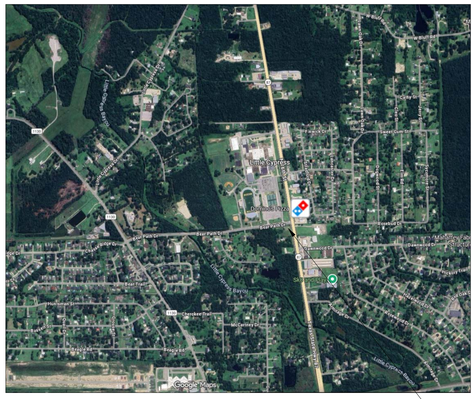
Neches FCU - Little Cypress ITM

7125 HWY 87 N
ORANGE, TX 77630

RENDERING



VICINITY MAP



PROJECT LOCATION

GENERAL

T-1.00	TITLE SHEET
A-0.10	ACCESIBILITY ELEMENT COMPLIANCE

CIVIL

C1	COVER SHEET
C2	TOPOGRAPHIC SURVEY (FOR REFERENCE ONLY)
C3	DEMOLITION PLAN
C4	OVERALL SITE & DIMENSION CONTROL PLAN
C5	GRADING & DRAINAGE PLAN
C6	PAVING & CONTROL JOINT PLAN
C7	STORM WATER POLLUTION PREVENTION MAP
C8	STORM WATER POLLUTION PREVENTION MAP DETAILS
C9	CONSTRUCTION DETAILS

ARCHITECTURAL SITE

SP-1.00	OVERALL SITE
SP-1.01	SITE DEMO PLAN
SP-1.10	SITE PLAN
SP-1.20	LANDSCAPE PLAN
SP-2.00	ITM KIOSK DETAILS
SP-2.01	ITM KIOSK DETAILS
SP-2.10	ITM ENCLOSURE
SP-2.20	BANK EQUIPEMENT
SP-3.00	SITE SIGNAGE

ELECTRICAL

MEP1.01	MEP SPECIFICATIONS
MEP1.02	MEP SPECIFICATIONS
E0.01	ELECTRICAL INFORMATION SHEET
E1.01	ELECTRICAL SITE PLAN
E1.02	PHOTOMETRICS - ATM
E1.03	PHOTOMETRICAL - SITE
E2.01	ELECTRICAL SCHEDULES

MARCH 03, 2026: ISSUED FOR BID AND PERMIT

BUILDING CODE AND PROJECT INFORMATION

SCOPE OF WORK
COMPLETE INSTALLATION OF A SINGLE DRIVE THRU LANE ITM KIOSK INCLUDING SITEWORK, PAVING, AND SITE LIGHTING.

BUILDING CODE
2021 IBC WITH CITY OF ORANGE AMENDMENTS
2021 NEC WITH CITY OF ORANGE AMENDMENTS
2023 IECC WITH CITY OF ORANGE AMENDMENTS

OCCUPANCY CLASSIFICATION, EGRESS & OCCUPANT LOADS

OCCUPANCY TYPE:	U-MISCELLANEOUS
CONSTRUCTION TYPE:	VB
STRUCTURE HEIGHT:	13'-9" FT
STRUCTURE FOOT PRINT:	297 S.F

TDLR FILE NUMBER EAB PROJECT NUMBER:
TABS2026014009

SITE

CURRENT ZONING:
PROPOSED ZONING:

REQUIRED SET BACKS
FRONT:25'-0"
BACK: 0'-0"
SIDES:

ABBREVIATIONS

ABBR	DEFINITION	ABBR	DEFINITION
AC	AIR CONDITIONER	INCL	INCLUDING
ACT	ACOUSTICAL CEILING TILE	INS	INSULATION
ADD	ADDITIONAL	INT	INTERIOR
ADJ	ADJACENT	JAN	JANITOR
AFF	ABOVE FINISH FLOOR	JC	JANITOR'S CLOSET
AFC	AT FINISH CEILING	JT	JOINT
ALUM	ALUMINUM	LP	LOW POINT
ARCH	ARCHITECTURAL	LAM	LAMINATED
BD	BOARD	LAV	LAVATORY
BFF	BELOW FINISH FLOOR	LTG	LIGHTING
BLDG.	BUILDING	MAX	MAXIMUM
BLKG	BLOCKING	MBM	METAL BUILDING MANUFACTURER
BM	BEAM	MECH	MECHANICAL
BO	BOTTOM OF	MEMB	MEMBRANE
BRG	BEARING	MFR	MANUFACTURER
CBD	CHALKBOARD	MIN	MINIMUM
CI	CAST IRON	MISC	MISCELLANEOUS
CIP	CAST-IN-PLACE	MO	MASONRY OPENING
CJ	CONTROL JOINT	MTL	METAL
CL	CENTERLINE	NIC	NOT IN CONTRACT
CLG	CEILING	NO	NUMBER
CLR	CLEAR	NTS	NOT TO SCALE
CLO	CLOSET	OC	ON CENTER
CMU	CONCRETE MASONRY UNIT	OHD	OVERHEAD DOOR
CONT	COLUMN	OPNG	OPENING
CONC	CONCRETE	OPP	OPPOSITE
CONT	CONTINUOUS	OPP.HD.	OPPOSITE HAND
CPT	CARPET	PART	PARTITION
CT	CERAMIC TILE	PC	PRECAST
DET	DETAIL	PEMB	PRE-ENGINEERED METAL BUILDING
DF	DRINKING FOUNTAIN	PLAM	PLASTIC LAMINATE
DIA	DIAMETER	PT	PRESSURE TREATED
DN	DOWN	PTD	PAINTED
DR	DOOR	PVC	POLYVINYL CHLORIDE
DWG	DRAWING	QT	QUARRY TILE
EA	EACH	QTY	QUANTITY
EJ	EXPANSION JOINT	R	RADIUS or RISER
ELEC	ELECTRICAL	RA	RETURN AIR
ELEV	ELEVATION or ELEVATOR	RD	ROOF DRAIN
EXT	EXTERIOR	REF	REFERENCE
EQ	EQUAL	REINF	REINFORCING or REINFORCED
EQUIP	EQUIPMENT	REQ	REQUIRED
EXIST	EXISTING	REV	REVISION
FD	FLOOR DRAIN	RM	ROOM
FDN	FOUNDATION	RO	ROUGH OPENING
FE	FIRE EXTINGUISHER	RTU	ROOF TOP UNIT
FEC	FIRE EXTINGUISHER CABINET	SECT	SECTION
FF	FINISH FLOOR	SIM	SIMILAR
FFE	FINISH FLOOR ELEVATION	SPEC	SPECIFICATION
FFT	FINISH FLOOR TRANSITION	SQ	SQUARE
FIN	FINISH	SSTL	STAINLESS STEEL
FIXT	FIXTURE	STD	STANDARD
FR	FIRE-RATED	STL	STEEL
FRP	FIBERGLASS REINFORCED PLASTIC	STRUC	STRUCTURAL
FRT	FIRE RETARDANT TREATED	SUSP	SUSPENDED
FT	FOOT	T	TREAD
FV	FIELD VERIFY	TBD	TO BE DETERMINED or TACKBOARD
GA	GAUGE	TD	TRENCH DRAIN
GALV	GALVANIZED	TO	TOP OF
GC	GENERAL CONTRACTOR	TOC	TOP OF CONCRETE
GL	GLASS	TOS	TOP OF STEEL
GYP BD	GYPSUM BOARD	TOW	TOP OF WALL
HC	HANDICAP ACCESSIBLE	THK	THICK
HDW	HARDWARE	TYP	TYPICAL
HGT	HEIGHT	UNO	UNLESS NOTED OTHERWISE
HM	HOLLOW METAL	VCT	VINYL COMPOSITION TILE
HORIZ	HORIZONTAL	VERT	VERTICAL
HP	HIGH POINT	WD	WOOD
HVAC	HEATING, VENTILATION, AND AIR CONDITIONING	WDW	WINDOW
		WF	WIDE FLANGE
IN	INCH	WPR	WATERPROOFING

DRAWING SYMBOLS LEGEND

SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION
	NORTH ARROW	F3	PARTITION TYPE	A B / 1 2	COLUMN GRID
01 FLOOR PLAN 1/4"=1'-0"	DRAWING NAME, NUMBER, AND SCALE	4	WINDOW TYPE	CL	CENTERLINE
M4.0	ENLARGED DETAIL REFERENCE	600	DOOR IDENTIFICATION		BREAK LINE
A6.0	EXTERIOR ELEVATION	OFFICE 325	ROOM NAME ROOM NUMBER		SPOT ELEVATION
2 A7.0 / 2 A7.0	BUILDING SECTION	02/A10.0	INTERIOR ELEVATION		
3 A6.0	WALL SECTION	2'-0" / 2'-0"	DIMENSION LINES		
2X2.1	SECTION DETAIL		MATCH LINE		
FIRST FLOOR 0"	VERTICAL ELEVATION	3	REVISION NUMBER & AFFECTED AREA		
		FE	FIRE EXTINGUISHER		

TYPICAL MOUNTING HEIGHTS:

CONVENIENCE OUTLETS	15" (FLOOR TO BOTTOM OF BOX UNLESS OTHERWISE NOTED ON PLAN)
LIGHT SWITCHES	45" (FLOOR TO BOTTOM OF BOX)
FIRE ALARM PULL STATIONS	48" (FLOOR TO BOTTOM OF PULL)
TELEPHONE OUTLETS	15" (FLOOR TO BOTTOM OF BOX OR AS NOTED ON PLAN)
WALL TELEPHONE OUTLETS	45" (FLOOR TO BOTTOM OF BOX)
DATA CABLE OUTLETS	15" (FLOOR TO BOTTOM OF BOX)
SMOKE AND HEAT DETECTORS	CEILING MOUNTED

GENERAL NOTES:

1. NOTIFY ARCHITECT OF ANY DISCREPANCIES AND/OR OMISSIONS.
2. ALL WORK SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL ORDINANCES.
3. ALL DIMENSIONS ARE TO FINISHED FACE OF PARTITIONS.
4. ALL DOORS ON AN ACCESSIBLE ROUTE SHALL HAVE A MIN. 18" CLEAR ON THE PULL SIDE, A MIN. 12" CLEAR ON THE PUSH SIDE WHEN DOOR IS EQUIPPED WITH BOTH A LATCH AND CLOSER.
5. ALL DOORS TO RECEIVE NEW AMERICAN DISABILITIES ACT COMPLIANT HARDWARE.

PROJECT TEAM

ARCHITECT/CONTRACTOR
SLI GROUP
15810 PARK TEN PLACE, SUITE 300
HOUSTON, TEXAS 77084
713-465-4650

STRUCTURAL ENGINEER

SURVEYOR
SOUTEX
3737 Doctors Drive
Port Arthur, TX 77642

CIVIL ENGINEER
PRO E CONSULTING
1334 Brittmoore, Suite 2808
Houston, Tx 77043

MEP ENGINEER
EBE ENGINEERS
12603 Southwest Frwy, Ste 170
Stafford, Tx 77477

GEOTECHNICAL

SLI DESIGN, INC.
ARCHITECTURE PLANNING INTERIOR DESIGN
15810 PARK TEN PLACE, SUITE 300
HOUSTON, TEXAS 77084
713-465-4650
www.sligroup.com

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Neches FCU - Little Cypress ITM
7125 HWY 87 N
ORANGE, TX 77630
Project Number : 8976

	DATE
ISSUED FOR CLIENT APPROVAL	02.20.2026
ISSUED FOR BIDDING	03.03.2026
ISSUED FOR PERMIT	03.03.2026
ISSUED FOR CONSTRUCTION	

REVISIONS

MARK	DESCRIPTION	DATE

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PRINT DATE: 3/4/2026 9:09:15 AM

REGISTERED ARCHITECT THOMAS B. TAYLOR 14288 STATE OF TEXAS
03/03/2026

DRAWING TITLE
TITLE SHEET

DRAWN BY	RG
CHECKED BY	BL
APPROVED BY	TB
SHEET NO.	T-1.00

X:\Neches FCU - Little Cypress ITM\Drawing\Revit\Neches FCU - Little Cypress ITM_ V26_251204.rvt

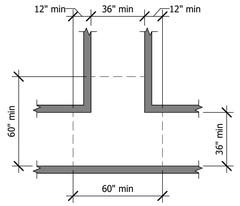


FIG. 304.3.2
T-SHAPED TURNING SPACE

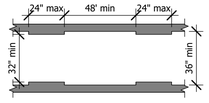
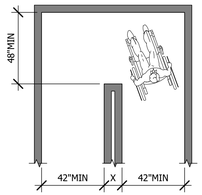


FIG. 403.5.1
CLEAR WIDTH OF AN ACCESSIBLE ROUTE



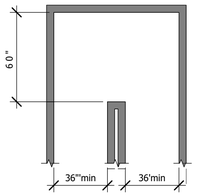


FIG. 403.5.2
CLEAR WIDTH AT TURN

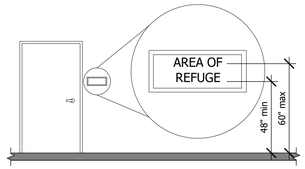


FIG. 703.4.1
HEIGHT OF TACTILE CHARACTERS ABOVE FINISH FLOOR OR GROUND

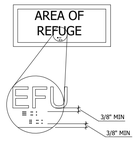


FIG. 703.3.2
POSITION OF BRAILLE

MEASUREMENT RANGE	MINIMUM IN INCHES MAXIMUM IN INCHES
DOT BASE DIAMETER	0.059" (1.5 MM) TO 0.063" (1.6 MM)
DISTANCE BETWEEN CORRESPONDING DOTS IN THE SAME CELL	0.090" (2.3 MM) TO 0.100 (2.5 MM)
DISTANCE BETWEEN CORRESPONDING DOTS DOTS IN ADJACENT CELLS	0.241 (6.1 MM) TO 0.300 (7.6 MM)
DOT HEIGHT	0.395 (10 MM) TO 0.400 (10.2 MM)
DISTANCE BETWEEN CORRESPONDING DOTS FROM ONE CELL DIRECTLY BELOW	0.395 (10 MM) TO 0.400 (10.2 MM)

TABLE 703.3.1
BRAILLE DIMENSIONS

MANEUVERING, TURNING & CLEAR FLOOR SPACE

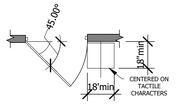


FIG. 703.4.2
LOCATION OF TACTILE SIGNS AT DOORS

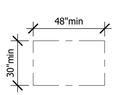


FIG. 305.3
CLEAR FLOOR OR GROUND SPACE

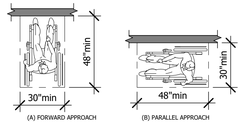


FIG. 305.5
POSITION OF CLEAR FLOOR OR GROUND SPACE

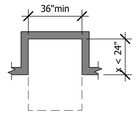


FIG. 305.7.1
MANEUVERING CLEARANCE IN AN ALCOVE, FORWARD APPROACH

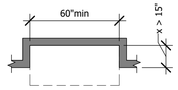


FIG. 305.7.2
MANEUVERING CLEARANCE IN AN ALCOVE, PARALLEL APPROACH

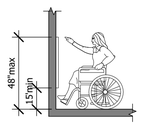


FIG. 308.2.1
UNOBSTRUCTED FORWARD REACH

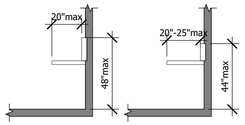


FIG. 308.2.2
OBSTRUCTED HIGH FORWARD REACH

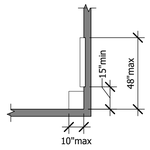


FIG. 308.3.1
UNOBSTRUCTED SIDE REACH

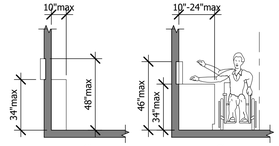


FIG. 308.3.2
OBSTRUCTED HIGH SIDE REACH

SEATING CLEARANCE, CLEAR FLOOR SPACE,APPROACHES, ALCOVES,& REACH RANGES

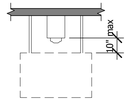


FIG. 704.2.1.1
PARALLEL APPROACH TO TELEPHONE

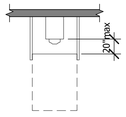


FIG. 704.2.1.2
FORWARD APPROACH TO TELEPHONE

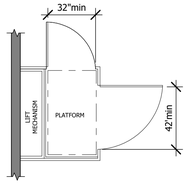


FIG. 410.6
PLATFORM LIFT DOORS AND GATE

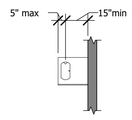


FIG. 602.5
DRINKING FOUNTAIN SPOUT LOCATION

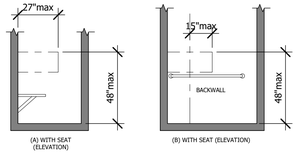


FIG. 608.5.3
ALTERNATE ROLL-IN TYPE SHOWER COMPARTMENT CONTROL LOCATION

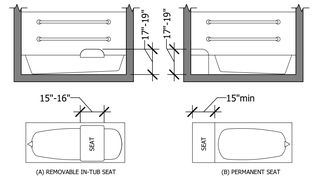


FIG. 610.2
BATHTUB SEATS

WATER FOUNTAINS, AND SERVING LINES HEIGHTS AT PHONES,

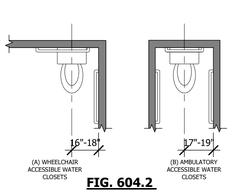


FIG. 604.2
WATER CLOSET LOCATION

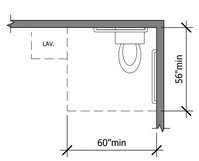


FIG. 604.3.1
SIZE OF CLEARANCE AT WATER CLOSETS

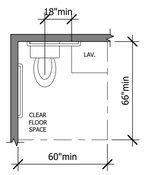


FIG. 604.3.2
(EXCEPTION)OVERLAP OF WATER CLOSET CLEARANCE IN (RESIDENTIAL UNITS)

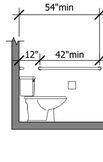


FIG. 604.5.1
SIDE WALL GRAB BAR AT WATER CLOSETS

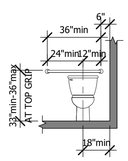


FIG. 604.5.2
REAR WALL GRAB BAR AT WATER CLOSETS

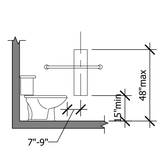


FIG. 604.7
DISPENSER OUTLET LOCATION

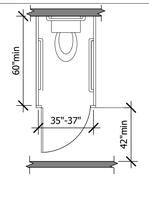
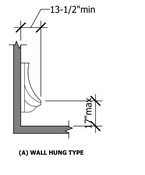


FIG. 604.8.2
AMBULATORY ACCESSIBLE TOILET COMPARTMENT



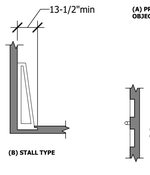


FIG. 605.2
HEIGHT AND DEPTH OF URINALS

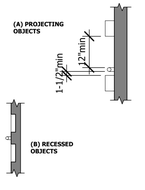


FIG. 609.3
SPACING OF GRAB BARS

LAVATORIES, WATER CLOSETS & TOILET STALLS

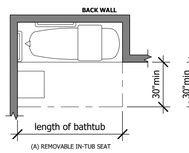


FIG. 607.2
CLEARANCE FOR BATHTUBS

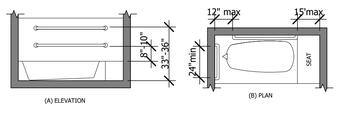


FIG. 607.4.1
GRAB BARS FOR BATHTUBS WITH PERMANENT SEATS

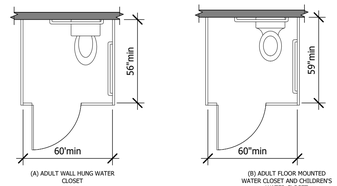


FIG. 604.8.1.1
SIZE OF WHEELCHAIR ACCESSIBLE TOILET COMPARTMENT

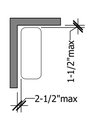


FIG. 610.3.1
RECTANGULAR SHOWER SEAT

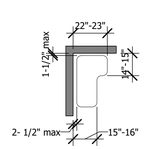


FIG. 610.3.2
L-SHAPED SHOWER SEAT

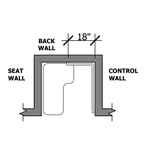


FIG. 608.3.1
GRAB BARS FOR TRANSFER TYPE SHOWERS

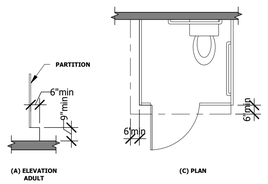


FIG. 604.8.1.4
WHEELCHAIR ACCESSIBLE TOILET COMPARTMENT TOE CLEARANCE

SINKS AND BATH TUBS WITH AND WITHOUT SEATS

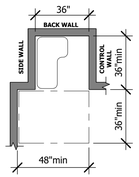


FIG. 608.2.1
SHOWER SIZE AND CLEARANCES 36" BY 36" STALL

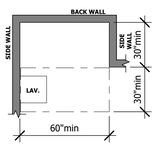


FIG. 608.2.2
STANDARD ROLL-IN TYPE SHOWER COMPARTMENT SIZE AND CLEARANCE

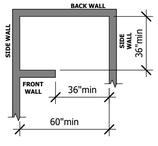


FIG. 608.2.3
ALTERNATE ROLL-IN TYPE SHOWER COMPARTMENT SIZE AND CLEARANCE

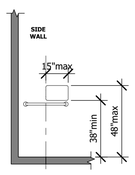


FIG. 608.5.1
TRANSFER TYPE SHOWER COMPARTMENT CONTROL LOCATION

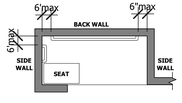


FIG. 608.3.3
GRAB BARS FOR ALTERNATE ROLL-IN TYPE SHOWERS

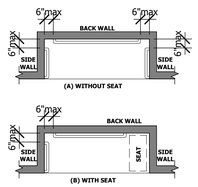
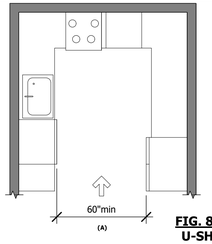


FIG. 608.3.2
GRAB BARS FOR STANDARD ROLL-IN TYPE SHOWERS



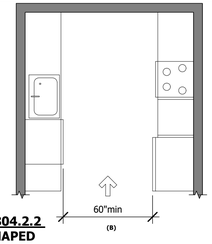


FIG. 804.2.2
U-SHAPED KITCHENS

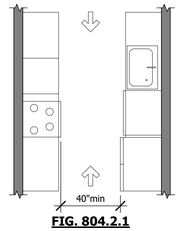


FIG. 804.2.1
PASS THROUGH KITCHENS

SHOWERS: ROLL IN & TRANSFER STALLS

X:\Neches FCU - Little Cypress ITM\Drawings\Revit\Neches FCU - Little Cypress ITM_ _V26_251204.rvt

SLI DESIGN, INC.
ARCHITECTURE PLANNING INTERIOR DESIGN
15810 PARK TEN PLACE, SUITE 300
HOUSTON, TEXAS 77084
713-465-4650
www.sligroup.com

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Neches FCU - Little Cypress ITM
7125 HWY 87 N
ORANGE, TX 77630
Project Number : 8976

	DATE
ISSUED FOR CLIENT APPROVAL	02.20.2026
ISSUED FOR BIDDING	03.03.2026
ISSUED FOR PERMIT	03.03.2026
ISSUED FOR CONSTRUCTION	

REVISIONS

MARK	DESCRIPTION	DATE

The information, ideas, designs, details, layouts, techniques, features, arrangements, plans, sequences, dimensions, allowances, tolerances, conceptions, specifications, intentions, technology or embodiments, as illustrated, arranged, displayed, noted, recorded, indicated, represented, disclosed, evidenced, detailed or otherwise reduced to tangible form hereon, either expressly, inherently or by implication, are the confidential and proprietary information of SLI Design, Inc., and shall not be used for any purpose other than the specific project or undertaking identified on the drawing title block or legend for which they are and have been prepared by SLI Design, Inc. Any other reproduction, disclosure or use of any portion of the confidential and proprietary information of SLI Design, Inc., shall be a breach of the obligation of confidence created by the acceptance of this drawing from SLI Design, Inc. for a specific project or Contract. Any copying, duplicating, reproducing, utilization, alteration, modification, revision or change to this drawing, is expressly prohibited unless done with the prior written consent or approval of SLI Design, Inc., and shall not be undertaken without receipt of such prior written approval. This drawing is loaned by SLI Design, Inc., for the limited purpose of complying with a specific Contract. The drawing remains the property of SLI Design, Inc., and shall be returned upon request or completion of the contract, unless specifically authorized by Contract, under which it was loaned.

PRINT DATE: 3/3/2026 12:10:09 PM

REGISTERED ARCHITECT THOMAS B. SLIMP 14288 STATE OF TEXAS
03/03/2026

DRAWING TITLE
ACCESIBILITY ELEMENT COMPLIANCE

DRAWN BY	RG	SHEET NO.
CHECKED BY	BL	A-0.10
APPROVED BY	TB	

CONSTRUCTION PLANS FOR

NECHES FEDERAL CREDIT UNION
- LITTLE CYPRESS ITM

(PRIVATE ON-SITE)

PAVING & DRAINAGE FACILITIES

7125 HWY 87 N,
ORANGE, TEXAS 77632

ProE PROJECT NO. 1018-0015

MARCH, 2026



LOCATION MAP
SCALE: N.T.S.

SHEET LIST TABLE	
SHEET NUMBER	SHEET TITLE
C1	COVER SHEET
C2	TOPOGRAPHIC SURVEY (FOR REFERENCE ONLY)
C3	DEMOLITION PLAN
C4	OVERALL SITE & DIMENSION CONTROL PLAN
C5	GRADING & DRAINAGE PLAN
C6	PAVING & CONTROL JOINT PLAN
C7	STORM WATER POLLUTION PREVENTION MAP
C8	STORM WATER POLLUTION PREVENTION MAP DETAILS
C9	CONSTRUCTION DETAILS



VICINITY MAP
SCALE: N.T.S.

OWNER:
NECHES FEDERAL CREDIT UNION
P.O. BOX 1118
PORT NECHES, TEXAS 77651-1118

SURVEYOR:
SOUTEX SURVEYORS & ENGINEERS
3737 DOCTORS DRIVE, PORT ARTHUR,
TEXAS 77642

DATE	REVISION

PRO·E CONSULTING
1334 Brittmoore Road
Suite # 2808
Houston, TX 77043
Firm License F-21665
www.proe.consulting

BENCHMARK NOTE:

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

TEMPORARY BENCHMARK "A" ELEV. 13.00'

BEING A 60D NAIL EMBEDDED WITHIN A POWER POLE LOCATED +/- 30' FROM THE NORTH EASTERN CORNER OF THE PROPERTY. IT IS ALSO LOCATED +/- 190' FROM THE NORTH WESTERN CORNER OF THE PROPERTY.

TEMPORARY BENCHMARK "B" ELEV. 12.47'

BEING A 60D NAIL EMBEDDED WITHIN ASPHALT LOCATED +/- 80' FROM THE NORTH WESTERN CORNER OF THE PROPERTY. IT IS ALSO LOCATED +/- 145' FROM THE NORTH EASTERN CORNER OF THE PROPERTY.

FLOOD STATEMENT:

THIS PROPERTY LIES WITHIN ZONE "X"; AREAS DETERMINED TO BE WITHIN 500-YEAR FLOODPLAIN PER THE FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NO. 48361C0070D WHICH BEARS AN EFFECTIVE DATE DECEMBER 16, 2021.

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

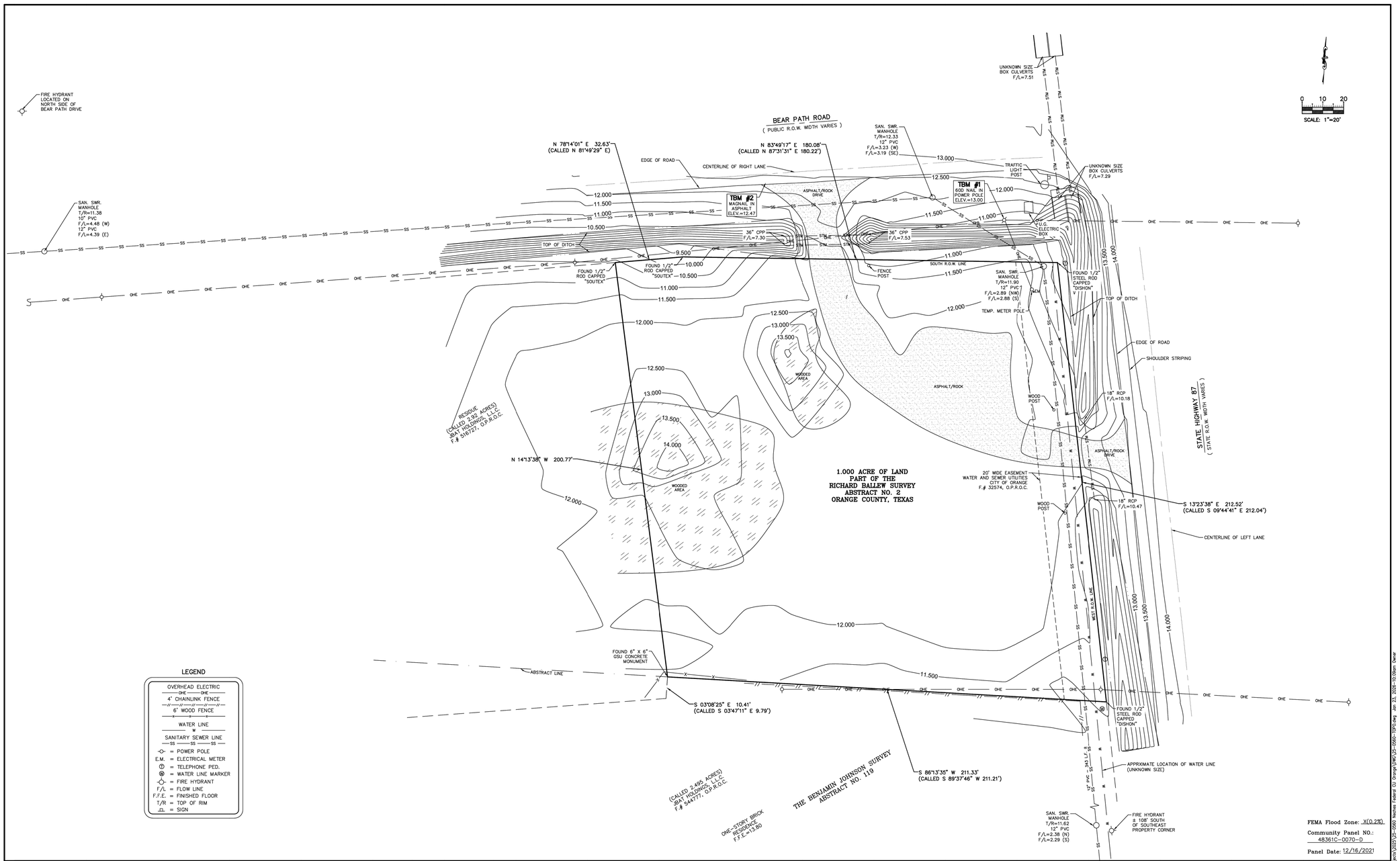
ONE-CALL NOTIFICATION
SYSTEM
CALL BEFORE YOU DIG!!!
(713)223-4567 (IN HOUSTON)
(NEW STATEWIDE NUMBER OUTSIDE HOUSTON)
1-800-344-8377

CAUTION!
EXISTING UNDERGROUND UTILITIES IN THE AREA CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REPAIRS TO EXISTING UTILITIES DUE TO DAMAGE INCURRED DURING CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES ON THE PLANS.

STATE OF TEXAS
STEPHEN R. HOBBS
109967
PROFESSIONAL ENGINEER
LICENSED
MAR 02 2026

PRIVATE PLANS - NECHES FEDERAL CREDIT UNION - LITTLE CYPRESS ITM Project Number: 1018-0016

Current Plotted: By:Cory
Name: C:\Users\Cory\Desktop\Projects\2026\1018-0015 - Neches FCU - Little Cypress ITM\Proe\(1) Proe\(1) Drwg\1018 - (1) Drwg\C1 COVER SHEET.dwg
Date\Time: Mon, 02 Mar 2026 - 2:36pm
Xref Name: C:\Users\Cory\Desktop\Projects\2026\1018-0015 - Neches FCU - Little Cypress ITM\Proe\(1) Proe\(1) Drwg\1018 - (1) Drwg\Xrefs\
Acad Version: R25.1
User Name: cwolf



FEMA Flood Zone: X(0.2%)

Community Panel NO.: 48361C-0070-D

Panel Date: 12/16/2021

LEGEND

- OVERHEAD ELECTRIC — OHE —
- 4' CHAINLINK FENCE
- 6' WOOD FENCE
- WATER LINE — W —
- SANITARY SEWER LINE — SS —
- = POWER POLE
- E.M. = ELECTRICAL METER
- = TELEPHONE PED.
- = WATER LINE MARKER
- = FIRE HYDRANT
- F/L = FLOW LINE
- F.F.E. = FINISHED FLOOR
- T/R = TOP OF RIM
- = SIGN

DESCRIPTION OF SERVICES: TOPOGRAPHIC SURVEY

SURVEYOR'S CERTIFICATION:
This map represents a Topographic Survey made this day 1/13/2026 on the ground as shown.

RANDALL ALVEY CREEL
REGISTERED PROFESSIONAL LAND SURVEYOR NO. 6678

STATE OF TEXAS REGISTERED RANDALL ALVEY CREEL 6678 PROFESSIONAL LAND SURVEYOR

SURVEYORS NOTES

1. THIS SURVEY DOES NOT WARRANT OWNERSHIP, THERE MAY BE EASEMENTS, OR OTHER MATTERS NOT SHOWN.
2. THIS SURVEY WAS COMPLETED WITHOUT THE BENEFIT OF A TITLE REPORT
3. IN ACCORDANCE WITH THE FLOOD INSURANCE RATE MAP OF THE FEDERAL EMERGENCY MANAGEMENT AGENCY, MAP REFERENCE NUMBER 48361C-0070-D, DATED 12/16/2021, THIS FLOOD ZONE DESIGNATED LOCATION ON MAP WAS DETERMINED BY SCALE. ACTUAL FIELD ELEVATION WAS NOT DETERMINED, UNLESS REQUESTED. SOUTEX SURVEYORS, INC. DOES NOT WARRANT NOR SUBSCRIBE TO THE ACCURACY OR SCALE OF SAID MAP.
4. BEARINGS, COORDINATES, DISTANCES AND ACREAGE ARE BASED ON THE TEXAS COORDINATE SYSTEM OF 1983, CENTRAL ZONE, US SURVEY FEET, REFERENCED TO SMARTNET, NORTH AMERICA.
5. ELEVATIONS SHOWN ARE, NAVD88 ORTHOMETRIC HEIGHTS DERIVED USING GEOID18 AND ARE REFERENCED TO SMARTNET, NA
6. TEXAS 811—CALL SHOULD BE DONE PRIOR TO ANY DIGGING OR CONSTRUCTION IN CASE OF UNDERGROUND PIPELINES OR UTILITIES.
7. TEXAS 811—CALL TICKET #260123135
8. THE LOCATIONS OF UNDERGROUND AND OTHER NON-VISIBLE UTILITIES SHOWN HEREON HAVE BEEN PLOTTED BASED UPON DATA EITHER FURNISHED BY THE AGENCIES CONTROLLING SUCH DATA, AND/OR OBTAINED FROM RECORDS MADE AVAILABLE TO US BY THE AGENCIES CONTROLLING SUCH RECORDS. WHERE FOUND, THE SURFACE FEATURES OF UTILITIES ARE SHOWN. THE ACTUAL LOCATIONS OF UNDERGROUND UTILITIES MAY VARY FROM THE LOCATIONS SHOWN HEREON. THE CONTRACTOR SHALL VERIFY THE PRECISE LOCATION OF ITS UNDERGROUND INSTALLATIONS PRIOR TO ANY RELIANCE UPON THE ACCURACY OF SUCH LOCATIONS SHOWN HEREON. PRIOR TO EXCAVATION AND DIGGING CALL TEXAS 811.

SOUTEX SURVEYORS & ENGINEERS
T.B.P.E. FIRM #5755 • T.X.L.S. FIRM #10123800

3737 Doctors Drive
Port Arthur, Texas 77642
Tel. 409.983.2004
Fax. 409.983.2005
soutexsurveyors.com

SHEET TITLE
1.000 ACRE OF LAND
PART OF THE RICHARD BALLEW SURVEY
ABSTRACT NO. 2
ORANGE COUNTY, TEXAS

PROJECT
NECHES FEDERAL CREDIT UNION
(VACANT) BEAR PATH ROAD
ORANGE, TEXAS 77632

PROJ. NO: 25-0560
SCALE: 1" = 20'
PRINT DATE: 1/23/2026
DRAWN BY: TJM
CHECKED BY: RAC
APPROVED BY: RAC
SHEET 1 OF 1

PRO-E CONSULTING
1334 Brittmoore Road
Suite # 2808
Houston, TX 77043
Firm License F-21665
www.proe.consulting

DATE	REVISION

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

7125 HWY 87 N,
ORANGE, TEXAS 77632

TOPOGRAPHIC SURVEY
(FOR REFERENCE ONLY)

PRO-E PROJECT NO.: 1018-0016

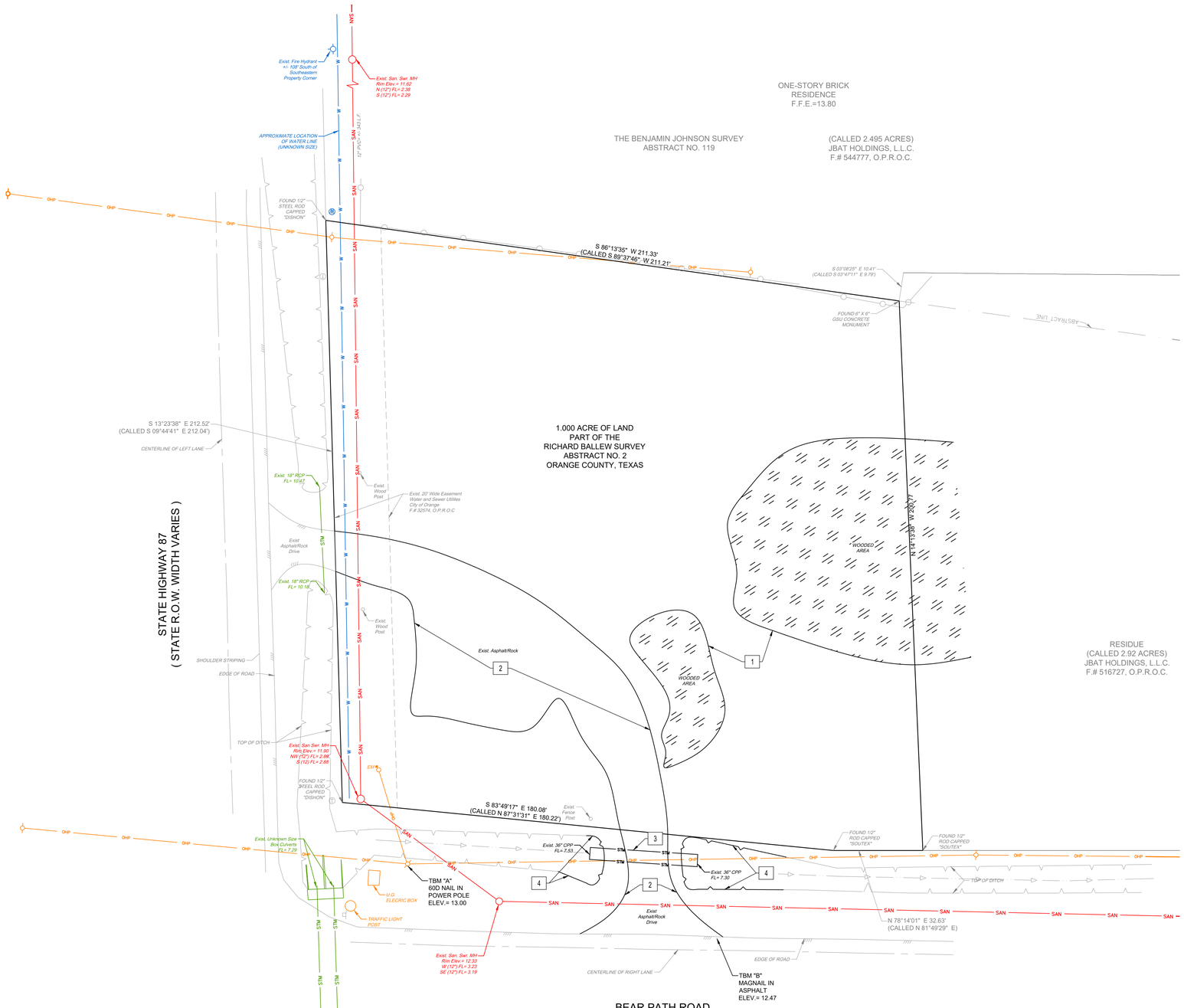
SUBMITTED:
SCALE: N/A
DATE: MARCH, 2026
SURVEYED BY: SOUTEX SURVEYORS & ENGINEERS

DESIGNED BY: KH
DRAWN BY: PB
SHEET NO. C2 OF C9
CITY DWG NO:

PRIVATE PLANS - NECHES FEDERAL CREDIT UNION - LITTLE CYPRESS ITM; 7125 HWY 87 N, ORANGE, TEXAS 77632

Date\Time : Mon, 02 Mar, 2026 - 2:35pm User Name : kendr
Path\Name : C:\Users\kendr\OneDrive - proe.consulting (1)\Projects\1018 - SU Group\0016 - Neches FCU_Little Cypress\2 CAD\Private\C2 TOPOGRAPHIC SURVEY (FOR REFERENCE ONLY).dwg

C:\Doctex\DoctexServer\Jobs\1 DoctexProjects\2025\25-0560 Neches Federal CU Orange\DWG\25-0560-TOPO.dwg Jan 23, 2026-10:03am Owner



KEYED NOTES	
1	CONTRACTOR TO DEMOLISH EXISTING TREES. COORDINATE WITH PROPERTY OWNER ON LIMITS OF TREE REMOVAL.
2	CONTRACTOR TO DEMOLISH EXISTING ASPHALT / ROCK PAVEMENT.
3	CONTRACTOR TO DEMOLISH EXISTING 36" CPP CULVERT.
4	CONTRACTOR TO REGRADE EXISTING DITCH HIGHBANK. SEE SHEET C5 FOR PROPOSED ELEVATIONS.

DEMOLITION NOTES:

1. ALL WORK ON THIS PLAN SHOULD BE PERFORMED IN ACCORDANCE WITH THE PROJECT MANUAL AND GEOTECH REPORT.

2. PROTECTION OF EXISTING FACILITIES
   - A. PROTECT EXISTING UTILITIES AND IMPROVEMENTS NOT DESIGNATED FOR REMOVAL AND RESTORE DAMAGED OR TEMPORARILY RELOCATED UTILITIES AND IMPROVEMENTS.
   - B. VERIFY EXACT LOCATIONS AND DEPTHS OF UTILITIES SHOWN AND MAKE EXPLORATORY EXCAVATIONS OF UTILITIES THAT MAY INTERFERE WITH THE WORK.
     1) PERFORM EXPLORATORY EXCAVATIONS AS SOON AS PRACTICABLE AFTER AWARD OF CONTRACT AND A SUFFICIENT TIME IN ADVANCE OF CONSTRUCTION TO AVOID DELAYS TO THE WORK.
     2) WHEN EXPLORATORY EXCAVATIONS SHOW UTILITY LOCATION AS SHOWN TO BE IN ERROR, NOTIFY ENGINEER.
   - C. PERFORM EXPLORATORY EXCAVATIONS REQUIRED TO SUFFICIENTLY DETERMINE ALIGNMENT AND GRADE OF EXISTING UTILITIES.
   - D. TAKE ALL NECESSARY PRECAUTIONS TO PRESERVE PRIVATE AND PUBLIC PROPERTY IN THE IMMEDIATE AREA OF WORK SITES.
   - E. ASSUME TOTAL LIABILITY FOR DAMAGE TO PRIVATE AND/OR PUBLIC PROPERTY DURING THE PROSECUTION OF THE WORK.

3. PROTECTION OF SURVEY MARKERS
   - A. DO NOT DESTROY, REMOVE, OR OTHERWISE DISTURB EXISTING SURVEY MARKERS OR OTHER EXISTING STREET OR ROADWAY MARKERS WITHOUT PROPER AUTHORIZATION.
   - B. CONTACT FORT BEND COUNTY SURVEY OFFICE TO DETERMINE LOCATION OF ALL SURVEY MARKERS.
   - C. NO WORK SHALL BE STARTED UNTIL ALL SURVEY OR OTHER PERMANENT MARKER POINTS THAT WILL BE DISTURBED BY THE CONSTRUCTION OPERATIONS HAVE BEEN PROPERLY REFERENCED FOR EASY AND ACCURATE RESTORATION.
   - D. ACCURATELY RESTORE SURVEY MARKERS OR POINTS DISTURBED BY CONTRACTOR AT CONTRACTOR'S EXPENSE AFTER WORK HAS BEEN COMPLETED.

4. PAVEMENT
   - A. PAVEMENTS SUBJECT TO PARTIAL REMOVAL SHALL BE NEATLY SAW CUT IN STRAIGHT LINES UNLESS OTHERWISE NOTED.

5. DEMOLITION
   - A. BUILDING DEMOLITION SHALL INCLUDE COMPLETE REMOVAL AND DISPOSAL OF DESIGNATED STRUCTURES ON WITHIN THE LIMITS OF DEMOLITION SHOWN ON THE DRAWINGS, AND SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING WORK:
     1) VERIFICATION THAT ALL UTILITIES SERVING THE BUILDING HAVE BEEN TERMINATED. UTILITY DISCONNECTS SHALL BE PROVIDED BY THE CONTRACTOR. THE CONTRACTOR SHALL CONTACT CENTERPOINT FOR POWER AND GAS AND SBC FOR TELEPHONE FOR COORDINATION PRIOR TO COMMENCING WORK (713-223-4567 OR 1-800-344-8377).
     2) REMOVAL OF ALL STRUCTURES AND FOUNDATIONS TO A MINIMUM OF FIVE (5) FEET BELOW FUTURE FINISHED GRADE, AND REMOVAL OF ALL ASSOCIATED PIPING, WIRING, DUCTWORK, AND EQUIPMENT.
     3) BREAK-UP AND REMOVAL OF SLABS-ON-GRADE. SLABS SHALL BE COMPLETELY REMOVED.
     4) REMOVAL OF UNDERGROUND TANKS, PIPING, AND PUMPS WITH ASSOCIATED WIRING.
     5) FILLING OF ALL SUBGRADE CAVITIES WITH ON-SITE SOIL COMPACTED TO 95 PERCENT DENSITY (ASTM D698).
     6) PROVISIONS FOR TEMPORARY BRACING AND SHORING AS REQUIRED UNTIL DEMOLITION AND BACKFILLING WORK IS COMPLETE.
     7) UNIFORM GRADING OF DEMOLITION AREA TO MATCH EXISTING GRADE OF PERIMETER.
     8) RESTORATION OF SIDEWALKS, BITUMINOUS AND CONCRETE PAVEMENTS, AND ANY OTHER IMPROVEMENTS OR PROPERTY DAMAGED BY DEMOLITION OPERATIONS.
     9) CLEANING OF ADJACENT STRUCTURES, IMPROVEMENTS, STREETS, SIDEWALKS, AND PROPERTY OF DUST, DIRT, AND DEBRIS CAUSED BY DEMOLITION OPERATIONS.
     10) ASBESTOS ABATEMENT. PRIOR TO DEMOLITION, CONTRACTOR TO ABATE THE EXISTING ASBESTOS CONTAINING MATERIALS IN ACCORDANCE WITH THE ASBESTOS SURVEY PERFORMED BY OWNER. CONTRACTORS BID SHOULD BE ALL INCLUSIVE WITH THE EXCEPTION OF THE REQUIRED MONITORING/TESTING WHICH WILL BE BY OWNER. QUANTITIES IN THE ASBESTOS SURVEY SHOULD BE VERIFIED BY CONTRACTORS PRIOR TO THE SUBMITTAL OF BIDS. CONTRACTOR TO COORDINATE WITH OWNERS CONSULTANTS DURING ABATEMENT ACTIVITIES. ABATEMENT OF ASBESTOS TO OCCUR WITHIN THE DEMOLITION PHASE INDICATED.
   - B. DEMOLITION SHALL BE BY CONVENTIONAL DEMOLITION METHODS USING HEAVY TO LIGHT MECHANICAL MEANS AS WELL AS HAND DEMOLITION METHODS. USE OF EXPLOSIVES SHALL NOT BE PERMITTED. BURNING AND BURIAL OF MATERIAL ON SITE SHALL NOT BE PERMITTED.
   - C. THE CONTRACTOR SHALL LIMIT DUST AND DIRT CAUSED BY DEMOLITION OPERATIONS SO AS TO COMPLY WITH GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.
   - D. DEMOLITION OPERATIONS SHALL NOT INTERRUPT EXISTING UTILITIES SERVING NEIGHBORING PROPERTIES AND/OR BUILDING TO REMAIN OPERATIONAL DURING PHASES OF DEMOLITION, EXCEPT WHEN AUTHORIZED IN WRITING BY AUTHORITIES HAVING JURISDICTION. CONTRACTOR SHALL PROVIDE TEMPORARY SERVICES DURING INTERRUPTIONS TO EXISTING UTILITIES, AS DIRECTED BY GOVERNING AUTHORITIES.

6. REGULATORY REQUIREMENTS
   - A. CONFORM TO APPLICABLE CODE FOR DEMOLITION OF STRUCTURES, SAFETY OF ADJACENT STRUCTURES, DUST CONTROL, RUNOFF CONTROL, AND DISPOSAL.
   - B. OBTAIN REQUIRED PERMITS FROM AUTHORITIES.
   - C. NOTIFY AFFECTED UTILITY COMPANIES BEFORE STARTING WORK AND COMPLY WITH THEIR REQUIREMENTS.
   - D. DO NOT CLOSE OR OBSTRUCT ROADWAYS, SIDEWALKS, OR HYDRANTS WITHOUT PERMITS.

7. PREPARATION
   - A. PROVIDE, ERECT, AND MAINTAIN TEMPORARY BARRIERS AND SECURITY DEVICES PRIOR TO WORK.
   - B. PROTECT EXISTING APPURTENANCES AND STRUCTURES WHICH ARE NOT TO BE DEMOLISHED.
   - C. PREVENT MOVEMENT OR SETTLEMENT OF ADJACENT STRUCTURES. PROVIDE BRACING AND SHORING.
   - D. MARK LOCATION OF UTILITIES.

8. PROTECTION OF EXISTING UTILITIES AND IMPROVEMENTS
   - A. PROTECT UNDERGROUND UTILITIES AND OTHER IMPROVEMENTS WHICH MAY BE IMPAIRED DURING CONSTRUCTION OPERATIONS.
     1) DETERMINE ACTUAL LOCATION OF EXISTING UTILITIES AND OTHER IMPROVEMENTS THAT WILL BE ENCOUNTERED DURING CONSTRUCTION OPERATIONS.
     2) ADEQUATELY PROTECT UTILITIES AND OTHER IMPROVEMENTS FROM DAMAGE DUE TO CONSTRUCTION OPERATIONS.
     3) TAKE ALL POSSIBLE PRECAUTIONS FOR PROTECTING UNFORESEEN UTILITY LINES TO PROVIDE FOR UNINTERRUPTED SERVICE AND TO PROVIDE NECESSARY SPECIAL PROTECTION.
   - B. OWNER'S RIGHT OF ACCESS: OWNER AND OWNERS OF PUBLIC UTILITIES RESERVE THE RIGHT TO ENTER AT ANY TIME UPON ANY PUBLIC STREET, ALLEY, RIGHT-OF-WAY, OR EASEMENT FOR THE PURPOSE OF MAKING CHANGES IN THEIR PROPERTY.
   - C. UNDERGROUND UTILITIES INDICATED:
     1) EXISTING UTILITY LINES TO BE RETAINED, THAT ARE INDICATED OR LOCATIONS OF WHICH ARE MADE KNOWN TO CONTRACTOR PRIOR TO EXCAVATION, AND UTILITY LINES CONSTRUCTED DURING EXCAVATION OPERATIONS SHALL BE PROTECTED FROM DAMAGE DURING EXCAVATION AND BACKFILLING.
     2) IF DAMAGED, CONTRACTOR SHALL IMMEDIATELY REPAIR OR REPLACE.
   - D. UNDERGROUND UTILITIES NOT INDICATED: IF CONTRACTOR DAMAGES EXISTING UTILITY LINES THAT ARE NOT INDICATED OR THE LOCATIONS OF WHICH ARE NOT MADE KNOWN TO CONTRACTOR PRIOR TO EXCAVATION, IMMEDIATELY MAKE A WRITTEN REPORT TO ENGINEER.
   - E. APPROVAL OF REPAIRS: REPAIRS TO A DAMAGED UTILITY OR IMPROVEMENT SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY AN AUTHORIZED REPRESENTATIVE OF THE UTILITY OR IMPROVEMENT OWNER BEFORE BEING CONCEALED BY BACKFILL OR OTHER WORK.
   - F. MAINTAINING IN SERVICE:
     1) DURING CONSTRUCTION, CONTINUOUSLY MAINTAIN OIL AND GASOLINE PIPELINES; POWER, TELEPHONE, AND COMMUNICATION CABLE DUCTS; GAS AND WATER MAINS; IRRIGATION LINES; SEWER LINES; STORM DRAIN LINES; POLES, OVERHEAD POWER, AND COMMUNICATION WIRES AND CABLE ENCOUNTERED ALONG THE LINE OF THE WORK IN SERVICE UNLESS OTHER ARRANGEMENTS APPROVED BY ENGINEER ARE MADE WITH THE OWNERS OF THE FACILITIES.
     2) BE RESPONSIBLE FOR AND REPAIR DAMAGE DUE TO CONSTRUCTION OPERATIONS, EVEN IF DAMAGE OCCURS AFTER BACKFILLING OR IS NOT DISCOVERED UNTIL AFTER COMPLETION OF BACKFILLING.

9. NOTIFICATION BY CONTRACTOR
   - A. PRIOR TO EXCAVATION IN VICINITY OF EXISTING UNDERGROUND FACILITIES (INCLUDING WATER, SEWER, STORM DRAIN, GAS, PETROLEUM PRODUCTS, OR OTHER PIPELINES; BURIED ELECTRIC POWER, COMMUNICATIONS, OR TELEVISION CABLES; TRAFFIC SIGNAL AND STREET LIGHTING FACILITIES; AND ROADWAY AND STATE HIGHWAY RIGHTS-OF-WAY) NOTIFY THE RESPECTIVE AUTHORITIES REPRESENTING THE OWNERS OR AGENCIES RESPONSIBLE FOR THE FACILITIES NOT LESS THAN 3 DAYS NOR MORE THAN 7 DAYS PRIOR TO EXCAVATION SO THAT A REPRESENTATIVE OF OWNERS OR AGENCIES CAN BE PRESENT DURING SUCH WORK IF THEY SO DESIRE.
   - B. NOTIFY THE UNDERGROUND SERVICE ALERT OR UTILITY COORDINATION COMMITTEE AT 713-223-4567 OR 1-800-344-8377 AT LEAST 2 DAYS, BUT NO MORE THAN 14 DAYS, PRIOR TO EXCAVATION.

10. DEMOLITION
    - A. CONDUCT DEMOLITION TO MINIMIZE INTERFERENCE WITH ADJACENT STRUCTURES.
    - B. CEASE OPERATIONS IMMEDIATELY IF ADJACENT STRUCTURES APPEAR TO BE IN DANGER. NOTIFY OWNER. DO NOT RESUME OPERATIONS UNTIL DIRECTED BY OWNER.
    - C. CONDUCT OPERATIONS WITH MINIMUM INTERFERENCE TO PUBLIC OR PRIVATE ACCESS AND COMMERCIAL USES. MAINTAIN PROTECTED EGRESS AND ACCESS AT ALL TIMES.
    - D. DEMOLITION ACTIVITIES SHALL BE WHOLLY CONTAINED WITHIN THE PROPERTY BOUNDARY LINES.

11. DEMOLITION REQUIREMENTS
    - A. DISCONNECT, CAP, AND IDENTIFY DESIGNATED UTILITIES WITHIN DEMOLITION AREAS.
    - B. REMOVE FOUNDATION WALLS AND FOOTINGS TO A MINIMUM OF FIVE FEET BELOW FINISHED GRADE BEYOND AREA OF NEW CONSTRUCTION.
    - C. REMOVE CONCRETE SLABS ON GRADE.
    - D. BACKFILL OPEN PITS AND HOLES CAUSED AS A RESULT OF DEMOLITION.
    - E. ROUGH GRADE AND COMPACT AREAS AFFECTED BY DEMOLITION TO MAINTAIN SITE GRADES AND CONTOURS.
    - F. REMOVE DEMOLISHED MATERIALS FROM SITE.
    - G. DO NOT BURN OR BURY MATERIALS ON SITE. LEAVE SITE IN CLEAN CONDITION.
    - H. CONTRACTOR TO MAINTAIN POSITIVE DRAINAGE AWAY FROM FACILITIES TO REMAIN IN OPERATION DURING DEMOLITION PHASING.

12. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL REGULATORY AGENCIES AND ANY OTHER ENTITY CONCERNING THE RELEASE OF GASES FROM ANY EXISTING EQUIPMENT TO BE DEMOLISHED OR REMOVED.

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

ALL LINES MUST BE FIELD VERIFIED

CAUTION EXIST GAS FACILITIES IN AREA

NOTE:
LOCATIONS OF UTILITIES SHOWN ARE APPROXIMATE AND MAY NOT BE COMPLETE. CONTRACTOR IS RESPONSIBLE FOR LOCATING AND VERIFYING EXISTING UTILITIES. NO SEPARATE PAY FOR REMOVAL, RELOCATION, OR HANDLING OF KNOWN OR UNKNOWN EXISTING UTILITIES WHICH MAY NOT BE FORESEEABLE.

NOTE:
CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIAL, DEBRIS, AND SOIL HAUL OFF AS NECESSARY. THE CONTRACTOR IS RESPONSIBLE FOR BUDGETING AS NECESSARY FOR ALL PROJECT HAUL OFF.

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1 inch = 20 ft.

BENCHMARK NOTE:

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

TEMPORARY BENCHMARK "A": ELEV: 13.00'

BEING A 60D NAIL EMBEDDED WITHIN A POWER POLE LOCATED +/- 30' FROM THE NORTH EASTERN CORNER OF THE PROPERTY. IT IS ALSO LOCATED +/- 190' FROM THE NORTH WESTERN CORNER OF THE PROPERTY.

TEMPORARY BENCHMARK "B": ELEV: 12.47'

BEING A 60D NAIL EMBEDDED WITHIN ASPHALT LOCATED +/- 80' FROM THE NORTH WESTERN CORNER OF THE PROPERTY. IT IS ALSO LOCATED +/- 145' FROM THE NORTH EASTERN CORNER OF THE PROPERTY.

FLOOD STATEMENT:

THIS PROPERTY LIES WITHIN ZONE "X"; AREAS DETERMINED TO BE WITHIN 500-YEAR FLOODPLAIN PER THE FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NO. 48361C0070D WHICH BEARS AN EFFECTIVE DATE DECEMBER 16, 2021.

PRO-E CONSULTING
1334 Brittmoore Road
Suite # 2808
Houston, TX 77043
Firm License F-21665
www.proe.consulting

STATE OF TEXAS
JUSTIN A. SCHRADER
103758
LICENSED
PROFESSIONAL ENGINEER
MAR 02 2026

DATE	REVISION

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

7125 HWY 87 N,
ORANGE, TEXAS 77632

DEMOLITION PLAN

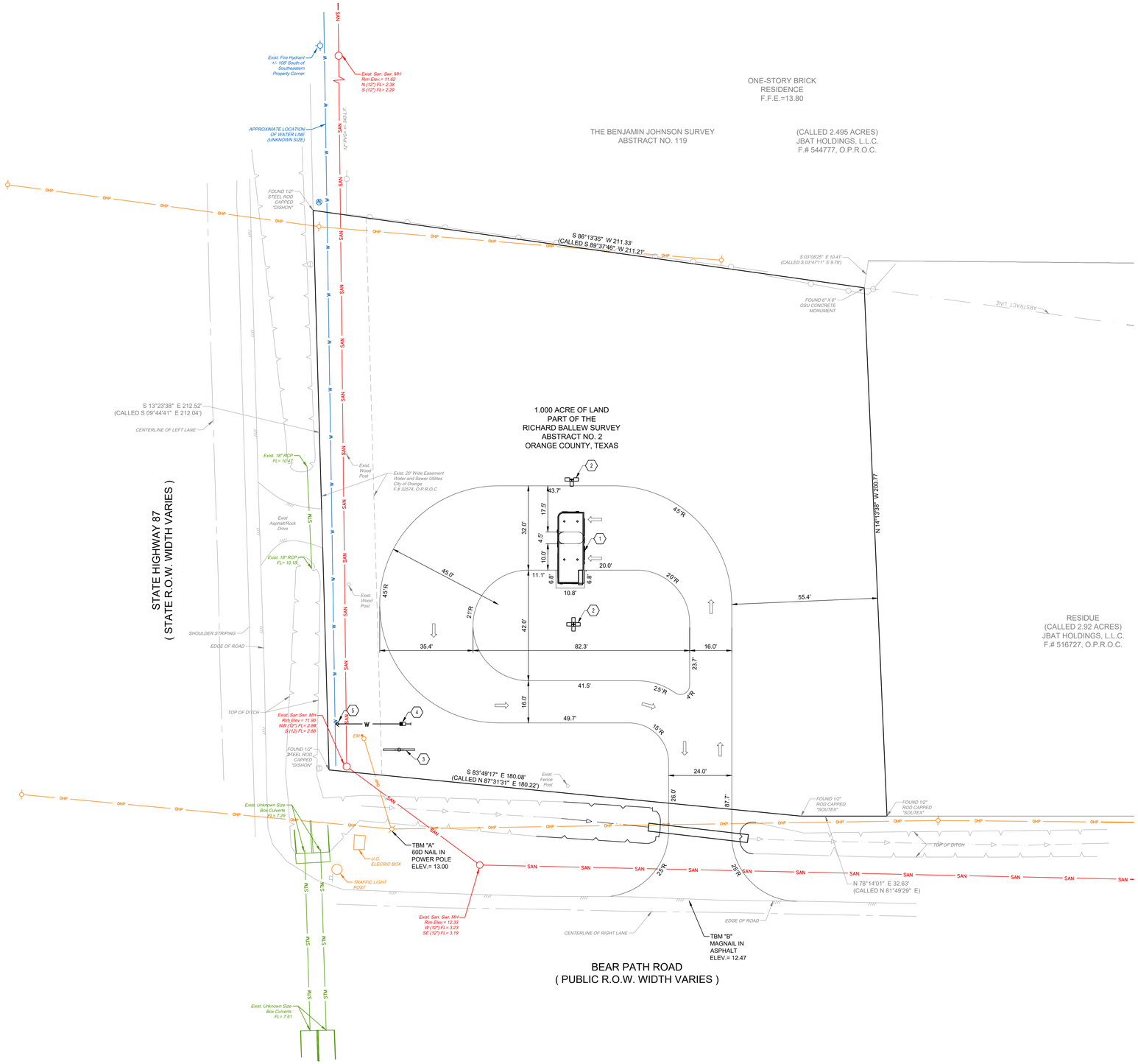
PRO-E PROJECT NO.: 1018-0016

SUBMITTED:
SCALE: 1" = 20'
DATE: MARCH, 2026
SURVEYED BY: SOUTEX SURVEYORS & ENGINEERS

DESIGNED BY: KH
DRAWN BY: PB
SHEET NO. C3 OF C9
CITY DWG NO:

PRIVATE PLANS - NECHES FEDERAL CREDIT UNION - LITTLE CYPRESS ITM; 7125 HWY 87 N, ORANGE, TEXAS 77632

Date\Time = Mon, 02 Mar, 2026 – 2:36pm User Name = kendr
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CONSTRUCTION NOTE:
CONTRACTOR SHALL CONFIRM NO CONFLICTS BETWEEN EXISTING AND PROPOSED DRY/WET UTILITIES IN PUBLIC R.O.W., BEFORE STARTING SITE WORK CONSTRUCTION.

CONTRACTOR SHALL FIELD-VERIFY ALL EXISTING DIMENSIONS & CONDITIONS & SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES THAT MAY AFFECT THE WORK DESCRIBED HEREIN.

NOTE:
EXCESS SOIL MATERIAL IS THE RESPONSIBILITY OF THE CONTRACTOR & IS TO BE DISPOSED OFFSITE RESPONSIBLY AT NO SEPARATE PAY.

HYDROMULCH NOTE:
CONTRACTOR SHALL HYDROMULCH ALL NEWLY GRADED AREAS AND EXPOSED SOILS UPON PAVING COMPLETION.

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

ALL LINES MUST BE FIELD VERIFIED

CAUTION EXIST GAS FACILITIES IN AREA

KEYED NOTES	
1	PROPOSED INTERACTIVE TELLER MACHINE (ITM). SEE ARCHITECTURAL PLANS FOR DETAILS.
2	PROPOSED SITE LIGHTING. SEE MEP PLANS FOR DETAILS.
3	PROPOSED ILLUMINATED SIGN. SEE ARCHITECTURAL PLANS FOR DETAILS.
4	PROPOSED 1" IRRIGATION BACKFLOW PREVENTER.
5	PROPOSED 1" TAPPING SADDLE W/ CORPORATION STOP

GENERAL NOTES
1. DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
2. ALL RADII 2' UNLESS OTHERWISE NOTED.
3. REFER TO ARCHITECTURAL PLANS FOR SITE LIGHTING POLES AND FIXTURES AND ELECTRICAL PLAN PRIOR TO PLACING PAVEMENT.
4. REFER TO ARCHITECTURAL PLANS FOR EXACT BUILDING DIMENSIONS.
5. SIDEWALKS TO HAVE A 5% MAXIMUM RUNNING SLOPE AND A 2% MAXIMUM CROSS SLOPE IN ACCORDANCE WITH ADA REQUIREMENTS.
6. FIELD VERIFY ADA GRADES PRIOR TO PLACING PAVEMENT. CONTRACTOR SHALL CONSTRUCT ALL ACCESSIBLE ROUTES IN ACCORDANCE WITH ADA STANDARDS AND TAS.
7. REF. IRRIGATION PLANS PRIOR TO PLACING PAVEMENT.
8. CONTRACTOR SHALL BUDGET FOR ACCESSIBLE STALL STRIPING, FIRE LANE STRIPING, DIRECTIONAL ARROWS, ETC.
9. SITE LIGHTING IS BY OTHERS. REF. SITE LIGHTING PLANS FOR LOCATIONS AND DETAILS PRIOR TO PLACING PAVEMENT.
10. REF. BUILDING PLANS FOR ALL EXTERIOR STAIR DETAILS.
11. CONTRACTOR TO ADJUST EXISTING SANITARY SEWER MANHOLES, STORM SEWER MANHOLES, ELECTRICAL MANHOLES, FIRE HYDRANTS, VALVE BOXES, WATER METERS, ETC. TO MATCH PROPOSED FINISHED GRADES IF NECESSARY.

DOMESTIC WATER SYSTEM NOTES:
1. ALL WATER LINE MAINS SIZES 1 THRU 3 INCH SHALL BE PVC SCH 40.
2. ALL WATER MAINS SIZES 4 THRU 12 INCH SHALL BE AWWA C-900 CLASS 150 DR-18.
3. WATER LINE SHALL BE CONSTRUCTED AND TESTED IN ACCORDANCE WITH ORANGE COUNTY SPECIFICATIONS FOR WATER MAIN CONSTRUCTION AS CURRENTLY AMENDED.
4. PROVIDE THRUST BLOCKING ACCORDING TO ORANGE COUNTY STANDARDS SPECIFICATIONS.
5. PROVIDE A MINIMUM 24-INCHES OF CLEARANCE AT STORM SEWER AND WATER LINE CROSSING.
6. ALL BACKFLOW PREVENTERS ARE REQUIRED TO BE TESTED AND CERTIFIED PRIOR TO FINAL ACCEPTANCE OF THE PROJECT.

N

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1 inch = 20 ft.

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Suite # 2808
Houston, TX 77043
Firm License F-21665
www.proe.consulting

STATE OF TEXAS
JUSTIN A. SCHRADER
103758
LICENSED
PROFESSIONAL ENGINEER
MAR 02 2026

DATE	REVISION

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

7125 HWY 87 N,
ORANGE, TEXAS 77632

OVERALL SITE & DIMENSION CONTROL PLAN

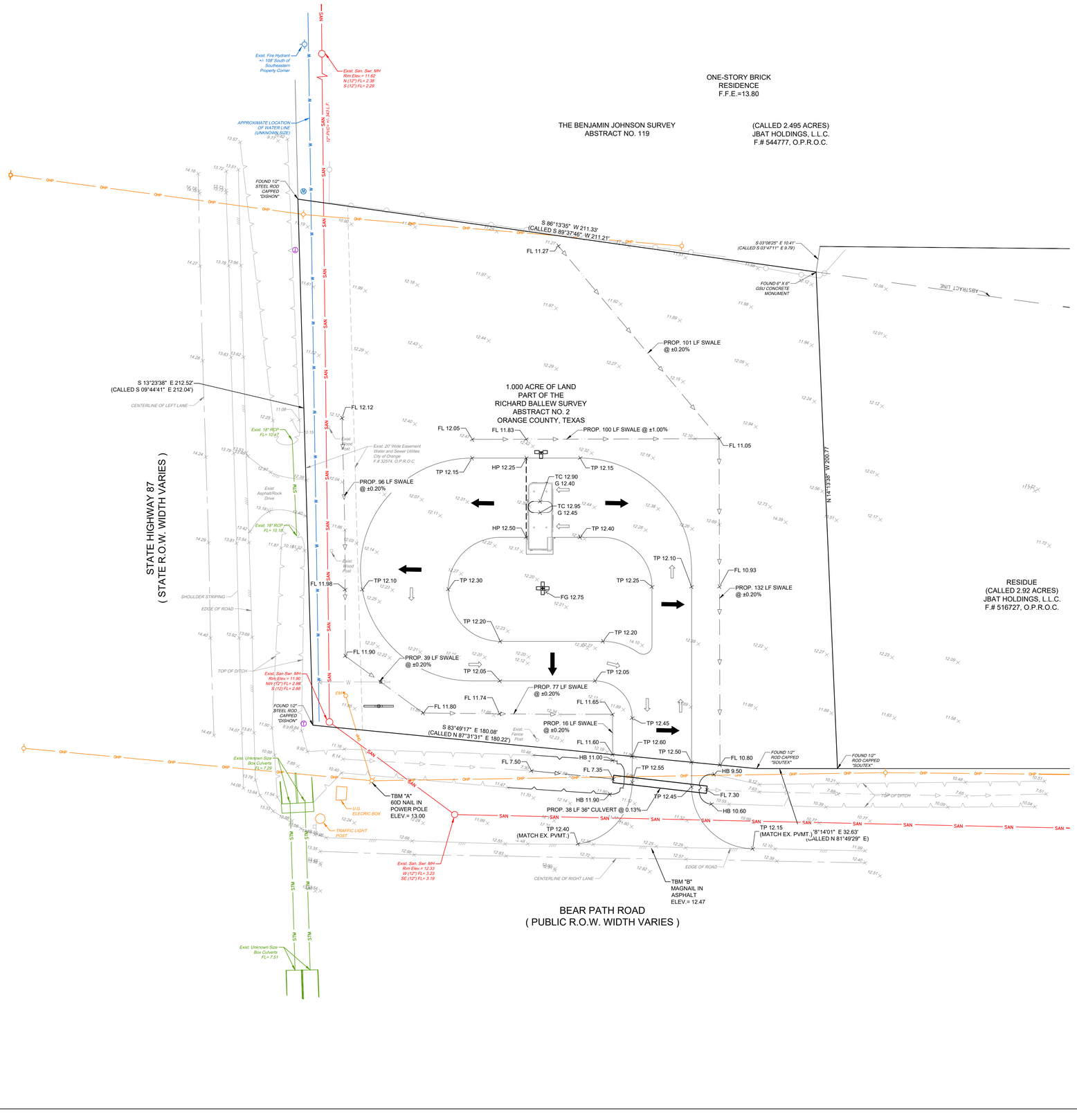
PRO-E PROJECT NO.: 1018-0016

SUBMITTED:
SCALE: 1" = 20'
DATE: MARCH, 2026
SURVEYED BY: SOUTEX SURVEYORS & ENGINEERS

DESIGNED BY: KH
DRAWN BY: PB
SHEET NO. C4 OF C9
CITY DWG NO:

PRIVATE PLANS - NECHES FEDERAL CREDIT UNION - LITTLE CYPRESS ITM; 7125 HWY 87 N, ORANGE, TEXAS 77632

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Date\Time : Mon, 02 Mar 2026 – 2:36pm User Name : kendr
Path\Name : C:\Users\kendr\OneDrive – proe.consulting (1)\Projects\1018 – SLI Group\0016 – Neches FCU_Little Cypress\2 CAD\Private\C5 GRADING & DRAINAGE PLAN.dwg

GENERAL NOTES:

1. ANY PAVING INSTALLED OVER A UTILITY EASEMENT SHALL HAVE CONSTRUCTION JOINTS OR SAW CUTS ALONG THE ENTIRE EASEMENT LINE OF THE ENCROACHMENT AND TRAVERSE THE EASEMENT AT INTERVALS EQUAL TO OR LESS THAN 10 FOOT INCREMENTS.

2. ALL PROPOSED CURBS ARE 6" TYPICAL, U.N.O. ON PLANS. CONTRACTOR SHALL CONTACT ENGINEER/ARCHITECT IF CURB DEPTH EXCEEDS 6". OVERHEAD AND UNDERGROUND UTILITIES MAY EXIST IN THE VICINITY OF THIS

3. PROJECT. LOCATIONS SHOWN FOR EXISTING UTILITIES ARE APPROXIMATE AND OTHER UTILITIES MAY EXIST IN THE VICINITY OF THE PROJECT WHICH ARE NOT SHOWN ON THE PLANS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES IN THE VICINITY OF THE PROJECT, PRIOR TO BEGINNING CONSTRUCTION. IF ANY DISCREPANCIES EXIST, NOTIFY ENGINEER IMMEDIATELY.

4. CONDITION OF THE ROAD AND/OR RIGHT-OF WAY, UPON COMPLETION OF JOB SHALL BE AS GOOD AS OR BETTER THAN PRIOR TO STARTING WORK.

5. EXISTING PRIVATE AND PUBLIC GREEN AREAS, UTILITIES, PAVEMENTS, CURBS, DRIVEWAYS AND SIDEWALKS DAMAGED OR REMOVED DURING CONSTRUCTION OR AS A RESULT OF CONSTRUCTION SHALL BE REPLACED TO THE CITY OF ORANGE STANDARDS.

GRADING NOTES:

1. CONTRACTOR SHALL MAINTAIN DRAINAGE DURING CONSTRUCTION AS TO NOT IMPACT ADJACENT / NEIGHBORING PROPERTIES.

2. ANY AREAS OF GRASS WITHIN THE CITY'S RIGHT OF WAY WHICH ARE DISTURBED OR DUG UP DURING CONSTRUCTION SHALL BE REPLACED WITH ST. AUGUSTINE OR GRASS WHICH MATCHED THE GRASS REMOVED.

3. ANY DRAINAGE TO EXISTING ROADS, DRIVEWAYS, SIDEWALKS, OR OTHER APPURTENANCES WITHIN THE CITY'S RIGHT OF WAY SHALL BE SAW CUT , REMOVED AND REPLACED WITH MATERIALS EQUAL TO OR SUPERIOR MATERIAL, AND MUST BE INSTALLED TO CITY STANDARDS.

4. ALL SURFACE ORGANIC, TOPSOIL AND UNSUITABLE MATERIAL SHALL BE STRIPPED FROM ALL PROPOSED BUILDING AND PAVING AREAS.

5. ALL TREE-STUMPS THAT ARE TO BE REMOVED SHALL BE DONE THOROUGHLY BY REMOVING ALL THE ROOTS AND FILLING UP THE VOID WITH SELECT FILL AND COMPACTED PRIOR TO CONSTRUCTION.

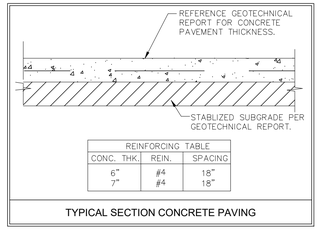
6. PROOF ROLL THE SUBGRADE TO DETECT ANY WET, SOFT OR PUMPING AREAS, TREAT THESE AREAS WITH DRYING/STABILIZING AGENTS AS NECESSARY OR REMOVE & REPLACE THEM WITH SELECT FILL.

7. COMPACT THE SUBGRADE TO A MINIMUM OF 95% OF ITS DRY DENSITY AS DETERMINED BY THE STANDARD PROCTOR COMPACTION TEST (ASTM D 698).

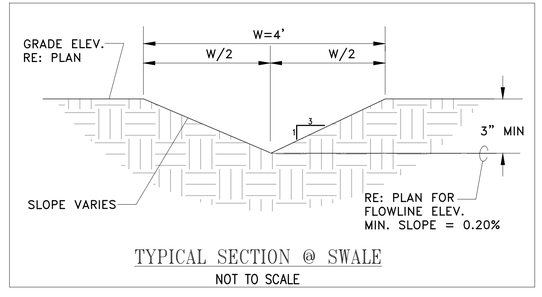
8. ADDITIONAL FILL MATERIAL WITHIN THE BUILDING AREA SHOULD BE SILTY OR SANDY CLAY HAVING A PLASTICITY INDEX (PI) OF 10 - 20 & A LIQUID LIMIT OF 28 OR MORE. SILL MATERIALS SHOULD BE PLACED IN 6 TO 8 INCH LIFTS & COMPACTED AT OPTIMUM MOISTURE CONTENT TO 98% OF THEIR MAXIMUM DRY DENSITY AS DETERMINED BY STANDARD PROCTOR COMPACTION TEST (ASTM D 698).

NOTE:

REFERENCE GEOTECHNICAL REPORT FOR PROJECT SPECIFIC REINFORCEMENT SCHEDULE AND PAVEMENT SUBGRADE PREPARATION INFORMATION.



TYPICAL SECTION CONCRETE PAVING



TYPICAL SECTION @ SWALE
NOT TO SCALE

N

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1 inch = 20 ft.

BENCHMARK NOTE:

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LICENSED PROFESSIONAL ENGINEER
MAR 02 2026

DATE	REVISION

CONSTRUCTION PLANS FOR
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(PRIVATE ON-SITE)
PAVING, & DRAINAGE FACILITIES

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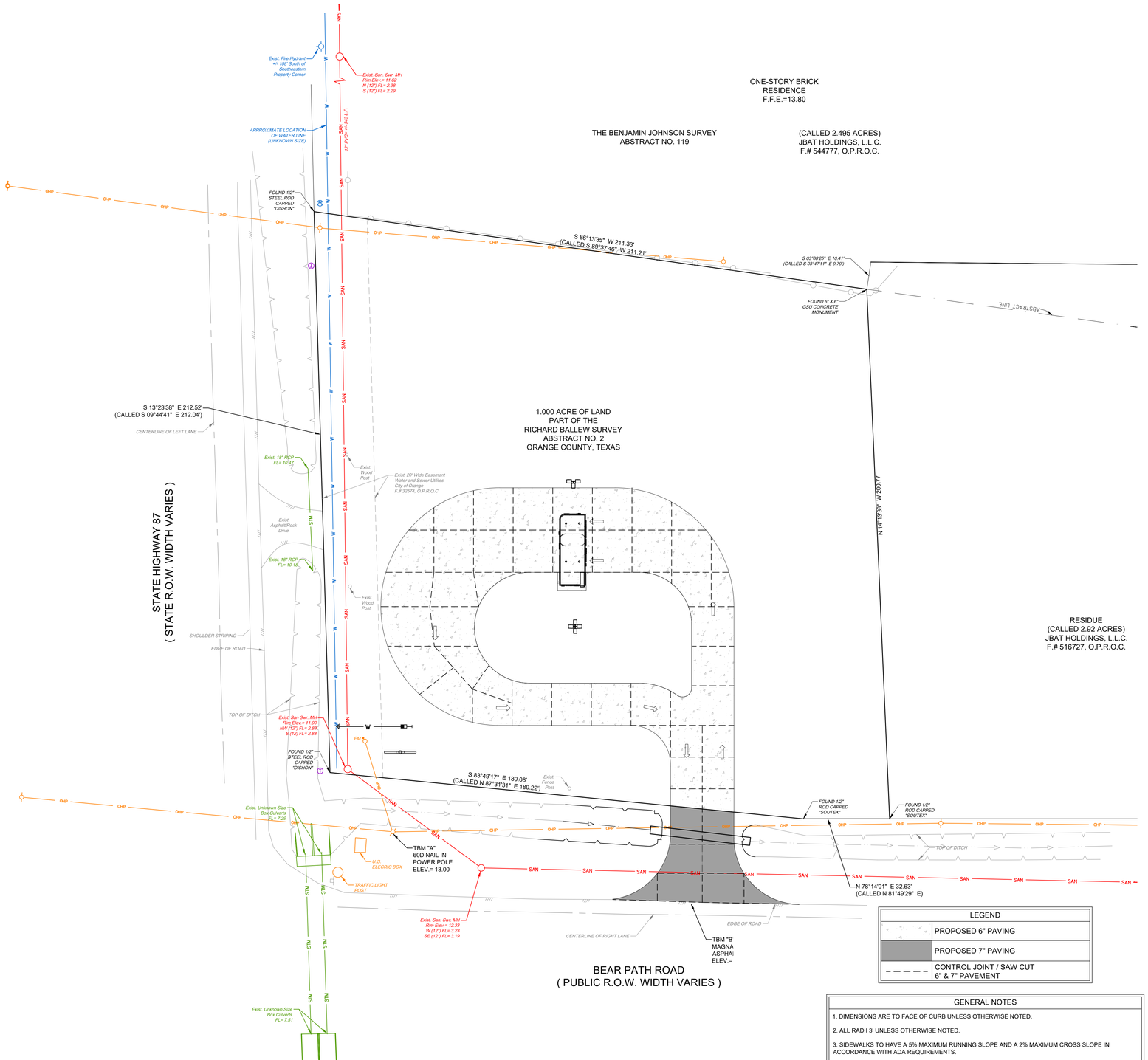
GRADING & DRAINAGE PLAN

PRO-E PROJECT NO.: 1018-0016

SUBMITTED:
SCALE: 1" = 20'
DATE: MARCH, 2026
SURVEYED BY: SOUTEX SURVEYORS & ENGINEERS

DESIGNED BY: KH
DRAWN BY: PB
SHEET NO. C5 OF C9
CITY DWG NO:

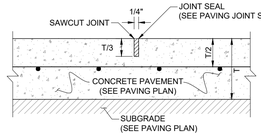
PRIVATE PLANS - NECHES FEDERAL CREDIT UNION - LITTLE CYPRESS ITM; 7125 HWY 87 N, ORANGE, TEXAS 77632



LEGEND	
	PROPOSED 6" PAVING
	PROPOSED 7" PAVING
	CONTROL JOINT / SAW CUT 6" & 7" PAVEMENT

GENERAL NOTES

1. DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
2. ALL RADII 3' UNLESS OTHERWISE NOTED.
3. SIDEWALKS TO HAVE A 5% MAXIMUM RUNNING SLOPE AND A 2% MAXIMUM CROSS SLOPE IN ACCORDANCE WITH ADA REQUIREMENTS.
4. FIELD VERIFY ADA GRADES PRIOR TO PLACING PAVEMENT. CONTRACTOR SHALL CONSTRUCT ALL ACCESSIBLE ROUTES IN ACCORDANCE WITH ADA STANDARDS AND TAS.
5. CONTRACTOR SHALL BUDGET FOR ACCESSIBLE STALL STRIPING, FIRE LANE STRIPING, DIRECTIONAL ARROWS, ETC.
6. CONTRACTOR TO ADJUST EXISTING SANITARY SEWER MANHOLES, STORM SEWER MANHOLES, ELECTRICAL MANHOLES, FIRE HYDRANTS, VALVE BOXES, WATER METERS, ETC. TO MATCH PROPOSED FINISHED GRADES IF NECESSARY.
7. RIGHT-OF-WAY WILL BE RESTORED TO EQUAL OR BETTER CONDITION WHEN CONSTRUCTION IS COMPLETE.
8. ROAD CROSSINGS MUST BE BORED. BORE PITS SHALL BE KEPT AT LEAST 3 FEET FROM THE ROAD.

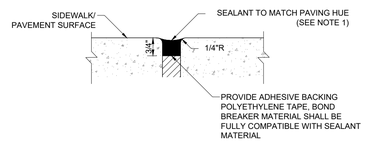


GENERAL NOTES:

1. REFER TO PAVING PLAN FOR SAWCUT JOINT SPACING.
2. INSTALLATION OF SAWCUT JOINT TO BE PERFORMED WITHIN 12 HOURS OF CONCRETE POUR.
3. TOOLED JOINTS ARE NOT ALLOWED, ONLY SAWCUT JOINTS.
4. CONCRETE SHALL CURE LONG ENOUGH BEFORE SAW CUTTING TO PREVENT SPALLING OF JOINT WHEN CUTTING.
5. REFER TO PAVING PLAN AND GEOTECHNICAL REPORT FOR PAVEMENT THICKNESS (T) AND REBAR DEPTH TO AVOID SAW CUTTING REINFORCEMENT BARS.

PAVING SAWCUT JOINT

N.T.S.

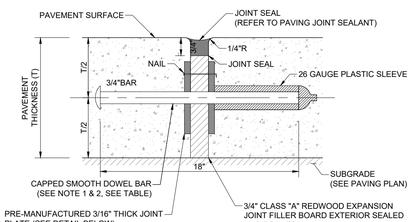


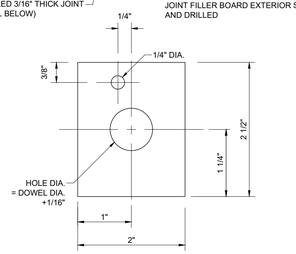
GENERAL NOTES:

1. UTILIZE THC 900/901 POLYURETHANE SEALANT MANUFACTURED BY TREMCO, CLEVELAND OHIO IN ACCORDANCE TO ASTM C920, TYPE M (OR APPROVED EQUAL).
2. JOINT SEALANT TO BE APPLIED IN ACCORDANCE WITH ASTM 03405.
3. VERIFY WITH OWNER AND ENGINEER FOR ANY ADDITIONAL REQUIREMENTS.
4. PROVIDE A CLEAN AND PROPER INSTALLATION OF SEALANT PER MANUFACTURES'S RECOMMENDATIONS.

PAVING JOINT SEALANT

N.T.S.





JOINT PLATE DETAIL

TABLE ONE

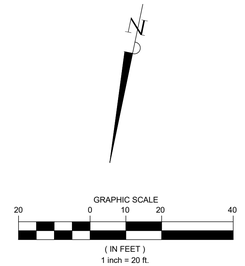
PAVEMENT THICKNESS (IN.)	DOWEL SIZES AND SPACINGS		
	DIAMETER (IN.)	LENGTH (IN.)	SPACING (IN.)
5	3/4	18	12
6	3/4	18	12
7	1	18	12
8	1	18	12

GENERAL NOTES:

1. DOWEL SIZE DEPENDANT UPON PAVING THICKNESS. REFER TO GEOTECHNICAL REPORT FOR SPECIFICATIONS.
2. REFER TO GEOTECHNICAL REPORT FOR DOWEL AND EXPANSION JOINT SPACING.
3. REFER TO PAVING PLAN FOR PAVING THICKNESS (T).

PAVING DOWEL AT EXPANSION JOINT

N.T.S.



BENCHMARK NOTE:

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

TEMPORARY BENCHMARK "A": ELEV: 13.00'

BEING A 60D NAIL EMBEDDED WITHIN A POWER POLE LOCATED +/- 30' FROM THE NORTH EASTERN CORNER OF THE PROPERTY. IT IS ALSO LOCATED +/- 190' FROM THE NORTH WESTERN CORNER OF THE PROPERTY.

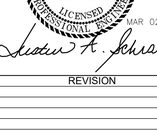
TEMPORARY BENCHMARK "B": ELEV: 12.47'

BEING A 60D NAIL EMBEDDED WITHIN ASPHALT LOCATED +/- 80' FROM THE NORTH WESTERN CORNER OF THE PROPERTY. IT IS ALSO LOCATED +/- 145' FROM THE NORTH EASTERN CORNER OF THE PROPERTY.

FLOOD STATEMENT:

THIS PROPERTY LIES WITHIN ZONE "X"; AREAS DETERMINED TO BE WITHIN 500-YEAR FLOODPLAIN PER THE FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NO. 48361C0070D WHICH BEARS AN EFFECTIVE DATE DECEMBER 16, 2021.

PRO-E CONSULTING
1334 Brittmoore Road
Suite # 2808
Houston, Texas 77043
Firm License F-21665
www.proe.consulting



DATE	REVISION

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

7125 HWY 87 N,
ORANGE, TEXAS 77632

PAVING & CONTROL JOINT PLAN

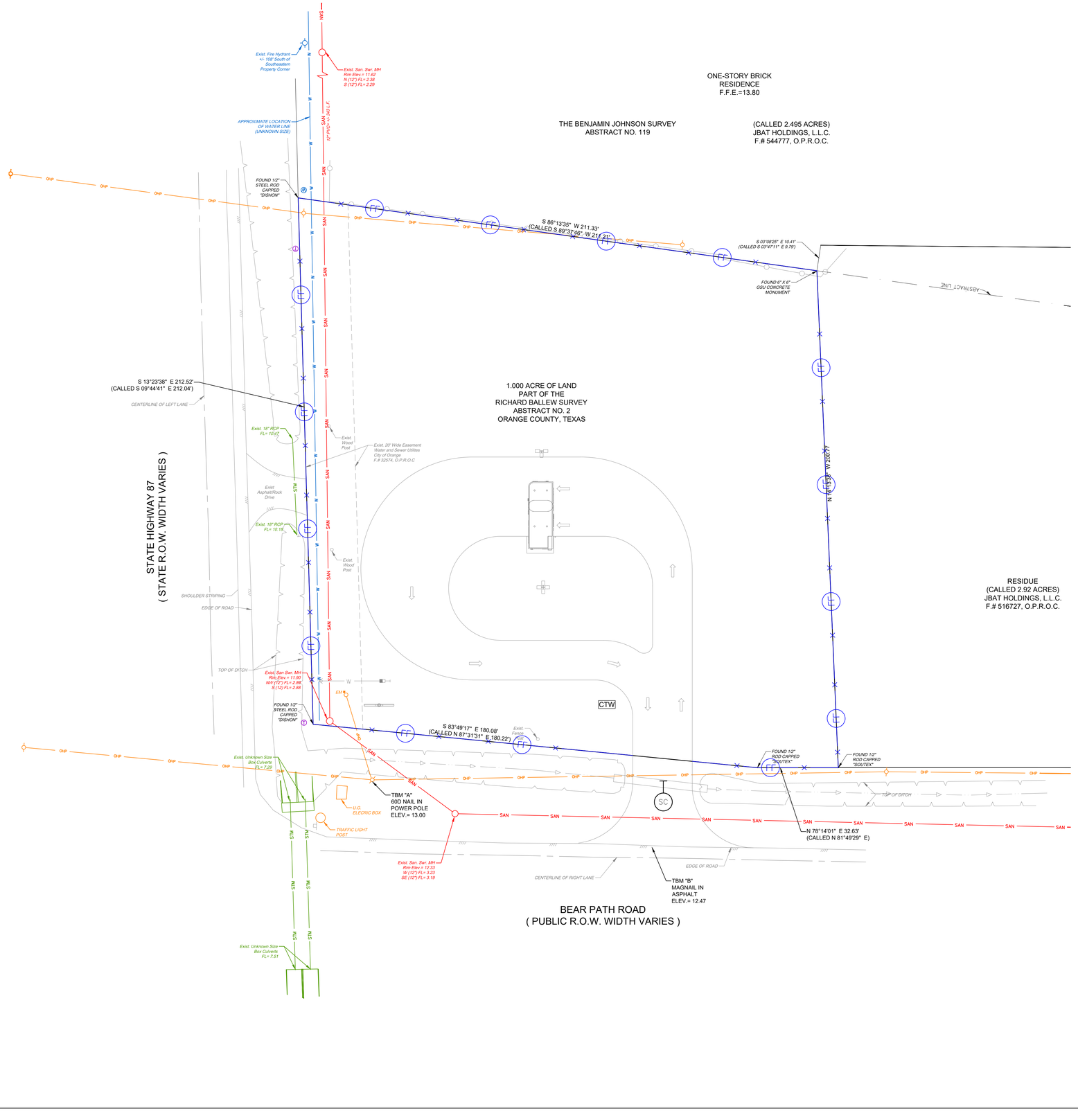
PRO-E PROJECT NO.: 1018-0016

SUBMITTED:
SCALE: 1" = 20'
DATE: MARCH, 2026
SURVEYED BY: SOUTEX SURVEYORS & ENGINEERS

DESIGNED BY: KH
DRAWN BY: PB
SHEET NO. C6 OF C9
CITY DWG NO:

PRIVATE PLANS - NECHES FEDERAL CREDIT UNION - LITTLE CYPRESS ITM; 7125 HWY 87 N, ORANGE, TEXAS 77632

Date\Time = Mon, 02 Mar 2026 - 2:36pm User Name = kendr
Path\Name = C:\Users\kendr\OneDrive - proe.consulting (1)\Projects\1018 - SLI Group\0016 - Neches FCU_Little Cypress\2 CAD\Private\C6 PAVING & CONTROL JOINT PLAN.dwg



LEGEND	
SYMBOL	DESCRIPTION
FF	FILTER FABRIC FENCE
RFB	REINFORCED FILTER FABRIC FENCE
IPB	STAGE I AND STAGE II INLET PROTECTION BARRIER
SC	STABILIZED CONSTRUCTION ACCESS
CTW	CONCRETE TRUCK WASHOUT AREA
FD TYPE 1	FILTER DAM

HYDROMULCH NOTE:

CONTRACTOR SHALL HYDROMULCH ALL NEWLY GRADED AREAS AND EXPOSED SOILS UPON PAVING COMPLETION.

CONSTRUCTION NOTE:

CONTRACTOR SHALL CONFIRM NO CONFLICTS BETWEEN EXISTING AND PROPOSED DRY/WET UTILITIES IN PUBLIC R.O.W., BEFORE STARTING SITE WORK CONSTRUCTION.

NOTE:

EXCESS SOIL MATERIAL IS THE RESPONSIBILITY OF THE CONTRACTOR & IS TO BE DISPOSED OFFSITE RESPONSIBLY AT NO SEPARATE PAY.

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

ALL LINES MUST BE FIELD VERIFIED

CAUTION EXIST GAS FACILITIES IN AREA

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1 inch = 20 ft.

BENCHMARK NOTE:

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

TEMPORARY BENCHMARK "A": ELEV: 13.00'

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TEMPORARY BENCHMARK "B": ELEV: 12.47'

BEING A 60D NAIL EMBEDDED WITHIN ASPHALT LOCATED +/- 80' FROM THE NORTH WESTERN CORNER OF THE PROPERTY. IT IS ALSO LOCATED +/- 145' FROM THE NORTH EASTERN CORNER OF THE PROPERTY.

FLOOD STATEMENT:

THIS PROPERTY LIES WITHIN ZONE "X"; AREAS DETERMIINED TO BE WITHIN 500-YEAR FLOODPLAIN PER THE FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NO. 48361C0070D WHICH BEARS AN EFFECTIVE DATE DECEMBER 16, 2021.

PRO-E CONSULTING
1334 Brittmoore Road
Suite # 2808
Houston, TX 77043
Firm License F-21665
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STATE OF TEXAS
JUSTIN A. SCHRADER
103736
LICENSED PROFESSIONAL ENGINEER
MAR 02 2026

DATE	REVISION

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

7125 HWY 87 N,
ORANGE, TEXAS 77632

STORM WATER POLLUTION PREVENTION MAP

PRO-E PROJECT NO.: 1018-0016

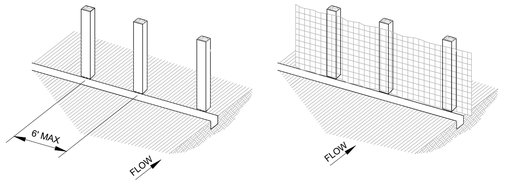
SUBMITTED:
SCALE: 1" = 20'
DATE: MARCH, 2026
SURVEYED BY: SOUTEX SURVEYORS & ENGINEERS

DESIGNED BY: KH
DRAWN BY: PB
SHEET NO. C7 OF C9
CITY DWG NO:

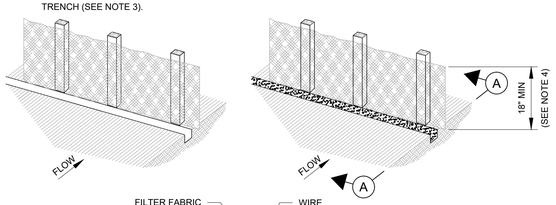
PRIVATE PLANS - NECHES FEDERAL CREDIT UNION - LITTLE CYPRESS ITM; 7125 HWY 87 N, ORANGE, TEXAS 77632

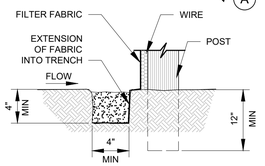
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Path\Name = C:\Users\kendr\OneDrive – proe.consulting (1)\Projects\1018 – SLI Group\0016 – Neches FCU_Little Cypress\2 CAD\Private\C7 STORM WATER POLLUTION PREVENTION MAP.dwg

1. SET POSTS AND EXCAVATE 4"x4" TRENCH UPSLOPE ALONG LINE OF POSTS (SEE NOTE 1).
2. SECURE WIRE FENCING TO POSTS (SEE NOTE 2).



3. ATTACH FILTER MATERIAL TO WIRE FENCE AND EXTEND IT INTO THE TRENCH (SEE NOTE 3).
4. BACKFILL AND COMPACT THE EXCAVATED SOIL.





SECTION A

NOTES

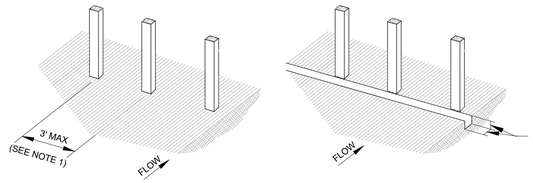
1. SET 2 INCH BY 2 INCH WOODEN STAKES SPACE A MAX OF 6 FEET APART AND EMBEDDED A MIN OF 12 INCHES.
2. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH STAPLES.
3. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE, WITH TIES SPACED EVERY 24 INCHES AT TOP AND MIDSECTION.
4. MINIMUM HEIGHT OF FILTER SHOULD BE 18 INCHES AND A MAXIMUM OF 36 INCHES ABOVE NATURAL GROUND.
5. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH EACH OTHER THEY SHALL BE OVERLAPPED 6 INCHES AT THE POSTS AND FOLDED.

SYMBOL

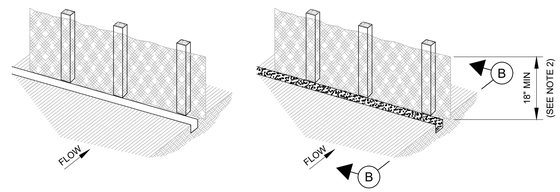
REINFORCED FILTER FABRIC BARRIER

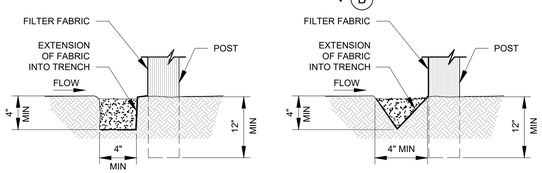
NTS

1. SET POSTS AT REQUIRED SPACING.
2. EXCAVATE A 4"x4" TRENCH UPSLOPE ALONG THE LINE OF STAKES.



3. ATTACH FILTER MATERIAL TO STAKES AND EXTEND IT INTO THE TRENCH.
4. BACKFILL AND COMPACT THE EXCAVATED SOIL.





SECTION B SECTION ALTERNATE B

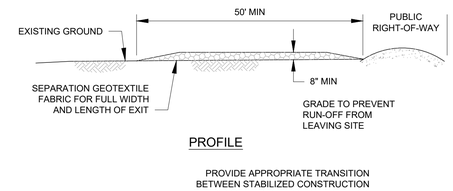
NOTES

1. 2 INCH THICK BY 2 INCH WOODEN STAKES TO BE SET AT MAX SPACING OF 3 FEET AND EMBEDDED A MIN OF 8 INCHES. IF PRE ASSEMBLED FENCE WITH SUPPORT NETTING IS USED, SPACING OF POST MAY BE INCREASED TO 8 FEET MAX.
2. ATTACH FILTER FABRIC TO WOODED STAKES. FILTER FABRIC FENCE SHALL HAVE A MIN HEIGHT OF 18 INCHES AND MAX HEIGHT OF 36 INCHES ABOVE NATURAL GROUND.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHOULD BE OVERLAPPED 6 INCHES AT THE POSTS AND FOLDED.
4. MINIMUM HEIGHT OF FILTER SHOULD BE 18 INCHES AND A MAXIMUM OF 36 INCHES ABOVE NATURAL GROUND.
5. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH EACH OTHER THEY SHALL BE OVERLAPPED 6 INCHES AT THE POSTS AND FOLDED.

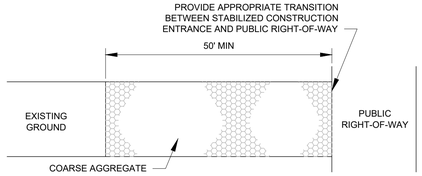
SYMBOL

FILTER FABRIC FENCE

NTS



PROFILE



PLAN

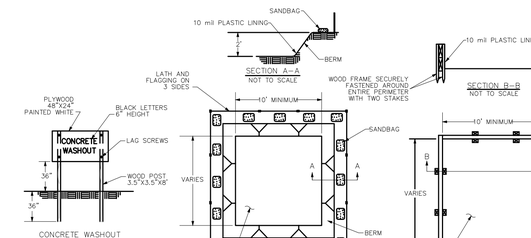
NOTES

1. LENGTH SHALL BE AS SHOWN ON THE CONSTRUCTION DRAWINGS, BUT NOT LESS THAN 50 FEET.
2. THICKNESS SHALL BE NOT LESS THAN 8 INCHES.
3. WIDTH SHALL BE NOT LESS FULL WIDTH OF ALL POINTS OF INGRESS OR ENGRESS.
4. STABILIZATION FOR OTHER AREAS SHALL HAVE THE SAME AGGREGATE THICKNESS AND WIDTH REQUIREMENTS AS THE STABILIZED CONSTRUCTION EXIT, UNLESS OTHERWISE SHOWN ON THE CONSTRUCTION DRAWINGS.
5. STABILIZED AREA MAY BE WIDENED OR LENGTHENED TO ACCOMMODATE A TRUCK WASHING AREA. AN OUTLET SEDIMENT TRAP MUST BE PROVIDED FOR THE TRUCK WASHING AREA.
6. STABILIZED CONSTRUCTION EXIT SHALL BE MAINTAINED FREE OF SEDIMENT FOR THE DURATION OF THE PROJECT.

SC
SYMBOL

STABILIZED CONSTRUCTION EXIT

NTS

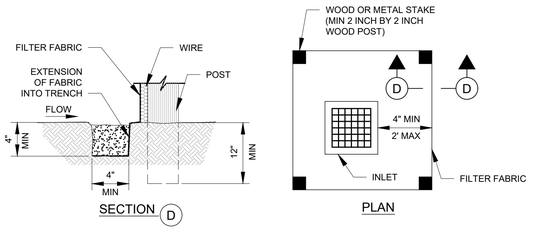


NOTES:

1. CONCRETE WASHOUT FACILITIES ARE TO BE LOCATED AT LEAST 50' FROM STORM DRAIN INLETS, OPEN DRAINAGE FACILITIES, OR WATER BODIES.
2. A CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30' OF THE CONCRETE WASHOUT FACILITY.
3. ONCE 75% OF THE ORIGINAL VOLUME OF THE WASHOUT PIT IS FILLED OR IF THE LINER IS TORN, THE MATERIAL MUST BE REMOVED AND PROPERLY DISPOSED OF ONCE IT IS COMPLETELY HARDENED. ONCE THE HARDENED CONCRETE IS REMOVED, THE LINER MUST BE REPLACED (IF TORN). A NEW PIT MUST BE CONSTRUCTED IF THE ORIGINAL STRUCTURE IS NO LONGER SUITABLE.
4. ONCE THE PIT IS NO LONGER NEEDED, ENSURE ALL WASHOUT MATERIAL HAS COMPLETELY HARDENED, THEN REMOVE AND PROPERLY DISPOSE OF ALL MATERIALS.

CONCRETE TRUCK WASHOUT

NTS

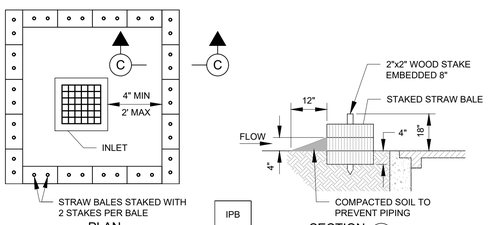


IPB
SYMBOL

NOTE
SEE CONSTRUCTION NOTES FOR REINFORCED FILTER FABRIC BARRIER

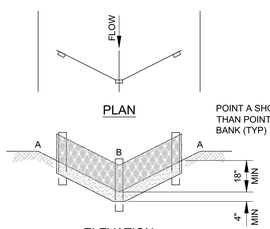
SILT FENCE DROP INLET PROTECTION BARRIER

NTS



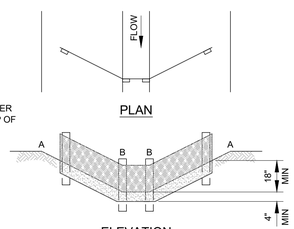
STRAW BALE DROP INLET PROTECTION BARRIER

NTS



"V-DITCH" SECTION

NTS



TRAPEZOIDAL SECTION

NTS

CONTRACTOR NOTES

1. CONTRACTOR IS RESPONSIBLE FOR DEVELOPING, IMPLEMENTING AND ADHERING TO THE CONTRACTOR DEVELOPED STORM WATER POLLUTION PREVENTION PLAN (SWPPP).
2. CONTRACTOR SHALL PREPARE ALL NOTICE OF INTENT FORMS FOR THE WORK AND OBTAIN THE NECESSARY CERTIFICATES AND SIGNATURES FROM THE OWNER, APPLICABLE SUBCONTRACTORS AND OTHERS AS REQUIRED.

4-2012

PRO-E CONSULTING
1334 Brittmoore Road
Suite # 2808
Houston, TX 77043
Firm License F-21665
www.proe.consulting

STATE OF TEXAS
JUSTIN A. SCHRADER
103758
LICENSED
PROFESSIONAL ENGINEER
MAR 02 2026

DATE	REVISION

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

7125 HWY 87 N,
ORANGE, TEXAS 77632

STORM WATER POLLUTION PREVENTION MAP DETAILS

PRO-E PROJECT NO.: 1018-0016

SUBMITTED:
SCALE: N/A
DATE: MARCH, 2026
SURVEYED BY: SOUTEX SURVEYORS & ENGINEERS

DESIGNED BY: KH
DRAWN BY: PB
SHEET NO. C8 OF C9

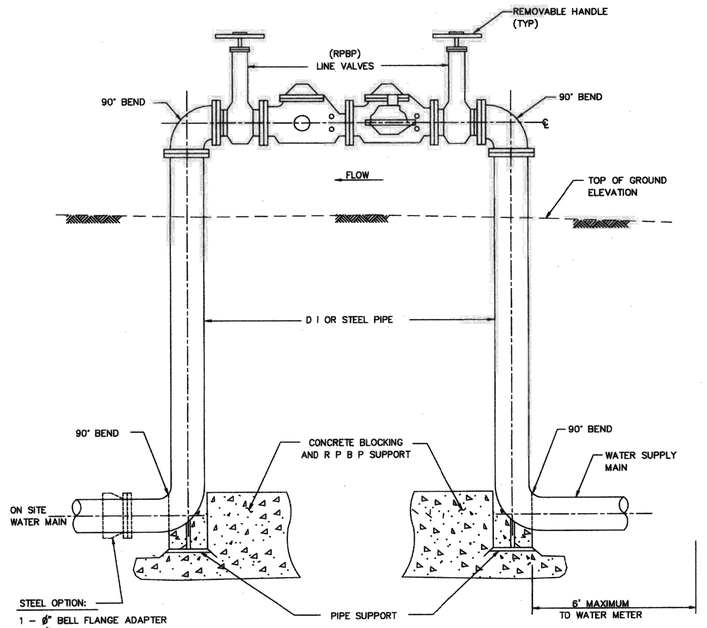
CITY DWG NO:

PRIVATE PLANS - NECHES FEDERAL CREDIT UNION - LITTLE CYPRESS ITM; 7125 HWY 87 N, ORANGE, TEXAS 77632

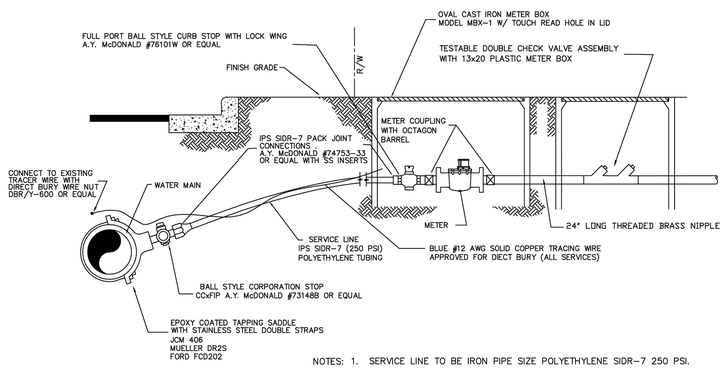
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Path\Name : C:\Users\kendr\OneDrive - proe.consulting (1)\Projects\1018 – SLI Group\0016 – Neches FCU_Little Cypress\2 CAD\Private\C8 STORM WATER POLLUTION PREVENTION MAP DETAILS.dwg

GENERAL NOTES:

1. INSULATE REDUCED PRESSURE BACKFLOW PREVENTER TO AVOID FREEZING.
2. REDUCED PRESSURE BACKFLOW PREVENTER'S DISCHARGE OPENING IS TO BE A MINIMUM OF 12 INCHES ABOVE GROUND ELEVATION OR 100 YEAR FLOOD ELEVATION WHICHEVER IS GREATER.



COMMERCIAL AND IRRIGATION 3/4" AND 1" WATER TAP AND METER DETAIL



NOTES:
1. SERVICE LINE TO BE IRON PIPE SIZE POLYETHYLENE SIDR-7 250 PSI.
2. WATER METER PROVIDED BY TOWN OF SILSBEE.
3. BACKFLOW SHALL BE TESTED AND REPORT SUBMITTED TO THE TOWN AFTER INSTALLATION AND BEFORE USE BY THE CUSTOMER.

REVISED: JULY 2019

PRO-E CONSULTING
1334 Brittmoore Road
Suite # 2808
Houston, TX 77043
Firm License F-21665
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STATE OF TEXAS
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MAR 02 2026

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7125 HWY 87 N,
ORANGE, TEXAS 77632

CONSTRUCTION DETAILS

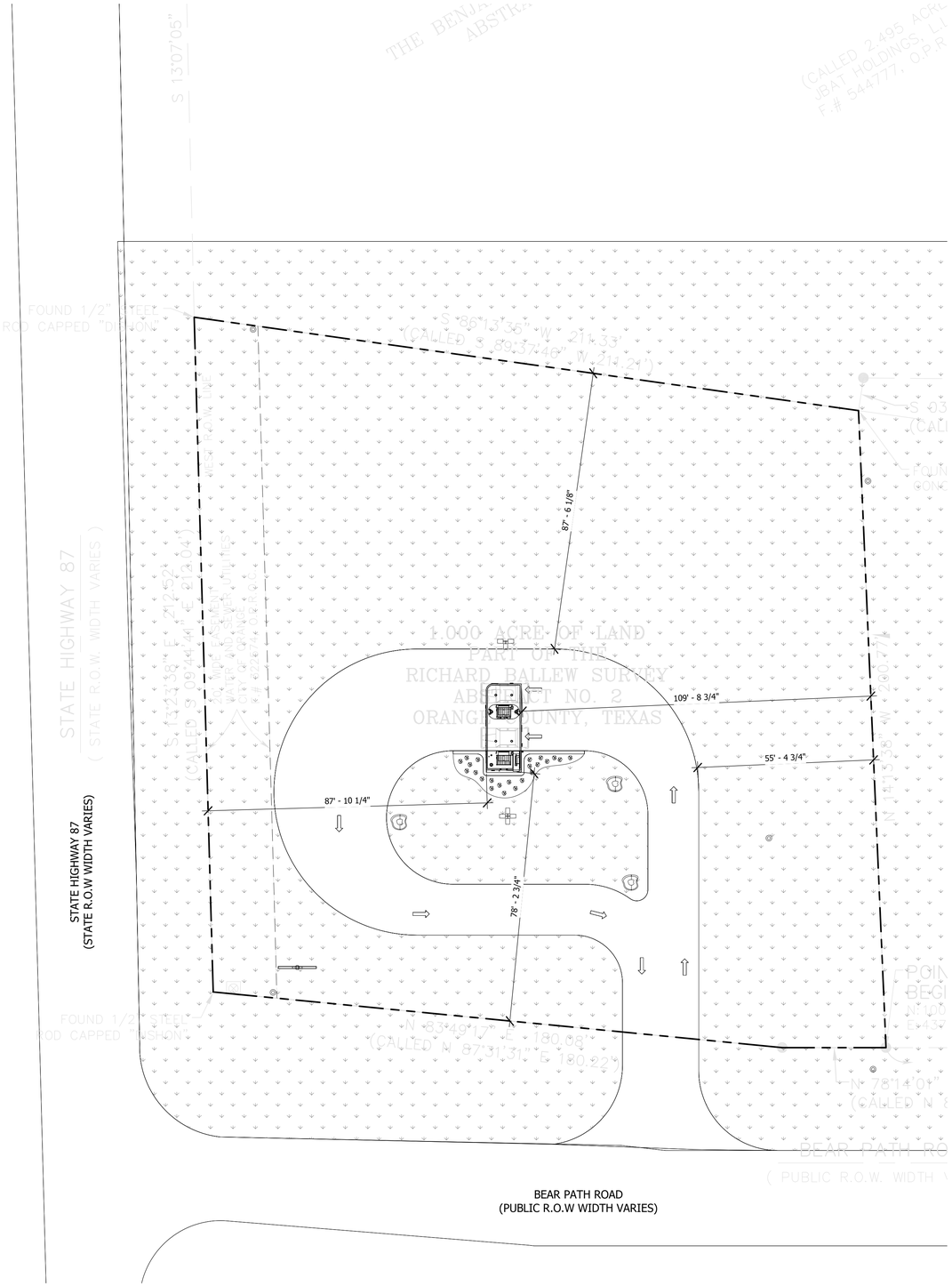
PRO-E PROJECT NO.: 1018-0016

SUBMITTED:
SCALE: N/A
DATE: MARCH, 2026
SURVEYED BY: SOUTEX SURVEYORS & ENGINEERS

DESIGNED BY: KH
DRAWN BY: PB
SHEET NO. C9 OF C9
CITY DWG NO:

PRIVATE PLANS - NECHES FEDERAL CREDIT UNION - LITTLE CYPRESS ITM; 7125 HWY 87 N, ORANGE, TEXAS 77632

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1 OVERALL SITE
1" = 20'-0"

SLI DESIGN, INC.
ARCHITECTURE PLANNING INTERIOR DESIGN
15810 PARK TEN PLACE, SUITE 300
HOUSTON, TEXAS 77084
713-465-4650
www.sligroup.com
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Neches FCU - Little Cypress ITM

7125 HWY 87 N
ORANGE, TX 77630

Project Number : 8976

ISSUED FOR	DATE
ISSUED FOR CLIENT APPROVAL	02.20.2026
ISSUED FOR BIDDING	03.03.2026
ISSUED FOR PERMIT	03.03.2026
ISSUED FOR CONSTRUCTION	

REVISIONS

MARK	DESCRIPTION	DATE

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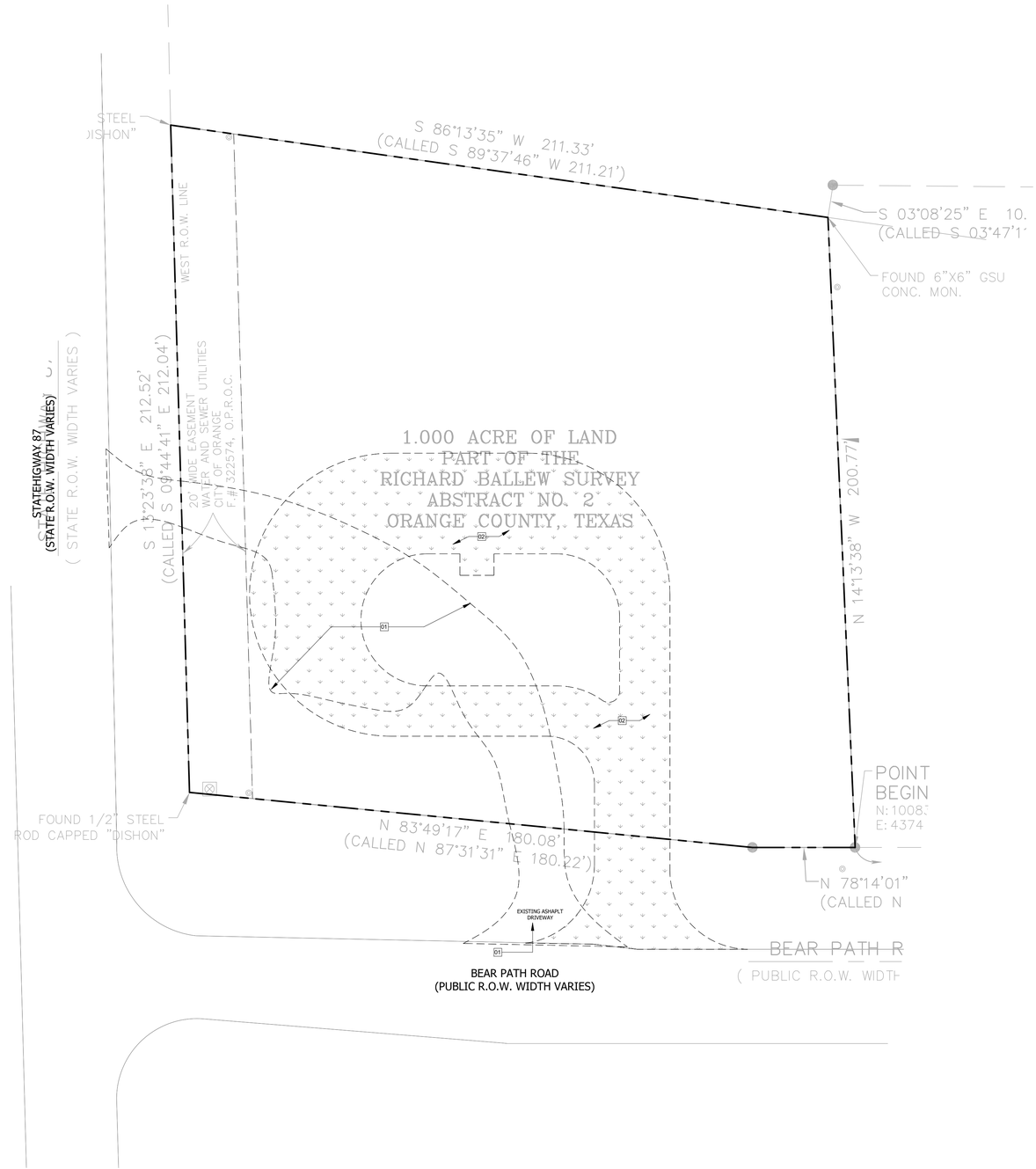
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REGISTERED ARCHITECT
THOMAS B. LANIER
14288
STATE OF TEXAS
03/03/2026

DRAWING TITLE
OVERALL SITE

DRAWN BY	RG	SHEET NO.
CHECKED BY	BL	SP-1.00
APPROVED BY	TB	

X:\Neches FCU - Little Cypress ITM\Drawings\Revit\Neches FCU - Little Cypress ITM_ V26_25 1024.rvt



DEMO SITE KEYED NOTES	
NOTE NUMBER	NOTE TEXT
01	DEMO EXISTING ASPHALT DRIVEWAY ENTRANCE
02	STRIP AND GRUB SITE

TRUE NORTH PLAN NORTH

1 SITE DEMO
1" = 20'-0"

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Neches FCU - Little Cypress ITM

7125 HWY 87 N
ORANGE, TX 77630

Project Number : 8976

ISSUED FOR CLIENT APPROVAL	DATE 02.20.2026
ISSUED FOR BIDDING	03.03.2026
ISSUED FOR PERMIT	03.03.2026
ISSUED FOR CONSTRUCTION	

REVISIONS

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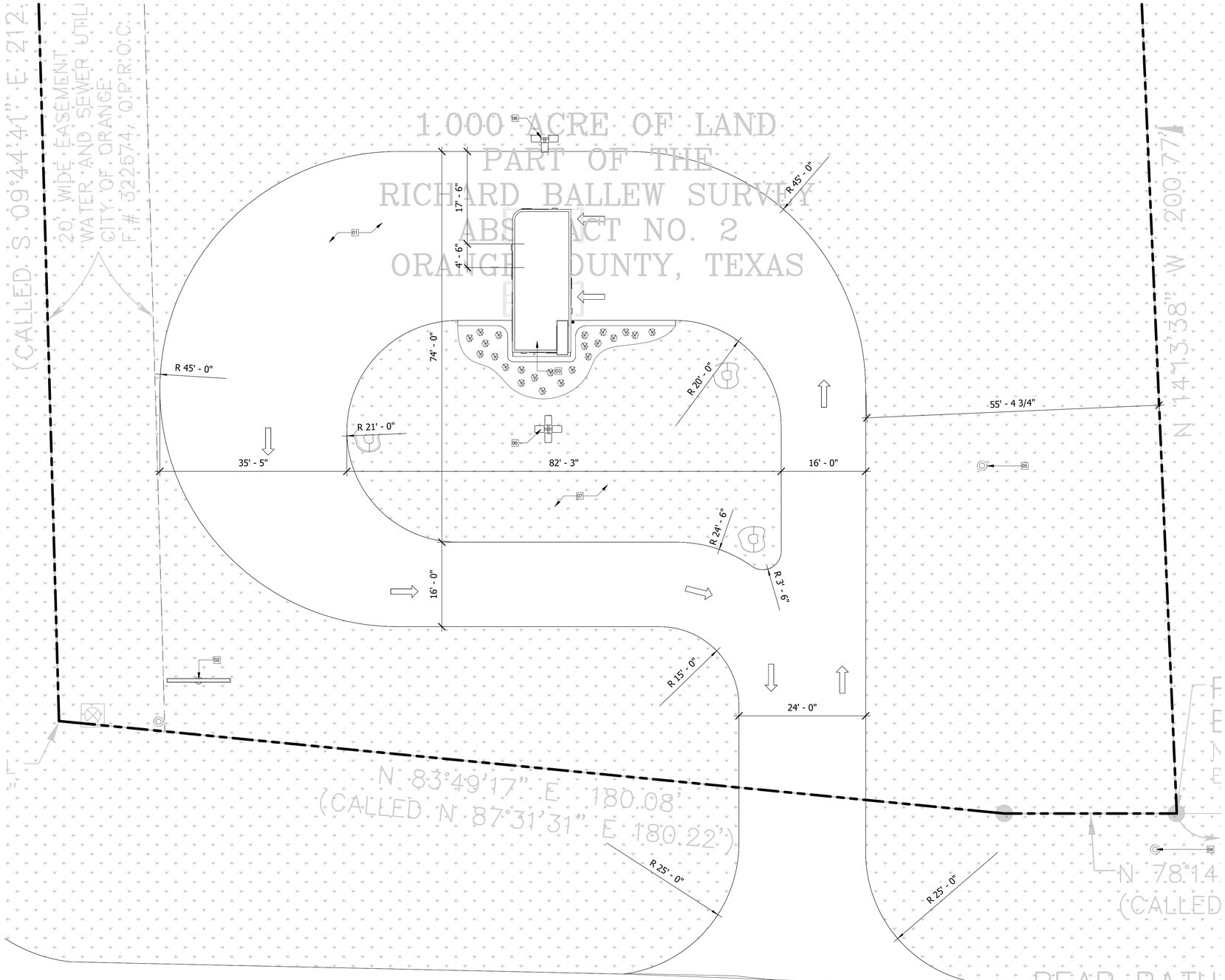
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THOMAS B. LAMBERT
14288
STATE OF TEXAS
03/03/2026

DRAWING TITLE
SITE DEMO PLAN

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SP-1.01

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BEAR PATH ROAD
(PUBLIC R.O.W WIDTH VARIES)

TRUE NORTH PLAN NORTH

1 SITE PLAN
1" = 10'-0"

SITE KEYED NOTES	
NOTE NUMBER	NOTE TEXT
01	NEW PAVING
02	NEW DOUBLE SIDED ILLUMINATED PYLON SIGN
03	NEW ITM KIOSK STATION
04	EXISTING POWER POLE
05	PROPOSED NEW UTILITY TRANSFORMER POWER POLE LOCATION
06	NEW LIGHT POLE
07	HYDRO MULCH AND DROUGHT RESISTANT PLANTS

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7125 HWY 87 N
ORANGE, TX 77630

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REGISTERED ARCHITECT
THOMAS B. LAWLER
14288
STATE OF TEXAS
03/03/2026

DRAWING TITLE
SITE PLAN

DRAWN BY	RG
CHECKED BY	BL
APPROVED BY	TB

SHEET NO.
SP-1.10

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GENERAL NOTES

1. ALL NEW LANDSCAPE AREAS AND PLANTINGS (EXCEPT UNDEVELOPED PORTION) TO BE IRRIGATED WITH A PROFESSIONALLY DESIGNED AND INSTALLED AUTOMATIC LANDSCAPE IRRIGATION SYSTEM. IRRIGATION PLAN TO BE PROVIDED UPON SITE AND LANDSCAPE APPROVAL.

2. IRRIGATION CONTROL BOX TO BE LOCATED IN DATA & ELECTRICAL 15.

LANDSCAPE CONSTRUCTION SPECIFICATIONS :

1. GENERAL CONTRACTOR TO BRING ALL AREAS TO FINAL GRADE USING A GRADABLE SOIL AND/OR SAND MIX AND BOX BLADE.

2. PREPARE ALL NEW PLANTING BEDS BY REMOVING ALL ROCKS,CONCRETE AND CONSTRUCTION DEBRIS AND TILL IN 3" OF NEW ACIDIC MIXED SOIL AND PRE-EMERGANT HERBICIDE SUCH AS PENNANTOR EPTAM AT THE RECOMMENDED RATES, THEN RAKE ALL BED AREAS SMOOTH PRIOR TO PLANTING. INSTALL 1/8"X 4" GREEN STEEL LANDSCAPE EDGING AS INDICATED ON PLAN WHERE NEW PLANTING BEDS MEET TURF. WHEN END OF EDGING BUTTS UP AGAINST PAVING, TRIM EXPOSED CORNER AT 45 DEGREE ANGLE FOR PEDESTRIAN SAFETY.

3. GRADE ALL PLANTING BEDS TO EDGES OF BEDS AND AWAY FROM BUILDINGS PRIOR TO PLANTING FOR POSITIVE DRAINAGE AWAY FROM FOUNDATION(S).

4. FERTILIZE ALL NEW TREES, SHRUBS AND GROUND COVERS WITH OSMOCOTE (OR EQUAL) TIME-RELEASE FERTILIZER. FERTILIZE NEW FLOWER PLANTINGS WITH SUPER BLOOM (OR EQUAL) AND APPLY FUNGICIDE AND BUG-BAIT TO SAME BEDS.

5. MULCH ALL NEW PLANTING BEDS AND TREES WITH A 2" (AVG.)LAYER OF SHREDDED HARDWOOD TOP DRESS MULCH AS FROM LETCO OR CJM SOIL SUPERMARKET.

6. DOUBLE-STAKE ALL SPECIFIED TREES (SEE PLANT LIST) WITH 2(7' TALL) PAINTED METAL T-POSTS, MULTI-STRAND COATED STEELWIRE AND CLEAR POLY-VINYL TUBING.

7. ROOT-STIMULATE ALL NEW TREES WITH SUPERTHRIVE BRAND ROOT-STIMULATOR (OR EQUAL) AS PER MANUFACTURERS RECOMMENDATIONS .

8. PLANT SIZES SHOWN ARE THE MINIMUM ACCEPTABLE. PLANTS WILL BE INSPECTED AND MEASURED FOR CONFORMANCE. PLANTS SPECIFIED WITH CONTAINER SIZE ONLY SHALL BE OF OR BETTER THAN LOCALLY ACCEPTED NURSERY STANDARDS. OBVIOUSLY UNDERSIZED,MISSHAPEN, WEAK OR INADEQUATELY ROOTED PLANTS WILL BE REJECTED. THE OWNER'S DECISION WILL BE FINAL IN MATTERS CONCERNING PLANT SIZE, CONDITION AND HEALTH. PLANTS LARGER IN SIZE THAN SPECIFIED MAY BE USED IF APPROVED BY THE LANDSCAPE ARCHITECT OR THE OWNER, BUT THE USE OF LARGER PLANTS WILL NOT AUTOMATICALLY INCREASE THE CONTRACT AMOUNT.

9. THOROUGHLY HANDWATER ALL NEW PLANTINGS IMMEDIATELY AFTER PLANTING AND A SOFTEN AS NECESSARY AFTER PLANTING, DURING DURATION OF WORK AND UNTIL THEY ARE ESTABLISHED ENOUGH TO RELY ONLY ON IRRIGATION.

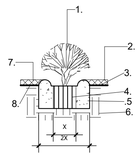
10. FINE GRADE ALL NEW TURF AREAS (BY HAND IF NECESSARY)PRIOR TO INSTALLATION OF GRASS. THIS IS FOR A NICE SMOOTHTURF-BED AS WELL AS FOR NORMAL DRAINAGE PURPOSES.

11. 11.) SOLID SOD TO BE 99 PERCENT COMMON BERMUDAGRASS. SOD TO BE ROLLED IMMEDIATELY AFTER WETTING AND INSTALLATION. HYDROMULCH SHALL BE COMMON BERMUDA GRASS : 10 LBS.HULLED SEED PER 1000 S.F., GREEN FIBER AND FERTILIZER MIX /SLURRY.

12. 12.) LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR KEEPING JOBSITE NEAT, CLEAN AND SAFE AT ALL TIMES IN REFERENCE TOTHEIR LANDSCAPE WORK. EXCESS EXCAVATED SOIL, ACCUMULATIONS OF LANDSCAPE RELATED TRASH, PLANT CONTAINERS ETC. TO BE REMOVED FROM JOBSITE BY LANDSCAPE CONTRACTORDAILY AND AT THE END OF THE PROJECT.

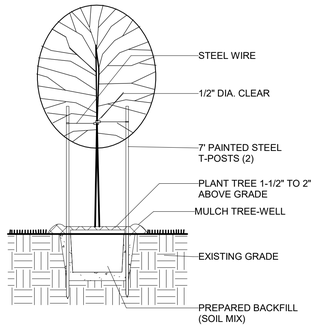
13. THE OWNER, LANDSCAPE ARCHITECT AND GENERAL CONTRACTOR RESERVE THE RIGHT TO INSPECT THE PROGRESS OF THE PROJECT AND ANY OR ALL OF THE MATERIALS AND PROCEDURES USED AT ANY TIME. SUCH MATERIALS AND PROCEDURES WILL BE SUBJECT TO APPROVAL OR REJECTION AT THAT TIME AND PROMPTLY FOLLOWED UP IN WRITING TO ALL CONCERNED PARTIES.

14. 14) SITE IRRIGATED 100%. SUBCONTRACTOR TO DETERMINE LAYOUT AND SLEEVES

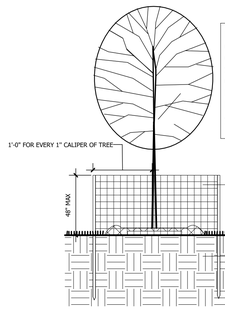


1. SHRUB, PERENNIAL, OR ORNAMENTAL GRASS.
2. MULCH, TYPE AND DEPTH PER PLANS. PLACE NO MORE THAN 1" OF MULCH WITHIN 6" OF PLANT CENTER
3. FINISH GRADE.
4. ROOT BALL.
5. BACFIL. AMEND AND FERTILIZE ONLY AS RECOMMEND IN SOIL FERTILITY ANALYSIS.
6. UNDISTURBED NATIVE SOIL.
7. 3" HIGH EARTHEN WATERING BASIN.
8. WEED FABRIC UNDER MULCH.

6 SHRUB AND PERENNIAL PLANTING
N.T.S.



8 TREE PLANTING DETAIL
N.T.S.

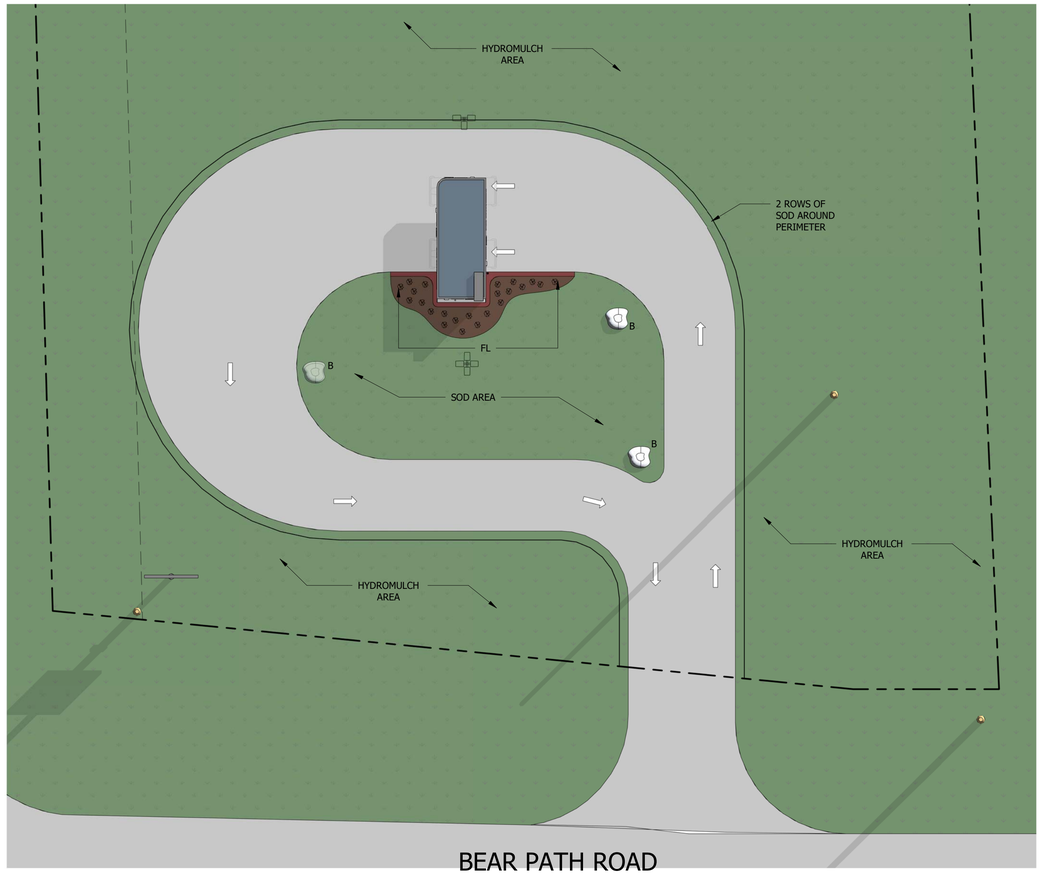


BARRICADE FOR INDICATED TREES TO BE CONSTRUCTED WITH 48" HIGH ORANGEPLASTIC CONSTRUCTION NETTING AND SECURED TO STEEL T-POSTS. BARRICADE TOBE PLACED IN A CIRCLE AROUND INDICATED TREES A RADIAL DISTANCE OF 1' FOREVERY 1" CALIPER OF TREE. BARRICADE MUST BE IN PLACE PROIR TO ANYDEVELOPMENT ACTIVITY AS WELL THROUGHOUT THE CONSTRUCTION PROCESS.

7 TREE BARRICADE DETAIL
N.T.S.

LANDSCAPE INFORMATION

SYMBOL	CALIPER	TYPE	SCIENTIFIC/COMMON NAME	SIZE	QUANTITY	NOTES
		GRAVEL	RIVER ROCK	1 - 1 ½"	APPROX. 57 SQ.	WASHED ROUND RIVER ROCK (MULTI-COLOR) (2.5" MIN. DEPTH)12IN WIDE. BROWN METAL EDGING AT PERIMETER
		SOIL	GARDEN SOIL		APPROX. 237 SQ.	BROWN METAL EDGING AT PERIMETER
FL		PLANTS	ASPHODELACEAE, FLAX LILY		APPROX. 23	
B		BOULDER			3	



BEAR PATH ROAD
(PUBLIC R.O.W WIDTH VARIES)

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Neches FCU - Little Cypress ITM
7125 HWY 87 N
ORANGE, TX 77630

Project Number : 8976

ISSUED FOR	DATE
ISSUED FOR CLIENT APPROVAL	02.20.2026
ISSUED FOR BIDDING	03.03.2026
ISSUED FOR PERMIT	03.03.2026
ISSUED FOR CONSTRUCTION	

REVISIONS

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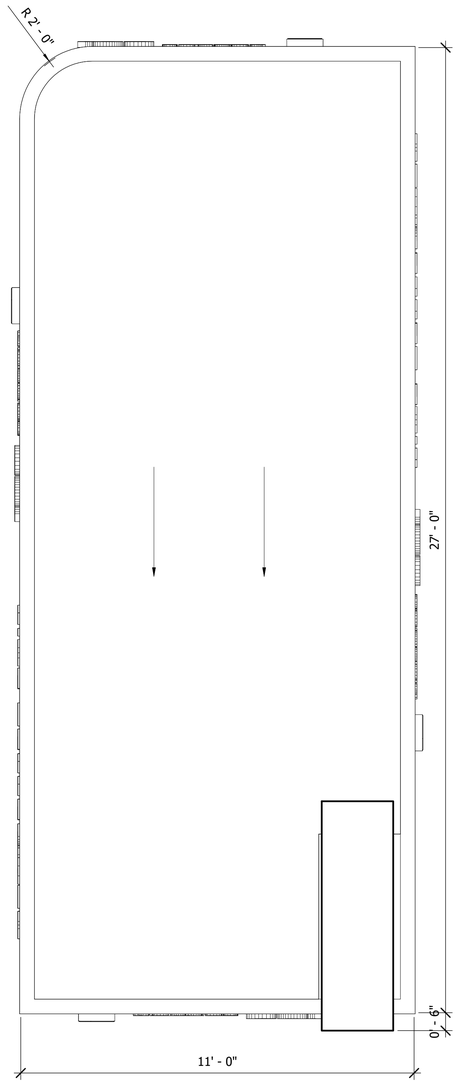
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REGISTERED ARCHITECT THOMAS R. BAKER 14288 STATE OF TEXAS
03/03/2026

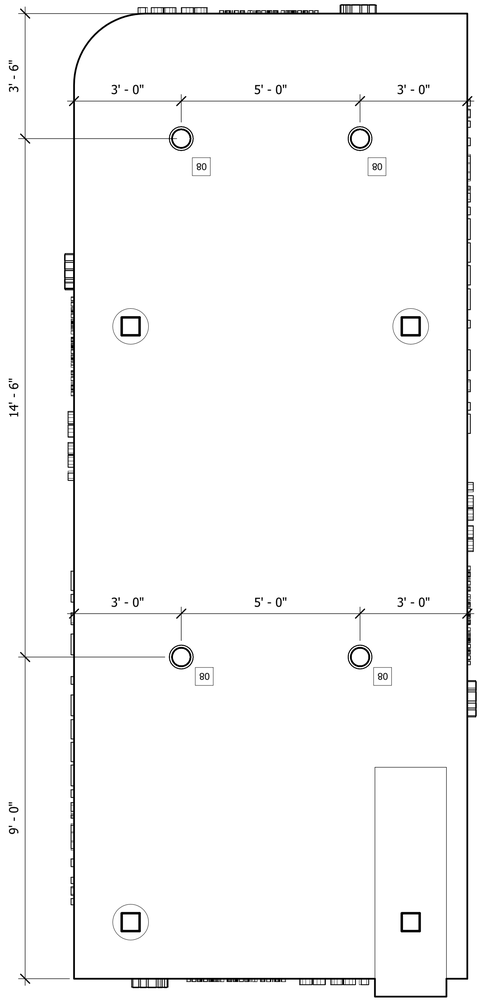
DRAWING TITLE
LANDSCAPE PLAN

DRAWN BY	RG	SHEET NO.
CHECKED BY	BL	SP-1.20
APPROVED BY	TB	

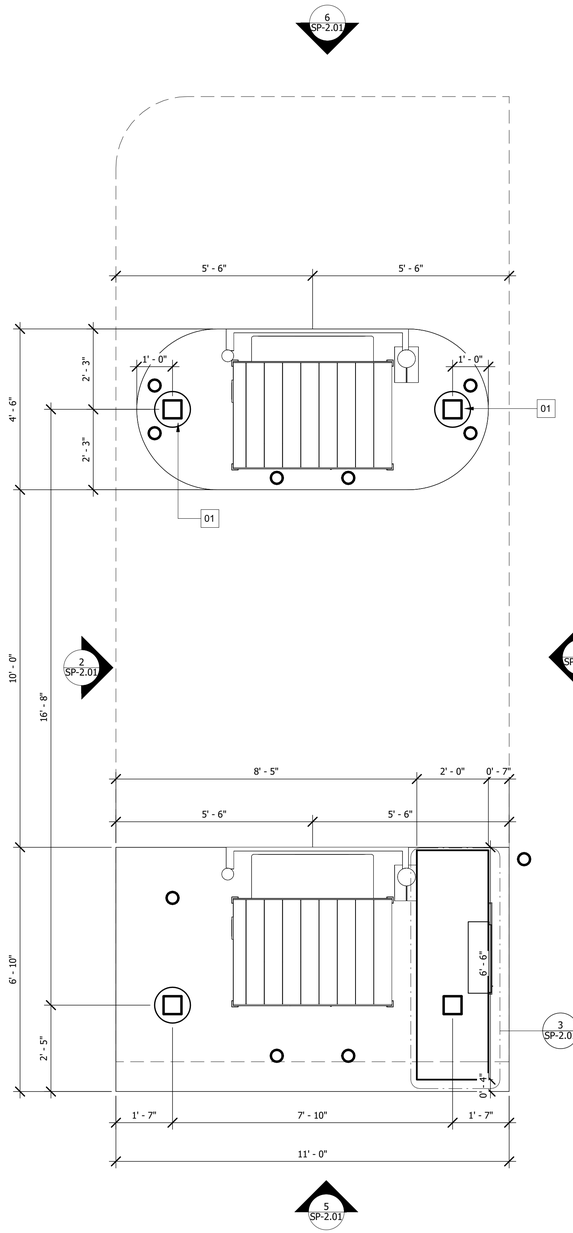
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3 CANOPY ROOF PLAN
1/2" = 1'-0"



2 CANOPY RCP
1/2" = 1'-0"



1 PLAN
1/2" = 1'-0"

ITM STATION SCHEDULE

FIELD STONE:
FOND DU LAC STONE INC. 70% GRAPHITE COUNTRY AND 30% FOND DU LAC COUNTRY
FINISH: CHOPPED
PATTERN: ASHLAR
MORTAR COLOR: HCM SMOKE OR SIMILAR

FIELD STUCCO:
SAND PEBBLE FINE FINISH
104 DOVER SKY

METAL COLOR:
BERRIDGE ROYAL BLUE

METAL COPPING CAP:
CLEAR ANODIZED

ITM ENCLOSURE:
KNOTWOOD TEAK BROWN ALUMINUM

ITM NOTES	
NOTE NUMBER	NOTE TEXT
01	FIELD STONE RE: SCHEDULE
02	METAL COPPING CAP
03	MCM CLADDED COLUMN RE: SCHEDULE
04	NEW BOLLARDS RE:CIVIL DETAILS
05	SCHEDULED ITM MACHINE
06	PRE MANUFACTURED ITM MACHINE ENCLOSURE WITH LOCKABLE FRONT AND REAR HINGED DOORS
07	ITM SIGNAGE RE: SP-3.00
08	SCHEDULED LIGHT FIXTURE RE: ELECTRICAL DWGS.
09	CUSTOM ALUMINUM CANOPY

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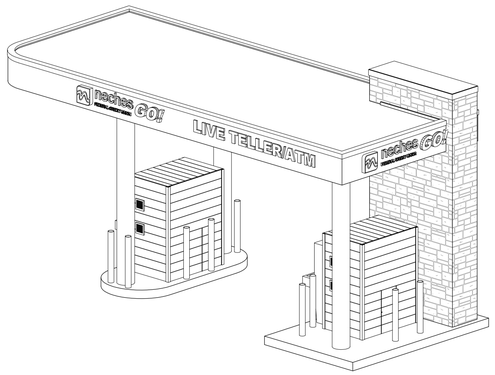
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03/03/2026

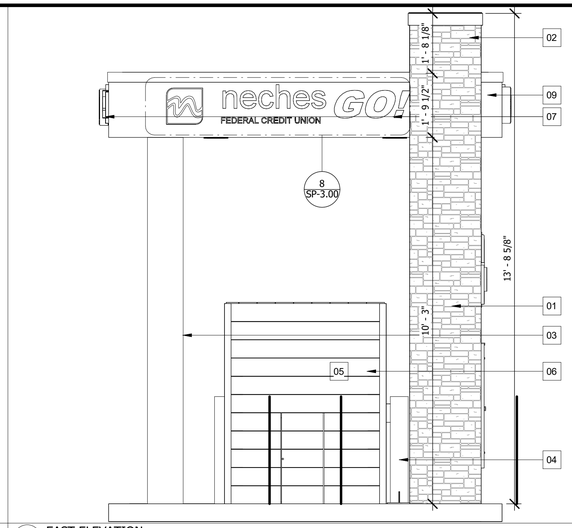
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ITM KIOSK DETAILS

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APPROVED BY	TB	

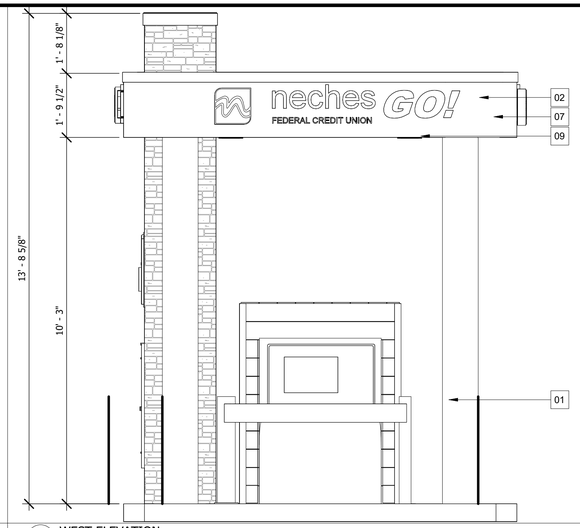
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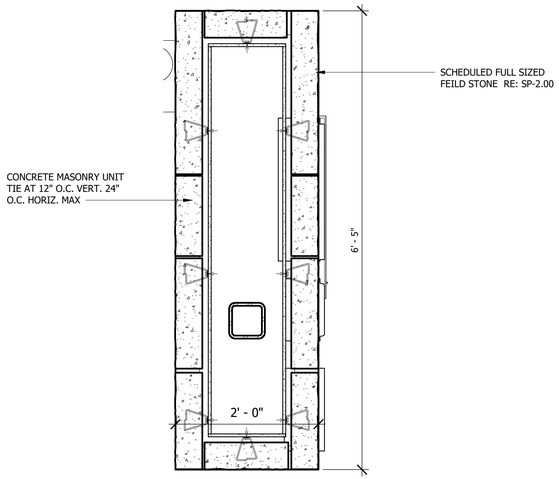
4 3D Ortho



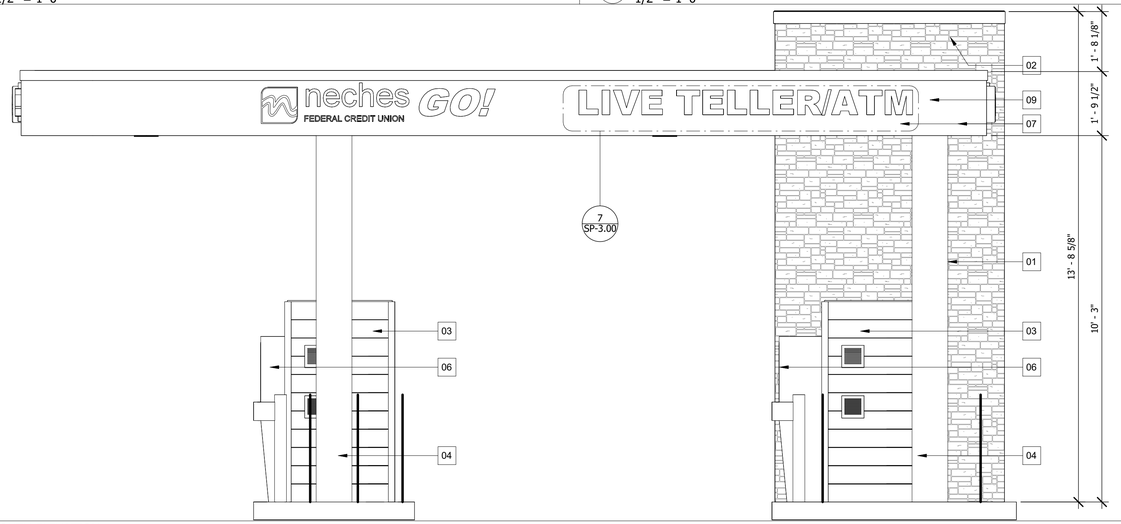
5 EAST ELEVATION
1/2" = 1'-0"



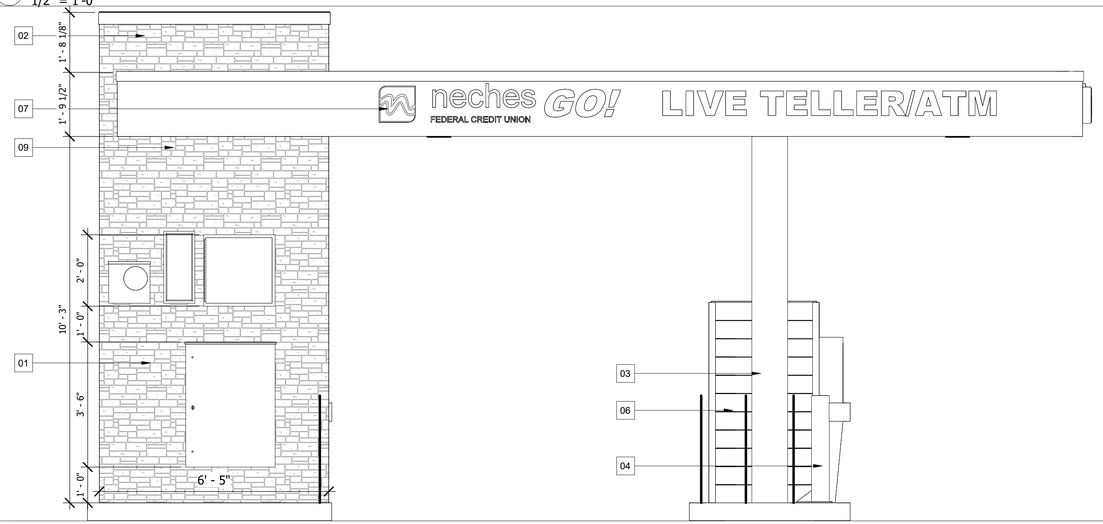
6 WEST ELEVATION
1/2" = 1'-0"



3 PLAN DETAIL- STONE WALL
1" = 1'-0"



2 SOUTH ELEVATION
1/2" = 1'-0"



1 NORTH ELEVATION
1/2" = 1'-0"

ITM STATION SCHEDULE

FIELD STONE:
FOND DU LAC STONE INC. 70% GRAPHITE COUNTRY AND 30% FOND DU LAC COUNTRY
FINISH: CHOPPED
PATTERN: ASHLAR
MORTAR COLOR: HCM SMOKE OR SIMILAR

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METAL COLOR:
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METAL COPPING CAP:
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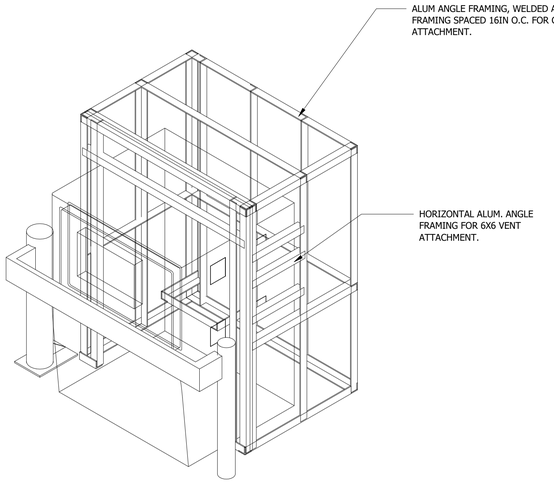
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REGISTERED ARCHITECT
THOMAS B. BAKER
14288
STATE OF TEXAS
03/03/2026

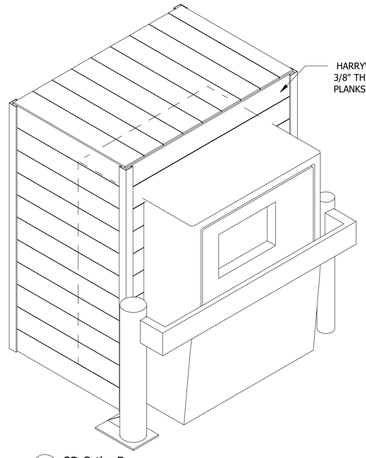
DRAWING TITLE
ITM KIOSK DETAILS

DRAWN BY	RG	SHEET NO.
CHECKED BY	BL	SP-2.01
APPROVED BY	TB	

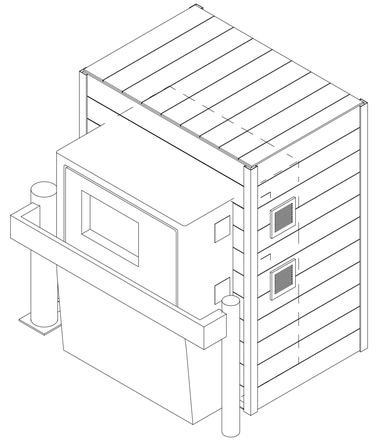
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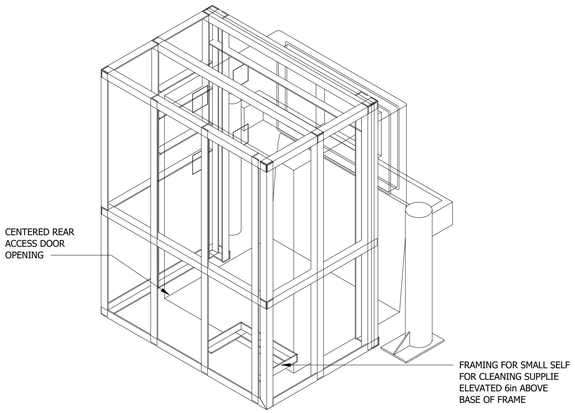
2 3D Ortho Structure A



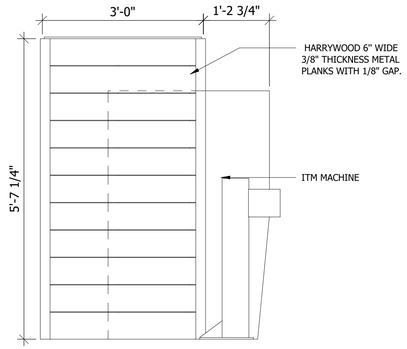
3 3D Ortho B



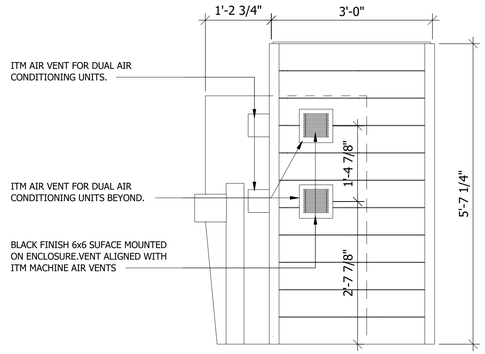
1 3D Ortho



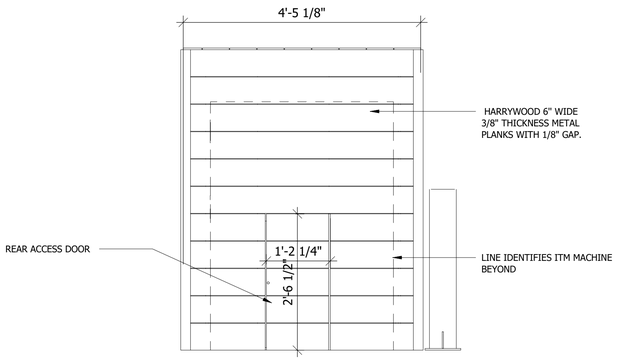
9 3D Ortho Structure B



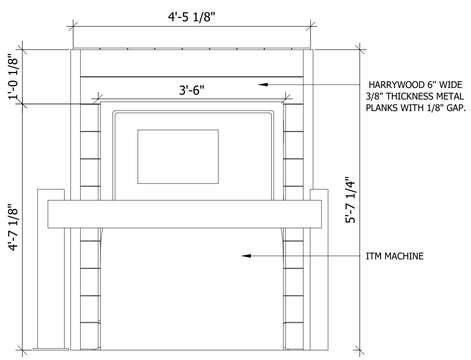
6 Elevation Left



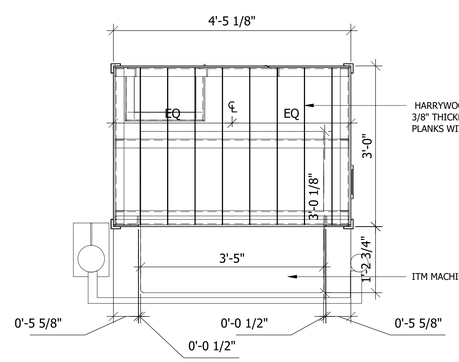
4 Elevation Right



8 Elevation Back



5 Elevation Front



7 Elevation Top

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Neches FCU - Little Cypress ITM

7125 HWY 87 N
ORANGE, TX 77630

Project Number : 8976

	DATE
ISSUED FOR CLIENT APPROVAL	02.20.2026
ISSUED FOR BIDDING	03.03.2026
ISSUED FOR PERMIT	03.03.2026
ISSUED FOR CONSTRUCTION	

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REGISTERED ARCHITECT TOMAS B. TAMER 14288 STATE OF TEXAS

03/03/2026

DRAWING TITLE
ITM ENCLOSURE

DRAWN BY	RG	SHEET NO.
CHECKED BY	BL	SP-2.10
APPROVED BY	TB	

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SERVICING AREAS

The optimum servicing area provides the best access to the ATM for all servicing and operation tasks.

Wherever possible the ATM should be installed within the optimum servicing area.

If the optimum area is not available then refer to Servicing Areas - Minimum. However note that installing the ATM in the minimum servicing area may increase the servicing and/or upgrading time over a ATM installed using the optimum area.

Always leave as much space as possible around the ATM to facilitate safe operation and servicing.

Optimum

Minimum

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PACKAGE DIMENSIONS

ATM DIMENSIONS

WEIGHT

Standard Security Enclosures

	CEN Grade 1
Maximum weight	362 kg (797.7 lb.)
Floor loading	596 kg/m² (122.1 lb./ft²)

ISLAND DIMENSIONS AND BOLLARD LOCATIONS

The illustration below shows the dimensions for the minimum island size.

NCR recommends that the rear bollards are **102 mm** (4.0 in.) in diameter, and positioned in line with the rear of the ATM, front bollards are **102 mm** (4.0 in.) in diameter and positioned **25.4 mm** (1.0 in.) back from the front of the island.

When locating the bollards allow sufficient working space for servicing the air conditioning unit.

Anti-theft Bollards

If anti-theft bollards (also known as anti lassoing bollards) are to be fitted, the bollard exclusion zone around the ATM must be complied with to allow sufficient access for removing panels, refer to the Servicing Areas section.

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SECURITY BOLTS

The island, or base, must be capable of withstanding the loading imposed by the anchor points for the bolts. Bolts and anchors must be supplied by the owning organisation.

To ensure conformity to EN1143-1 Anchoring Strength Test, it is recommended that the ATM is bolted to the island, or base, through all six of the security enclosure bolt holes, using bolts with anchor washers as specified below. Bolts and anchor washers are to be supplied by the owning organisation.

Make sure that the island, or base, is capable of withstanding the loading imposed by the anchor points for these bolts.

If an adjustable plinth is used, it must be bolted to the island, or base, to the same specification as the ATM.

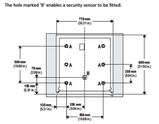
The minimum specification for bolts and washers to secure the ATM is:

- Bolts
  - Type - either resin anchor or shield anchor bolts
  - Size - **M16** (5/8 in.)
  - Minimum Length - **150 mm** (5.9 in.)
  - Strength - high tensile (minimum ISO property class **8.8**).
- Washers
  - Type - flat, steel (as per DIN7349 or equivalent)
  - Size - **M16** (5/8 in.)
  - Outer diameter - no greater than **40 mm** (1.58 in.)
  - Minimum thickness - **4 mm** (0.2 in.).

BOLT HOLES

The ATM should be bolted to the floor or plinth, through the holes marked 'A', using the six bolts with anchor washers.

The hole marked 'B' enables a security sensor to be fitted.



CABLE ENTRY

Cables enter the ATM through a hole in the base of the security enclosure. There should be a conduit hole in the island of sufficient size to allow the cables to be coiled ready to be brought into the security enclosure.

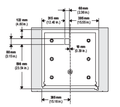
Make sure that the island conduit hole is free from any material that may impede the cables. The hole should not be sealed or filled with concrete.

The actual conduit hole may be larger than the that shown depending on the installation.

Distribution boxes and any power and wiring conduits must not protrude above the surface of the island.

ATM Cable Entry

CEN Security Enclosure



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ITM: NCR SELFSERV 88 ATM

DESIGN, INC.

ARCHITECTURE PLANNING INTERIOR DESIGN

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HOUSTON, TEXAS 77084
713-465-4650
www.sligroup.com

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Neches FCU - Little Cypress ITM

7125 HWY 87 N
ORANGE, TX 77630

Project Number : 8976

	DATE
ISSUED FOR CLIENT APPROVAL	02.20.2026
ISSUED FOR BIDDING	03.03.2026
ISSUED FOR PERMIT	03.03.2026
ISSUED FOR CONSTRUCTION	

REVISIONS

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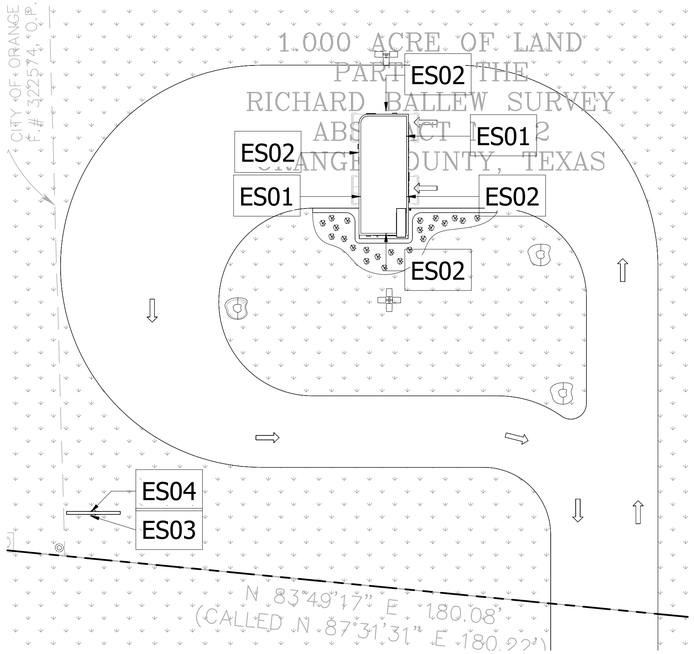
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REGISTERED ARCHITECT
THOMAS B. TAYLOR
14288
STATE OF TEXAS
03/03/2026

DRAWING TITLE
BANK EQUIPEMENT

DRAWN BY	RG	SHEET NO.
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APPROVED BY	TB	

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5 SIGNAGE SITE PLAN
1/16" = 1'-0"

EXTERIOR SIGNAGE NOTES:

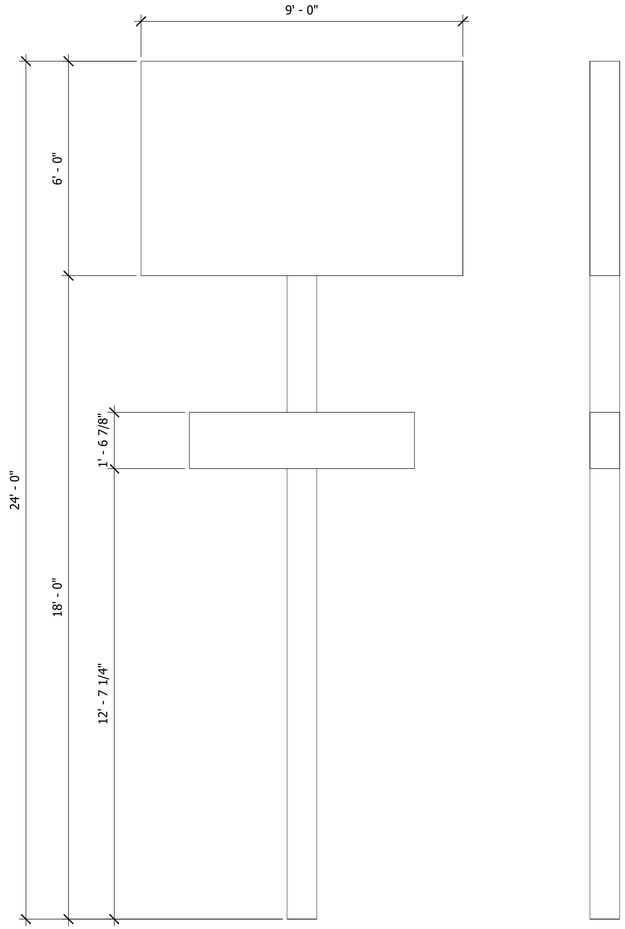
1. MOUNTING DETAILS- LETTER SHALL BE PIN MOUNTED.
2. LOCATION- ALL SIGNS SHALL BE CENTERED HORIZONTALLY AND VERTICALLY OVER DESIGNATED AREA.
3. APPROVAL: ALL LAYOUTS MUST BE APPROVED BY CLIENT AND ARCHITECT BEFORE FABRICATION.



CANOPY SIGN	
SYMBOL:	ES-01
QTY:	2
LIGHTING:	ILLUMINATED
LETTER:	
BACKGROUND:	
FRAME:	
MOUNTING:	FASCIA MOUNTED
MANUFACTURER:	SIGN VENDOR
NOTES:	



ATM CANOPY SIGN	
SYMBOL:	ES-02
QTY:	3
LIGHTING:	ILLUMINATED
LETTER:	
BACKGROUND:	
FRAME:	
MOUNTING:	FASCIA MOUNTED
MANUFACTURER:	SIGN VENDOR
NOTES:	



DIGITAL SIGN	
SYMBOL:	ES-04
QTY:	2
LIGHTING:	ILLUMINATED
LETTER:	N/A
FONT SIZE:	N/A
FRAME:	PANTONE 501 C BLUE
MOUNTING:	POLE-MOUNTED
MANUFACTURER:	SIGN VENDOR
NOTES:	ONE ON EACH SIDE OF THE POLE

LOGO SIGN	
SYMBOL:	ES-03
QTY:	1
LIGHTING:	ILLUMINATED
LETTER:	N/A
FONT SIZE:	N/A
FRAME:	PANTONE 501 C BLUE
MOUNTING:	POLE-MOUNTED (POLE TO BE PAINTED)
MANUFACTURER:	SIGN VENDOR
NOTES:	INTERNALLY ILLUMINATED DOULBE-SIDED CAN

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ORANGE, TX 77630
Project Number : 8976

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ISSUED FOR CLIENT APPROVAL	02.20.2026
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REGISTERED ARCHITECT
THOMAS R. BALLEW
14288
STATE OF TEXAS
03/03/2026

DRAWING TITLE
SITE SIGNAGE

DRAWN BY	RG	SHEET NO.
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GENERAL MEP NOTES

COORDINATION

EACH CONTRACTOR SHALL COORDINATE ITS CONSTRUCTION OPERATIONS WITH THOSE OF OTHER CONTRACTORS AND ENTITIES TO ENSURE EFFICIENT AND ORDERLY INSTALLATION OF EACH PART OF THE WORK. EACH CONTRACTOR SHALL COORDINATE ITS OPERATIONS WITH OPERATIONS, INCLUDED IN DIFFERENT SECTIONS, THAT DEPEND ON EACH OTHER FOR PROPER INSTALLATION, CONNECTION, AND OPERATION.

1. SCHEDULE CONSTRUCTION OPERATIONS IN SEQUENCE REQUIRED TO OBTAIN THE BEST RESULTS WHERE INSTALLATION OF ONE PART OF THE WORK DEPENDS ON INSTALLATION OF OTHER COMPONENTS, BEFORE OR AFTER ITS OWN INSTALLATION.
2. COORDINATE INSTALLATION OF DIFFERENT COMPONENTS WITH OTHER CONTRACTORS TO ENSURE MAXIMUM PERFORMANCE AND ACCESSIBILITY FOR REQUIRED MAINTENANCE, SERVICE, AND REPAIR.
3. MAKE ADEQUATE PROVISIONS TO ACCOMMODATE ITEMS SCHEDULED FOR LATER INSTALLATION.
4. VISIT THE SITE PRIOR TO SUBMITTING A BID TO VERIFY THE EXISTING CONDITIONS AND DESIGN CONSTRAINTS. FAILURE TO MEET THIS REQUIREMENT SHALL NOT BE JUSTIFICATION FOR FAULTY INSTALLATION OR ADDITIONAL COSTS.
5. SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR WORK, AND PAY ALL FEES FOR REQUIRED WORK.
6. COMPLY WITH ALL CURRENT LAWS, BUILDING CODES AND REGULATIONS FEDERAL, STATE AND LOCAL AUTHORITIES HAVING JURISDICTION. IN THE EVENT OF CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND THE LOCAL AUTHORITY HAVING JURISDICTION, THE LATTER SHALL RULE. ANY CHANGES RESULTING SHALL BE MADE WITHOUT ADDITIONAL COST TO THE OWNER OR ARCHITECT/ENGINEER. THE CONTRACTOR SHALL REPORT ANY SUCH MODIFICATIONS TO THE ARCHITECT/ENGINEER AND SECURE HIS APPROVAL BEFORE PROCEEDING. SHOULD THE REQUIREMENTS OF THE CONTRACT DOCUMENTS EXCEED THE REQUIREMENTS OF THE CODES, THE CONTRACT DOCUMENTS SHALL GOVERN, PROVIDED THOSE REQUIREMENTS ARE NOT IN CONFLICT WITH THOSE CODES. ALL ITEMS OF EQUIPMENT AND ALL MATERIALS FOR WHICH APPROVAL STANDARDS HAVE BEEN ESTABLISHED BY UNDERWRITERS' LABORATORIES, INC. (UL), FACTORY MUTUAL (FM), AMERICAN STANDARD CODES, ASME, AGA, AMCA, ASA, ANSI, ASHRAE, AND AIR SHALL BE SO APPROVED AND SHALL BEAR APPROVAL LABELS.
7. PENETRATIONS OF WALLS AND FLOORS OF FIRE-RATED ASSEMBLIES SHALL COMPLY WITH ASTM, U.L., AND THE AUTHORITIES HAVING JURISDICTION.
8. IF THE DRAWINGS AND SPECIFICATIONS ARE IN CONFLICT THE GREATER AMOUNT OF WORK SHALL BE PRICED. BRING THE CONFLICT TO THE ATTENTION OF THE ENGINEER AND REQUEST DIRECTION.
9. DRAWINGS ARE DIAGRAMMATIC AND ARE NOT INTENDED TO SHOW ALL FITTINGS, COMPONENTS AND OFFSETS, ETC. THE CONTRACTOR SHALL PROVIDE ALL FITTINGS, COMPONENTS, OFFSETS OR OTHER FEATURES REQUIRED FOR THE FULL OPERATIONAL CONDITION OF THIS PROJECT.
10. CONFIRM DIMENSIONS AND LOCATIONS IN THE FIELD. DRAWINGS ARE NOT TO BE SCALED AND ARE NOT INTENDED TO SHOW EXACT LOCATIONS BASED ON SCALING DIMENSIONS.
11. GUARANTEE LABOR AND MATERIALS OF ENTIRE INSTALLATION FOR ONE YEAR. WORK BELOW FLOOR OR OVER CORRIDORS SHALL BE PERFORMED AT THE OWNER'S CONVENIENCE AND MAY BE REQUIRED TO BE DONE DURING EVENINGS AND WEEKENDS. DEMOLITION DAMAGE TO EXISTING MATERIALS/EQUIPMENT WILL BE REPAIRED AT NO ADDITIONAL COST TO OWNER. RE-SUPPORT ANY REMAINING PIPING OR DEVICES THAT WERE SUPPORTED BY WALLS BEING REMOVED.
12. ELECTRONIC COPIES OF CAD DRAWINGS OF THE CONTRACT DRAWINGS WILL NOT BE PROVIDED BY THE ENGINEER FOR CONTRACTOR'S USE IN PREPARING SUBMITTALS OR AS-BUILT DRAWINGS

ACOUSTIC TREATMENT

A. IT IS THE INTENT OF THESE DRAWINGS TO SPECIFY AND FOR THE CONTRACTOR TO INSTALL SYSTEMS THAT ARE QUIET AND FREE OF VIBRATION. EQUIPMENT SHALL BE BALANCED AND VIBRATION ISOLATED TO MEET THE REQUIREMENTS SPECIFIED HEREIN FOR BOTH THE EQUIPMENT ITSELF AND CONDITIONS WITHIN OCCUPIED SPACES. THIS CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND INSTALLING EQUIPMENT THAT IS QUIET IN OPERATION AS COMPARED TO OTHER AVAILABLE EQUIPMENT OF ITS SIZE, CAPACITY, AND TYPE.

B. EQUIPMENT NOT MEETING THESE REQUIREMENTS SHALL BE CORRECTED BY THE CONTRACTOR TO AN ACCEPTABLE LEVEL BUT WITHIN THE REQUIREMENTS OF THE SPECIFICATIONS AT NO COST TO THE OWNER, ARCHITECT OR ENGINEER.

C. AIR DISTRIBUTION EQUIPMENT SHALL BE SOUND TESTED AT THE DESIGN OPERATING CONDITIONS AND SHALL NOT EXCEED A MAXIMUM DISCHARGE NC RATING OF 25 OR A RADIATED NC RATING OF 30 AT RATED CFM.

D. UNLESS NOTED OTHERWISE HEREIN OR ON THE DRAWINGS, THE NOISE LEVEL IN ALL OCCUPIED SPACES SHALL NOT EXCEED THE "LOWEST VALUE IN THE RANGE" OF THE NOISE CRITERIA CURVES PUBLISHED IN THE CURRENT FUNDAMENTALS EDITION OF THE ASHRAE GUIDE AND DATA BOOK. THE NOISE CRITERIA CURVES SHALL BE BASED ON ANSI STANDARD S1.6-1967 OCTAVE BANDS AND A SOUND PRESSURE LEVEL IN DECIBELS REFERENCED TO 0.002 MICROBARS. SOUND LEVELS IN OCCUPIED SPACES MUST MEET THE DESIGN CRITERIA WITH ALL CONSTRUCTION IN PLACE.

E. SHOULD A QUESTION ARISE REGARDING THE ACCEPTABLE LEVEL OF NOISE OR VIBRATION IN A PARTICULAR SPACE OR PIECE OF EQUIPMENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE SERVICES OF AN APPROVED ACOUSTICAL CONSULTANT TO DETERMINE ACTUAL NOISE/VIBRATION CONDITIONS.

SUBMITTAL ADMINISTRATIVE REQUIREMENTS

A. ELECTRONIC COPIES OF CAD DRAWINGS OF THE CONTRACT DRAWINGS WILL NOT BE PROVIDED BY THE ENGINEER FOR CONTRACTOR'S USE IN PREPARING SUBMITTALS OR AS-BUILT DRAWINGS.

B. COORDINATE PREPARATION AND PROCESSING OF SUBMITTALS WITH PERFORMANCE OF CONSTRUCTION ACTIVITIES. COORDINATE EACH SUBMITTAL WITH FABRICATION, PURCHASING, TESTING, DELIVERY, OTHER SUBMITTALS, AND RELATED ACTIVITIES THAT REQUIRE SEQUENTIAL ACTIVITY. SUBMIT ALL ITEMS REQUIRED FOR EACH SPECIFICATION SECTION CONCURRENTLY.

C. ALLOW TIME FOR SUBMITTAL REVIEW, INCLUDING TIME FOR RESUBMITTALS, AS FOLLOWS. TIME FOR REVIEW SHALL COMMENCE ON ENGINEER'S RECEIPT OF SUBMITTAL. NO EXTENSION OF THE CONTRACT TIME WILL BE AUTHORIZED BECAUSE OF FAILURE TO TRANSMIT SUBMITTALS ENOUGH IN ADVANCE OF THE WORK TO PERMIT PROCESSING, INCLUDING RESUBMITTALS.

1. INITIAL REVIEW: ALLOW 7 DAYS FOR INITIAL REVIEW OF EACH SUBMITTAL EXCLUSIVE OF TRAVEL TIME. ALLOW ADDITIONAL TIME IF COORDINATION WITH SUBSEQUENT SUBMITTALS IS REQUIRED.
2. RESUBMITTAL REVIEW: ALLOW 7 DAYS FOR REVIEW OF EACH RESUBMITTAL EXCLUSIVE OF TRAVEL TIME.

D. PLACE A PERMANENT LABEL OR TITLE BLOCK ON EACH PAPER COPY SUBMITTAL ITEM FOR IDENTIFICATION. INDICATE NAME OF FIRM OR ENTITY THAT PREPARED EACH SUBMITTAL ON LABEL OR TITLE BLOCK.

E. INCLUDE THE FOLLOWING INFORMATION FOR PROCESSING AND RECORDING ACTION TAKEN:
1. PROJECT NAME.
2. DATE.
3. NAME OF ARCHITECT.
4. NAME OF ENGINEER.
5. NAME OF CONTRACTOR.
6. NAME OF SUBCONTRACTOR.
7. NAME OF SUPPLIER.
8. NAME OF MANUFACTURER.

F. CONTRACTOR'S REVIEW:
REVIEW EACH SUBMITTAL AND CHECK FOR COORDINATION WITH OTHER WORK OF THE CONTRACT AND FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS. NOTE CORRECTIONS AND FIELD DIMENSIONS. MARK WITH APPROVAL STAMP BEFORE SUBMITTING TO ARCHITECT/ENGINEER.
STAMP EACH SUBMITTAL WITH A UNIFORM, APPROVAL STAMP. PROVIDE A STATEMENT CERTIFYING THAT SUBMITTAL HAS BEEN REVIEWED, CHECKED, AND APPROVED FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS AND THE PHYSICAL SPACE LIMITATIONS AT THE SITE.
PROVIDE A STATEMENT CERTIFYING THAT SUBMITTAL HAS BEEN REVIEWED, CHECKED, AND APPROVED FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS AND THE PHYSICAL SPACE LIMITATIONS AT THE SITE.

IF THE GENERAL CONTRACTOR IS DEFERRING THE ABOVE REQUIREMENTS TO THE SUBCONTRACTOR, THEN THE SUBCONTRACTOR MUST ALSO REVIEW, STAMP AND CERTIFY THE SUBMITTAL.

G. ENGINEER'S ACTION:
ENGINEER WILL NOT REVIEW SUBMITTALS THAT DO NOT BEAR CONTRACTOR'S APPROVAL STAMP AND WILL RETURN THEM.
ENGINEER WILL REVIEW EACH SUBMITTAL, NOTE CORRECTIONS OR MODIFICATIONS REQUIRED, AND RETURN IT. ENGINEER WILL PROVIDE SUBMITTAL WITH AN ACTION SHEET TO INDICATE ACTION.

REQUESTS FOR INFORMATION (RFI)

IMMEDIATELY ON DISCOVERY OF THE NEED FOR ADDITIONAL INFORMATION OR INTERPRETATION OF THE CONTRACT DOCUMENTS, CONTRACTOR SHALL PREPARE AND SUBMIT AN RFI IN THE FORM SPECIFIED.

1. ENGINEER WILL RETURN RFIS SUBMITTED TO ENGINEER BY OTHER ENTITIES CONTROLLED BY CONTRACTOR WITH NO RESPONSE.
2. COORDINATE AND SUBMIT RFIS IN A PROMPT MANNER SO AS TO AVOID DELAYS IN CONTRACTOR'S WORK OR WORK OF SUBCONTRACTORS.
3. INCLUDE A PROPOSED SOLUTION AS WELL AS INCLUDE A DETAILED, LEGIBLE DESCRIPTION OF ITEM NEEDING INFORMATION OR INTERPRETATION. INCLUDE SKETCHES, DESCRIPTIONS, MEASUREMENTS, PHOTOS, PRODUCT DATA, SHOP DRAWINGS, COORDINATION DRAWINGS, AND OTHER INFORMATION NECESSARY TO FULLY DESCRIBE ITEMS NEEDING INTERPRETATION.

RECORD DRAWINGS

A. WITHIN 90 DAYS OF COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER, A COMPLETE SET OF "AS BUILT" DRAWINGS PORTRAYING ACTUAL SITE CONDITIONS OF THE MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION WORK. SUBMISSION SHALL CONSIST OF ONE SET OF PAPER SEPIAS AND ONE SET OF CAD FILES IN AUTOCAD 2007 FORMAT. ENGINEER AND ARCHITECT SEALS AND LOGOS SHALL BE REMOVED FROM THE DRAWINGS AND THEY SHALL BE STAMPED "AS-BUILT DRAWINGS".

B. WITHIN 90 DAYS OF COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER, A COMPLETE SET OF "O&M MANUALS", EQUIPMENT DATA, HVAC AIR AND WATER BALANCING REPORT, AND LIGHTING CONTROL TESTING REPORT FOR COMPLIANCE WITH CURRENT ENERGY CODE. THE CONTRACTOR SHALL PROVIDE A WRITTEN CERTIFICATION THAT ALL NEW MATERIALS AND COMPONENTS DO NOT CONTAIN ASBESTOS OR PCBS.

REQUIRED SUBMITTALS

A. PROVIDE FOUR BOUND PRODUCT DATA SUBMITTALS FOR THE NEW EQUIPMENT LISTED BELOW TO THE ARCHITECT/ENGINEER. EACH CONTRACTOR RESPONSIBLE FOR THE WORK SHALL REVIEW AND CERTIFY THE SUBMITTAL DATA TO BE IN FULL COMPLIANCE WITH THE CONTRACT DOCUMENTS AND THE PHYSICAL SPACE LIMITATIONS.

1. ELECTRICAL PANELS
2. LIGHTING FIXTURES
3. WIRING DEVICES
4. CIRCUIT DIRECTORY CARDS

LIGHTING SYSTEM FUNCTIONAL TESTING

A. ALL REQUIREMENTS SHALL BE PERFORMED PER THE CURRENTLY ADOPTED ENERGY CONSERVATION CODE IN THE AUTHORITY HAVING JURISDICTION. THE FOLLOWING IS NOT A COMPLETE LISTING.

B. OCCUPANT SENSOR CONTROLS. WHERE OCCUPANT SENSOR CONTROLS ARE PROVIDED, THE FOLLOWING PROCEDURES SHALL BE PERFORMED:
1. CERTIFY THAT THE OCCUPANT SENSOR HAS BEEN LOCATED AND AIMED IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.
2. FOR PROJECTS WITH SEVEN OR FEWER OCCUPANT SENSORS, EACH SENSOR SHALL BE TESTED.
3. FOR PROJECTS WITH MORE THAN SEVEN OCCUPANT SENSORS, TESTING SHALL BE DONE FOR EACH UNIQUE COMBINATION OF SENSOR TYPE AND SPACE GEOMETRY. WHERE MULTIPLES OF EACH UNIQUE COMBINATION OF SENSOR TYPE AND SPACE GEOMETRY ARE PROVIDED, NOT LESS THAN 10 PERCENT, BUT IN NO CASE LESS THAN ONE, OF EACH COMBINATION SHALL BE TESTED UNLESS THE CODE OFFICIAL OR DESIGN PROFESSIONAL REQUIRES A HIGHER PERCENTAGE TO BE TESTED. WHERE 30 PERCENT OR MORE OF THE TESTED CONTROLS FAIL, ALL REMAINING IDENTICAL COMBINATIONS SHALL BE TESTED. FOR OCCUPANT SENSOR CONTROLS TO BE TESTED, VERIFY THE FOLLOWING:
   3.1. WHERE OCCUPANT SENSOR CONTROLS INCLUDE STATUS INDICATORS, VERIFY CORRECT OPERATION.
   3.2. THE CONTROLLED LIGHTS TURN OFF OR DOWN TO THE PERMITTED LEVEL WITHIN THE REQUIRED TIME.
   3.3. FOR AUTO-ON OCCUPANT SENSOR CONTROLS, THE LIGHTS TURN ON TO THE PERMITTED LEVEL WHEN AN OCCUPANT ENTERS THE SPACE.
   3.4. FOR MANUAL-ON OCCUPANT SENSOR CONTROLS, THE LIGHTS TURN ON ONLY WHEN MANUALLY ACTIVATED.
   3.5. THE LIGHTS ARE NOT INCORRECTLY TURNED ON BY MOVEMENT IN ADJACENT AREAS OR BY HVAC OPERATION.

C. TIME-SWITCH CONTROLS. WHERE TIME-SWITCH CONTROLS ARE PROVIDED, THE FOLLOWING PROCEDURES SHALL BE PERFORMED:
1. CONFIRM THAT THE TIME-SWITCH CONTROL IS PROGRAMMED WITH ACCURATE WEEKDAY, WEEKEND AND HOLIDAY SCHEDULES.
2. PROVIDE DOCUMENTATION TO THE OWNER OF TIMESWITCH CONTROLS PROGRAMMING INCLUDING WEEKDAY, WEEKEND, HOLIDAY SCHEDULES, AND SET-UP AND PREFERENCE PROGRAM SETTINGS.
3. VERIFY THE CORRECT TIME AND DATE IN THE TIME SWITCH.
4. VERIFY THAT ANY BATTERY BACK-UP IS INSTALLED AND ENERGIZED.
5. VERIFY THAT THE OVERRIDE TIME LIMIT IS SET TO NOT MORE THAN 2 HOURS.
6. SIMULATE OCCUPIED CONDITION. VERIFY AND DOCUMENT THE FOLLOWING:
   6.1. ALL LIGHTS CAN BE TURNED ON AND OFF BY THEIR RESPECTIVE AREA CONTROL SWITCH.
   6.2. THE SWITCH ONLY OPERATES LIGHTING IN THE ENCLOSED SPACE IN WHICH THE SWITCH IS LOCATED.
7. SIMULATE UNOCCUPIED CONDITION. VERIFY AND DOCUMENT THE FOLLOWING:
   7.1. NONEXEMPT LIGHTING TURNS OFF.
   7.2. MANUAL OVERRIDE SWITCH ALLOWS ONLY THE LIGHTS IN THE ENCLOSED SPACE WHERE THE OVERRIDE SWITCH IS LOCATED TO TURN ON OR REMAIN ON UNTIL THE NEXT SCHEDULED SHUTOFF OCCURS.
8. ADDITIONAL TESTING AS SPECIFIED BY THE REGISTERED DESIGN PROFESSIONAL.

D. DAYLIGHT RESPONSIVE CONTROLS. WHERE DAYLIGHT RESPONSIVE CONTROLS ARE PROVIDED, THE FOLLOWING SHALL BE VERIFIED:
1. CONTROL DEVICES HAVE BEEN PROPERLY LOCATED, FIELD CALIBRATED AND SET FOR ACCURATE SETPOINTS AND THRESHOLD LIGHT LEVELS.
2. DAYLIGHT CONTROLLED LIGHTING LOADS ADJUST TO LIGHT LEVEL SET POINTS IN RESPONSE TO AVAILABLE DAYLIGHT.
3. THE LOCATIONS OF CALIBRATION ADJUSTMENT EQUIPMENT ARE READILY ACCESSIBLE ONLY TO AUTHORIZED PERSONNEL.

EBE CONSULTING ENGINEERS
Mechanical
Electrical
Plumbing
12603 Southwest Frwy, Ste 170, Stafford, Tx 77477
Tel: (713) 840-0177 / Firm Reg. No: 5638

SLI DESIGN, INC.
ARCHITECTURE PLANNING INTERIOR DESIGN
15810 PARK TEN PLACE, SUITE 300
HOUSTON, TEXAS 77084
713-465-4650
www.sligroup.com

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Neches FCU - Little Cypress ITM
STATE HWY 87 Orange, TX 77632

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ISSUED FOR CONSTRUCTION	

REVISIONS

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PRINT DATE

JOSE M. GUERRERO
154536
LICENSED PROFESSIONAL ENGINEER
03/03/2026

DRAWING TITLE
MEP SPECIFICATIONS

SHEET NO.
MEP1.01

ELECTRICAL SPECIFICATIONS

ELECTRICAL CONDUCTORS

A. MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS BY ONE OF THE FOLLOWING:
ALCAN PRODUCTS CORPORATION; ALCAN CABLE DIVISION.
AMERICAN INSULATED WIRE CORP.; A LEVITON COMPANY.
GENERAL CABLE CORPORATION.
SENATOR WIRE & CABLE COMPANY.
SOUTHWIRE COMPANY.
COPPER CONDUCTORS: COMPLY WITH NEMA WC 70.
CONDUCTOR INSULATION: COMPLY WITH NEMA WC 70 FOR TYPES THW, THHN-THWN, XHHW, UF, USE, AND SO.
MULTICONDUCTOR CABLE: COMPLY WITH NEMA WC 70 FOR ARMORED CABLE, TYPE AC, METAL-CLAD CABLE, TYPE MC ;TYPE SO, AND TYPE USE WITH GROUND WIRE.

B. CONDUCTOR MATERIAL APPLICATIONS:
COPPER. SOLID FOR NO. 10 AWG AND SMALLER; STRANDED FOR NO. 8 AWG AND LARGER.

C. CONDUCTOR INSULATION AND MULTICONDUCTOR CABLE APPLICATIONS AND WIRING METHODS
1. SERVICE ENTRANCE: TYPE THHN-THWN, SINGLE CONDUCTORS IN RACEWAY, TYPE SE OR USE MULTICONDUCTOR CABLE.
2. EXPOSED FEEDERS: TYPE THHN-THWN, SINGLE CONDUCTORS IN RACEWAY.
3. FEEDERS CONCEALED IN CEILINGS, WALLS, PARTITIONS, AND CRAWLSPACES: TYPE THHN-THWN, SINGLE CONDUCTORS IN RACEWAY.
4. FEEDERS CONCEALED IN CONCRETE, BELOW SLABS-ON-GRADE, AND UNDERGROUND: YPE THHN-THWN, SINGLE CONDUCTORS IN RACEWAY.
5. FEEDERS INSTALLED BELOW RAISED FLOORING: TYPE THHN-THWN, SINGLE CONDUCTORS IN RACEWAY.
6. EXPOSED BRANCH CIRCUITS, INCLUDING IN CRAWLSPACES: TYPE THHN-THWN, SINGLE CONDUCTORS IN RACEWAY, METAL-CLAD CABLE, TYPE MC.
7. BRANCH CIRCUITS CONCEALED IN CEILINGS, WALLS, AND PARTITIONS: TYPE THHN-THWN, SINGLE CONDUCTORS IN RACEWAY, ARMORED CABLE, TYPE AC, METAL-CLAD CABLE, TYPE MC.
8. BRANCH CIRCUITS CONCEALED IN CONCRETE, BELOW SLABS-ON-GRADE, AND UNDERGROUND: TYPE THHN-THWN, SINGLE CONDUCTORS IN RACEWAY.
9. BRANCH CIRCUITS INSTALLED BELOW RAISED FLOORING: TYPE THHN-THWN, SINGLE CONDUCTORS IN RACEWAY OR ARMORED CABLE, TYPE AC, METAL-CLAD CABLE, TYPE MC.
10. BRANCH CIRCUITS INSTALLED IN PATIENT CARE AREAS: TYPE HCF-MCAP OR AC-HCF WITH ASSEMBLY CERTIFIED AS AN EQUIPMENT GROUNDING CONDUCTOR AND A GREEN INSULATED EQUIPMENT GROUNDING CONDUCTOR CONNECTED TO ALL RECEPTACLES, METALLIC BOXES CONTAINING RECEPTACLES, AND ALL METALLIC EQUIPMENT CASINGS.

GROUNDING

A. INSULATED CONDUCTORS: COPPER WIRE OR CABLE INSULATED FOR 600 V UNLESS OTHERWISE REQUIRED BY APPLICABLE CODE OR AUTHORITIES HAVING JURISDICTION.

B. BARE COPPER CONDUCTORS:
1. SOLID CONDUCTORS: ASTM B 3.
2. STRANDED CONDUCTORS: ASTM B 8.
3. BONDING CABLE: 28 KCMIL, 14 STRANDS OF NO. 17 AWG CONDUCTOR, 1/4 INCH (6 MM) IN DIAMETER.
4. BONDING CONDUCTOR: NO. 4 OR NO. 6 AWG, STRANDED CONDUCTOR.
5. BONDING JUMPER: COPPER TAPE, BRAIDED CONDUCTORS TERMINATED WITH COPPER FERRULES; 1-5/8 INCHES (41 MM) WIDE AND 1/16 INCH (1.6 MM) THICK.

C. GROUNDING BUS: PREDRILLED RECTANGULAR BARS OF ANNEALED COPPER, 1/4 BY 4 INCHES (6.3 BY 100 MM) IN CROSS SECTION, WITH 9/32-INCH (7.14-MM) HOLES SPACED 1-1/8 INCHES (28 MM) APART. STAND-OFF INSULATORS FOR MOUNTING SHALL COMPLY WITH UL 891 FOR USE IN SWITCHBOARDS, 600 V. LEXAN, IMPULSE TESTED AT 5000 V.

D. CONNECTORS:LISTED AND LABELED BY AN NRTL ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION FOR APPLICATIONS IN WHICH USED, AND FOR SPECIFIC TYPES, SIZES, AND COMBINATIONS OF CONDUCTORS AND OTHER ITEMS CONNECTED.

E. BOLTED CONNECTORS FOR CONDUCTORS AND PIPES: COPPER OR COPPER ALLOY, PRESSURE TYPE WITH AT LEAST TWO BOLTS.
PIPE CONNECTORS: CLAMP TYPE, SIZED FOR PIPE.

F. WELDED CONNECTORS: EXOTHERMIC-WELDING KITS OF TYPES RECOMMENDED BY KIT MANUFACTURER FOR MATERIALS BEING JOINED AND INSTALLATION CONDITIONS.

G. BUS-BAR CONNECTORS: MECHANICAL TYPE, CAST SILICON BRONZE, SOLDERLESS COMPRESSION-TYPE WIRE TERMINALS, AND LONG-BARREL, TWO-BOLT CONNECTION TO GROUND BUS BAR.

H. CONDUCTORS: INSTALL SOLID CONDUCTOR FOR NO. 8 AWG AND SMALLER, AND STRANDED CONDUCTORS FOR NO. 6 AWG AND LARGER UNLESS OTHERWISE INDICATED.

I. ISOLATED GROUNDING CONDUCTORS: GREEN-COLORED INSULATION WITH CONTINUOUS YELLOW STRIPE. ON FEEDERS WITH ISOLATED GROUND, IDENTIFY GROUNDING CONDUCTOR WHERE VISIBLE TO NORMAL INSPECTION, WITH ALTERNATING BANDS OF GREEN AND YELLOW TAPE, WITH AT LEAST THREE BANDS OF GREEN AND TWO BANDS OF YELLOW.

J. CONDUCTOR TERMINATIONS AND CONNECTIONS:
PIPE AND EQUIPMENT GROUNDING CONDUCTOR TERMINATIONS: BOLTED CONNECTORS.
UNDERGROUND CONNECTIONS: WELDED CONNECTORS EXCEPT AT TEST WELLS AND AS OTHERWISE INDICATED. CONNECTIONS TO GROUND RODS AT TEST WELLS: BOLTED CONNECTORS. CONNECTIONS TO STRUCTURAL STEEL: WELDED CONNECTORS.

K. EQUIPMENT GROUNDING:
INSTALL INSULATED EQUIPMENT GROUNDING CONDUCTORS TO COMPLY WITH THE NEC AND AS INDICATED ON THE DRAWINGS.

ELECTRICAL HANGERS AND SUPPORTS

A. COMPLY WITH NECA 1 AND NECA 101 FOR APPLICATION OF HANGERS AND SUPPORTS FOR ELECTRICAL EQUIPMENT AND SYSTEMS EXCEPT IF REQUIREMENTS IN THIS SECTION ARE STRICTER. MAXIMUM SUPPORT SPACING AND MINIMUM HANGER ROD SIZE FOR RACEWAY: SPACE SUPPORTS FOR EMT, IMC, AND RMC AS SCHEDULED IN NECA 1, WHERE ITS TABLE 1 LISTS MAXIMUM SPACINGS LESS THAN STATED IN NFPA 70. MINIMUM ROD SIZE SHALL BE 1/4 INCH (6 MM) IN DIAMETER. MULTIPLE RACEWAYS OR CABLES: INSTALL TRAPEZE-TYPE SUPPORTS FABRICATED WITH STEEL SLOTTED OR OTHER SUPPORT SYSTEM, SIZED SO CAPACITY CAN BE INCREASED BY AT LEAST 25 PERCENT IN FUTURE WITHOUT EXCEEDING SPECIFIED DESIGN LOAD LIMITS. SECURE RACEWAYS AND CABLES TO THESE SUPPORTS WITH TWO-BOLT CONDUIT CLAMPS. SPRING-STEEL CLAMPS DESIGNED FOR SUPPORTING SINGLE CONDUITS WITHOUT BOLTS MAY BE USED FOR 1-1/2-INCH (38-MM) AND SMALLER RACEWAYS SERVING BRANCH CIRCUITS AND COMMUNICATION SYSTEMS ABOVE SUSPENDED CEILINGS AND FOR FASTENING RACEWAYS TO TRAPEZE SUPPORTS.

B. SUPPORT INSTALLATION: COMPLY WITH NECA 1 AND NECA 101 FOR INSTALLATION REQUIREMENTS EXCEPT AS SPECIFIED IN THIS ARTICLE.

C. RACEWAY SUPPORT METHODS: IN ADDITION TO METHODS DESCRIBED IN NECA 1, EMT, IMC, AND RMC MAY BE SUPPORTED BY OPENINGS THROUGH STRUCTURE MEMBERS, AS PERMITTED IN NFPA 70.

D. STRENGTH OF SUPPORT ASSEMBLIES: WHERE NOT INDICATED, SELECT SIZES OF COMPONENTS SO STRENGTH WILL BE ADEQUATE TO CARRY PRESENT AND FUTURE STATIC LOADS WITHIN SPECIFIED LOADING LIMITS. MINIMUM STATIC DESIGN LOAD USED FOR STRENGTH DETERMINATION SHALL BE WEIGHT OF SUPPORTED COMPONENTS PLUS 200 LB (90 KG).

E. MOUNTING AND ANCHORAGE OF SURFACE-MOUNTED EQUIPMENT AND COMPONENTS: ANCHOR AND FASTEN ELECTRICAL ITEMS AND THEIR SUPPORTS TO BUILDING STRUCTURAL ELEMENTS BY THE FOLLOWING METHODS UNLESS OTHERWISE INDICATED BY CODE:
1. TO WOOD: FASTEN WITH LAG SCREWS OR THROUGH BOLTS.
2. TO NEW CONCRETE: BOLT TO CONCRETE INSERTS.
3. TO MASONRY: APPROVED TOGGLE-TYPE BOLTS ON HOLLOW MASONRY UNITS AND EXPANSION ANCHOR FASTENERS ON SOLID MASONRY UNITS.
4. TO EXISTING CONCRETE: EXPANSION ANCHOR FASTENERS.
5. INSTEAD OF EXPANSION ANCHORS, POWDER-ACTUATED DRIVEN THREADED STUDS PROVIDED WITH LOCK WASHERS AND NUTS MAY BE USED IN EXISTING STANDARD-WEIGHT CONCRETE 4 INCHES (100 MM) THICK OR GREATER. DO NOT USE FOR ANCHORAGE TO LIGHTWEIGHT-AGGREGATE CONCRETE OR FOR SLABS LESS THAN 4 INCHES (100 MM) THICK.
6. TO STEEL: WELDED THREADED STUDS COMPLYING WITH AWS D1.1/D1.1M, WITH LOCK WASHERS AND NUTS OR BEAM CLAMPS (MSS TYPE 19, 21, 23, 25, OR 27) COMPLYING WITH MSS SP-69.
7. TO LIGHT STEEL: SHEET METAL SCREWS.
8. DRILL HOLES FOR EXPANSION ANCHORS IN CONCRETE AT LOCATIONS AND TO DEPTHS THAT AVOID REINFORCING BARS.

ELECTRICAL CONDUIT

A. METAL CONDUIT AND TUBING
MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS BY ONE OF THE FOLLOWING:
1. AFC CABLE SYSTEMS, INC.
2. ALFLEX INC.
3. ALLIED TUBE & CONDUIT; A TYCO INTERNATIONAL LTD. CO.
4. ANAMET ELECTRICAL, INC.; ANACONDA METAL HOSE.
5. ELECTRI-FLEX CO.
6. MAVERICK TUBE CORPORATION.
7. O-Z GEDNEY; A UNIT OF GENERAL SIGNAL.
8. WHEATLAND TUBE COMPANY.

B. RIGID STEEL CONDUIT: ANSI C80.1.
C. ALUMINUM RIGID CONDUIT: ANSI C80.5.
D. IMC: ANSI C80.6.
E. PVC-COATED STEEL CONDUIT: PVC-COATED RIGID STEEL CONDUIT.
F. COMPLY WITH NEMA RN 1.
G. COATING THICKNESS: 0.040 INCH (1 MM), MINIMUM.
H. EMT: ANSI C80.3.
I. FMC: ZINC-COATED STEEL.
J. LFMC: FLEXIBLE STEEL CONDUIT WITH PVC JACKET.
K. FITTINGS FOR CONDUIT (INCLUDING ALL TYPES AND FLEXIBLE AND LIQUIDTIGHT), EMT, AND CABLE: NEMA FB 1; LISTED FOR TYPE AND SIZE RACEWAY WITH WHICH USED, AND FOR APPLICATION AND ENVIRONMENT IN WHICH INSTALLED.
1. FITTINGS FOR EMT: STEEL SET-SCREW OR COMPRESSION TYPE. DIE-CAST IS NOT ACCEPTABLE.
2. COATING FOR FITTINGS FOR PVC-COATED CONDUIT: MINIMUM THICKNESS, 0.040 INCH (1 MM), WITH OVERLAPPING SLEEVES PROTECTING THREADED JOINTS.
L. JOINT COMPOUND FOR RIGID STEEL CONDUIT OR IMC: LISTED FOR USE IN CABLE CONNECTOR ASSEMBLIES, AND COMPOUNDED FOR USE TO LUBRICATE AND PROTECT THREADED RACEWAY JOINTS FROM CORROSION AND ENHANCE THEIR CONDUCTIVITY.
M. SURFACE METAL RACEWAYS: GALVANIZED STEEL WITH SNAP-ON COVERS. MANUFACTURER'S STANDARD ENAMEL FINISH IN COLOR SELECTED BY ARCHITECT.
MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS BY ONE OF THE FOLLOWING:
1. THOMAS & BETTS CORPORATION.
2. WALKER SYSTEMS, INC.; WIREMOLD COMPANY (THE).
3. WIREMOLD COMPANY (THE); ELECTRICAL SALES DIVISION.
N. BOXES, ENCLOSURES, AND CABINETS:
MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS BY ONE OF THE FOLLOWING:
1. COOPER CROUSE-HINDS; DIV. OF COOPER INDUSTRIES, INC.
2. EGS/APPLETON ELECTRIC.
3. HOFFMAN.
4. HUBBELL INCORPORATED; KILLARK ELECTRIC MANUFACTURING CO. DIVISION.
5. O-Z/GEDNEY; A UNIT OF GENERAL SIGNAL.
6. RACO; A HUBBELL COMPANY.
7. ROBROY INDUSTRIES, INC.; ENCLOSURE DIVISION.
8. THOMAS & BETTS CORPORATION.
9. WALKER SYSTEMS, INC.; WIREMOLD COMPANY (THE).
O. SHEET METAL OUTLET AND DEVICE BOXES: NEMA OS 1.
P. CAST-METAL OUTLET AND DEVCE BOXES: NEMA FB 1, FERROUS ALLOY, TYPE FD, WITH GASKETED COVER.
Q. METAL FLOOR BOXES: CAST METAL, FULLY ADJUSTABLE, RECTANGULAR.
R. SMALL SHEET METAL PULL AND JUNCTION BOXES: NEMA OS 1.
S. CAST-METAL ACCESS, PULL, AND JUNCTION BOXES: NEMA FB 1, GALVANIZED, CAST IRON WITH GASKETED COVER.
T. HINGED-COVER ENCLOSURES: NEMA 250, TYPE 1, WITH CONTINUOUS-HINGE COVER WITH FLUSH LATCH, UNLESS OTHERWISE INDICATED.
1. METAL ENCLOSURES: STEEL, FINISHED INSIDE AND OUT WITH MANUFACTURER'S STANDARD ENAMEL.
A. IN STANDARD PARTITIONS, WHERE 1/2" AND 3/4" CONDUITS ARE EMPLOYED: 4" SQUARE BY 2-1/8" DEEP BOXES WITH 1-GANG OR 2-GANG PLASTER COVERS SHALL BE USED, NO. 4SD-SPL.
B. IN THIN PARTITIONS MEASURING 3-1/2" OR LESS: 4" SQUARE BY 1-1/2" DEEP BOXES WITH 1-GANG OR 2-GANG PLASTER COVERS SHALL BE USED, NO. 4S-SPL.
C. IN STANDARD PARTITIONS, WHERE CONDUITS OF A SIZE GREATER THAN 3/4" ARE EMPLOYED: 4" SQUARE BY 2-1/8" DEEP BOXES WITH 1-GANG OR 2-GANG PLASTER COVERS SHALL BE USED, NO. 4SJD SERIES. THE OUTLET BOXES SHALL BE LOCATED WHEREBY NO TWO (2) OUTLET BOXES ARE INSTALLED CLOSER THAN 24" ON CENTER, AND SECURELY ATTACHED TO THE PARTITION STUDS, WITH AT LEAST ONE (1) PARTITION STUD SEPARATING THE OUTLET BOXES. IT IS NOT ACCEPTABLE TO SECURE OUTLET BOXES ONLY TO DRYWALL PARTITION.
U. CABINETS:
1. NEMA 250, TYPE 1, GALVANIZED-STEEL BOX WITH REMOVABLE INTERIOR PANEL AND REMOVABLE FRONT, FINISHED INSIDE AND OUT WITH MANUFACTURER'S STANDARD ENAMEL.
2. HINGED DOOR IN FRONT COVER WITH FLUSH LATCH AND CONCEALED HINGE.
3. KEY LATCH TO MATCH PANELBOARDS.
4. METAL BARRIERS TO SEPARATE WIRING OF DIFFERENT SYSTEMS AND VOLTAGE.
5. ACCESSORY FEET WHERE INDICATED FOR FREESTANDING EQUIPMENT.
V. RACEWAY APPLICATION:
OUTDOORS: APPLY RACEWAY PRODUCTS AS SPECIFIED BELOW, UNLESS OTHERWISE INDICATED:
1. EXPOSED CONDUIT: RIGID STEEL CONDUIT.
2. CONCEALED CONDUIT, ABOVEGROUND: RIGID STEEL CONDUIT, EMT, RNC.
3. UNDERGROUND CONDUIT: RNC, TYPE EPC-40-PVC, DIRECT BURIED.
4. CONNECTION TO VIBRATING EQUIPMENT (INCLUDING TRANSFORMERS AND HYDRAULIC, PNEUMATIC, ELECTRIC SOLENOID, OR MOTOR-DRIVEN EQUIPMENT): LFMC.
5. BOXES AND ENCLOSURES, ABOVEGROUND: NEMA 250, TYPE 3R.
W. COMPLY WITH THE FOLLOWING INDOOR APPLICATIONS, UNLESS OTHERWISE INDICATED:
1. EXPOSED, NOT SUBJECT TO PHYSICAL DAMAGE: EMT.
2. EXPOSED, NOT SUBJECT TO SEVERE PHYSICAL DAMAGE: EMT.
3. EXPOSED AND SUBJECT TO SEVERE PHYSICAL DAMAGE: RIGID STEEL CONDUIT. INCLUDES RACEWAYS IN THE FOLLOWING LOCATIONS: LOADING DOCK, CORRIDORS USED FOR TRAFFIC OF MECHANIZED CARTS, FORKLIFTS, AND PALLET-HANDLING UNITS, MECHANICAL ROOMS.
4. CONCEALED IN CEILINGS AND INTERIOR WALLS AND PARTITIONS: EMT.
5. CONNECTION TO VIBRATING EQUIPMENT (INCLUDING TRANSFORMERS AND HYDRAULIC, PNEUMATIC, ELECTRIC SOLENOID, OR MOTOR-DRIVEN EQUIPMENT): FMC, EXCEPT USE LFMC IN DAMP OR WET LOCATIONS.
6. DAMP OR WET LOCATIONS: RIGID STEEL CONDUIT.
7. RACEWAYS FOR OPTICAL FIBER OR COMMUNICATIONS CABLE IN SPACES USED FOR ENVIRONMENTAL AIR: PLENUM-TYPE, OPTICAL FIBER/COMMUNICATIONS CABLE RACEWAY, EMT.
8. RACEWAYS FOR OPTICAL FIBER OR COMMUNICATIONS CABLE RISERS IN VERTICAL SHAFTS: RISER-TYPE, OPTICAL FIBER/COMMUNICATIONS CABLE RACEWAY, EMT.
9. RACEWAYS FOR CONCEALED GENERAL PURPOSE DISTRIBUTION OF OPTICAL FIBER OR COMMUNICATIONS CABLE: GENERAL-USE, OPTICAL FIBER/COMMUNICATIONS CABLE RACEWAY, RISER-TYPE, OPTICAL FIBER/COMMUNICATIONS CABLE RACEWAY, PLENUM-TYPE, OPTICAL FIBER/COMMUNICATIONS CABLE RACEWAY, EMT.
10. BOXES AND ENCLOSURES: NEMA 250, TYPE 1, EXCEPT USE NEMA 250, TYPE 4X, STAINLESS STEEL IN DAMP OR WET LOCATIONS.
X. MINIMUM RACEWAY SIZE: 1/2-INCH (16-MM) TRADE SIZE.
Y. RACEWAY FITTINGS: COMPATIBLE WITH RACEWAYS AND SUITABLE FOR USE AND LOCATION.
1. RIGID AND INTERMEDIATE STEEL CONDUIT: USE THREADED RIGID STEEL CONDUIT FITTINGS, UNLESS OTHERWISE INDICATED.
2. PVC EXTERNALLY COATED, RIGID STEEL CONDUITS: USE ONLY FITTINGS LISTED FOR USE WITH THAT MATERIAL. PATCH AND SEAL ALL JOINTS, NICKS, AND SCRAPES IN PVC COATING AFTER INSTALLING CONDUITS AND FITTINGS. USE SEALANT RECOMMENDED BY FITTING MANUFACTURER.
Z. INSTALLATION
COMPLY WITH NECA 1 FOR INSTALLATION REQUIREMENTS APPLICABLE TO PRODUCTS SPECIFIED EXCEPT WHERE REQUIREMENTS ON DRAWINGS OR IN THIS ARTICLE ARE STRICTER.
AA. KEEP RACEWAYS AT LEAST 6 INCHES (150 MM) AWAY FROM PARALLEL RUNS OF FLUES AND STEAM OR HOT-WATER PIPES. INSTALL HORIZONTAL RACEWAY RUNS ABOVE WATER AND STEAM PIPING.
AB. COMPLETE RACEWAY INSTALLATION BEFORE STARTING CONDUCTOR INSTALLATION.
AC. SUPPORT RACEWAYS AS SPECIFIED IN "HANGERS AND SUPPORTS FOR ELECTRICAL SYSTEMS."
AD. ARRANGE STUB-UPS SO CURVED PORTIONS OF BENDS ARE NOT VISIBLE ABOVE THE FINISHED SLAB.
AE. INSTALL NO MORE THAN THE EQUIVALENT OF THREE 90-DEGREE BENDS IN ANY CONDUIT RUN EXCEPT FOR COMMUNICATIONS CONDUITS, FOR WHICH FEWER BENDS ARE ALLOWED.
AF. CONCEAL CONDUIT AND EMT WITHIN FINISHED WALLS, CEILINGS, AND FLOORS, UNLESS OTHERWISE INDICATED.
AG. RACEWAYS EMBEDDED IN SLABS:
1. RUN CONDUIT LARGER THAN 1-INCH (27-MM) TRADE SIZE, PARALLEL OR AT RIGHT ANGLES TO MAIN REINFORCEMENT. WHERE AT RIGHT ANGLES TO REINFORCEMENT, PLACE CONDUIT CLOSE TO SLAB SUPPORT.
2. ARRANGE RACEWAYS TO CROSS BUILDING EXPANSION JOINTS AT RIGHT ANGLES WITH EXPANSION FITTINGS.
3. CHANGE FROM ENT TO RNC, TYPE EPC-40-PVC, RIGID STEEL CONDUIT, OR IMC BEFORE RISING ABOVE THE FLOOR.
AH. THREADED CONDUIT JOINTS, EXPOSED TO WET, DAMP, CORROSIVE, OR OUTDOOR CONDITIONS: APPLY LISTED COMPOUND TO THREADS OF RACEWAY AND FITTINGS BEFORE MAKING UP JOINTS. FOLLOW COMPOUND MANUFACTURER'S WRITTEN INSTRUCTIONS.
AI. RACEWAY TERMINATIONS AT LOCATIONS SUBJECT TO MOISTURE OR VIBRATION: USE INSULATING BUSHINGS TO PROTECT CONDUCTORS, INCLUDING CONDUCTORS SMALLER THAN NO. 4 AWG.
AJ. INSTALL PULL WIRES IN EMPTY RACEWAYS. USE POLYPROPYLENE OR MONOFILAMENT PLASTIC LINE WITH NOT LESS THAN 200-LB (90-KG) TENSILE STRENGTH. LEAVE AT LEAST 12 INCHES (300 MM) OF SLACK AT EACH END OF PULL WIRE.
AK. RACEWAYS FOR OPTICAL FIBER AND COMMUNICATIONS CABLE: INSTALL RACEWAYS, METALLIC AND NONMETALLIC, RIGID AND FLEXIBLE, AS FOLLOWS:
1. 3/4-INCH (19-MM) TRADE SIZE AND SMALLER: INSTALL RACEWAYS IN MAXIMUM LENGTHS OF 50 FEET (15 M).
2. 1-INCH (25-MM) TRADE SIZE AND LARGER: INSTALL RACEWAYS IN MAXIMUM LENGTHS OF 75 FEET (23 M).
3. INSTALL WITH A MAXIMUM OF TWO 90-DEGREE BENDS OR EQUIVALENT FOR EACH LENGTH OF RACEWAY UNLESS DRAWINGS SHOW STRICTER REQUIREMENTS. SEPARATE LENGTHS WITH PULL OR JUNCTION BOXES OR TERMINATIONS AT DISTRIBUTION FRAMES OR CABINETS WHERE NECESSARY TO COMPLY WITH THESE REQUIREMENTS.
AL. INSTALL RACEWAY SEALING FITTINGS AT SUITABLE, APPROVED, AND ACCESSIBLE LOCATIONS AND FILL THEM WITH LISTED SEALING COMPOUND. FOR CONCEALED RACEWAYS, INSTALL EACH FITTING IN A FLUSH STEEL BOX WITH A BLANK COVER PLATE HAVING A FINISH SIMILAR TO THAT OF ADJACENT PLATES OR SURFACES. INSTALL RACEWAY SEALING FITTINGS AT THE FOLLOWING POINTS:
1. WHERE CONDUITS PASS FROM WARM TO COLD LOCATIONS, SUCH AS BOUNDARIES OF REFRIGERATED SPACES.
2. WHERE OTHERWISE REQUIRED BY NFPA 70.
AP. FLEXIBLE CONDUIT CONNECTIONS: USE MAXIMUM OF 48 INCHES (1219 MM) OF FLEXIBLE CONDUIT FOR RECESSED AND SEMIRECESSED LIGHTING FIXTURES, EQUIPMENT SUBJECT TO VIBRATION, NOISE TRANSMISSION, OR MOVEMENT; AND FOR TRANSFORMERS AND MOTORS.
1. USE LFMC IN DAMP OR WET LOCATIONS.
AQ. RECESSED BOXES IN MASONRY WALLS: SAW-CUT OPENING FOR BOX IN CENTER OF CELL OF MASONRY BLOCK, AND INSTALL BOX FLUSH WITH SURFACE OF WALL.
AR. SET METAL FLOOR BOXES LEVEL AND FLUSH WITH FINISHED FLOOR SURFACE.
AS. FIRESTOPPING
APPLY FIRESTOPPING TO ELECTRICAL PENETRATIONS OF FIRE-RATED FLOOR AND WALL ASSEMBLIES TO RESTORE ORIGINAL FIRE-RESISTANCE RATING OF ASSEMBLY. PROVIDE SLEEVES FOR FLOOR PENETRATIONS EXTENDING 2" ABOVE FLOOR EXCEPT IN FINISHED AREAS WHERE COORDINATED WITH ARCHITECT.

PANELBOARDS

A. ENCLOSURES: FLUSH- AND SURFACE-MOUNTED CABINETS. RATED FOR ENVIRONMENTAL CONDITIONS AT INSTALLED LOCATION. INDOOR DRY AND CLEAN LOCATIONS: NEMA 250, TYPE 1. OUTDOOR LOCATIONS: NEMA 250, TYPE 3R. WET OR DAMP INDOOR LOCATIONS: NEMA 250, TYPE 4X STAINLESS STEEL.

B. FRONT: SECURED TO BOX WITH CONCEALED TRIM CLAMPS. FOR SURFACE-MOUNTED FRONTS, MATCH BOX DIMENSIONS; FOR FLUSH-MOUNTED FRONTS, OVERLAP BOX.

C. HINGED FRONT COVER: ENTIRE FRONT TRIM HINGED TO BOX AND WITH STANDARD DOOR WITHIN HINGED TRIM COVER.

D. FINISHES:
PANELS AND TRIM: GALVANIZED STEEL, FACTORY FINISHED IMMEDIATELY AFTER CLEANING AND PRETREATING WITH MANUFACTURER'S STANDARD TWO-COAT, BAKED-ON FINISH CONSISTING OF PRIME COAT AND THERMOSETTING TOPCOAT.

E. BACK BOXES: GALVANIZED STEEL.

F. FUNGUS PROOFING: PERMANENT FUNGICIDAL TREATMENT FOR OVERCURRENT PROTECTIVE DEVICES AND OTHER COMPONENTS.

G. DIRECTORY CARD: INSIDE PANELBOARD DOOR, MOUNTED IN TRANSPARENT CARD HOLDER.

H. INCOMING MAINS LOCATION: TOP AND BOTTOM.

I. PHASE, NEUTRAL AND GROUND BUSES:
MATERIAL: TIN-PLATED ALUMINUM OR HARD-DRAWN COPPER, 98 PERCENT CONDUCTIVITY.
EQUIPMENT GROUND BUS: ADEQUATE FOR FEEDER AND BRANCH-CIRCUIT EQUIPMENT GROUNDING CONDUCTORS; BONDED TO BOX.

J. CONDUCTOR CONNECTORS: SUITABLE FOR USE WITH CONDUCTOR MATERIAL AND SIZES.
MATERIAL: TIN-PLATED ALUMINUM OR HARD-DRAWN COPPER, 98 PERCENT CONDUCTIVITY.
MAIN AND NEUTRAL LUGS: COMPRESSION TYPE. GROUND LUGS AND BUS-CONFIGURED TERMINATORS: COMPRESSION TYPE. FEED-THROUGH LUGS: COMPRESSION TYPE, SUITABLE FOR USE WITH CONDUCTOR MATERIAL. LOCATE AT OPPOSITE END OF BUS FROM INCOMING LUGS OR MAIN DEVICE. RATED FOR CONNECTION OF 75 DEG C INSULATED CONDUCTORS.

K. PANELBOARD SHORT-CIRCUIT CURRENT RATING: FULLY RATED TO INTERRUPT SYMMETRICAL SHORT-CIRCUIT CURRENT AVAILABLE AT TERMINALS.

L. LIGHTING AND APPLIANCE BRANCH-CIRCUIT PANELBOARDS
MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS BY ONE OF THE FOLLOWING:
EATON ELECTRICAL INC.; CUTLER-HAMMER BUSINESS UNIT.
GENERAL ELECTRIC COMPANY; GE CONSUMER & INDUSTRIAL
SIEMENS ENERGY & AUTOMATION, INC.
SQUARE D; A BRAND OF SCHNEIDER ELECTRIC.
PANELBOARDS: NEMA PB 1, LIGHTING AND APPLIANCE BRANCH-CIRCUIT TYPE.
MAINS: CIRCUIT BREAKER OR LUGS ONLY.
BRANCH OVERCURRENT PROTECTIVE DEVICES: BOLT-ON CIRCUIT BREAKERS, REPLACEABLE WITHOUT DISTURBING ADJACENT UNITS.
DOORS: CONCEALED HINGES; SECURED WITH FLUSH LATCH WITH TUMBLER LOCK; KEYED ALIKE.

LIGHTING FIXTURES

A. GENERAL REQUIREMENTS FOR LIGHTING FIXTURES AND COMPONENTS,
1. RECESSED FIXTURES: COMPLY WITH NEMA LE 4 FOR CEILING COMPATIBILITY FOR RECESSED FIXTURES.
2. INCANDESCENT FIXTURES: COMPLY WITH UL 1598. WHERE LER IS SPECIFIED, TEST ACCORDING TO NEMA LE 5A.
3. FLUORESCENT FIXTURES: COMPLY WITH UL 1598. WHERE LER IS SPECIFIED, TEST ACCORDING TO NEMA LE 5 AND NEMA LE 5A AS APPLICABLE.
4. LED FIXTURES:
4.1. LISTED AND LABELED AS DEFINED IN NFPA 70, BY A QUALIFIED TESTING AGENCY, AND MARKED FOR INTENDED LOCATION AND APPLICATION.
4.2. EACH LUMINAIRE TYPE SHALL BE BINNED WITHIN A THREE-STEP MACADAM ELLIPSE TO ENSURE COLOR CONSISTENCY AMONG LUMINAIRES.
METAL PARTS: FREE OF BURRS AND SHARP CORNERS AND EDGES. SHEET METAL COMPONENTS: STEEL UNLESS OTHERWISE INDICATED. FORM AND SUPPORT TO PREVENT WARPING AND SAGGING. DOORS, FRAMES, AND OTHER INTERNAL ACCESS: SMOOTH OPERATING, FREE OF LIGHT LEAKAGE UNDER OPERATING CONDITIONS, AND DESIGNED TO PERMIT RELAMPING WITHOUT USE OF TOOLS. DESIGNED TO PREVENT DOORS, FRAMES, LENSES, DIFFUSERS, AND OTHER COMPONENTS FROM FALLING ACCIDENTALLY DURING RELAMPING AND WHEN SECURED IN OPERATING POSITION.
B. DIFFUSERS AND GLOBES:
1. ACRYLIC LIGHTING DIFFUSERS: 100 PERCENT VIRGIN ACRYLIC PLASTIC. HIGH RESISTANCE TO YELLOWING AND OTHER CHANGES DUE TO AGING, EXPOSURE TO HEAT, AND UV RADIATION.
2. LENS THICKNESS: AT LEAST 0.125 INCH (3.175 MM) MINIMUM UNLESS OTHERWISE INDICATED.
3. UV STABILIZED.
4. GLASS: ANNEALED CRYSTAL GLASS UNLESS OTHERWISE INDICATED.
C. FACTORY-APPLIED LABELS: COMPLY WITH UL 1598. INCLUDE RECOMMENDED LAMPS AND BALLASTS. LABELS SHALL BE LOCATED WHERE THEY WILL BE READILY VISIBLE TO SERVICE PERSONNEL, BUT NOT SEEN FROM NORMAL VIEWING ANGLES WHEN LAMPS ARE IN PLACE. LABEL SHALL INCLUDE THE FOLLOWING LAMP AND BALLAST CHARACTERISTICS:
1. "USE ONLY" AND INCLUDE SPECIFIC LAMP TYPE.
2. LAMP DIAMETER CODE (T-4, T-5, T-8, T-12, ETC.), TUBE CONFIGURATION (TWIN, QUAD, TRIPLE, ETC.), BASE TYPE, AND NOMINAL WATTAGE FOR FLUORESCENT AND COMPACT FLUORESCENT LUMINAIRES.
3. LAMP TYPE, WATTAGE, BULB TYPE (ED17, BD56, ETC.) AND COATING (CLEAR OR COATED) FOR HID LUMINAIRES.
4. START TYPE (PREHEAT, RAPID START, INSTANT START, ETC.) FOR FLUORESCENT AND COMPACT FLUORESCENT LUMINAIRES.
5. ANSI BALLAST TYPE (M98, M57, ETC.) FOR HID LUMINAIRES.
6. CCT AND CRI FOR ALL LUMINAIRES.
D. ELECTROMAGNETIC-INTERFERENCE FILTERS: FACTORY INSTALLED TO SUPPRESS CONDUCTED ELECTROMAGNETIC INTERFERENCE AS REQUIRED BY MIL-STD-461E. FABRICATE LIGHTING FIXTURES WITH ONE FILTER ON EACH BALLAST INDICATED TO REQUIRE A FILTER.

BALLASTS

A. BALLASTS FOR LINEAR FLUORESCENT LAMPS, GENERAL REQUIREMENTS FOR ELECTRONIC BALLASTS:
1. COMPLY WITH UL 935 AND WITH ANSI C82.11.
2. DESIGNED FOR TYPE AND QUANTITY OF LAMPS SERVED.
3. BALLASTS SHALL BE DESIGNED FOR FULL LIGHT OUTPUT UNLESS ANOTHER BF, DIMMER, OR BI-LEVEL CONTROL IS INDICATED.
4. SOUND RATING: CLASS A.
5. TOTAL HARMONIC DISTORTION RATING: LESS THAN 10 PERCENT.
6. TRANSIENT VOLTAGE PROTECTION: IEEE C62.41.1 AND IEEE C62.41.2, CATEGORY A OR BETTER.
7. OPERATING FREQUENCY: 42 KHZ OR HIGHER.
8.

ELECTRICAL LIGHTING GENERAL NOTES:

1. MEP SPECIFICATIONS SHALL APPLY TO ALL WORK SHOWN ON THIS DRAWING UNLESS OTHERWISE NOTED.
2. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLAN FOR THE EXACT LOCATION OF ALL LIGHTING FIXTURES.
3. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL JUNCTION BOXES IN THE JUNCTION BOX GRID AND AVAILABILITY OF ALL CIRCUITS INDICATED TO BE USED.
4. ALL LIGHTING FIXTURES, LAMPS AND EXIT SIGNS SHALL MATCH BASE BUILDING STANDARD UNLESS OTHERWISE NOTED.
5. CONTRACTOR SHALL REFER TO BUILDING MANAGEMENT'S "RULES AND REGULATIONS" TO COMPLY WITH BUILDING STANDARDS.

ELECTRICAL POWER GENERAL NOTES:

1. MEP SPECIFICATIONS SHALL APPLY TO ALL WORK ON THIS DRAWING UNLESS OTHERWISE NOTED.
2. REFER TO ARCHITECT FOR EXACT HEIGHT AND LOCATION OF ALL FLOOR AND WALL OUTLETS.
3. ALL DATA/TELEPHONE OUTLETS SHALL BE PROVIDED WITH PULL STRINGS.
4. CONTRACTOR SHALL LOCATE ALL ELECTRICAL & TELEPHONE OUTLETS WITHIN THE LIMITS OF THE TENANT FURNITURE PLAN PROVIDED BY THE ARCHITECT. CONTRACTOR SHALL MARK INTENDED LOCATION OF ALL OUTLETS PRIOR TO INSTALLATION, THEN SHALL NOTIFY TENANT FOR APPROVAL BEFORE PROCEEDING.
5. CONTRACTOR SHALL PROVIDE NEW CIRCUIT DIRECTORY CARD AT PANELS. CIRCUITS SHALL BE LABELED TO CORRESPOND TO THE CIRCUITS SHOWN ON THE DRAWINGS. CONTRACTOR SHALL CONNECT CIRCUITS AS REQUIRED TO COMPLY WITH THIS DRAWING.
6. CONDUCTORS SHALL BE #12 AWG SOLID COPPER (THWN) IN 1/2" CONDUIT UNLESS OTHERWISE INDICATED.
7. ALL OUTLETS TO BE MOUNTED VERTICALLY UNLESS OTHERWISE INDICATED.
8. CONTRACTOR SHALL PROVIDE ONE PULL STRING FOR EACH VOICE OR DATA OUTLET SHOWN. WHEN VOICE AND DATA OUTLETS ARE SHOWN ADJACENT, CONTRACTOR SHALL PROVIDE ONE PULL STRING (WITH ONE WALL PENETRATION) FOR THE PAIR, UNLESS NOTED OTHERWISE. VOICE AND DATA LINES SHALL BE PULLED BY OTHERS.
9. CONTRACTOR SHALL REFER TO BUILDING MANAGEMENT'S "RULES AND REGULATIONS" TO COMPLY WITH BUILDING STANDARDS.
10. GANG TOGETHER, ALL NEW ELECTRICAL, TELEPHONE AND COMPUTER OUTLETS SHOWN ADJACENT TO EACH OTHER.
11. VERIFY FINAL LOCATIONS FOR ROUGH-INS WITH FIELD MEASUREMENTS AND WITH THE REQUIREMENTS OF THE ACTUAL EQUIPMENT TO BE CONNECTED.
12. COORDINATE THE INSTALLATION OF ELECTRICAL MATERIALS AND EQUIPMENT ABOVE CEILINGS WITH SUSPENSION SYSTEM, MECHANICAL EQUIPMENT AND SYSTEMS, AND STRUCTURAL COMPONENTS. COORDINATE ELECTRICAL EQUIPMENT AND MATERIALS INSTALLATION WITH OTHER BUILDING COMPONENTS.
13. VERIFY MECHANICAL EQUIPMENT SWITCH AND CONNECTION REQUIREMENTS, ITEM BY ITEM, WITH THE MECHANICAL CONTRACTOR, BEFORE WIRING EQUIPMENT. RESOLVE ALL DISCREPANCIES WITHOUT FURTHER COST TO OWNER.
14. FOR RETURN AIR PLENUMS, ALL MATERIALS LOCATED WITHIN A RETURN AIR PLENUM SHALL BE RATED AND APPROVED FOR INSTALLATION IN A RETURN AIR PLENUM.

ELECTRICAL DISTRIBUTION DIAGRAM NOTES:

1. CONDUCTOR SIZES SHOWN ARE FOR COPPER CONDUCTORS WITH THWN INSULATION IN EMT (4" C., OR LESS) OR RIGID CONDUIT (> 4" C.) PROVIDE GROUNDING CONDUCTORS FOR ALL CONDUIT. GROUNDING CONDUCTORS ARE NEEDED FOR ALL PVC CONDUIT.
2. SHORT CIRCUIT CURRENT VALUES ARE GIVEN IN RMS SYMETRICAL AMPERES. PREFIX "FCA" INDICATES MAXIMUM AVAILABLE FAULT CURRENT. PREFIX "FCLT" INDICATES APPARENT LET-THRU CURRENT FROM UPSTREAM CURRENT LIMITING DEVICE.
3. ELECTRICAL SYSTEM SHALL BE FULLY RATED. SERIES RATED EQUIPMENT IS NOT ACCEPTABLE.
4. PROVIDE FULL LENGTH, FULL SIZE INSULATED GROUND AND NEUTRAL BUS IN ALL PANELBOARDS.
5. REFER TO ELECTRICAL UTILITY SPECIFICATIONS FOR ALL WORK AT SERVICE POINT OF ATTACHMENT.
6. CONTRACTOR TO VERIFY FAULT CURRENT AVAILABLE AT UTILITY TRANSFORMER SECONDARY WITH ELECTRICAL UTILITY FOR THE FINAL SELECTION OF EQUIPMENT AIC RATINGS.
7. SPARES AND SPACES ARE INDICATED ON PANELBOARD SCHEDULES.
8. FLEXIBLE METAL CONDUIT SHALL NOT BE USED IN WET LOCATIONS OR WET AREAS.
9. ALL FEEDER AND BRANCH CIRCUIT WIRING METHODS SHALL INCLUDE AN EQUIPMENT-GROUNDING CONDUCTOR PER NEC.
10. ALL CONDUIT BELOW GRADE OR IN CONCRETE SLABS SHALL BE PVC. MAXIMUM CONDUIT SIZE FOR CONDUIT IN CONCRETE SLABS IS 3/4".
11. A PERMANENTLY AFFIXED LABEL SHALL BE APPLIED WITH THE AVAILABLE FAULT CURRENT AT THE TIME OF INSTALLATION AND CALCULATION. THE LABEL SHALL BE 2 X 3 IN SIZE AND SHALL BE BLUE LETTERING ON A CONTRASTING BACKGROUND. THIS LABEL SHALL ALSO INCLUDE THE DATE OF THE CALCULATION. COH ELECTRICAL CODE 504.1.1.

LEGEND OF ELECTRICAL SYMBOLS

SYMBOL	DESCRIPTION
FCA = XXXXA FCLT = XXXXA MIN I.C. = XXXXA	FAULT CURRENT CALCULATION RESULTS.
	CONDUIT RUN CONCEALED IN WALLS OR ABOVE CEILING. ARROW INDICATES HOMERUN TO PANEL. CONDUCTOR DESIGNATIONS ARE AS FOLLOWS: LONG HATCH INDICATES NEUTRAL, SHORT HATCH INDICATES PHASE, " " INDICATES INSULATED OR ISOLATED GROUND, " " INDICATES SWITCHLEG, AND NO HATCHES INDICATES TWO CONDUCTORS.
	PARTIAL HOME RUN. SAME AS ABOVE.
	CONDUIT RUN CONCEALED IN FLOOR SLAB, BELOW FLOOR SLAB OR BELOW GRADE. WIRING SAME AS ABOVE.
	DUPLEX RECEPTACLE OUTLET; 20 AMP, 125V., 3 WIRE, GROUNDED TYPE.
	QUADRUPLEX RECEPTACLE OUTLET GANGED WITH A COMMON WALL PLATE; (2)-20 AMP, 125V, 3 WIRE, GROUNDED TYPE.
GFCI	DUPLEX RECEPTACLE OUTLET WITH GROUND FAULT INTERRUPTER; 20 AMP, 125V., 3 WIRE GROUNDED TYPE.
	JUNCTION BOX MOUNTED ABOVE ACCESSIBLE CEILING.
	JUNCTION BOX
	DISCONNECT IN A NEMA 1 ENCLOSURE, UNLESS OTHERWISE SPECIFIED. REFER TO DRAWINGS FOR AMPERAGE, PHASES, & FUSE SIZE. (IF REQUIRED)
M	MOTOR STARTER / DISCONNECT IN A NEMA 1 ENCLOSURE, UNLESS OTHERWISE SPECIFIED. REFER TO DRAWINGS FOR AMPERAGE, PHASES, FUSE SIZE (IF REQUIRED), AND SIZE.
	TRANSFORMER - REFER TO DRAWINGS FOR VOLTAGE AND AMPERAGE.
	SURFACE PANELBOARD W/ NEC CLEARANCES; 120/208 VOLT.
	SURFACE PANELBOARD W/ NEC CLEARANCES; 277/480 VOLT.

NOTES: 1. ALL SYMBOLS MAY NOT BE USED ON THIS DRAWINGS.
2. REFER TO SPECIFICATIONS FOR MOUNTING HEIGHTS

LIGHT FIXTURE SCHEDULE

LABEL	MANUFACTURER + SPECIFICATION	MOUNTING	LAMP (NO./TYPE)	VOLTS	REMARKS
SL3	LSI MRS-LED-24L-SIL-5W-UNV-DIM-40-70CRI-FINISH	POLE	LED (196 WATTS EACH, 588 WATTS TOTAL	120	THREE POLE LED FIXTURES ON POLE AT 30' A.F.F.
SL4	LSI MRS-LED-24L-SIL-5W-UNV-DIM-40-70CRI-FINISH	POLE	LED (196 WATTS EACH, 784 WATTS TOTAL	120	FOUR POLE LED FIXTURES ON POLE AT 30' A.F.F.
D	WILLIAMS 4DR-TL-L30/840-DIM-UNV-LW-OF-CS-WETCC	RECESSED	LED (27.8 WATTS)	120	
DE	WILLIAMS 4DR-TL-L30/840-DIM-UNV-LW-OF-CS-WETCC	RECESSED	LED (27.8 WATTS)	120	PROVIDE WITH 90-MINUTE BATTERY BACK.

THIS FIXTURE SCHEDULE IS INTENDED TO PROVIDE GENERAL LIGHTING FIXTURE QUALITY AND PERFORMANCE REQUIREMENTS ONLY. CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN THE EXACT MODEL/CATALOG NUMBER OF THE LIGHTING FIXTURES LISTED ABOVE. ANY DIFFERENCES BETWEEN THIS LIGHTING FIXTURE SCHEDULE AND ARCHITECTURAL DRAWINGS OR MANUFACTURERS PRODUCT LISTINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.

SLI DESIGN, INC.
ARCHITECTURE PLANNING INTERIOR DESIGN
15810 PARK TEN PLACE, SUITE 300
HOUSTON, TEXAS 77084
713-465-4650
www.sligroup.com

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Neches FCU - Little Cypress ITM
STATE HWY 87 Orange, TX 77632

E/B/E PROJECT NUMBER : 26014.00

	DATE
ISSUED FOR CLIENT APPROVAL	
ISSUED FOR BIDDING	
ISSUED FOR PERMIT	
ISSUED FOR CONSTRUCTION	

REVISIONS

MARK	DESCRIPTION	DATE
	ISSUE FOR PROGRESS REVIEW	02/06/2026
	ISSUE FOR PERMIT & CONSTRUCTION	03/03/2026

PRINT DATE



DRAWING TITLE
ELECTRICAL INFORMATION SHEET

SHEET NO.
E0.01

E/B/E CONSULTING ENGINEERS Mechanical Electrical Plumbing
12603 Southwest Frwy, Ste 170, Stafford, Tx 77477
Tel: (713) 840-0177 / Firm Reg. No: 5638

ELECTRICAL POWER GENERAL NOTES:

1. MEP SPECIFICATIONS SHALL APPLY TO ALL WORK ON THIS DRAWING UNLESS OTHERWISE NOTED.
2. CONTRACTOR SHALL PROVIDE NEW CIRCUIT DIRECTORY CARD AT PANELS. CIRCUITS SHALL BE LABELED TO CORRESPOND TO THE CIRCUITS SHOWN ON THE DRAWINGS. CONTRACTOR SHALL CONNECT CIRCUITS AS REQUIRED TO COMPLY WITH THIS DRAWING.
3. CONDUCTORS SHALL BE #12 AWG SOLID COPPER (THWN) IN 1/2" CONDUIT UNLESS OTHERWISE INDICATED.
4. ALL OUTLETS TO BE MOUNTED VERTICALLY UNLESS OTHERWISE INDICATED.
5. VERIFY FINAL LOCATIONS FOR ROUGH-INS WITH FIELD MEASUREMENTS AND WITH THE REQUIREMENTS OF THE ACTUAL EQUIPMENT TO BE CONNECTED.

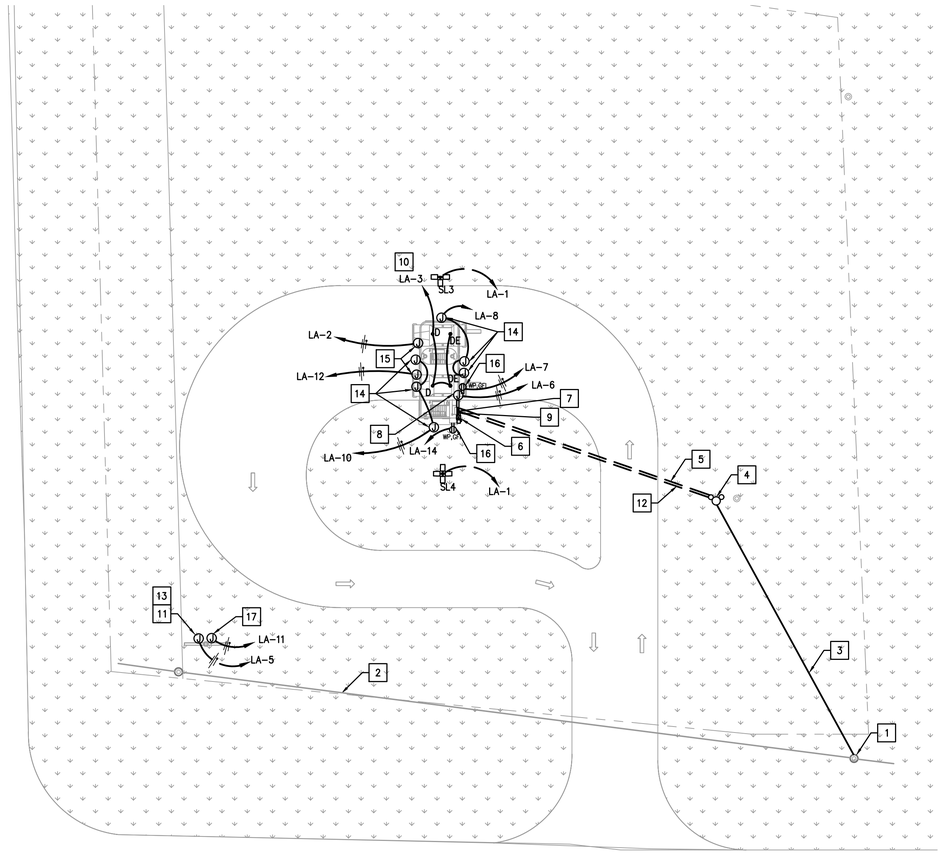
ELECTRICAL POWER KEYED NOTES:

1. EXISTING UTILITY POWER POLE.
2. EXISTING OVERHEAD POWER LINES PER UTILITY COMPANY.
3. NEW OVERHEAD POWER LINES PER UTILITY COMPANY.
4. PROPOSED NEW UTILITY TRANSFORMER POWER POLE LOCATION.
5. NEW UNDERGROUND POWER LINES. REFER TO RISER DIAGRAM FOR MORE INFORMATION.
6. NEW METER AND DISCONNECT. REFER TO RISER DIAGRAM FOR MORE INFORMATION. PROVIDE PROTECTIVE BOLLARDS AS NECESSARY.
7. NEW NEMA-3R LOCKABLE PANEL ENCLOSURE ON STONE WALL, NVENT HOFFMAN MODEL# A24H2408SSLP WITH SQUARE-D MODEL #QON112L125PI LOAD CENTER MOUNTING BASE AND CITEL DS73US-120T.G SURGE PROTECTOR.
8. NEW WEATHERPROOF JUNCTION-BOX FOR SECURITY EQUIPMENT. COORDINATE EXACT LOCATION PRIOR TO COMMENCEMENT OF WORK.
9. PROVIDE PHOTOCELL CONTROLLER. USE CIRCUITS LA-13,15,17.
10. DOWNLIGHT CIRCUIT TO BE UNCONTROLLED AND TO RUN CONTINUOUSLY PER C405.2 EXCEPTION #1 AND TEXAS FINANCE CODE SEC. 59.307.
11. JUNCTION BOX FOR SIGN POWER CONTROLLED BY PHOTOCELL. COORDINATE EXACT LOCATION IN FIELD.
12. PROVIDE (2) 2" UNDERGROUND CONDUITS WITH PULL WIRE FOR DATA/COMMUNICATIONS PER LOCAL UTILITY REQUIREMENTS. COORDINATE EXACT SIZES AND LOCATIONS PRIOR TO COMMENCEMENT OF WORK.
13. PROVIDE 1" UNDERGROUND CONDUIT TO SIGN FOR DATA CONNECTION.
14. PROVIDE JUNCTION BOX FOR ITM SIGN. COORDINATE EXACT LOCATION AND ADDITIONAL REQUIREMENTS PRIOR TO COMMENCEMENT OF WORK.
15. PROVIDE 12X12 JUNCTION BOX FOR ITM POWER. PROVIDE A TOTAL OF (5)1" CONDUITS FOR POWER, DATA, SECURITY AND TWO SPARES TO STONE WALL. COORDINATE EXACT LOCATION AND ADDITIONAL REQUIREMENTS PRIOR TO COMMENCEMENT OF WORK.
16. PROVIDE GFI DUPLEX RECEPTACLE IN WEATHERPROOF ENCLOSURE. COORDINATE EXACT LOCATION.
17. JUNCTION BOX FOR SIGN POWER, CONSTANT HOT.

ELECTRICAL LIGHTING CONTROL NOTES:

CIRCUITS TO BE CONTROLLED BY PHOTOCELL OUPUTS:

LA-5	SIGN LIGHT
LA-3	ITM LIGHT
LA-1	POLE LIGHT
LA-8	CANOPY SIGNS
LA-10	CANOPY SIGNS



01 ELECTRICAL SITE PLAN
SCALE: 1"=20'-0"

SLI DESIGN, INC.
ARCHITECTURE PLANNING INTERIOR DESIGN
15810 PARK TEN PLACE, SUITE 300
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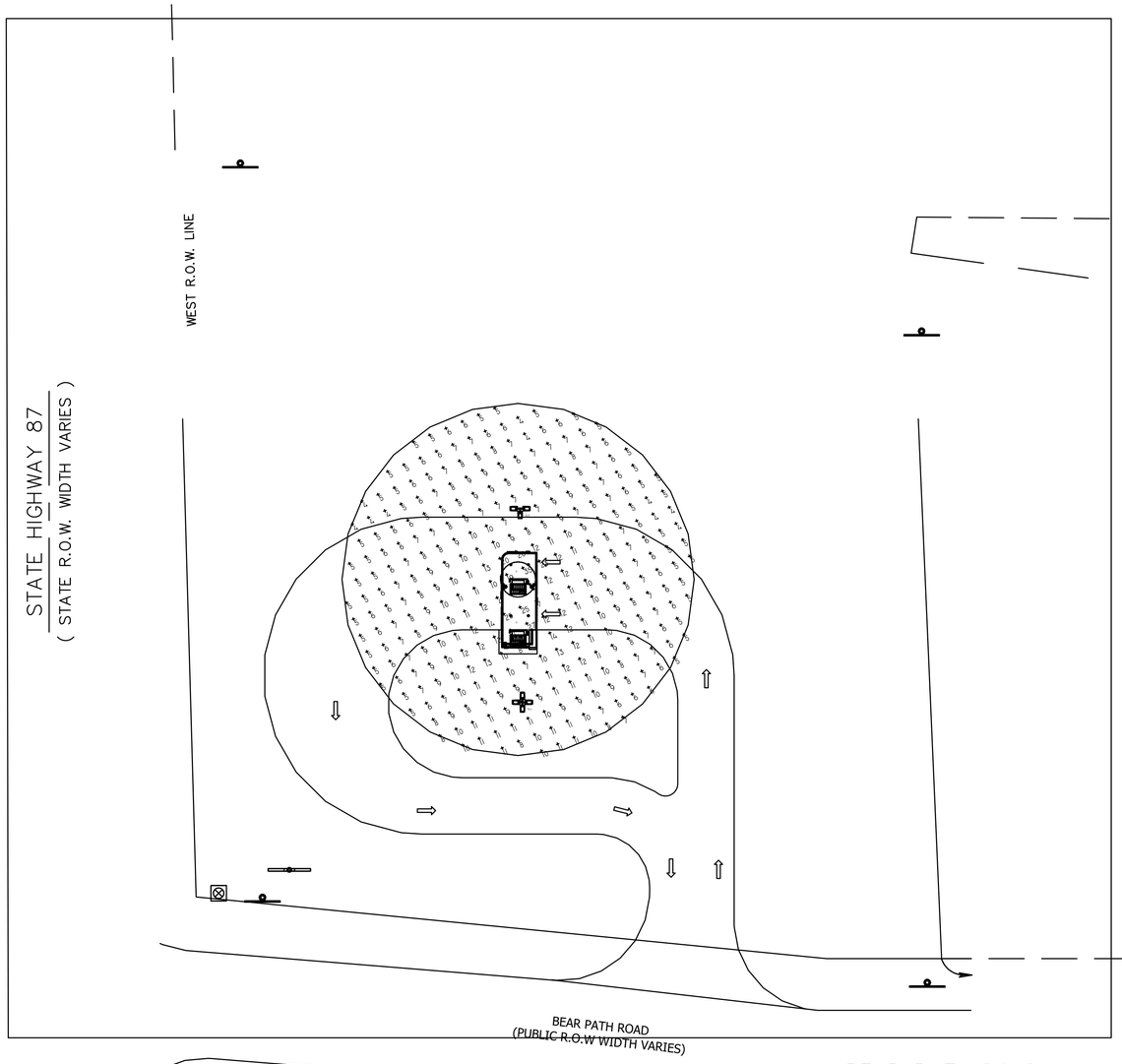
JOSE M. GUERRERO
154536
LICENSED PROFESSIONAL ENGINEER
03/03/2026

DRAWING TITLE
ELECTRICAL SITE PLAN

SHEET NO.
E1.01

E|B|E CONSULTING ENGINEERS Mechanical Electrical Plumbing
12603 Southwest Frwy, Ste 170, Stafford, Tx 77477
Tel: (713) 840-0177 / Firm Reg. No: 5638

NORTH



LUMINAIRE SCHEDULE

SYMBOL	QTY	LABEL	MOUNTING HEIGHT	ARRANGEMENT	DESCRIPTION	LLF	LUMINAIRE LUMENS	LUMINAIRE WATTS	TOTAL WATTS
	1	SL3	30	3 @ 90 DEGREES	LSI P/N: MRS-LED-2AL-SIL-SW-UNV-DIM-40-70CRI-FINISH	0.850	23578	196	588
	1	SL4	30	4 @ 90 DEGREES	LSI P/N: MRS-LED-2AL-SIL-SW-UNV-DIM-40-70CRI-FINISH	0.850	23578	196	784
	4	D	9.79	SINGLE	WILLIAMS P/N: ADR-TL-LSI/840-DIM-UNV-LW-OF-CS-WETCC	0.850	2042	27.8	111.2

CALCULATION SUMMARY

LABEL	CALCTYPE	GRID Z	UNITS	AVG	MAX	MIN	AVG/MIN	MAX/MIN
50' RADIUS	ILLUMINANCE	0	FC	8	35	4	2	9
ITM FACE_PLANAR_1	ILLUMINANCE	0.5 TO 5.148	FC	7	7	7	1	1
5' RADIUS	ILLUMINANCE		FC	17	35	7	2	5

5' RADIUS

ILLUMINANCE (FC)
AVERAGE = 17
MAXIMUM = 35
MINIMUM = 7
AVG/MIN RATIO = 2
MAX/MIN RATIO = 5

01 PHOTOMETRICS - ATM COMPLIANCE
SCALE: 1"=20'-0"

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E/B/E PROJECT NUMBER : 26014.00

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ISSUED FOR CONSTRUCTION	

REVISIONS

MARK	DESCRIPTION	DATE
	ISSUE FOR PROGRESS REVIEW	02/06/2026
	ISSUE FOR PERMIT & CONSTRUCTION	03/03/2026

PRINT DATE

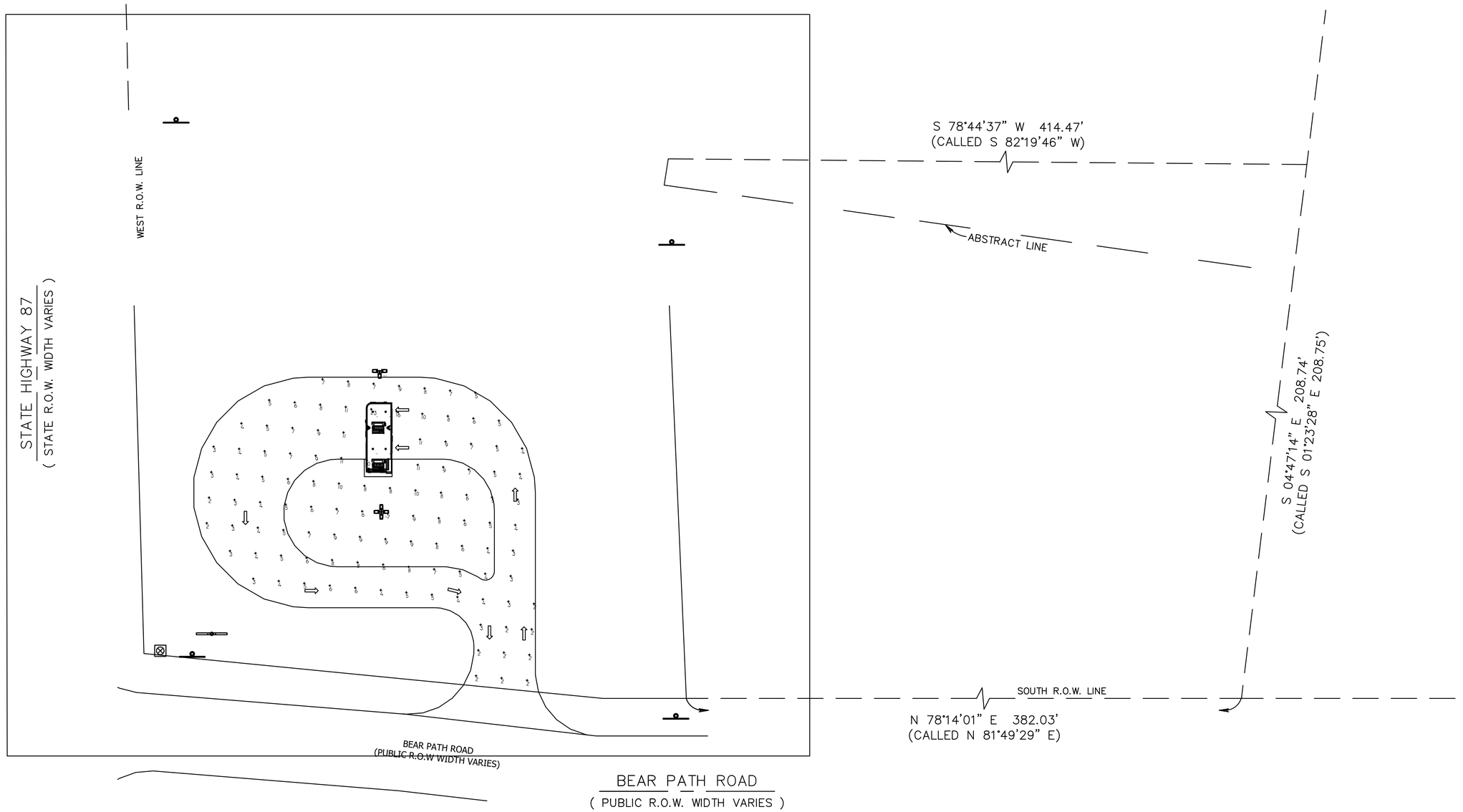
JOSE M. GUERRERO
154536
LICENSED PROFESSIONAL ENGINEER
03/03/2026

DRAWING TITLE
PHOTOMETRICS - ATM

SHEET NO.
E1.02

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Tel: (713) 840-0177 / Firm Reg. No: 5638

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Luminaire Schedule									
Symbol	Qty	Label	Mounting Height	Arrangement	Description	LLF	Luminaire Lumens	Luminaire Watts	Total Watts
	1	SL3	30	3 @ 90 DEGREES	LSI P/N: MRS-LED-2AL-SIL-5W-UNV-DIM-40-70CRI-FINISH	0.850	23578	196	588
	1	SL4	30	4 @ 90 DEGREES	LSI P/N: MRS-LED-2AL-SIL-5W-UNV-DIM-40-70CRI-FINISH	0.850	23578	196	784
	4	9	9.79	SINGLE	WILLIAMS P/N: ADR-TL-L30/840-DIM-UNV-LW-OF-CS-WETCC	0.850	2042	27.8	111.2

Calculation Summary								
Label	CalcType	Grid Z	Units	Avg	Max	Min	Avg/Min	Max/Min
CALCS @ GRADE	Illuminance	0	Fc	6	23	2	3	12

01 PHOTOMETRICS - GENERAL ILLUMINATION
SCALE: 1"=20'-0"

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	ISSUE FOR PERMIT & CONSTRUCTION	03/03/2026

PRINT DATE

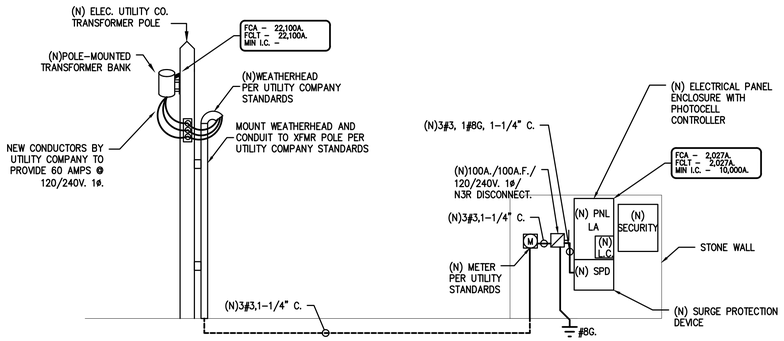
JOSE M. GUERRERO
154536
LICENSED PROFESSIONAL ENGINEER
03/03/2026

DRAWING TITLE
PHOTOMETRICAL - SITE

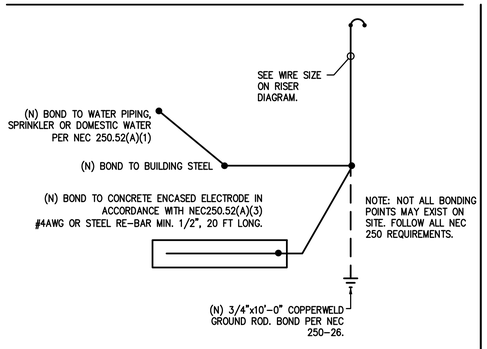
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E1.03

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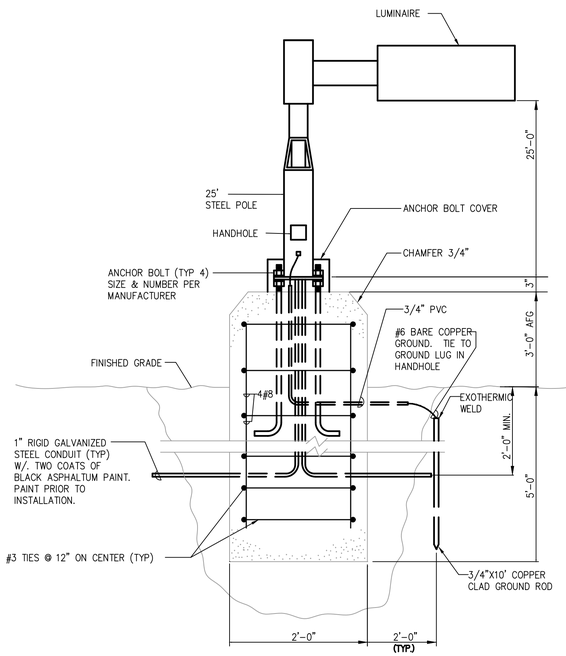
NORTH



01 ELECTRICAL RISER DIAGRAM
SCALE: N.T.S.



GROUNDING DETAIL 02
SCALE: NONE



POLE MOUNTED SITE LIGHT 03
SCALE: NONE

ELECTRICAL DISTRIBUTION DIAGRAM NOTES:

1. CONDUCTOR SIZES SHOWN ARE FOR COPPER CONDUCTORS WITH THWN INSULATION IN EMT (4" C., OR LESS) OR RIGID CONDUIT (> 4" C.) PROVIDE GROUNDING CONDUCTORS FOR ALL CONDUIT. GROUNDING CONDUCTORS ARE NEEDED FOR ALL PVC CONDUIT.
2. SHORT CIRCUIT CURRENT VALUES ARE GIVEN IN RMS SYMETRICAL AMPERES. PREFIX 'FCA' INDICATES MAXIMUM AVAILABLE FAULT CURRENT. PREFIX 'FCLT' INDICATES APPARENT LET–THRU CURRENT FROM UPSTREAM CURRENT LIMITING DEVICE.
3. ELECTRICAL SYSTEM SHALL BE FULLY RATED. SERIES RATED EQUIPMENT IS NOT ACCEPTABLE.
4. PROVIDE FULL LENGTH, FULL SIZE INSULATED GROUND AND NEUTRAL BUS IN ALL PANELBOARDS.
5. REFER TO ELECTRICAL UTILITY SPECIFICATIONS FOR ALL WORK AT SERVICE POINT OF ATTACHMENT.
6. CONTRACTOR TO VERIFY FAULT CURRENT AVAILABLE AT UTILITY TRANSFORMER SECONDARY WITH ELECTRICAL UTILITY FOR THE FINAL SELECTION OF EQUIPMENT AIC RATINGS.
7. SPARES AND SPACES ARE INDICATED ON PANELBOARD SCHEDULES.
8. FLEXIBLE METAL CONDUIT SHALL NOT BE USED IN WET LOCATIONS OR WET AREAS.
9. ALL FEEDER AND BRANCH CIRCUIT WIRING METHODS SHALL INCLUDE AN EQUIPMENT–GROUNDING CONDUCTOR PER NEC.
10. ALL CONDUIT BELOW GRADE OR IN CONCRETE SLABS SHALL BE PVC. MAXIMUM CONDUIT SIZE FOR CONDUIT IN CONCRETE SLABS IS 3/4".
11. A PERMANENTLY AFFIXED LABEL SHALL BE APPLIED WITH THE AVAILABLE FAULT CURRENT AT THE TIME OF INSTALLATION AND CALCULATION. THE LABEL SHALL BE 2 X 3 IN SIZE AND SHALL BE BLUE LETTERING ON A CONTRASTING BACKGROUND. THIS LABEL SHALL ALSO INCLUDE THE DATE OF THE CALCULATION. COH ELECTRICAL CODE 504.1.1.

VOLTAGE DROP CALCULATION:
VOLTAGE DROP CALCULATIONS HAVE BEEN PERFORMED. NO CIRCUIT HAS A VOLTAGE DROP HIGHER THAN 3%.

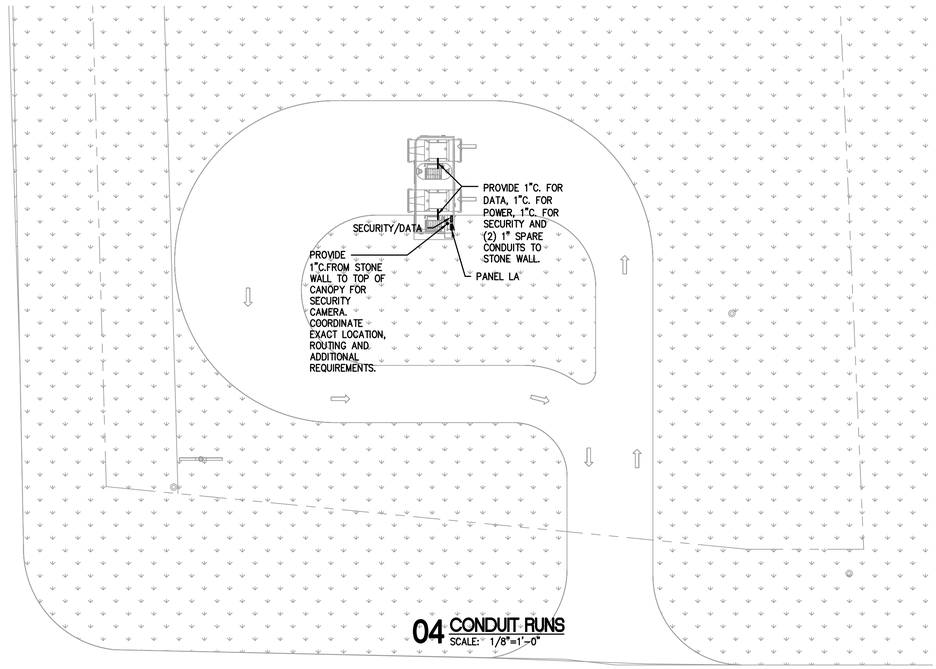
ELECTRICAL LOAD ANALYSIS					
PROJECT NAME:	NECHES – LITTLE CYPRESS ITM				
PROJECT NUMBER:	26014.00				
SERVICE VOLTAGE:	120/240V, 1 PHASE, 4 WIRE, WYE				
SERVICE RATING:	100 AMPS				
LOAD DESCRIPTION	CODE LOAD (kVA)	CONNECTED LOAD (kVA)	DEMAND FACTORS (%)	DESIGN LOAD (kVA)	REMARKS
LIGHTS (1.3 VA/FT2):		0.0	125%	0.0	NEC 220.12
SIGN LIGHTS:		0.0	125%	0.0	NEC 220.12
SITE LIGHTS:		5.8	125%	7.3	NEC 220.12
RECEPTACLES:		0.0	10kVA+50%	0.0	NEC 220.K, 220.I, 220.44
EQUIPMENT:		8.1	100%	8.1	NEC 220.14.A
WATER HEATERS:		0.0	100%	0.0	NEC 220.14.A
HVAC:		0.0	100%	0.0	NEC 220.14.A
ELECTRIC HEAT:		0.0	100%	0.0	IN HVAC
LARGEST MOTOR:		0.0	125%	0.0	NEC 430.22
		TOTAL DESIGN LOAD:		15	kVA
		@ 240, 1 PHASE:		64	AMPS

NOTE: ALL LOADS AND DEMAND FACTORS ARE IN ACCORDANCE WITH APPLICABLE SECTIONS OF NEC ARTICLE 220

PROJECT NAME: NECHES – LITTLE CYPRESS ITM
PROJECT NUMBER: 26014.00
PANEL: LA NEW PANEL
VOLTAGE: 120/240V, 1PH, 3W BUS: 125 AMP MAINS: 100A. M.C.B. ACCESSORIES: INSULATED GROUND NEMA–3R, LOCKABLE.
CODES: 0=LIGHTS 1=RECEP 2=EQUIP 3=A/C 4=HTG 5=125% LGST MTR 6=KITCHEN 7=PREVIOUSLY CALCULATED

CODE	LOAD	CIRCUIT DESCRIPTION	BKR	CKT	PH	CKT	BKR	CIRCUIT DESCRIPTION	LOAD	CODE
0	900	LTG POLE	20/1	1	A	2	30/1	ATM/ITM MACHINE	2880	2
0	126	LTG DOWNLIGHTS	20/1	3	C	4	20/1	SPARE		
0	1200	SIGN	20/1	5	A	6	20/1	SECURITY	400	2
2	600	ATT DED. QUAD RECEPT	20/1	7	C	8	20/1	SIGN	1200	0
2	600	DED. QUAD FOR DATA/SECURITY	20/1	9	A	10	20/1	SIGN	1200	0
0	1200	SIGN	20/1	11	C	12	30/1	ATM/ITM MACHINE	2880	2
2	100	PHOTOCELL CONTROLLER	20/3	13	A	14	20/1	IRRIGATION CONTROL	400	2
2	100	--	--	15	C	16	20/1	SPARE		
2	100	--	--	17	A	18	20/1	SPARE		
			20/1	19	C	20	20/1			

	LIGHTS	RECEP.	EQUIP.	MOTORS	EL. HEAT	PHASE		PHASE	CONN.KVA	LOAD FACTORS	DES. KVA	DES. AMP
	3300	0	4480	0	0	A		A	7.8	LIGHTS @ 125%	8.6	62
										EQUIP. @ 100%		
	2526	0	3580	0	0	C		C	6.1	LG. MOTOR @125%	6.7	49
	5826	0	8060	0	0	TOTAL		TOTAL	13.9	RECEPS @ 10kW+50%	15.3	64



04 CONDUIT RUNS
SCALE: 1/8"=1'–0"

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DRAWING TITLE
ELECTRICAL SCHEDULES

SHEET NO.
E2.01

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