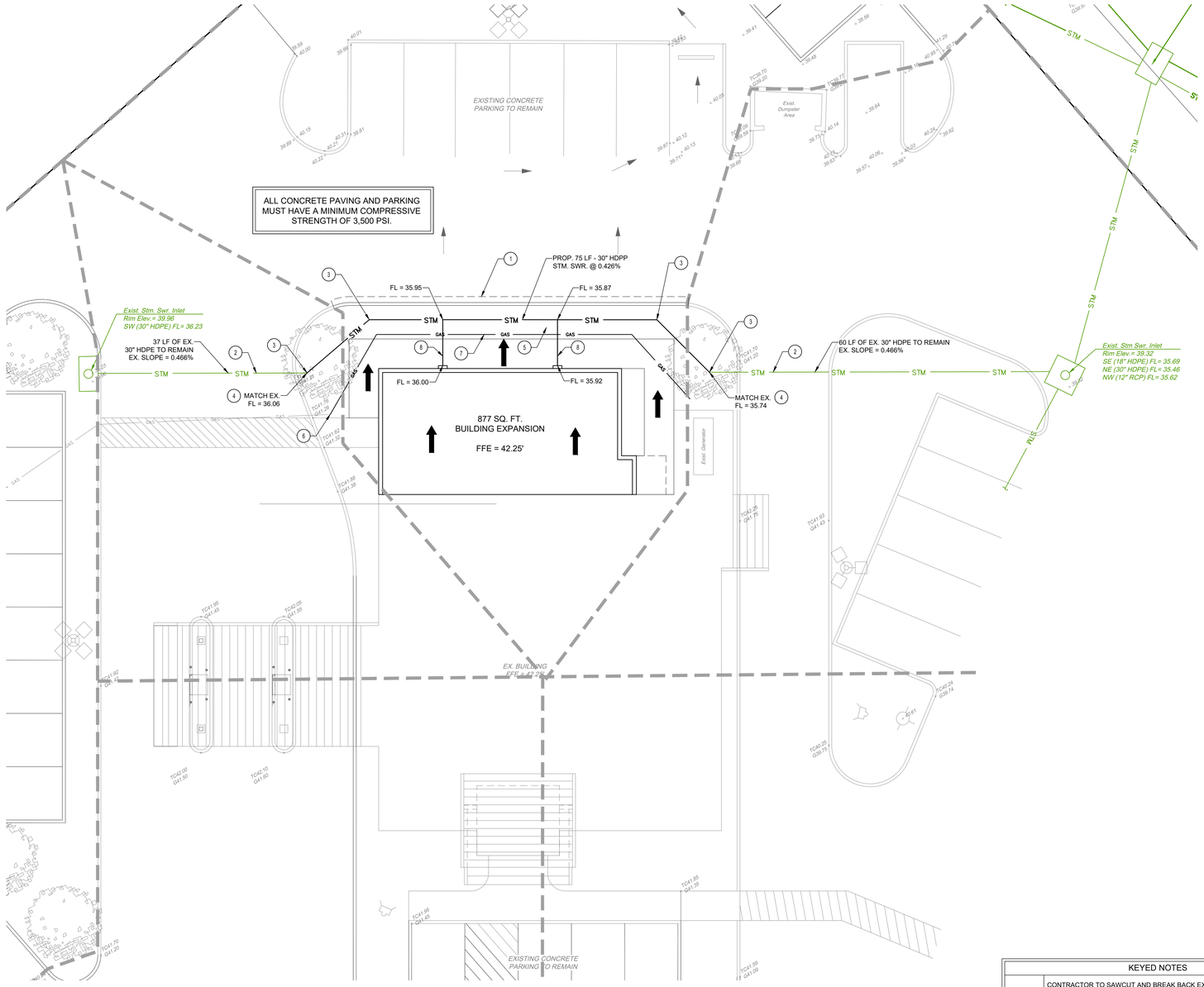
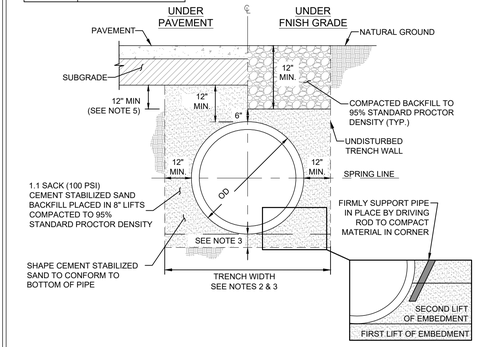


TOPOGRAPHIC LEGEND	
	POWER POLE
	GUY ANCHOR
	SANITARY SEWER MANHOLE
	CLEANOUT
	WATER VALVE
	WATER METER
	ROAD SIGN
	LIGHT POLE
	FIRE HYDRANT
	YIELD SIGN
	STORM SEWER MANHOLE
A	AT&T TELEPHONE PEDESTAL
T	TELEPHONE PEDESTAL
	TREE

KEYED NOTES	
1	CONTRACTOR TO SAWCUT AND BREAK BACK EXISTING PAVEMENT. EXPOSE REBAR A MINIMUM OF 12" AS REQUIRED FOR INSTALLATION OF 30" PIPE. RESTORE PAVEMENT AND TIE REBAR AS REQUIRED TO CONNECT PROPOSED PAVEMENT TO EXISTING PAVEMENT. RESTORED PAVEMENT TO MATCH EXISTING THICKNESS AND REINFORCEMENT.
2	CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF EXISTING 30" STORM PIPE PRIOR TO CONSTRUCTION.
3	30" HDPP STORM PIPE DEFLECTION SHOWN USING 45° BENDS. CONTRACTOR TO PROVIDE MANUFACTURED HDPP FITTINGS. ALL PIPE JOINTS AND FITTINGS SHALL BE GASKETED AND WATERTIGHT IN ACCORDANCE WITH MANUFACTURER REQUIREMENTS. PROVIDE BEDDING, SIDE SUPPORT, AND COMPACTION AT ALL BENDS IN ACCORDANCE WITH CITY OF LUMBERTON SPECIFICATIONS AND MANUFACTURER RECOMMENDATIONS.
4	CONTRACTOR SHALL VERIFY FIT, ALIGNMENT, AND CLEARANCES PRIOR TO INSTALLATION.
5	CONTRACTOR TO MAINTAIN MINIMUM 12" VERTICAL AND 24" HORIZONTAL CLEARANCE FROM EXISTING GAS LINE UNLESS OTHERWISE APPROVED BY THE GAS UTILITY.
6	CONTRACTOR TO REROUTE EXISTING GAS LINE.
7	CONTRACTOR SHALL COORDINATE RELOCATION OF EXISTING GAS LINE WITH PROPERTY OWNER AND GAS UTILITY PROVIDER. RELOCATION SHALL BE PERFORMED IN ACCORDANCE WITH GAS UTILITY PROVIDER AND CITY OF LUMBERTON REQUIREMENTS.
8	PROPOSED 8 LF – 8" HDPP @ 0.55%. CONTRACTOR SHALL CONNECT ALL DOWNSPOUTS WITH 6" PVC PIPE TO THESE 8" UNDERGROUND STORM SEWER PIPES. REFER TO ARCHITECTURAL PLANS FOR DOWNSPOUT SIZE AND LOCATION.

"X"	STM.SWR. PIPE SIZE
6"	> 24"
10"	24" - 36"
12"	> 42"



GENERAL NOTES:

1. WHERE SOIL CONDITIONS REQUIRE, THE ENGINEER MAY ORDER USE OF GRANULAR MATERIAL IN LIEU OF CEMENT STABILIZED SAND BEDDING.
2. MIN TRENCH WIDTH SHALL BE PIPE OD PLUS 18" MIN.
3. MAX TRENCH WIDTH SHALL NOT BE GREATER THAN MIN TRENCH WIDTH PLUS 24 INCHES, UNLESS OTHERWISE NOTED.
4. SELECT BACKFILL FOR RIGID PAVEMENT; FLEXIBLE BASE MATERIAL FOR ASPHALT PAVEMENT.
5. THE METHOD OF INSTALLING CONCRETE PIPE STORM SEWERS SHOWN HEREON TO BE USED ONLY WHERE SOIL CONDITIONS ARE SATISFACTORY. FOR ALL OTHER SOIL CONDITIONS CONTACT GEOTECHNICAL ENGINEER.
6. BACKFILL MATERIAL OUTSIDE OF PAVEMENT AREA SHALL BE SUITABLE ON-SITE MATERIAL. IF ON-SITE MATERIAL IS UNACCEPTABLE, MIXING 1-FOOT OF EXCAVATION MATERIALS FROM THE SITE TO OBTAIN ACCEPTABLE SOIL CLASSIFICATION FROM TRENCH BACKFILL IS ALLOWED WITH APPROVAL ENGINEER.

STORM SEWER BEDDING AND BACKFILL

N.T.S.

LEGEND	
	PROPERTY LINE
	DRAINAGE AREA BOUNDARY
	EXISTING DRAINAGE PATTERN TO REMAIN
	PROPOSED DRAINAGE PATTERN

STORM SEWER AND GRADING CONSTRUCTION NOTES

1. ALL PROPOSED STORM SEWERS 12 INCHES AND LARGER SHALL BE CORRUGATED HIGH DENSITY POLYPROPYLENE PIPE (HDPP) WITH SMOOTH INTERIOR WITH GASKET JOINTS FOR SITE DRAINAGE.
2. ALL STORM SEWERS TO RECEIVE BEDDING AND BACKFILL IN ACCORDANCE WITH THE DETAILS ABOVE.
3. CONTRACTOR TO ALLOW A MINIMUM OF 1-FOOT VERTICAL CLEARANCE BETWEEN STORM SEWER AND OTHER EXISTING OR PROPOSED UTILITIES.
4. UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY EXISTING UTILITY LOCATIONS PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY ENGINEER OF ANY CONFLICT OR DISCREPANCIES.
5. CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE ANY EXISTING ITEMS ON SITE. ANY DAMAGE SHALL BE REPAIRED OR REPLACED AT CONTRACTOR'S EXPENSE.
6. CONTRACTOR SHALL ENSURE THERE IS POSITIVE DRAINAGE FROM THE PROPOSED PAVEMENT IMPROVEMENTS, AND SHALL NOTIFY ENGINEER IF ANY GRADING DISCREPANCIES ARE FOUND IN THE EXISTING AND PROPOSED GRADES PRIOR TO PLACEMENT OF PAVEMENT AND UTILITIES.
7. ALL SIDEWALKS AND ACCESSIBLE ROUTES, INCLUDING DRIVEWAY CROSSWALKS, SHALL CONFORM TO ALL APPLICABLE AMERICANS WITH DISABILITIES ACT STANDARDS AND THE TEXAS ACCESSIBILITY STANDARDS. IF ANY DISCREPANCY IS DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO POURING ANY PAVEMENT.
8. ALL STORM SEWER CONNECTIONS SHALL BE WATERTIGHT. CONTRACTOR TO PROVIDE MANUFACTURER-APPROVED COUPLINGS OR ADAPTERS FOR CONNECTION TO EXISTING HDPE PIPE.

GRAPHIC SCALE

10 0 5 10 20

(IN FEET)
1 inch = 10 ft.

TEMPORARY BENCHMARK "A": ELEV: 38.51'

BEING A RAILROAD SPIKE EMBEDDED IN A POWER POLE. IT IS LOCATED ±110' FROM THE NORTHWESTERN CORNER OF THE PROPERTY. IT IS ALSO LOCATED ±90' FROM THE NORTHEASTERN CORNER OF THE PROPERTY.

TEMPORARY BENCHMARK "B": ELEV: 39.74'

BEING THE SOUTHWESTERN CORNER OF A STORM SEWER MANHOLE. IT IS LOCATED ±60' FROM THE SOUTHWESTERN CORNER OF THE PROPERTY. IT IS ALSO LOCATED ±135' FROM THE SOUTHEASTERN CORNER OF THE PROPERTY.

FLOOD STATEMENT:

THIS PROPERTY LIES WITHIN ZONE "X-UNSHADED"; AREAS DETERMINED TO BE OUTSIDE 500-YEAR FLOODPLAIN PER THE FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NO. 48199C0530F WHICH BEARS AN EFFECTIVE DATE OCTOBER 6, 2010.

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STATE OF TEXAS
JUSTIN A. SCHRADER
103758
LICENSED
PROFESSIONAL ENGINEER
APR 30 2026

DATE	REVISION
04/30/2026	ISSUE FOR PERMIT AND BID

CONSTRUCTION PLANS FOR
NECHES FEDERAL CREDIT UNION
- LUMBERTON BRANCH
BUILDING ADDITION
(PRIVATE ON-SITE)
PAVING & DRAINAGE FACILITIES

299 COUNTRY LANE DRIVE,
LUMBERTON, TEXAS 77657

DRAINAGE PLAN

PRO-E PROJECT NO.: 1018-0015

SUBMITTED:
SCALE: 1" = 10'
DATE: APRIL, 2026
SURVEYED BY:

DESIGNED BY: JAS
DRAWN BY: KHL/PB
SHEET NO. C6 OF C10
CITY DWG NO:

PRIVATE PLANS - NECHES FEDERAL CREDIT UNION - LUMBERTON BRANCH BUILDING ADDITION; PROJECT NUMBER: : 1018-0015

Date\Time : Thu, 30 Apr, 2026 – 8:33am User Name : kendr
Path\Name : C:\Users\kendr\OneDrive - proe.consulting (1)\Projects\1018 – SLI Group\0015 – Neches FCU_Lumberton\2 CAD\Private Phase 3\C6 DRAINAGE PLAN.dwg