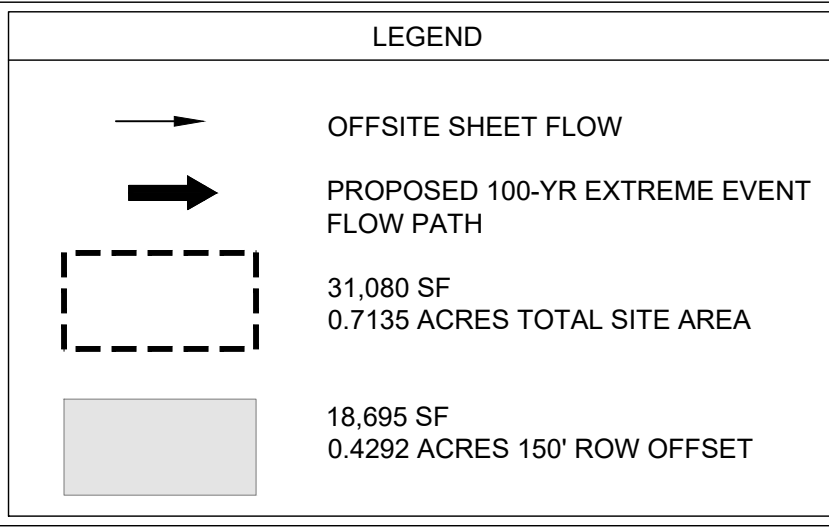


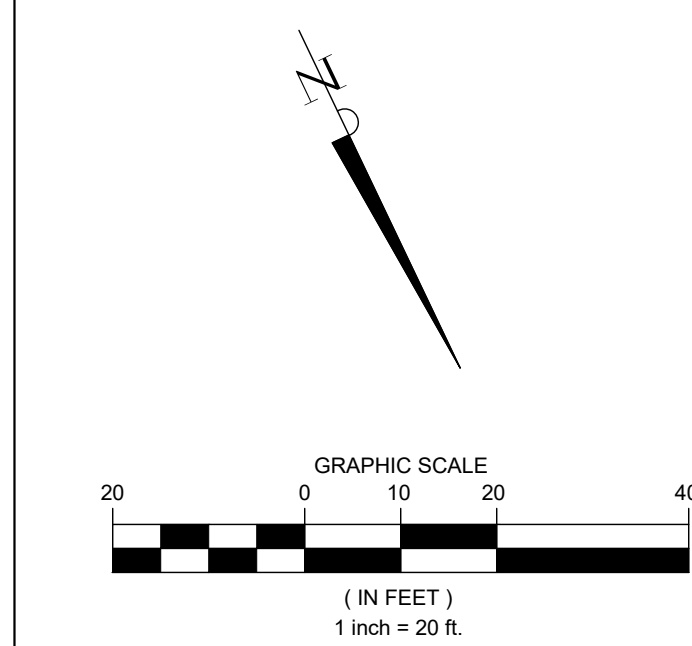
**KNOW WHAT'S BELOW.
 CALL BEFORE YOU DIG. CALL 811!!**

**CAUTION!!
 EXISTING GAS FACILITIES IN AREA**

- EXISTING UTILITIES, FACILITIES & TREES NOTES:**
1. CONTRACTOR SHALL FIELD VERIFY LOCATION AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION OF PROPOSED FACILITIES. NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
 2. CONTRACTOR SHALL NOTIFY THE APPROPRIATE UTILITY COMPANY 48 HOURS PRIOR TO EXCAVATING NEAR THEIR UTILITY.
 3. CONTRACTOR SHALL TAKE ALL DUE PRECAUTIONS TO PROTECT EXISTING FACILITIES FROM DAMAGE. ANY DAMAGE TO EXISTING FACILITIES INCURRED AS A RESULT OF CONSTRUCTION OPERATIONS WILL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE.
 4. CONTRACTOR SHALL TAKE EXTRA CARE TO PROTECT TREES IN AREAS ADJACENT TO CONSTRUCTION.



Total Site Area	= 0.7135 AC	= 31,080 SF
Site Area (150-FT into Site)	= 0.4292 AC	= 18,695 SF
Existing Impervious Cover Analysis		
Existing Grass	= 6,179 SF	C1 = 0.2
Existing Pavement	= 19,094 SF	C2 = 0.9
C _a	= 0.039762	
C	= 0.65	(applied to 150-ft into property along site frontage)
Proposed Impervious Cover Analysis		
Proposed Grass	= 1,644 SF	C1 = 0.2
Proposed Pavement	= 3,243 SF	C2 = 0.9
C _w	= 0.10	
Rainfall Intensity, I		
I ₂	= 5.76 in/hr	
I ₁₀	= 8.39 in/hr	
I ₁₀₀	= 12.40 in/hr	
Allowable Site Discharge (C=0.65, A=0.727 AC)		
Q ₂	= 1.61 CFS	
Q ₁₀	= 2.34 CFS	
Q ₁₀₀	= 3.46 CFS	
Proposed Site Discharge (C=0.26, A=1.481 AC)		
Q ₂	= 0.43 CFS	
Q ₁₀	= 0.63 CFS	
Q ₁₀₀	= 0.92 CFS	



BENCHMARK NOTE:
 ELEVATIONS SHOWN ARE NAVD88 ORTHOMETRIC HEIGHTS DERIVED USING GEOID18 AND ARE REFERENCED TO SMARTNET, NA.

BENCHMARK: TBM 1 ELEVATION: 74.50'
 TBM No. 1 IS A 60D NAIL IN ASPHALT ±32 FEET NORTHWEST FROM THE NORTHEAST PROPERTY CORNER AND ±11 FEET SOUTH FROM CENTERLINE OF EAST AVENUE N.

BENCHMARK: TBM 2 ELEVATION: 68.41'
 TBM No. 2 IS A 60D NAIL IN ASPHALT ±32 FEET NORTHWEST FROM THE SOUTHWEST PROPERTY CORNER AND ±48 FEET NORTH FROM CENTERLINE OF EAST AVENUE N.

FLOOD STATEMENT:
 IN ACCORDANCE WITH THE FLOOD INSURANCE RATE MAP OF THE FEDERAL EMERGENCY MANAGEMENT AGENCY, MAP REFERENCE SHOWN, THE SUBJECT TRACT LIES IN FLOOD ZONE "X". LOCATION ON MAP WAS DETERMINED BY SCALE.



DATE	REVISION

CONSTRUCTION PLANS FOR
NECHES FEDERAL CREDIT UNION - SILSBEE ITM
 (PRIVATE ON-SITE)
 PAVING, & DRAINAGE FACILITIES

135 HWY 327 E.,
 SILSBEE, TEXAS 77656

DRAINAGE ANALYSIS

PRO-E PROJECT NO.: 1018-0017	
SUBMITTED:	DESIGNED BY: KL
SCALE: 1" = 20'	DRAWN BY: SG
DATE: MARCH, 2026	SHEET NO. C7 OF C9
SURVEYED BY: SOUTEX SURVEYORS & ENGINEERS	CITY DWG NO.: