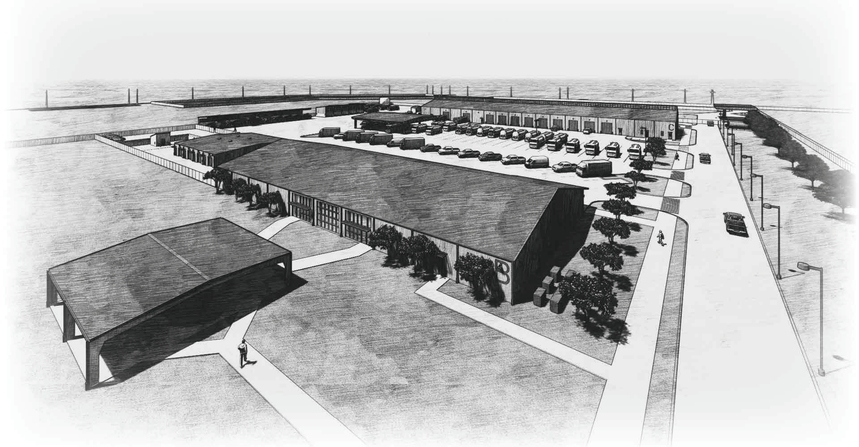
LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2

PROJECT NUMBER: DR002
4200 BROAD STREET
LAKE CHARLES, LA 70615



PROJECT TEAM

OWNER
CITY OF LAKE CHARLES
326 PUJO STREET
LAKE CHARLES, LA 70601

CITY COUNCIL
RONNIE HARVEY, JR,
DONALD FONDEL
TOMMY BILBO
MATT YOUNG
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CRAIG MARKS
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LANDSCAPE ARCHITECT
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3909 WEST CONGRESS STREET, SUITE 201
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ELECTRICAL CONSULTANT
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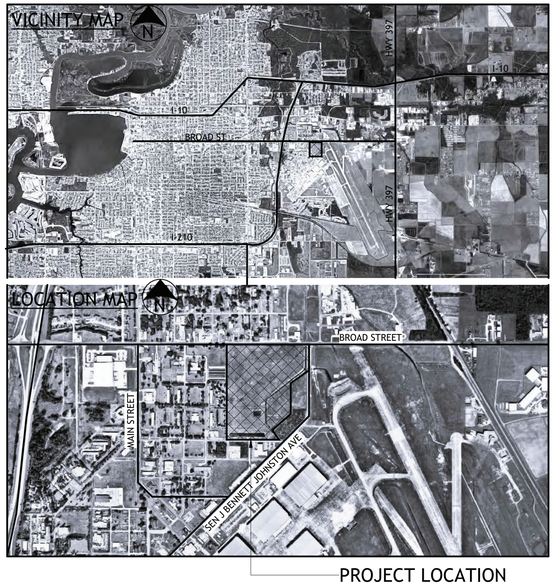
LAKE CHARLES, LA 70601
337.602.6097 PH



PROJECT DATA

General Project Desription
NEW CREW BUILDING, VEHICLE MAINTENANCE, STORAGE BLDG, FUEL STATION AND OTHER STRUCTURES ON AN EXISTING PARTIALLY DEVELOPED SITE. THIS PROJECT IS PHASE 2 OF A TWO PHASE PROJECT.

Total Area
The following Areas exclude exterior walls:

FUEL STATION:8,125 SF	TRACTOR PARKING: 4,160 SF
COVERED PAVILION: 2,500 SF	WASH AREA: 192 SF
STORAGE BLDG: 4,000 SF	ICE HOUSE: 150 SF
CREW BUILDING: 18,000 SF	COVERED BUS PARKING: 6,800 SF
VEHICLE MAINTENANCE: 30,000 SF	

Site Paving/Impervious Area Data
Parking and Drives: EX: 129,548 SF, NEW: 167,086 SF, TOTAL: 296,616 SF
Walks: 8680 SF

Code Data
Construction Types:

	NFPA:	IBC:
FUEL STATION:	TYPE II (000)	TYPE II (B)
COVERED PAVILION:	TYPE II (000)	TYPE II (B)
STORAGE BLDG:	TYPE II (000)	TYPE II (B)
CREW BUILDING:	TYPE II (000)	TYPE II (B)
VEHICLE MAINTENANCE:	TYPE II (000)	TYPE II (B)

Land Use Zoning Classification
MIXED USE L6

Occupancy Classification:

	NFPA:	IBC:
FUEL STATION:	HIGH HAZARD	HIGH HAZARD (H)
COVERED PAVILION:	ASSEMBLY	UTILITY AND MISCELLANEOUS (GROUP U)
STORAGE BLDG:	STORAGE	STORAGE (S-2)
CREW BUILDING:	BUSINESS/STORAGE/ASSEMBLY	BUSINESS (B)/ASSEMBLY (A-3)/STORAGE (S-2)
VEHICLE MAINTENANCE:	BUSINESS/STORAGE/FACTORY	BUSINESS (B)/STORAGE (S-2)/FACTORY (F-1)

Fire Protection Systems:

	FIRE SPRINKLER SYSTEM	FIRE ALARM SYSTEM
FUEL STATION:	NOT PROVIDED	NOT PROVIDED
COVERED PAVILION:	NOT PROVIDED	NOT PROVIDED
STORAGE BLDG:	NOT PROVIDED	NOT PROVIDED
CREW BUILDING:	PROVIDED	PROVIDED
VEHICLE MAINTENANCE:	PROVIDED	PROVIDED

Applicable Codes
NFPA 101 Life Safety Cods (LSC) 2015 Edition
International Building Code (IBC) 2021 Edition
International Existing Buildign Code (IEBC) 2021 Edition
Americans with Disabilities Accessibility Guidelines (ADAAG) 2010 Edition
Internaional Plumbing Code (IPC) 2021 Edition
NFPA 70 National Electric Code (NEC) 2020 Edition
International Mechanical Code (IMC) 2021 Edition
International Fuel Code (IFC) 2021 Edition
ACSE 7-16

Wind Design Criteria

	RISK CATEGORY	EXPOSURE CATEGORY	ULTIMATE DESIGN WIND SPEED
FUEL STATION:	CATEGORY IV	CATEGORY B	146 MPH
COVERED PAVILION:	CATEGORY I	CATEGORY B	140 MPH
STORAGE BLDG:	CATEGORY I	CATEGORY B	140 MPH
CREW BUILDING:	CATEGORY IV	CATEGORY B	146 MPH
VEHICLE MAINTENANCE:	CATEGORY IV	CATEGORY B	146 MPH

Occupant Loads
Refer to code analysis on Sheet T0.2

Utilities
Electricity: Served by Entergy
Natural Gas: Served by Center Point
Sewer: Municipal system served by City of Lake Charles with on-site lift station.
Water: Served by City of Lake Charles
Telephone: New Outside connection
Data/Internet: New Outside connection

DRAWING LIST

CIVIL

ARCHITECTURAL

ARCHITECTURAL- CONTINUED

LANDSCAPING

STRUCTURAL

FIRE PROTECTION

MECHANICAL

PLUMBING

ELECTRICAL

GENERAL LEGEND

101	ROOM NUMBER
101	DOOR MARK
01	WINDOW MARK
01 AX_X	ELEVATION MARK
01 AX_X	SECTION MARK

ABBREVIATIONS

AFF	ABOVE FINISH FLOOR
AHU	AIR HANDLING UNIT
ASL	ABOVE SEA LEVEL
BDS	WOOD BOARDS
BLDG	BUILDING
CC/OC	CENTER TO CENTER / ON CENTER
CJ	CONTROL JOINT
CLG	CEILING
CONC	CONCRETE
CONT	CONTINUOUS
COORD	COORDINATE
CU	CONDENSING UNIT
EJ	EXPANSION JOINTS
EX	EXISTING
EWC	ELECTRIC WATER COOLER
FE	NEW FIRE EXTINGUISHER & CABINET
FF	FINISH FLOOR
GA	GAUGE
GB	GRAB BAR (SIZE AS NOTED)
GYP BD	GYPSUM BOARD DRYWALL
HB	HOSE BIBB
HDG	HOT DIPPED GALVANIZED
HORIZ	HORIZONTAL
MB	MINI BLINDS
NIC	NOT IN CONTRACT
OL	OCCUPANCY LOAD
PB	PIPE BOLLARD
PV	PLUMBING VENT
RCP	REINFORCED CONCRETE PIPE
REV	REVERSE (IMAGE)
SIM	SIMILAR
SSH	SAFETY SHOWER
TYP	TYPICAL
VOJ	VERIFY ON JOB
W/	WITH
WDW	WINDOW
WWR	WELDED WIRE REINFORCING

DECEMBER 20, 2025

DAVID K. BROSSETT REG. NO 19277 STATE OF LOUISIANA LAKE CHARLES
12/19/2025

Brossett Architect

Brossett Architect, LLC - 414 Pujo St., Lake Charles, LA 70601

LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2
4200 BROAD STREET
LAKE CHARLES, LA 70615
TITLE SHEET

SHEET NO. T0.1

ARCH #24009 BA

VER.	DATE	DESCRIPTION
0	12/20/2025	BID DOCUMENTS

CODE COMPLIANCE REVIEW- CREW BUILDING				
	NFPA 101, 2015 EDITION		IBC, 2021 EDITION	
	CODE REFERENCE	BUILDING SPECIFIC DATA	CODE REFERENCE	BUILDING SPECIFIC DATA
BUILDING SQUARE FOOTAGE		18,000 SF		18,000 SF
OCCUPANT CLASSIFICATION	6.1.11	MIXED- ASSEMBLY, BUSINESS,	304.1	BUSINESS/STORAGE/ASSEMLY
OCCUPANT LOAD	T7.3.1.2	ASSEMBLY: 100, BUSINESS: 50, STORAGE: 10	T1004.1.2	BUSINESS/STORAGE
OCCUPANCY SEPARATION	T6.1.14.4.1 (B)	1 HR SEPARATION (W SPRINKLER)	T508.4	N/A
ALLOWABLE BUILDING HEIGHT	5000: T7.4.1	55FT	T504.3	55FT MAX
ACTUAL BUILDING HEIGHT		13'-0"		13'-0"
CONSTRUCTION TYPE	5000: 7.2.3.1	TYPE II (000)	T601	TYPE II B
HAZARD OF CONTENTS	6.2.2.3	HIGH HAZARD	-	-
MIN DOOR WIDTH	7.2.1.2.3.2	NOT LESS THAN 32 INCHES IN CLEAR WIDTH	1010.1.1	MIN CLR OPENNING WIDTH OF 32 INCHES
EGRESS CAPACITY	7.3.3.1	0.7" IN STAIRWAYS, 0.4" IN LEVEL COMPONENTS AND RAMPS	1005.3.2	MIN 0.2 INCHES PER OCCUPANT
FLOOR LEVEL AT DOORS	7.2.1.3.1	SHALL NOT VARY BY MORE THAN 1/2"	1010.1.5	SHALL HAVE A 44 INCH LENGTH MEASURED IN DIRECTION OF TRAVEL
DOOR SWING	7.2.1.4.2 (1)	IN THE DIRECTION OF EGRESS TRAVEL	1010.1.2.1	SHALL NOT REUCE THE REQUIRED WIDTH BY MORE THAN
DOOR ENCROACHMENT	7.2.1.4.3.1	SHALL LEAVE NOT LESS THAN ONE-HALF OF THE REQUIRED WIDTH OF AN AISLE,...	1005.7.1	DOORS FROM "A" OCCUPANCY WITH OVER 50 OCCUPANTS
PANIC/ EXIT DEVICE			1010.1.10	
CORRIDOR WIDTH MINIMUM	7.3.4.1 (2)	NOT LESS THAN 36 IN	T1020.2	N/A (SPRINKLERED)
NUMBER OF EGRESS	38.2.4.3	ONE IF OL IS LESS THAN OR EQUALTO 100 PERSONS	T1006.2.1	2 EXITS OR EXIT ACCESS DOORWAYS FROM ANY DIRECTION
ARRANGEMENT OF EGRESS	7.5.1.3.1	REMOTELY LOCATED TO MIN POSSIBLE IN CASE ONE EXIT IS BLOCKED	1007.1.1	EQUAL OR LESS THAN 1/2 OF THE MAX OVERALL DIAGONAL
TRAVEL DISTANCE TO EXIT	38.2.4.3 (2)	SHALL NOT EXCEED 100 FT	T1006.3.2 (2)	SHALL NOT EXCEED 100 FT
DISCHARGE FROM EXIT	38.2.4.3 (1)/7.7.1	DIRECTLY TO THE OUTSIDE AT LEVEL OF EXIT DISCHARGE OF BUILDING	1028.1	SHALL DISCHARGE DIRECTLY TO TEH EXTERIOR OF THE BUILDING
ILLUMINATION OF EXIT	38.2.8	REQUIRED FOR DESIGNATED STAIRS, AISLES, OCRRIDORS, RAMP, ESCALATORS,	1008.2	SHALL NOT BE LESS THAN 1 FOOT CANDLE
EMERGENCY LIGHTING	38.2.9.1	REQUIRED	1008.3.1	SHALL ILLUMINATE AISLE, CORRIDORS, AND EXITS
MARKING OF EXITS	38.2.10/7.10.1.2.1	SHALL BE MARKED BY APPROVED SIGN THAT IS READILY VISIBLE		
CONSTRUCTION TYPE	5000: 7.2.3.1	TYPE II (000)	T601	TYPE IIB
EXTERIOR BEARING WALLS FIRE RATED	5000: T7.2.1.1	0	T601	0
INTERIOR BEARING WALLS FIRE RATED	5000: T7.2.1.1	0	T601	0
COLUMNS FIRE RATED	5000: T7.2.1.1	0	T601	0
BEAMS, GIRDERS, TRUSSES FIRE RATED	5000: T7.2.1.1	0	T601	0
FLOOR/ CEILING FIRE RATED	5000: T7.2.1.1	0	T601	0
ROOF/CEILING FIRE RATED	5000: T7.2.1.1	0	T601	0
INTERIOR NON-BEARING FIRE RATED	5000: T7.2.1.1	0	T601	0
EXTERIOR NON-BEARING FIRE RATED	5000: T7.2.1.1	0	T601	0
FIRE BARRIERS		YES	707.1	N/A
FIRE BARRIER FIRE RESISTANCE (IN HOURS)		1 HR BETWEEN BUSINESS AND STORAGE AND INDUSTRIAL (WITH SPRINKLER)	T707.3.10	1 HR FIRE BARRIER BETWEEN BUSINESS AND STORAGE (WITH SPRINKLER)
SMOKE PARTITIONS		NONE	710	NONE
SMOKE BARRIERS	8.7.1.1	AT JAN CLOSET WITH SPRINKLER SYSTEM	709	NONE
VERTICAL SHAFT		N/A	707.3.1	N/A
SPECIAL HAZARD PROTECTION		NONE		
FIRE ALARM SYSTEM	38.3.4.1	PROVIDED	907.2.2	PROVIDED
FIRE DETECTION TYPE	38.3.4.2	NONE		N/A
FIRE EXTINGUISHERS	9.7.4.1	2A:20B:C= 1 PER 3000 SF	906.3 (NFPA 10)	ONE 2A/20B/C PER EVERY 3,000 SF AND EVERY 100 FT (TYPE K AT KITCHENS)
CORRIDOR FIRE RESISTANCE	7.1.3.1	NONE	T1018.1	1 HR ONLY IF MORE THAN 3 OCCUPANT SERVED BY CORRIDOR
INTERIOR WALL AND CEILING FINISH	38.3.3.2.1	CLASS A, B, AND C	T803.9	CLASS A OR B
INTERIOR FLOOR FINISH	38.3.3.3.2	CLASS I OR II	804.4.2	CLASS I OR II
SPRINKLERS	38.3.5	NONE	903.1	NOT REQURIED/ NOT REQUIRED
JANITOR CLOSET	8.7.1.1	AUTOMATIC EXTINGUISHING SYSTEM AND SMOKE PARITIONS		
ALLOWABLE COMBUSTIBLE MATERIAL	5000: 7.2.3.2.13	FOAM INSULATION, THERMAL INSULATION, MILLWORK, DOORS, FRAMES, TRIMS	603.1	FOAM INSULATION, THERMAL INSULATION, MILLWORK, DOORS, FRAMES, TRIMS
MAXIMUM AREA OF EXTERIOR WALL OPENINGS	5000: T7.3.5 (A)	UNLIMITED	T705.8	NO LIMIT
ACTUAL AREA OF EXTERIOR WALL OPENINGS		698.5 SF		698.5 SF

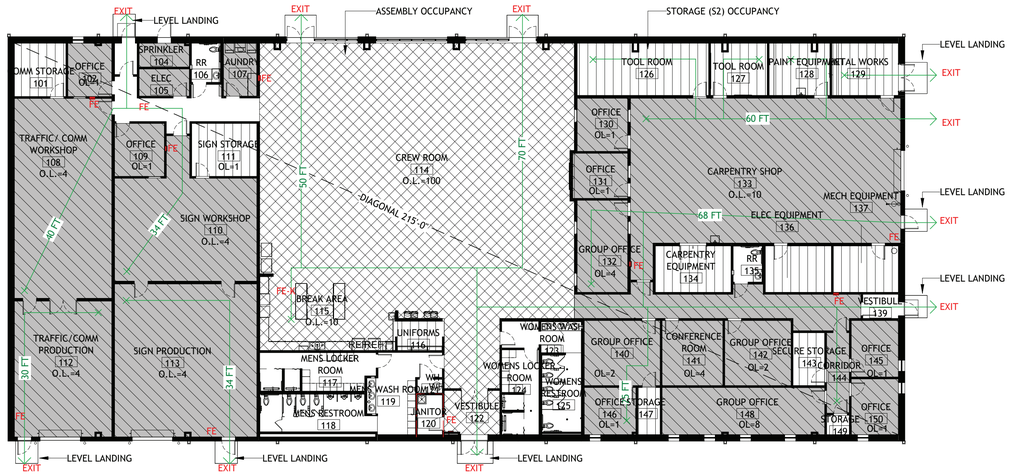
2 CODE COMPLIANCE PLAN- CREW BUILDING

SCALE: 1/16" = 1'-0"

ASSEMBLY OCCUPANCY

STORAGE OCCUPANCY

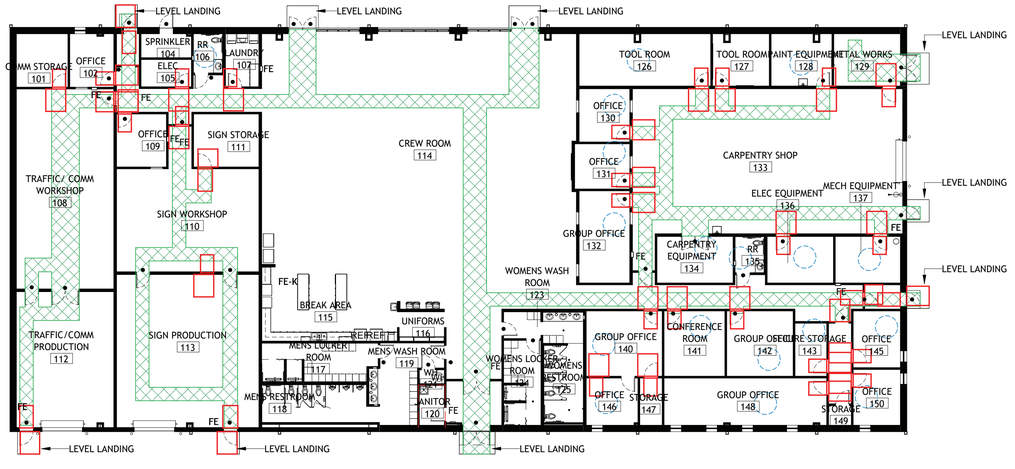
BUSINESS OCCUPANCY



3 ACCESSIBILITY PLAN- CREW BUILDING

SCALE: 1/16" = 1'-0"

- INDICATES DOORS TO HAVE CLOSERS



Brossett Architect

Brossett Architect, LLC - 414 Pujo St., Lake Charles, LA 70601

LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2

4200 BROAD STREET
LAKE CHARLES, LA 70615

CODE COMPLIANCE- CREW BUILDING

SHEET NO. T0.2

ARCH #24009 BA

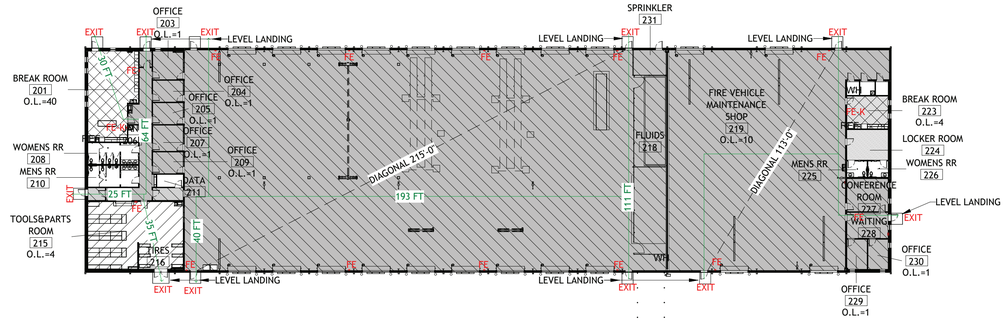
VER.	DATE	DESCRIPTION
0	12/20/2025	BID DOCUMENTS

CODE COMPLIANCE REVIEW-VEHICLE MAINTENANCE				
	NFPA 101, 2015 EDITION		IBC, 2021 EDITION	
	CODE REFERENCE	BUILDING SPECIFIC DATA	CODE REFERENCE	BUILDING SPECIFIC DATA
BUILDING SQUARE FOOTAGE		36,000 SF		36,000 SF
OCCUPANT CLASSIFICATION	6.1.11	MIXED: BUSINESS/STORAGE	304.1	MIXED: BUSINESS/STORAGE
OCCUPANT LOAD	T7.3.1.2	BUSINESS:35, STORAGE: 10	T1004.1.2	BUSINESS:35, STORAGE: 10
OCCUPANCY SEPARATION	T6.1.14.4.1 (B)	N/A	T508.4	N/A
ALLOWABLE BUILDING HEIGHT	5000: T7.4.1	2 STOREIES/ 55 FT	T504.3	55 FEET (2 STORIES)
ACTUAL BUILDING HEIGHT		1 STORY/ 18 FT		18 FEET (1 STORY)
CONSTRUCTION TYPE	5000: 7.2.3.1	TYPE II (000)	T601	TYPE II B
HAZARD OF CONTENTS	6.2.2.3	ORDINARY	-	-
MIN DOOR WIDTH	7.2.1.2.3.2	32 INCHES CLEAR	1010.1.1	32 INCHES MIN CLEAR
EGRESS CAPACITY	7.3.3.1	0.2 INCHES PER PERSON	1005.3.2	0.2 INCHES PER PERSON
FLOOR LEVEL AT DOORS	7.2.1.3.1	NOT MORE THAN 1/2 INCH	1010.1.5	NOT MORE THAN 1/2 INCH
DOOR SWING	7.2.1.4.2 (1)	IN DIRECTION O F TRAVEL IF OVER 500 OCCUPANTS	1010.1.2.1	IN DIRECTION OF TRAVEL FOR MORE THAN 50 OCCUPANTS
DOOR ENCROACHMENT	7.2.1.4.3.1	NOT MORE THAN 1/2 REQ WIDTH DURING SWING/ 7" MAX FULLY OPEN INTO REQ WIDTH	1005.7.1	
PANIC/ EXIT DEVICE		N/A	1010.1.10	NOT REQUIRED
CORRIDOR WIDTH MINIMUM	7.3.4.1 (2)	NOT LESS THAN 36 INCHES	T1020.2	36 INCHES MINIMUM
NUMBER OF EGRESS	38.2.4.3	SINGLE MEANS OF EGREE IF WITHIN COMMON PATH OF TRAVEL DISTANCE	T1006.2.1	36 INCHES MINIMUMNOT LESS THAN ONE
ARRANGEMENT OF EGRESS	7.5.1.3.1	IF 2 EXISTS PROVIDED, THEN PROVIDE MIN AT THIRD THE DIAGONAL OF THE BLDG	1007.1.1	1/3 THE LENGTH OF THE MAXIMUM DIAGONAL LENGTH OF THE BLDG (WITH SPRINKLER)
TRAVEL DISTANCE TO EXIT	38.2.4.3 (2)	50 FT MAX	T1006.3.2 (2)	200 FT
DISCHARGE FROM EXIT	38.2.4.3 (1)/7.7.1	AT EXTERIOR EXIT DISCHARGE WITH ACCESS TO PUBLIC WAY	1028.1	DIRECTLY TO EXTERIOR OF BUILDING
ILLUMINATION OF EXIT	38.2.8	REQUIRED AT MEANS/ PATH OF EGRESS	1008.2	REQUIRED
EMERGENCY LIGHTING	38.2.9.1	REQUIRED	1008.3.1	REQUIRED
MARKING OF EXITS	38.2.10/7.10.1.2.1	REQUIRED		NOT REQUIRED IF ONLY ONE EXIT ACCESS
CONSTRUCTION TYPE	5000: 7.2.3.1	TYPE II 000	T601	TYPE II B
EXTERIOR BEARING WALLS FIRE RATED	5000: T7.2.1.1	0	T601	0
INTERIOR BEARING WALLS FIRE RATED	5000: T7.2.1.1	0	T601	0
COLUMNS FIRE RATED	5000: T7.2.1.1	0	T601	0
BEAMS, GIRDERS, TRUSSES FIRE RATED	5000: T7.2.1.1	0	T601	0
FLOOR/ CEILING FIRE RATED	5000: T7.2.1.1	0	T601	0
ROOF/CEILING FIRE RATED	5000: T7.2.1.1	0	T601	0
INTERIOR NON-BEARING FIRE RATED	5000: T7.2.1.1	0	T601	0
EXTERIOR NON-BEARING FIRE RATED	5000: T7.2.1.1	0	T601	0
FIRE BARRIERS		NONE	707.1	NONE
FIRE BARRIER FIRE RESISTANCE (IN HOURS)		N/A	T707.3.10	N/A
SMOKE PARTITIONS		NONE	710	NONE
SMOKE BARRIERS	8.7.1.1	AT JAN CLOSET WITH SPRINKLER	709	N/A
VERTICAL SHAFT		NONE	707.3.1	NONE
SPECIAL HAZARD PROTECTION		NONE		
FIRE ALARM SYSTEM	38.3.4.1	PROVIDED	907.2.2	PROVIDED
FIRE DETECTION TYPE	38.3.4.2	NONE REQUIRED	907.2.4	NOT REQUIRED
FIRE EXTINGUISHERS	9.7.4.1	REQUIRED: 20A PER 1500SF/ 20B PER EVERY 50 LF	906.3 (NFPA 10)	ONE 2A/20B/C PER EVERY 3,000 SF AND EVERY 100 FT (TYPE K AT KITCHENS)
CORRIDOR FIRE RESISTANCE	7.1.3.1	NOT REQUIRED	T1018.1	0 HOURS WHEN BUILDING IS SPRINKLERED
INTERIOR WALL AND CEILING FINISH	38.3.3.2.1	CLASS C MINIMUM	T803.9	CLASS C
INTERIOR FLOOR FINISH	38.3.3.3.2	CLASS II MINIMUM	804.4.2	CLASS II
SPRINKLERS	38.3.5	PROVIDED	903.1.X	PROVIDED
JANITOR CLOSET	8.7.1.1	SMOKE PARITION		
ALLOWABLE COMBUSTIBLE MATERIAL	5000: 7.2.3.2.13	THERMAL INSULATION/DOOR TRIMS/ MILLWORK/WINDOWS	603.1	THERMAL INSULATION/DOOR TRIMS/ MILLWORK/WINDOWS
MAXIMUM AREA OF EXTERIOR WALL OPENINGS	5000: T7.3.5 (A)	UNLIMITED	T705.8	NO LIMIT
ACTUAL AREA OF EXTERIOR WALL OPENINGS		7,469.5 SF		7,469.5 SF

1 CODE COMPLIANCE- VEHICLE MAINTENANCE

SCALE: 1/32" = 1'-0"

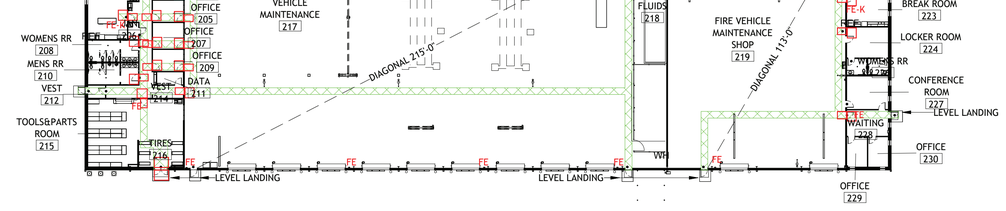
ASSEMBLY OCCUPANCY | STORAGE OCCUPANCY | BUSINESS OCCUPANCY



2 ACCESSIBILITY PLAN- VEHICLE MAINTENANCE

SCALE: 1/32" = 1'-0"

• INDICATES DOORS TO HAVE CLOSERS



DAVID K. BROSSETT
REG. NO 31927
STATE OF LOUISIANA
REGISTERED ARCHITECT
12/19/2025

Brossett Architect

Brossett Architect, LLC - 414 Pujo St., Lake Charles, LA 70601

LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2

4200 BROAD STREET
LAKE CHARLES, LA 70615

CODE COMPLIANCE-VEHICLE MAINTENANCE

SHEET NO. T0.3

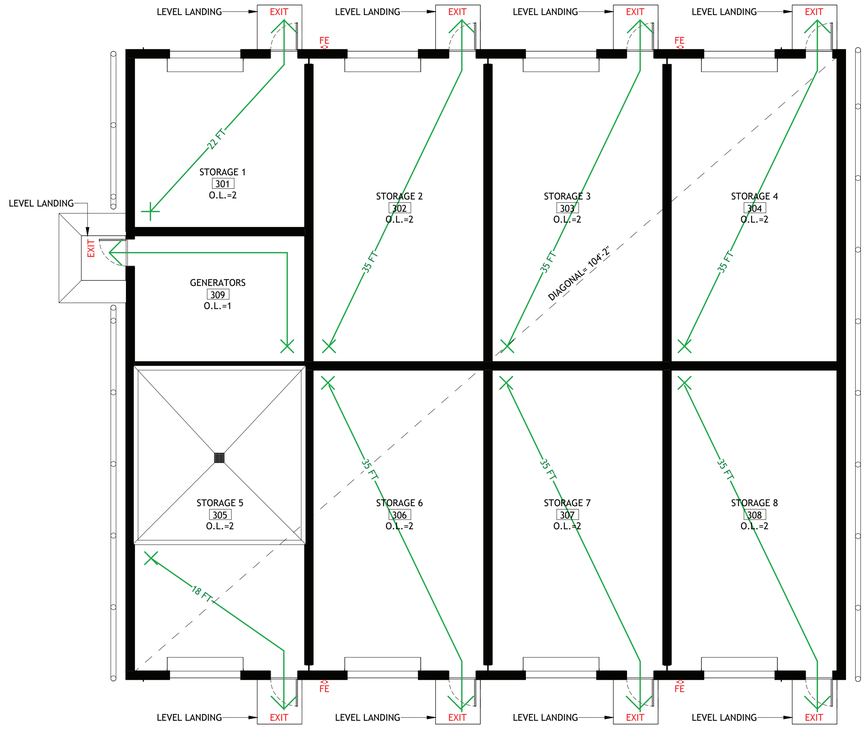
ARCH #24009 BA

VER.	DATE	DESCRIPTION
0	12/20/2025	BID DOCUMENTS

CODE COMPLIANCE REVIEW-STORAGE BLDG				
	NFPA 101, 2015 EDITION		IBC, 2021 EDITION	
	CODE REFERENCE	BUILDING SPECIFIC DATA	CODE REFERENCE	BUILDING SPECIFIC DATA
BUILDING SQUARE FOOTAGE		5600 SF		5600 SF
OCCUPANT CLASSIFICATION	6.1.11	STORAGE	304.1	STORAGE
OCCUPANT LOAD	T7.3.1.2	STORAGE	T1004.1.2	STORAGE
OCCUPANCY SEPARATION	T6.1.14.4.1 (B)	NONE REQUIRED	T508.4	NONE REQUIRED
ALLOWABLE BUILDING HEIGHT	5000: T7.4.1	55FT	T504.3	55FT MAX
ACTUAL BUILDING HEIGHT		11 FT		11 FT
CONSTRUCTION TYPE	5000: 7.2.3.1		T601	TYPE II B
HAZARD OF CONTENTS	6.2.2.3	HIGH HAZARD	-	-
MIN DOOR WIDTH	7.2.1.2.3.2	NOT LESS THAN 32 INCHES IN CLEAR WIDTH	1010.1.1	MIN CLR OPENNING WIDTH OF 32 INCHES
EGRESS CAPACITY	7.3.3.1	0.7" IN STAIRWAYS, 0.4" IN LEVEL COMPONENTS AND RAMPS	1005.3.2	MIN 0.2 INCHES PER OCCUPANT
FLOOR LEVEL AT DOORS	7.2.1.3.1	SHALL NOT VARY BY MORE THAN 1/2"	1010.1.5	SHALL HAVE A 44 INCH LENGTH MEASURED IN DIRECTION OF TRAVEL
DOOR SWING	7.2.1.4.2 (1)	IN THE DIRECTION OF EGRESS TRAVEL	1010.1.2.1	SHALL NOT REUCE THE REQUIRED WIDTH BY MORE THAN
DOOR ENCROACHMENT	7.2.1.4.3.1	SHALL LEAVE NOT LESS THAN ONE-HALF OF THE REQUIRED WIDTH OF AN ISLE ETC	1005.7.1	DOORS FROM "A" OCCUPANCY WITH OVER 50 OCCUPANTS
PANIC/ EXIT DEVICE			1010.1.10	
CORRIDOR WIDTH MINIMUM	7.3.4.1 (2)	NOT LESS THAN 36 IN	T1020.2	N/A (SPRINKLERED)
NUMBER OF EGRESS	38.2.4.3	ONE IF OL IS LESS THAN OR EQUAL TO 100 PERSONS	T1006.2.1	1 EXITS OR EXIT ACCESS DOORWAYS WITH TRAVEL LESS THAN 100 FT
ARRANGEMENT OF EGRESS	7.5.1.3.1	REMOTELY LOCATED TO MIN POSSIBLE IN CASE ONE EXIT IS BLOCKED	1007.1.1	EQUAL OR LESS THAN 1/2 OF THE MAX OVERALL DIAGONAL
TRAVEL DISTANCE TO EXIT	38.2.4.3 (2)	SHALL NOT EXCEED 100 FT	T1006.3.2 (2)	SHALL NOT EXCEED 100 FT
DISCHARGE FROM EXIT	38.2.4.3 (1)/7.7.1	DIRECTLY TO THE OUTSIDE AT LEVEL OF EXIT DISCHARGE OF BUILDING	1028.1	SHALL DISCHARGE DIRECTLY TO TEH EXTERIOR OF THE BUILDING
ILLUMINATION OF EXIT	38.2.8	REQUIRED FOR DESIGNATED STAIRS, AISLES, OCRRIDORS, RAMP, ESCALATORS,	1008.2	SHALL NOT BE LESS THAN 1 FOOT CANDLE
EMERGENCY LIGHTING	38.2.9.1	REQUIRED	1008.3.1	SHALL ILLUMINATE AISLE, CORRIDORS, AND EXITS
MARKING OF EXITS	38.2.10/7.10.1.2.1	SHALL BE MARKED BY APPROVED SIGN THAT IS READILY VISIBLE		
CONSTRUCTION TYPE	5000: 7.2.3.1	TYPE II (000)	T601	TYPE IIB
EXTERIOR BEARING WALLS FIRE RATED	5000: T7.2.1.1	0	T601	0
INTERIOR BEARING WALLS FIRE RATED	5000: T7.2.1.1	0	T601	0
COLUMNS FIRE RATED	5000: T7.2.1.1	0	T601	0
BEAMS, GIRDERS, TRUSSES FIRE RATED	5000: T7.2.1.1	0	T601	0
FLOOR/ CEILING FIRE RATED	5000: T7.2.1.1	0	T601	0
ROOF/CEILING FIRE RATED	5000: T7.2.1.1	0	T601	0
INTERIOR NON-BEARING FIRE RATED	5000: T7.2.1.1	0	T601	0
EXTERIOR NON-BEARING FIRE RATED	5000: T7.2.1.1	0	T601	0
FIRE BARRIERS		YES	707.1	N/A
FIRE BARRIER FIRE RESISTANCE (IN HOURS)		NONE REQUIRED	T707.3.10	NONE REQUIRED
SMOKE PARTITIONS		NONE	710	NONE
SMOKE BARRIERS		N/A	709	NONE
VERTICAL SHAFT		N/A	707.3.1	N/A
SPECIAL HAZARD PROTECTION		NONE		
FIRE ALARM SYSTEM	38.3.4.1	NONE	907.2.2	NONE
FIRE DETECTION TYPE	38.3.4.2	NONE		N/A
FIRE EXTINGUISHERS	9.7.4.1	2A:20B:C= 1 PER 3000 SF	906.3 (NFPA 10)	ONE 2A/20B/C PER EVERY 3,000 SF AND EVERY 100 FT (TYPE K AT KITCHENS
CORRIDOR FIRE RESISTANCE	7.1.3.1	NONE	T1018.1	1 HR ONLY IF MORE THAN 3 OCCUPANT SERVED BY CORRIDOR
INTERIOR WALL AND CEILING FINISH	38.3.3.2.1	CLASS A, B, AND C	T803.9	CLASS A OR B
INTERIOR FLOOR FINISH	38.3.3.3.2	CLASS I OR II	804.4.2	CLASS I OR II
SPRINKLERS	38.3.5	NONE	903.1	NOT REQURIED/ NOT REQUIRED
JANITOR CLOSET	8.7.1.1	N/A		
ALLOWABLE COMBUSTIBLE MATERIAL	5000: 7.2.3.2.13	FOAM INSULATION, THERMAL INSULATION, MILLWORK, DOORS, FRAMES, TRIMS	603.1	FOAM INSULATION, THERMAL INSULATION, MILLWORK, DOORS, FRAMES,...
MAXIMUM AREA OF EXTERIOR WALL OPENINGS	5000: T7.3.5 (A)	UNLIMITED	T705.8	NO LIMIT
ACTUAL AREA OF EXTERIOR WALL OPENINGS		701 SF		701 SF

1 CODE COMPLIANCE- STORAGE BUILDING

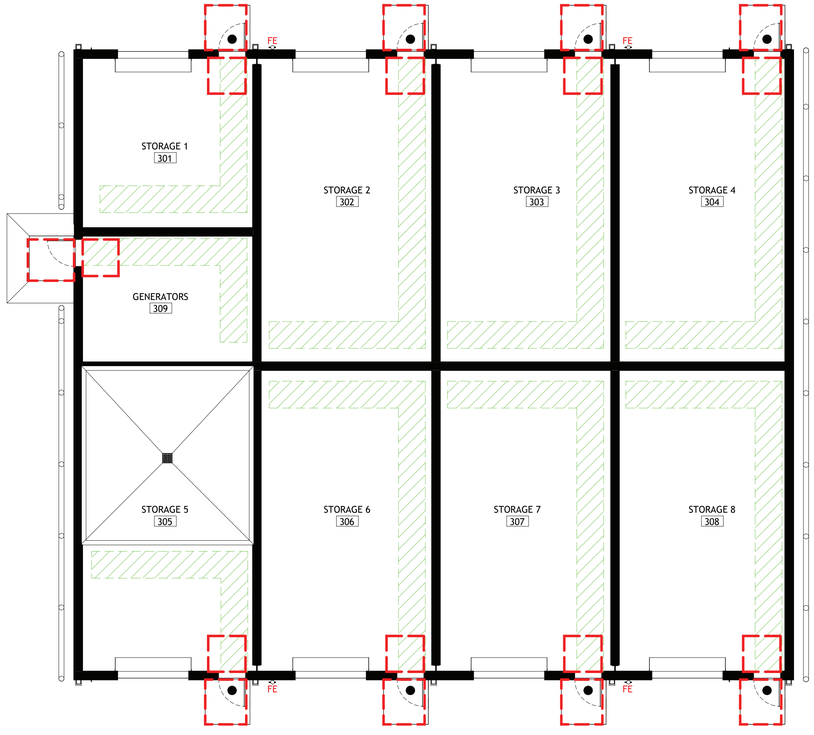
SCALE: 1/8" = 1'-0"



2 ACCESSIBILITY PLAN- STORAGE BUILDING

SCALE: 1/8" = 1'-0"

● INDICATES DOORS THAT HAVE CLOSERS



Brossett Architect

Brossett Architect, LLC - 414 Pujo St., Lake Charles, LA 70601

LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2

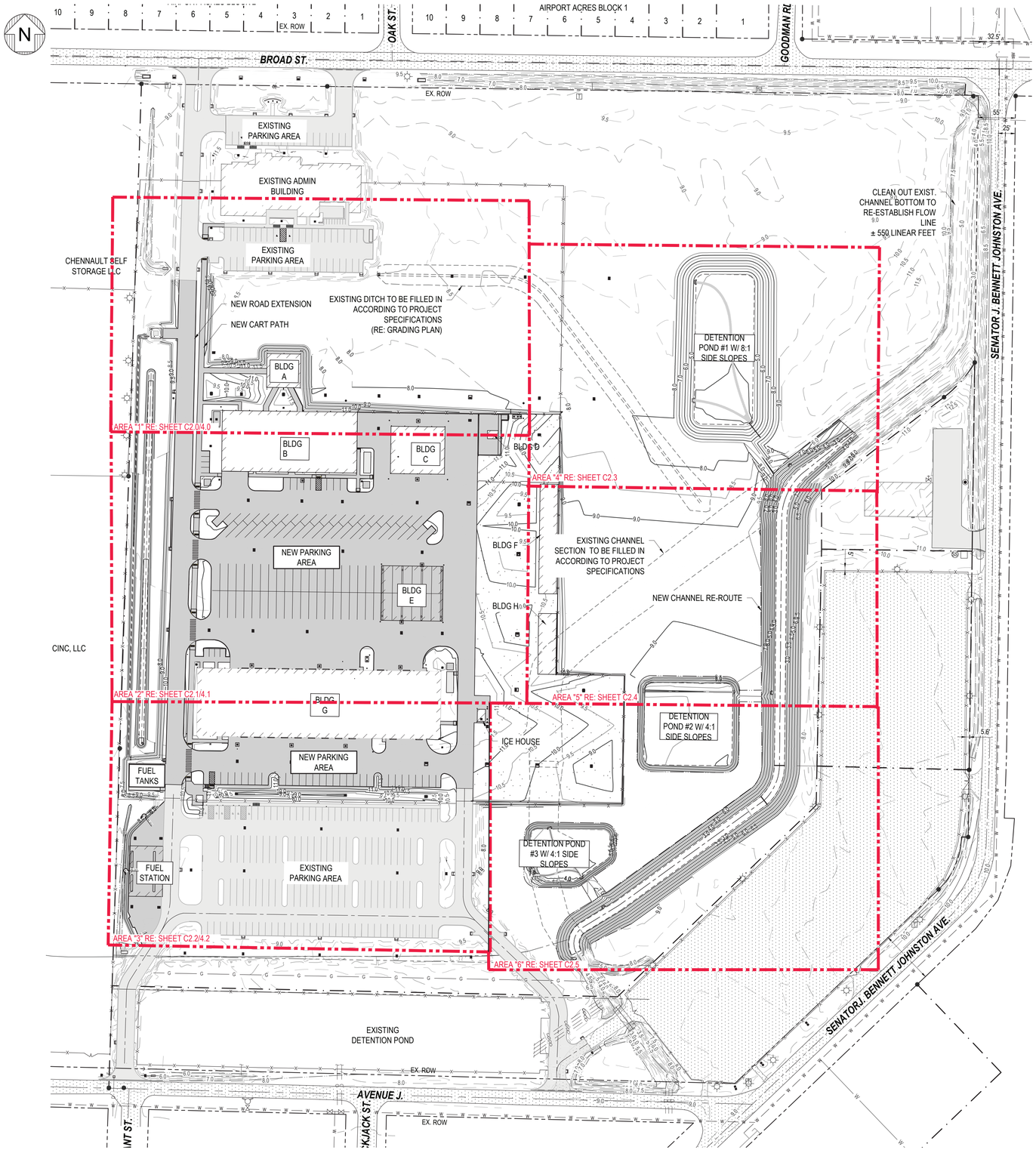
4200 BROAD STREET
LAKE CHARLES, LA 70615

CODE COMPLIANCE- STORAGE BUILDING

SHEET NO. T0.4

ARCH #24009 BA

VER.	DATE	DESCRIPTION
0	12/20/2025	BID DOCUMENTS



CIVIL SITE PLAN

SCALE: 1" = 80'

GENERAL CIVIL NOTES:

1. **ROOTBALL REMOVAL/REPAIR:** CARE SHOULD BE TAKEN TO FULLY REMOVE THE ENTIRETY OF THE EXISTING TREE ROOT SYSTEM AND STUMP AS BEST AS POSSIBLE DURING SITE PREP. THE RESULTING VOID SHOULD BE EXCAVATED TO FIRM SUITABLE SOIL, REMOVING ALL DELETERIOUS MATERIAL. PROPERLY BACKFILL WITH STRUCTURAL CLAY IN 6" COMPACTED LIFTS OR FLOWABLE FILL. GEOTECHNICAL ENGINEER OF RECORD SHOULD OBSERVE THE EXCAVATION PRIOR TO BACKFILL.
2. **DUST MANAGEMENT**: CONTRACTOR TO MANAGE AND CONTROL ANY DUST THAT MAY INTERFERE WITH AIRPORT OPERATIONS. CONTRACTOR TO COORDINATE ANY DUST PRODUCING PROCESS WITH WITH AIRPORT OFFICIALS.
3. **DRAINAGE:** PIPE MEASUREMENT IS FROM INSIDE WALL OF CATCH BASIN TO INSIDE WALL OF CATCH BASIN. PIPES ARE SHOWN VIA CENTERLINE CONNECTIONS, BUT SHOULD BE CONSTRUCTED ON THE CENTER OF THE FLAT FACE OF THE CATCH BASIN. MAX ONE 12" DIA. AND HIGHER DRAINAGE OPENING ON EACH CATCH BASIN FACE. CONTRACTOR TO VERIFY DRAINAGE LENGTHS AND INVERTS PRIOR TO INSTALLATION.

GENERAL CONCRETE PAVING NOTES:

1. ALL CONCRETE SHALL CONFORM TO ASTM C94, READY MIX CONCRETE HAVING A MINIMUM DESIGN COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS WITH A MAXIMUM AGGREGATE SIZE OF 1" AND A MAXIMUM SLUMP OF 5". PORTLAND CEMENT SHALL BE TYPE "2". CONVEYANCE AND PLACEMENT OF ALL CONCRETE SHALL BE IN ACCORDANCE WITH ACI 315 AND 318, LATEST EDITIONS.
2. CONSTRUCTION SHALL BE IN ACCORDANCE WITH ACI 318, LATEST EDITION.
3. ALL CONCRETE NOT PLACED DIRECTLY AGAINST UNDISTURBED SOIL SHALL BE FORMED. ALL FORM MATERIALS SHALL BE OF GOOD QUALITY, ERECTED TO PROPER ELEVATIONS, AND ADEQUATELY BRACED. ALL FORMS SHALL REMAIN IN PLACE A MINIMUM OF 24 HOURS AFTER CONCRETE HAS REACHED "FINAL" SET.
4. ALL CONCRETE SHALL BE PROTECTED AND MAINTAINED IN A MOISTENED CONDITION FOR A MINIMUM OF SEVEN (7) DAYS OR TREATED WITH A CURING COMPOUND FREE FROM OILS AND PARAFFIN BASED MATERIALS.
5. ALL REINFORCEMENT STEEL SHALL BE INTERMEDIATE GRADE, NEW BILLET STEEL, DEFORMED BAR AND CONFORM TO ASTM A615, GRADE 60.
6. WELDED WIRE FABRIC REINFORCEMENT SHALL CONFORM TO THE REQUIREMENTS OF ASTM-185. LAP 12" MINIMUM.
7. ALL HORIZONTAL REINFORCING BARS SHALL BE CONTINUOUS AROUND CORNERS AND THROUGH INTERSECTIONS. ALL SPLICES SHALL HAVE A MINIMUM LAP OF 40 BAR DIAMETERS. ALL TERMINATING REBAR RUNS SHALL HAVE A FULLY DEVELOPED STANDARD HOOK AT THE TERMINATING END. BARS AT THICKENED EDGES AND JOINTS SHALL BE SUPPORTED BY CHAIRS SPACED NO GREATER THAN 4'-0" C/C.
8. ALL DETAILING, FABRICATION, AND PLACEMENT OF REINFORCEMENT STEEL SHALL CONFORM TO THE MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES, ACI 315, LATEST EDITION.
9. ALL REINFORCEMENT STEEL SHALL BE TIED AT ADEQUATE INTERVALS WITH 16 GAUGE DOUBLE ANNEALED TIE WIRE.
10. ALL REINFORCEMENT BAR SPLICES SHALL BE BASIC CLASS "B" TENSION LAP SPLICES.
11. ALL PORTLAND CEMENT GROUT SHALL BE FIVE STAR PRODUCTS (TM) "FIVE STAR GROUT" (OR APPROVED EQUAL) PORTLAND CEMENT BASED GENERAL PURPOSE GROUT.
12. PRIOR TO POURING NEW CONCRETE AGAINST EXISTING CONCRETE, EXISTING SHALL BE THOROUGHLY CLEANED AND ROUGHENED.
13. EXTERIOR CONCRETE PAVEMENT TO RECEIVE BROOM FINISH PER SPECIFICATIONS. UNLESS NOTED OTHERWISE.
14. ALL CONCRETE PAVEMENT JOINTS NOT SHOWN OR LABELED SHALL BE CONTROL JOINTS. DOWELS SHALL BE SMOOTH BAR TYPE IN BOTH CONTRACTION AND EXPANSION JOINTS UNLESS NOTED OTHERWISE. ONE SIDE OF THE DOWELS SHALL BE EITHER GREASED OR HAVE PLASTIC CAPS INSTALLED OVER THE ENDS OF THE BARS. SECURE DOWELS TO MAINTAIN LEVEL DURING CONCRETE POUR.
15. DESIRED JOINT SPACING OF 10', MAXIMUM JOINT SPACING OF 6" THICK PAVING TO BE 15', 8" THICK TO BE 20, AND 9" THICK TO BE 20'.

NOTE:

REFER TO MEP DRAWINGS FOR EMERGENCY SHOWER DRAIN LOCATIONS. ROUTE TO STORM DRAIN SYSTEM AND TIE INTO DOWNSPOUT HEADER USING APPROPRIATE FITTINGS.

CONSTRUCTION NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR NOTIFYING LA ONE CALL TO IDENTIFY ALL UTILITIES PRIOR TO BEGINNING ANY WORK AT SITE.
2. NOTIFY LADTOD PRIOR TO BEGINNING ANY WORK WITHIN HIGHWAY RIGHT OF WAY.
3. CONTRACTOR SHALL COMPLY WITH LADOTD LANE CLOSURE REQUIREMENTS AND SHALL MAINTAIN ANY AND ALL SAFETY TRAFFIC LANE CLOSERS TO BE AUTHORIZED BY LADOTD DISTRICT 07 TRAFFIC ENGINEER PROTOCOLS AND PERAMETERS AT ALL TIMES.
4. ALL CONSTRUCTION MATERIALS, EQUIPMENT, AND METHODS TO ADHERE TO THE CURRENT LA DOTD STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES.
5. CONTRACTOR SHALL REPLACE ANY FENCE, GATES, POSTS, WIRE, EQUIPMENT, UTILITIES, ETC. DAMAGED DURING CONSTRUCTION.
6. AFTER STRIPPING AND REGRADING EXISTING SITE, CONTRACTOR SHALL PROOF ROLL SUBGRADE WITH A LOADED DUMP TRUCK. SEE CENTERLINE PROFILE TO DETERMINE SUBGRADE ELEVATIONS REQUIRED. THE OWNER'S ENGINEERING REPRESENTATIVE SHALL BE NOTIFIED AND BE ONSITE FOR PROOF ROLL TEST(S). CONTRACTOR SHALL REMOVE ALL SOFT SPOTS AND REPLACE WITH STRUCTURAL FILL MATCHING PROJECT SPECIFICATIONS.
7. CONTRACTOR SHALL COORDINATE ALL STOCKPILE LOCATIONS WITH OWNER.
8. CONTRACTOR SHALL MAINTAIN A NEAT AND CLEAN CONSTRUCTION SITE THAT IS FREE OF DEBRIS.
9. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH EPA STORMWATER RUNOFF RULES USING "BEST MANAGEMENT PRACTICES" AND/OR TEMPORARY EROSION CONTROL MEASURES DURING CONSTRUCTION. MEASURES TO INCLUDE HAY BALE PLACEMENT AT DETENTION POND OUTLET AND SILT FENCING AROUND PERIMETER FOR EROSION CONTROL. RE: EROSION CONTROL PLAN AND EROSION CONTROL STANDARD DETAILS.
10. TYPICAL EROSION CONTROLS CAN BE, BUT ARE NOT LIMITED TO, MULCHING, GRASS, STOCKPILE COVERS, ETC. TYPICAL SEDIMENT CONTROLS SAN BE, BUT ARE NOT LIMITED TO, SILT FENCING, INLET PROTECTION, SEDIMENT TRAPS, ETC. EROSION CONTROL PLAN AND EROSION CONTROL STANDARD DETAILS.
11. CONTRACTOR SHALL INSPECT AND REPAIR EROSION AND SEDIMENT CONTROLS IMMEDIATELY AFTER MAJOR RAIN EVENTS.
12. CONTRACTOR SHALL MAINTAIN SILT FENCING SURROUNDING STOCK PILES THROUGHOUT DURATION OF WORK.
13. CONTRACTOR SHALL PROVIDE FINAL GRADING AND DRESSING FOR SMOOTH TRANSITIONING BETWEEN TOPOGRAPHICAL FEATURES, EXISTING AND NEW DRAINAGE STRUCTURES, ETC. FINAL GRADING SHALL PROVIDE FOR PROPER DRAINAGE OF SITE.

LEGEND

- EXISTING PROPERTY LINE
- EXISTING OVERHEAD POWER
- EXISTING DRAINAGE PIPE
- EXISTING DITCH CENTERLINE
- EXISTING DITCH TOP
- EXISTING DITCH TOE
- EXISTING UNDERGROUND GAS PIPELINE
- EXISTING FENCE
- EXISTING CONCRETE PAVING
- EXISTING ASPHALT PAVING
- EXISTING SANITARY SEWER CLEANOUT
- EXISTING SANITARY SEWER MANHOLE
- EXISTING POWER POLE
- NEW DITCH CENTERLINE/ POND FLOW LINE
- NEW DITCH/POND TOP
- NEW DITCH/POND TOE
- NEW FENCE
- NEW CONCRETE PAVING
- NEW GRAVEL LAY DOWN

CIVIL SHEET INDEX:

BENCHMARK NOTE:

A BENCHMARK HAS NOT BEEN SET FOR THIS PROJECT WITH THE PROVIDED SURVEY FROM D.W. JESSEN AND ASSOCIATES. THE WEST SIDE OF THE TOP OF CONCRETE HEADWALL AT THE SOUTHWEST CORNER OF BROAD ST. AND J. BENNETT JOHNSTON AT ELEVATION 10.52' (1953 BENCHMARK) MAY BE USED AS REFERENCE ONCE CONFIRMED WITH SURVEYOR.

THE CONTRACTOR IS RESPONSIBLE FOR HAVING PROJECT BENCHMARKS SET FOR CONSTRUCTION. COORDINATION WITH ORIGINAL SURVEYOR IS ENCOURAGED.

BOUNDARY AND ELEVATIONS NOTE:

BOUNDARY SHOWN IS BASED ON A BOUNDARY SURVEY BY D.W. JESSEN AND ASSOCIATES, LLC. DATED AUGUST 8, 2025.

ELEVATIONS SHOWN AS BASED ON A TOPOGRAPHIC SURVEY BY D.W. JESSEN AND ASSOCIATES, LLC. DATED SEPTEMBER 23, 2024

CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND MUST NOTIFY LOUISIANA 811 BY CALLING **811** OR **1-800-272-3020** OR BY VISITING **LOUISIANA811.COM** AT LEAST TWO BUSINESS DAYS PRIOR TO COMMENCEMENT OF ANY WORK.

Louisiana 811
LOUISIANA811.COM

FOR CONSTRUCTION

peridian ENGINEERING SERVICES
700 PUJO ST. SUITE C
LAKE CHARLES, LA 70601
PES PROJECT NO. 24044
PHONE: 337.602.8097 WWW.PESERVICES.US

STATE OF LOUISIANA
NATHAN E. JORDAN
License. No. 33702
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
12/20/2025

Brossett Architect
Brossett Architect, LLC · 414 Pujo St., Lake Charles, LA 70601

LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2

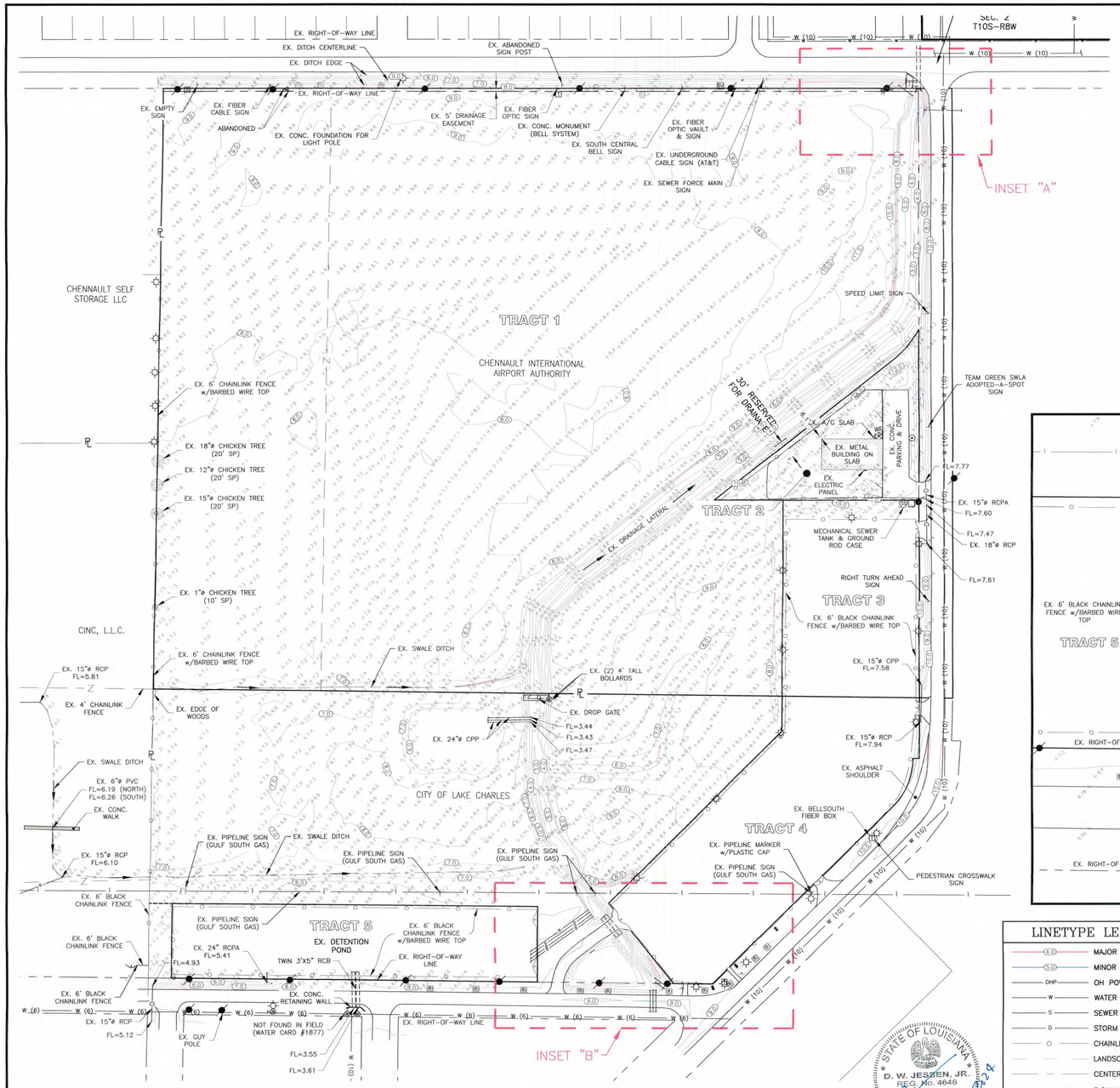
4200 BROAD STREET
LAKE CHARLES, LA 70615

CIVIL SITE PLAN AND NOTES

SHEET NO. C0.0

ARCH # 2409PBA

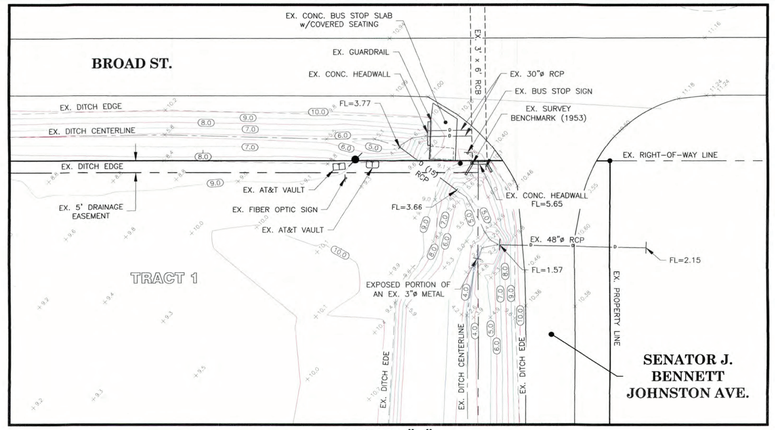
VER.	DATE	DESCRIPTION
0	12/02/2025	FOR PERMITTING



TOPOGRAPHIC SURVEY

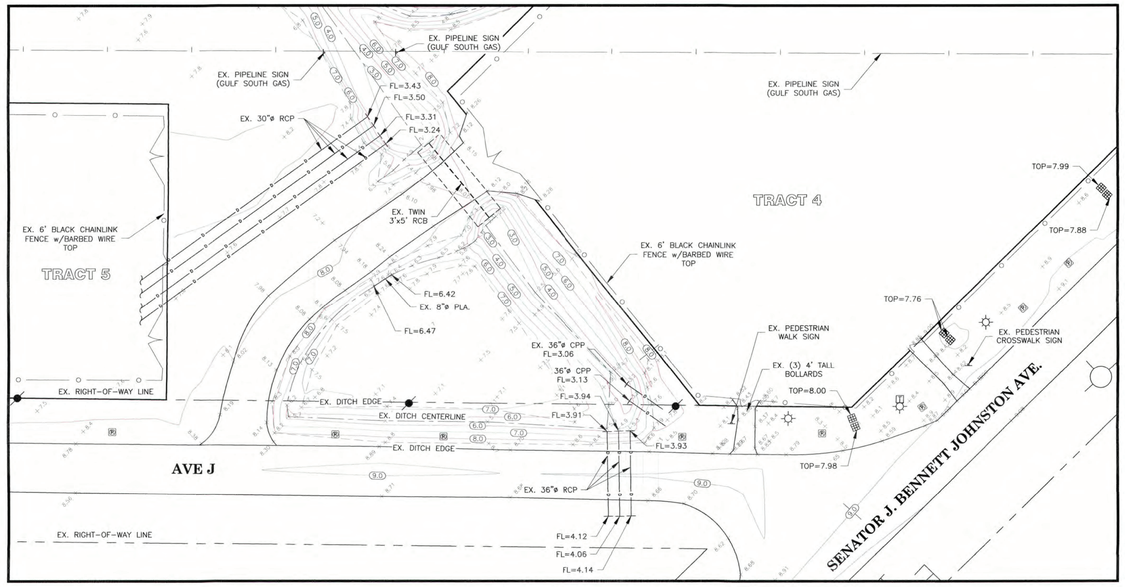
SCALE: 1" = 100'

FOR REFERENCE ONLY



INSET "A"

SCALE: 1" = 30'



INSET "B"

SCALE: 1" = 30'

LINETYPE LEGEND

4.0	MAJOR CONTOUR LINE
5.0	MINOR CONTOUR LINE
OHP	OH POWER
W	WATER LINE
S	SEWER LINE
D	STORM DRAIN
	CHAINLINK FENCE
	LANDSCAPING
	CENTER LINE
	R/W LINE
	PROPERTY LINE
	EASEMENT LINE
I	PIPE LINE

STANDARD TOPOGRAPHIC SYMBOLS

POWER POLE	SEWER MANHOLE
GUY ANCHOR	GRILLED DROP INLET
ELECTRICAL BOX	TELEPHONE BOX
LIGHT POLE	GROUND-MOUNTED SIGN
WATER METER	PROPERTY CORNER
WATER VALVE	TREE STUMP
FIRE HYDRANT	TREE (SP=CANOPY SPREAD)
WATER FAUCET	NO PARKING SIGN

GENERAL NOTES

1. BEARINGS SHOWN HEREON ARE BASED UPON LOUISIANA COORDINATE SYSTEM OF 1983 SOUTH ZONE NAD83.
2. THE VERTICAL DATUM IS NAVD88 (GEOID 12B).
3. ELEVATIONS SHALL BE PROVIDED IN AN AUTOCAD FILE.
4. THE SURVEYOR HAS MADE NO INVESTIGATION OR INDEPENDENT SEARCH FOR EASEMENTS OR RIGHT-OF-WAY OR RECORD THAT A CURRENT TITLE SEARCH MAY DISCLOSE WHICH MAY AFFECT THE TRACT SURVEYED.
5. TOPOGRAPHIC SYMBOLS SHOWN HEREON ARE DRAWN LARGER THAN SCALE FOR CLARITY.
6. THE UTILITIES SHOWN HEREON ARE APPROXIMATE AND BASED UPON BEST AVAILABLE INFORMATION.

LIMITS OF EXISTING ASPHALT ROAD/DRIVE (UON)

STATE OF LOUISIANA
D. W. JESSEN, JR.
REG. No. 4646
REGISTERED PROFESSIONAL
LAND SURVEYOR
2024

No.	DATE	REVISION DESCRIPTION	BY

DRAWN	M. STEEN
APPROVED	D. W. JESSEN, JR.
DATE	09-23-2024
ACAD FILE	P-2023-2924 (TOPO SURVEY-NEW PUBLIC WORKS FACILITIES)
REFERENCE	N/A
FIELD BOOK	2429 & 2430

D. W. Jessen & Associates, LLC
Civil and Consulting Engineers Lake Charles, Louisiana
440 Kirby Street Lake Charles, LA 70601
Phone: (337)433-0561 Fax: (337)433-5842
D. W. Jessen, Jr., P.E., P.L.S. Cole R. Thompson, P.E.

PROJECT No. P-2023-2924

CITY OF LAKE CHARLES

TOPOGRAPHIC SURVEY FOR NEW PUBLIC WORKS FACILITIES ON BROAD ST. NEAR CHENNAULT

TOPOGRAPHIC SURVEY

SHEET NUMBER 1

Brossett Architect

Brossett Architect, LLC · 414 Pujo St., Lake Charles, LA 70601

LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2
4200 BROAD STREET
LAKE CHARLES, LA 70615
TOPOGRAPHIC SURVEY (FOR REFERENCE ONLY)

SHEET NO. C0.1

ARCH # 2400984

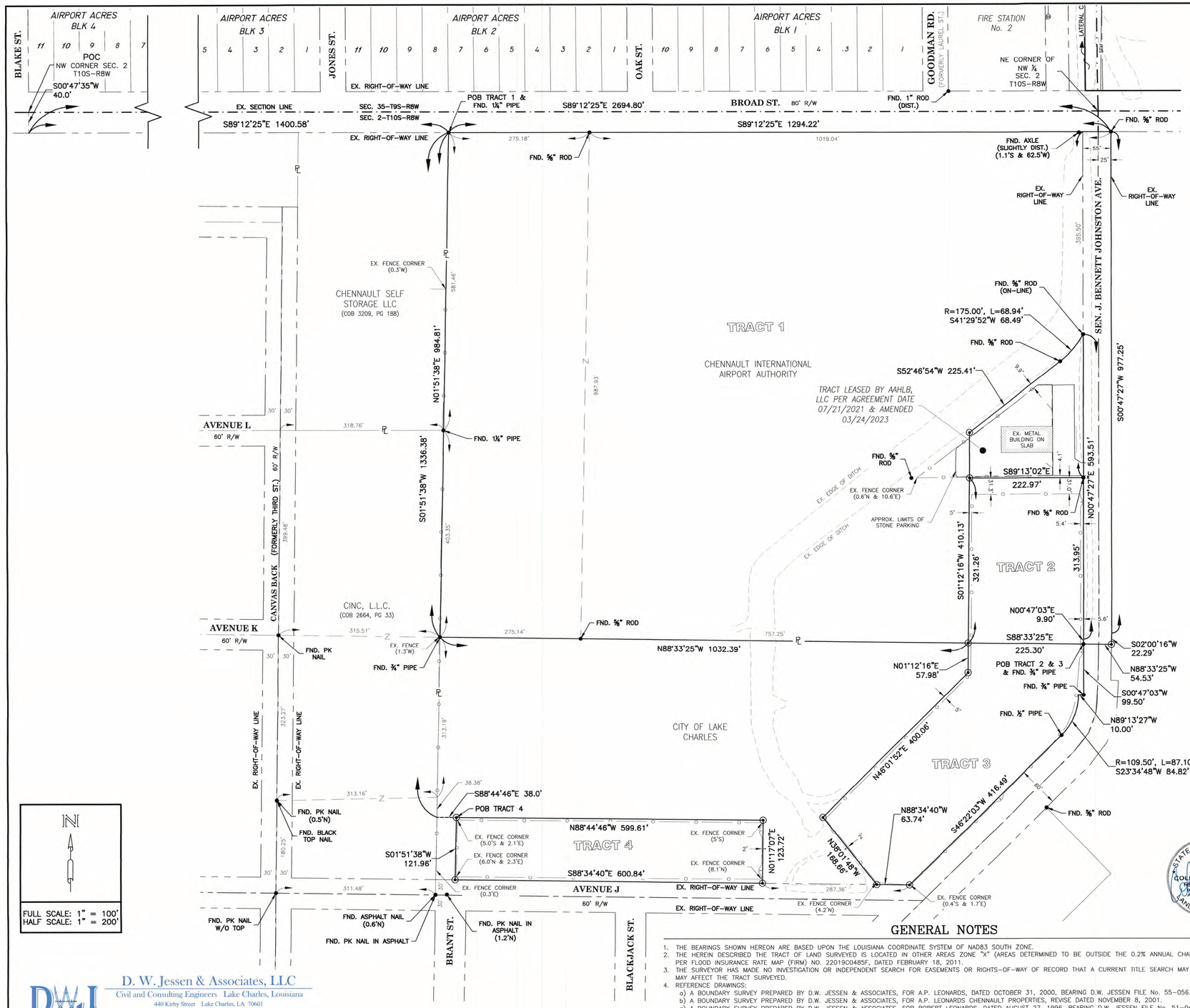
VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS

CITY OF LAKE CHARLES

CITY OF LAKE CHARLES/CHENNAULT TRANSFER EXHIBIT

SECTION 2–T10S–R8W

AUGUST 8, 2025



FULL SCALE: 1" = 100'
HALF SCALE: 1" = 200'

GENERAL NOTES

1. THE BEARINGS SHOWN HEREON ARE BASED UPON THE LOUISIANA COORDINATE SYSTEM OF NAD83 SOUTH ZONE.
2. THE HEREIN DESCRIBED THE TRACT OF LAND SURVEYED IS LOCATED IN OTHER AREAS ZONE "X" (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD), ALL PER FLOOD INSURANCE RATE MAP (FIRM) NO. 22019C0485F, DATED FEBRUARY 18, 2011.
3. THE SURVEYOR HAS MADE NO INVESTIGATION OR INDEPENDENT SEARCH FOR EASEMENTS OR RIGHTS–OF–WAY OF RECORD THAT A CURRENT TITLE SEARCH MAY DISCLOSE WHICH MAY AFFECT THE TRACT SURVEYED.
4. REFERENCE DRAWINGS:
   a) A BOUNDARY SURVEY PREPARED BY D.W. JESSEN & ASSOCIATES, FOR A.P. LEONARDS, DATED OCTOBER 31, 2000, BEARING D.W. JESSEN FILE No. 55–056.
   b) A BOUNDARY SURVEY PREPARED BY D.W. JESSEN & ASSOCIATES, FOR A.P. LEONARDS CHENNAULT PROPERTIES, REVISE DATED NOVEMBER 8, 2001.
   c) A BOUNDARY SURVEY PREPARED BY D.W. JESSEN & ASSOCIATES, FOR ROBERT LEONARDS, DATED AUGUST 27, 1996, BEARING D.W. JESSEN FILE No. 51–047.
   d) A BOUNDARY SURVEY PREPARED BY PELICAN LAND SURVEYING, L.L.C., FOR CHENNAULT INTERNATIONAL AIRPORT AUTHORITY, DATED OCTOBER 4, 2019.
   e) A BOUNDARY SURVEY PREPARED BY D.W. JESSEN & ASSOCIATES, FOR THE CITY OF LAKE CHARLES, DATED JUNE 9, 1976, BEARING D.W. JESSEN FILE No. 33–061.
5. POC=POINT OF COMMENCEMENT; POB=POINT OF BEGINNING.
6. CoLC=CITY OF LAKE CHARLES; CIAA=CHENNAULT INTERNATIONAL AIRPORT AUTHORITY
7. ⊙ INDICATES SET ¾" ROD, UNLESS OTHERWISE NOTED.
8. THERE MAY BE STRUCTURES AND IMPROVEMENTS LOCATED ON THESE TRACTS WHICH ARE NOT SHOWN HEREON.
9. ——— O ——— EXISTING 6' TALL CHAIN LINK FENCE WITH OR WITHOUT BARBED WIRE TOP.

D. W. Jessen & Associates, LLC
Civil and Consulting Engineers Lake Charles, Louisiana
440 Kirby Street Lake Charles, LA 70601
Phone: (337)433-0561 Fax: (337)433-5842
D. W. Jessen, Jr., P.E., P.L.S. Cole R. Thompson, P.E., P.L.S.

FILE: LC–2023–1346 (BOUNDARY SURVEY – CoLC & CIAA PROPERTY SWAP)
DRAWING: LC–2023–1346 (BOUNDARY SURVEY – CoLC & CIAA PROPERTY SWAP).DWG
DRAWN BY: Q. BULT

FOR REFERENCE ONLY

TRACT 1 (CIAA TO CoLC)

A BOUNDARY SURVEY OF A TRACT OF LAND LOCATED IN THE NORTHWEST QUARTER (NW ¼) OF SECTION 2, TOWNSHIP 10 SOUTH, RANGE 8 WEST, CALCASIEU PARISH, LOUISIANA, SAID TRACT OF LAND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE NORTHWEST CORNER OF SECTION 2, TOWNSHIP 10 SOUTH, RANGE 8 WEST; THENCE S00°47'35"W 40.0 FEET TO THE SOUTH RIGHT–OF–WAY LINE OF BROAD STREET; THENCE S89°12'25"E, ALONG SAID SOUTH RIGHT–OF–WAY LINE, 1400.58 FEET TO A FOUND 1¼" PIPE AND POINT OF BEGINNING; THENCE S89°12'25"E, ALONG SAID SOUTH RIGHT–OF–WAY LINE, 1294.22 FEET TO A FOUND ⅝" ROD AT THE INTERSECTION OF THE SOUTH RIGHT–OF–WAY LINE OF BROAD STREET AND EAST RIGHT–OF WAY LINE OF SENATOR J. BENNETT JOHNSON AVENUE; THENCE S00°47'27"W, ALONG SAID EAST RIGHT–OF–WAY LINE, 977.25 FEET; THENCE S02°00'16"W, ALONG SAID EAST RIGHT–OF–WAY LINE, 22.29 FEET; THENCE N88°33'25"W 54.53 FEET TO A FOUND ¾" PIPE ON THE WEST RIGHT–OF–WAY LINE OF SENATOR J. BENNETT JOHNSON AVENUE; THENCE N00°47'03"E, ALONG SAID WEST RIGHT–OF–WAY LINE, 9.90 FEET; THENCE N00°47'27"E, ALONG SAID WEST RIGHT–OF–WAY LINE, 593.51 FEET TO A FOUND ⅝" ROD AND ALSO BEING A NON–TANGENT POINT ON A CURVE TO THE RIGHT; SAID CURVE HAVING A RADIUS OF 175.00', A CHORD WHICH BEARS S41°29'52"W AND A CHORD LENGTH OF 68.49 FEET, THENCE ALONG SAID CURVE A DISTANCE OF 68.94 FEET TO A FOUND ⅝" ROD; THENCE S52°46'54"W 225.41 FEET; THENCE S01°12'16"W 410.13 FEET; THENCE N88°33'25"W 1032.39 FEET TO A FOUND ¾" PIPE, SAID PIPE ALSO LYING ON THE EAST LINE OF A PARCEL OF LAND ACQUIRED BY CINC, L.L.C., AS PER CONVEYANCE BOOK 2664, PAGE 33, RECORDS OF CALCASIEU PARISH, LOUISIANA; THENCE N01°51'38"E, ALONG SAID EAST PARCEL LINE AND PROJECTION THEREOF, 984.81 FEET TO THE SOUTH RIGHT–OF–WAY LINE OF BROAD STREET AND POINT OF BEGINNING. CONTAINING 27.12 ACRES, MORE OR LESS. BEING SUBJECT TO THE ROAD RIGHT–OF–WAY OF SENATOR J. BENNETT JOHNSON AVENUE.

TRACT 2 (CIAA TO CoLC)

A BOUNDARY SURVEY OF A TRACT OF LAND LOCATED IN THE NORTHWEST QUARTER (NW ¼) OF SECTION 2, TOWNSHIP 10 SOUTH, RANGE 8 WEST, CALCASIEU PARISH, LOUISIANA, SAID TRACT OF LAND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE NORTHWEST CORNER OF SECTION 2, TOWNSHIP 10 SOUTH, RANGE 8 WEST; THENCE S00°47'35"W 40.0 FEET TO THE SOUTH RIGHT–OF–WAY LINE OF BROAD STREET; THENCE S89°12'25"E, ALONG SAID SOUTH RIGHT–OF–WAY LINE, 2694.80 FEET TO THE EAST RIGHT–OF–WAY LINE OF SENATOR J. BENNETT JOHNSON AVENUE; THENCE S00°47'27"W, ALONG SAID EAST RIGHT–OF–WAY LINE, 977.25 FEET; THENCE S02°00'16"W, ALONG SAID EAST RIGHT–OF–WAY LINE, 22.29 FEET TO A SET ¾" ROD; THENCE N88°33'25"W, A DISTANCE OF 54.53 FEET TO A FOUND ¾" ROD AND THE POINT OF BEGINNING; THENCE ALONG THE WEST RIGHT–OF–WAY LINE OF SENATOR J. BENNETT JOHNSON AVENUE THE FOLLOWING FOUR (4) CALLS: S00°47'03"W 99.50 FEET TO A FOUND ¾" PIPE; N89°13'27"W 10.00 FEET TO A POINT ON A CURVE TO THE RIGHT, SAID CURVE HAVING A RADIUS OF 109.50 FEET, A CHORD WHICH BEARS S23°34'48"W AND MEASURES 84.82 FEET; THENCE ALONG SAID CURVE 87.10 FEET TO A FOUND ½" PIPE AND POINT OF TANGENCY; THENCE S46°22'03"W 416.49 FEET TO THE NORTH RIGHT–OF–WAY LINE OF AVENUE J; THENCE N88°34'40"W, ALONG SAID NORTH RIGHT–OF–WAY LINE, 63.74 FEET; THENCE N38°01'48"E 168.66 FEET; THENCE N46°01'52"E 400.06 FEET; THENCE N01°12'16"E 57.98 FEET; THENCE S88°33'25"E 225.30 FEET TO THE POINT OF BEGINNING. CONTAINING 2.74 ACRES, MORE OR LESS.

TRACT 3 (CoLC TO CIAA)

A BOUNDARY SURVEY OF A TRACT OF LAND LOCATED IN THE NORTHWEST QUARTER (NW ¼) OF SECTION 2, TOWNSHIP 10 SOUTH, RANGE 8 WEST, CALCASIEU PARISH, LOUISIANA, SAID TRACT OF LAND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE NORTHWEST CORNER OF SECTION 2, TOWNSHIP 10 SOUTH, RANGE 8 WEST; THENCE S00°47'35"W 40.0 FEET TO THE SOUTH RIGHT–OF–WAY LINE OF BROAD STREET; THENCE S89°12'25"E, ALONG SAID RIGHT–OF–WAY LINE, 2694.80 FEET TO THE EAST RIGHT–OF–WAY LINE OF SENATOR J. BENNETT JOHNSON AVENUE; THENCE S00°47'27"W, ALONG SAID EAST RIGHT–OF–WAY LINE, 977.25 FEET; THENCE S02°00'16"W, ALONG SAID EAST RIGHT–OF–WAY LINE, 22.29 FEET TO A SET ¾" ROD; THENCE N88°33'25"W, A DISTANCE OF 54.53 FEET TO A FOUND ¾" ROD AND THE POINT OF BEGINNING; THENCE ALONG THE WEST RIGHT–OF–WAY LINE OF SENATOR J. BENNETT JOHNSON AVENUE THE FOLLOWING FOUR (4) CALLS: S00°47'03"W 99.50 FEET TO A FOUND ¾" PIPE; N89°13'27"W 10.00 FEET TO A POINT ON A CURVE TO THE RIGHT, SAID CURVE HAVING A RADIUS OF 109.50 FEET, A CHORD WHICH BEARS S23°34'48"W AND MEASURES 84.82 FEET; THENCE ALONG SAID CURVE 87.10 FEET TO A FOUND ½" PIPE AND POINT OF TANGENCY; THENCE S46°22'03"W 416.49 FEET TO THE NORTH RIGHT–OF–WAY LINE OF AVENUE J; THENCE N88°34'40"W, ALONG SAID NORTH RIGHT–OF–WAY LINE, 63.74 FEET; THENCE N38°01'48"E 168.66 FEET; THENCE N46°01'52"E 400.06 FEET; THENCE N01°12'16"E 57.98 FEET; THENCE S88°33'25"E 225.30 FEET TO THE POINT OF BEGINNING. CONTAINING 2.74 ACRES, MORE OR LESS.

TRACT 4 (CoLC TO CIAA)

A BOUNDARY SURVEY OF A TRACT OF LAND LOCATED IN THE NORTHWEST QUARTER (NW ¼) OF SECTION 2, TOWNSHIP 10 SOUTH, RANGE 8 WEST, CALCASIEU PARISH, LOUISIANA, SAID TRACT OF LAND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

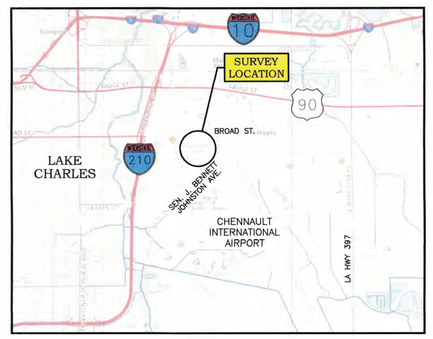
COMMENCE AT THE NORTHWEST CORNER OF SECTION 2, TOWNSHIP 10 SOUTH, RANGE 8 WEST; THENCE S00°47'35"W 40.0 FEET TO THE SOUTH RIGHT–OF–WAY LINE OF BROAD STREET; THENCE S89°12'25"E, ALONG SAID SOUTH RIGHT–OF–WAY LINE, 1400.58 FEET TO A FOUND 1¼" PIPE AND, SAID POINT ALSO BEING THE NORTHEAST CORNER OF A PARCEL OF LAND ACQUIRED BY CHENNAULT SELF STORAGE, LLC, AS PER CONVEYANCE BOOK 3209, PAGE 188, RECORDS OF CALCASIEU PARISH, LOUISIANA; THENCE S01°51'38"E, ALONG THE EAST LINE OF SAID PARCEL AND PROLONGATION THEREOF, 1336.38 FEET; THENCE S88°44'46"E, A DISTANCE OF 38.0 FEET TO THE POINT OF BEGINNING, THENCE S01°51'38"W, PARALLEL TO THE EAST LINE OF A PARCEL OF LAND ACQUIRED BY CINC, L.L.C., AS PER CONVEYANCE BOOK 2664, PAGE 33, RECORDS OF CALCASIEU PARISH, LOUISIANA, 121.96 FEET TO THE NORTH RIGHT–OF–WAY LINE OF AVENUE J; THENCE S88°34'40"E, ALONG SAID NORTH RIGHT–OF–WAY LINE, 600.84 FEET TO A POINT, SAID POINT BEING N88°34'40"W 287.36 FEET FROM THE INTERSECTION OF THE NORTH RIGHT–OF–WAY LINE OF AVENUE J AND THE WEST RIGHT–OF–WAY LINE OF SENATOR J. BENNETT JOHNSON AVENUE; THENCE N01°17'07"E 123.72 FEET; THENCE N88°44'46"W 599.61 FEET TO THE POINT OF BEGINNING. CONTAINING 1.69 ACRES, MORE OR LESS.

CERTIFICATION

I HEREBY CERTIFY THAT THIS PLAT WAS MADE IN ACCORDANCE WITH THE APPLICABLE PROFESSIONAL AND OCCUPATIONAL STANDARDS OF PRACTICE FOR A CLASS "C" SURVEY PER LOUISIANA ADMINISTRATIVE CODE, TITLE 46, PART LXI.

COLE R. THOMPSON, P.L.S.
LOUISIANA REG. NO. 5340

STATE OF LOUISIANA
COLE THOMPSON
REG. NO. 5340
REGISTERED PROFESSIONAL
LAND SURVEYOR
8.8.25



VICINITY MAP
NOT TO SCALE

SHEET NUMBER 1 of 2

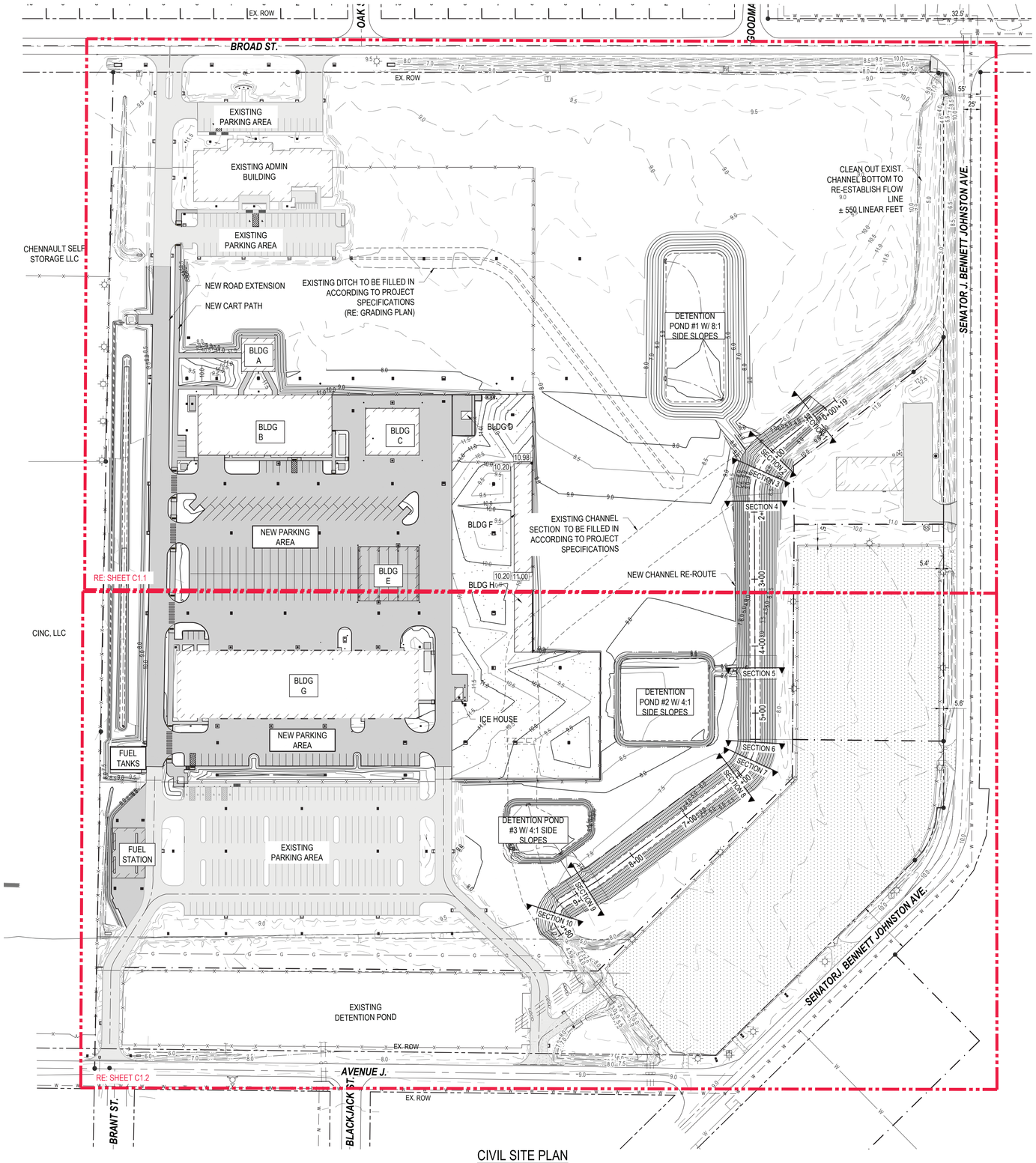
VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS

SHEET NO. C0.2

LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2
4200 BROAD STREET
LAKE CHARLES, LA 70615
BOUNDARY SURVEY (FOR REFERENCE ONLY)

ARCH # 24009BA

Brossett Architect
Brossett Architect, LLC · 414 Pujo St., Lake Charles, LA 70601



CIVIL SITE PLAN

SCALE: 1" = 80'

SITE PREPARATION AND STRUCTURAL FILL NOTES:

1. SUBGRADE PREPARATION SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEERING REPORT BY DANIEL J. HOLDER, P.E., INC. FOR THE LAKE CHARLES PUBLIC WORKS ADMINISTRATION BUILDING, DATED DECEMBER 30, 2023 DJH FILE NO. 23-038. ALL ITEMS SHALL BE IN ACCORDANCE WITH LA DOTD STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES, CURRENT EDITION, AND PARISH REGULATIONS.
2. ESTABLISHING AND MAINTAINING PROPER DRAINAGE ON THE SITE IS CRITICAL FOR EARTHWORK AND FOUNDATION CONSTRUCTION. SITE PREPARATION TO PROVIDE DRY WORKING CONDITIONS ARE EXPECTED AND INCLUDE CUTTING DRAINAGE DITCHES PRIOR TO EARTHWORK ACTIVITIES, THOROUGHLY PROCESS OR DRY THE SUBGRADE SOILS AS NECESSARY, AND DEWATERING IF NECESSARY. SEE SURFACE LAYER PREPARATION, OF THE LADOTD LOUISIANA STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES, CURRENT EDITION.
3. SITE PREPARATION FOR THE SITE SHOULD INCLUDE REMOVAL OF THE UPPER 1' OR SO OF SILTY MATERIAL (OR DEEPER IF SIGNIFICANT ROOTS OR ORGANIC MATTER ARE PRESENT) SHALL BE REMOVED TO EXPOSE THE FIRM CLAYEY SUBGRADE. THE EXPOSED SUBGRADE SHALL BE PROOFROLLED WITH A 15-TON LOADED, TANDEM-AXLE DUMP TRUCK TO DETECT WEAK AREAS. WEAK AREAS ARE DEFINED AS LOCATIONS THAT PUMP AND/OR RUT IN EXCESS OF ABOUT 2" OR AS DEEMED UNSATISFACTORY BASED ON OBSERVATIONS OF THE PROOF-ROLL PROCESS BY THE GEOTECHNICAL ENGINEER OR RECORD. WEAK AREAS SHALL BE REMOVED AND REPLACED WITH STRUCTURAL FILL. THE SUBGRADE SHALL BE BROUGHT TO GRADE WITH A USABLE SOIL COMPACTED IN 6 INCH THICK LOOSE LIFTS OR LESS AND COMPACTED TO A MINIMUM OF THE 95% STANDARD PROCTOR MAXIMUM DRY DENSITY BEFORE ANOTHER LIFT IS ADDED.

   ALL SITE PREPARATION AND EARTHWORK ACTIVITIES SHALL BE INSPECTED AND TESTED BY QUALIFIED CONSTRUCTION MATERIAL TESTING (CMT) PERSONNEL EXPERIENCED IN EARTHWORK CONSTRUCTION. THIS SHOULD INCLUDE FULL-TIME INSPECTION OF THE SITE PREPARATION AND TESTING OF FILL PLACEMENT AND COMPACTION. THESE SERVICES ARE ESSENTIAL FOR THE RELIABLE CONSTRUCTION OF THE BUILDING PAD AND ROADWAY FOUNDATION FOR THIS PROJECT.
4. INSTALL SELECT STRUCTURAL FILL TO THE REQUIRED ELEVATION DIRECTLY UNDER, AND A MINIMUM OF 1 FOOT OUTSIDE OF THE ROAD AND PAVEMENT PERIMETER. REMOVE ANY DETERIORATED ABANDONED FOUNDATIONS, TREE STUMPS, ROOTS, RUBBLE, OR STRUCTURES WHICH MAY FALL IN ROADWAY FOOTPRINT. FILL TO BE PLACED NO STEEPER THAN 3 HORIZONTAL TO 1.0 VERTICAL.
5. TREATMENT OF THE SUBGRADE MAY BE CONSIDERED, IF NECESSARY, TO HELP PROVIDE A FIRM WORKING TABLE. LIME MAY BE AN EFFECTIVE TREATMENT AGENT IN THE SHALLOW SILTY SOILS; CEMENT OR LIME-FLYASH TREATMENT MAY ALSO BE CONSIDERED. TREATMENT SHOULD BE PERFORMED IN GENERAL ACCORDANCE WITH LA DOTD STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES, SECTION 302, CLASS II BASE COURSE.
6. IN PAVEMENT AREAS, STRUCTURAL FILL SHALL BE PLACED IN 6 INCH THICK LOOSE LIFTS OR LESS AND COMPACTED TO 95% OF THE SOILS STANDARD PROCTOR MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D1557. MOISTURE CONTENT SHOULD BE CONDITIONED TO WITHIN 2% OF THE OPTIMUM MOISTURE CONTENT. EACH LIFT SHOULD BE TESTED TO ENSURE COMPLIANCE PRIOR TO PLACING SUBSEQUENT LIFTS. COMPACTION SHOULD BE ACCOMPLISHED WITH THE USE OF A SHEEPSFOOT ROLLER OR A MECHANICAL COMPACTOR. EACH LIFT SHALL HAVE A MINIMUM OF ONE COMPACTION TEST PER 2500 SQUARE FEET PERFORMED BY AN INDEPENDENT LABORATORY. EACH LIFT MUST PASS COMPACTION TESTS PRIOR TO INSTALLATION OF NEXT LIFT.
7. A DRAINAGE PATH AWAY FROM THE SUBGRADE SHOULD BE MAINTAINED UNTIL ALL SUBGRADE WORK IS COMPLETE. MAINTENANCE TO THE SITE TO PREVENT PONDING AND/OR STANDING WATER DURING AND FOLLOWING CONSTRUCTION IS ESSENTIAL.
8. BEST MANAGEMENT PRACTICES SHOULD BE USED DURING CONSTRUCTION ACTIVITIES AS PER SECTION 204 OF THE LA. DOTD SPECIFICATIONS AND STANDARD PLAN EC-01 TO THE EXTENT NECESSARY TO ENSURE EFFECTIVE CONTROL OF EROSION.
9. GEOTECHNICAL ENGINEER OF RECORD SHOULD OBSERVE THE EXCAVATION PRIOR TO BACKFILL.

LIME-STABILIZED CLAY FILL AND SUBGRADE:

LIME-STABILIZATION MAY BE UTILIZED TO MODIFY POTENTIAL CLAY FILL MATERIALS TO BE USED AS STRUCTURAL CLAY FILL. LIME-STABILIZED STRUCTURAL CLAY FILL OR "IN PLACE" LIME-STABILIZATION OF STRUCTURAL CLAY FILL SHOULD BE USED TO PROVIDE A STABILIZED SUBGRADE BELOW PAVEMENT SECTIONS. LABORATORY TESTS SHOULD BE CONDUCTED ON PERTINENT SAMPLES FROM ONSITE OR FROM AN OFFSITE BORROW SOURCE AT THE TIME OF CONSTRUCTION TO DETERMINE THE OPTIMUM LIME CONTENT. THE OPTIMUM LIME CONTENT TO ACHIEVE A pH OF 12.4 AND A PLASTICITY INDEX (PI) OF LESS THAN 20. FOR ESTIMATION PURPOSES, ABOUT 4 TO 6 PERCENT LIME, BY DRY WEIGHT, MAY BE REQUIRED TO STABILIZE LOW TO MODERATE PLASTICITY COHESIVE FILL SOILS AND ABOUT 7 TO 9 PERCENT LIME, BY DRY WEIGHT, MAY BE REQUIRED TO STABILIZED MODERATE TO HIGH PLASTICITY COHESIVE SOILS. LIME SERIES TEST TO BE PERFORMED USING THE SPECIFIC SOIL SAMPLES AND PROPOSED LIME ADDITIVE. LIME STABILIZATION SHOULD BE PERFORMED IN ACCORDANCE WITH THE *HANDBOOK FOR STABILIZATION OF PAVEMENT SUBGRADES AND BASE COURSES WITH LIME* AND LADOTD STANDARD SPECIFICATIONS FOR LIME TREATMENT (SECTION 304). KEY ITEMS FOR LIME-STABILIZING CLAY SOILS INCLUDE PLACING THE PROPER PERCENTAGE OF LIME, THOROUGHLY MIXING THE LIME INTO THE CLAY SOILS, BRINGING THE STABILIZED SOIL TO THE PROPER MOISTURE CONTENT, ALLOWING THE STABILIZED SOIL TO CURE OR "MELLOW" FOR AT LEAST 48 HOURS, ADJUSTING THE MOISTURE CONTENT FROM 1 PERCENT DRY TO 3 PERCENT WET OF OPTIMUM MOISTURE CONTENT, PULVERIZING THE SOILS AGAIN UNTIL THE LIME IS THOROUGHLY BLENDED, THEN PLACING AND COMPACTING THE STABILIZED SOIL IN ACCORDANCE WITH THE RECOMMENDATIONS PROVIDED FOR STRUCTURAL CLAY FILL.

SOIL CEMENT NOTE:

WHERE SOIL CEMENT IS UTILIZED AS ROADBASE OR SUBGRADE, CONTRACTOR SHALL MIX 12 PERCENT SOIL CEMENT BY VOLUME INTO THE FIRST 8.5 INCHES OF THE SUB-BASE. THE CEMENT SHALL BE UNIFORMLY SPREAD OVER THE REQUIRED AREAS AND MIXED "IN-PLACE" WITH AN APPROVED ROTARY MIXER. CONTRACTOR SHALL INITIALLY COMPACT THE SUBGRADE WITH A SHEEPSFOOT OR PAD FOOT ROLLER AND PROVIDE FINAL COMPACTION TO AT LEAST 95 PERCENT THE MAXIMUM DRY DENSITY (ASTM D698) UTILIZING AN APPROPRIATE PNEUMATIC ROLLER TYPE EQUIPMENT. THE MOISTURE CONTENT SHOULD BE PLUS OR MINUS 2% OF THE OPTIMUM. CONTRACTOR IS RESPONSIBLE TO DETERMINE APPROPRIATE RATE AND TIME AT WHICH TO PERFORM THESE ACTIVITIES IN ORDER TO MINIMIZE THE POTENTIAL OF EXPOSING THE ROADBED SOILS TO PROLONGED PERIODS OF WET WEATHER.

HYDROSEEDING NOTES:

1. CONTRACTOR SHALL HYDROSEED ALL DISTURBED AREAS AFTER FINAL GRADING IS COMPLETE AND PRIOR TO ANY RAIN EVENT.
2. CONTRACTOR SHALL PROVIDE HYDROSEEDING THAT CONSISTS OF SEED, FERTILIZER, WATER MANAGEMENT GEL, TACKIFIER, AND INNOCULUM, WITH PAPER OR WOOD FIBER AND WATER. HYDROSEEDING SHALL BE SPREAD OVER THE AREA(S) AT A MINIMUM RATE OF 20-40 LBS PER ACRE FOLLOWING RECOMMENDATIONS FROM HYDROSEEDING VENDOR.
3. HYDROSEEDING SHALL CONSIST OF A SEED MIXTURE AS RECOMMENDED FOR PROPER GROWTH IN SOUTHWEST LOUISIANA. MIXTURE MAY INCLUDE BERMUDA AND RYE GRASSES. FINAL SEED MIXTURE AND INSTALLATION PROCEDURES SHALL BE AS PER DOTD STANDARD SPECIFICATIONS AND APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO PURCHASE AND / OR INSTALLATION.
4. CONTRACTOR SHALL EMPLOY A MIXER / APPLICATOR WITH BUILT-IN CONTINUOUS AGITATION SYSTEM CAPABLE OF PRODUCING A HOMOGENOUS MIXTURE.
5. HYDROSEEDING SHOULD NOT BE APPLIED DURING, OR PRIOR TO, ANY RAIN EVENT OR IF THE WIND SPEED IS GREATER THAN 15 MILES PER HOUR. VEHICULAR OR PEDESTRIAN TRAFFIC SHOULD NOT BE PERMITTED TO ENTER AREAS WHERE HYDROSEEDING HAS BEEN APPLIED (COMPLY WITH VENDOR RECOMMENDATIONS).

LEGEND

- EXISTING PROPERTY LINE
- EXISTING OVERHEAD POWER
- EXISTING DRAINAGE PIPE
- EXISTING UNDERGROUND GAS PIPELINE
- EXISTING DITCH CENTERLINE
- EXISTING DITCH TOP
- EXISTING DITCH TOE
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING FENCE
- EXISTING CONCRETE PAVING
- EXISTING ASPHALT PAVING
- EXISTING SANITARY SEWER CLEANOUT
- EXISTING SANITARY SEWER MANHOLE
- EXISTING POWER POLE
- NEW DRAINAGE PIPE
- NEW DITCH CENTERLINE/ POND FLOW LINE
- NEW DITCH/POND TOP
- NEW DITCH/POND TOE
- NEW FENCE
- NEW CONCRETE PAVING
- NEW GRAVEL LAY DOWN

CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND MUST NOTIFY LOUISIANA 811 BY CALLING **811** OR **1-800-272-3020** OR BY VISITING **LOUISIANA811.COM** AT LEAST TWO BUSINESS DAYS PRIOR TO COMMENCEMENT OF ANY WORK.

Louisiana 811 LOUISIANA811.COM

NOTE:

INSTALL BIODEGRADABLE & SEEDABLE FIBROUS SEDIMENT CONTROL MATS OVER ENTIRE SURFACE AREA OF NEWLY RE-ROUTED CHANNEL SECTION. ENSURE COVERAGE OF ALL DISTURBED AREA. PROVIDE EXCELSIOR BLANKET MAT FROM ONE CLARION (OR EQUAL). INSTALL WITH STAKES PER MANUFACTURER'S RECOMMENDATIONS. HYDROSEED FULL AREA OF ALL MAT SURFACING PER NOTES & SPECIFICATIONS AFTER INSTALLATION.

FOR CONSTRUCTION

peridian ENGINEERING SERVICES
700 PUJO ST. SUITE C
LAKE CHARLES, LA 70601
PES PROJECT NO. 24044
PHONE: 337.602.6097 WWW.PESERVICES.US

STATE OF LOUISIANA
NATHAN E. JORDAN
License. No. 33702
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
12/20/2025

Brossett Architect

Brossett Architect, LLC · 414 Pujo St., Lake Charles, LA 70601

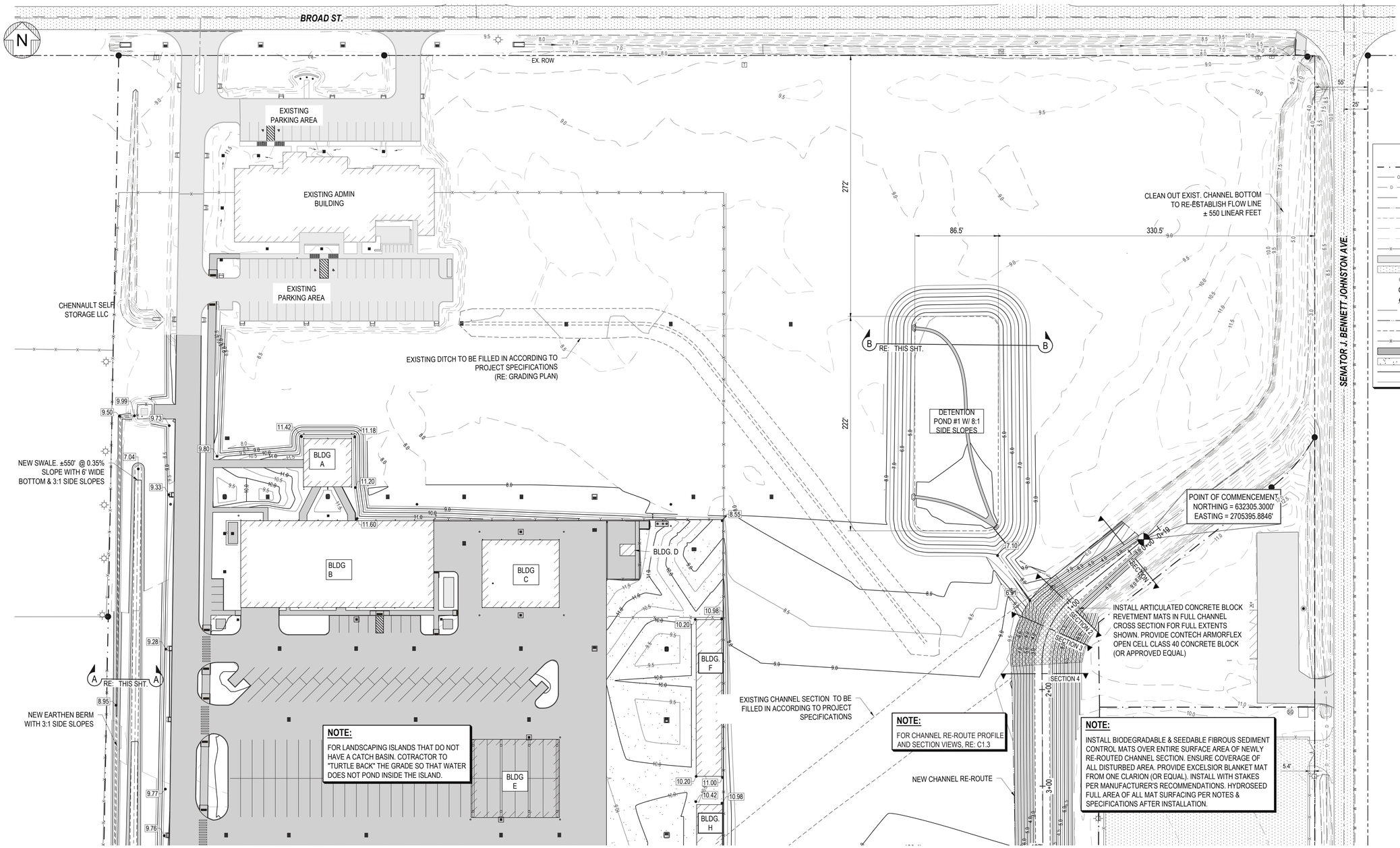
LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2
4200 BROAD STREET
LAKE CHARLES, LA 70615

SITE GRADING PLAN AND NOTES

SHEET NO. C1.0

ARCH # 24009BA

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS

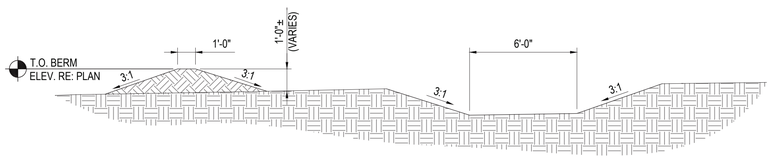


GRADING PLAN NORTH

SCALE: 1" = 50'

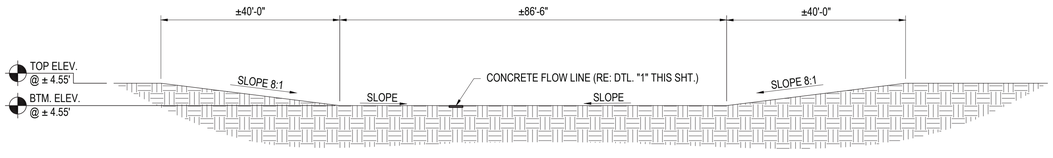
NOTE:
CONTRACTOR TO PROVIDE FINAL GRADING AS SHOWN. PROVIDE A SMOOTH TRANSITION BETWEEN NEW AND EXISTING CONTOURS.

NOTE:
CONTRACTOR TO MAINTAIN FULL SITE DRAINAGE CAPABILITY DURING CONSTRUCTION. PROVIDE TEMPORARY MEASURES & ROUTING AS NECESSARY DURING CHANNEL RE-ROUT, DITCH FILL-IN, POND CONSTRUCTION, ETC



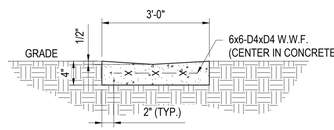
SECTION "A-A"

SCALE: 1/16" = 1'-0"



SECTION "B-B"

SCALE: 1/16" = 1'-0"



DETAIL "1"
DETENTION POND CONCRETE FLOW LINE

NOT TO SCALE

FOR CONSTRUCTION

peridian ENGINEERING SERVICES
700 PUJO ST. SUITE C
LAKE CHARLES, LA 70601
PES PROJECT NO. 24044
PHONE: 337.602.6097 WWW.PESERVICES.US

STATE OF LOUISIANA
NATHAN E. JORDAN
License. No. 33702
PROFESSIONAL ENGINEER IN CIVIL ENGINEERING
12/20/2025

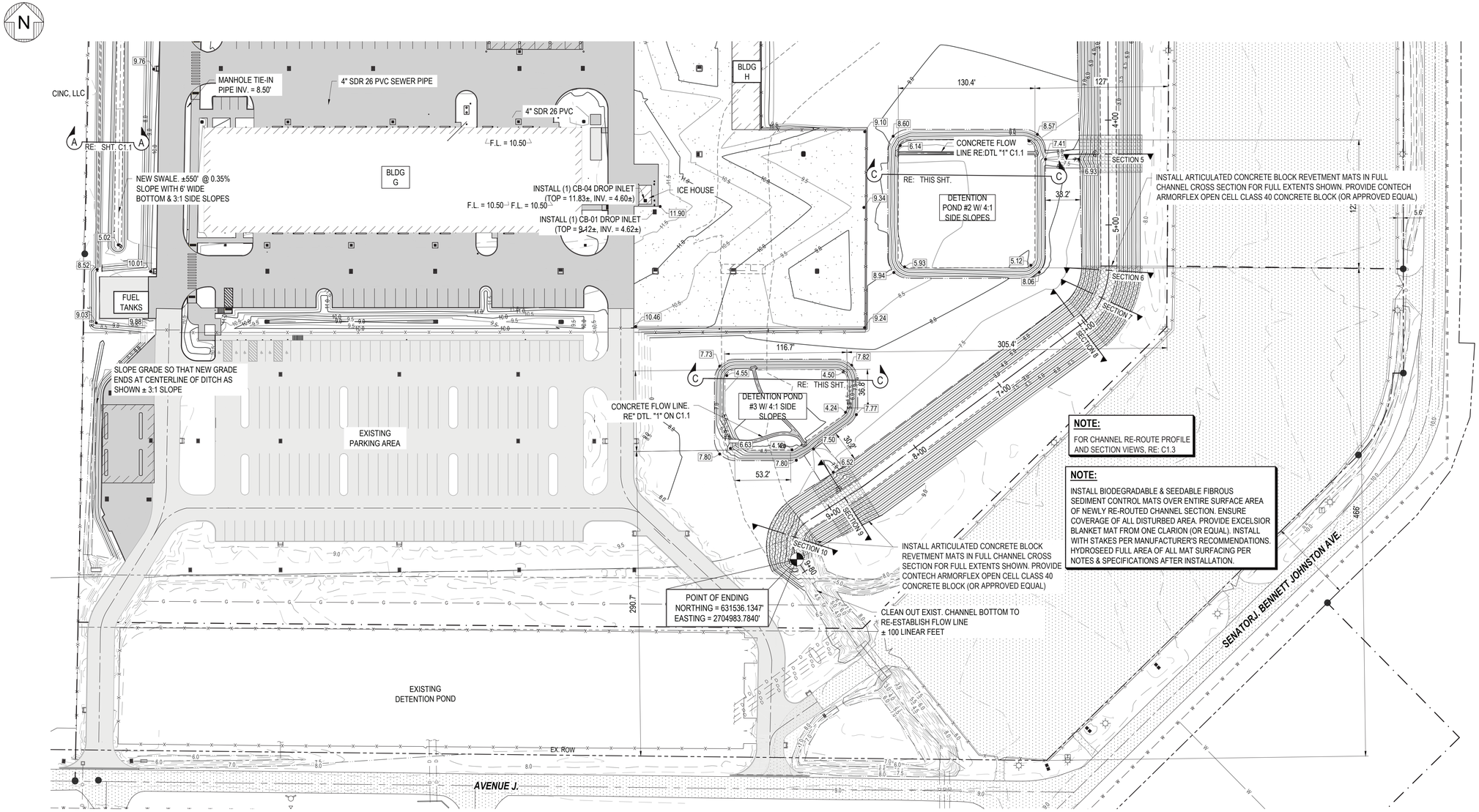
Brossett Architect
Brossett Architect, LLC · 414 Pujo St., Lake Charles, LA 70601

LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2
4200 BROAD STREET
LAKE CHARLES, LA 70615
ENLARGED GRADING PLAN (NORTH)

SHEET NO. C1.1

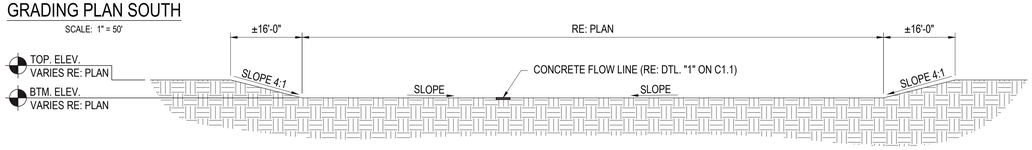
ARCH # 2400PBA

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS



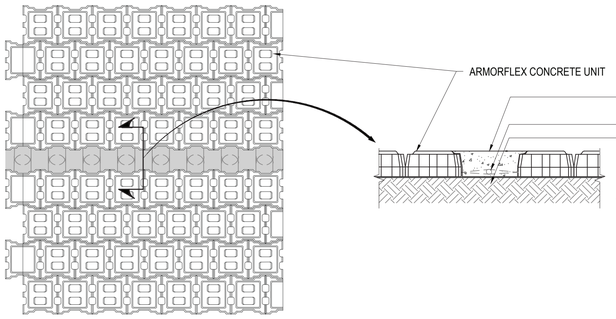
GRADING PLAN SOUTH

SCALE: 1" = 50'



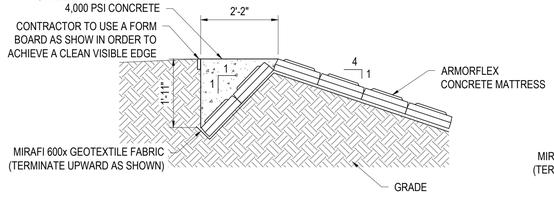
SECTION "C-C

SCALE: 1/16" = 1'-0"



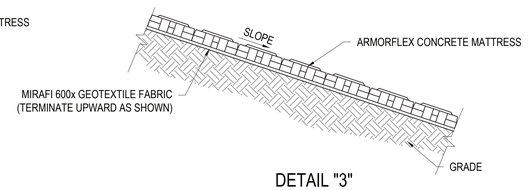
DETAIL "1"
ACB MAT TO MAT CONNECTION

NOT TO SCALE



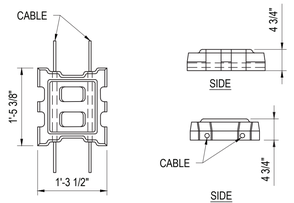
DETAIL "2"
ACB MAT TOP TERMINATION

NOT TO SCALE



DETAIL "3"
ACB MAT TYPICAL SECTION

NOT TO SCALE



DETAIL "4"
ACB MAT TO MAT CONNECTION

NOT TO SCALE

FOR CONSTRUCTION

peridian ENGINEERING SERVICES
700 PUJO ST. SUITE C
LAKE CHARLES, LA 70601
PES PROJECT NO. 24044
PHONE: 337.602.6097 WWW.PESERVICES.US

STATE OF LOUISIANA
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LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2

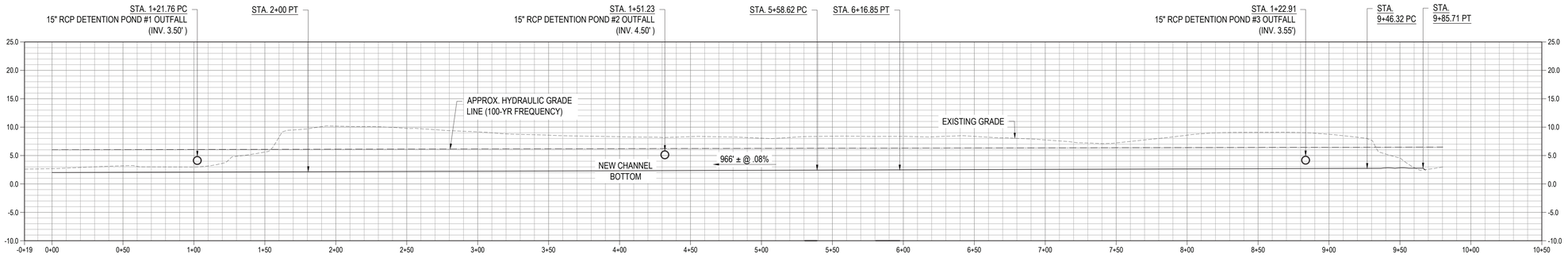
4200 BROAD STREET
LAKE CHARLES, LA 70615

ENLARGED GRADING PLAN (SOUTH)

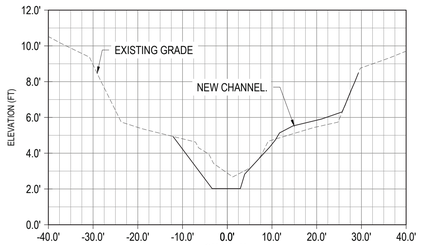
SHEET NO. C1.2

ARCH # 24009BA

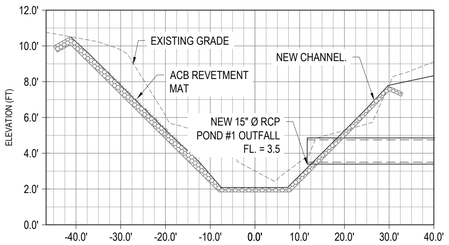
VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS



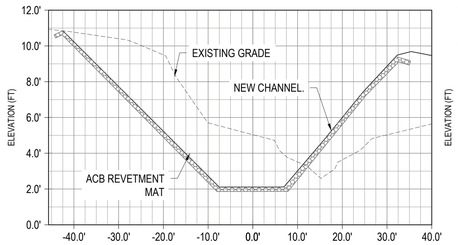
CHANNEL RE-ROUTE PROFILE STA. -0+19 THRU STA. 10+50



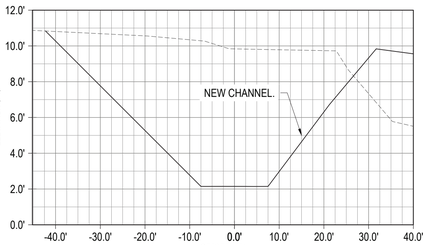
SECTION 1
0+19.40



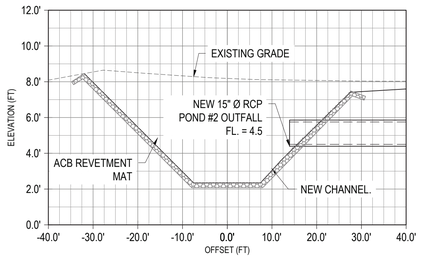
SECTION 2
1+02.87



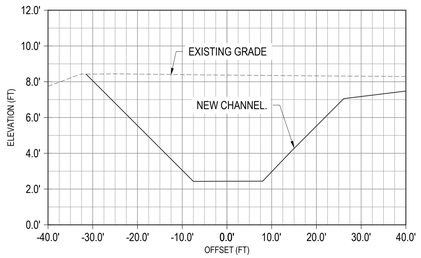
SECTION 3
1+35.69



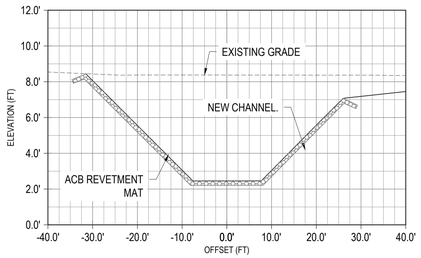
SECTION 4
1+83.48



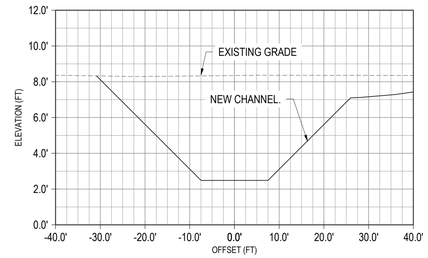
SECTION 5
4+32.51



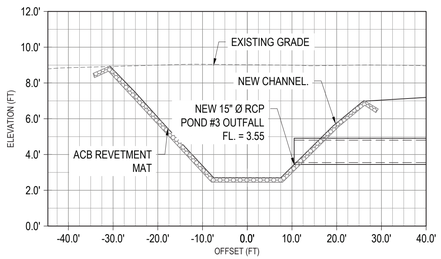
SECTION 6
5+43.36



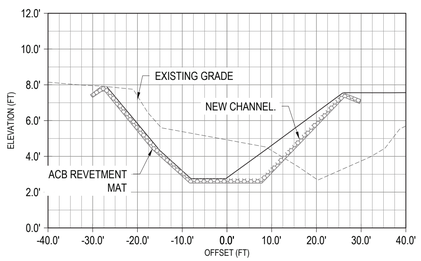
SECTION 7
5+70.74



SECTION 8
6+04.32



SECTION 9
8+82.71



SECTION 10
9+44.56

FOR CONSTRUCTION

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LAKE CHARLES PUBLIC WORKS
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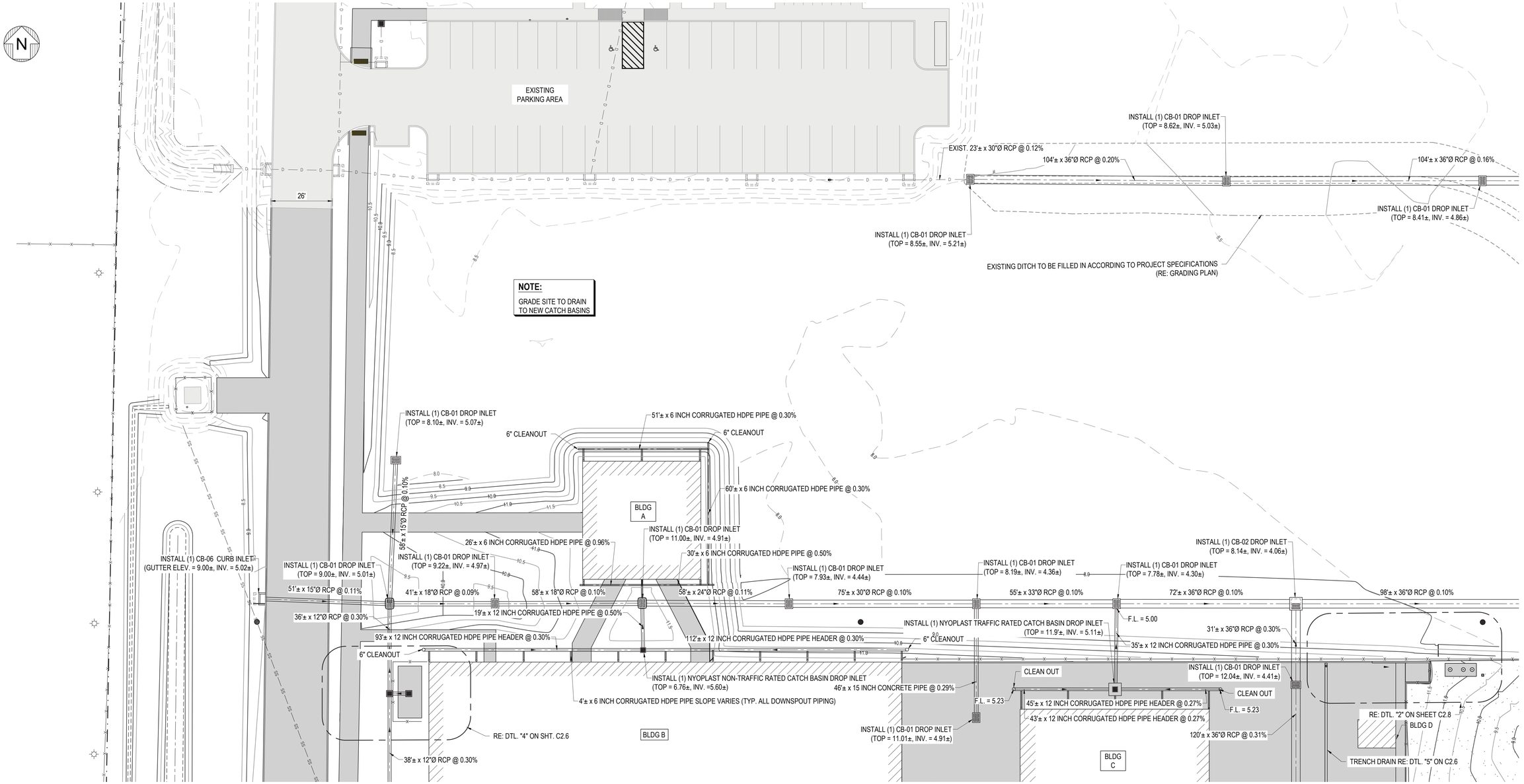
LAKE CHARLES, LA 70615

CHANNEL RE-ROUTE PROFILE & SECTIONS

SHEET NO. C1.3

ARCH # 24009BA

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS



AREA "1" ENLARGED DRAINAGE PLAN

SCALE: 1" = 20'

NOTE:

FOR CIVIL SANITARY SEWER PLANS AND DETAILS RE: SHT. C3.0

NOTE:

FOR ALL ADS PRODUCTS, CONTRACTOR MAY SUBMIT AN ALTERNATE PRODUCT OF EQUAL SPECIFICATIONS FOR APPROVAL BY ENGINEER OF RECORD.

LEGEND

- EXISTING PROPERTY LINE
- EXISTING OVERHEAD POWER
- EXISTING DRAINAGE PIPE
- EXISTING DITCH CENTERLINE
- EXISTING DITCH TOP
- EXISTING DITCH TOE
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING FENCE
- EXISTING CONCRETE PAVING
- EXISTING ASPHALT PAVING
- EXISTING SANITARY SEWER CLEANOUT
- EXISTING SANITARY SEWER MANHOLE
- EXISTING POWER POLE
- NEW DRAINAGE PIPE
- NEW DITCH CENTERLINE / POND FLOW LINE
- NEW DITCH/POND TOP
- NEW DITCH/POND TOE
- NEW FENCE
- NEW CONCRETE PAVING
- NEW GRAVEL LAY DOWN

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LAKE CHARLES, LA 70615

AREA "1" ENLARGED DRAINAGE PLAN

SHEET NO. C2.0

ARCH # 24009BA

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS

N

INSTALL (1) CB-04 DROP INLET
(TOP = 11.50±, INV. = 5.24±)

7'± x 6 INCH CORRUGATED HDPE PIPE @ SLOPE VARIES (TYP ALL DOWNSOPUT PIPING)

32'± x 6 INCH CORRUGATED HDPE PIPE @ 1.00%

BLDG C

9 IN. SQUARE DEEP-HOUSING
ADAPTER BY NDS (OR EQUAL)
RE: STRUCTURAL AND ARCH.

BLDG B

INSTALL (1) NYOPLAST NON-TRAFFIC RATED CATCH BASIN DROP INLET
(TOP = 11.60±, INV. = 5.40±)

INSTALL (1) NYOPLAST NON-TRAFFIC RATED CATCH BASIN DROP INLET
(TOP = 12.00±, INV. = 5.51±)

CLEAN OUT.

F.L. = 5.05

CLEAN OUT.

F.L. = 5.09

F.L. = 5.09

120'± x 36"Ø RCP @ 0.31%

123'± x 12 INCH CORRUGATED HDPE PIPE HEADER @ 0.30%

88'± x 12 INCH CORRUGATED HDPE PIPE HEADER @ 0.30%

INSTALL (1) NYOPLAST TRAFFIC RATED CATCH BASIN DROP INLET
(TOP = 11.17±, INV. = 5.14±)

43'± x 12 INCH CORRUGATED HDPE PIPE HEADER @ 0.30%

45'± x 12 INCH CORRUGATED HDPE PIPE HEADER @ 0.30%

INSTALL (1) CB-06 CURB INLET
(GUTTER ELEV. = 10.26±, INV. = 5.23±)

31'± x 12 INCH CORRUGATED HDPE PIPE @ 0.30%

INSTALL (1) ADS TRAFFIC RATED CATCH BASIN DROP INLET
(TOP = 11.74±, INV. = 4.96±)

34'± x 12 INCH CORRUGATED HDPE PIPE @ 0.30%

INSTALL (1) CB-01 DROP INLET
(TOP = 9.00±, INV. = 5.00±)

110'± x 15"Ø RCP @ 0.10%

75'± x 18"Ø RCP @ 0.10%

56'± x 24"Ø RCP @ 0.10%

107'± x 24"Ø RCP @ 0.11%

72'± x 30"Ø RCP @ 0.09%

71'± x 15"Ø RCP @ 0.28%

INSTALL (1) CB-01 DROP INLET
(TOP = 10.95±, INV. = 5.12±)

INSTALL (1) CB-01 DROP INLET
(TOP = 10.95±, INV. = 5.04±)

INSTALL (1) CB-01 DROP INLET
(TOP = 10.95±, INV. = 4.98±)

INSTALL (1) CB-01 DROP INLET
(TOP = 10.75±, INV. = 4.86±)

INSTALL (1) CB-02 DROP INLET
(TOP = 10.25±, INV. = 4.79±)

123'± x 15 INCH CONCRETE PIPE @ 0.10%

127'± x 18"Ø RCP @ 0.10%

113'± x 24"Ø RCP @ 0.10%

139'± x 33"Ø RCP @ 0.08%

INSTALL (1) CB-06 CURB INLET
(GUTTER ELEV. = 10.28±, INV. = 5.81±)

INSTALL (1) CB-01 DROP INLET
(TOP = 10.95±, INV. = 5.69±)

INSTALL (1) CB-01 DROP INLET
(TOP = 10.95±, INV. = 5.56±)

17'± x 12 INCH CORRUGATED HDPE PIPE @ 0.30%

INSTALL (1) CB-01 DROP INLET
(TOP = 10.95±, INV. = 5.44±)

F.L. = 5.67

32'± x 12 INCH CORRUGATED HDPE PIPE HEADER @ 0.30%

F.L. = 5.59

INSTALL (1) CB-02 DROP INLET
(TOP = 9.00±, INV. = 5.33±)

CLEAN OUT.

CLEAN OUT.

60'± x 12 INCH CORRUGATED HDPE PIPE HEADER @ 0.30%

7'± x 6 INCH CORRUGATED HDPE PIPE (TYP.)

INSTALL (1) ADS TRAFFIC RATED CATCH BASIN DROP INLET
(TOP = 11.15±, INV. = 5.49±)

BLDG E

117'± x 33"Ø RCP @ 0.13%

61'± x 12 INCH CORRUGATED HDPE PIPE HEADER @ 0.30%

32'± x 12 INCH CORRUGATED HDPE PIPE HEADER @ 0.30%

BUS CANOPY
COLUMN (TYP.)

CLEAN OUT.

CLEAN OUT.

F.L. = 5.43

INSTALL (1) ADS TRAFFIC RATED CATCH BASIN DROP INLET
(TOP = 11.16±, INV. = 5.34)

INSTALL (1) CB-01 DROP INLET
(TOP = 10.75±, INV. = 5.29±)

INSTALL (1) CB-02 DROP INLET
(TOP = 9.50±, INV. = 5.18±)

57'± x 15"Ø RCP @ 0.15%

61'± x 18"Ø RCP @ 0.12%

76'± x 30"Ø RCP @ 0.10%

136'± x 33"Ø RCP @ 0.11%

15'± x 12 INCH CORRUGATED HDPE PIPE @ 0.30%

56'± x 36"Ø RCP @ 0.18%

107'± x 36"Ø RCP @ 0.10%

INSTALL (1) CB-06 CURB INLET
(GUTTER ELEV. = 10.29±, INV. = 5.69±)

INSTALL (1) CB-01 DROP INLET
(TOP = 11.75±, INV. = 5.57±)

INSTALL (1) CB-01 DROP INLET
(TOP = 11.75±, INV. = 5.52±)

INSTALL (1) CB-01 DROP INLET
(TOP = 10.75±, INV. = 5.29±)

INSTALL (1) CB-01 DROP INLET
(TOP = 9.12±, INV. = 5.18±)

50'± x 12 INCH CORRUGATED HDPE PIPE @ 0.30%

50'± x 12 INCH CORRUGATED HDPE PIPE @ 0.30%

INSTALL (1) ADS TRAFFIC RATED CATCH BASIN DROP INLET
(TOP = 11.80±, INV. = 5.44±)

INSTALL (1) ADS TRAFFIC RATED CATCH BASIN DROP INLET
(TOP = 11.80±, INV. = 5.67±)

INSTALL (1) ADS TRAFFIC RATED CATCH BASIN DROP INLET
(TOP = 11.80±, INV. = 5.97±)

82'± x 12 INCH CORRUGATED HDPE PIPE HEADER @ 0.30%

100'± x 12 INCH CORRUGATED HDPE PIPE HEADER @ 0.30%

120'± x 12 INCH CORRUGATED HDPE PIPE HEADER @ 0.44%

79'± x 36"Ø RCP @ 0.11%

INSTALL (1) ADS NON-TRAFFIC RATED CATCH BASIN DROP INLET
(TOP = 11.00±, INV. = 5.92±)

4'± x 6 INCH CORRUGATED HDPE PIPE (TYP @ TRENCH DRAINS)

60'± x 12 INCH CORRUGATED HDPE PIPE HEADER @ 0.30%

INSTALL (1) CB-02 DROP INLET
(TOP = 10.25±, INV. = 5.09±)

5'± x 6 INCH CORRUGATED HDPE PIPE (TYP. FOR DOWNSPOUT PIPING)

BLDG G

INSTALL (1) ADS NON-TRAFFIC RATED CATCH BASIN DROP INLET
(TOP = 11.0±, INV. = 5.63±)

LEGEND

- EXISTING PROPERTY LINE
- OHP — EXISTING OVERHEAD POWER
- D — D — EXISTING DRAINAGE PIPE
- EXISTING DITCH CENTERLINE
- EXISTING DITCH TOP
- EXISTING DITCH TOE
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- X — X — EXISTING FENCE
- EXISTING CONCRETE PAVING
- EXISTING ASPHALT PAVING
- EXISTING SANITARY SEWER CLEANOUT
- S — EXISTING SANITARY SEWER MANHOLE
- EXISTING POWER POLE
- NEW DRAINAGE PIPE
- NEW DITCH CENTERLINE
- NEW DITCH TOP
- NEW DITCH TOE
- X — X — NEW FENCE
- NEW CONCRETE PAVING
- NEW GRAVEL LAY DOWN

AREA "2" ENLARGED DRAINAGE PLAN

SCALE: 1" = 20'

NOTE:
FOR CIVIL SANITARY SEWER PLANS AND DETAILS RE: SHT. C3.0

NOTE:
FOR ALL ADS PRODUCTS, CONTRACTOR MAY SUBMIT AN ALTERNATE PRODUCT OF EQUAL SPECIFICATIONS FOR APPROVAL BY ENGINEER OF RECORD.

FOR CONSTRUCTION

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STATE OF LOUISIANA
NATHAN E. JORDAN
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12/20/2025

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LAKE CHARLES PUBLIC WORKS
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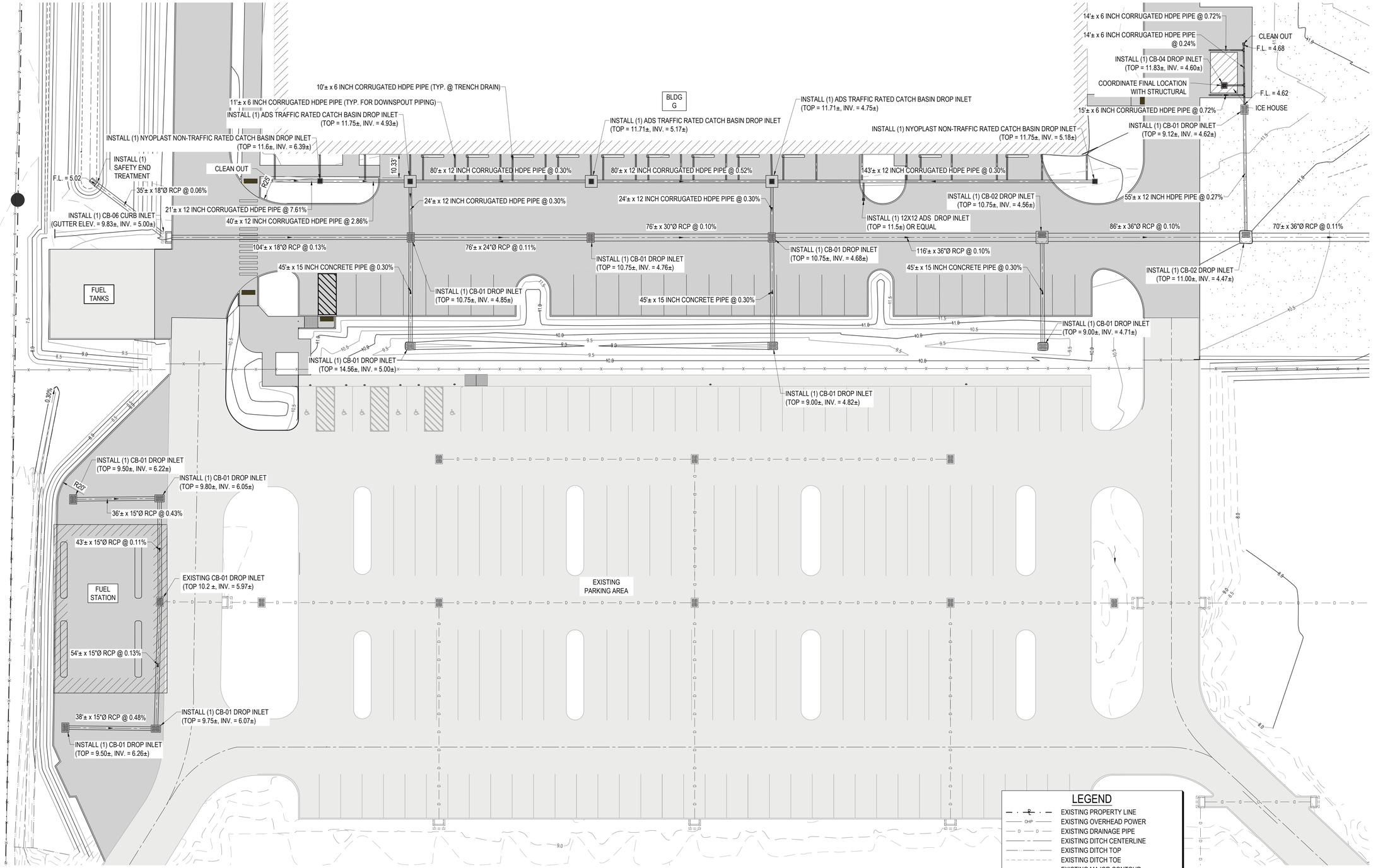
LAKE CHARLES, LA 70615

AREA "2" ENLARGED DRAINAGE PLAN

SHEET NO. C2.1

ARCH # 24009BA

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS



AREA "3" ENLARGED DRAINAGE PLAN

SCALE: 1" = 20'

CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND MUST NOTIFY LOUISIANA 811 BY CALLING **811** OR **1-800-272-3020** OR BY VISITING **LOUISIANA811.COM** AT LEAST TWO BUSINESS DAYS PRIOR TO COMMENCEMENT OF ANY WORK.

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NOTE:
FOR CIVIL SANITARY SEWER PLANS AND DETAILS RE: SHT. C3.0

NOTE:
FOR ALL ADS PRODUCTS, CONTRACTOR MY SUBMIT AN ALTERNATE PRODUCT OF EQUAL SPECIFICATIONS FOR APPROVAL BY ENGINEER OF RECORD.

LEGEND

- EXISTING PROPERTY LINE
- EXISTING OVERHEAD POWER
- EXISTING DRAINAGE PIPE
- EXISTING DITCH CENTERLINE
- EXISTING DITCH TOP
- EXISTING DITCH TOE
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING FENCE
- EXISTING CONCRETE PAVING
- EXISTING ASPHALT PAVING
- EXISTING SANITARY SEWER CLEANOUT
- EXISTING SANITARY SEWER MANHOLE
- EXISTING POWER POLE
- NEW DRAINAGE PIPE
- NEW DITCH CENTERLINE/ POND FLOW LNE
- NEW DITCH/POND TOP
- NEW DITCH/POND TOE
- NEW FENCE
- NEW CONCRETE PAVING
- NEW GRAVEL LAY DOWN

FOR CONSTRUCTION

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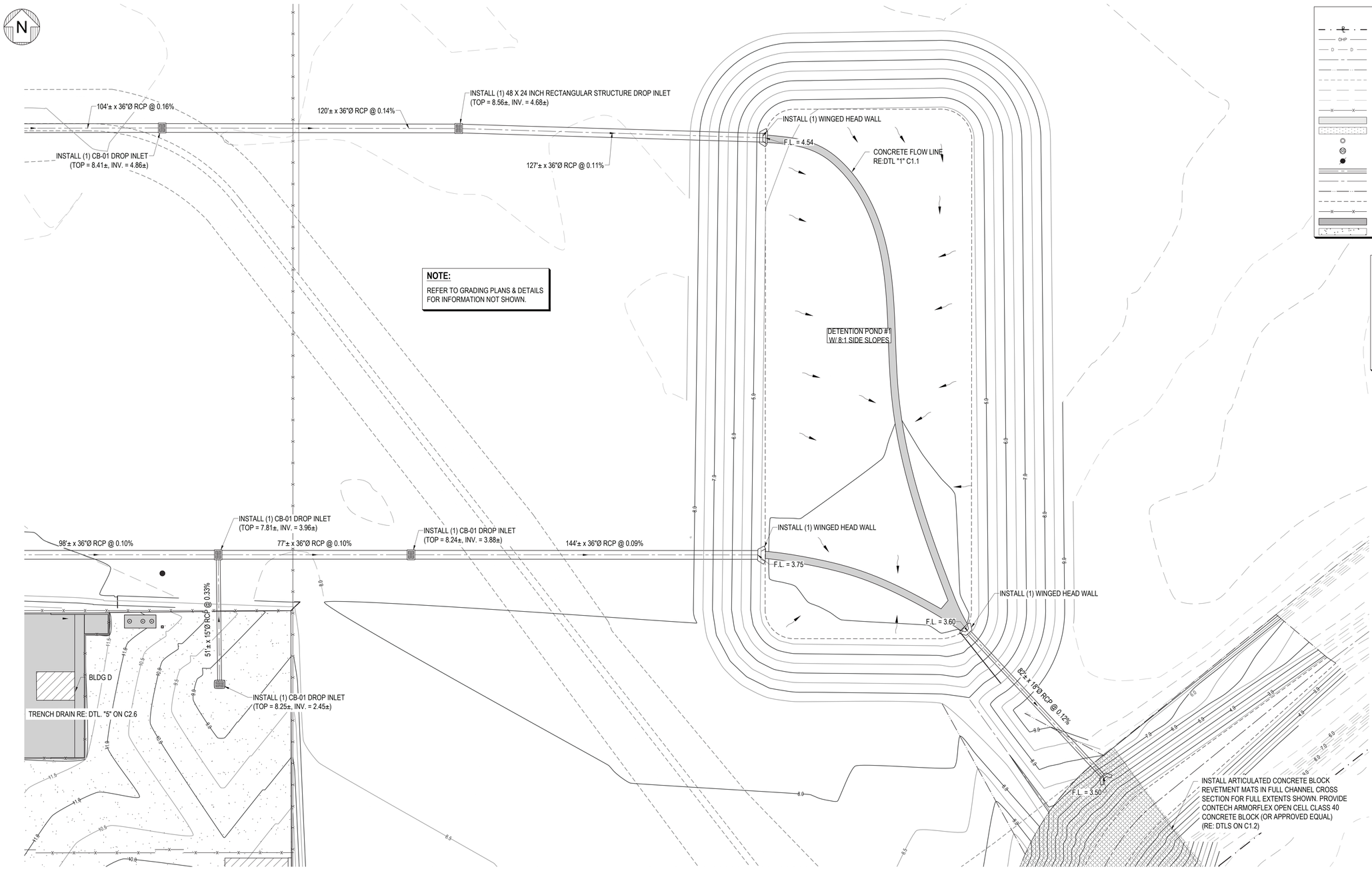
LAKE CHARLES, LA 70615

AREA "3" ENLARGED DRAINAGE PLAN

SHEET NO. C2.2

ARCH # 24009BA

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS



NOTE:
REFER TO GRADING PLANS & DETAILS FOR INFORMATION NOT SHOWN.

LEGEND

- EXISTING PROPERTY LINE
- EXISTING OVERHEAD POWER
- EXISTING DRAINAGE PIPE
- EXISTING DITCH CENTERLINE
- EXISTING DITCH TOP
- EXISTING DITCH TOE
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING FENCE
- EXISTING CONCRETE PAVING
- EXISTING ASPHALT PAVING
- EXISTING SANITARY SEWER CLEANOUT
- EXISTING SANITARY SEWER MANHOLE
- EXISTING POWER POLE
- NEW DRAINAGE PIPE
- NEW DITCH CENTERLINE
- NEW DITCH TOP
- NEW DITCH TOE
- NEW FENCE
- NEW CONCRETE PAVING
- NEW GRAVEL LAY DOWN

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AREA "4" ENLARGED DRAINAGE PLAN

SCALE: 1" = 20'

NOTE:
FOR CIVIL SANITARY SEWER PLANS AND DETAILS RE: SHT. C3.0

NOTE:
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LAKE CHARLES PUBLIC WORKS
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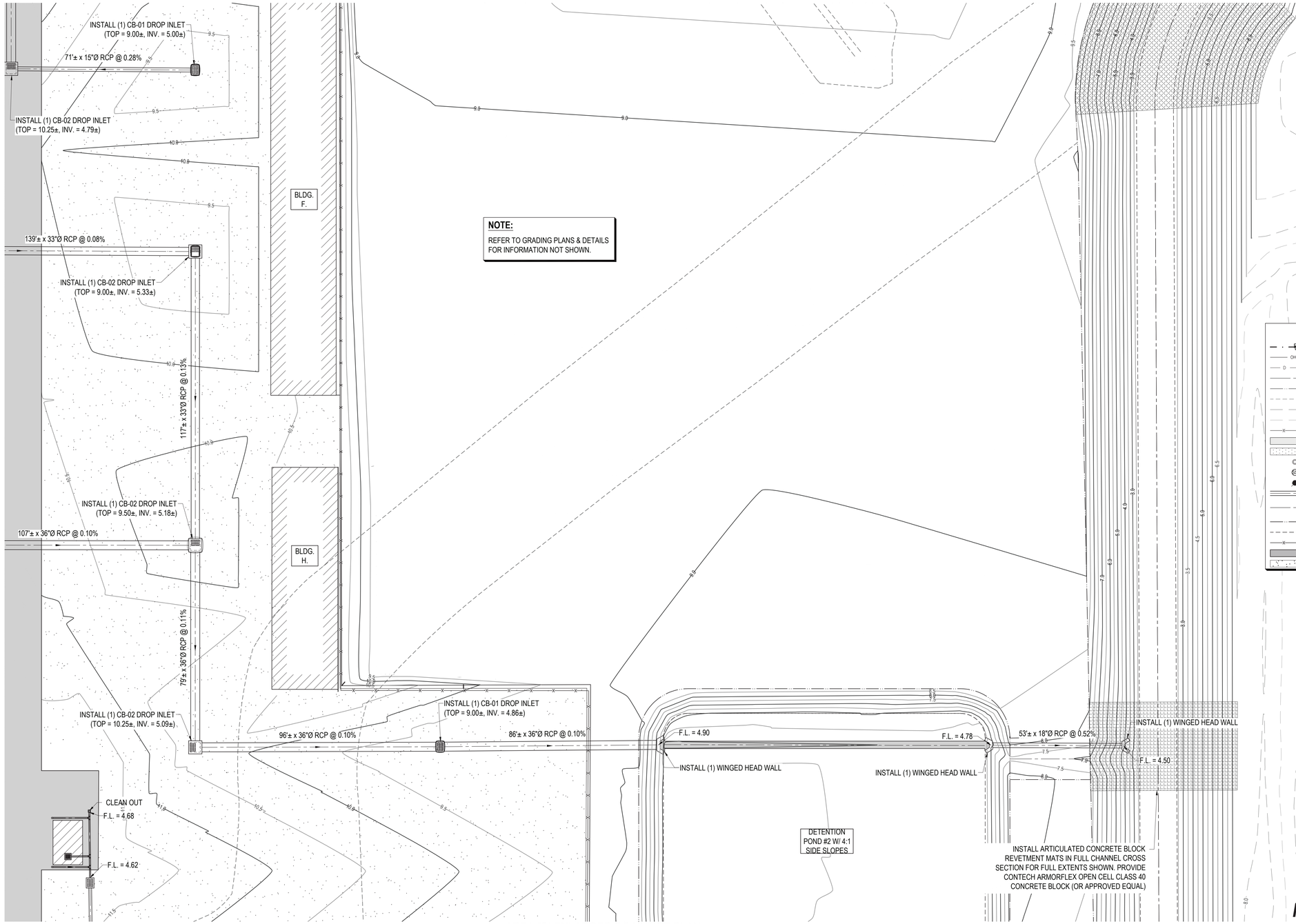
LAKE CHARLES, LA 70615

AREA "4" ENLARGED DRAINAGE PLAN

SHEET NO. C2.3

ARCH # 24009BA

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS



AREA "5" ENLARGED DRAINAGE PLAN

SCALE: 1" = 20'

NOTE:

REFER TO GRADING PLANS & DETAILS FOR INFORMATION NOT SHOWN.

CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND MUST NOTIFY LOUISIANA 811 BY CALLING **811** OR **1-800-272-3020** OR BY VISITING **LOUISIANA811.COM** AT LEAST TWO BUSINESS DAYS PRIOR TO COMMENCEMENT OF ANY WORK.

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LEGEND

- EXISTING PROPERTY LINE
- EXISTING OVERHEAD POWER
- EXISTING DRAINAGE PIPE
- EXISTING DITCH CENTERLINE
- EXISTING DITCH TOP
- EXISTING DITCH TOE
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING FENCE
- EXISTING CONCRETE PAVING
- EXISTING ASPHALT PAVING
- EXISTING SANITARY SEWER CLEANOUT
- EXISTING SANITARY SEWER MANHOLE
- EXISTING POWER POLE
- NEW DRAINAGE PIPE
- NEW DITCH CENTERLINE / POND FLOW LINE
- NEW DITCH/POND TOP
- NEW DITCH/POND TOE
- NEW FENCE
- NEW CONCRETE PAVING
- NEW GRAVEL LAY DOWN

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VER.	DATE	DESCRIPTION
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STATE OF LOUISIANA
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12/20/2025

Brossett Architect

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SHEET NO. C2.4

ARCH # 2400RA

LAKE CHARLES PUBLIC WORKS
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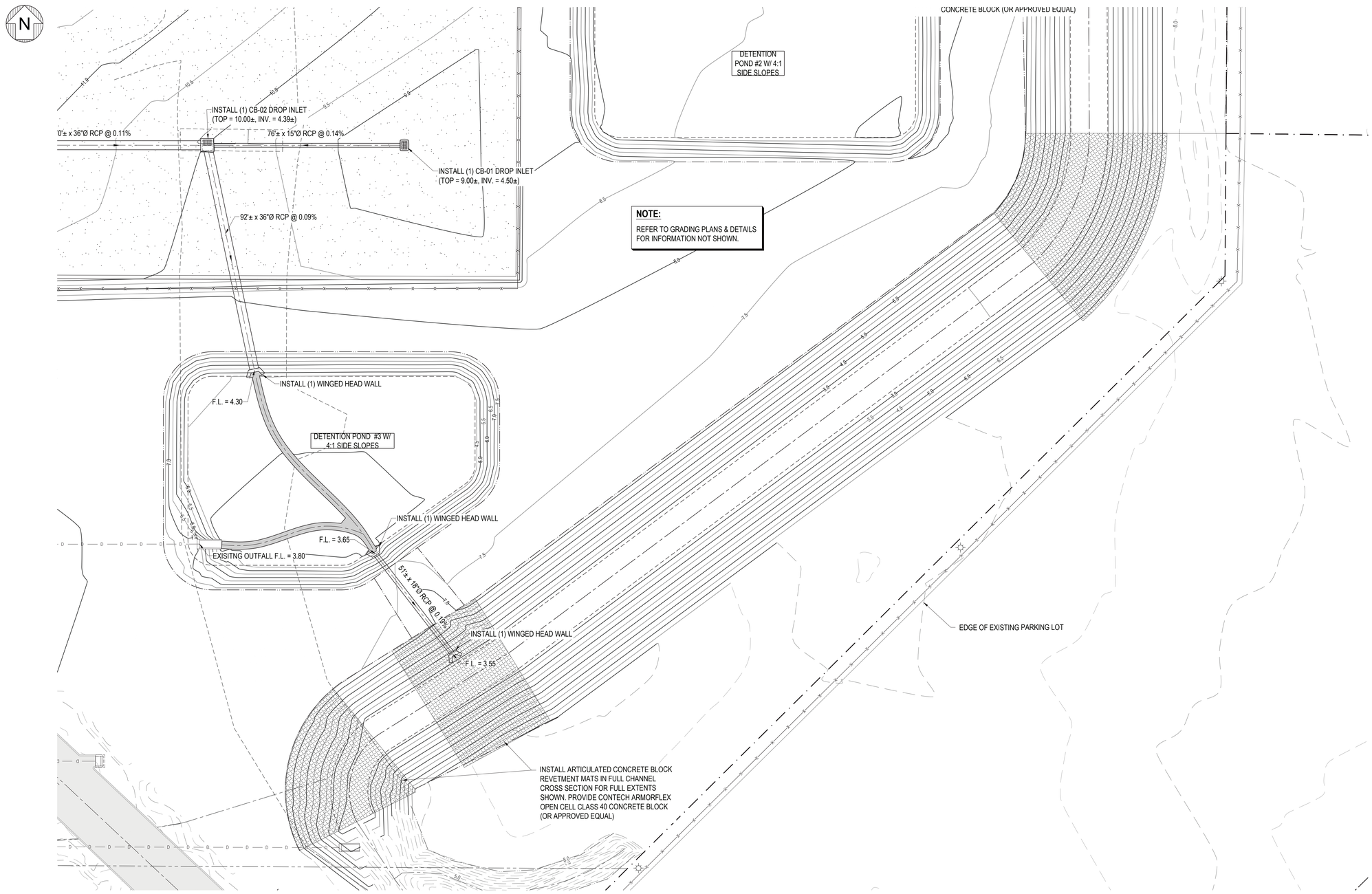
AREA "6" ENLARGED DRAINAGE PLAN



AREA "6" ENLARGED DRAINAGE PLAN

SCALE: 1" = 20'

LEGEND

- EXISTING PROPERTY LINE
- EXISTING OVERHEAD POWER
- EXISTING DRAINAGE PIPE
- EXISTING DITCH CENTERLINE
- EXISTING DITCH TOP
- EXISTING DITCH TOE
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING FENCE
- EXISTING CONCRETE PAVING
- EXISTING ASPHALT PAVING
- EXISTING SANITARY SEWER CLEANOUT
- EXISTING SANITARY SEWER MANHOLE
- EXISTING POWER POLE
- NEW DRAINAGE PIPE
- NEW DITCH CENTERLINE / POND FLOW LINE
- NEW DITCH/POND TOP
- NEW DITCH/POND TOE
- NEW FENCE
- NEW CONCRETE PAVING
- NEW GRAVEL LAY DOWN

CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND MUST NOTIFY LOUISIANA 811 BY CALLING **811** OR **1-800-272-3020** OR BY VISITING **LOUISIANA811.COM** AT LEAST TWO BUSINESS DAYS PRIOR TO COMMENCEMENT OF ANY WORK.

Louisiana 811
LOUISIANA811.COM

FOR CONSTRUCTION

peridian ENGINEERING SERVICES
700 PUJO ST. SUITE C
LAKE CHARLES, LA 70601
PES PROJECT NO. 24044
PHONE: 337.602.6097 WWW.PESERVICES.US

STATE OF LOUISIANA
NATHAN E. JORDAN
License. No. 33702
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
12/20/2025

Brossett Architect

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LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2

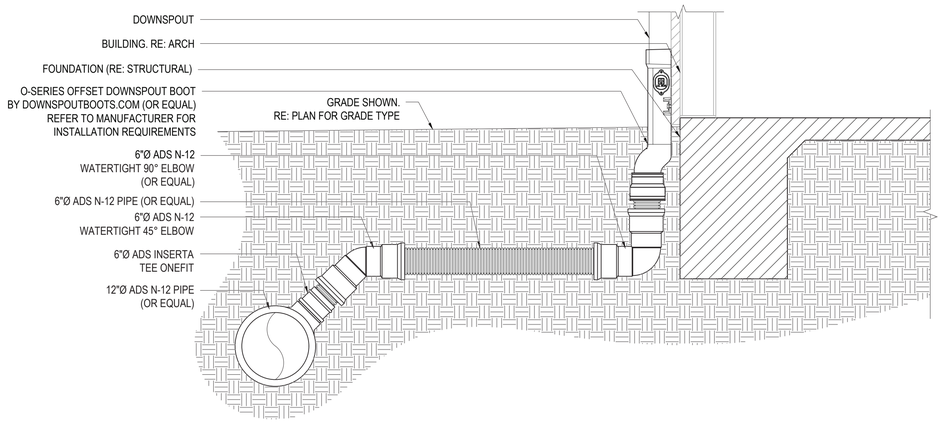
4200 BROAD STREET
LAKE CHARLES, LA 70615

AREA "6" ENLARGED DRAINAGE PLAN

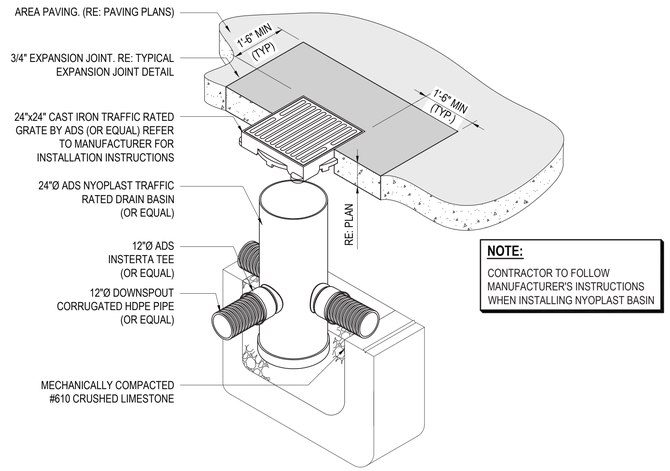
SHEET NO. C2.5

ARCH # 2400988A

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS

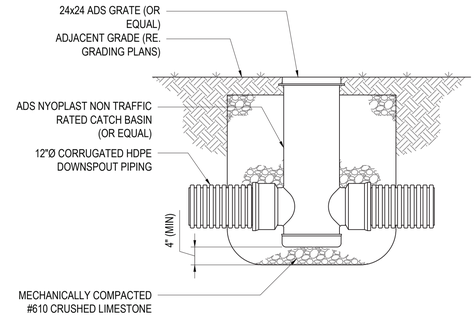


DETAIL "1"
DOWNSPOUT
SCALE: N.T.S.

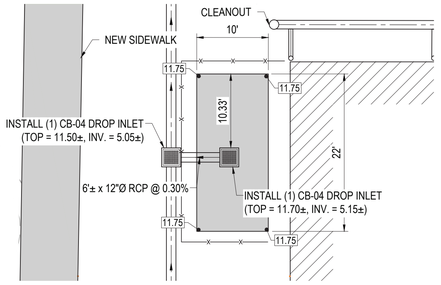


NOTE:
CONTRACTOR TO FOLLOW MANUFACTURER'S INSTRUCTIONS WHEN INSTALLING NYOPLAST BASIN

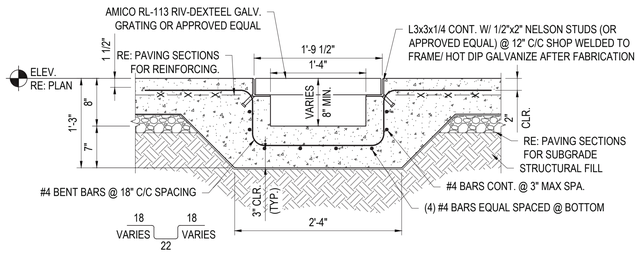
DETAIL "2"
TRAFFIC RATED NYOPLAST CATCH BASIN
SCALE: N.T.S.



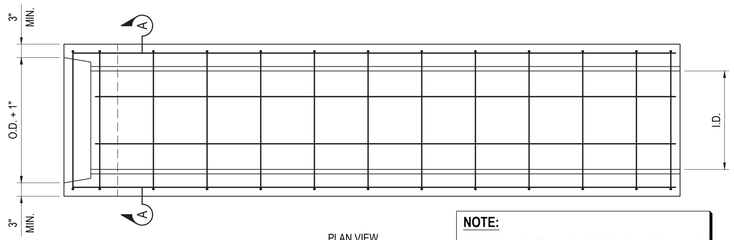
DETAIL "3"
NON-TRAFFIC NYOPLAST CATCH BASIN
SCALE: N.T.S.



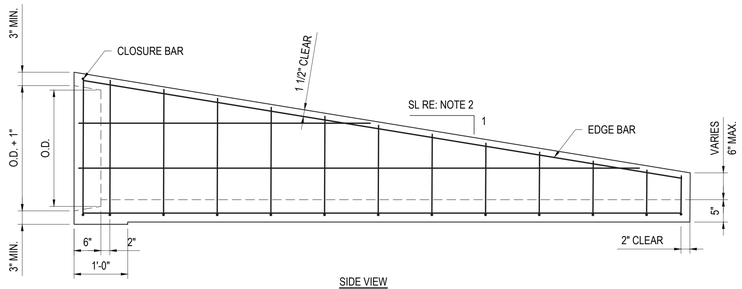
DETAIL "4"
HVAC PAD ENLARGED PLAN
SCALE: 1" = 10'



DETAIL "5"
TRENCH DRAIN SECTION
@ WASH HOUSE
SCALE: 1"= 1'-0"



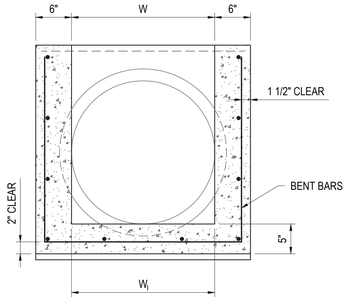
PLAN VIEW



SIDE VIEW

NOTE:
1. RCP BELL ENDS WHICH EXCEED THE NORMAL PIPE OUTSIDE DIAMETER (O.D.) SHALL BE REMOVED.
2. PIPE CONNECTIONS SHALL BE SEALED WITH FLEXIBLE JOINT SEALANT.
3. EXPOSED CORNERS MAY BE CHAMFERED 3/4".

DETAIL "6"
PRECAST PRE-ENGINEERED SAFETY END TREATMENT
SCALE: N.T.S.



SECTION "A-A"
MAX. DIFFERENCE, W-W=1"

GENERAL NOTES:

1. WHILE A RCP CULVERT IS DETAILED, THIS SAFETY END SHALL ALSO BE USED WITH RCPA, CMP, CMPA, AND RCB CULVERTS. MULTIPLE CULVERTS REQUIRE MULTIPLE SAFETY ENDS.
2. SLOPE OF SAFETY END WALLS (S:1) SHALL MATCH THE REQUIRED SIDESLOPE. IF NO SIDESPLOPE IS GIVEN, A SLOPE OF 6:1 SHALL BE REQUIRED.
3. THE SAFETY END SHALL BE PRECAST CONCRETE UNITS AND SHALL BE IN ACCORDANCE WITH SECTION 702 OF THE LA DOTD STANDARD SPECIFICATIONS.
4. CONCRETE TO BE CLASS A1 AND REINFORCING STEEL TO BE #4 GRADE 60.
5. REINFORCING STEEL AT 9" MAXIMUM CENTERS.

NOTES:

MAX. PIPE SIZES: 24" RCP
24" CMP
18" Eq. RCPA
18" Eq. CMPA

FOR CONSTRUCTION

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LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2
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LAKE CHARLES, LA 70615
MISC. DRAINAGE SECTIONS & DETAILS

SHEET NO. C2.6
ARCH # 24009BA

VER.	DATE	DESCRIPTION
0	12/02/2025	FOR PERMITTING

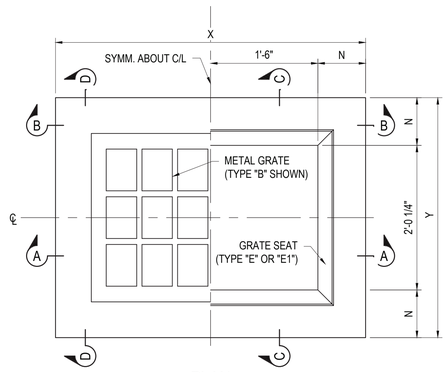
CATCH BASIN DIMENSIONS			
D	N	X	Y
FT.	IN.	FT. - IN.	FT. - IN.
0 - 8	7	4 - 2	3 - 2 1/4
8.1 - 12	8	4 - 4	3 - 4 1/4

NOTE:

GRATE SHALL BE TYPE "B" OR "C".

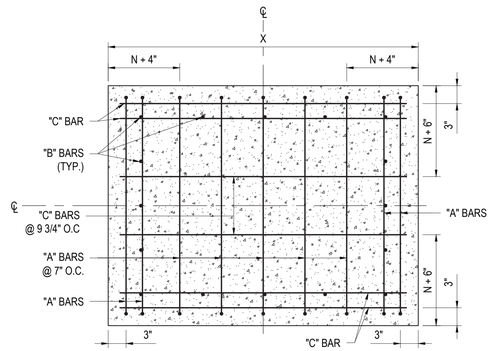
TYPE "B" GRATE SHALL BE USED WITH TYPE "E" FRAME WHERE NO PEDESTRIAN TRAFFIC IS EXPECTED.

TYPE "C" GRATE SHALL BE USED WITH TYPE "E1" FRAME WHERE PEDESTRIAN TRAFFIC IS EXPECTED.



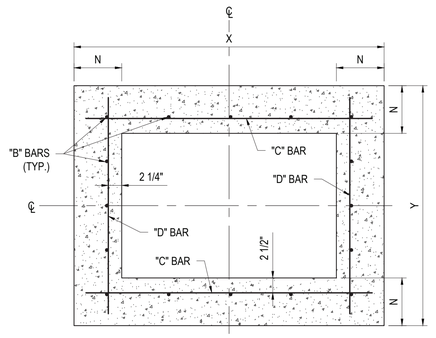
PLAN

NOT TO SCALE



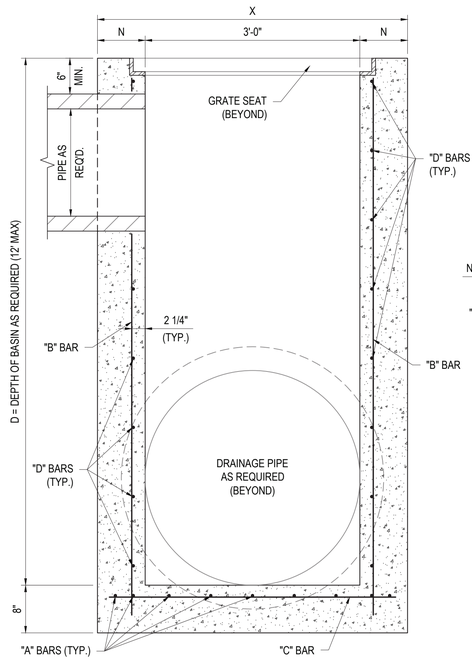
HORIZONTAL SECTION - THROUGH BOTTOM SLAB

NOT TO SCALE



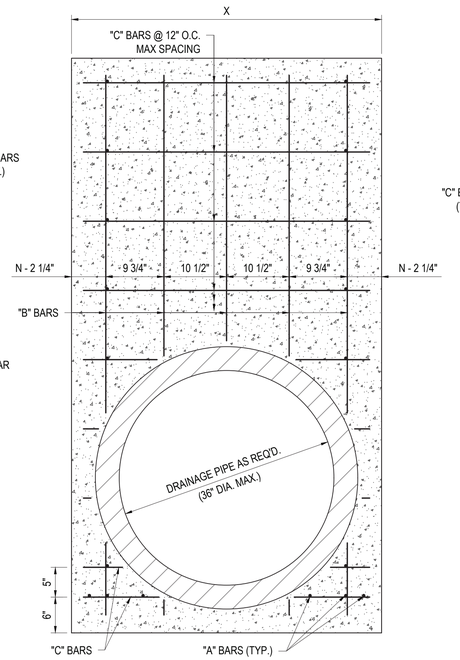
HORIZONTAL SECTION - TYPICAL

NOT TO SCALE



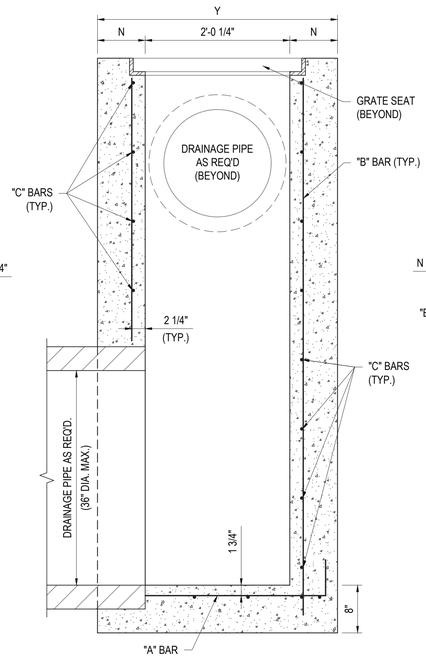
SECTION "A-A"

NOT TO SCALE



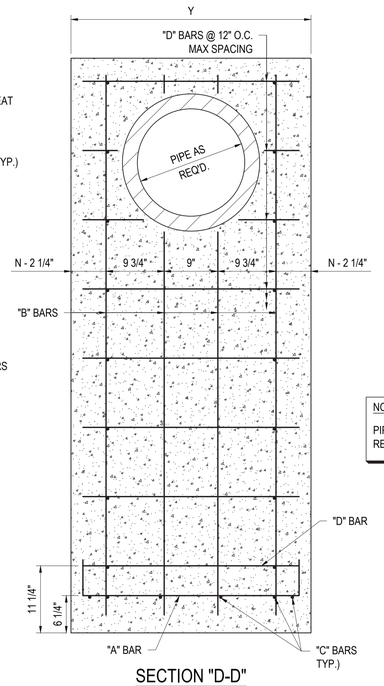
SECTION "B-B"

NOT TO SCALE



SECTION "C-C"

NOT TO SCALE



SECTION "D-D"

NOT TO SCALE

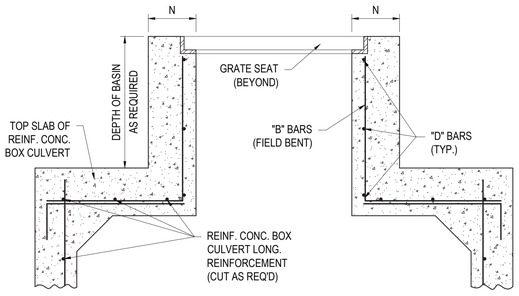
NOTE:

PIPE SIZE AND LOCATION VARY. CUT REINFORCING STEEL TO CLEAR AS REQUIRED.

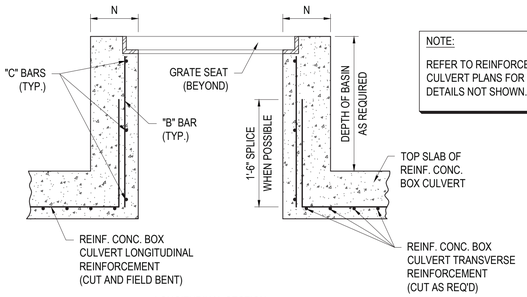
REBAR SCHEDULE			
BAR DESIG.	SIZE	BAR LENGTH	BENT SHAPE
"A" BAR	#4	BENT BAR	Y - 4" / 6" [ ] 6"
"B" BAR	#4	D - 5 1/2"±	N/A
"C" BAR	#4	X - 4"	N/A
"D" BAR	#4	Y - 4"	N/A

GENERAL NOTES:

1. SECTION 702 OF THE CURRENT DOTD STANDARD SPECIFICATIONS SHALL APPLY.
2. DIMENSIONS RELATING TO REINFORCING STEEL ARE TO BAR CENTERS.
3. VERTICAL REINFORCING STEEL MAY BE SPLICED, SPLICE LENGTH IS 35 BAR DIAMETERS MINIMUM.
4. FOR DETAILS OF GRATE AND SEAT, SEE SHEET C2.9



TRANSVERSE SECTION



LONGITUDINAL SECTION

CATCH BASIN USED WITH REINF CONC. BOX CULVERT

NOT TO SCALE

NOTE:

REFER TO REINFORCED CONCRETE BOX CULVERT PLANS FOR REINFORCEMENT DETAILS NOT SHOWN.

FOR CONSTRUCTION

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12/20/2025

Brossett Architect

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LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2
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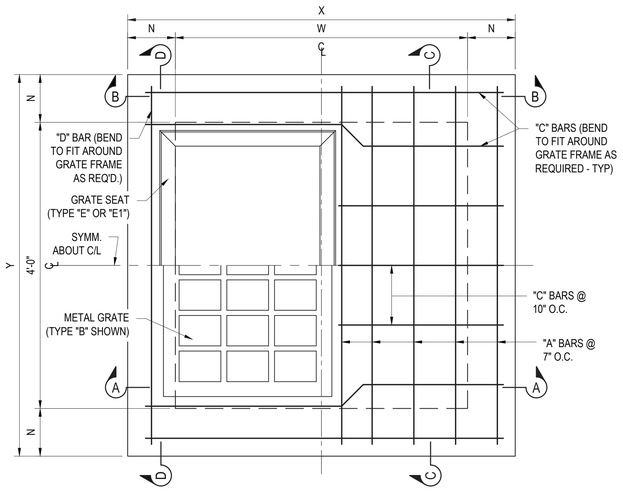
LAKE CHARLES, LA 70615

CB-01 STANDARD DETAILS

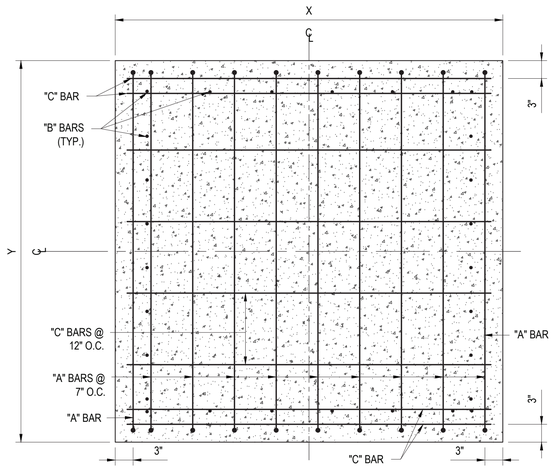
SHEET NO. C2.7

ARCH # 24009BA

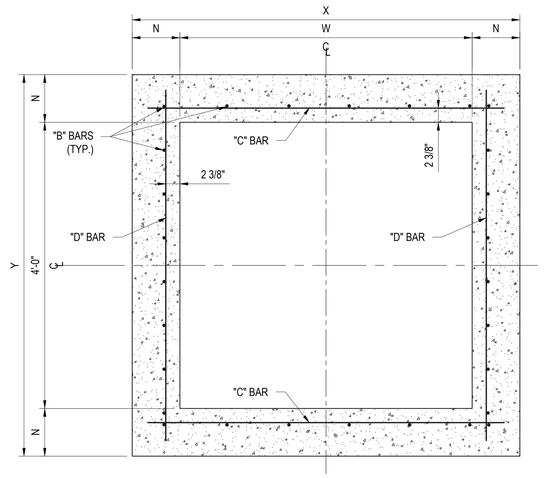
VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS



PLAN
NOT TO SCALE



HORIZONTAL SECTION - THROUGH BOTTOM SLAB
NOT TO SCALE



HORIZONTAL SECTION - TYPICAL
NOT TO SCALE

GENERAL NOTES:

1. SECTION 702 OF THE CURRENT DOTD STANDARD SPECIFICATIONS SHALL APPLY.
2. DIMENSIONS RELATING TO REINFORCING STEEL ARE TO BAR CENTERS.
3. VERTICAL REINFORCING STEEL MAY BE SPLICED, SPLICE LENGTH IS 35 BAR DIAMETERS MINIMUM.
4. FOR DETAILS OF GRATE AND SEAT, SEE SHEET C2.9.
5. SEE PLANS FOR TYPE OF GRATE TO BE USED FOR EACH CATCH BASIN.

NOTE:

GRATE SHALL BE TYPE "B" OR "C".

TYPE "B" GRATE SHALL BE USED WITH TYPE "E" FRAME WHERE NO PEDESTRIAN TRAFFIC IS EXPECTED.

TYPE "C" GRATE SHALL BE USED WITH TYPE "E1" FRAME WHERE PEDESTRIAN TRAFFIC IS EXPECTED.

NOTE:

PIPE SIZE AND LOCATION VARY. CUT REINFORCING STEEL TO CLEAR AS REQUIRED.

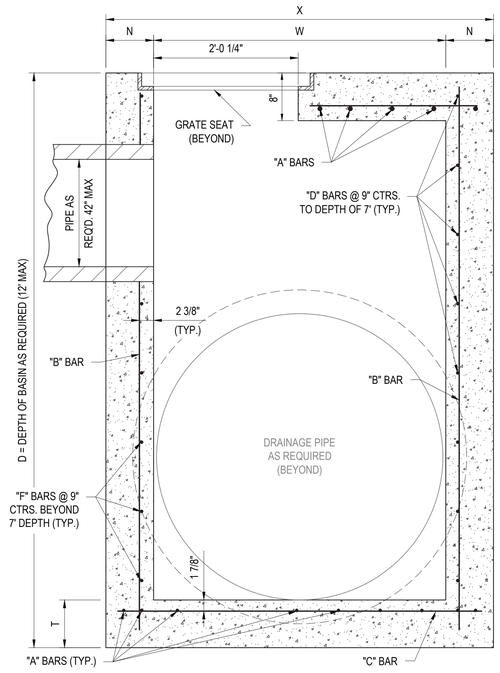
CATCH BASIN DIMENSIONS

TRUNK PIPE	DEPTH TO 8'					DEPTH 8' TO 12'				
	N	T	W	X	Y	N	T	W	X	Y
INCH	INCH	INCH	FT-IN	FT-IN	FT-IN	INCH	INCH	FT-IN	FT-IN	FT-IN
42	7	9	4 - 3	5 - 5	5 - 2	8	9	4 - 3	5 - 7	5 - 4
48	7	9	4 - 10	6 - 0	5 - 2	8	9	4 - 10	6 - 2	5 - 4
54	7	9	5 - 5	6 - 7	5 - 2	8	9	5 - 5	6 - 9	5 - 4
60	7	10	6 - 0	7 - 2	5 - 2	8	10	6 - 0	7 - 4	5 - 4
66	7	10	6 - 7	7 - 9	5 - 2	8	10	6 - 7	7 - 11	5 - 4
72	7	10	7 - 2	8 - 4	5 - 2	8	10	7 - 2	8 - 6	5 - 4

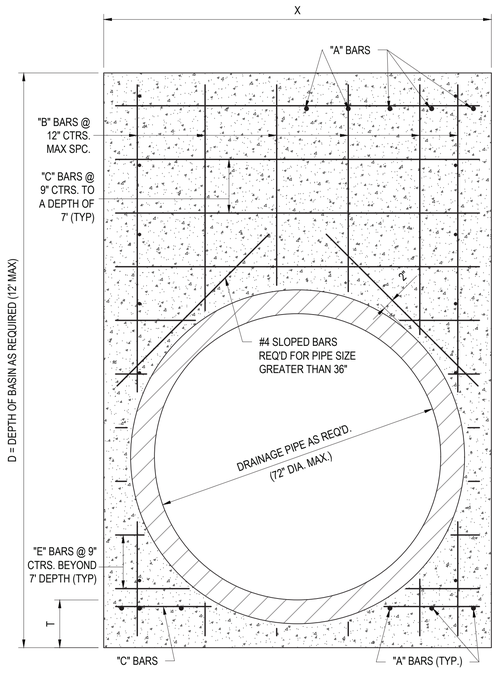
NOTE: "X" AND "W" DIMENSIONS MAY BE VARIED FOR SKEWED PIPE, BUT "W" SHALL NOT EXCEED 7'-2".

REBAR SCHEDULE

BAR DESIG.	SIZE	BAR LENGTH	BENT SHAPE
"A" BAR	#6	BENT BAR	Y - 4" / 6" [ ] 6"
"B" BAR	#4	D - 5 1/2"±	N/A
"C" BAR	#4	X - 4"	N/A
"D" BAR	#4	Y - 4"	N/A
"E" BAR	#5	X - 4"	N/A
"F" BAR	#5	Y - 4"	N/A



SECTION "A-A"
NOT TO SCALE



SECTION "B-B"
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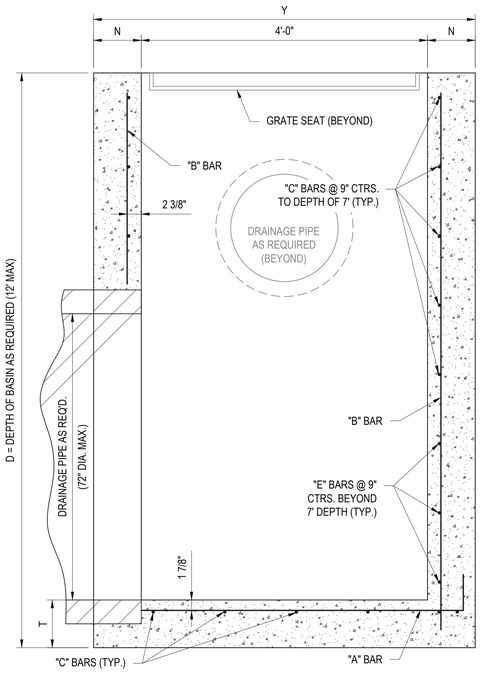

SECTION "C-C"
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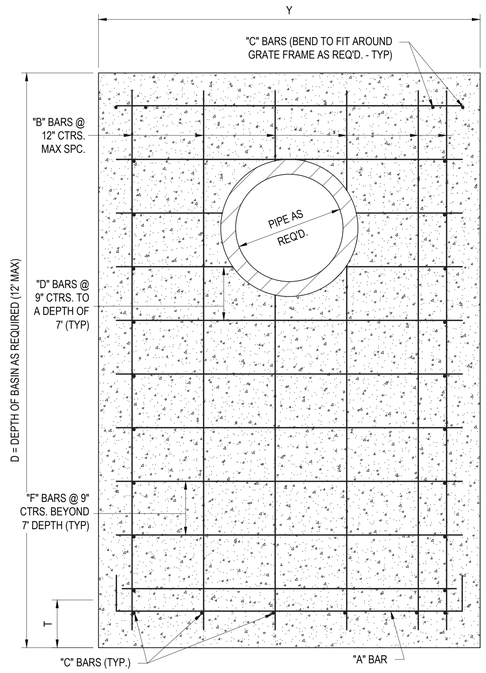

SECTION "D-D"
NOT TO SCALE

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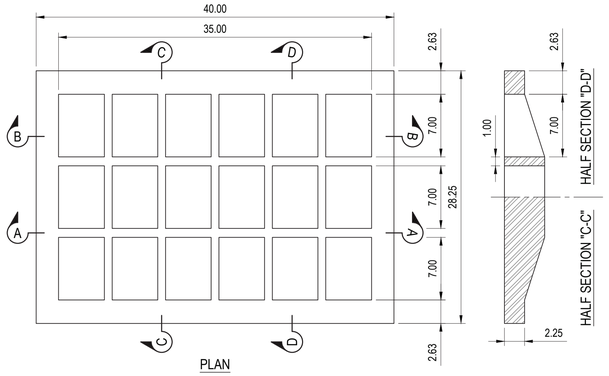
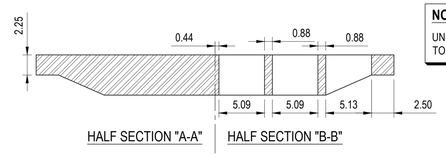
CB-02 STANDARD DETAILS

SHEET NO. C2.8

ARCH # 24009BA

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS



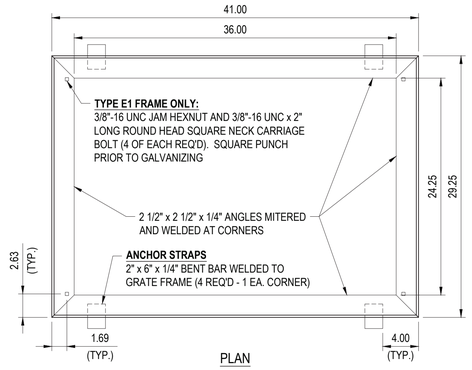


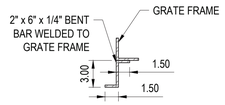
NOTE:

UNLESS NOTED OTHERWISE, THIS GRATE TO BE USED WITH TYPE "E" FRAME.

TYPE "B" CAST IRON GRATE

NOT TO SCALE





ANCHOR STRAP DETAIL

NOTE:

GRATE FRAME TO BE GALVANIZED AFTER FABRICATION.

WEIGHT OF GRATE FRAME = 52 LBS.

NOTE:

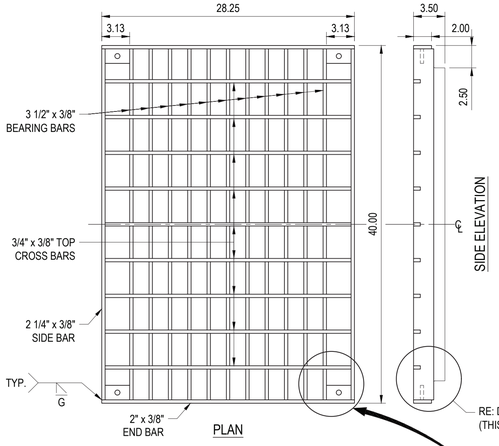
GRATE SHALL BE TYPE "B" OR "C".

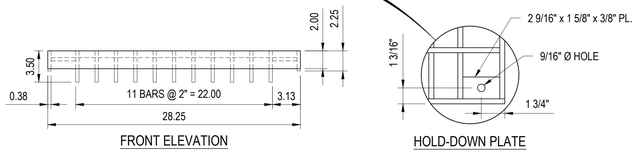
TYPE "B" GRATE SHALL BE USED WITH TYPE "E" FRAME WHERE NO PEDESTRIAN TRAFFIC IS EXPECTED.

TYPE "C" GRATE SHALL BE USED WITH TYPE "E1" FRAME WHERE PEDESTRIAN TRAFFIC IS EXPECTED.

TYPE "E" OR "E1" STEEL GRATE FRAME

NOT TO SCALE





NOTES:

GRATES TO BE GALVANIZED AFTER FABRICATION.

UNLESS OTHERWISE STATED, TYPE "E1" GRATE FRAME IS TO BE USED WITH THESE GRATES.

SUPPLIER OF GRATE SHALL ALSO FURNISH PRE-FITTED GRATE FRAME.

WELDED & SEALED DRAIN GRATE:

ALL JOINTS FULL DEPTH 1/4" FILLET WELDS WITH SEAL WELDS TOP AND BOTTOM UNLESS NOTED OTHERWISE.

ALL BEARING BARS TO BE SET FLUSH ON GRATE FRAME.

WEIGHT OF DRAIN GRATE = 233 LBS ± 5%

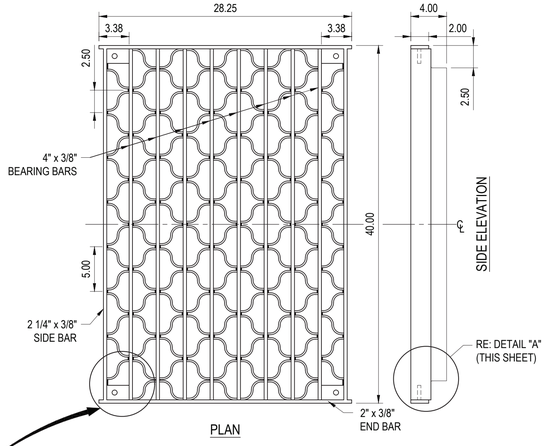
RIVETED RETICULINE DRAIN GRATE (ALTERNATE):

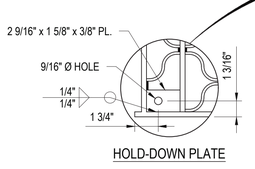
ALL JOINTS FULL DEPTH 1/4" FILLET WELDS WITH SEAL WELDS TOP AND BOTTOM UNLESS NOTED OTHERWISE.

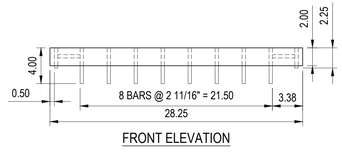
ALL BEARING BARS TO BE SET FLUSH ON GRATE FRAME.

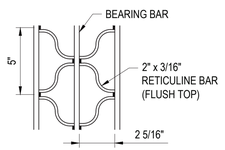
CENTER TO CENTER OF BEARING BARS EQUAL 2 5/16" PLUS BEARING BAR THICKNESS.

WEIGHT OF DRAIN GRATE = 266 LBS ± 5%

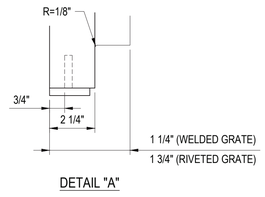








DRAIN GRATE DETAIL



DETAIL "A"

TYPE "C" STEEL DRAIN GRATE

NOT TO SCALE

FOR CONSTRUCTION

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PES PROJECT NO. 24044
PHONE 337.602.6097 WWW.PESERVICES.US

STATE OF LOUISIANA
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12/20/2025

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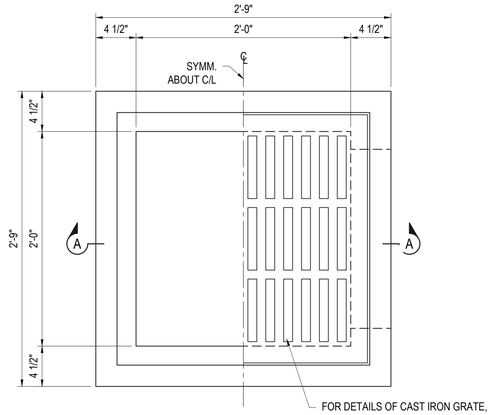
LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2
4200 BROAD STREET
LAKE CHARLES, LA 70615

CB-01 AND CB-02 GRATES

SHEET NO. C2.9

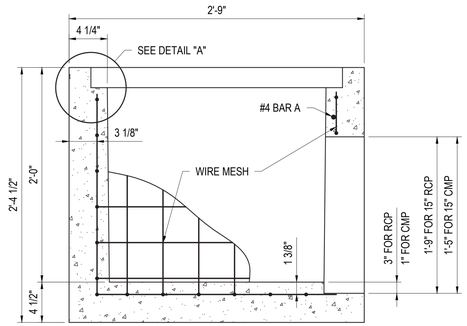
ARCH # 24009BA

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS



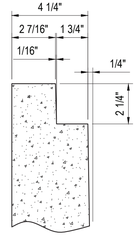
CB-04 PLAN

SCALE: 1-1/2" = 1'-0"
(WEIGHT = 1200 LBS)



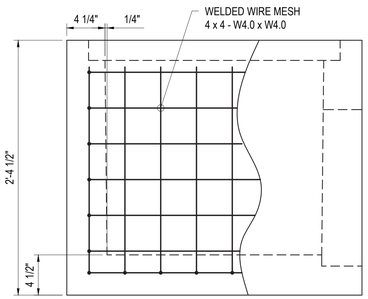
SECTION "A-A"

SCALE: 1-1/2" = 1'-0"



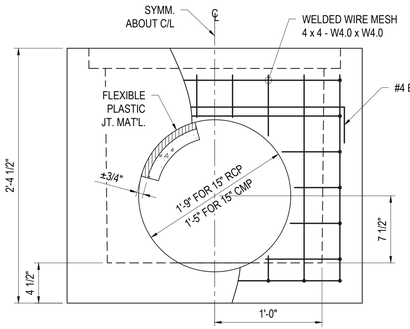
DETAIL "A"

SCALE: 3" = 1'-0"
ALL DIMENSIONS TYPICAL



ELEVATION

SCALE: 1-1/2" = 1'-0"



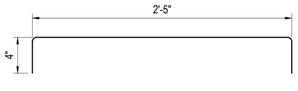
ELEVATION @ PIPE END

SCALE: 1-1/2" = 1'-0"

NOTE:

4 1/2" UNIFORM WALLS MAY BE USED AT SUPPLIER'S OPTION.

NOT TO BE USED WHERE SUBJECT TO VEHICULAR TRAFFIC.

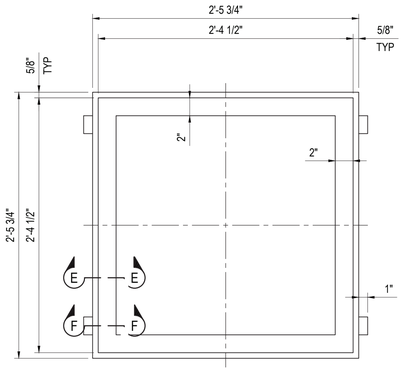


#4 BAR A

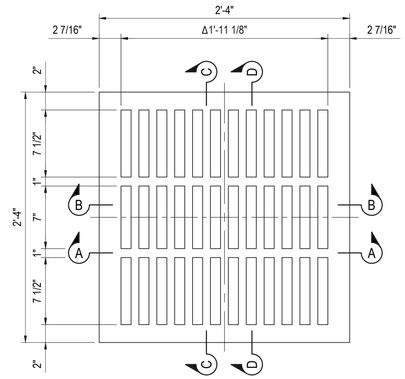
SCALE: 1-1/2" = 1'-0"

GENERAL NOTES:

1. ALL CONCRETE TO COMPLY WITH PROJECT SPECIFICATIONS (MINIMUM LADOTD CLASS "P" EQUIVALENT).
2. SETTING TOLERANCE TO BE + 0.8", - 1".
3. WELDED WIRE MESH TO BE OVERLAPPED A MINIMUM OF 3" FOR SPLICE.
4. OPENING TO MATCH TYPE OF PIPE SPECIFIED ON PLAN/PROFILE OR SUMMARY OF DRAINAGE STRUCTURES
5. THE MANUFACTURER SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ALL PICK-UP AND HANDLING DEVICES.
6. AFTER PLACEMENT OF PIPE, THE OPENING AROUND PIPE SHALL BE FILLED WITH FLEXIBLE PLASTIC JOINT MATERIAL.
7. DIMENSIONS RELATING REINFORCING STEEL ARE TO BAR CENTERS.

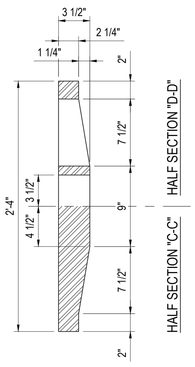


PLAN OF CAST IRON FRAME



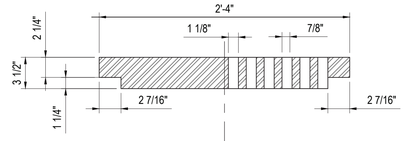
PLAN OF CAST IRON GRATE

Δ 1'-11 1/8" = 12 OPENINGS @ 1 1/8" WITH 11 BARS @ 7/8".



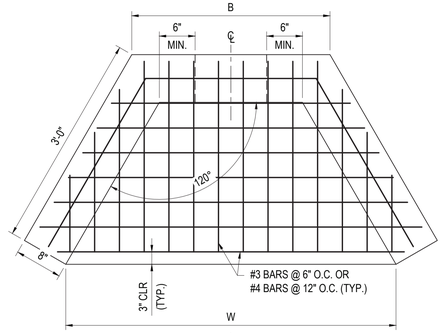
NOTES:

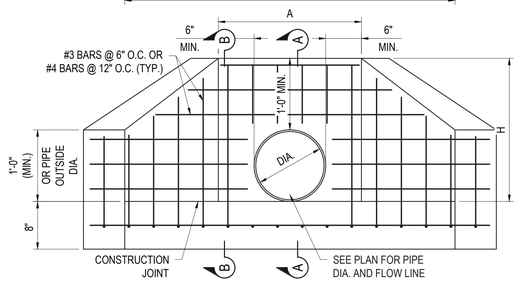
1. WEIGHT OF CAST IRON GRATE = 334 LBS
2. WEIGHT OF CAST IRON FRAME = 90 LBS



HALF SECTION "A-A" | HALF SECTION "B-B"

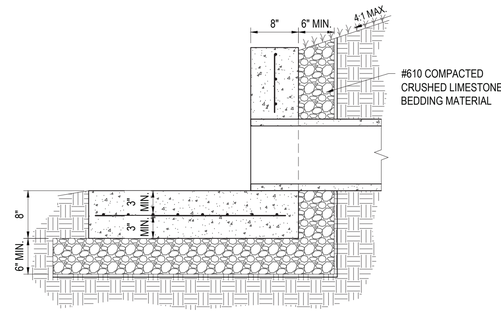
WINGED HEADWALL MINIMUM DIMENSIONS					
OPENING	OD	A	B	H	W
12"Ø	13.1"	25.1"	3'-5 1/8"	2'-1 1/8"	5'-10 11/16"
15"Ø	15.3"	27.3"	4'-3/4"	2'-3/8"	5'-10 3/4"
24"Ø	24.8"	36.8"	4'-10"	3'-1"	6'-8 3/16"
30"Ø	31.1"	43.1"	4'-11 1/8"	3'-7 1/8"	7'-2 1/2"
36"Ø	37.1"	49.1"	5'- 5 1/8"	4'-1 1/8"	7'- 8 1/2"





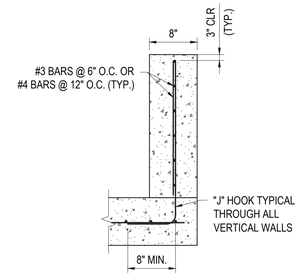
WINGED WALL STANDARD DETAIL

NOT TO SCALE



SECTION "A-A"

NOT TO SCALE



SECTION "B-B"

NOT TO SCALE

FOR CONSTRUCTION

peridian ENGINEERING SERVICES
700 PUJO ST. SUITE C
LAKE CHARLES, LA 70601
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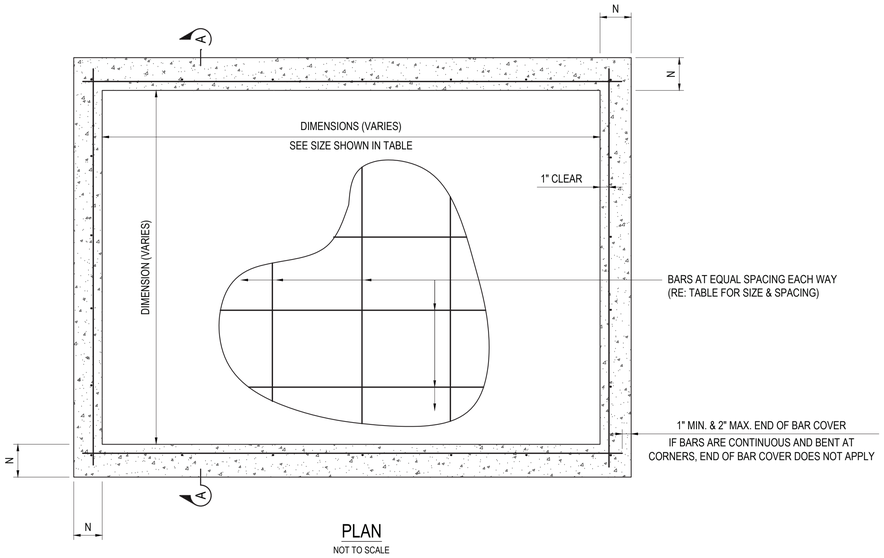
LAKE CHARLES, LA 70615

CAST IN PLACE CB-04 AND WINGED HEAD WALL STANDARD DETAILS

SHEET NO. C2.10

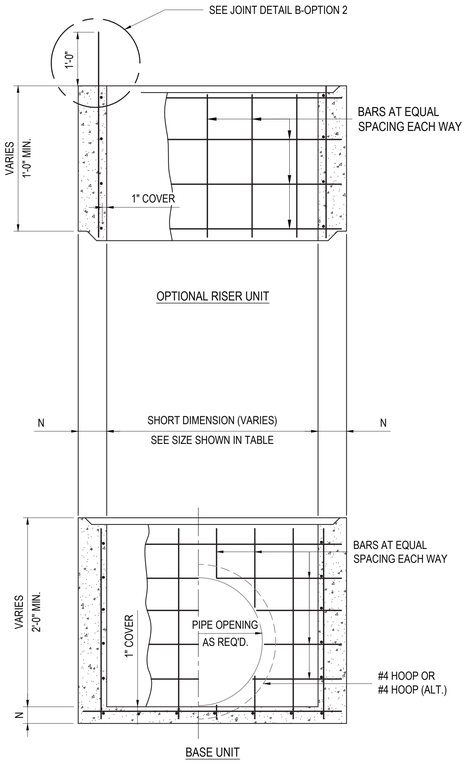
ARCH # 24009BA

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS



PLAN

NOT TO SCALE



SECTION "A-A"

NOT TO SCALE

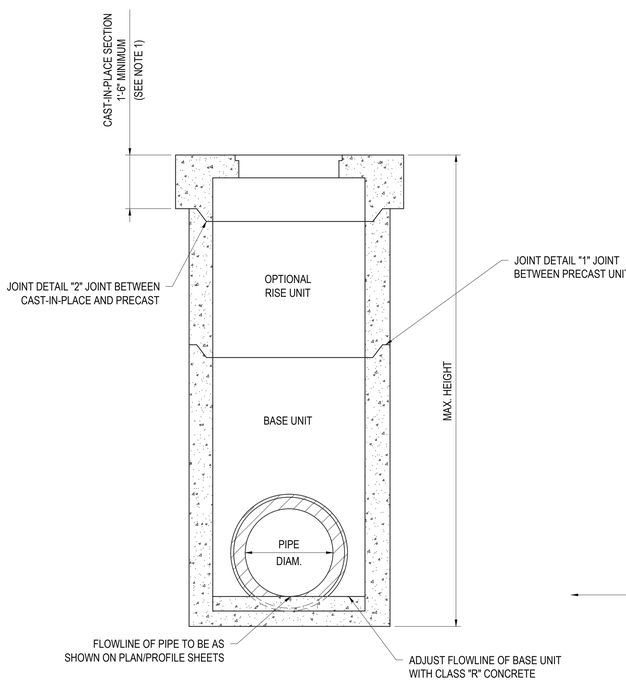
GENERAL NOTES:

1. PROVIDE PRECAST UNITS AS THE LOWER PORTION OF A COMPOSITE STRUCTURE. PROVIDE CAST-IN-PLACE CONCRETE (SEE APPROPRIATE STANDARD PLAN FOR REQUIRED REINFORCING AND DIMENSIONS) FOR THE TOP 1'-6" OF THE STRUCTURE AS FOLLOWS:
   a. CB-01,CB-02, CB-04, CB-05, AND MANHOLES MAY BE FULLY PRECAST IF THE STRUCTURES ARE NOT EXPOSED TO THE TRAFFIC LOADS; ELEVATIONS MUST BE FIELD VERIFIED PRIOR TO FABRICATION.
   b. CB-06, CB-07, CB-08, AND CB-09 STRUCTURES MUST HAVE THE TOP 18" CAST-IN-PLACE; ELEVATIONS MUST BE FIELD VERIFIED PRIOR TO FABRICATION.
2. DESIGN IS TO BE IN ACCORDANCE WITH THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, EIGHTH EDITION, 2017, AND THE LATEST LOUISIANA STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES.
3. FINISH CAST-IN-PLACE CONCRETE IN ACCORDANCE WITH OTHER STANDARD DETAILS.
4. FORM PIPE OPENINGS ONLY AS REQUIRED FOR INTERSECTING PIPES. PROVIDE OPENING DIMENSIONS TO ACCOMMODATE PIPE DIAMETER AND SKEW ANGLE. PROVIDE OPENING DIMENSION THAT IS 4 ± 1/2" LARGER THAN OUTSIDE PIPE DIMENSION.
5. RESILIENT CONNECTORS OR CONCRETE COLLARS ARE REQUIRED FOR CONNECTIONS OF ALL PIPE SIZES (EXCEPT YARD DRAIN PIPE AND UNDERDRAINS) WITH COST TO BE INCLUDED IN THE COST OF THE PRECAST STRUCTURE.

PRECAST UNITS FOR CATCH BASINS & MANHOLES

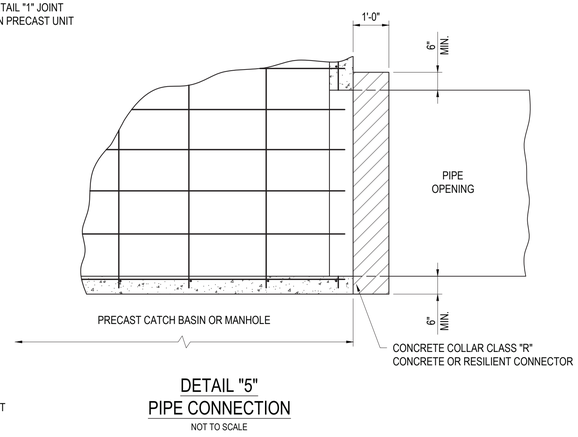
MAX. HEIGHT	N	4' MAX. DIMENSION			6' MAX. DIMENSION			8' MAX. DIMMENSION			10' MAX. DIMENSION		
		[1]TYPICAL SIZES — 3'X3' 4'X4'			[1]TYPICAL SIZES — 6'X4' 6'X6'			[1]TYPICAL SIZES — 8'X4' 8'X6' 8'X8'			[1]TYPICAL SIZES — 10'X4' 10'X6' 10'X8' 10'X10'		
FT.	IN.	BAR SIZE (#)	SPAC.[2] IN.	As[3] IN²/FT.	BAR SIZE (#)	SPAC.[2] IN.	As[3] IN²/FT.	BAR SIZE (#)	SPAC.[2] IN.	As[3] IN²/FT.	BAR SIZE (#)	SPAC.[2] IN.	As[3] IN²/FT.
8	4	4	6	0.40									
8	6	4	9	0.27	4	8	0.30	4	5.5	0.44	5	5.5	0.68
14	6	4	9	0.27	4	6	0.40	5	5	0.74	5	3.25	1.14
20	6	4	7	0.34	4	4.5	0.53						

1. OTHER SIZES ARE ACCEPTABLE AS LONG AS THE DIMENSIONS DO NOT EXCEED THE MAXIMUM DIMENSIONS.
2. BAR SPACING APPLIES TO BOTH DIRECTIONS AND AT ALL LOCATIONS.
3. BAR SIZES AND SPACING MAY DIFFER FROM VALUES SHOWN, BUT THE AREA OF STEEL (As) SHALL BE EQUAL TO OR GREATER THAN VALUE SHOWN, AND BAR SPACING SHALL NOT EXCEED 1.5 TIMES THE WALL THICKNESS. THE AREA OF STEEL (As) MAY BE PROVIDED WITH STEEL DEFORMED WELDED WIRE FABRIC.



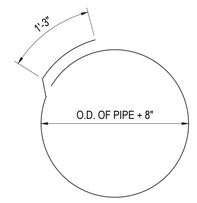
ELEVATION VIEW
TYPICAL COMPOSITE STRUCTURE

NOT TO SCALE



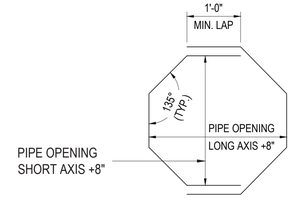
DETAIL "5"
PIPE CONNECTION

NOT TO SCALE



DETAIL"3"
#4 HOOP

NOT TO SCALE



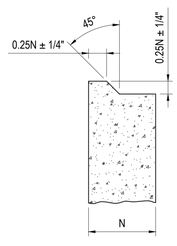
DETAIL"4"
#4 HOOP (ALT.)

NOT TO SCALE

NOTE:

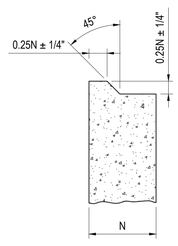
#4 HOOP MAY BE USED WHEN PIPE IS CIRCULAR AND CONNECTS TO THE CATCH BASIN AT ±90° ANGLE.

#4 HOOP (ALT.) SHALL BE USED FOR NON-CIRCULAR (ELLIPTICAL) PIPES AND ALL PIPES THAT ENTER THE CATCH BASIN AT A SKEWED ANGLE.



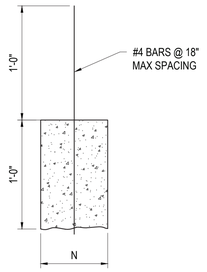
DETAIL "1"
PRECAST/PRECAST JOINT

NOT TO SCALE



DETAIL "2" - OPTION A
CAST-IN-PLACE/PRECAST JOINT

NOT TO SCALE



DETAIL "2" - OPTION B
CAST-IN-PLACE/PRECAST JOINT

NOT TO SCALE

NOTE:

FOR PRECAST/PRECAST JOINTS, SEAL JOINTS WITH FLEXIBLE GASKET MATERIAL COMPLYING WITH ASTM C990. WRAP PRECAST JOINTS WITH GEOTEXTILE FABRIC MIN. 18" EACH SIDE OF JOINT.

NOTE:

IN JOINT DTL. "2", OPTION A & B, COAT PRECAST CONCRETE JOINT SURFACE AND A MAXIMUM OF 2" OF REINFORCING STEEL WITH TYPE V, GRADE 2 OR GRADE 3 EPOXY RESIN CONFORMING TO ASTM C881. APPLY EPOXY RESIN AND PLACE CONCRETE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

FOR CONSTRUCTION

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4200 BROAD STREET
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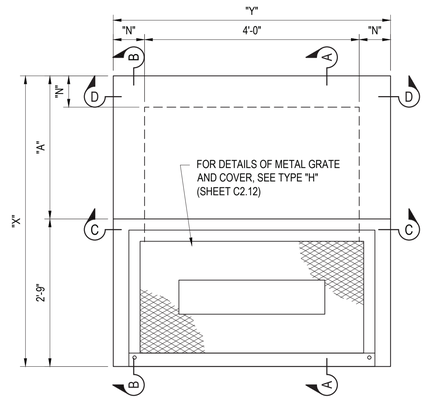
PRECAST CATCH BASIN STANDARD DETAILS

SHEET NO. C2.11

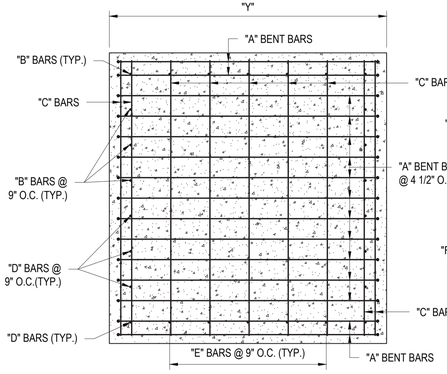
ARCH # 24009BA

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS



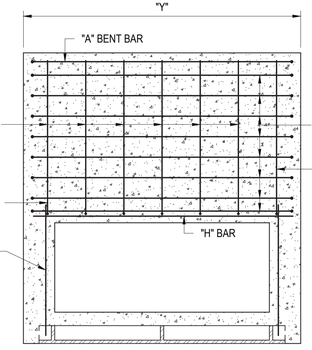
PLAN

NOT TO SCALE



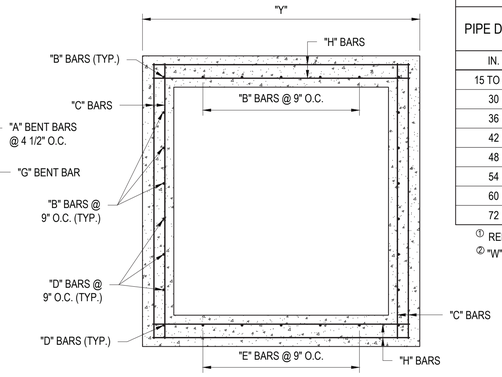
HORIZONTAL SECTION - THROUGH BOTTOM OF SLAB

NOT TO SCALE



HORIZONTAL SECTION - THROUGH TOP

NOT TO SCALE



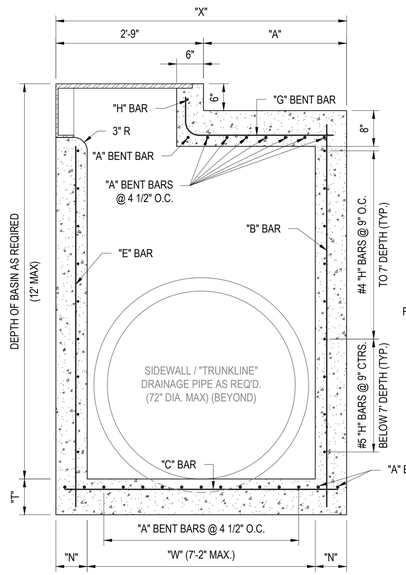
HORIZONTAL SECTION - TYPICAL

NOT TO SCALE

CATCH BASIN DIMENSIONS									
PIPE DIA.①	W②	T	DEPTH LESS THAN 8'				DEPTH FROM 8' TO 12'			
			X	Y	N	A	X	Y	N	A
IN.	FT. - IN.	IN.	FT. - IN.	FT. - IN.	IN.	FT. - IN.	FT. - IN.	FT. - IN.	IN.	FT. - IN.
15 TO 24	2 - 6	8	3 - 8	5 - 2	7	0 - 11	3 - 10	5 - 4	8	1 - 1
30	3 - 1	8	4 - 3	5 - 2	7	1 - 6	4 - 5	5 - 4	8	1 - 8
36	3 - 8	8	4 - 10	5 - 2	7	2 - 1	5 - 0	5 - 4	8	2 - 3
42	4 - 3	8	5 - 5	5 - 2	7	2 - 8	5 - 7	5 - 4	8	2 - 10
48	4 - 10	8	6 - 0	5 - 2	7	3 - 3	6 - 2	5 - 4	8	3 - 5
54	5 - 5	9	6 - 7	5 - 2	7	3 - 10	6 - 9	5 - 4	8	4 - 0
60	6 - 0	9	7 - 2	5 - 2	7	4 - 5	7 - 4	5 - 4	8	4 - 7
72	7 - 2	9	8 - 4	5 - 2	7	5 - 7	8 - 6	5 - 4	8	5 - 9

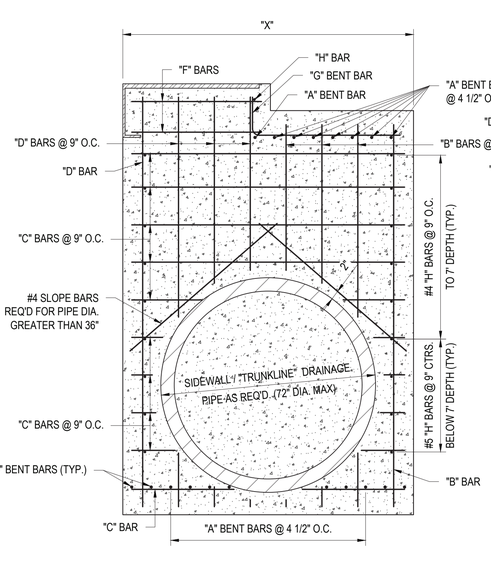
① REFERS TO SIDEWALL PIPE OR "TRUNKLINE". FRONTWALL OR "CROSSING PIPE" MAY NOT EXCEED 42".
② "W" AND "X" DIMENSIONS MAY BE VARIED FOR SKEWED PIPE, BUT "W" SHALL NOT EXCEED 7'-2".

REBAR SCHEDULE			
BAR DESIG.	SIZE	BAR LENGTH	BENT SHAPE
"A" BAR	#5	BENT BAR	Y - 4" (5" / 5")
"B" BAR	#4	D - 10"	N/A
"C" BAR	#4, #5	X - 4"	N/A
"D" BAR	#4	D - 4"	N/A
"E" BAR	#4	D - 8 1/2"±	N/A
"F" BAR	#4	2'-5"	N/A
"G" BAR	#4	BENT BAR	A + 2" / 8 1/2"
"H" BAR	#4, #5	Y - 4"	N/A



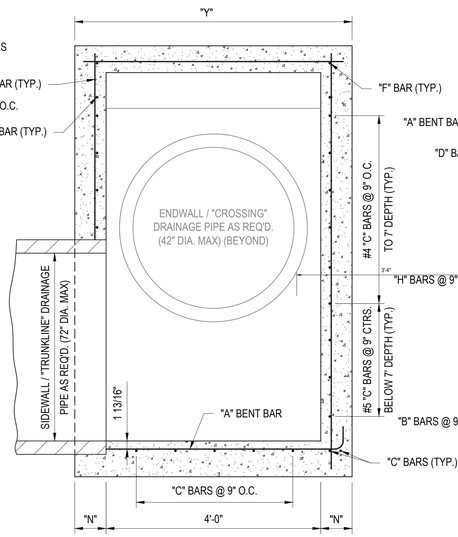
SECTION "A-A"

NOT TO SCALE



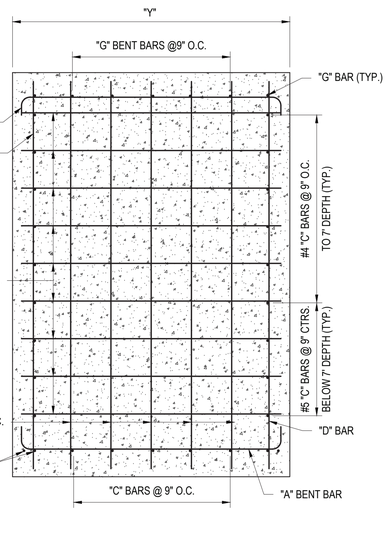
SECTION "B-B"

NOT TO SCALE



SECTION "C-C"

NOT TO SCALE



SECTION "D-D"

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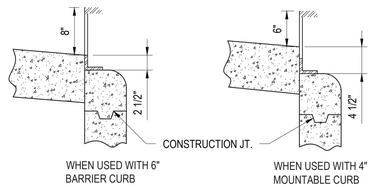
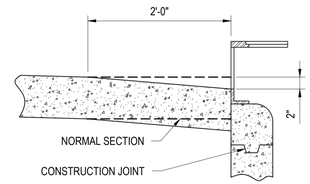


NOTE:
THE BASIN SHALL NOT BE CONSTRUCTED ABOVE BOTTOM OF PAVEMENT ELEVATION UNTIL THE PAVING ADJACENT TO THE BASIN IS IN PLACE

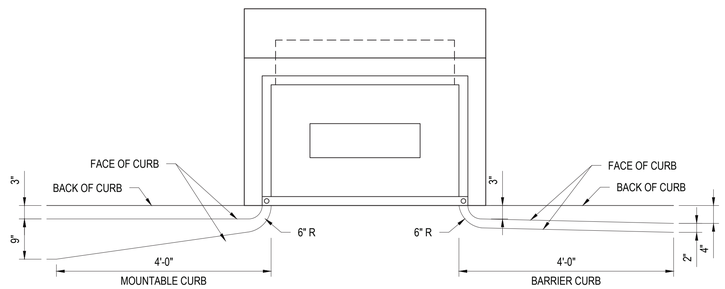
INLET CONFIGURATION

NOT TO SCALE



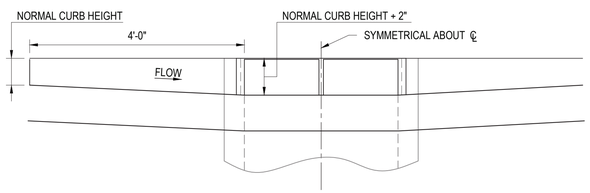
PAVEMENT GUTTER SECTION AT INLET

NOT TO SCALE



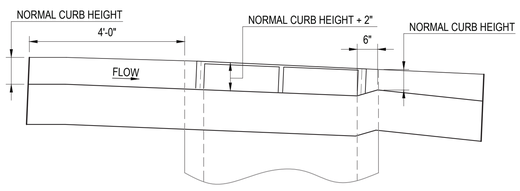
TYPICAL TRANSITION IN CURB WIDTH

NOT TO SCALE



TRANSITION IN CURB HEIGHT
CATCH BASIN AT LOW POINT

NOT TO SCALE



TRANSITION IN CURB HEIGHT
CATCH BASIN ON A GRADE

NOT TO SCALE

FOR CONSTRUCTION

peridian ENGINEERING SERVICES
700 PUJO ST. SUITE C
LAKE CHARLES, LA 70601
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12/20/2025

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LAKE CHARLES PUBLIC WORKS

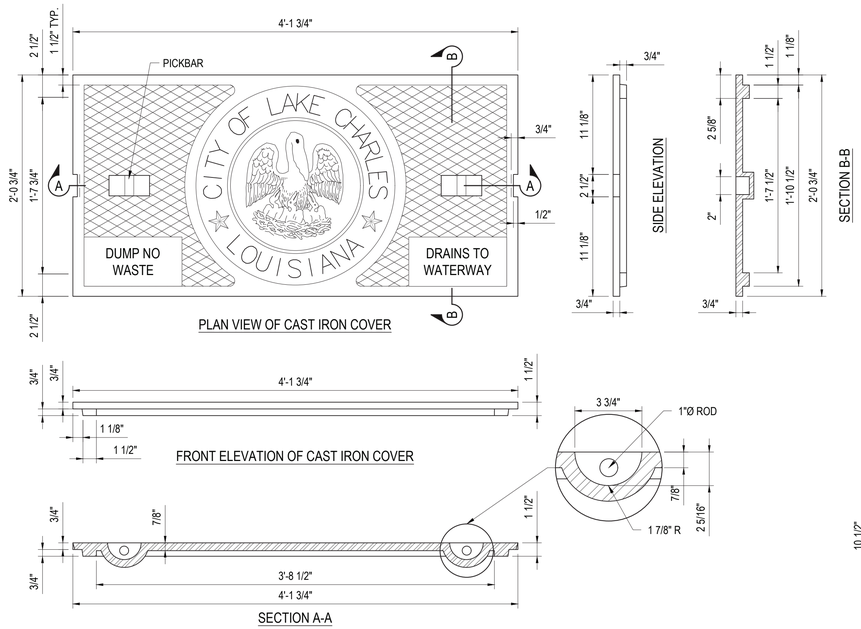
C2.12 NEW FACILITY PHASE 2
4200 BROAD STREET
LAKE CHARLES, LA 70615

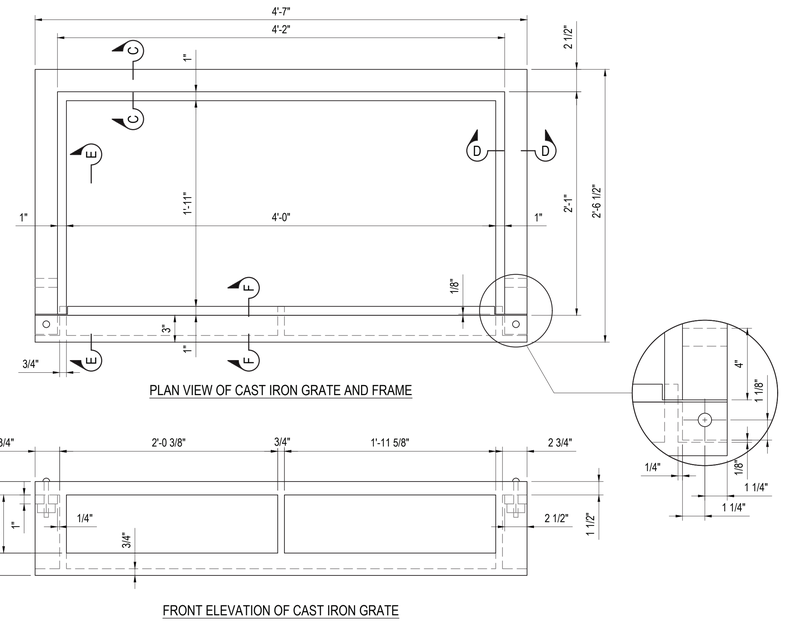
SHEET NO.

CB-06 STANDARD DETAILS

ARCH # 24009BA

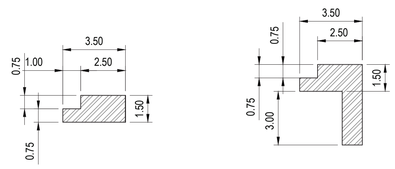
VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS



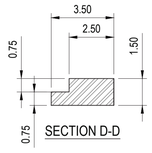


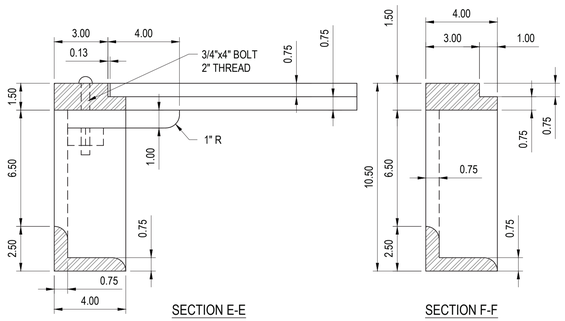
TYPE "H" AND "H1" GRATE AND FRAME DETAILS

NOT TO SCALE



SECTION C-C





FOR CONSTRUCTION

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LAKE CHARLES PUBLIC WORKS
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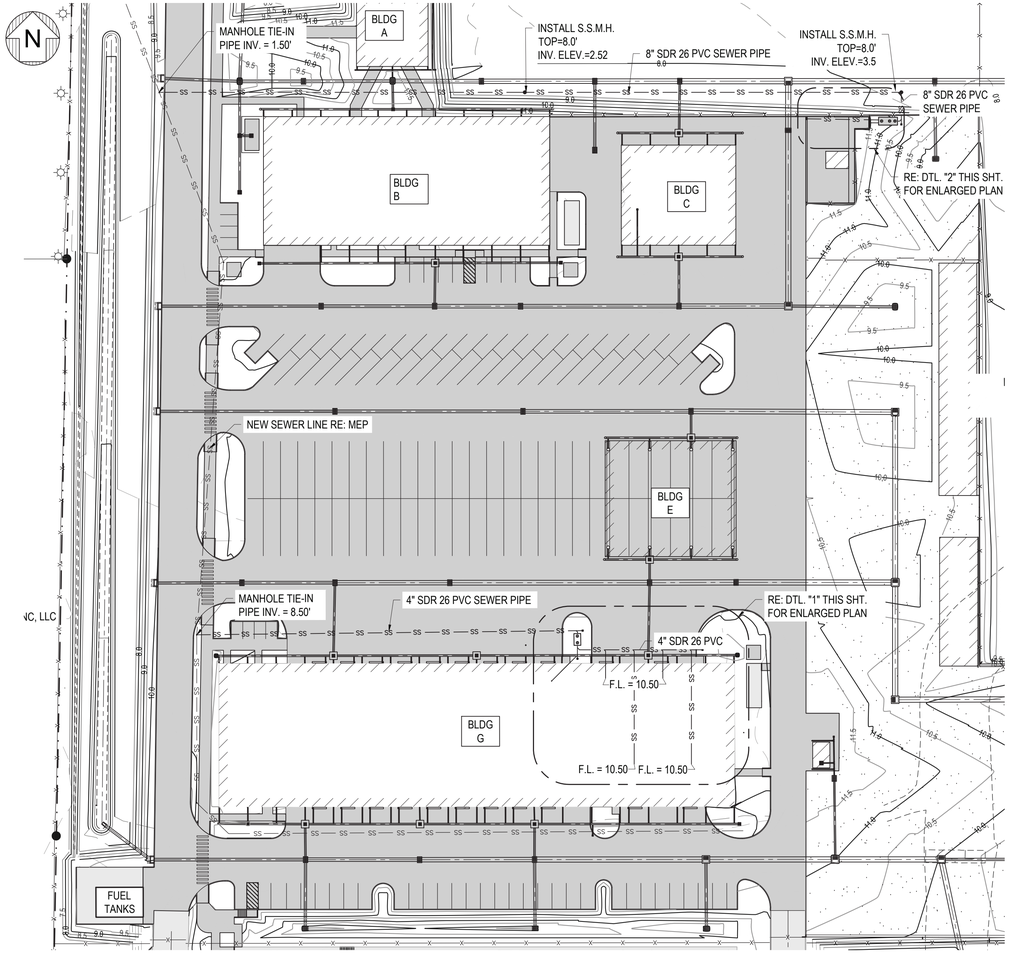
CB-06 GRATES

SHEET NO. C2.13

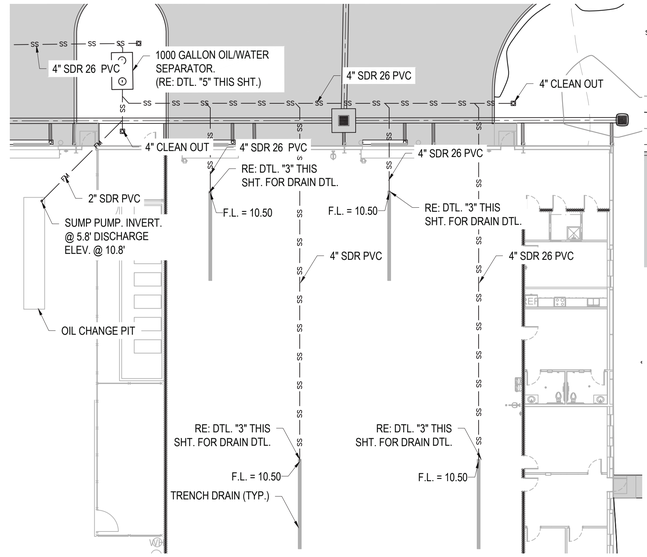
ARCH # 24009BA

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS



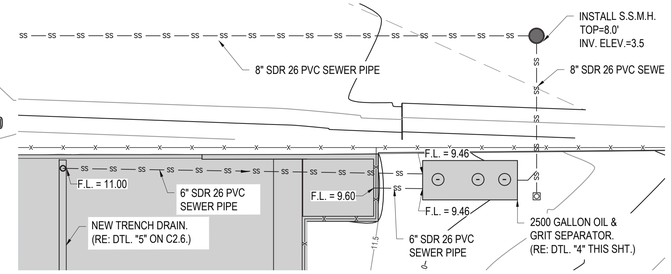
CIVIL SANITARY SEWER PLAN

SCALE: 1" = 50'



DETAIL "1"
ENLARGED PLAN @ VEHICLE
MAINTENANCE SHOP

SCALE: 1" = 16'



DETAIL "2"
ENLARGED PLAN @ WASH BAY

SCALE: 1" = 10'

NOTE:
COORDINATE DRAIN & PIPE INSTALLATIONS WITH ARCH & FOUNDATION DRAWINGS

NOTE:
REFER TO ARCHITECTURAL DRAWINGS FOR INFORMATION NOT SHOWN

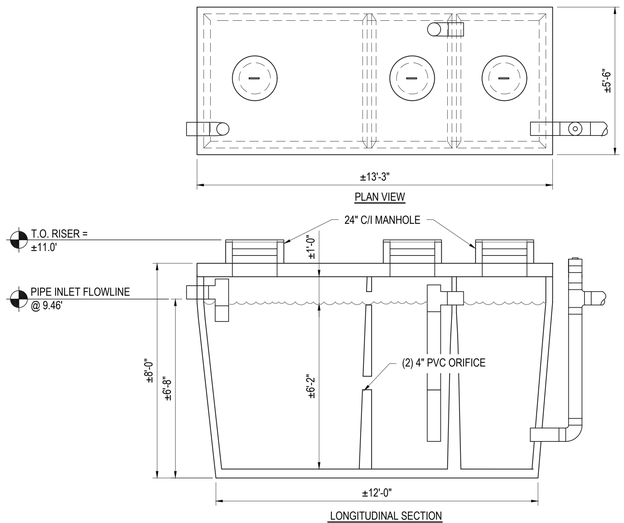
NOTE:
REFER TO MEP PLANS & SPECIFICATIONS FOR SEWER INFORMATION NOT SHOWN ON CIVIL PLANS. COORDINATE AS REQUIRED.

NOTE:
REFER TO GRADING AND PAVING PLANS FOR ADDITIONAL INFORMATION AND COORDINATE AS REQUIRED.

GENERAL SEWER NOTES:

1. MINIMUM SLOPE FOR 8" DIAMETER SANITARY SEWER MAINS SHALL BE 0.40%. MINIMUM SLOPE FOR 6" DIAMETER SANITARY SEWER LINES SHALL BE 0.60%.
2. ALL SANITARY SEWER LINES SHALL HAVE A MINIMUM OF 36" COVER.
3. SANITARY SEWERS SHALL BE LAID AT LEAST 10 FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED WATER MAIN. DISTANCE SHALL BE MEASURED EDGE TO EDGE.
4. THE BOTTOM OF THE WATER MAIN SHALL BE AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER MAIN AT CROSSINGS, MEASURED EDGE TO EDGE. THE CROSSING SHALL BE ARRANGED SO THAT THE SEWER JOINTS WILL BE EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE WATER MAIN.
5. SERVICE CONNECTIONS TO THE SEWER MAIN SHALL BE WATER TIGHT AND NOT PROTRUDE INTO THE SEWER.
6. ALL MATERIALS AND CONSTRUCTION SHALL COMPLY WITH THE REQUIREMENTS OF THE DEPARTMENT OF HEALTH & HOSPITALS, LA SANITARY CODE. ALL SEWER CONSTRUCTION SHALL BE COORDINATED WITH THE ENGINEER OF RECORD.
7. SANITARY SEWER PIPE SHALL BE PVC CONFORMING TO THE REQUIREMENTS OF ASTM D3034. THE PIPE SHALL BE SDR 26. THE PIPE AND FITTINGS SHALL BE JOINED BY AN ELASTOMERIC GASKET SYSTEM MEETING THE REQUIREMENTS OF ASTM F477. ALL FITTINGS SHALL BE IN-LINE FITTINGS.
8. UPON COMPLETION OF THE SANITARY SEWER SYSTEM, ALL SANITARY SEWER MAINS SHALL BE TESTED AS FOLLOWS:
   a. **LAMP TEST:** ALL SEWER LINES SHALL BE INSPECTED VISUALLY TO VERIFY ACCURACY OF ALIGNMENT AND FREEDOM OF DEBRIS AND OBSTRUCTIONS. THE FULL DIAMETER OF PIPE SHOULD BE VISIBLE WHEN VIEWED BETWEEN CONSECUTIVE MANHOLES.
   b. **LOW PRESSURE AIR TESTING:** AFTER THE LINE BETWEEN MANHOLES HAS BEEN PROPERLY CLEANED AND BACKFILLED, PLUGS SHALL BE PLACED IN EITHER END OF THE LINE AND INFLATED. LOW PRESSURE AIR SHALL BE INTRODUCED INTO THE SEALED LINE TO A PRESSURE OF 4 PSIG AND ALLOWED TO STABILIZE (A MINIMUM OF TWO (2) MINUTES) TO A MINIMUM PRESSURE OF 3.5 PSIG. IF THE TIME REQUIRED TO DROP THE AIR PRESSURE TO 2.5 PSIG IS LESS THAN THE TIME SCHEDULED AS FOLLOWS FOR THE VARIOUS DIAMETERS, THEN THE TEST HAS FAILED. THE TEST MAY BE CONCLUDED IF THE PRESSURE DOES NOT FALL TO 2.5 PSIG IN THE TIME SCHEDULES.
9. MINIMUM HOLDING TIME REQUIRED FOR PRESSURE TO DROP FROM 3.5 PSIG TO 2.5 PSIG SHALL BE 10 MINUTES FOR 12" DIAMETER SEWER PIPE AND 4 MINUTES FOR 8" DIAMETER SEWER PIPE AND SMALLER.
10. IF THE GROUND WATER TABLE IS ABOVE THE TOP OF THE SEWER PIPE, THE TEST PRESSURE SHALL BE ADJUSTED UPWARD TO GIVE A NET PRESSURE DIFFERENTIAL OF 3.5 PSIG.
11. ANY OBVIOUS EXCESSIVE LEAKS IN THE SYSTEM SHALL BE REPAIRED IMMEDIATELY UPON DISCOVERY. COSTS FOR REPAIRING FAULTY WORK INCLUDING RE-EXCAVATING, RE-BACKFILLING, AND FOR MAKING TESTS, SHALL BE INCLUDED IN PRICE BID FOR INSTALLING SEWERS.
12. CONTRACTOR SHALL INSTALL THE GRAVITY SANITARY SEWER SYSTEM BEFORE CONSTRUCTING GRAVITY STORMWATER SYSTEM AND POTABLE WATER SYSTEM.
13. ALL MATERIALS, INSTALLATION, AND TESTING SHALL CONFORM TO THE THE CITY OF LAKE CHARLES STANDARDS AND REQUIREMENTS

FOR CONSTRUCTION

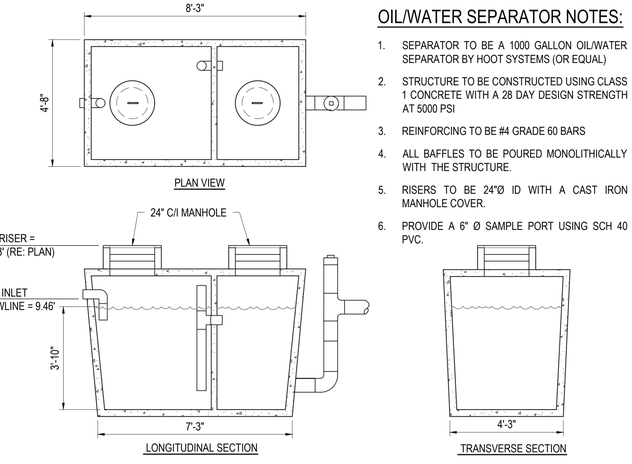


DETAIL "4"
2500 GALLON OIL & GRIT SEPARATOR

SCALE: 3/8"=1'-0"

OIL & GRIT SEPARATOR NOTES:

1. SEPARATOR TO BE A 3 CHAMBER, 2500 GALLON OIL & GRIT SEPARATOR BY HOOT SYSTEMS (OR EQUAL)
2. STRUCTURE TO BE CONSTRUCTED USING CLASS 1 CONCRETE WITH A 28 DAY DESIGN STRENGTH AT 5000 PSI
3. REINFORCING TO BE #4 GRADE 60 BARS
4. ALL BAFFLES TO BE POURED MONOLITHICALLY WITH THE STRUCTURE.
5. RISERS TO BE 24"Ø ID WITH A CAST IRON MANHOLE COVER.
6. PROVIDE A 6" Ø SAMPLE PORT USING SCH 40 PVC.



DETAIL "3"
TYPICAL TRENCH DRAIN TIE-IN @
VEHICLE MAINTENANCE BUILDING

SCALE: N.T.S.

DETAIL "5"
1000 GALLON OIL WATER SEPARATOR

SCALE: 3/8"=1'-0"

OIL/WATER SEPARATOR NOTES:

1. SEPARATOR TO BE A 1000 GALLON OIL/WATER SEPARATOR BY HOOT SYSTEMS (OR EQUAL)
2. STRUCTURE TO BE CONSTRUCTED USING CLASS 1 CONCRETE WITH A 28 DAY DESIGN STRENGTH AT 5000 PSI
3. REINFORCING TO BE #4 GRADE 60 BARS
4. ALL BAFFLES TO BE POURED MONOLITHICALLY WITH THE STRUCTURE.
5. RISERS TO BE 24"Ø ID WITH A CAST IRON MANHOLE COVER.
6. PROVIDE A 6" Ø SAMPLE PORT USING SCH 40 PVC.

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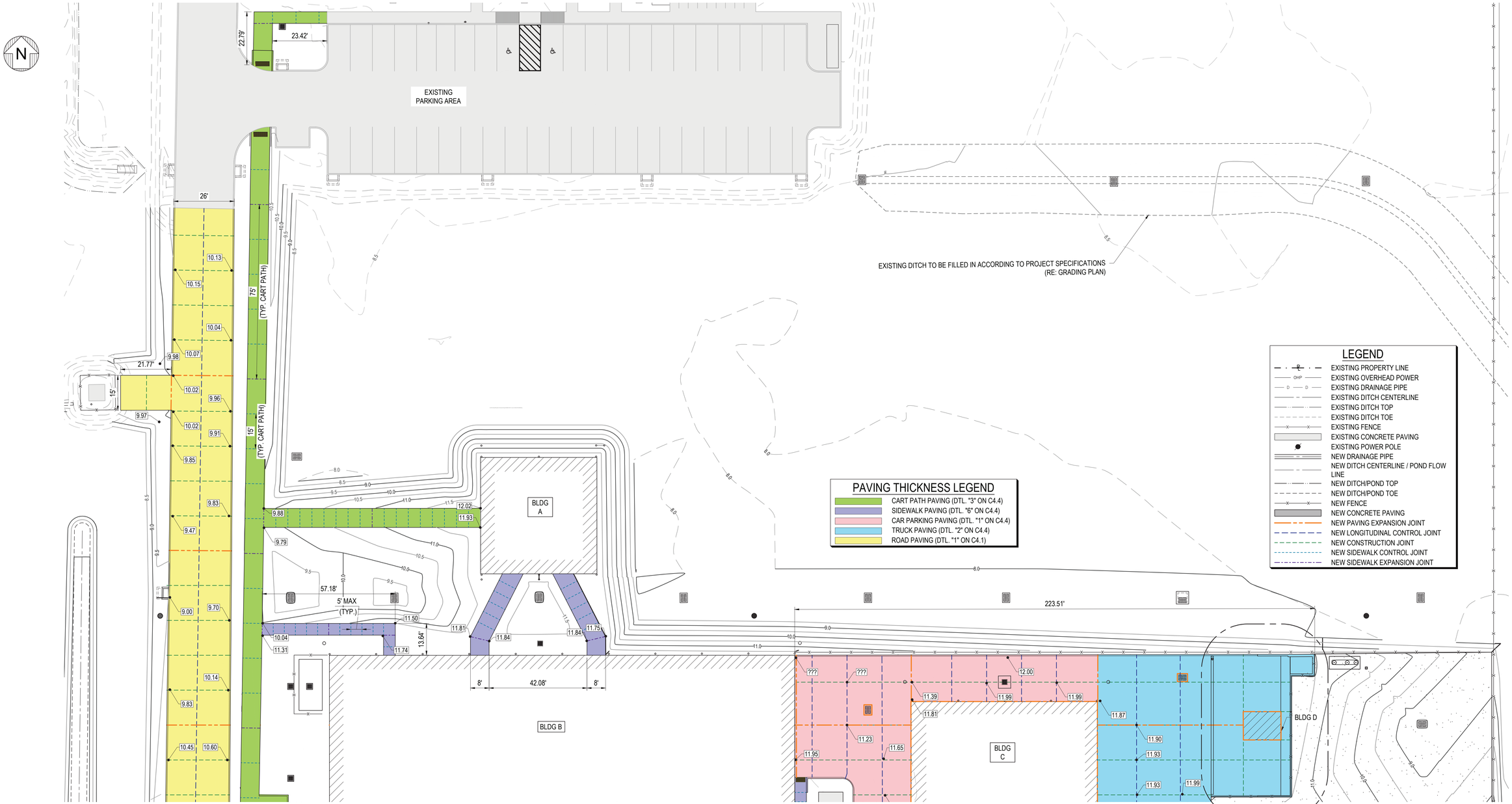
LAKE CHARLES, LA 70615

CIVIL SANITARY SEWER PLANS AND DETAILS

SHEET NO. C3.0

ARCH # 2400984

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS



PAVING THICKNESS LEGEND

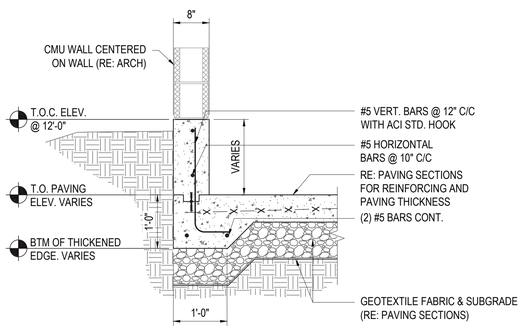
- CART PATH PAVING (DTL. "3" ON C4.4)
- SIDEWALK PAVING (DTL. "6" ON C4.4)
- CAR PARKING PAVING (DTL. "1" ON C4.4)
- TRUCK PAVING (DTL. "2" ON C4.4)
- ROAD PAVING (DTL. "1" ON C4.1)

LEGEND

- EXISTING PROPERTY LINE
- EXISTING OVERHEAD POWER
- EXISTING DRAINAGE PIPE
- EXISTING DITCH CENTERLINE
- EXISTING DITCH TOP
- EXISTING DITCH TOE
- EXISTING FENCE
- EXISTING CONCRETE PAVING
- EXISTING POWER POLE
- NEW DRAINAGE PIPE
- NEW DITCH CENTERLINE / POND FLOW LINE
- NEW DITCH/POND TOP
- NEW DITCH/POND TOE
- NEW FENCE
- NEW CONCRETE PAVING
- NEW PAVING EXPANSION JOINT
- NEW LONGITUDINAL CONTROL JOINT
- NEW CONSTRUCTION JOINT
- NEW SIDEWALK CONTROL JOINT
- NEW SIDEWALK EXPANSION JOINT

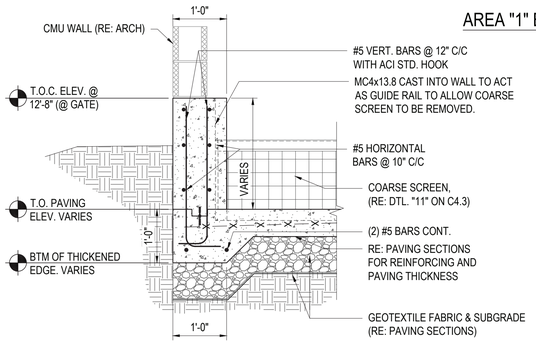
AREA "1" ENLARGED PAVING PLAN

SCALE: 1" = 20'



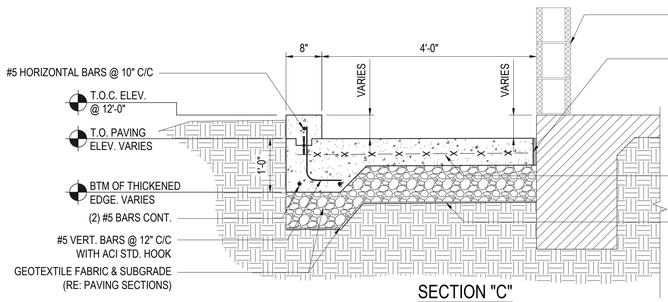
SECTION "A"
TYPICAL WASH BAY CONTAINMENT WALL

SCALE: 3/4" = 1'-0"



SECTION "B"
CONTAINMENT WALL @ OUTFALL AREA

SCALE: 3/4" = 1'-0"



SECTION "C"
WASH BAY CONTAINMENT BEHIND WASH HOUSE

SCALE: 3/4" = 1'-0"

CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND MUST NOTIFY LOUISIANA 811 BY CALLING **811** OR **1-800-272-3020** OR BY VISITING **LOUISIANA811.COM** AT LEAST TWO BUSINESS DAYS PRIOR TO COMMENCEMENT OF ANY WORK.

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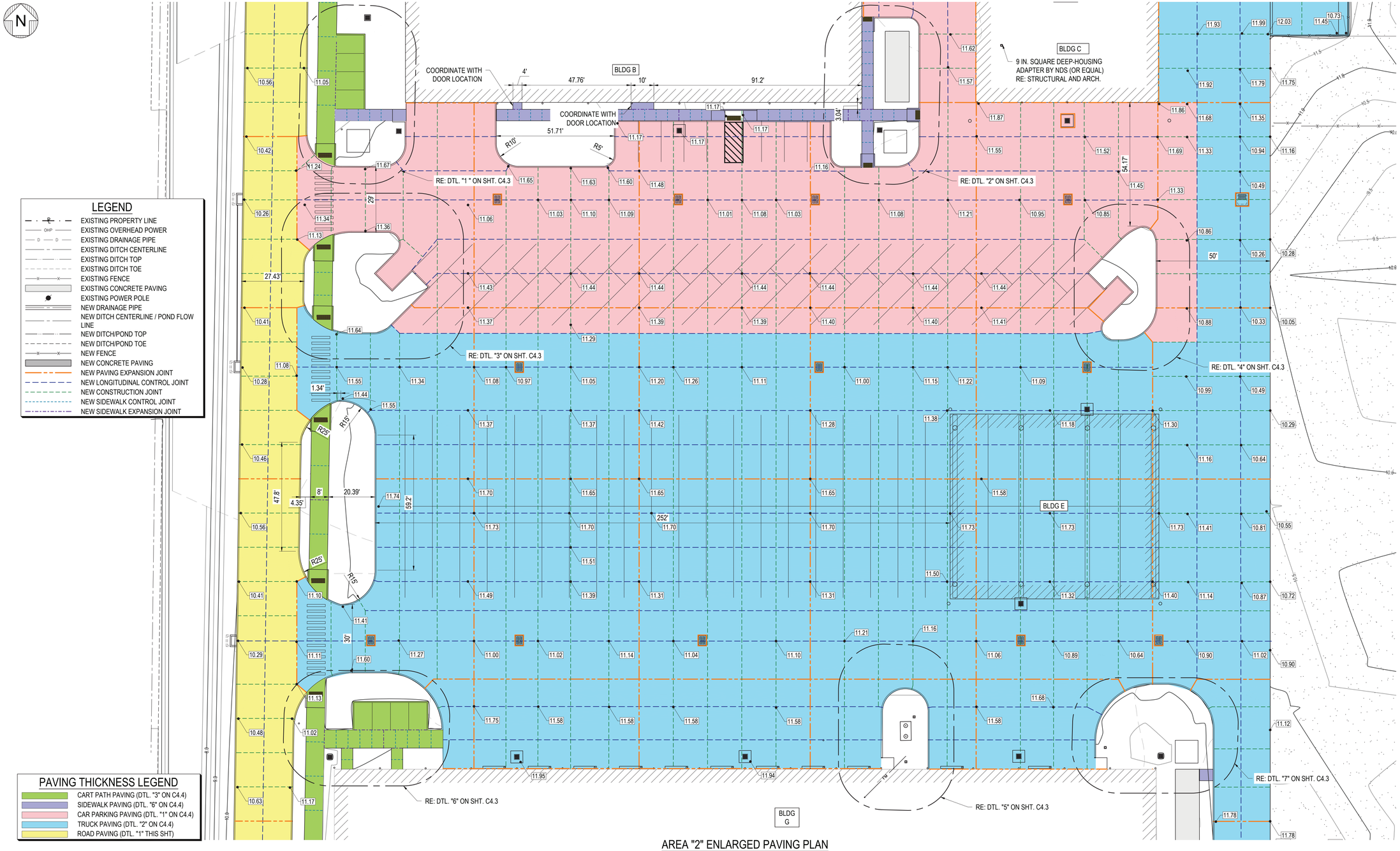
AREA "1" ENLARGED PAVING PLAN

SHEET NO. C4.0

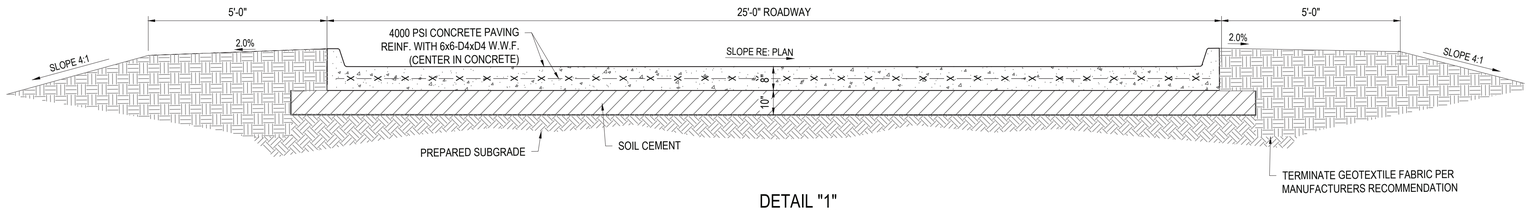
ARCH # 24009BA

VER.	DATE	DESCRIPTION
0	12/02/2025	FOR PERMITTING



AREA "2" ENLARGED PAVING PLAN

SCALE: 1" = 20'



DETAIL "1"
TYPICAL ROAD SECITON

SCALE: 1/2"-1'-0"

CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND MUST NOTIFY LOUISIANA 811 BY CALLING **811** OR **1-800-272-3020** OR BY VISITING **LOUISIANA811.COM** AT LEAST TWO BUSINESS DAYS PRIOR TO COMMENCEMENT OF ANY WORK.

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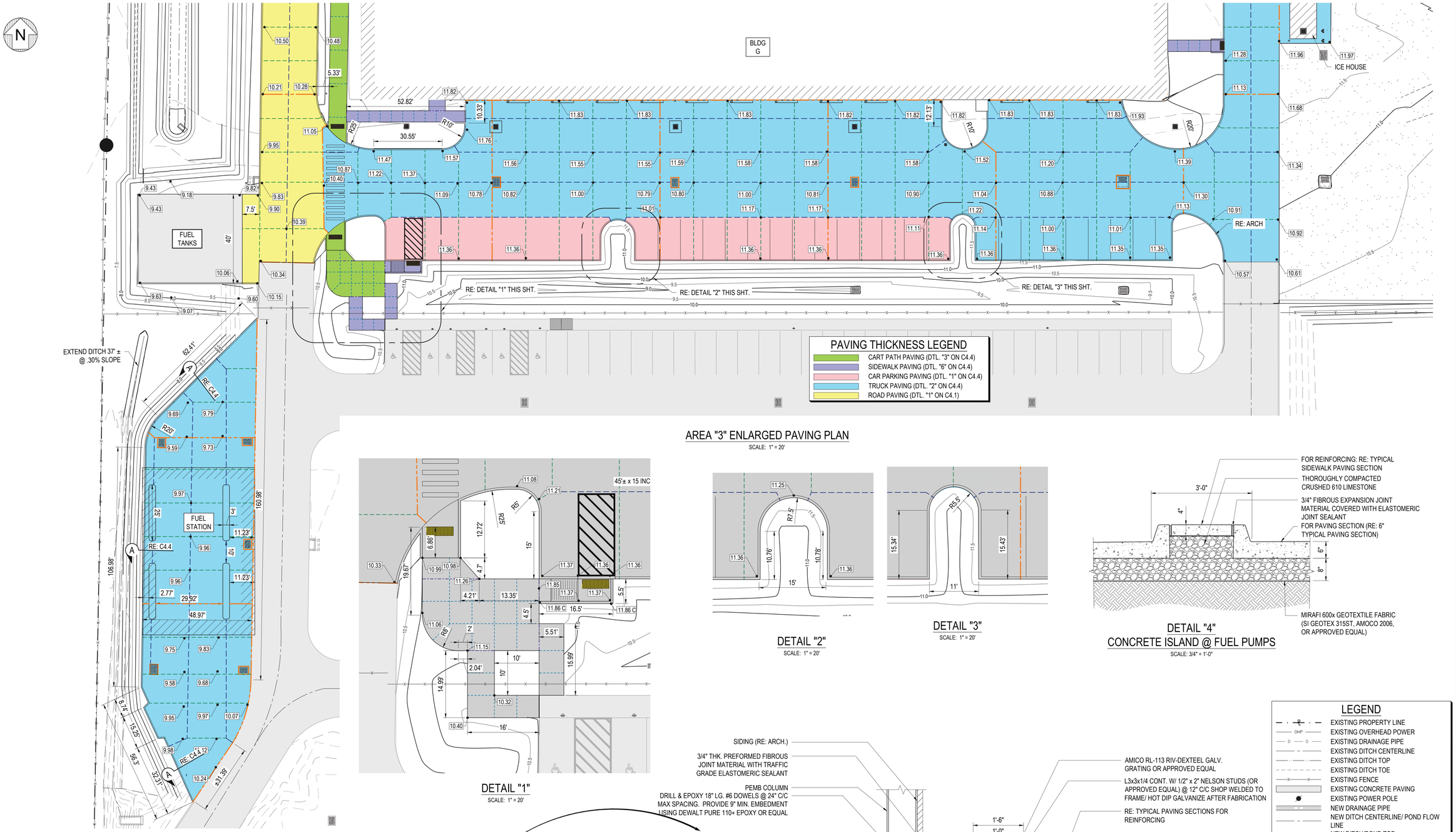
AREA "2" ENLARGED PAVING PLAN

SHEET NO. C4.1

ARCH # 24009BA

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS



AREA "3" ENLARGED PAVING PLAN

SCALE: 1" = 20'

DETAIL "1"

SCALE: 1" = 20'

DETAIL "2"

SCALE: 1" = 20'

DETAIL "3"

SCALE: 1" = 20'

DETAIL "4"
CONCRETE ISLAND @ FUEL PUMPS

SCALE: 3/4" = 1'-0"

PLAN

DETAIL "5"
TRENCH DRAIN @ GARAGE DOORS

SCALE: 1/2"-1'-0"

SECTION

LEGEND

- EXISTING PROPERTY LINE
- EXISTING OVERHEAD POWER
- EXISTING DRAINAGE PIPE
- EXISTING DITCH CENTERLINE
- EXISTING DITCH TOP
- EXISTING DITCH TOE
- EXISTING FENCE
- EXISTING CONCRETE PAVING
- EXISTING POWER POLE
- NEW DRAINAGE PIPE
- NEW DITCH CENTERLINE/ POND FLOW LINE
- NEW DITCH/POND TOP
- NEW DITCH/POND TOE
- NEW FENCE
- NEW CONCRETE PAVING
- NEW PAVING EXPANSION JOINT
- NEW LONGITUDINAL CONTROL JOINT
- NEW CONSTRUCTION JOINT
- NEW SIDEWALK CONTROL JOINT
- NEW SIDEWALK EXPANSION JOINT

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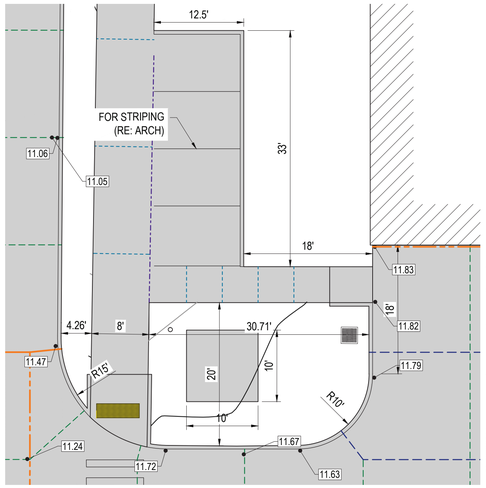
AREA "3" ENLARGED PAVING PLAN & DETAILS

SHEET NO. C4.2

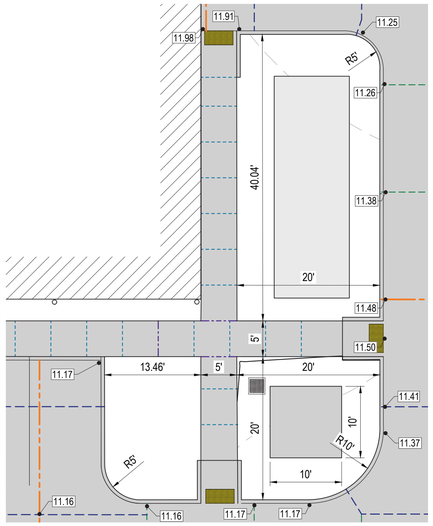
ARCH # 24009BA

VER.	DATE	DESCRIPTION
0	12/02/2025	FOR PERMITTING

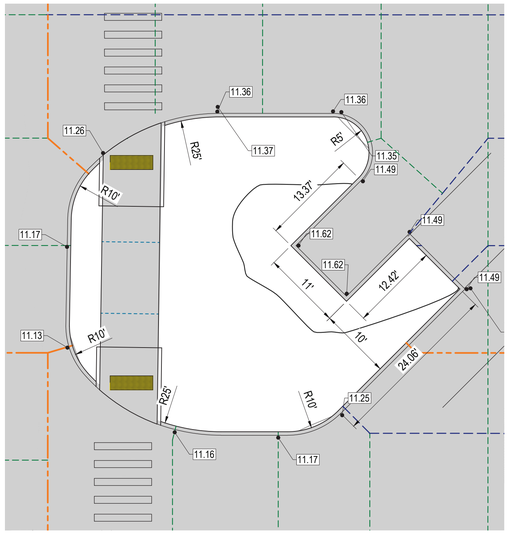
ALL PLANS THIS SHT.



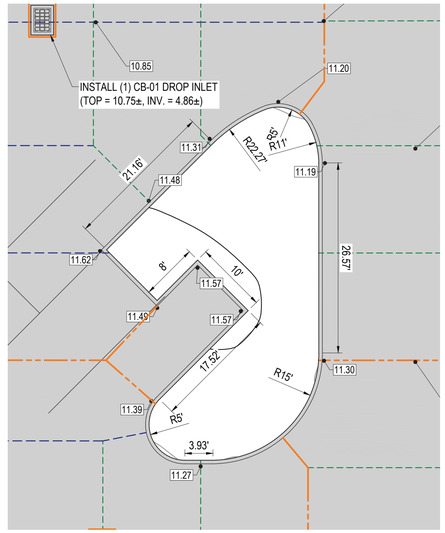
DETAIL "1"
ENLARGED PLAN
SCALE: 1" = 10'



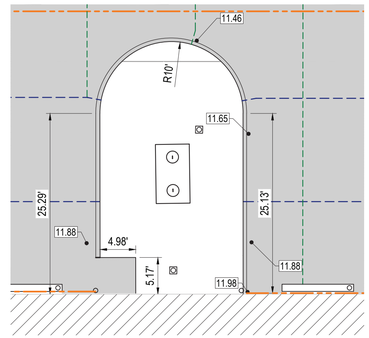
DETAIL "2"
ENLARGED PLAN
SCALE: 1" = 10'



DETAIL "3"
ENLARGED PLAN
SCALE: 1" = 10'

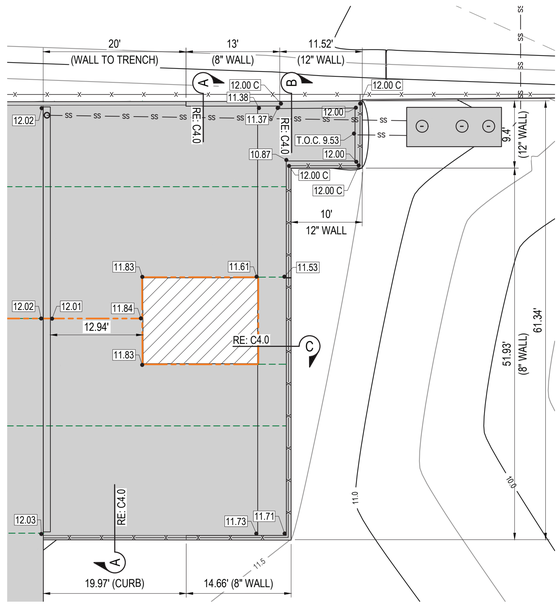


DETAIL "4"
ENLARGED PLAN
SCALE: 1" = 10'

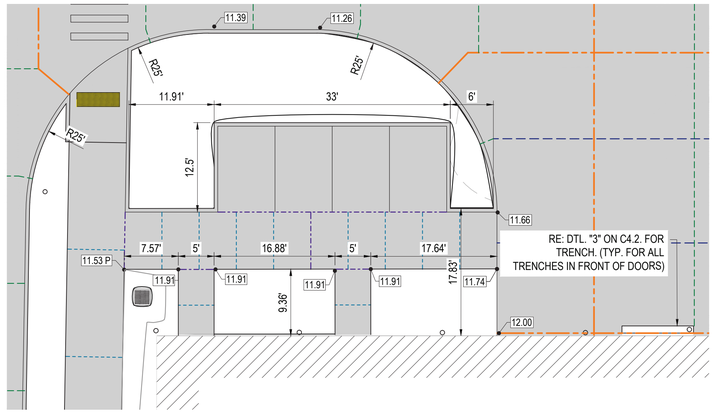


DETAIL "5"
ENLARGED PLAN
SCALE: 1" = 10'

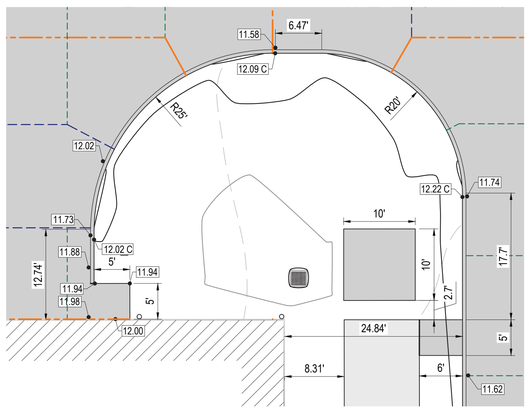
NOTE:
AVOID CONCRETE JOINTS THAT COME TO A POINT. IF A JOINT GETS WITHIN 2' OF A RADIUS, CONTRACTOR TO TERMINATE JOINTS PERPENDICULAR TO THE RADIUS AS SHOWN.



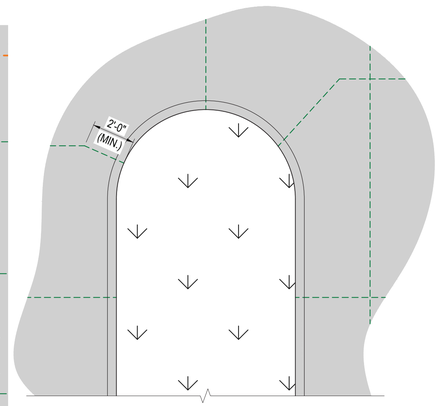
DETAIL "6"
ENLARGED PLAN @ WASH BAY
SCALE: 1" = 10'



DETAIL "7"
ENLARGED PLAN
SCALE: 1" = 10'

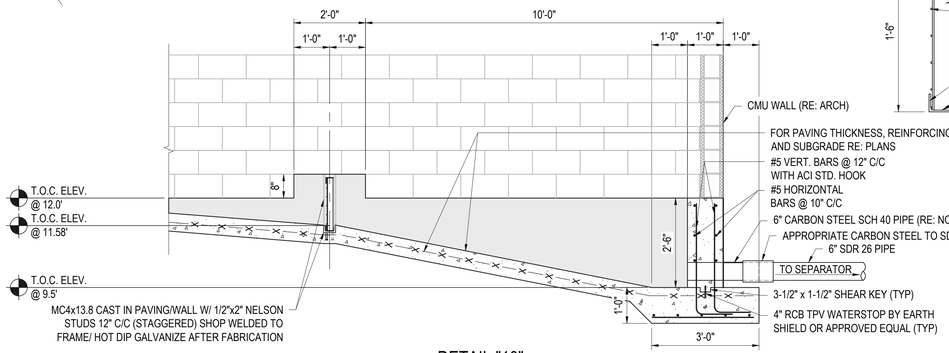


DETAIL "8"
ENLARGED PLAN
SCALE: 1" = 10'

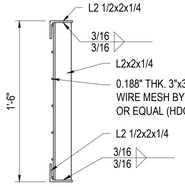


DETAIL "9"
TYPICAL CONTROL JOINT TERMINATION
SCALE: 1" = 10'

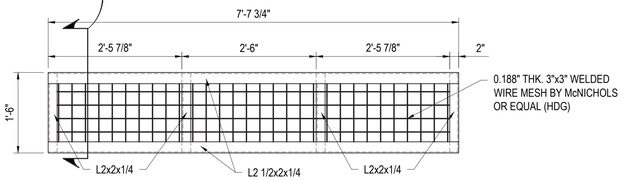
NOTE "1":
CONTRACTOR TO INSTALL A FLANGE AT END OF A 6" Ø CARBON STEEL SCH 40 PIPE TO ALLOW A SCREEN TO BE FASTENED TO FLANGE. SCREEN TO BE ATTACHED WITH FLUSH PAN HEAD SCREWS SO THAT NOTHING PROTRUDES INTO THE SUMP. SCREEN TO HAVE A MINIMUM OF 75% VOIDS TO ALLOW WATER TO FLOW THROUGH. HOLES TO NOT EXCEED 3/4" IN DIAMETER. HOT DIP GALVANIZE AFTER FABRICATION.



DETAIL "10"
WASH BAY CROSS SECTION
SCALE: 1/2" = 1'-0"



NOTE:
ALL STEEL THIS DTL. TO BE HOT DIPPED GALVANIZED



DETAIL "11"
COARSE SCREEN
SCALE: 3/4"=1'-0"

FOR CONSTRUCTION

peridian ENGINEERING SERVICES
700 PUJO ST. SUITE C
LAKE CHARLES, LA 70601
PES PROJECT NO. 24044
PHONE: 337.602.6097 WWW.PESERVICES.US

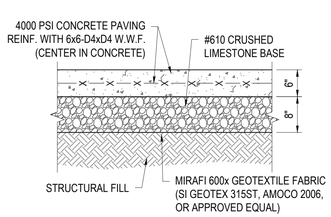
STATE OF LOUISIANA
NATHAN E. JORDAN
License. No. 33702
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
12/20/2025

Brossett Architect
Brossett Architect, LLC · 414 Pujo St., Lake Charles, LA 70601

LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2
4200 BROAD STREET
LAKE CHARLES, LA 70615
MISC. PAVING DETAILS

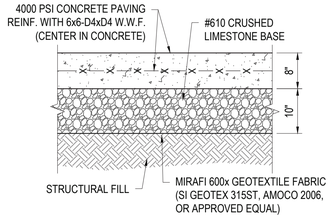
SHEET NO. C4.3
ARCH # 2400918A

VER.	DATE	DESCRIPTION
0	12/02/2025	FOR PERMITTING



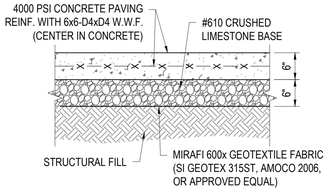
DETAIL "1"
TYPICAL CONCRETE PAVING SECTION AT PARKING AREA

SCALE: 3/4" = 1'-0"



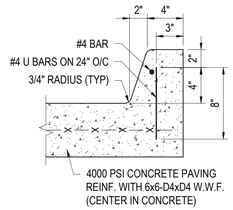
DETAIL "2"
TYPICAL CONCRETE PAVING SECTION @ TRUCK TRAFFIC

SCALE: 3/4" = 1'-0"



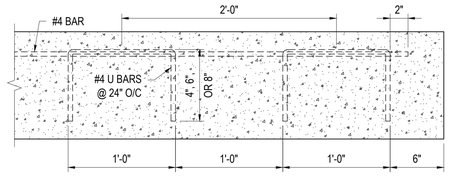
DETAIL "3"
TYPICAL CONCRETE PAVING SECTION@ GOLF CART PATH

SCALE: 3/4" = 1'-0"



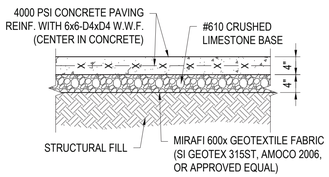
DETAIL "4"
BARRIER CURB

NOT TO SCALE



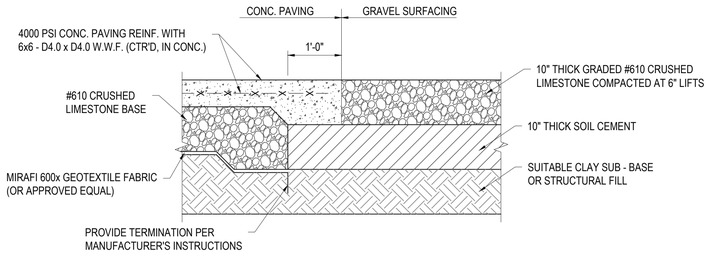
DETAIL "5"
CURB BAR REINFORCING

NOT TO SCALE



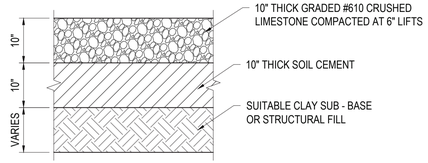
DETAIL "6"
TYPICAL CONCRETE SIDEWALK PAVING SECTION

SCALE: 3/4" = 1'-0"



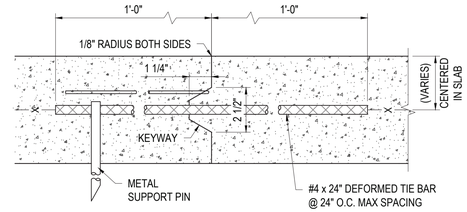
DETAIL "7"
TYPICAL CONCRETE PAVING TO GRAVEL TRANSITION

SCALE: 3/4" = 1'-0"



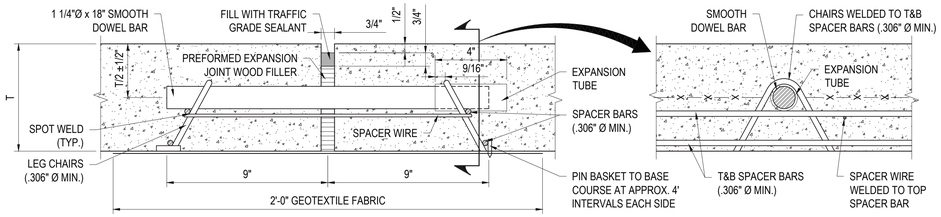
DETAIL "8"
TYPICAL GRAVEL SECTION

SCALE: 3/4" = 1'-0"



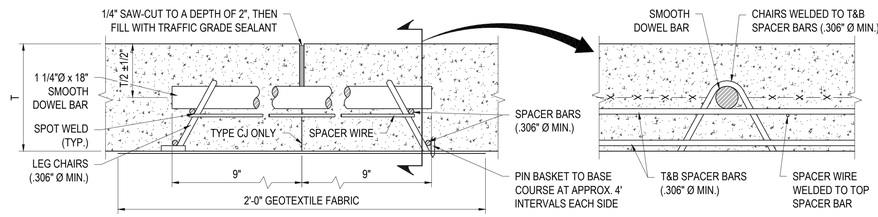
DETAIL "9"
LONGITUDINAL CONSTRUCTION JOINT (LCJ) DETAIL

NOT TO SCALE



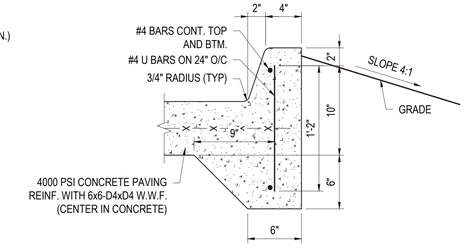
DETAIL "10"
EXPANSION JOINT (EJ) DETAIL

NOT TO SCALE



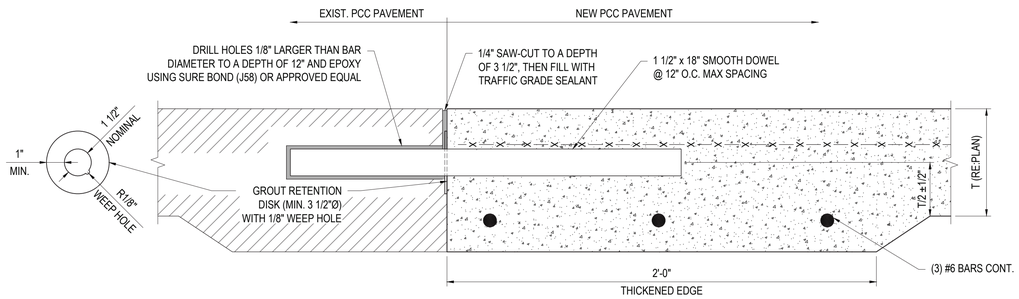
DETAIL "11"
CONSTRUCTION JOINT (CJ) DETAIL

NOT TO SCALE



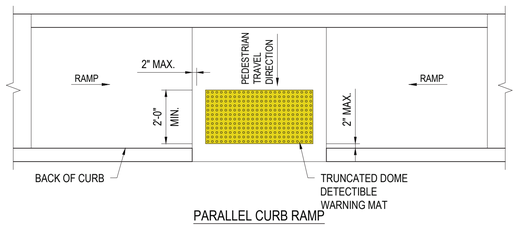
SECTION "A"
BARRIER CURB @ FUEL STATION

NOT TO SCALE

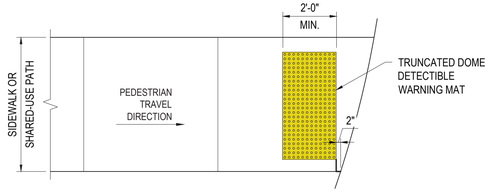


DETAIL "12"
ROAD TIE IN JOINT DETAIL

NOT TO SCALE



PARALLEL CURB RAMP



AT-GRADE SIDEWALK OR SHARED-USE PATH

TYP. PLACEMENT OF DETECTABLE WARNING SURFACE

NOT TO SCALE

FOR CONSTRUCTION

peridian ENGINEERING SERVICES
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PHONE: 337.602.6097 WWW.PESERVICES.US

STATE OF LOUISIANA
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12/20/2025

Brossett Architect

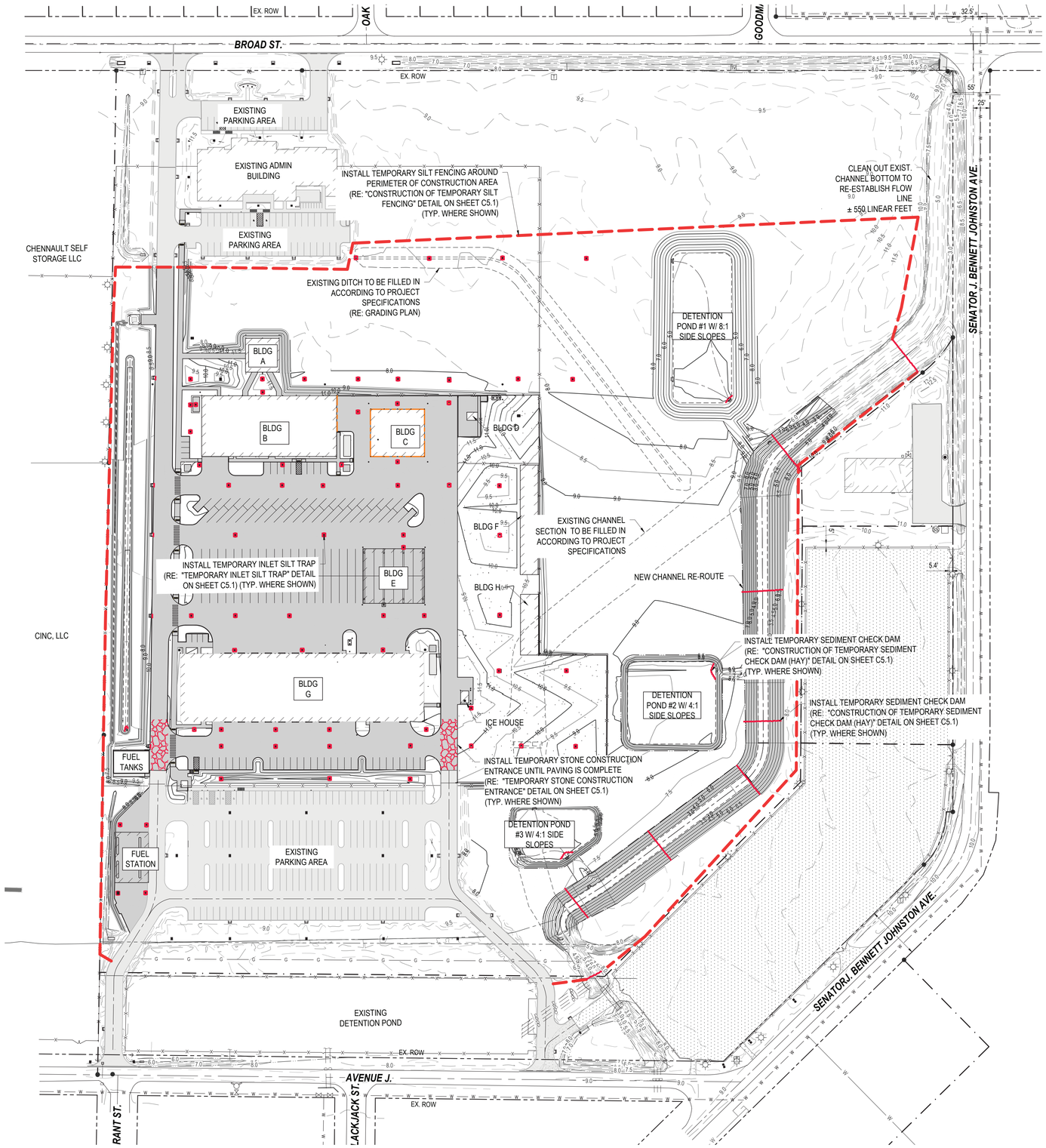
Brossett Architect, LLC · 414 Pujo St., Lake Charles, LA 70601

LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2
4200 BROAD STREET
LAKE CHARLES, LA 70615
MISC. PAVING DETAILS

SHEET NO. C4.4

ARCH # 24009BA

VER.	DATE	DESCRIPTION
0	12/02/2025	FOR PERMITTING



EROSION CONTROL (SWPPP) PLAN

SCALE: 1" = 80'

LEGEND

- EXISTING PROPERTY LINE
- EXISTING OVERHEAD POWER
- EXISTING DRAINAGE PIPE
- EXISTING DITCH CENTERLINE
- EXISTING DITCH TOP
- EXISTING DITCH TOE
- EXISTING FENCE
- EXISTING CONCRETE PAVING
- EXISTING GRAVEL
- EXISTING ASPHALT PAVING
- EXISTING SANITARY SEWER CLEANOUT
- EXISTING SANITARY SEWER MANHOLE
- EXISTING POWER POLE
- NEW DRAINAGE PIPE
- NEW DITCH CENTERLINE / POND FLOW LINE
- NEW DITCH/POND TOP
- NEW DITCH/POND TOE
- NEW FENCE
- NEW CONCRETE PAVING

CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND MUST NOTIFY LOUISIANA 811 BY CALLING **811** OR **1-800-272-3020** OR BY VISITING **LOUISIANA811.COM** AT LEAST TWO BUSINESS DAYS PRIOR TO COMMENCEMENT OF ANY WORK.

Louisiana 811
LOUISIANA811.COM

FOR CONSTRUCTION

peridian ENGINEERING SERVICES
700 PUJO ST. SUITE C
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PES PROJECT NO. 24044
PHONE: 337.602.6097 WWW.PESERVICES.US

STATE OF LOUISIANA
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12/20/2025

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LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2

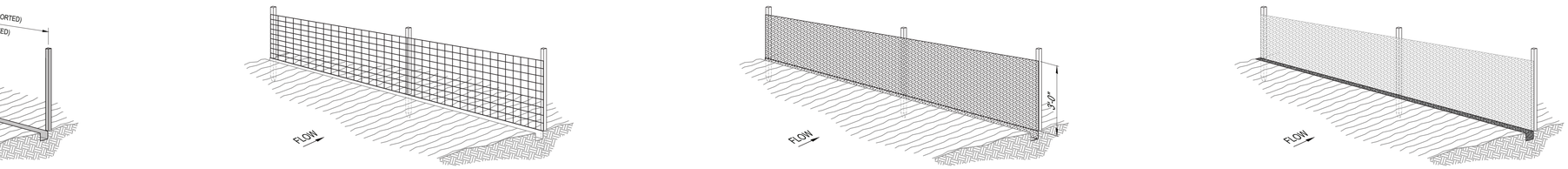
4200 BROAD STREET
LAKE CHARLES, LA 70615

EROSION CONTROL (SWPPP) PLAN

SHEET NO. C5.0

ARCH # 2400998A

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS



CONSTRUCTION OF TEMPORARY SILT FENCING

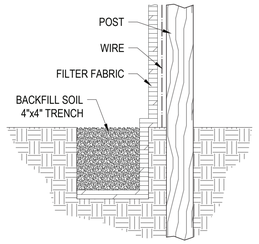
NOT TO SCALE

TEMPORARY SILT FENCING NOTES:

SILT FENCING IS A TEMPORARY SEDIMENT BARRIER CONSISTING OF A FILTER FABRIC SUPPORTED BY POST AND STRETCHED ACROSS AN AREA TO INTERCEPT AND DETAIN SMALL AMOUNTS OF SEDIMENT. THE SILT FENCING SHALL BE IN ACCORDANCE WITH SECTION 204 PF LA DOTD STANDARD SPECIFICATIONS.

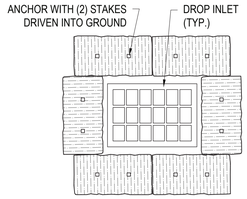
A FEW BASIC GUIDELINES FOR THE USE OF SILT FENCING ARE:

1. USE WHERE EROSION WOULD OCCUR IN THE FORM OF SHEET AND RILL EROSION.
2. USE WHERE THE MAXIMUM DRAINAGE AREA BEHIND THE SILT FENCE IS 1/4 ACRE PER 1000 FEET OF SILT FENCE LENGTH.
3. USE WHERE THE MAXIMUM SLOPE LENGTH BEHIND THE BARRIER IS 100 FEET.
4. USE WHERE THE MAXIMUM GRADIENT BEHIND THE BARRIER IS 2:1.
5. DO NOT USE SILT FENCES IN LIVE STREAMS OR IN DITCHES OR SWALES WHERE FLOWS EXCEED ONE CUBIC FOOT PER SECOND.

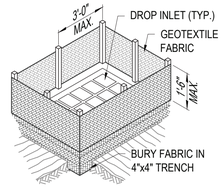


EXTENSION OF FABRIC INTO THE TRENCH

NOT TO SCALE



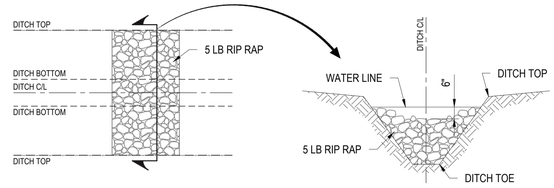
PLAN VIEW SHOWING HAY BALES



ISOMETRIC VIEW SHOWING GEOTEXTILE FABRIC

TEMPORARY INLET SILT TRAP

NOT TO SCALE



PLAN VIEW

SECTION VIEW

TEMPORARY SEDIMENT CHECK DAM (STONE)

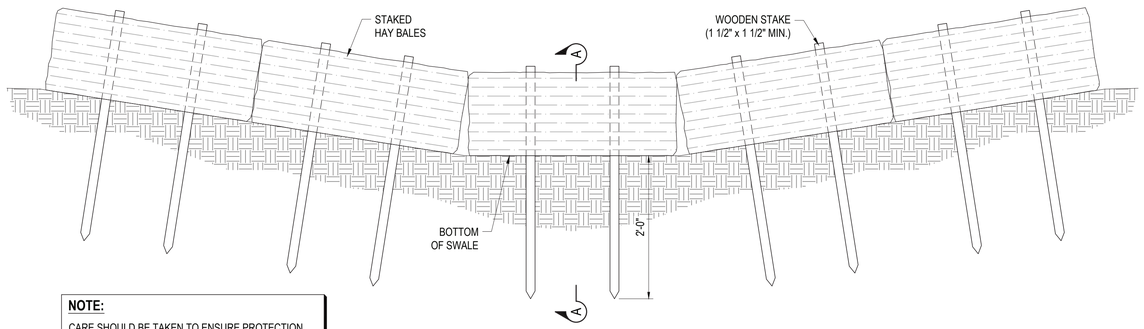
NOT TO SCALE

TEMPORARY SEDIMENT CHECK DAM (HAY) NOTES:

A HAY BALE BARRIER IS A TEMPORARY SEDIMENT BARRIER CONSISTING OF A ROW OF ENTRENCHED AND ANCHOR BALES OF STRAW OR HAY. THE HAY BALE BARRIER IS ALSO USED AS A CHECK DAM TO REDUCE THE VELOCITY IN SMALL DITCHES OR SWALES. THE HAY BALES SHALL BE IN ACCORDANCE WITH SECTION 204 PF LA DOTD STANDARD SPECIFICATIONS.

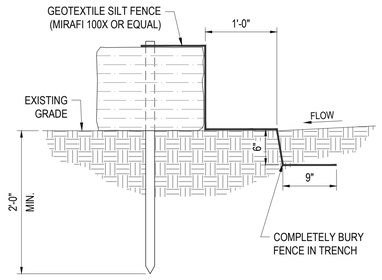
A FEW BASIC GUIDELINES FOR THE USE OF HAY BALE BARRIER ARE:

1. USE WHERE EROSION WOULD OCCUR IN THE FORM OF SHEET AND RILL EROSION.
2. USE IN MINOR SWALES OR DITCHES WHERE THE MAXIMUM DRAINAGE AREA IS 2 ACRES.
3. ONLY USE WHERE THE EFFECTIVENESS IS REQUIRED FOR LESS THAN 3 MONTHS.
4. DO NOT USE IN LIVE STREAMS OR IN SWALES OR DITCHES WHERE THERE IS A POSSIBILITY OF A WASHOUT.



NOTE:
CARE SHOULD BE TAKEN TO ENSURE PROTECTION OF BARRIER LAYER WHEN STAKING HAY BALES.

ELEVATION



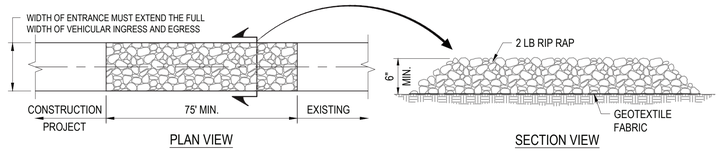
SECTION "A-A"

TEMPORARY SEDIMENT CHECK DAM (HAY)

NOT TO SCALE

CONSTRUCTION ENTRANCE/EXIT NOTES:

1. LOCATIONS WHERE VEHICLES ENTER AND EXIT THE SITE MUST BE INSPECTED FOR EVIDENCE OF SEDIMENT TRACKING BEYOND THE PERMITTED PROJECT AREA. ANY AND ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
2. ANY SEDIMENT DEPOSITED ON THE ROADWAY SHALL BE SWEPT AS NECESSARY (AND WITHIN THE SAME DAY AS DISCOVERED) AND DISPOSED OF APPROPRIATELY. SEDIMENT SHALL NOT BE WASHED INTO STORM SEWER SYSTEMS.
3. EXIT(S) SHALL BE MAINTAINED IN A CONDITION SUCH TO PREVENT TRACKING OR FLOW OF MUD BEYOND THE EXIT(S). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION EXIT(S) AS CONDITIONS WARRANT.



PLAN VIEW

SECTION VIEW

TEMPORARY STONE CONSTRUCTION ENTRANCE

NOT TO SCALE

FOR CONSTRUCTION

peridian ENGINEERING SERVICES
700 PUJO ST. SUITE C
LAKE CHARLES, LA 70601
PES PROJECT NO. 24044
PHONE: 337.602.6097 WWW.PESERVICES.US

STATE OF LOUISIANA
NATHAN E. JORDAN
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12/20/2025

Brossett Architect
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LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2
4200 BROAD STREET
LAKE CHARLES, LA 70615

EROSION CONTROL DETAILS

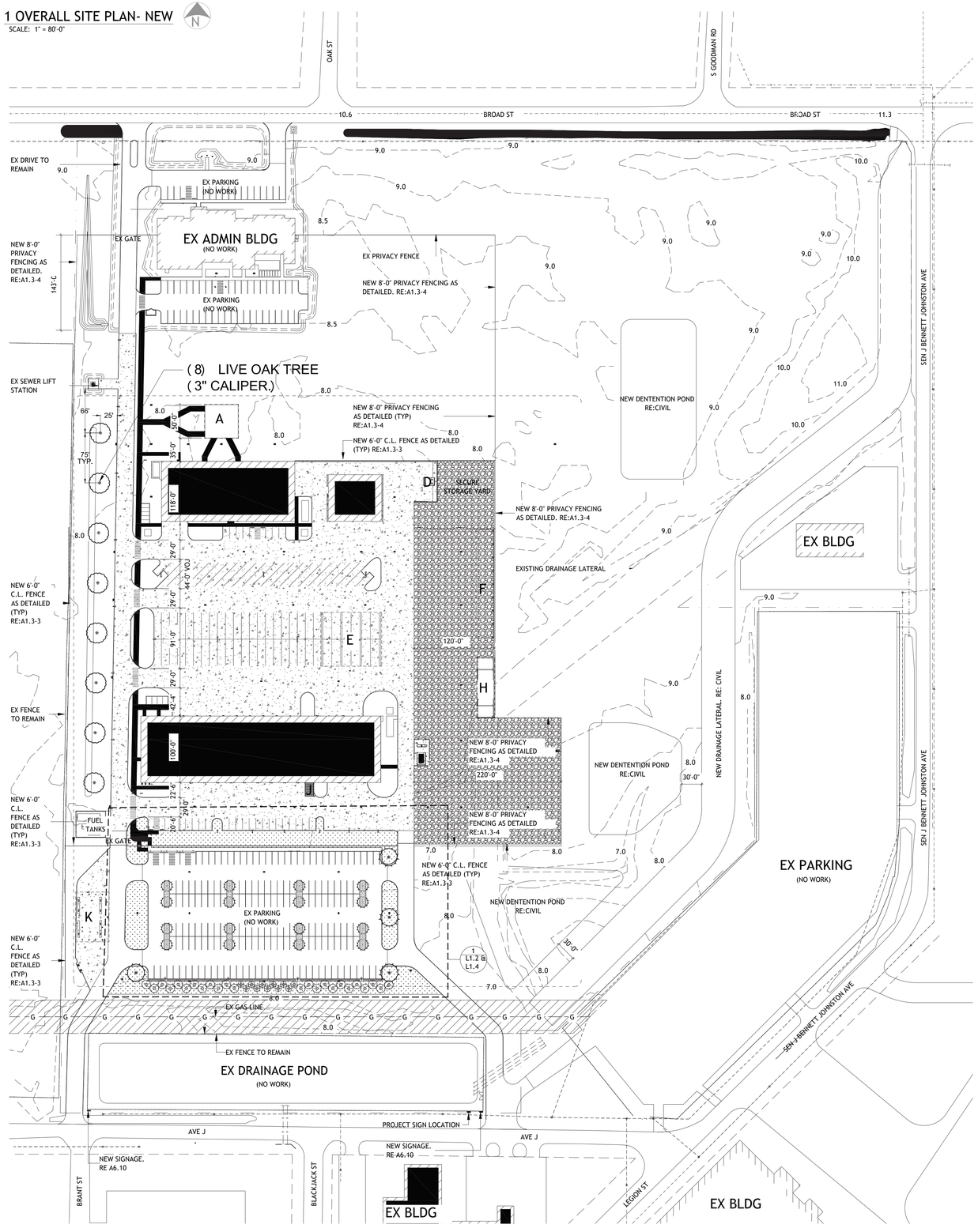
SHEET NO. C5.1

ARCH # 2400988

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS

1 OVERALL SITE PLAN- NEW

SCALE: 1" = 80'-0"



TJ PHILLIPS DESIGNS LLC
LANDSCAPE ARCHITECT - SITE PLANNER
900 FOISY ST. ALEXANDRIA, LA 71301
318.481.0166 (MOBILE)
tom@tjpalex.com

THOMAS J. PHILLIPS P-242 LOUISIANA LANDSCAPE ARCHITECT

NOVEMBER 25, 2025

CONSTRUCTION DOCUMENTS
11/3/2025 2:02:32 PM

Brossett Architect, LLC · 414 Pujo St., Lake Charles, LA 70601

LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2

4200 BROAD STREET
LAKE CHARLES, LA 70615

LANDSCAPE SITE PLAN- NEW

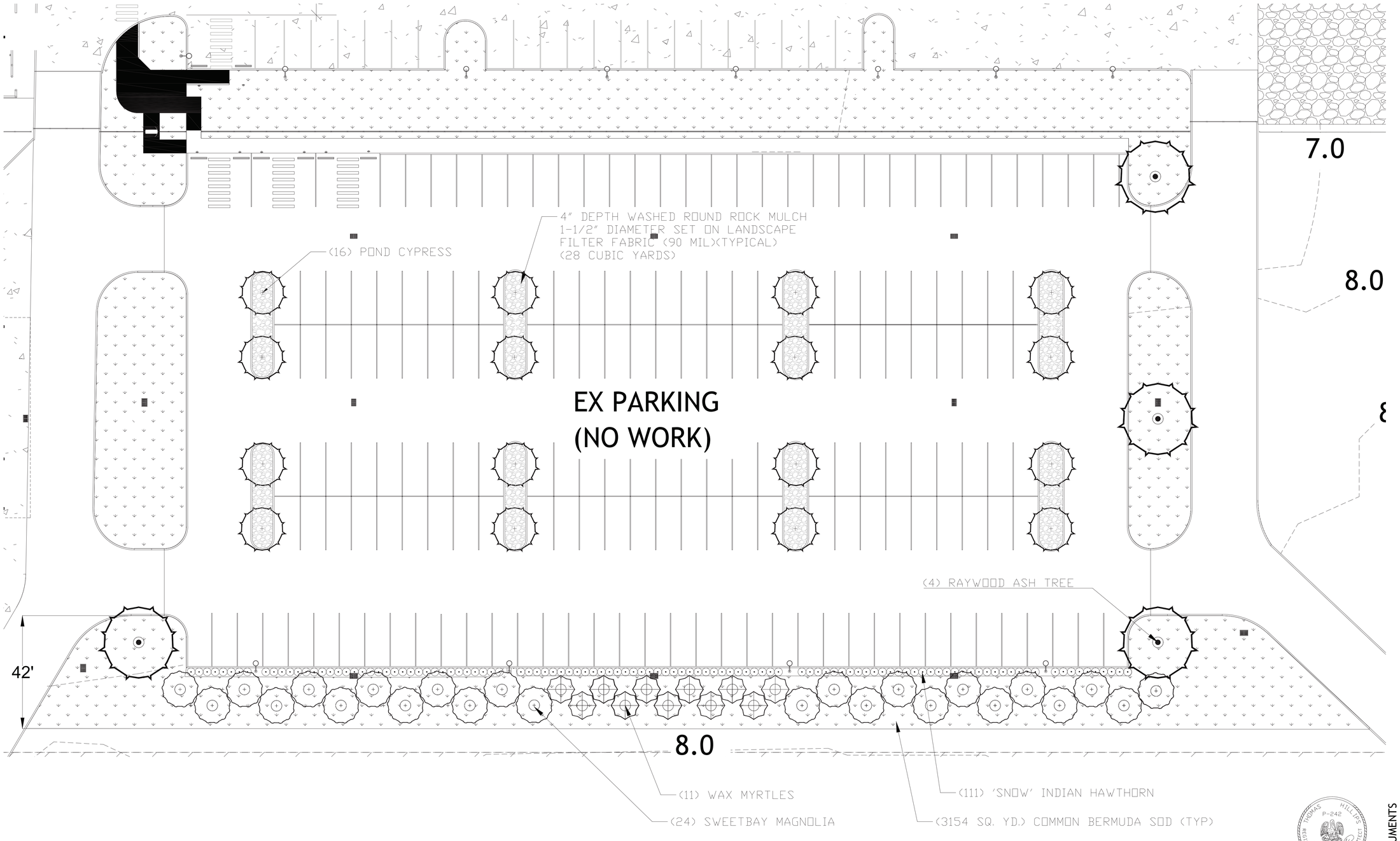
SHEET NO. L1.1

ARCH #24009 BA

VER.	DATE	DESCRIPTION
A	05/06/2024	EXISTING CONDITIONS
B	05/07/2024	CONCEPT
C	11/01/2024	SCHEMATIC DESIGN
D	02/10/2025	DESIGN DEVELOPMENT
E	06/18/2025	CONSTRUCTION DOCUMENTS

1 SOUTH PARKING LOT

SCALE: 1/16"=1'-0"



CONSTRUCTION DOCUMENTS

11/3/2025 2:02:32 PM

THOMAS HILLIPS P-242 REGISTERED LANDSCAPE ARCHITECT

NOVEMBER 25, 2025

TJ PHILLIPS DESIGNS LLC
LANDSCAPE ARCHITECT - SITE PLANNER
900 FOISY ST. ALEXANDRIA, LA 71301
318.481.0166 (MOBILE)
tom@tjpalex.com

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LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2

4200 BROAD STREET
LAKE CHARLES, LA 70615

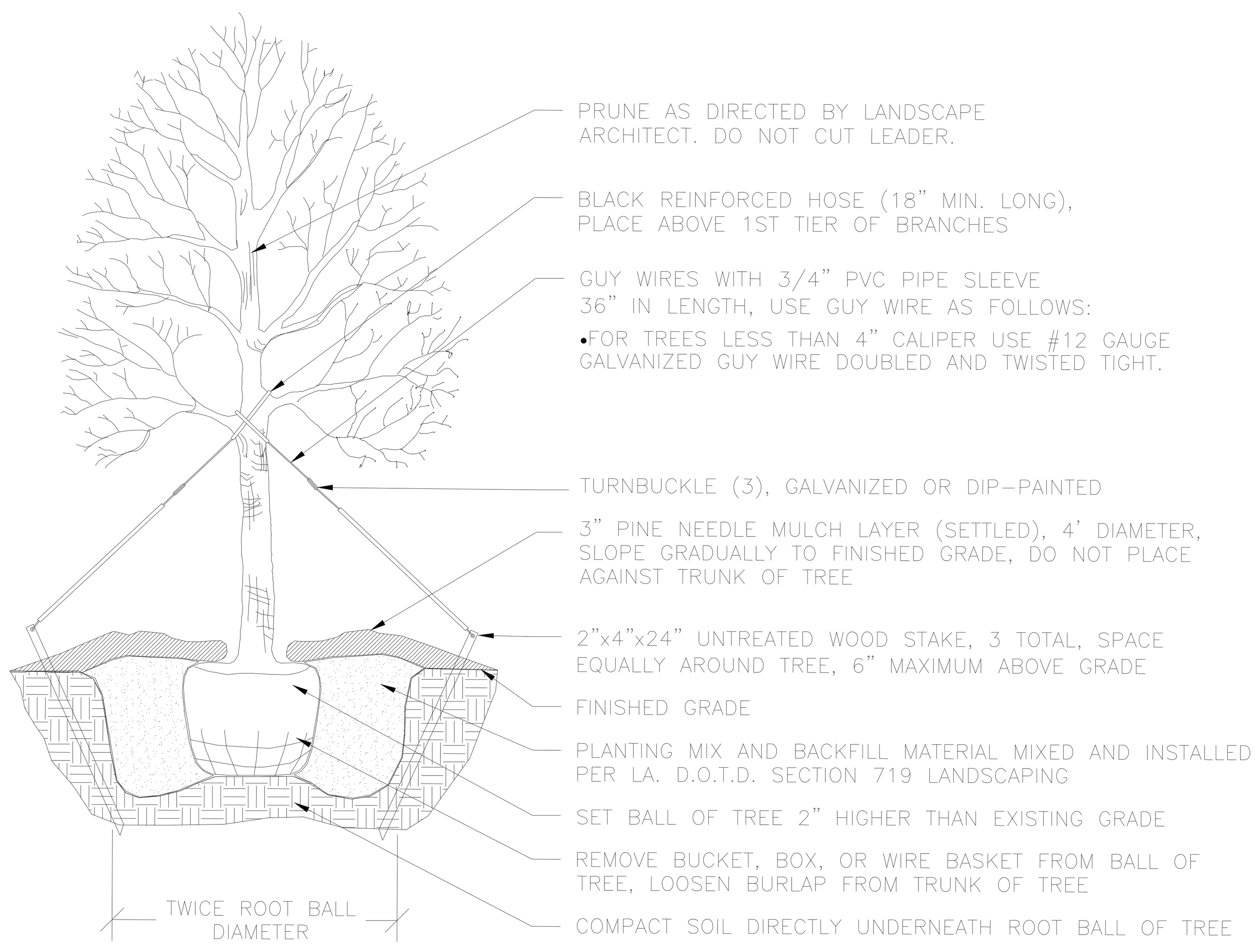
LANDSCAPE SITE PLAN- NEW

SHEET NO. L1.2

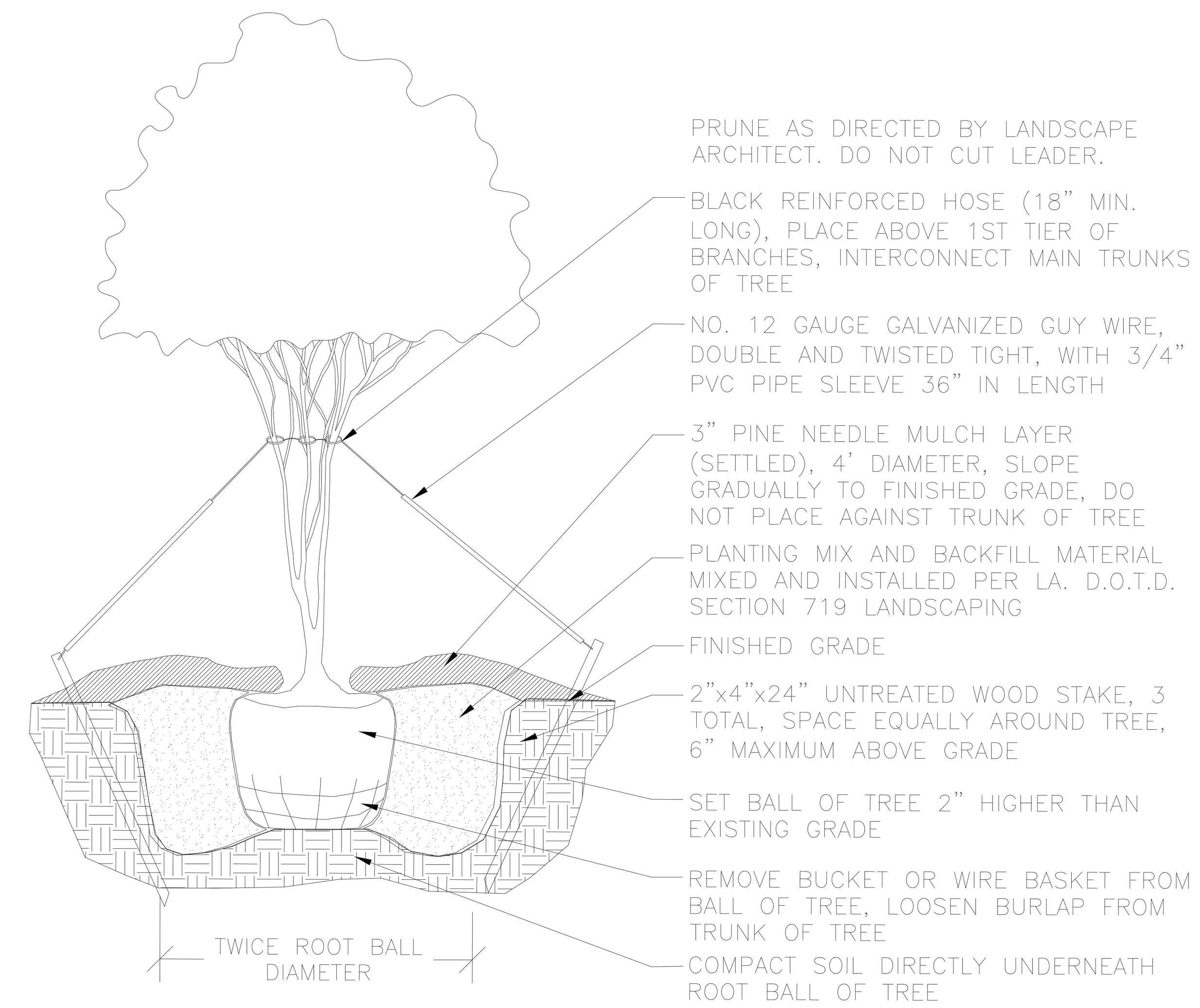
ARCH #24009 BA

VER.	DATE	DESCRIPTION
A	05/06/2024	EXISTING CONDITIONS
B	05/07/2024	CONCEPT
C	11/01/2024	SCHEMATIC DESIGN
D	02/10/2025	DESIGN DEVELOPMENT
E	06/18/2025	CONSTRUCTION DOCUMENTS

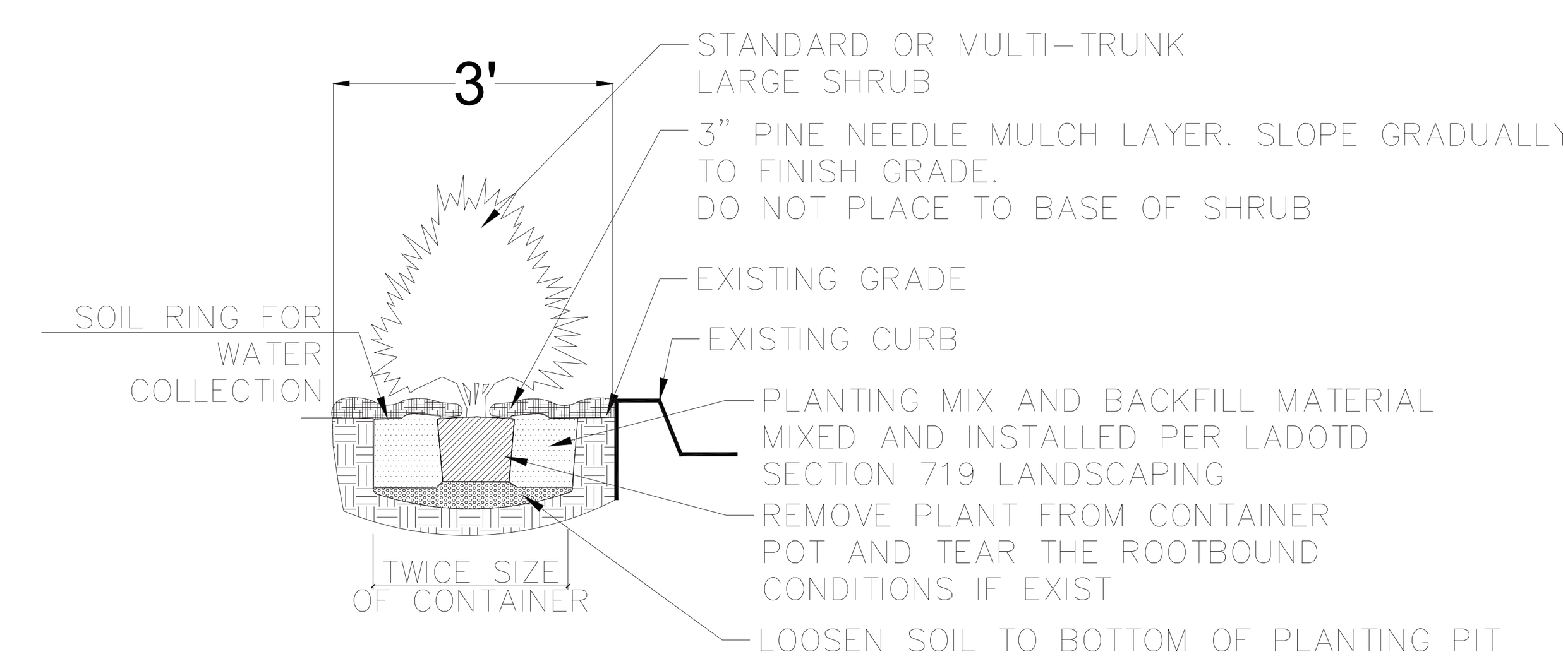
1 PLANTING DETAILS
NOT TO SCALE



1 SINGLE-TRUNK PLANTING DETAIL
N.T.S.



2 MULTI-TRUNK PLANTING DETAIL
N.T.S.



3 SHRUB PLANTING DETAIL AT PARKING EDGE
N.T.S.

LANDSCAPE INSTALLATION NOTES

1. CONTRACTOR TO REFER TO LA.D.O.T.D. STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES, 2016 EDITION, SECTION 739 FOR PLANTING INSTALLATIONS.

2. CONTRACTOR TO GUARANTEE ALL WORK, LABOR, AND MATERIALS TO THE THE CONTRACTOR WILL BE RESPONSIBLE FOR DAMAGE TO EXISTING LANDSCAPE AND HARDSCAPE AS A RESULT OF HIS WORK. REPAIRS SHALL BE MADE AT NO EXPENSE TO THE OWNER

3. ALL TREE LOCATIONS AND BED LINES SHALL BE FLAGGED BY LANDSCAPE CONTRACTOR FOR APPROVAL BY THE LANDSCAPE ARCHITECT OR PROJECT ARCHITECT PRIOR TO PROCEEDING.

4. TREES, SHRUBS, SODDING, AND MULCHING SHALL MEET SPECIFICATIONS AS INDICATED ON PLANS AND SHALL BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO DELIVERY. PHOTOGRAPHS OF REPRESENTATIVE PLANTS SHALL BE SUBMITTED TO THE LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO DELIVERY TO THE SITE. TREES DELIVERER TO THE SITE WITHOUT APPROVAL BY LANDSCAPE ARCHITECT OR THAT DO NOT MEET SPECIFICATIONS AS PER PLANS WILL BE REJECTED AND COST INCURRED WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

5 CONTRACTOR TO SCARIFY SIDES OF TREE PIT TO BREAK UP CLAY / HARD GROUND CONDITIONS TO SUPPORT FUTURE ROOT GROWTH AND PREVENT ROOT WRAPPING.

6. CONTRACTOR TO INSTALL SHRUBS AND GROUNDCOVER TO MEET DESIGN INTENT. PLANT MATERIAL COUNTS MAY NEED TO BE ADJUSTED BASED UPON CONSTRUCTION SITE CONDITIONS.

PLANT & MATERIAL LIST

ITEM	DESCRIPTION	UNIT	QUANTITY
1	(TREE) QUERCUS VIRGINIANA / SOUTHERN LIVE OAK (2½" to 3" CALIPER, 12'-14' HEIGHT, CONTAINER)	EACH	8
2	(TREE) FRAXINUS OXYCARPA 'RAYWOOD' / RAYWOOD ASH (2½" to 3" CALIPER, 12'-14' HEIGHT, CONTAINER)	EACH	4
3	(TREE) MAGNOLIA VIRGINIANA / SWEETBAY MAGNOLIA (2½" to 3" CALIPER, 12'-14' HEIGHT, CONTAINER)	EACH	24
4	(TREE) TAXODIUM ASCENDENS / POND CYPRESS/CONTAINER) (SPECIMEN) (3" CALIPER, 14-16' HT.)	EACH	16
5	(TREE) MYRICA CERIFERA / SOOUTHERN WAX MYRTLE (SPECIMEN) (MULTI-TRUNK, #30 CONTAINER)	EACH	11
6	(SHRUB) RHAPHIOLEPIS INDICA 'SNOW MAIDEN, 'SNOW INDIAN HAWTHORN (#7 CONTAINER CONTAINER) (SPACE 3' O.C.)	EACH	111
7	(SOD) CYNODON DACTYLON, COMMON BERMUDA (CLASS A SOD)	SQ.YD.	3154
8	4" DEPTH ROCK MULCH 1-1/2" DIAMETER SET ON LANDSCAPE FILTER FABRIC (90 MIL)	CU.YD.	28
9	PROJECT LANDSCAPE / IRRIGATION MAINTENANCE PERIOD (1 YEAR) (TREES & PLANTING BEDS)(NO GRASS MOWING	LUMP	1

Brossett Architect, LLC · 414 Pujo St., Lake Charles, LA 70601

LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2
4200 BROAD STREET
LAKE CHARLES, LA 70615
LANDSCAPE DETAILS

SHEET NO.
L1.3
ARCH #24009 BA

VER.	DATE	DESCRIPTION
A	05/06/2024	EXISTING CONDITIONS
B	05/07/2024	CONCEPT
C	11/01/2024	SCHEMATIC DESIGN
D	02/10/2025	DESIGN DEVELOPMENT
E	06/18/2025	CONSTRUCTION DOCUMENTS

CONSTRUCTION DOCUMENTS
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THOMAS PHILLIPS P-242 LANDSCAPE ARCHITECT
NOVEMBER 28, 2025

TJ PHILLIPS DESIGNS LLC
LANDSCAPE ARCHITECT - SITE PLANNER
900 FOISY ST. ALEXANDRIA, LA 71301
318.481.0166 (MOBILE)
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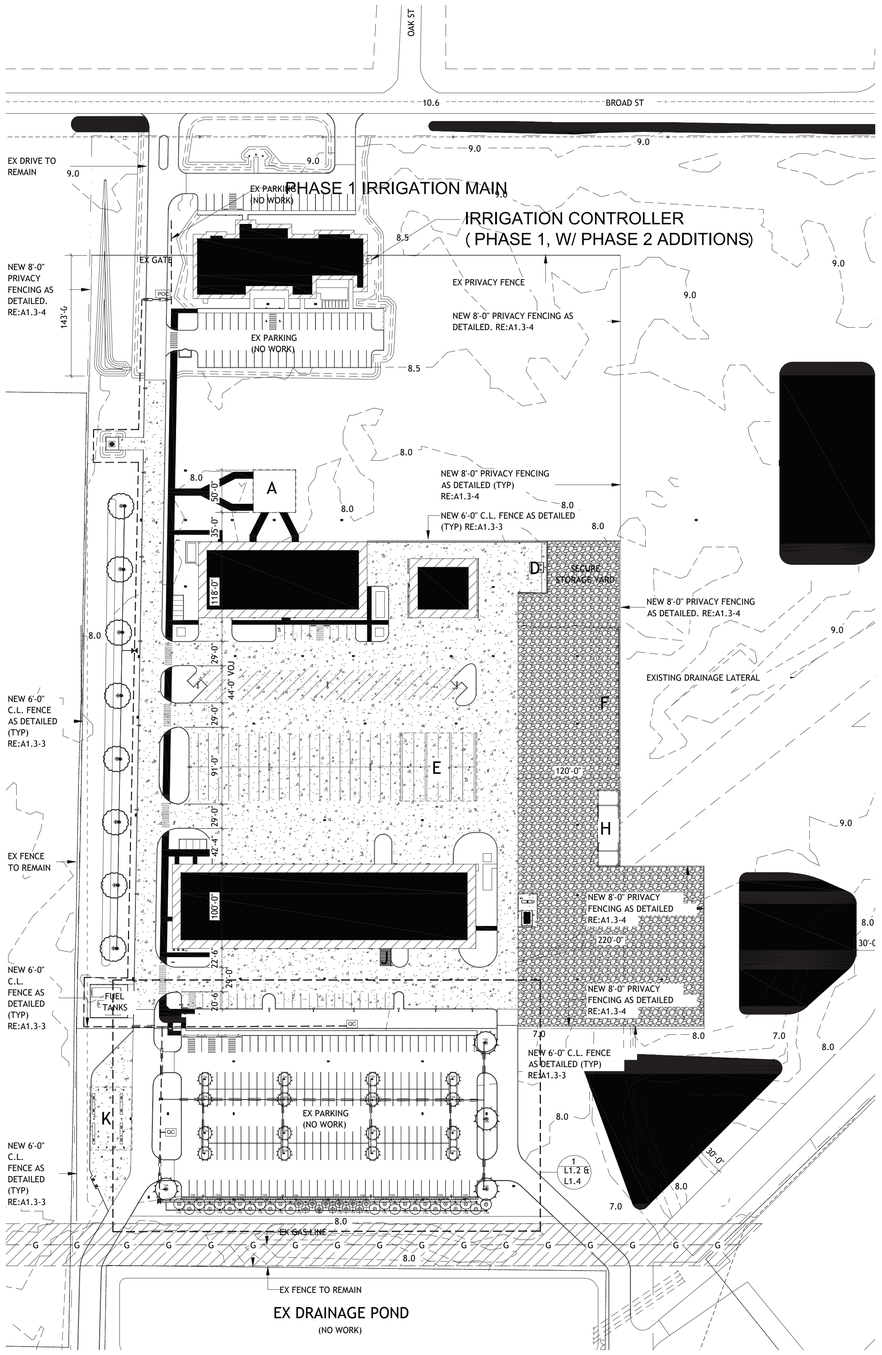
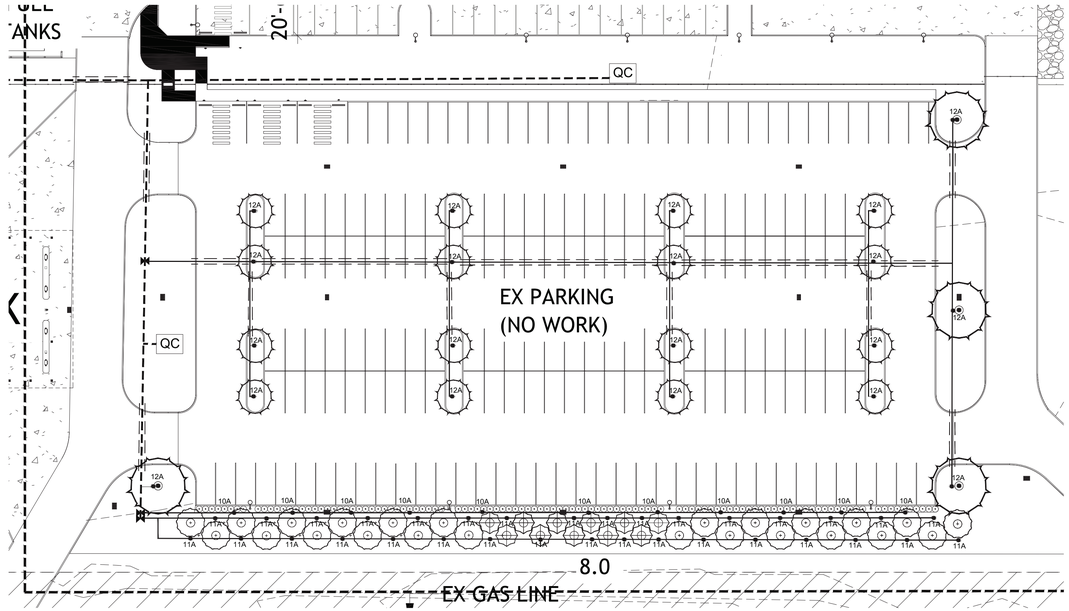
1 SEN J BENNETT JOHNSTON AVE IRRIGATION PLAN

SCALE: 1" = 80'-0"



2 SOUTH PARKING IRRIGATION PLAN

SCALE: 3/32"=1'-0"



IRRIGATION LEGEND

IRRIGATION ZONES - CONTROLLER 1 (PHASE 2 ADDITION)

ZONE	GPM	CODE	COMPONET
10	6	10A	RAINBIRD 1800-R VAN SST (3X30' RADIUS)
11	20	11A	RAINBIRD 1800-R VAN SST (3X30' RADIUS)
12	20	12A	RAINBIRD 1400-R STREAM BUBBLER
13	8	13A	RAINBIRD 1400-R STREAM BUBBLER

IRRIGATION SYMBOLS

POC	POINT OF CONNECTION TO WATER SUPPLY
⋈	RAINBIRD PEB ZONE VALVE
QC	RAINBIRD RC3 - QUICK COUPLING VALVE
▬▬▬	1 1/2" DIAMETER SCHEDULE 40 PVC MAIN
———	CLASS 200 PVC LATERAL LINES.
= = = =	SCHEDULE 80 PVC SLEEVE

IRRIGATION SYSTEM NOTES

1. CONTRACTOR TO PROVIDE AN IRRIGATION SYSTEM BY A LICENSED IRRIGATION COMPANY.

2. CONTRACTOR TO USE PUBLIC WORKS PHASE I CONTROLLER TO CONNECT CONTROL VALVES.

3. CONTRACTOR TO SUBMIT IRRIGATION PLAN CHANGES TO BROSSETT ARCHITECT, LLC FOR LANDSCAPE ARCHITECT REVIEW.

4. CONTRACTOR SEE IRRIGATION SPECIFICATIONS FOR SYSTEM COMPONENTS, PROCEDURES, AND REQUIREMENTS.

THOMAS HILLIPS P-242 REGISTERED LANDSCAPE ARCHITECT
NOVEMBER 25, 2025

TJ PHILLIPS DESIGNS LLC
LANDSCAPE ARCHITECT - SITE PLANNER
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Brossett Architect, LLC · 414 Pujo St., Lake Charles, LA 70601

LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2
4200 BROAD STREET
LAKE CHARLES, LA 70615
IRRIGATION PLAN

SHEET NO. L1.4

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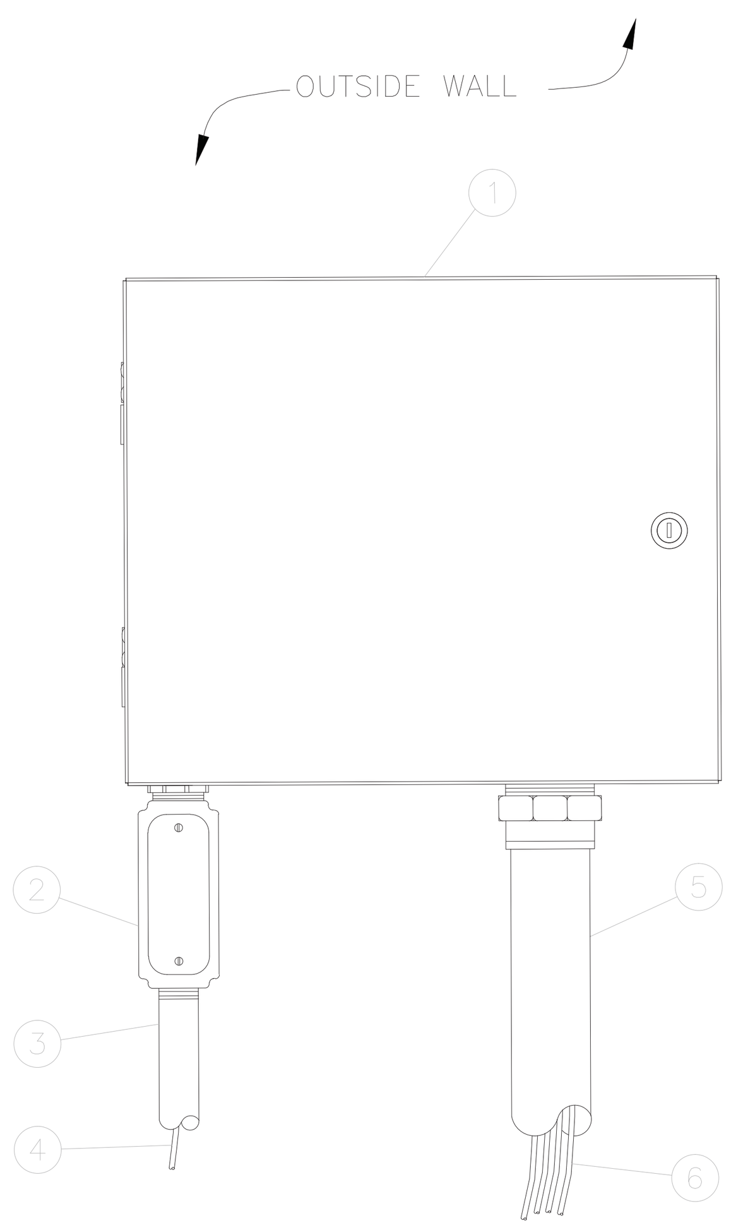
ARCH #24009 BA

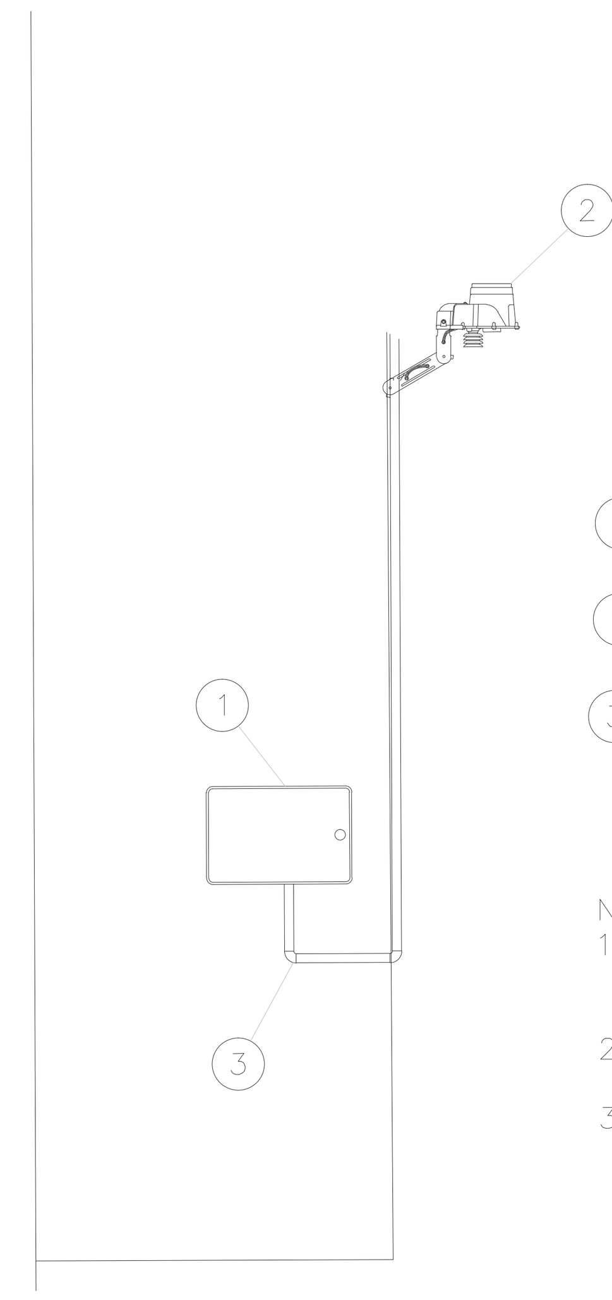
1 IRRIGATION DETAILS
NOT TO SCALE



1. IRRIGATION CONTROLLER: CONTROLLER IN METAL CABINET WITH OUTSIDE WALL MOUNT. INSTALL CONTROLLER AND CABINET ON WALL PER MANUFACTURER'S RECOMMENDATIONS.
2. JUNCTION BOX
3. 1-INCH CONDUIT AND FITTINGS TO POWER SUPPLY
4. POWER SUPPLY WIRE
5. 2-INCH CONDUIT AND FITTINGS FOR STATION WIRES
6. WIRES TO REMOTE CONTROL VALVES

NOT USED:
CONTRACTOR TO CONNECT TO EXISTING CONTROLLER FOR PHASE 2 IRRIGATION SERVICE

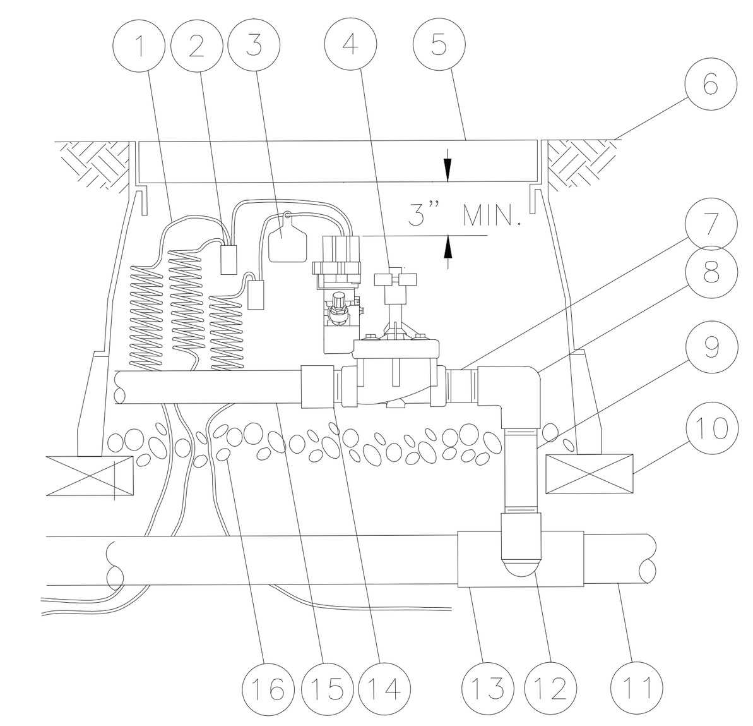
1 ~~CONTROLLER ESPME3 IN METAL CABINET~~
N.T.S.



1. CONTROLLER MOUNTED ON EXTERIOR WALL FACADE
2. RAIN CHECK SENSOR RECOMMENDED MOUNTING SITE
3. WIRE FROM CONTROLLER TO SENSOR

NOTES:
1. LENGTH OF WIRE FROM CONTROLLER TO SENSOR SHOULD BE NO GREATER THAN 200 FEET.
2. SENSOR MAY BE MOUNTED ON FENCE, FENCE POST OR ON EAVE OF HOUSE.
3. SENSOR SHOULD NOT BE MOUNTED UNDER TREES, IN AREAS AFFECTED BY SPRINKLER SYSTEM OR UNDER EAVE OF HOUSE.

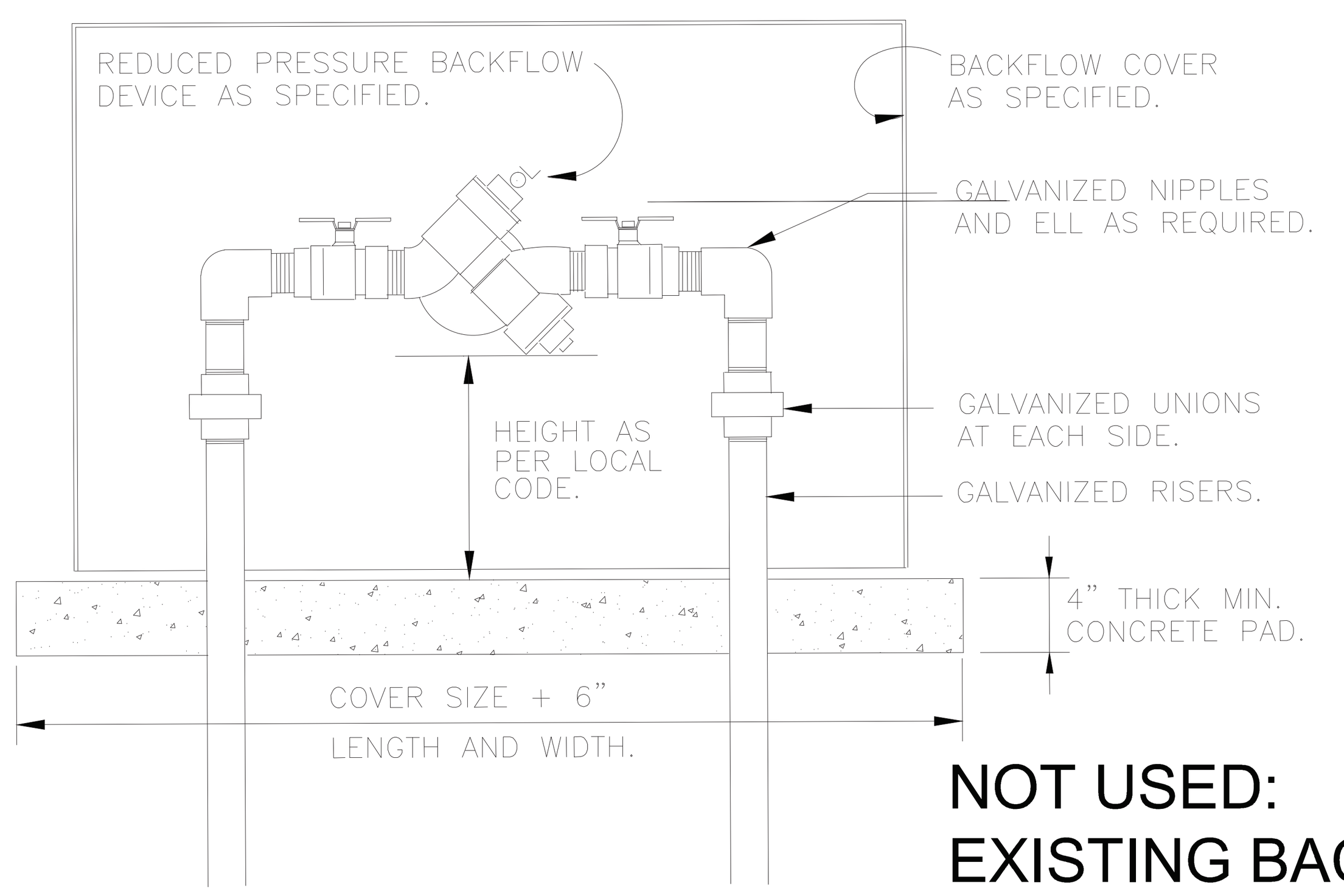
2 ~~WALL MOUNTED CONTROLLER DETAIL~~
N.T.S.



1. 30-INCH LINEAR LENGTH OF WIRE, COILED
2. WATERPROOF CONNECTION RAIN BIRD SPLICE-1 (1 OF 2)
3. ID TAG: RAIN BIRD VID SERIES
4. REMOTE CONTROL VALVE: RAIN BIRD PESB-PRS-D WITH NP-HAN
5. VALVE BOX WITH COVER: RAIN BIRD VB-STD
6. FINISH GRADE/TOP OF MULCH
7. PVC SCH 40 NIPPLE (CLOSE)
8. PVC SCH 40 ELL
9. PVC SCH 40 NIPPLE (LENGTH AS REQUIRED)
10. BRICK (1 OF 4)
11. PVC MAINLINE PIPE
12. SCH 40 NIPPLE (2-INCH LENGTH, HIDDEN) AND SCH 40 ELL
13. PVC SCH 40 TEE OR ELL
14. PVC SCH 40 MALE ADAPTER
15. PVC LATERAL PIPE
16. 3.0-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL

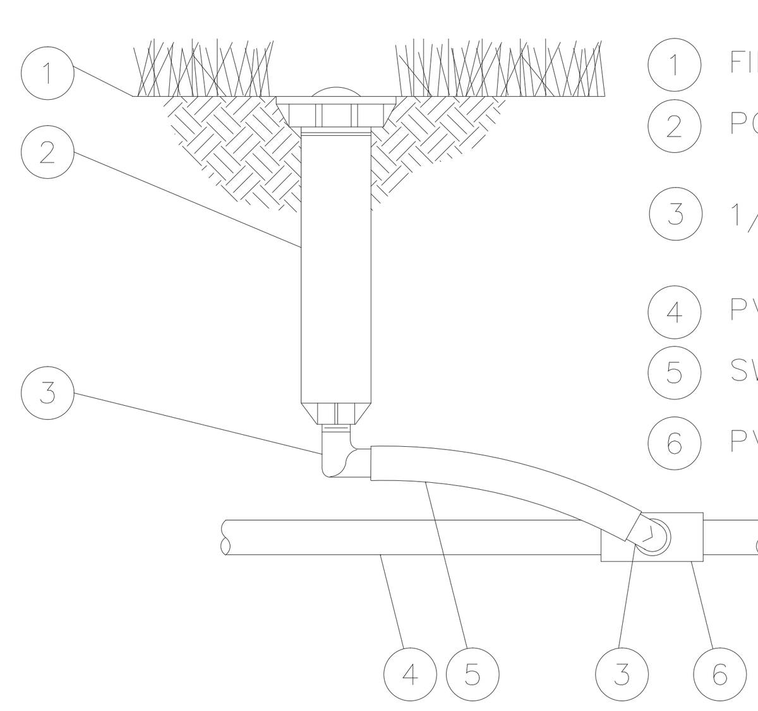
3 REMOTE CONTROL VALVE DETAIL
N.T.S.

BACKFLOW PREVENTION IS REQUIRED AND SHALL BE LOCATED AS CLOSE TO TAP AS POSSIBLE. SHALL BE INSTALLED BY WSPS CERTIFIED BACKFLOW PREVENTER INSTALLER.



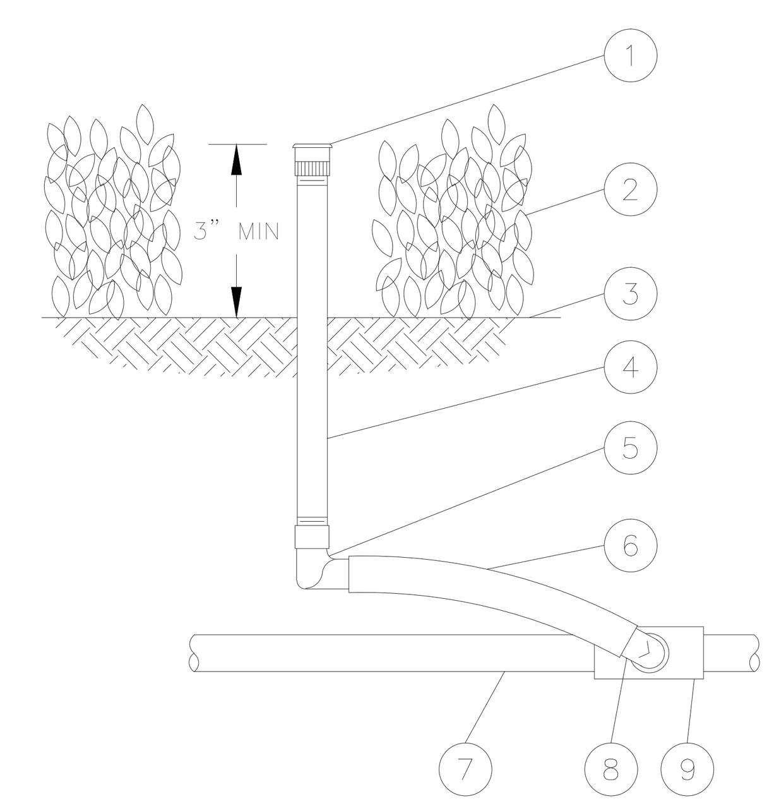
NOT USED:
EXISTING BACK-FLOW OWN SITE

4 ~~BACK-FLOW PREVENTOR DETAIL~~
N.T.S.



1. FINISH GRADE/TOP OF MULCH
2. POP-UP SPRAY SPRINKLER: RAIN BIRD 1804 WITH RAIN BIRD ROTARY NOZZLE
3. 1/2-INCH MALE NPT x .490 INCH BARB ELBOW: RAIN BIRD MODEL SBE-050
4. PVC LATERAL PIPE
5. SWING PIPE, 12-INCH LENGTH: RAIN BIRD MODEL SP-100
6. PVC SCH 40 TEE OR ELL

5 1804 POP-UP SPRAY SPRINKLER WITH ROTARY NOZZLE
N.T.S.



1. PRESSURE COMPENSATING FULL CIRCLE BUBBLER: RAIN BIRD 1400
2. PLANT MATERIAL
3. FINISH GRADE/TOP OF MULCH
4. UV RADIATION RESISTANT 1/2 INCH PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
5. 1/2-INCH FEMALE NPT x 0.490-INCH BARB ELBOW: RAIN BIRD MODEL SBFE-050
6. SWING PIPE, 12-INCH LENGTH: RAIN BIRD MODEL SP-100
7. PVC LATERAL PIPE
8. 1/2-INCH MALE NPT x .490-INCH BARB ELBOW: RAIN BIRD MODEL SBE-050
9. PVC SCH 40 TEE OR ELL

6 PRESSURE COMPENSATING FULL-CIRCLE BUBBLER 1400 SERIES ON RISER
N.T.S.

NOVEMBER 28, 2025

TJ PHILLIPS DESIGNS LLC
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Brossett Architect, LLC · 414 Pujo St., Lake Charles, LA 70601

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LAKE CHARLES PUBLIC WORKS NEW FACILITY PHASE 2
4200 BROAD STREET
LAKE CHARLES, LA 70615
IRRIGATION DETAILS

SHEET NO.
L1.5

ARCH #24009 BA

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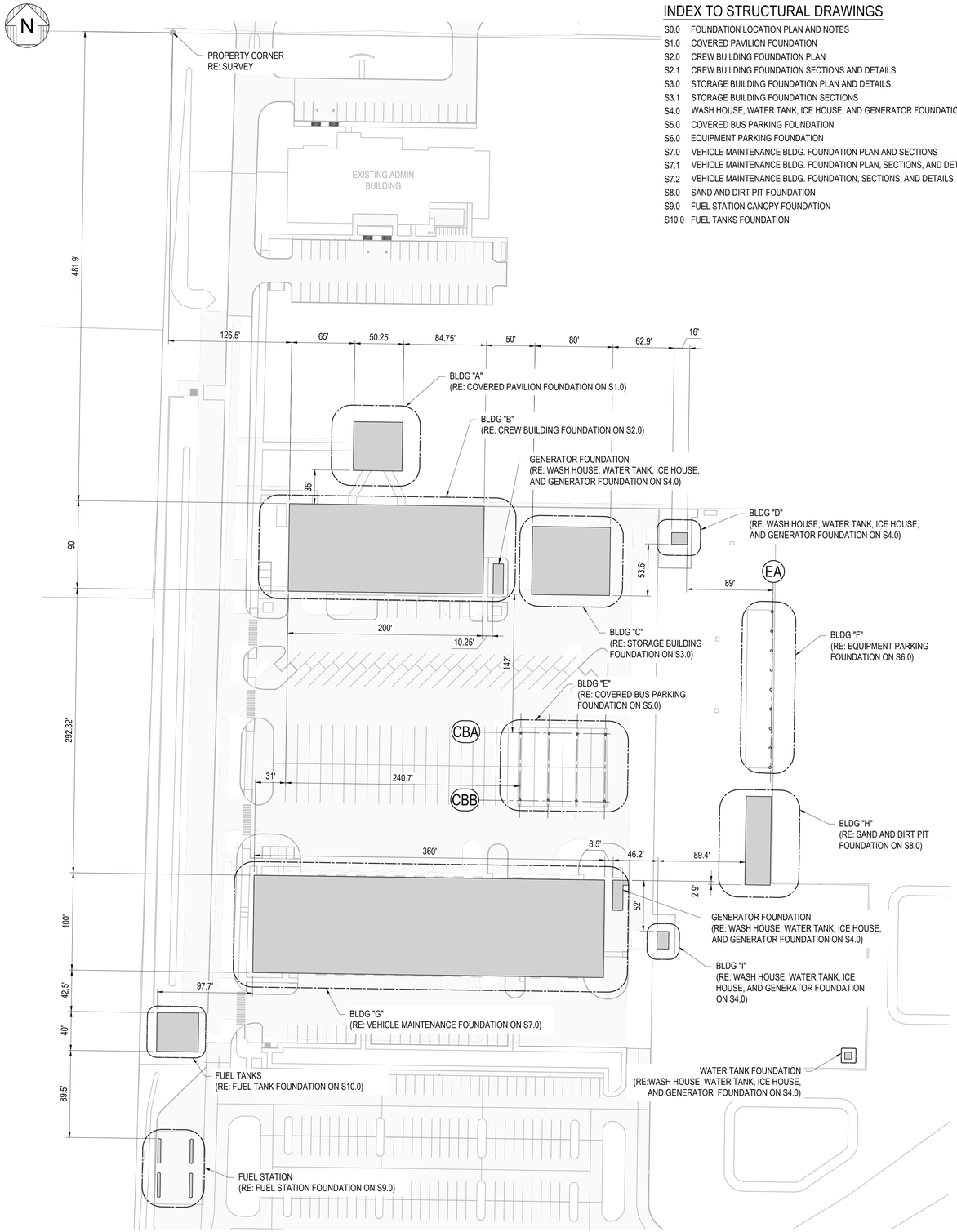

FOUNDATION LOCATION PLAN

SCALE: 1" = 60'

INDEX TO STRUCTURAL DRAWINGS

DRILLED SHAFT NOTES:

1. DRILLED SHAFT CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF ACI 336.1 (LATEST EDITION) "STANDARD SPECIFICATION FOR CONSTRUCTION OF DRILLED PIERS" AND AS INDICATED IN THE DRILLED SHAFT NOTES BEOW. REFER TO GEOTECHNICAL REPORT BY DANIEL J. HOLDER, P.E DATED 30 DECEMBER, 2023 (FILE NO. 23-038). FOR GENERAL SOIL CONDITIONS.
2. CAST IN PLACE CONCRETE (NORMAL WEIGHT) SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH EQUAL TO 3,000 PSI MINIMUM. CONCRETE SHALL MEET REQUIREMENTS FOR EXPOSURE CLASS P1 AND C1.
3. THE REINFORCING STEEL CAGE SHALL BE SUFFICIENTLY STIFF TO MAINTAIN ITS PROPORTIONS AND BAR POSITIONS DURING HANDLING AND PLACING.
4. REMOVE DEBRIS FROM THE BOTTOM OF EACH DRILLED SHAFT PRIOR TO POURING CONCRETE. FOR SLURRY CONSTRUCTION THE BASE OF SHAFT SHALL BE CLEANED IN ACCORDANCE WITH ACI 336.1 SECTION 3.7.3.5.
5. FREE FALL CONCRETING METHOD SHALL NOT BE USED TO POUR CONCRETE FOR DRILLED SHAFTS UNLESS APPROVED BY ENGINEER OF RECORD. OTHERWISE, ALL CONCRETE SHALL BE PLACED USING A TREMIE OR PUMP PIPE PER ACI 336.1 SECTION 3.7.5.
6. FOR DRY DRILLED SHAFT INSTALLATION, LIMIT WATER IN THE BOTTOM OF THE DRILLED SHAFT TO 2" PRIOR TO POURING CONCRETE. IF WATER SEEPS INTO THE SHAFT HOLE AT A RATE GREATER THAN 1/4" RISE PER MINUTE, EITHER CASING OR SLURRY MUST BE USED TO RETAIN THE SIDES OF THE EXCAVATION DURING THE CONCRETING PROCESS.
7. WHEN CASINGS ARE USED, PROCEED WITH THE PLACEMENT OF CONCRETE UNTIL THE CONCRETE LEVEL IS ABOVE THE LEVEL OF THE COLLAPSIBLE SOIL BEFORE THE CASING IS COMPLETELY LIFTED.
8. CONCRETE SHALL BE PLACED IN ONE CONTINUOUS OPERATION.
9. EXPOSED REINFORCEMENT SHALL BE PROTECTED AS REQUIRED UNTIL THE FOUNDATION CONSTRUCTION IS COMPLETE. REINFORCEMENT SHALL BE PLACED AS A SINGLE LENGTH IF POSSIBLE.
10. DURING THE COURSE OF EXCAVATION / DRILLING ACTIVITIES, UNUSUAL CIRCUMSTANCES SHALL BE REPORTED TO THE ENGINEER OF RECORD FOR REVIEW BY DESIGNATED GEOTECHNICAL ENGINEER.
11. CONCRETING SHALL BE COMPLETED THE SAME DAY EXCAVATION IS COMPLETED - REFER TO ACI 336.1 SECTION 3.7.2 IF THIS IS NOT POSSIBLE. DRY HOLES SHALL NOT BE LEFT OPEN OVERNIGHT.
12. CONTRACTOR SHALL TAKE PRECAUTIONS TO PROTECT EXISTING EQUIPMENT AND FACILITIES FROM EXCAVATED MATERIALS, DAMAGE, AND SLURRY. PROVIDE NECESSARY BARRIERS TO ENSURE EQUIPMENT STAYS PROTECTED.
13. SPOILS FROM DRILLED SHAFT EXCAVATIONS SHALL BE DISPOSED OF AS DIRECTED BY OWNER'S REPRESENTATIVE.

GENERAL STEEL NOTES:

1. ALL STRUCTURES SHALL BE SHOP FABRICATED UNLESS OTHERWISE SHOWN ON DRAWINGS.
2. DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH THE AISC MANUAL OF STEEL CONSTRUCTION, LATEST EDITION.
3. STRUCTURAL STEEL, PLATES, ETC, SHALL BE ASTM A36 (MIN. YIELD STRENGTH OF 36 KSI), EXCEPT HSS SHAPES, WHICH SHALL BE A500 GR. C (MIN. YIELD STRENGTH OF 46 KSI), AND W SHAPES, WHICH SHALL BE A992 (MIN. YIELD STRENGTH OF 50 KSI).
4. WELDING SHALL CONFORM TO AWS D1.1 USING AWS A5.2 OR AWS A5.5 E70XX LOW HYDROGEN ELECTRODES IN ACCORDANCE WITH THE LATEST AWS WELDING CODE AS MODIFIED BY AISC SPECIFICATION.
5. FIELD CONNECTIONS SHALL BE BOLTED, UNLESS NOTED OTHERWISE, AND CONNECTIONS SHALL DEVELOP FULL STRENGTH OF MEMBER.
6. BOLTED CONNECTIONS SHALL BE BOLTED WITH ASTM A325, 3/4"Ø HS BOLTS (MIN.), UNLESS NOTED OTHERWISE. ALL BOLTS, NUTS, AND WASHERS TO BE GALVANIZED. (EXCEPT FOR ASTM A490 BOLTS).
7. ALL HOLES SHALL BE 13/16"Ø FOR 3/4"Ø BOLTS, UNLESS NOTED OTHERWISE.
8. ALL HIGH STRENGTH BOLTED CONNECTIONS SHALL BE BEARING TYPE WITH MINIMUM OF TWO 3/4"Ø BOLTS, THREADS INCLUDED IN SHEAR PLANE (ASTM A325N), UNLESS NOTED OTHERWISE. PROVIDE MAXIMUM NUMBER OF BOLTS THAT WILL FIT ON 3" CENTERS FOR STANDARD CONNECTIONS.
9. ALL BOLTS SHALL BE TIGHTENED BY THE TURN-OF-THE-NUT METHOD TO THE MINIMUM TENSION AS SPECIFIED IN THE SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS, UNLESS NOTED OTHERWISE.
10. STEEL FABRICATOR TO FURNISH ALL BOLTS, NUTS, WASHERS, CLIPS, ETC. NECESSARY FOR ERECTION, PLUS FIVE (5) PERCENT EXTRA.
11. GUSSET PLATES SHALL BE 3/8" THICK MINIMUM.
12. WELDS SHALL BE 3/16" THICK FILLET MINIMUM UNLESS NOTED OTHERWISE.
13. REMOVE ALL BURRS AND SHARP EDGES AFTER FABRICATION, BUT PRIOR TO FINISHING.
14. ALL STRUCTURAL STEEL TO RECEIVE CORROSION PROTECTION. USE SHOP PRIMER UNLESS NOTED OTHERWISE.
15. STEEL FABRICATOR SHALL PROVIDE SHOP DRAWINGS (2 COPIES EACH) TO CONTRACTOR FOR APPROVAL BY ENGINEER, PRIOR TO FABRICATION. THIS SHALL INCLUDE A REPRODUCIBLE DRAWING OF ERECTION PLAN.
16. ERECTOR SHALL PROVIDE ALL TEMPORARY SHORING AND BRACING NEEDED FOR STABILITY UNTIL STRUCTURE IS COMPLETE.
17. HOLES REQUIRED FOR FIELD ERECTION SHALL BE DRILLED OR PUNCHED. NO BURNING WILL BE PERMITTED WITHOUT PRIOR APPROVAL FROM OWNER'S REPRESENTATIVE.
18. CONFIRM FINAL FRAME DIMENSIONS WITH OVERHEAD DOOR VENDOR PRIOR TO FABRICATION.
19. REFER TO ARCHITECTURAL DRAWINGS FOR ALL FINISHINGS, WEATHER-PROOFING DETAILS, ETC.
20. ALL EXTERIOR STRUCTURAL STEEL, INCLUDING HANDRAILS, LADDERS, FASTENERS, ETC., SHALL BE CLEANED, PICKLED, AND HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM A123 (OR EQUAL). ALL NECESSARY PRECAUTIONS SHALL BE EXERCISED DURING GALVANIZING TO PREVENT DEFORMATION AND ALL STEEL SHALL BE STRAIGHTENED IF NECESSARY BEFORE SHIPPING.
21. GALVANIZED MEMBERS FIELD CUT, DAMAGED, OR WELDED SHALL HAVE DAMAGED GALVANIZING REPAIRED WITH "ZRC COLD GALVANIZING COMPOUND" (AS MANUFACTURED BY ZRC CHEMICAL PRODUCTS INC., QUINCY, MASS.), OR AN APPROVED EQUAL, APPLIED PER THE MANUFACTURER'S RECOMMENDATIONS BY ERECTOR. SPRAY GALVANIZING WILL NOT BE ACCEPTED. ALL REPAIRS SHALL COMPLY WITH ASTM A780.

GENERAL CONCRETE NOTES:

1. ALL CONCRETE SHALL CONFORM TO ASTM C94, READY MIX CONCRETE HAVING A MAXIMUM AGGREGATE SIZE OF 1" AND A MAXIMUM SLUMP OF 5". PORTLAND CEMENT SHALL BE TYPE "1","2", OR "1L". CONVEYANCE AND PLACEMENT OF ALL CONCRETE SHALL BE IN ACCORDANCE WITH ACI 315 AND 318, LATEST EDITIONS. CONCRETE SHALL HAVE A MINIMUM DESIGN COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS UNLESS NOTED OTHERWISE.
2. CONSTRUCTION SHALL BE IN ACCORDANCE WITH ACI 318, LATEST EDITION.
3. ALL CONCRETE NOT PLACED DIRECTLY AGAINST UNDISTURBED SOIL SHALL BE FORMED. ALL FORM MATERIALS SHALL BE OF GOOD QUALITY, ERECTED TO PROPER ELEVATIONS, AND ADEQUATELY BRACED. **REFER TO PLANS FOR AREAS REQUIRING USE OF "FORM-PLY" OR OTHER SMOOTH-FACED FORM MATERIALS.** ALL FORMS SHALL REMAIN IN PLACE A MINIMUM OF 24 HOURS AFTER CONCRETE HAS REACHED "FINAL" SET. ALL EXPOSED CONCRETE SHALL BE FINISHED WITH A 1", 45-DEGREE, CONTINUOUS CHAMFER.
4. ALL CONCRETE SHALL BE PROTECTED AND MAINTAINED IN A MOISTENED CONDITION FOR A MINIMUM OF SEVEN (7) DAYS OR TREATED WITH A CURING COMPOUND FREE FROM OILS AND PARAFFIN BASED MATERIALS.
5. ALL REINFORCEMENT STEEL SHALL BE INTERMEDIATE GRADE, NEW BILLET STEEL, DEFORMED BAR AND CONFORM TO ASTM A615, GRADE 60.
6. WELDED WIRE FABRIC REINFORCEMENT SHALL CONFORM TO THE REQUIREMENTS OF ASTM-185. LAP 12" MINIMUM.
7. ALL HORIZONTAL REINFORCING BARS SHALL BE CONTINUOUS AROUND CORNERS AND THROUGH INTERSECTIONS. ALL SPLICES SHALL HAVE A MINIMUM LAP OF 40 BAR DIAMETERS. ALL TERMINATING REBAR RUNS SHALL HAVE A FULLY DEVELOPED STANDARD HOOK AT THE TERMINATING END. BARS AT THICKENED EDGES AND JOINTS SHALL BE SUPPORTED BY CHAIRS SPACED NO GREATER THAN 4'-0" C/C.
8. ALL DETAILING, FABRICATION, AND PLACEMENT OF REINFORCEMENT STEEL SHALL CONFORM TO THE MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES, ACI 315, LATEST EDITION.
9. REINFORCING STEEL COVERAGE UNLESS NOTED OTHERWISE:
   a. FOOTINGS AND GRADE BEAMS: 3" BOTTOM, TOP, AND SIDES
   b. PEDESTALS: 2" ALL SIDES AND TOP
11. ALL REINFORCEMENT STEEL SHALL BE TIED AT ADEQUATE INTERVALS WITH 16 GAUGE DOUBLE ANNEALED TIE WIRE.
12. ALL REINFORCEMENT BAR SPLICES SHALL BE BASIC CLASS "B" TENSION LAP SPLICES.
13. ALL PORTLAND CEMENT GROUT SHALL BE FIVE STAR PRODUCTS (TM) "FIVE STAR GROUT" (OR APPROVED EQUAL) PORTLAND CEMENT BASED GENERAL PURPOSE GROUT.
14. ALL ANCHOR BOLTS SHALL CONFORM TO ASTM F1554, GRADE 36 MATERIAL, AND SHALL BE "HOT-DIP" GALVANIZED AFTER FABRICATION. EXPOSED PROJECTIONS OF ALL ANCHOR BOLTS SHALL BE GREASED AND PROTECTIVE WRAPPED PRIOR TO PLACEMENT OF CONCRETE.
15. PRIOR TO POURING NEW CONCRETE AGAINST EXISTING CONCRETE, EXISTING SHALL BE THOROUGHLY CLEANED, AND ROUGHENED, AND COATED WITH SIKADUR 32 HI-MOD LPL EPOXY BONDING AGENT (OR APPROVED EQUAL) IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
16. EXTERIOR CONCRETE PAVEMENT TO RECEIVE BROOM FINISH PER SPECIFICATIONS. REFER TO SPECIFICATIONS FOR BUILDING INTERIOR FLOOR AREAS.
17. ALL CONCRETE PAVEMENT OR SLAB JOINTS NOT SHOWN OR LABELED SHALL BE CONTROL JOINTS. DOWELS SHALL BE SMOOTH BAR TYPE IN BOTH CONTRACTION AND EXPANSION JOINTS UNLESS NOTED OTHERWISE. ONE SIDE OF THE DOWELS SHALL BE EITHER GREASED OR HAVE PLASTIC CAPS INSTALLED OVER THE ENDS OF THE BARS. SECURE DOWELS TO MAINTAIN LEVEL DURING CONCRETE POUR.

SUBGRADE AND STRUCTURAL FILL NOTES:

1. ALL SUBGRADE PREPARATION SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEERING REPORT BY DANIEL J. HOLDER, PE. DATED 30 DECEMBER, 2023 (FILE NO. 23-038).
2. CONTRACTOR SHALL REMOVE TOPSOIL AND VEGETATION FOR EACH BUILDING OR PAD AS INDICATED BELOW AND AS OUTLINED IN THE REPORT MENTIONED ABOVE. CONTRACTOR SHALL PROOF ROLL THE AREA TO CHECK FOR SOFT SPOTS. IF SOFT SPOTS ARE ENCOUNTERED, THEN THEY SHALL BE EXCAVATED AND REPLACED WITH STRUCTURAL FILL.
   a. PAVILION ELEV. OF 7.0'
   b. CREW BLDG. ELEV. OF 7.0'
   c. STORAGE BLDG. ELEV. OF 7.0'
   d. WASH HOUSE ELEV. OF 7.0'
   e. VEHICLE MAINTAINCE ELEV. OF 7.0'
   f. SAND & DIRT PIT ELEV. OF 6.0'
   g. ICE HOUSE ELEV. OF 7.0'
   h. FUEL TANKS ELEV. OF 5.5'
3. INSTALL SELECT STRUCTURAL FILL TO THE REQUIRED ELEVATION DIRECTLY UNDER, AND A MINIMUM OF 5 FEET OUTSIDE OF THE FOUNDATION PERIMETER. REMOVE ANY ABANDONED FOUNDATIONS, RUBBLE, OR STRUCTURES WHICH FALL IN NEW FOUNDATION FOOTPRINT. FINAL THICKNESS OF UNIFORM SELECT FILL BUILDING PAD SHOULD BE NO LESS THAN 4.0 FEET THICK.
4. SELECT STRUCTURAL FILL SHALL BE A SILTY OR SANDY CLAY WITH A LIQUID LIMIT OF 30 TO 42, A PLASTICITY INDEX OF 12 TO 22, AND A MAXIMUM PARTICLE SIZE OF 2 INCHES. PROPERTIES OF FILL MATERIALS ARE TO BE VERIFIED BY AN INDEPENDENT TESTING LABORATORY PRIOR TO INSTALLATION.
5. STRUCTURAL FILL SHALL BE PLACED IN 6 INCH THICK OR LESS LOOSE LIFTS AND COMPACTED TO 95% OF THE SOILS STANDARD PROCTOR MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D698. MOISTURE CONTENT SHALL BE PLUS OR MINUS 2% OF THE OPTIMUM MOISTURE CONTENT. COMPACTION SHOULD BE ACCOMPLISHED WITH THE USE OF A SHEEPSFOOT ROLLER OR MECHANICAL COMPACTOR. EACH LIFT SHALL HAVE A MINIMUM OF ONE COMPACTION TEST PER 2500 SQUARE FEET PERFORMED BY AN INDEPENDENT LABORATORY. EACH LIFT MUSS PASS COMPACTION TESTS PRIOR TO INSTALLATION OF NEXT LIFT.
6. A DRAINAGE PATH AWAY FROM THE FOUNDATION SHOULD BE MAINTAINED UNTIL ALL FOUNDATION WORK IS COMPLETE. MINIMUM SLOPE AWAY FROM BUILDING SHOULD BE 10 HORIZONTAL TO 1 VERTICAL (10:1). MAXIMUM SLOPE AWAY FROM BUILDING SHOULD BE 3:1.
7. A 3" LAYER OF WASHED SAND SHALL BE INSTALLED AND COMPACTED TO 95% RELATIVE DENSITY IMMEDIATELY BELOW FLOOR SLAB.

NOTE:

REFER TO ARCHITECTURAL AND CIVIL PLANS FOR INFORMATION NOT SHOWN.

BENCHMARK NOTE:

A BENCHMARK HAS NOT BEEN SET FOR THIS PROJECT WITH THE PROVIDED SURVEY FROM D.W. JESSEN AND ASSOCIATES. THE WEST SIDE OF THE TOP OF CONCRETE HEADWALL AT THE SOUTHWEST CORNER OF BROAD ST. AND J. BENNETT JOHNSTON AT ELEVATION 10.52' (1953 BENCHMARK) MAY BE USED AS REFERENCE ONCE CONFIRMED WITH SURVEYOR.

THE CONTRACTOR IS RESPONSIBLE FOR HAVING PROJECT BENCHMARKS SET FOR CONSTRUCTION. COORDINATION WITH ORIGINAL SURVEYOR IS ENCOURAGED.

CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND MUST NOTIFY LOUISIANA 811 BY CALLING **811** OR **1-800-272-3020** OR BY VISITING **LOUISIANA811.COM** AT LEAST TWO BUSINESS DAYS PRIOR TO COMMENCEMENT OF ANY WORK.

Louisiana 811
LOUISIANA811.COM

FOR CONSTRUCTION

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NATHAN E. JORDAN
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12/20/2025

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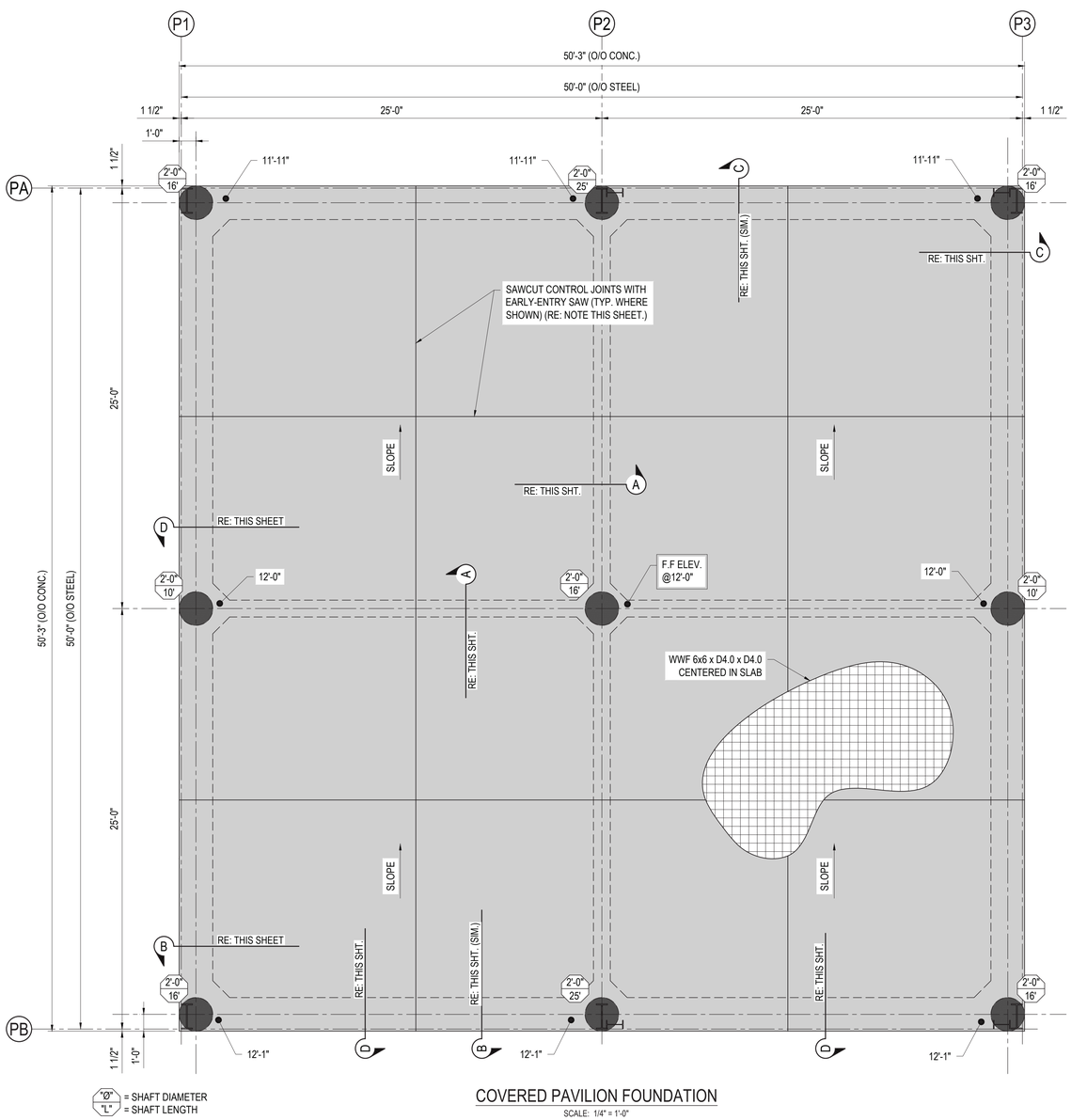
LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2
4200 BROAD STREET
LAKE CHARLES, LA 70615

FOUNDATION LOCATION PLAN AND NOTES

SHEET NO. S0.0

ARCH # 24009BA

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS



COVERED PAVILION FOUNDATION

SCALE: 1/4" = 1'-0"

NOTE:
REFER TO FOUNDATION LOCATION PLAN FOR BUILDING LOCATION ON SITE.

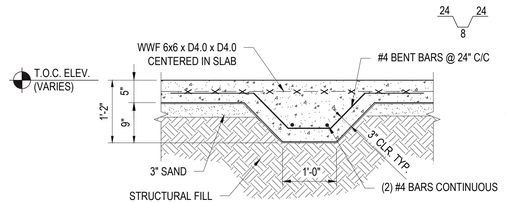
NOTE:
REFER TO CIVIL SITE PLANS FOR PAVING SURFACING, DETAILS, & ELEVATIONS

NOTE:
MAX BASEPLATE SIZE FOR PEMB FRAMING = 12" x 22"

NOTE:
CONTRACTOR TO FURNISH PEMB COLUMN REACTIONS TO ENGINEER FOR FINAL FOUNDATION DESIGN PRIOR TO CONSTRUCTION.

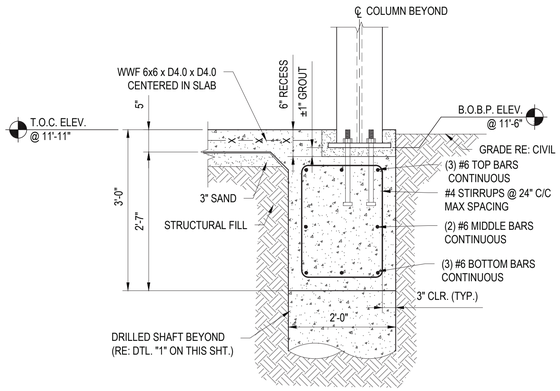
NOTE:
SAWCUT USING AN EARLY ENTRY SAW ACHIEVING 1" DEEP BY 1/8" MIN. WIDTH MAKING CUT BETWEEN 4-8 HOURS AFTER FINISHING SLAB.

NOTE:
ADJUST GRADE BEAM REINFORCING TO CLEAR RECESSED COL. BASEPLATES & ANCHOR BOLTS.



SECTION "A"

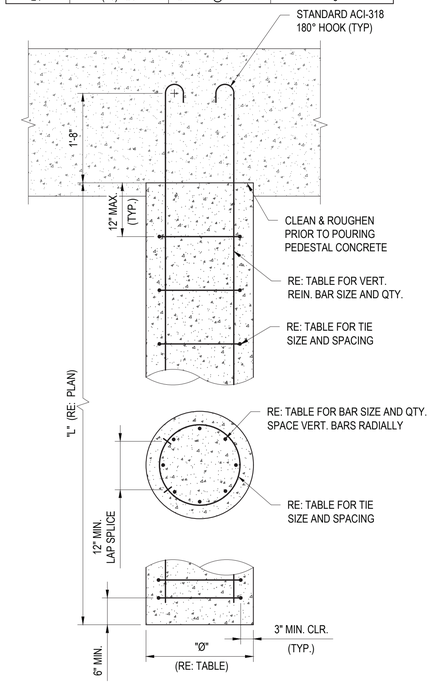
SCALE: 3/4" = 1'-0"



SECTION "C"

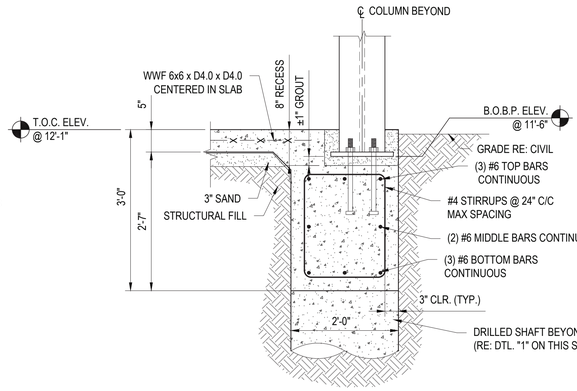
SCALE: 3/4" = 1'-0"

SHAFT DIAMETER	VERTICAL REINFORCEMENT	TIE SIZE & SPACING	MIN. # TO EXTEND VERT. BARS INTO GRADEBEAM
24"	(10) - #6	#4 BAR @ 12" MAX	6



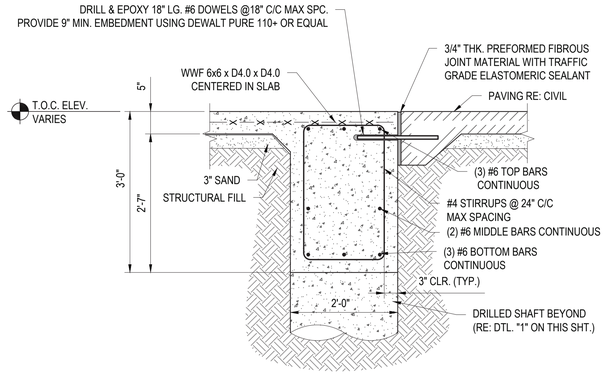
DETAIL "1"

SCALE: 3/4" = 1'-0"



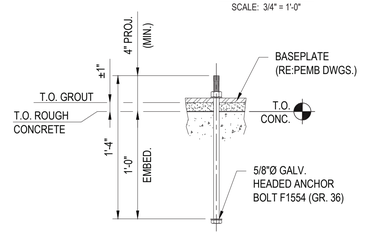
SECTION "B"

SCALE: 3/4" = 1'-0"



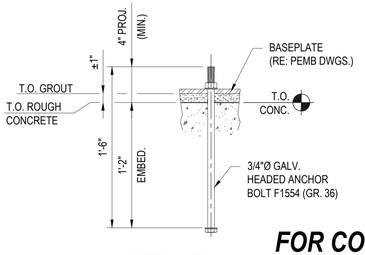
SECTION "D"

SCALE: 3/4" = 1'-0"



DETAIL "2" 5/8"Ø ANCHOR BOLT

SCALE: 1 1/2" = 1'-0"



DETAIL "3" 3/4"Ø ANCHOR BOLT

SCALE: 1 1/2" = 1'-0"

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LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2

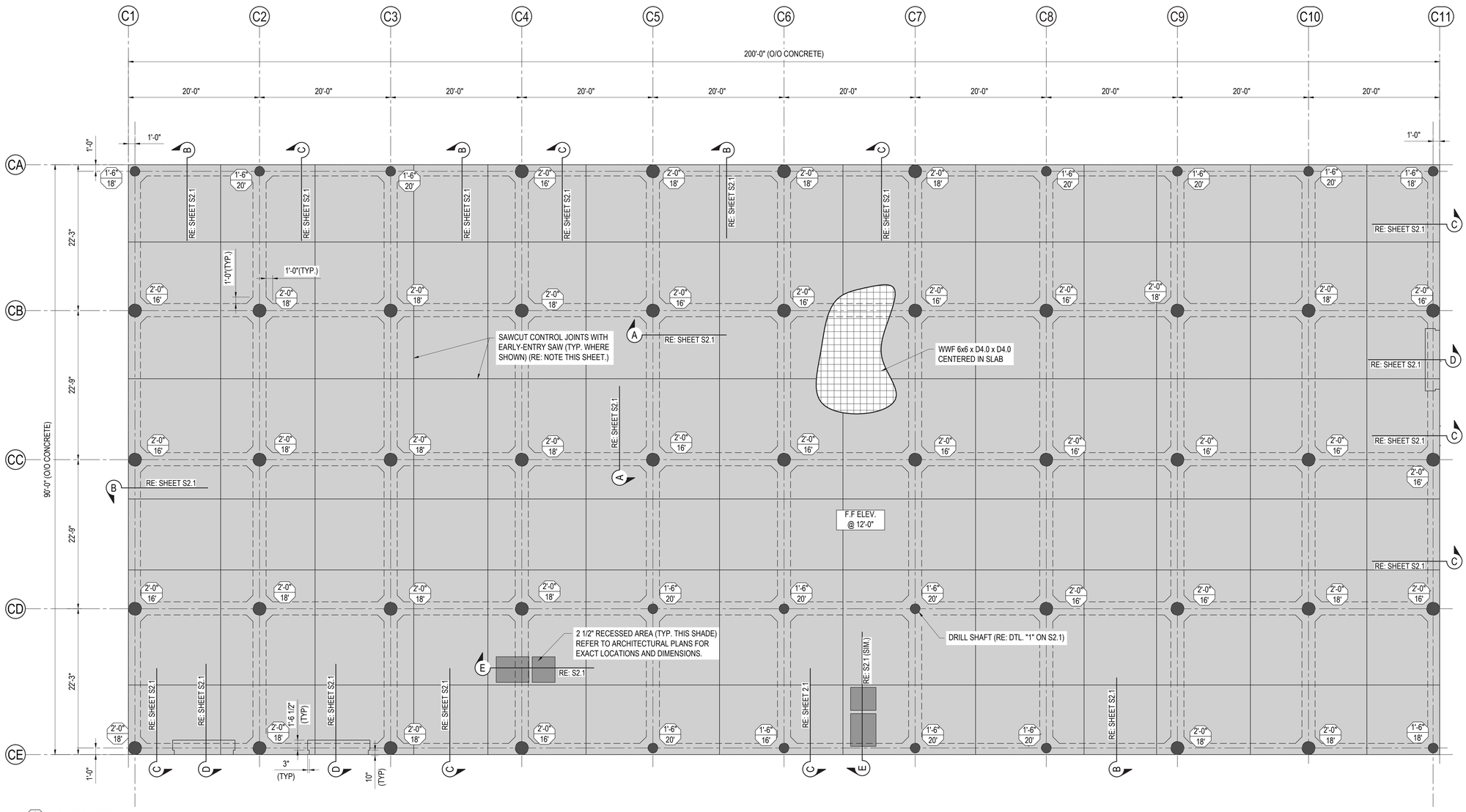
4200 BROAD STREET
LAKE CHARLES, LA 70615

COVERED PAVILION FOUNDATION

SHEET NO. **S1.0**

ARCH # 24009BA

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS



CREW BUILDING FOUNDATION PLAN

SCALE: 1/8" = 1'-0"

NOTE:
REFER TO FOUNDATION LOCATION PLAN FOR BUILDING LOCATION ON SITE.

NOTE:
REFER TO CIVIL SITE PLANS FOR PAVING SURFACING, DETAILS, & ELEVATIONS

NOTE:
CONTRACTOR TO FURNISH PEMB COLUMN REACTIONS TO ENGINEER FOR FINAL FOUNDATION DESIGN PRIOR TO CONSTRUCTION.

NOTE:
SAWCUT USING AN EARLY ENTRY SAW ACHIEVING 1" DEEP BY 1/8" MIN. WIDTH MAKING CUT BETWEEN 4-8 HOURS AFTER FINISHING SLAB.

NOTE:
MAXIMUM BASEPLATE SIZE FOR PEMB FRAMING = 12" x 22"

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4200 BROAD STREET
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CREW BUILDING FOUNDATION PLAN

SHEET NO. S2.0

ARCH # 24009BA

VER.	DATE	DESCRIPTION
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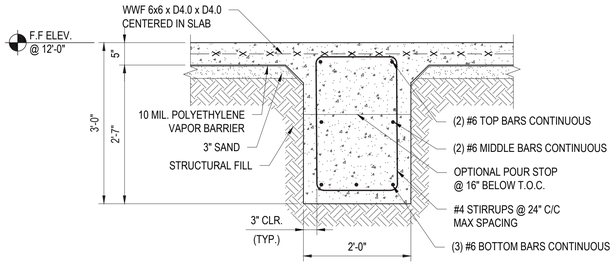
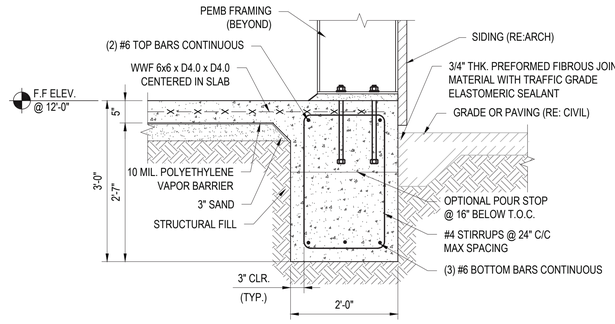


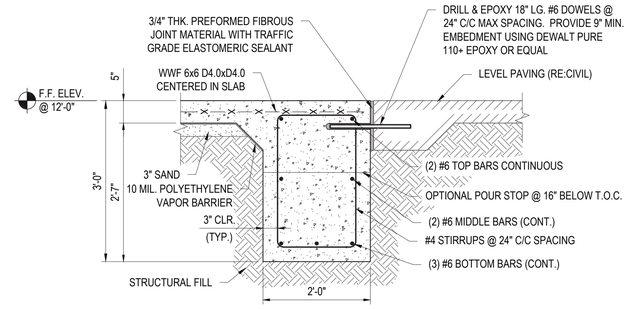
SECTION "A"

SCALE: 3/4" = 1'-0"



SECTION "B"

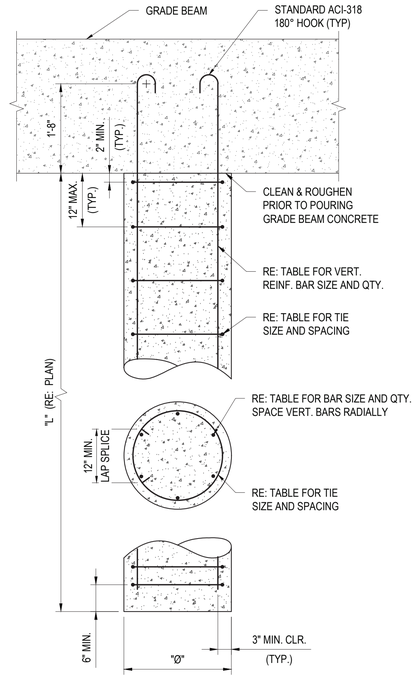
SCALE: 3/4" = 1'-0"



SECTION "C"

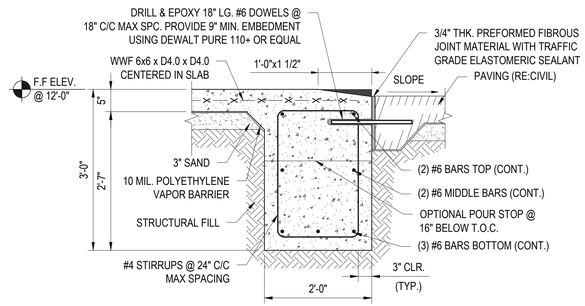
SCALE: 3/4" = 1'-0"

SHAFT DIAMETER	VERTICAL REINFORCEMENT	TIE SIZE & SPACING	MIN. # TO EXTEND VERT. BARS INTO GRADEBEAM
1'-6"	(6) - #6	#4 BAR @ 12" MAX	4
2'-0"	(10) - #6	#4 BAR @ 12" MAX	6



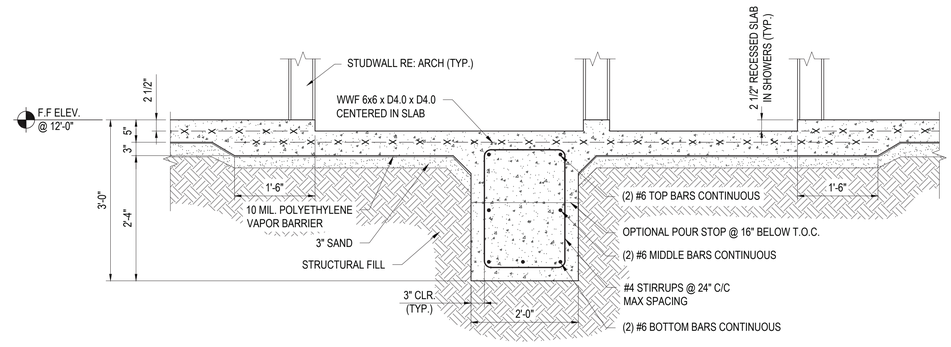
DETAIL "1"
TYPICAL DRILL SHAFT

SCALE: 3/4" = 1'-0"



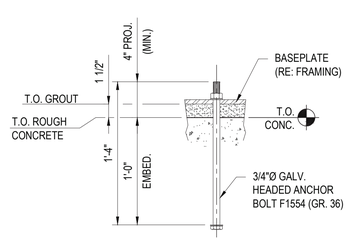
SECTION "D"

SCALE: 3/4" = 1'-0"



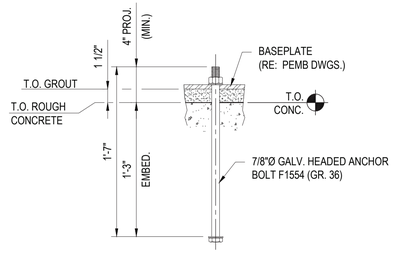
SECTION "E"

SCALE: 3/4" = 1'-0"



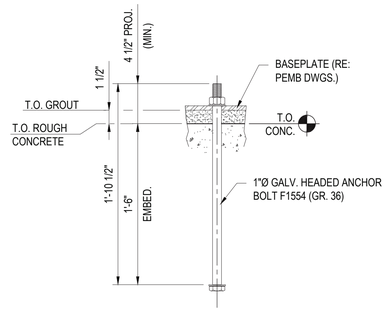
DETAIL "2"
3/4"Ø ANCHOR BOLT

SCALE: 1 1/2" = 1'-0"



DETAIL "3"
7/8"Ø ANCHOR BOLT

SCALE: 1-1/2" = 1'-0"



DETAIL "4"
1"Ø ANCHOR BOLT

SCALE: 1-1/2" = 1'-0"

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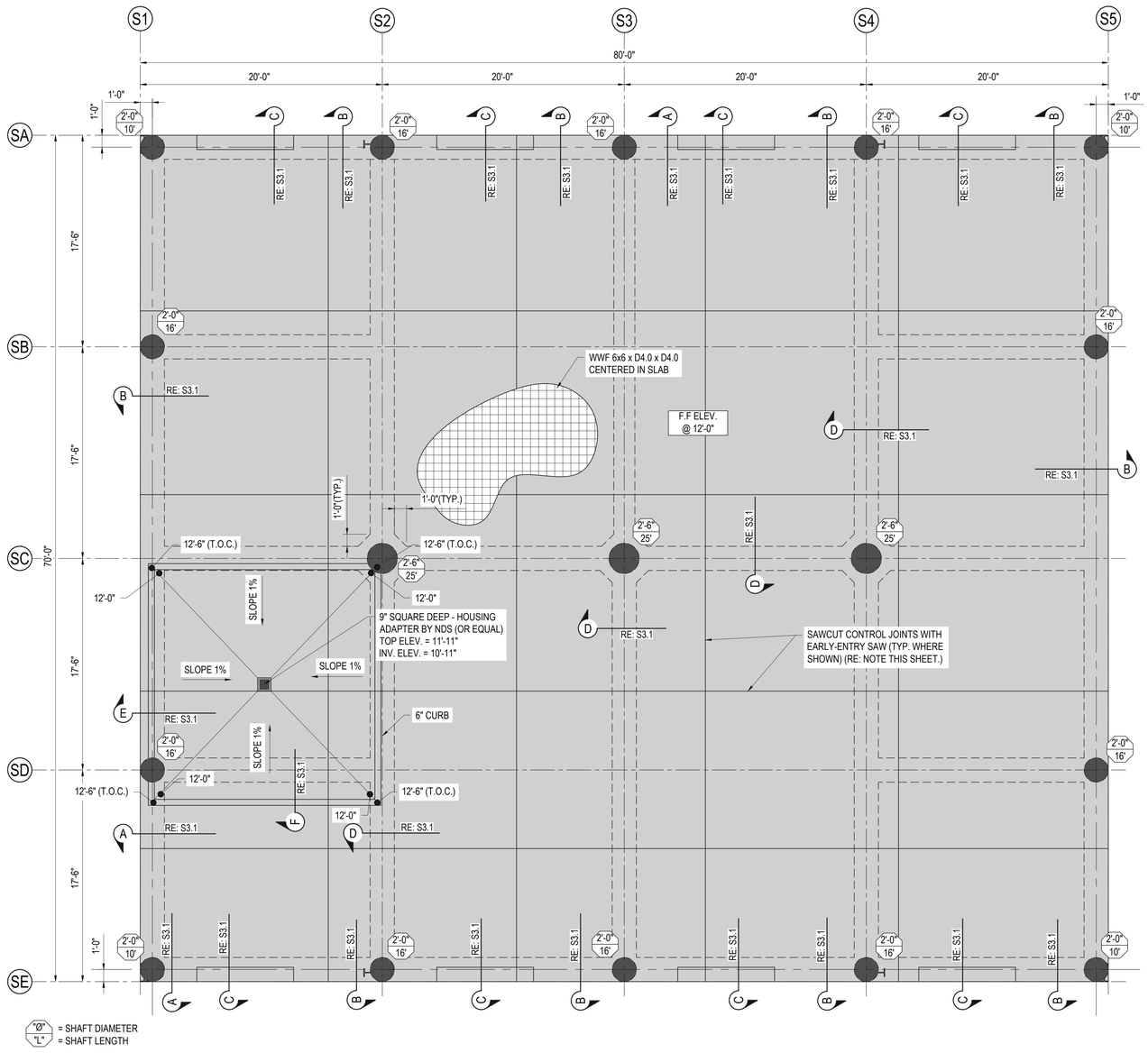
LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2
4200 BROAD STREET
LAKE CHARLES, LA 70615
CREW BUILDING FOUNDATION SECTIONS AND DETAILS

SHEET NO. S2.1

ARCH # 24009BA

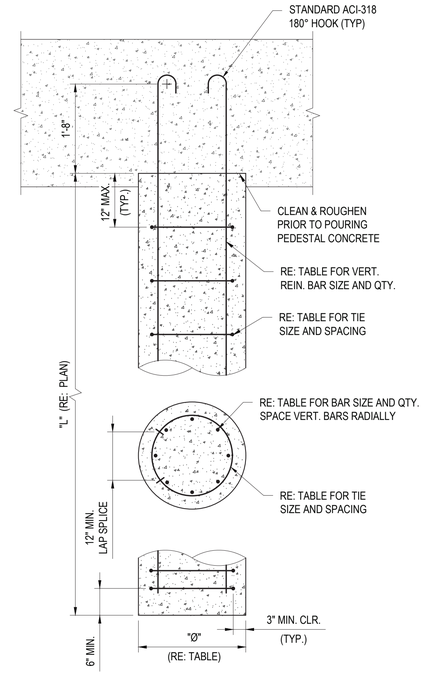
VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS



STORAGE BUILDING FOUNDATION PLAN

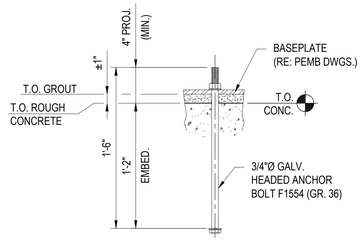
SCALE: 3/16" = 1'-0"

SHAFT DIAMETER	VERTICAL REINFORCEMENT	TIE SIZE & SPACING	MIN. # TO EXTEND VERT. BARS INTO GRADEBEAM
24"	(10) - #6	#4 BAR @ 12" MAX	6
30"	(12) - #6	#4 BAR @ 12" MAX	6



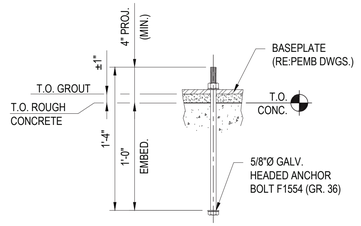
DETAIL "1"
TYPICAL DRILL SHAFT

SCALE: 3/4" = 1'-0"



DETAIL "2"
3/4"Ø ANCHOR BOLT

SCALE: 1 1/2" = 1'-0"



DETAIL "3"
5/8"Ø ANCHOR BOLT

SCALE: 1 1/2" = 1'-0"

NOTE:
REFER TO FOUNDATION LOCATION PLAN FOR BUILDING LOCATION ON SITE.

NOTE:
CONTRACTOR TO FURNISH PEMB COLUMN REACTIONS TO ENGINEER FOR FINAL FOUNDATION DESIGN PRIOR TO CONSTRUCTION.

NOTE:
MAXIMUM BASEPLATE SIZE FOR PEMB FRAMING = 12" x 22"

NOTE:
REFER TO CIVIL SITE PLANS FOR PAVING SURFACING, DETAILS, & ELEVATIONS

NOTE:
SAWCUT USING AN EARLY ENTRY SAW ACHIEVING 1" DEEP BY 1/8" MIN. WIDTH MAKING CUT BETWEEN 4-8 HOURS AFTER FINISHING SLAB.

FOR CONSTRUCTION

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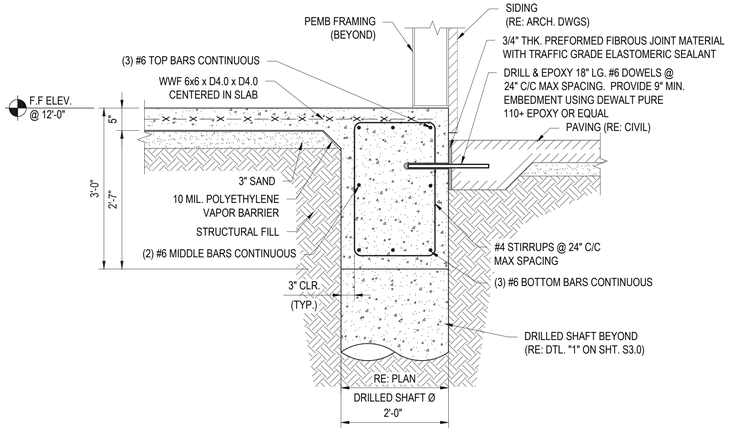
LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2
4200 BROAD STREET
LAKE CHARLES, LA 70615
STORAGE BUILDING FOUNDATION PLAN AND DETAILS

SHEET NO. S3.0

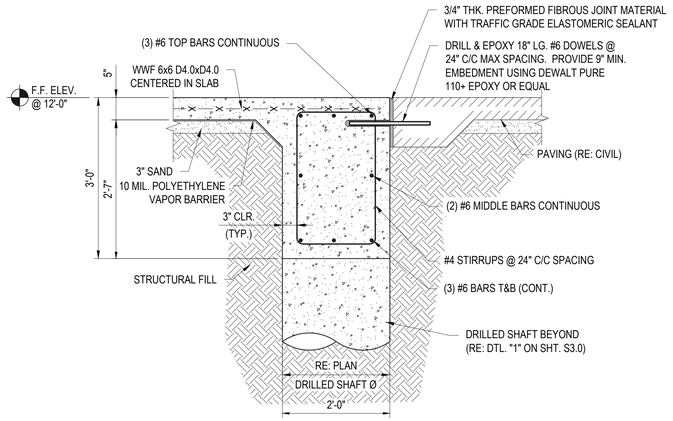
ARCH # 24009BA

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS



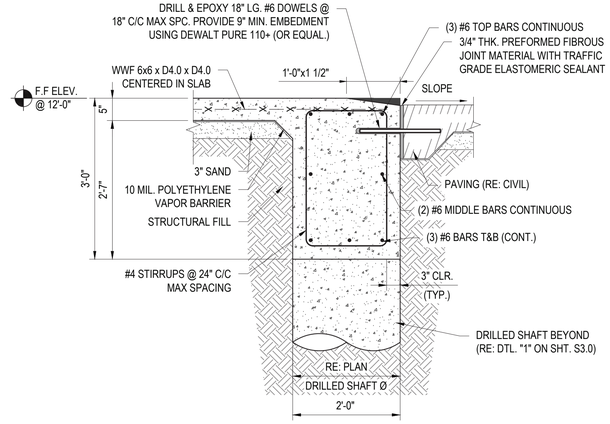
SECTION "A"

SCALE: 3/4" = 1'-0"



SECTION "B"

SCALE: 3/4" = 1'-0"



SECTION "C"

SCALE: 3/4" = 1'-0"

SECTION "D"

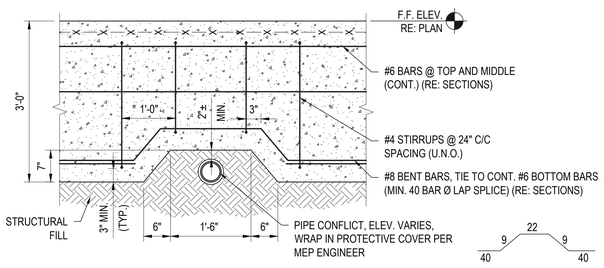
SCALE: 3/4" = 1'-0"

SECTION "E"

SCALE: 3/4" = 1'-0"

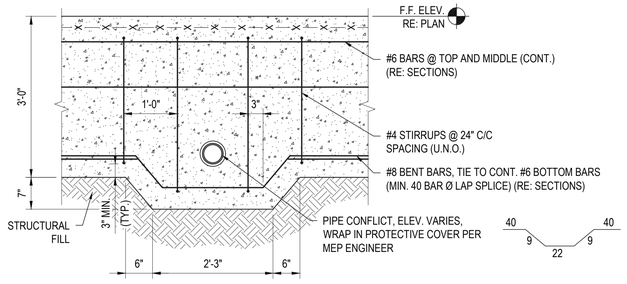
SECTION "F"

SCALE: 3/4" = 1'-0"



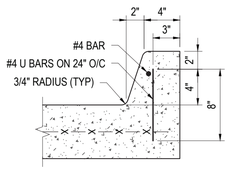
DETAIL"1"
PIPE CONFLICT
(PIPE UNDER GRADE BEAM)

SCALE: 3/4" = 1'-0"



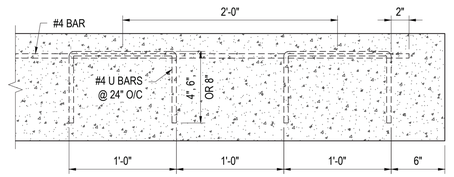
DETAIL"2"
PIPE CONFLICT
(PIPE THRU GRADE BEAM)

SCALE: 3/4" = 1'-0"



DETAIL "3"
BARRIER CURB

SCALE: 1-1/2" = 1'-0"



DETAIL"4"
CURB BAR

SCALE: 1-1/2" = 1'-0"

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NEW FACILITY PHASE 2
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STORAGE BUILDING FOUNDATION SECTIONS

SHEET NO. S3.1

ARCH # 24009BA

VER.	DATE	DESCRIPTION
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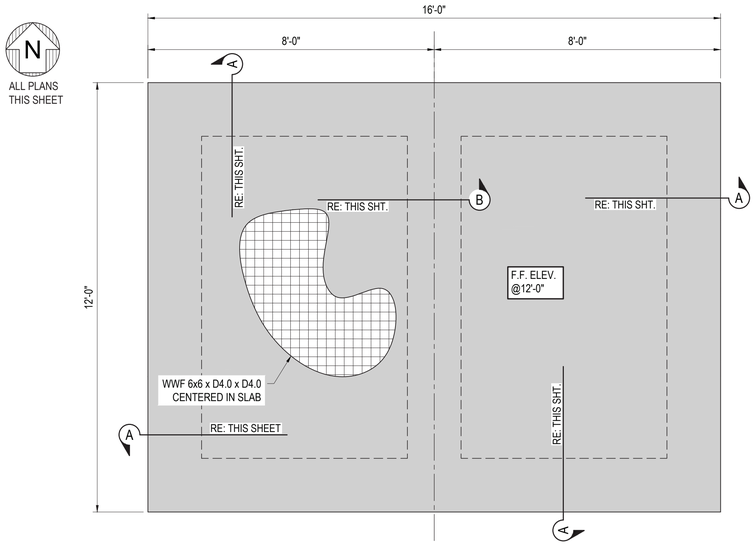
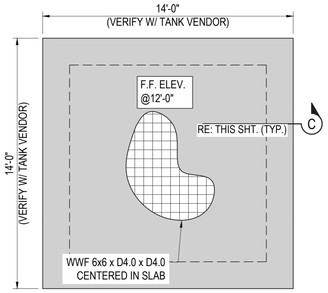


WASH HOUSE FOUNDATION PLAN

SCALE: 1/2" = 1'-0"



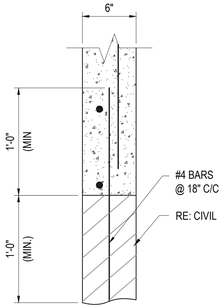
WATER TANK FOUNDATION PLAN

SCALE: 1/4" = 1'-0"

NOTE:
REFER TO FOUNDATION LOCATION PLAN FOR FOUNDATION LOCATIONS ON SITE.

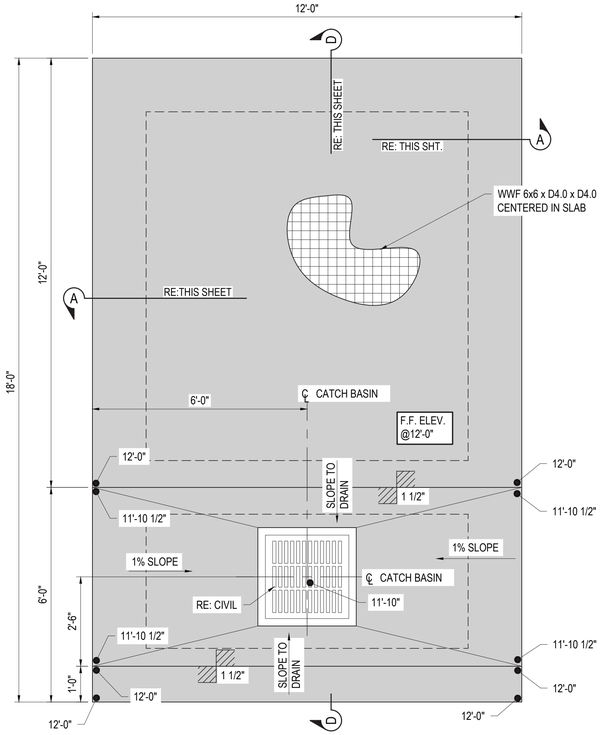
NOTE:
REFER TO CIVIL SITE PLANS FOR PAVING SURFACING, DETAILS, & ELEVATIONS

NOTE:
COAT PRECAST JOINT AND 2" OF REBAR SURFACE WITH TYPE V. (GRADE 2 OR 3) RESIN. CONFORMING WITH ASTM C881 PRIOR TO POURING CAST - IN - PLACE SECTION.



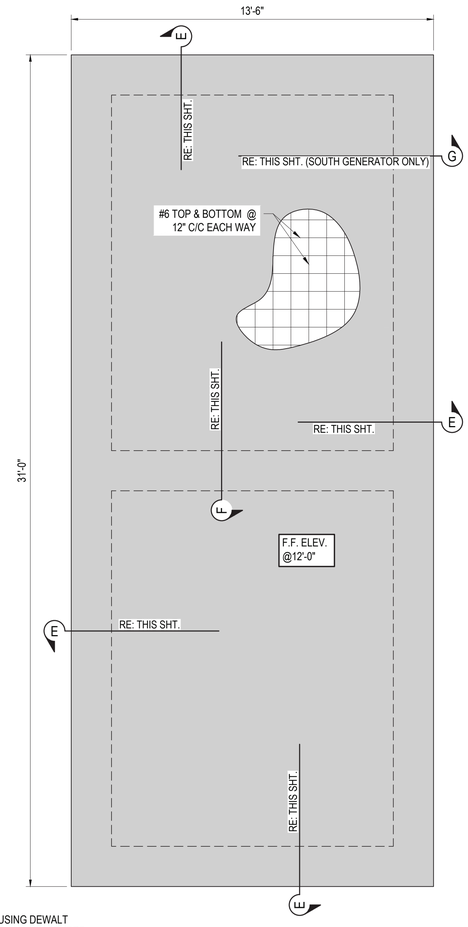
DETAIL "1"

SCALE: 1-1/2" = 1'-0"



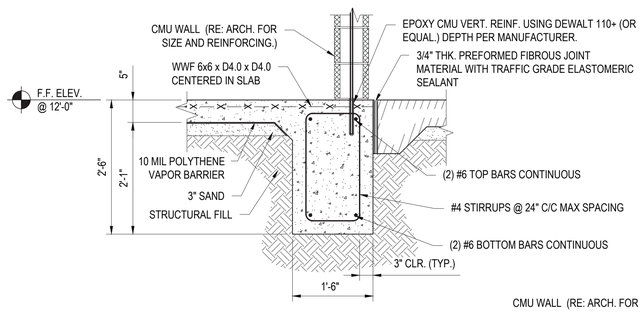
ICE HOUSE FOUNDATION PLAN

SCALE: 1/2" = 1'-0"



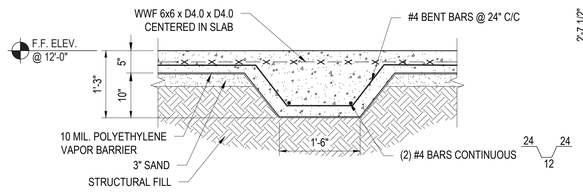
GENERATOR FOUNDATION PLAN

SCALE: 3/8" = 1'-0"



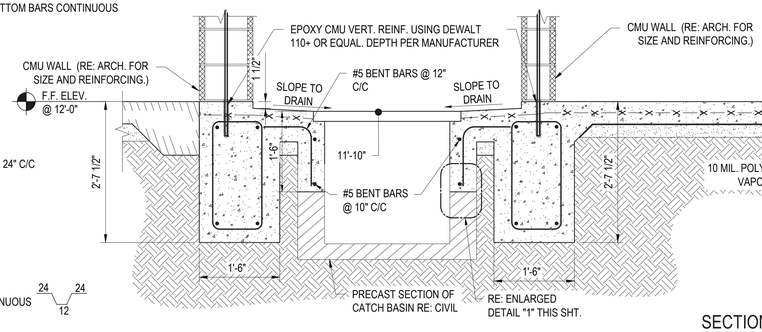
SECTION "A"

SCALE: 3/4" = 1'-0"



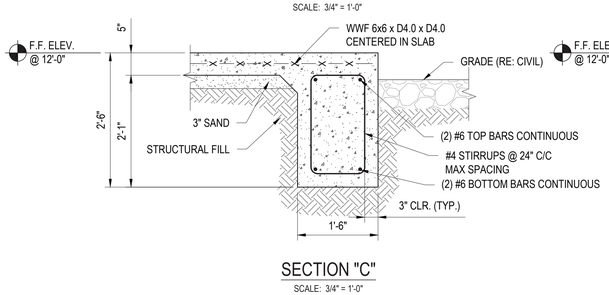
SECTION "B"

SCALE: 3/4" = 1'-0"



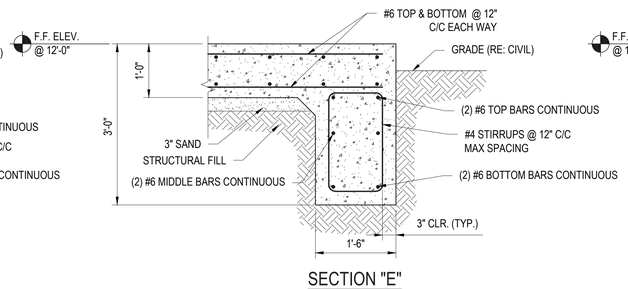
SECTION "D-D"

SCALE: 3/4" = 1'-0"



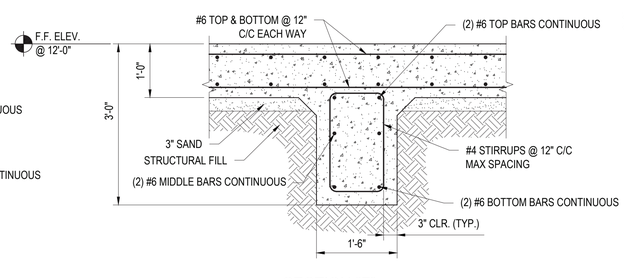
SECTION "C"

SCALE: 3/4" = 1'-0"



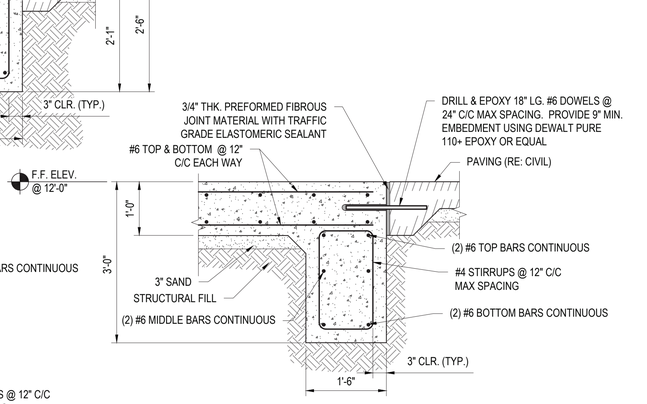
SECTION "E"

SCALE: 3/4" = 1'-0"



SECTION "F"

SCALE: 3/4" = 1'-0"



SECTION "G"

SCALE: 3/4" = 1'-0"

FOR CONSTRUCTION

peridian ENGINEERING SERVICES
700 PUJO ST. SUITE C
LAKE CHARLES, LA 70601
PES PROJECT NO. 24044
PHONE: 337.602.6097 WWW.PESERVICES.US

STATE OF LOUISIANA
NATHAN E. JORDAN
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12/20/2025

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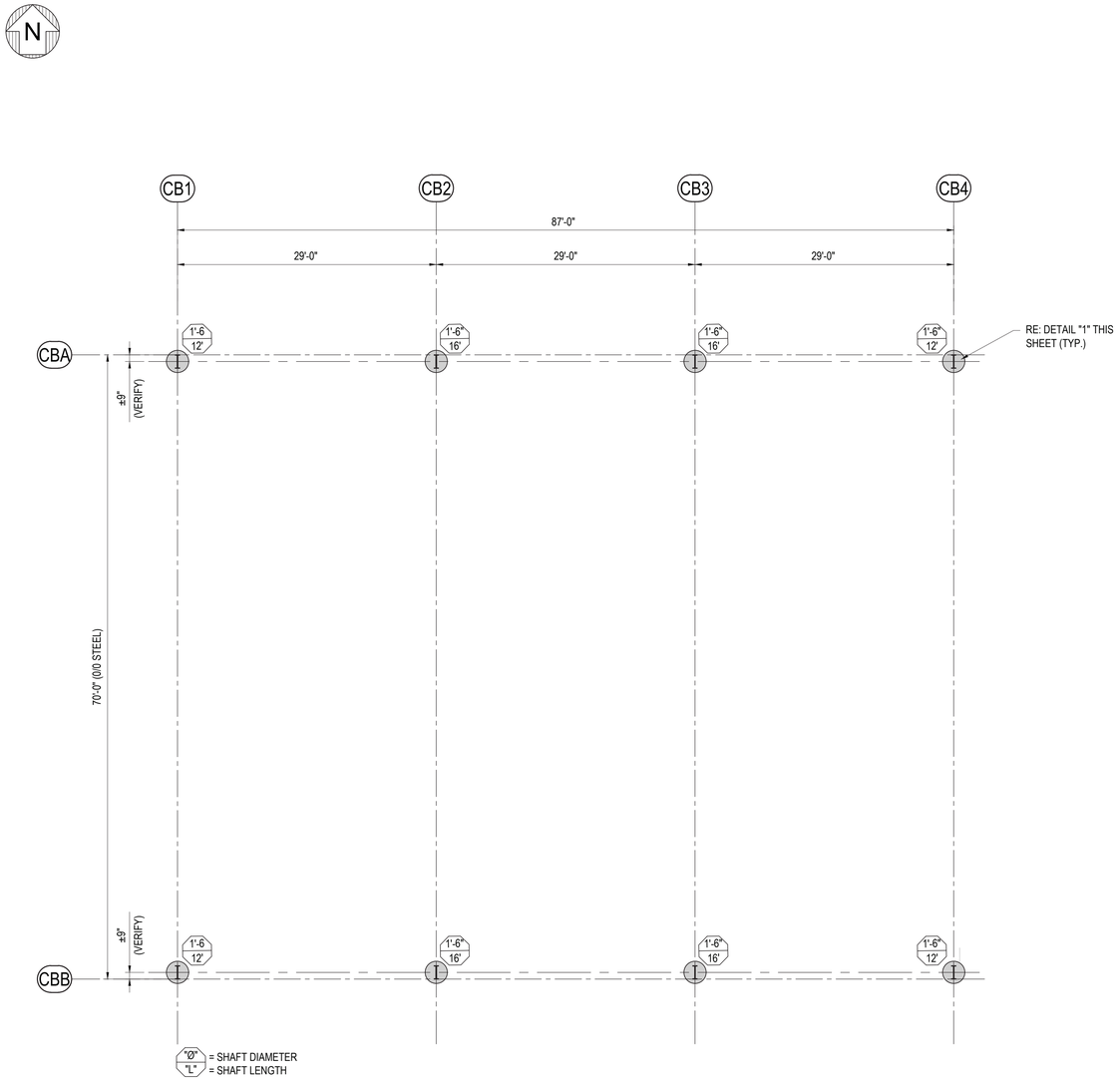
LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2
4200 BROAD STREET
LAKE CHARLES, LA 70615
WASH HOUSE, WATER TANK, ICE HOUSE, AND GENERATOR FOUNDATIONS

SHEET NO. S4.0

ARCH # 24009BA

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS



COVERED BUS PARKING FOUNDATION PLAN

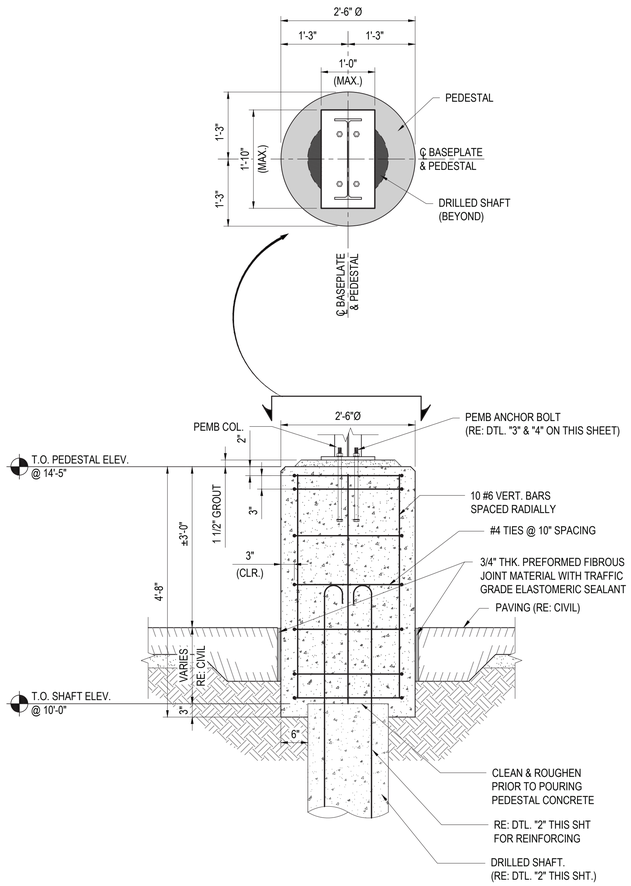
SCALE: 1/8" = 1'-0"

NOTE:
CONTRACTOR TO VERIFY FOUNDATION AND FRAMING DIMENSIONS. WITH PEMB VENDOR PRIOR TO CONSTRUCTION

NOTE:
REFER TO FOUNDATION LOCATION PLAN FOR BUILDING LOCATION ON SITE.

NOTE:
REFER TO CIVIL SITE PLANS FOR PAVING SURFACING, DETAILS, & ELEVATIONS

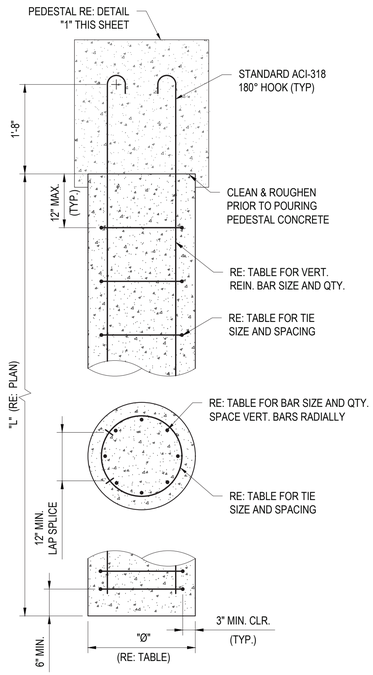
NOTE:
CONTRACTOR TO FURNISH PEMB COLUMN REACTIONS TO ENGINEER FOR FINAL FOUNDATION DESIGN PRIOR TO CONSTRUCTION.



DETAIL "1" TYPICAL PEDESTAL

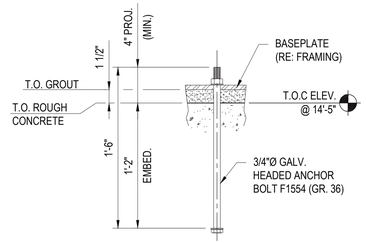
SCALE: 3/4" = 1'-0"

SHAFT DIAMETER	VERTICAL REINFORCEMENT	TIE SIZE & SPACING	MIN. # TO EXTEND VERT. BARS INTO GRADEBEAM
18"	(6) - #6	#4 BAR @ 12" MAX	6



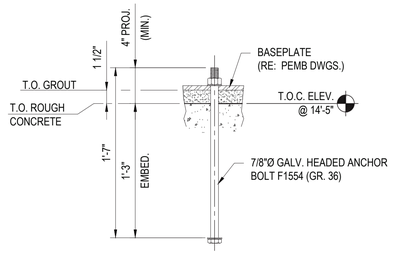
DETAIL "2" TYPICAL DRILLED SHAFT

SCALE: 3/4" = 1'-0"



DETAIL "3" 3/4"Ø ANCHOR BOLT

SCALE: 1 1/2" = 1'-0"



DETAIL "4" 7/8"Ø ANCHOR BOLT

SCALE: 1-1/2" = 1'-0"

FOR CONSTRUCTION

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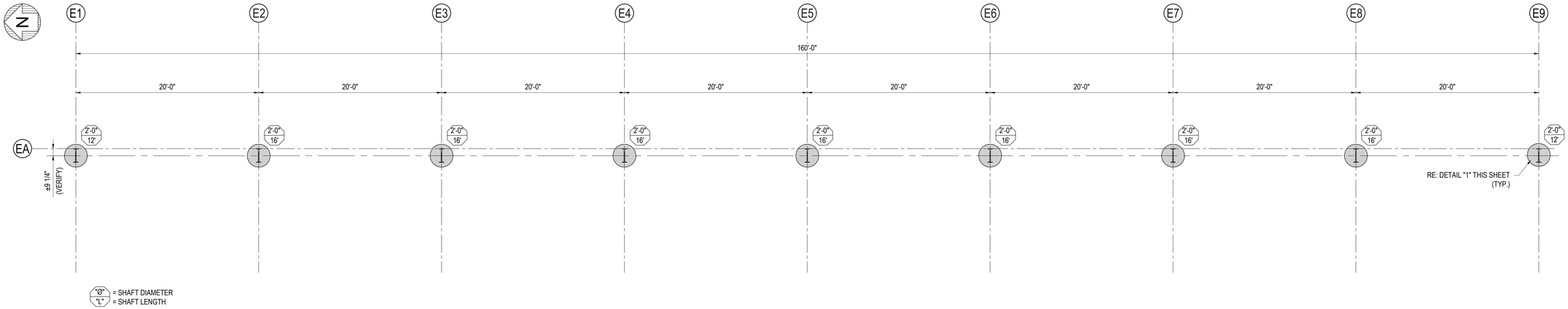
LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2
4200 BROAD STREET
LAKE CHARLES, LA 70615
COVERED BUS PARKING FOUNDATION

SHEET NO. S5.0

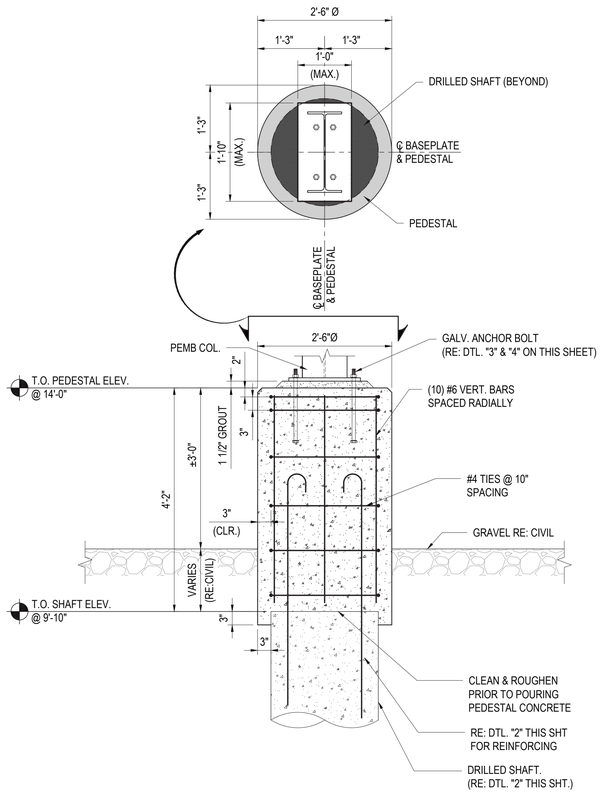
ARCH # 24009BA

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS



COVERED EQUIPMENT PARKING FOUNDATION PLAN

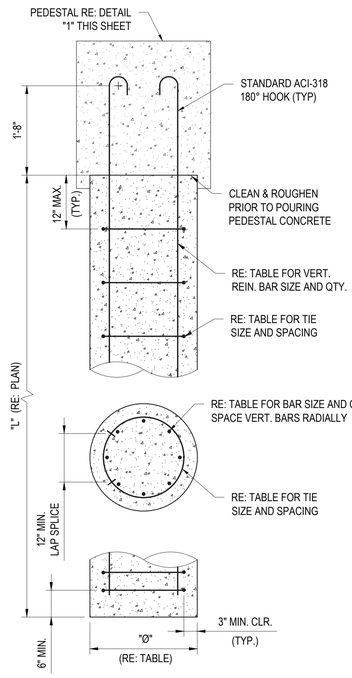
SCALE: 3/16" = 1'-0"



DETAIL "1" TYPICAL PEDESTAL

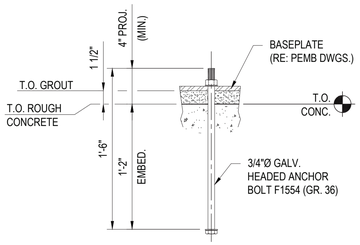
SCALE: 3/4" = 1'-0"

SHAFT DIAMETER	VERTICAL REINFORCEMENT	TIE SIZE & SPACING	MIN. # TO EXTEND VERT. BARS INTO GRADEBEAM
2'-0"	(10) - #6	#4 BAR @ 12" MAX	6



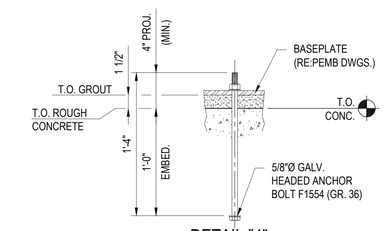
DETAIL "2" TYPICAL DRILLED SHAFT

SCALE: 3/4" = 1'-0"



DETAIL "3" 3/4"Ø ANCHOR BOLT

SCALE: 1 1/2" = 1'-0"



DETAIL "4" 5/8"Ø ANCHOR BOLT

SCALE: 1 1/2" = 1'-0"

NOTE:
REFER TO FOUNDATION LOCATION PLAN FOR BUILDING LOCATION ON SITE.

NOTE:
REFER TO CIVIL SITE PLANS FOR PAVING SURFACING, DETAILS, & ELEVATIONS

NOTE:
CONTRACTOR TO VERIFY FOUNDATION AND FRAMING DIMENSIONS WITH PEMB VENDOR PRIOR TO CONSTRUCTION.

FOR CONSTRUCTION

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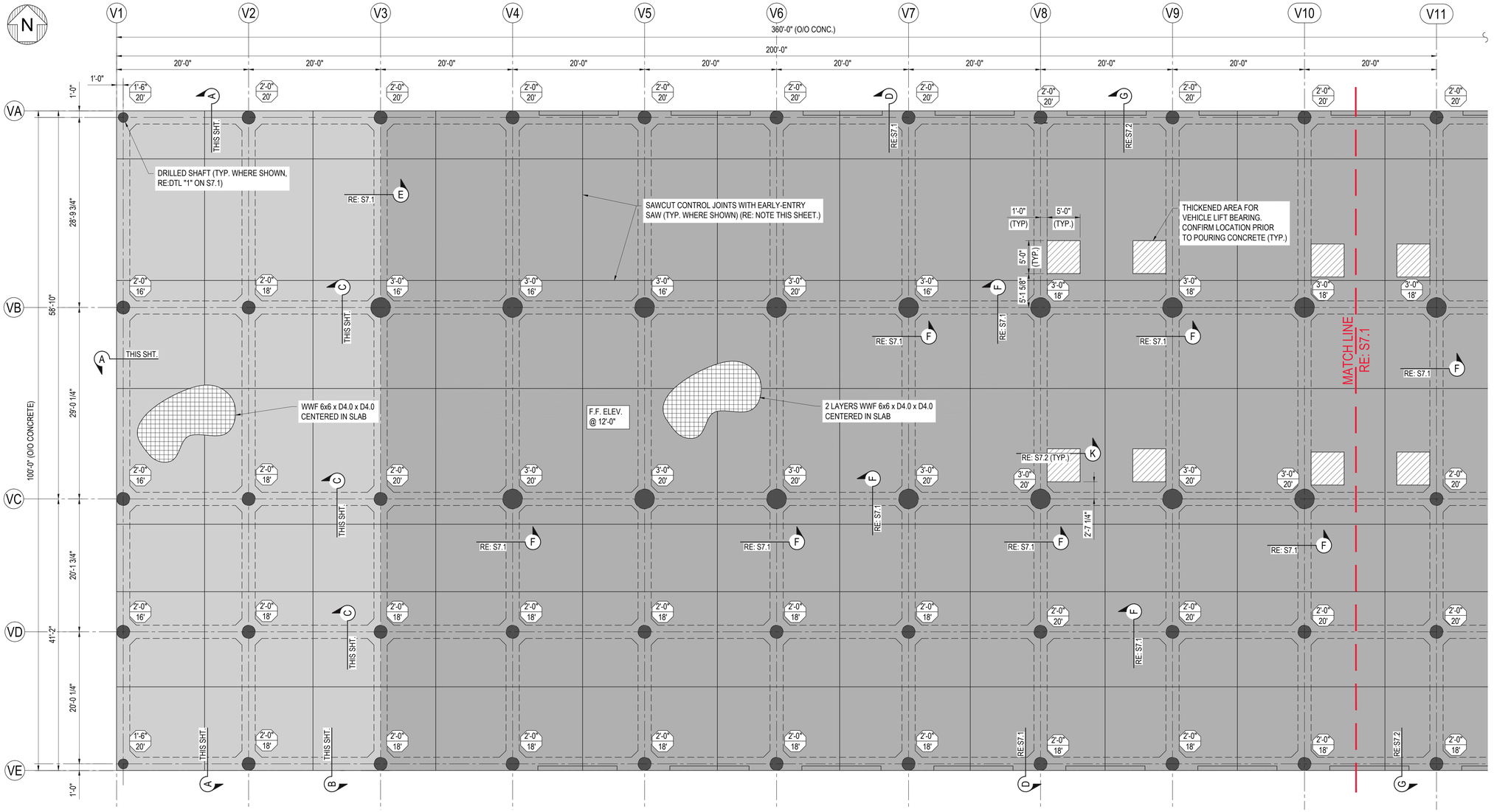
LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2
4200 BROAD STREET
LAKE CHARLES, LA 70615
EQUIPMENT PARKING FOUNDATION

SHEET NO. S6.0

ARCH # 24009BA

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS



VEHICLE MAINTENANCE BUILDING FOUNDATION PLAN (WEST)

SCALE: 1/8" = 1'-0"

LEGEND:

- 8" THK. CONCRETE-
- 5" THK CONCRETE-
- RECESSED AREA-
- THICKENED AREA-
- "Ø" = SHAFT DIAMETER
- "L" = SHAFT LENGTH

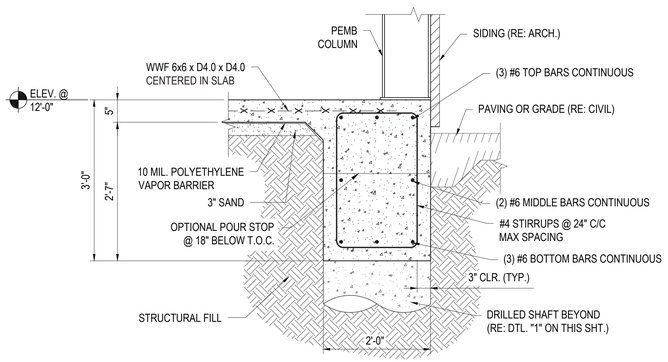
NOTE:
REFER TO FOUNDATION LOCATION PLAN FOR BUILDING LOCATION ON SITE.

NOTE:
REFER TO CIVIL PLANS FOR PAVING SURFACING, DETAILS, & ELEVATIONS

NOTE:
CONTRACTOR TO FURNISH PEMB COLUMN REACTIONS TO ENGINEER FOR FINAL FOUNDATION DESIGN PRIOR TO CONSTRUCTION.

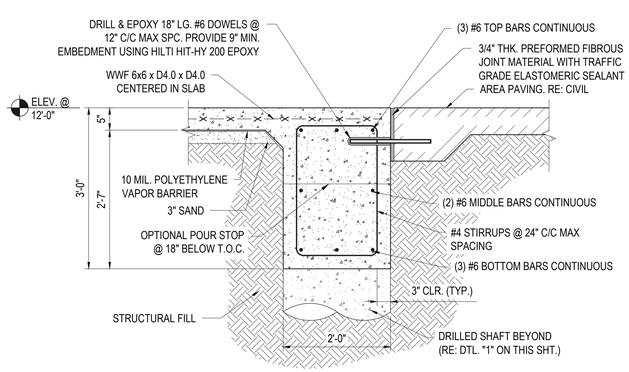
NOTE:
MAXIMUM BASE PLATE SIZE FOR PEMB FRAMING = 12" x 18"

NOTE:
SAWCUT USING AN EARLY ENTRY SAW ACHIEVING 1" DEEP BY 1/8" MIN. WIDTH MAKING CUT BETWEEN 4-8 HOURS AFTER FINISHING SLAB.



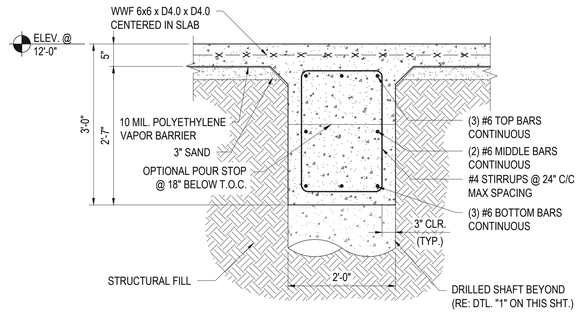
SECTION "A"

SCALE: 3/4" = 1'-0"



SECTION "B"

SCALE: 3/4" = 1'-0"



SECTION "C"

SCALE: 3/4" = 1'-0"

FOR CONSTRUCTION

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NEW FACILITY PHASE 2
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LAKE CHARLES, LA 70615

VEHICLE MAINTENANCE BUILDING FOUNDATION PLAN AND SECTIONS

SHEET NO. S7.0

ARCH # 24009BA

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS

LEGEND:

8" THK. CONCRETE-

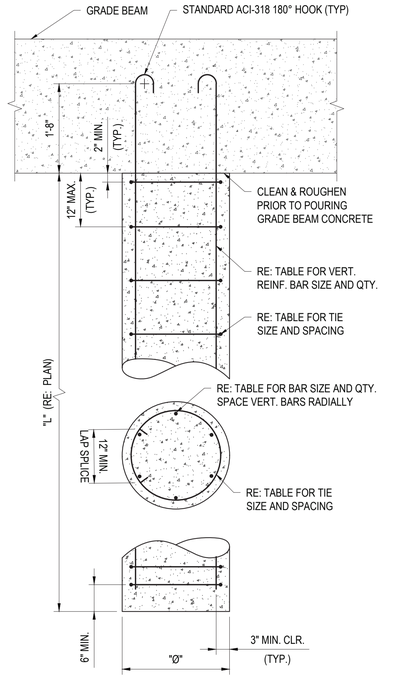
5" THK CONCRETE-

RECESSED AREA-

THICKENED AREA-

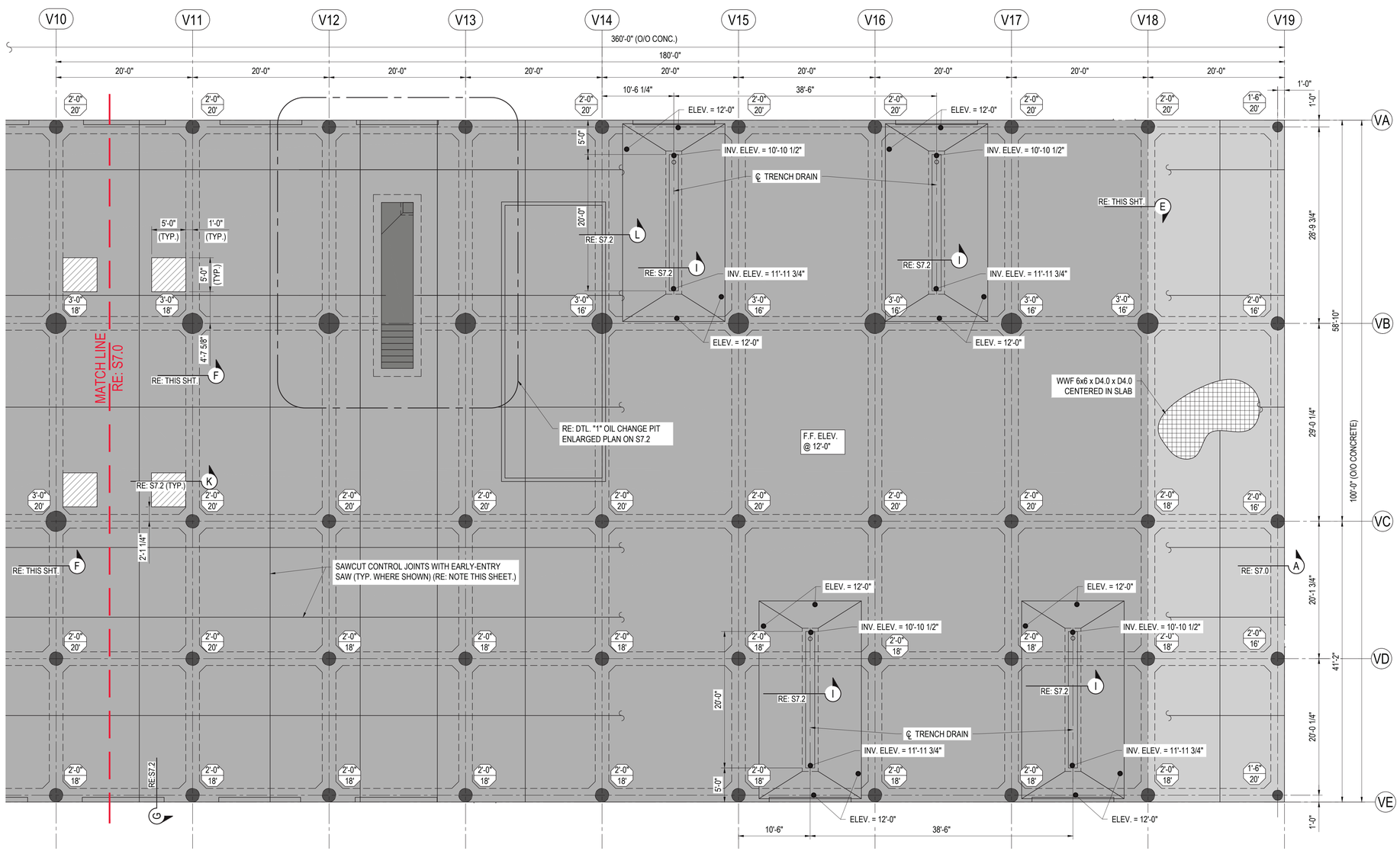
"Ø" = SHAFT DIAMETER
"L" = SHAFT LENGTH

SHAFT DIAMETER	VERTICAL REINFORCEMENT	TIE SIZE & SPACING	MIN. # TO EXTEND VERT. BARS INTO GRADEBEAM
1'-6"	(6) - #6	#4 BAR @ 12" MAX	4
2'-0"	(10) - #6	#4 BAR @ 18" MAX	6
3'-0"	(14) - #6	#4 BAR @ 18" MAX	6



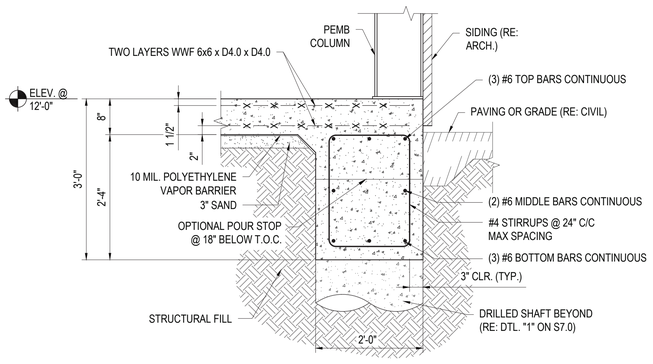
DETAIL "1" DRILLED SHAFT

SCALE: 3/4" = 1'-0"



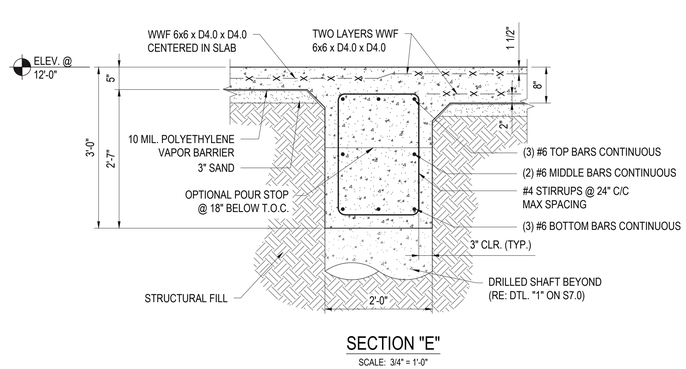
VEHICLE MAINTENANCE BUILDING FOUNDATION PLAN (EAST)

SCALE: 1/8" = 1'-0"



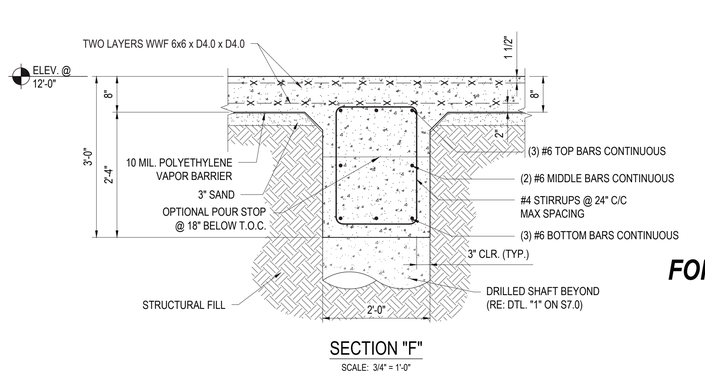
SECTION "D"

SCALE: 3/4" = 1'-0"



SECTION "E"

SCALE: 3/4" = 1'-0"



SECTION "F"

SCALE: 3/4" = 1'-0"

FOR CONSTRUCTION

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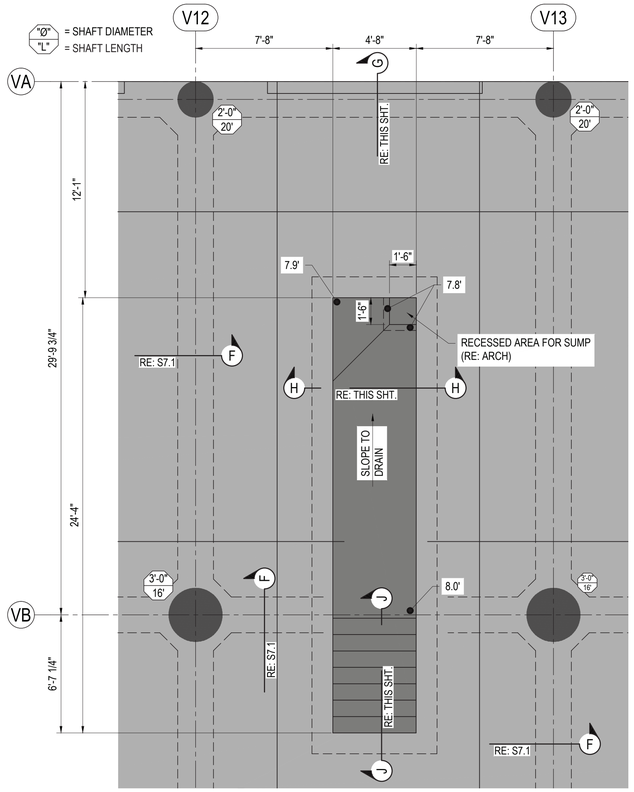
LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2
4200 BROAD STREET
LAKE CHARLES, LA 70615

VEHICLE MAINTENANCE BUILDING FOUNDATION PLAN, SI

SHEET NO. S7.1

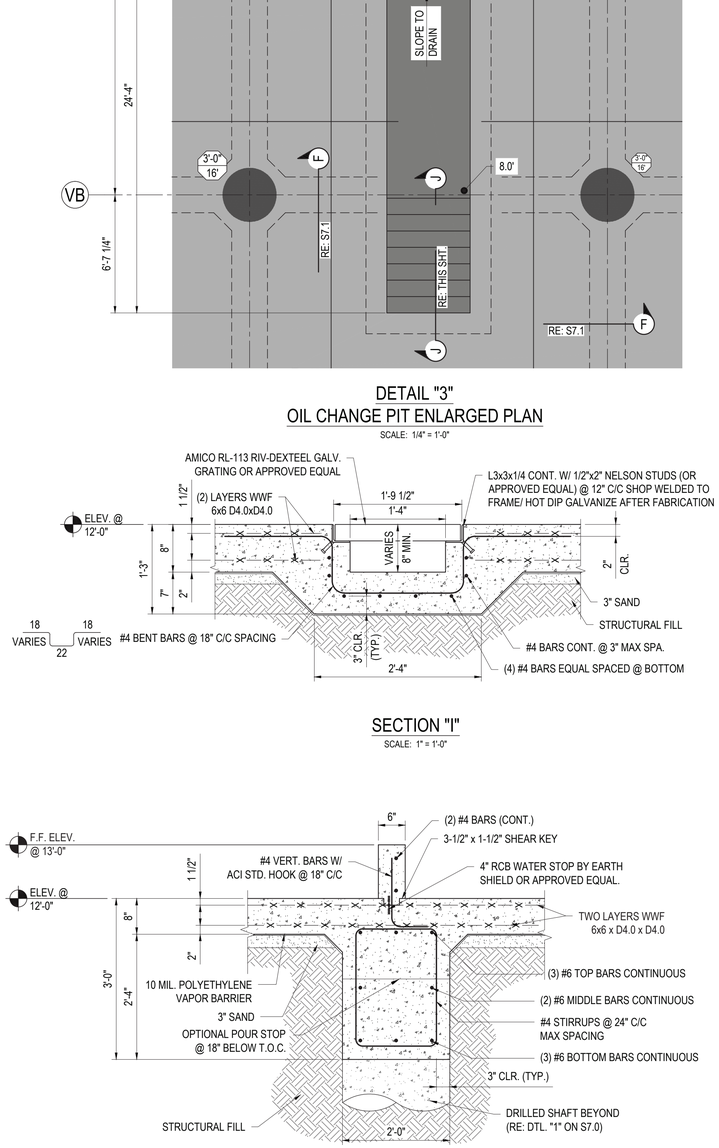
ARCH # 24009BA

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS

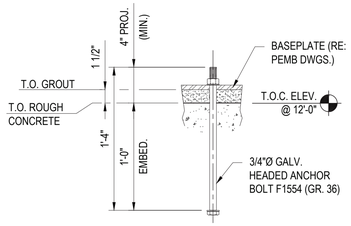


DETAIL "3"
OIL CHANGE PIT ENLARGED PLAN
SCALE: 1/4" = 1'-0"

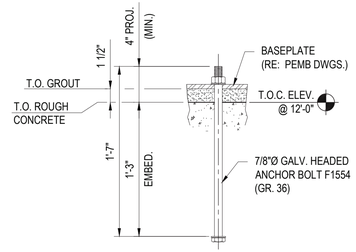
SECTION "I"
SCALE: 1" = 1'-0"



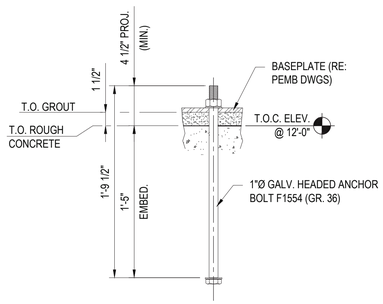
SECTION "L"
SCALE: 3/4" = 1'-0"



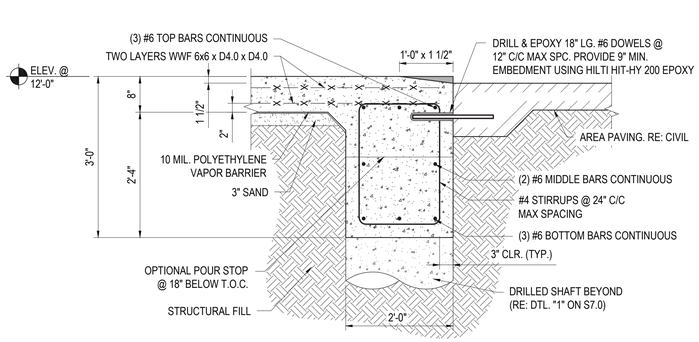
DETAIL "2"
3/4"Ø ANCHOR BOLT
SCALE: 1-1/2" = 1'-0"



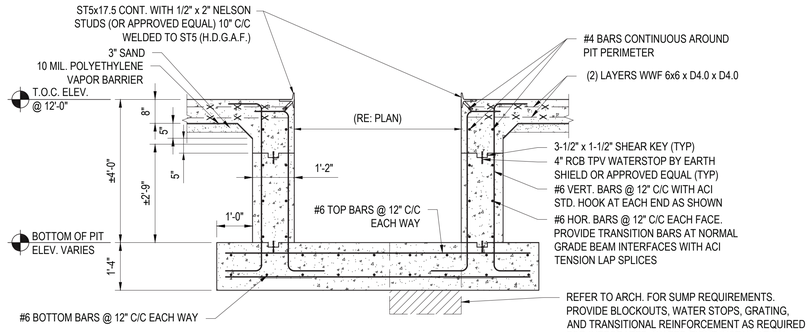
DETAIL "3"
7/8"Ø ANCHOR BOLT
SCALE: 1-1/2" = 1'-0"



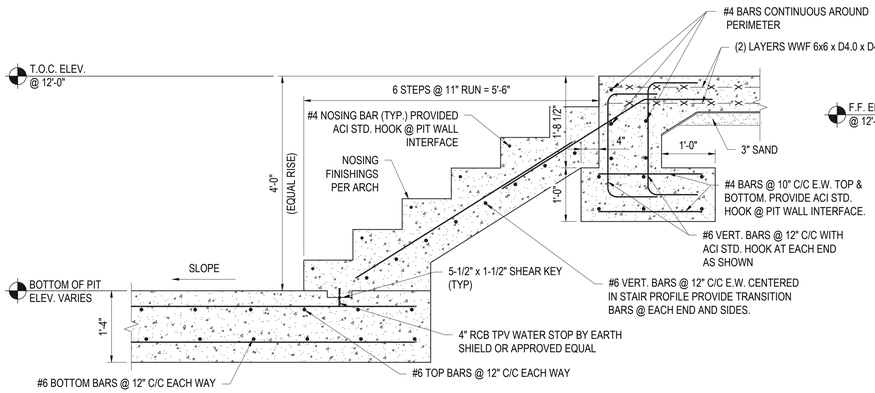
DETAIL "4"
1"Ø ANCHOR BOLT
SCALE: 1-1/2" = 1'-0"



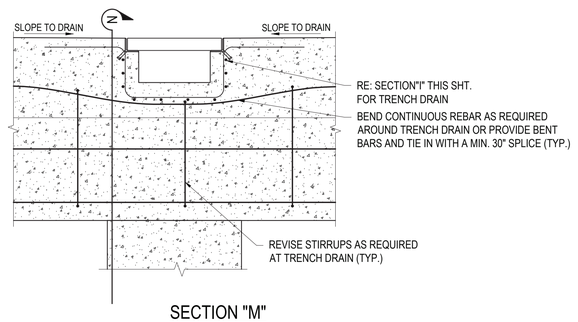
SECTION "G"
SCALE: 3/4" = 1'-0"



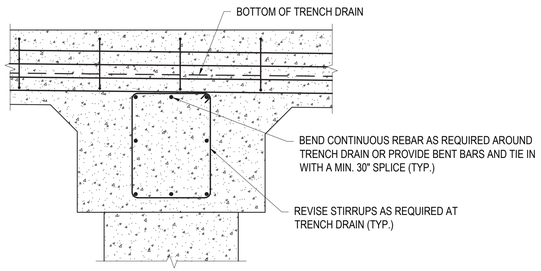
SECTION "H-H"
SCALE: 1/2" = 1'-0"



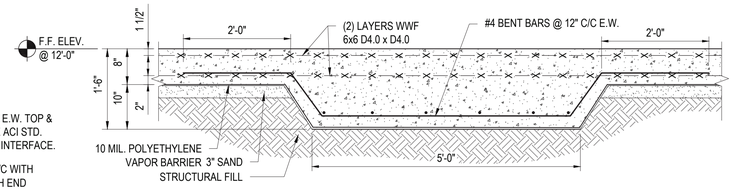
SECTION "J-J"
SCALE: 3/4" = 1'-0"



SECTION "M"
SCALE: 3/4" = 1'-0"



SECTION "N"
SCALE: 3/4" = 1'-0"



SECTION "K"
SCALE: 3/4" = 1'-0"

FOR CONSTRUCTION

peridian ENGINEERING SERVICES
700 PUJO ST. SUITE C
LAKE CHARLES, LA 70601
PES PROJECT NO. 24044
PHONE: 337.602.6097 WWW.PESERVICES.US

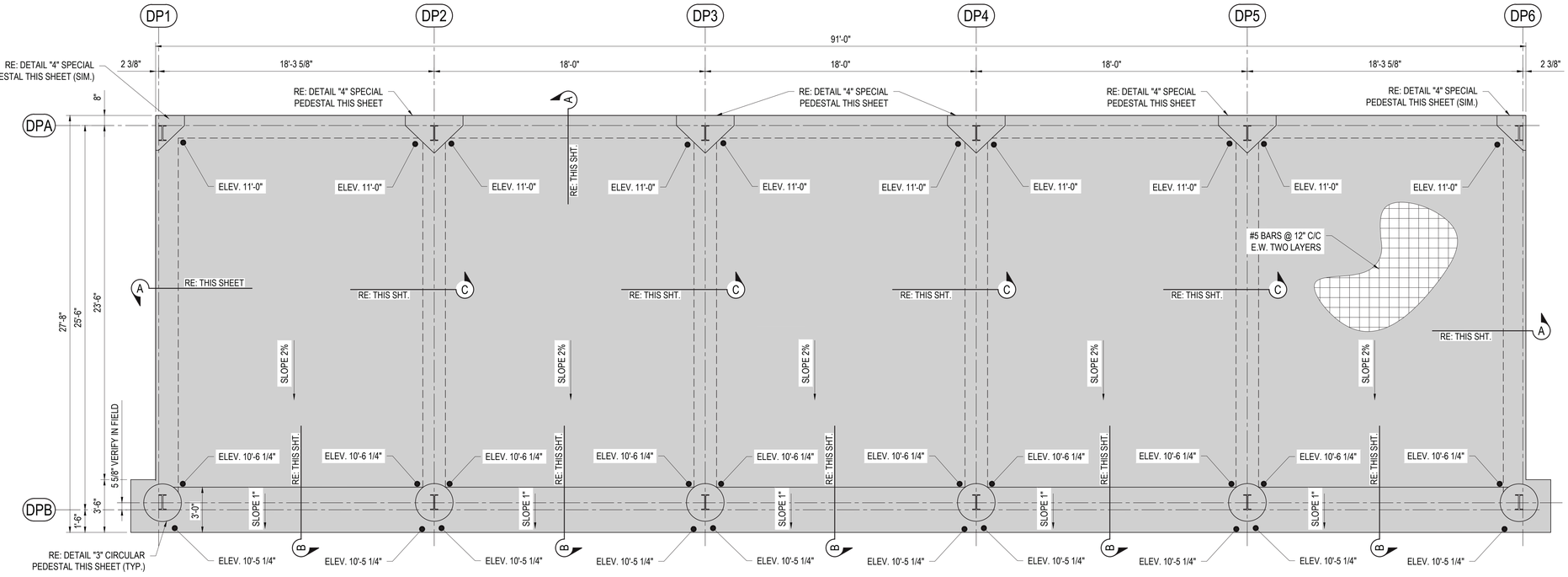
STATE OF LOUISIANA
NATHAN E. JORDAN
License. No. 33702
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
12/20/2025

Brossett Architect
Brossett Architect, LLC · 414 Pujo St., Lake Charles, LA 70601

LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2
4200 BROAD STREET
LAKE CHARLES, LA 70615
VEHICLE MAINTENANCE BUILDING FOUNDATION SECTIONS AND DETAILS

SHEET NO. S7.2
ARCH # 2400PBA

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS



SAND AND DIRT PIT FOUNDATION

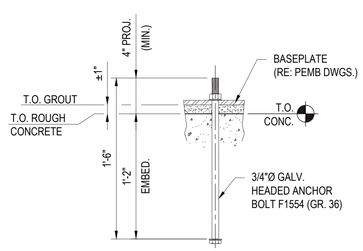
SCALE: 1/4" = 1'-0"

NOTE:
CONTRACTOR TO FURNISH PEMB COLUMN REACTIONS TO ENGINEER FOR FINAL FOUNDATION DESIGN PRIOR TO CONSTRUCTION.

NOTE:
CONTRACTOR TO VERIFY FOUNDATION AND FRAMING DIMENSIONS WITH PEMB VENDOR PRIOR TO CONSTRUCTION

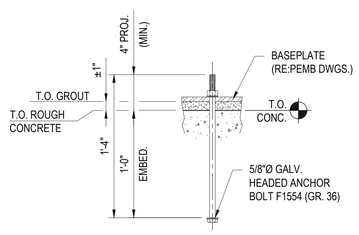
NOTE:
REFER TO FOUNDATION LOCATION PLAN FOR BUILDING LOCATION ON SITE.

NOTE:
REFER TO CIVIL PLANS FOR PAVING SURFACING, DETAILS, & ELEVATIONS



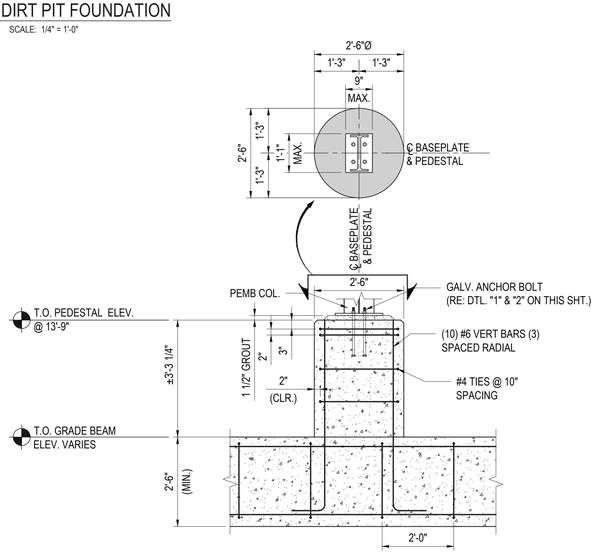
DETAIL "1"
3/4"Ø ANCHOR BOLT

SCALE: 1 1/2" = 1'-0"



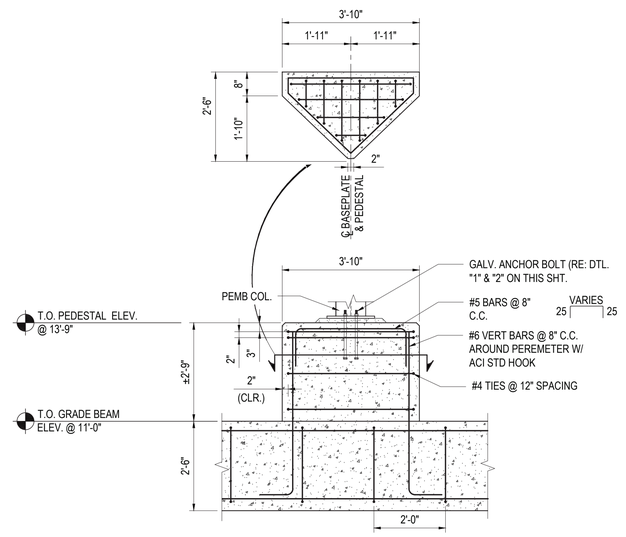
DETAIL "2"
5/8"Ø ANCHOR BOLT

SCALE: 1 1/2" = 1'-0"



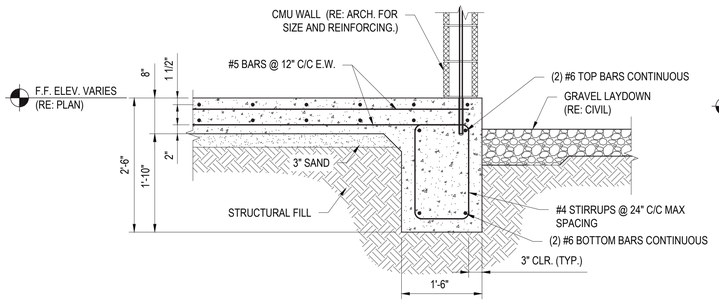
DETAIL "3"
CIRCULAR PEDESTAL

SCALE: 1/2" = 1'-0"



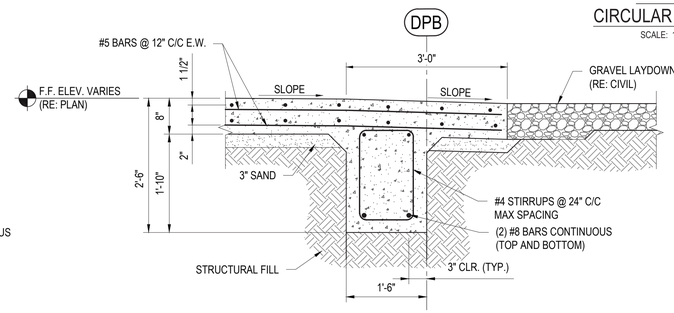
DETAIL "4"
SPECIAL PEDESTAL

SCALE: 1/2" = 1'-0"



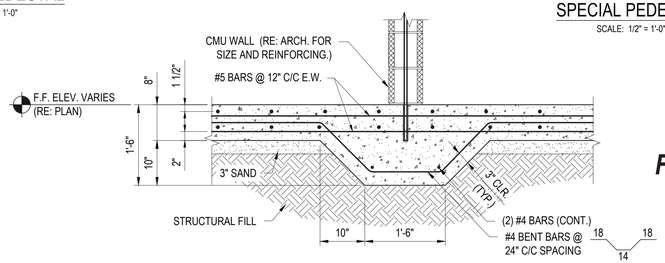
SECTION "A"

SCALE: 3/4" = 1'-0"



SECTION "B"

SCALE: 3/4" = 1'-0"



SECTION "C"

SCALE: 3/4" = 1'-0"

FOR CONSTRUCTION

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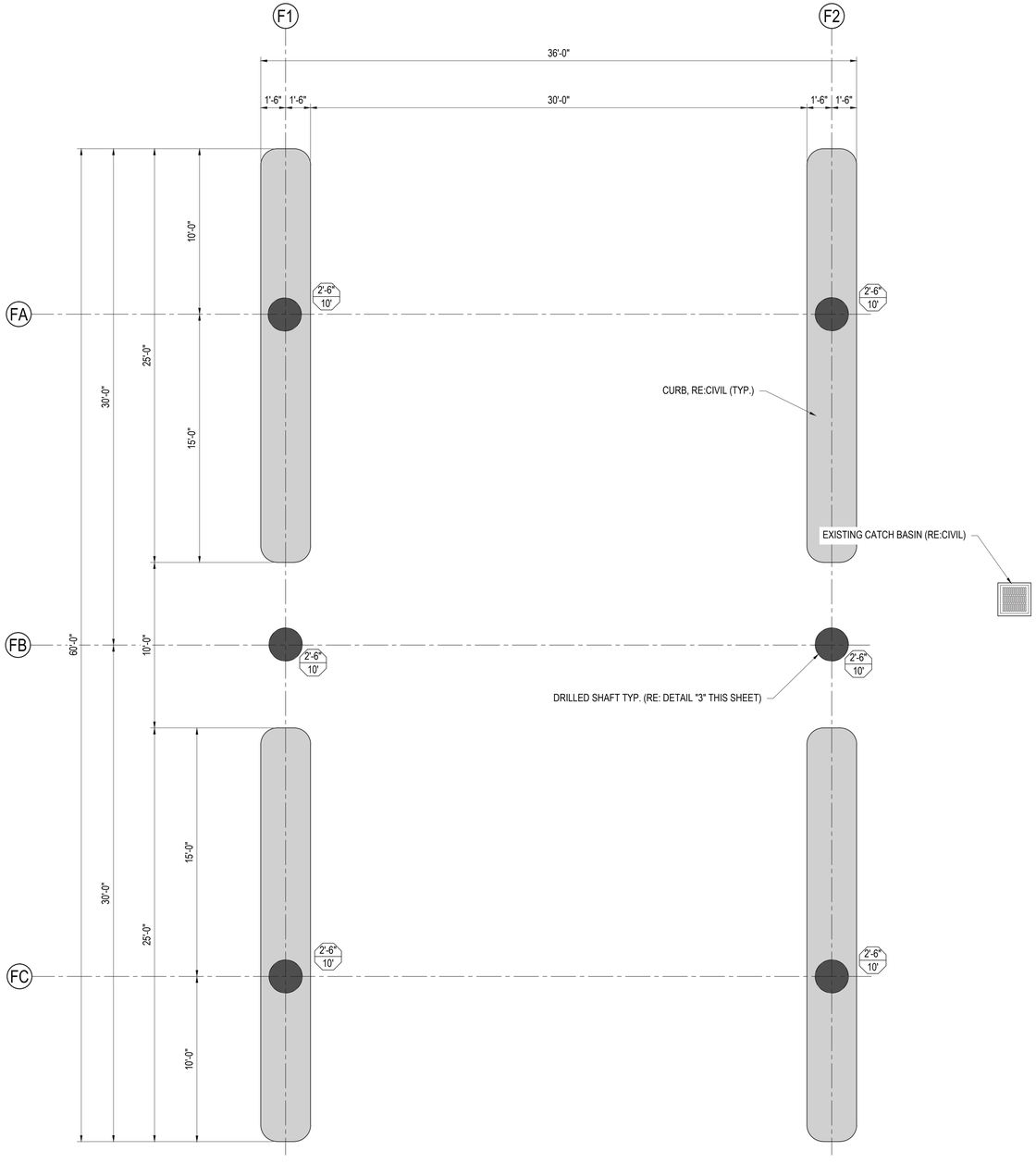
LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2
4200 BROAD STREET
LAKE CHARLES, LA 70615

SAND AND DIRT PIT FOUNDATION

SHEET NO. S8.0

ARCH # 24009BA

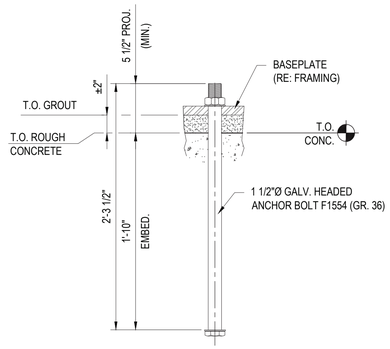
VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS



"D" = SHAFT DIAMETER
"L" = SHAFT LENGTH

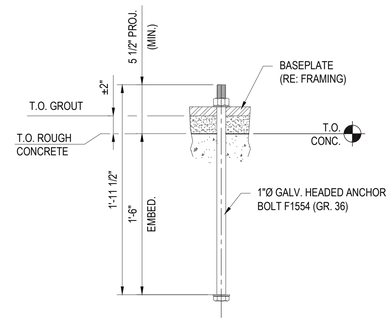
FUEL STATION CANOPY FOUNDATION PLAN

SCALE: 1/4" = 1'-0"



DETAIL "1" 1 1/2"Ø ANCHOR BOLT

SCALE: 1-1/2" = 1'-0"



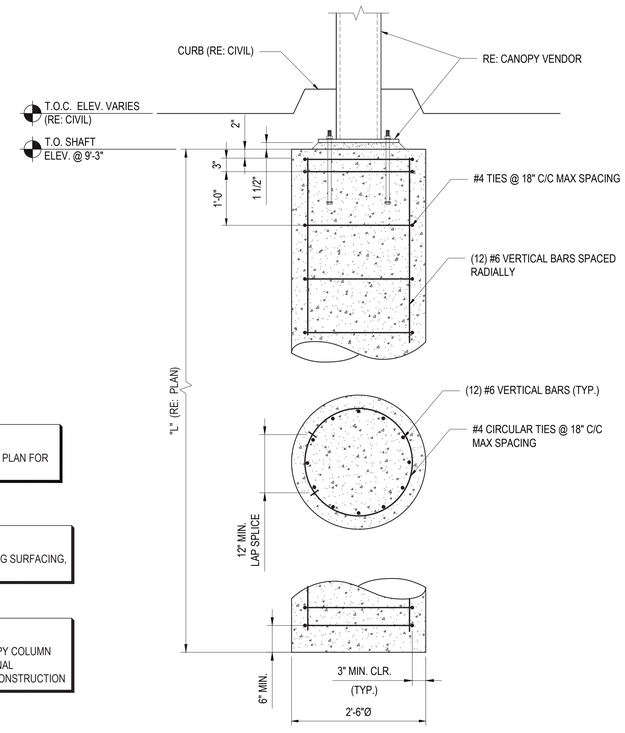
DETAIL "2" 1"Ø ANCHOR BOLT

SCALE: 1-1/2" = 1'-0"

NOTE:
REFER TO FOUNDATION LOCATION PLAN FOR CANOPY LOCATION ON SITE.

NOTE:
REFER TO CIVIL PLANS FOR PAVING SURFACING, DETAILS, & ELEVATIONS

NOTE:
CONTRACTOR TO FURNISH CANOPY COLUMN REACTIONS TO ENGINEER FOR FINAL FOUNDATION DESIGN PRIOR TO CONSTRUCTION



DETAIL "3" TYPICAL DRILLED SHAFT

SCALE: 3/4"=1'-0"

FOR CONSTRUCTION

peridian ENGINEERING SERVICES
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12/20/2025

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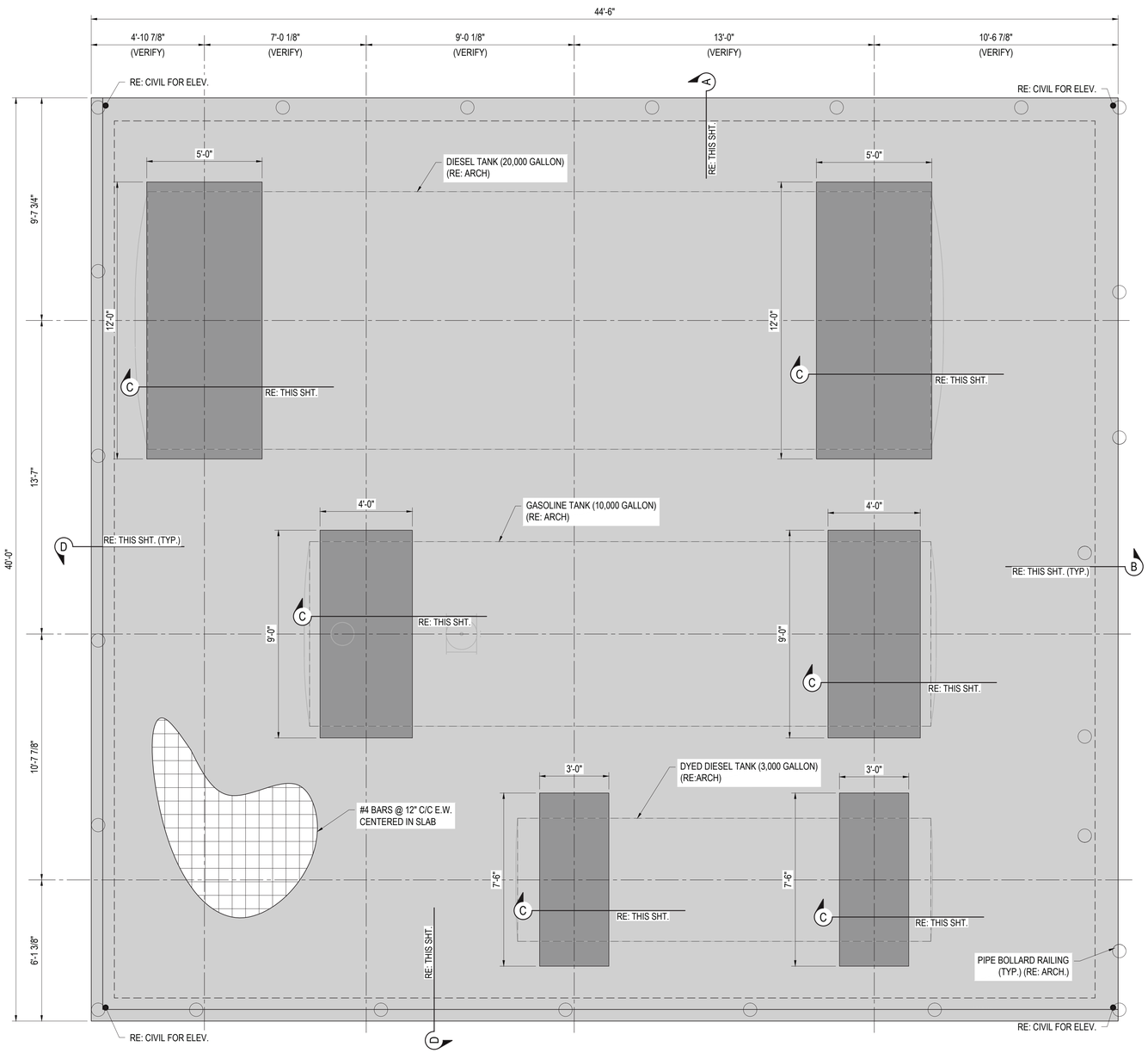
LAKE CHARLES PUBLIC WORKS
NEW FACILITY PHASE 2
4200 BROAD STREET
LAKE CHARLES, LA 70615
FUEL STATION CANOPY FOUNDATION

SHEET NO. S9.0
ARCH # 24009BA

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS



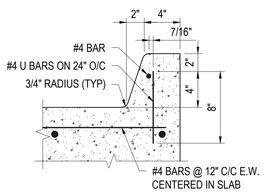
FUEL TANK FOUNDATION

SCALE: 3/8" = 1'-0"

NOTE:
REFER TO FOUNDATION LOCATION PLAN FOR LOCATION ON SITE.

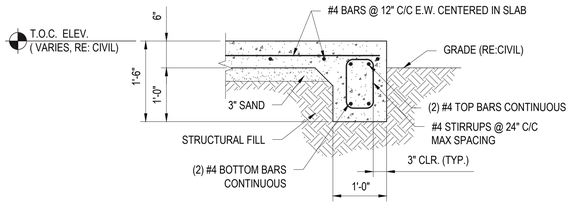
NOTE:
REFER TO CIVIL PLAN FOR PAVING SURFACING DETAILS, & ELEVATIONS

NOTE:
FUEL TANK THICKENED AREA DIMENSIONS & LOCATIONS ARE FOR BASIS OF BID. VERIFY DIMENSIONS WITH TANK VENDOR(S) PRIOR TO INSTALLATION.



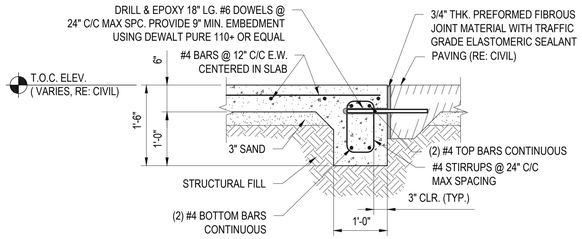
DETAIL "1" BARRIER CURB

SCALE: 3/4" = 1'-0"



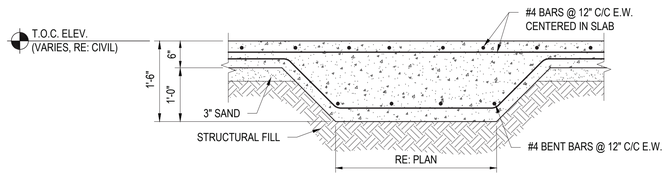
SECTION "A"

SCALE: 3/4" = 1'-0"



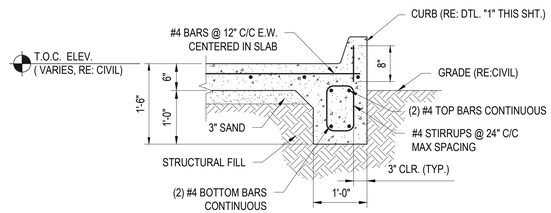
SECTION "B"

SCALE: 3/4" = 1'-0"



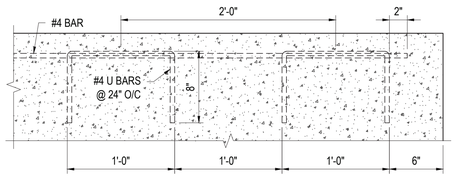
SECTION "C"

SCALE: 3/4" = 1'-0"



SECTION "D"

SCALE: 3/4" = 1'-0"



DETAIL "2" CURB BAR

SCALE: 1 1/2" = 1'-0"

FOR CONSTRUCTION

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NEW FACILITY PHASE 2
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LAKE CHARLES, LA 70615
FUEL TANKS FOUNDATION

SHEET NO. S10.0

ARCH # 24009BA

VER.	DATE	DESCRIPTION
0	12/20/2025	CONSTRUCTION DOCUMENTS