

ASSUMPTION PARISH POLICE JURY

C.J. SAVOIE
CONSULTING ENGINEERS, L.L.C.
ENGINEERS
DESIGNERS
PLANNERS

MARAIS AREA DRAINAGE IMPROVEMENTS

LABADIEVILLE, LA.

BOARD MEMBERS

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WARD - 7

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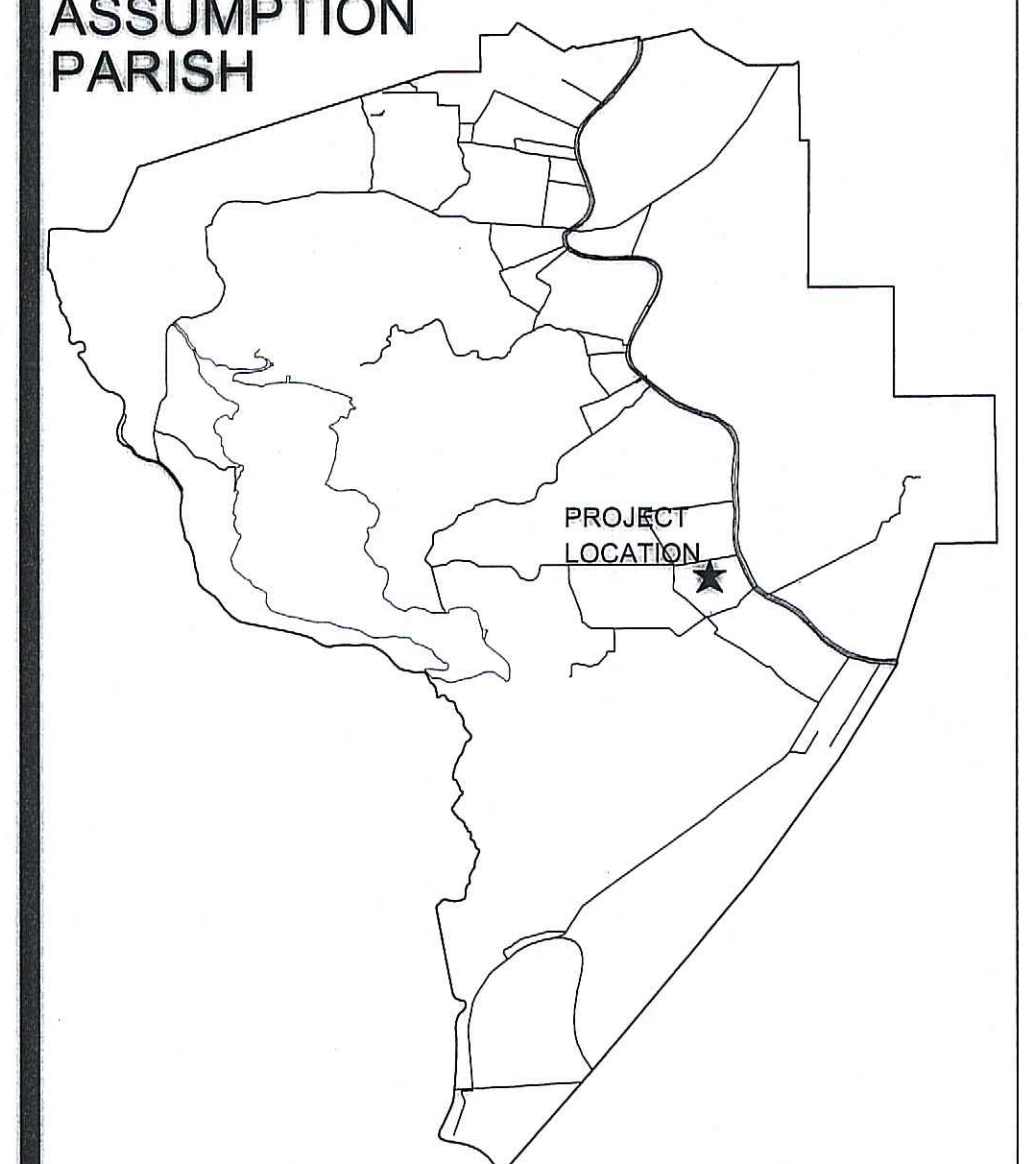
MICHAEL DIAS WARD 5
CHRIS CARTER WARD 6
JAMIE PONVILLE. WARD 8
MYRON MATHERNE WARD 9

JANUARY 2026

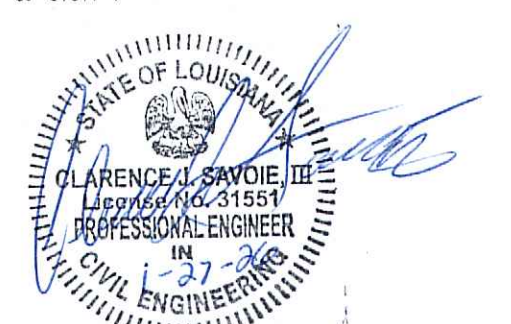
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ASSUMPTION PARISH

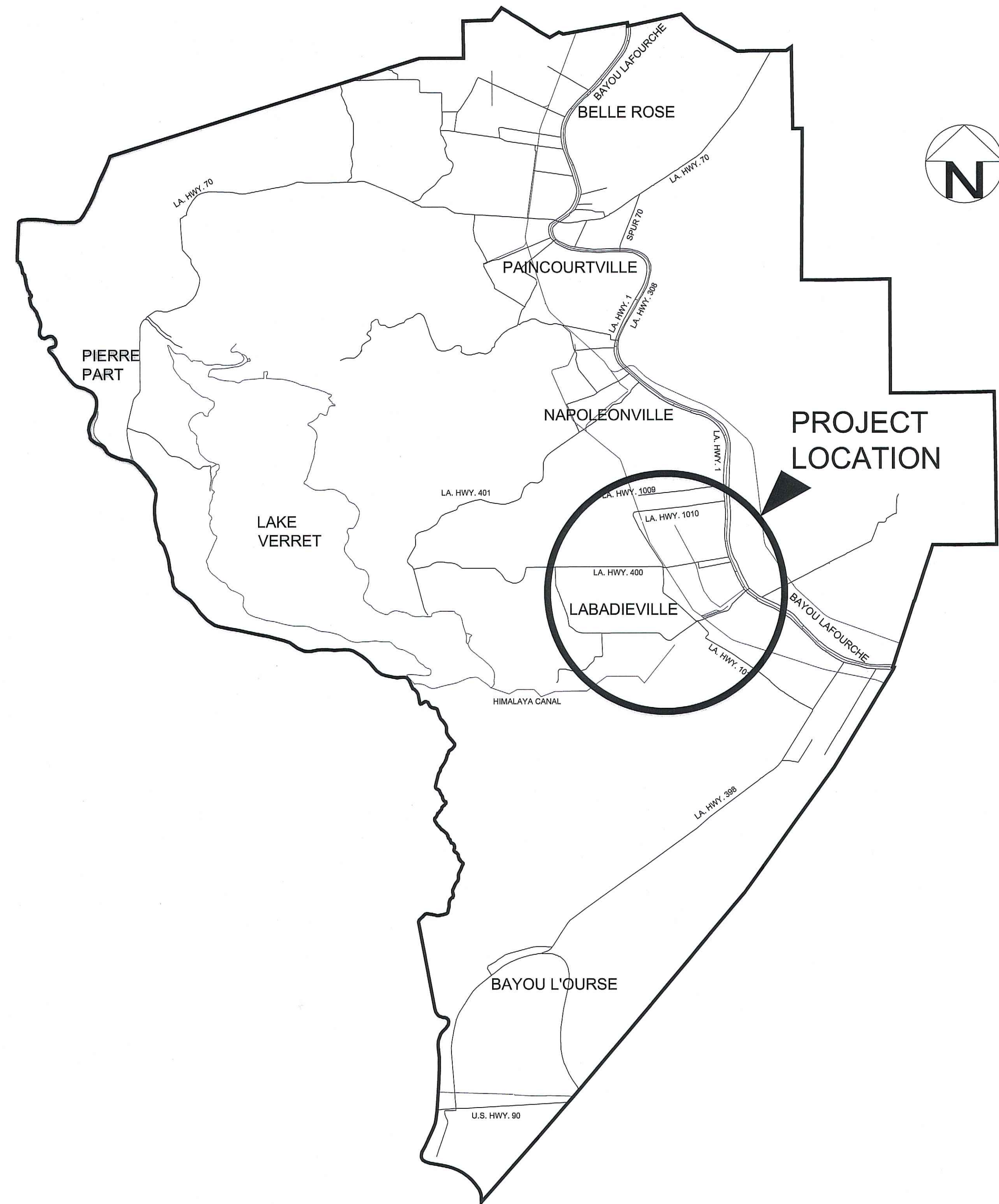


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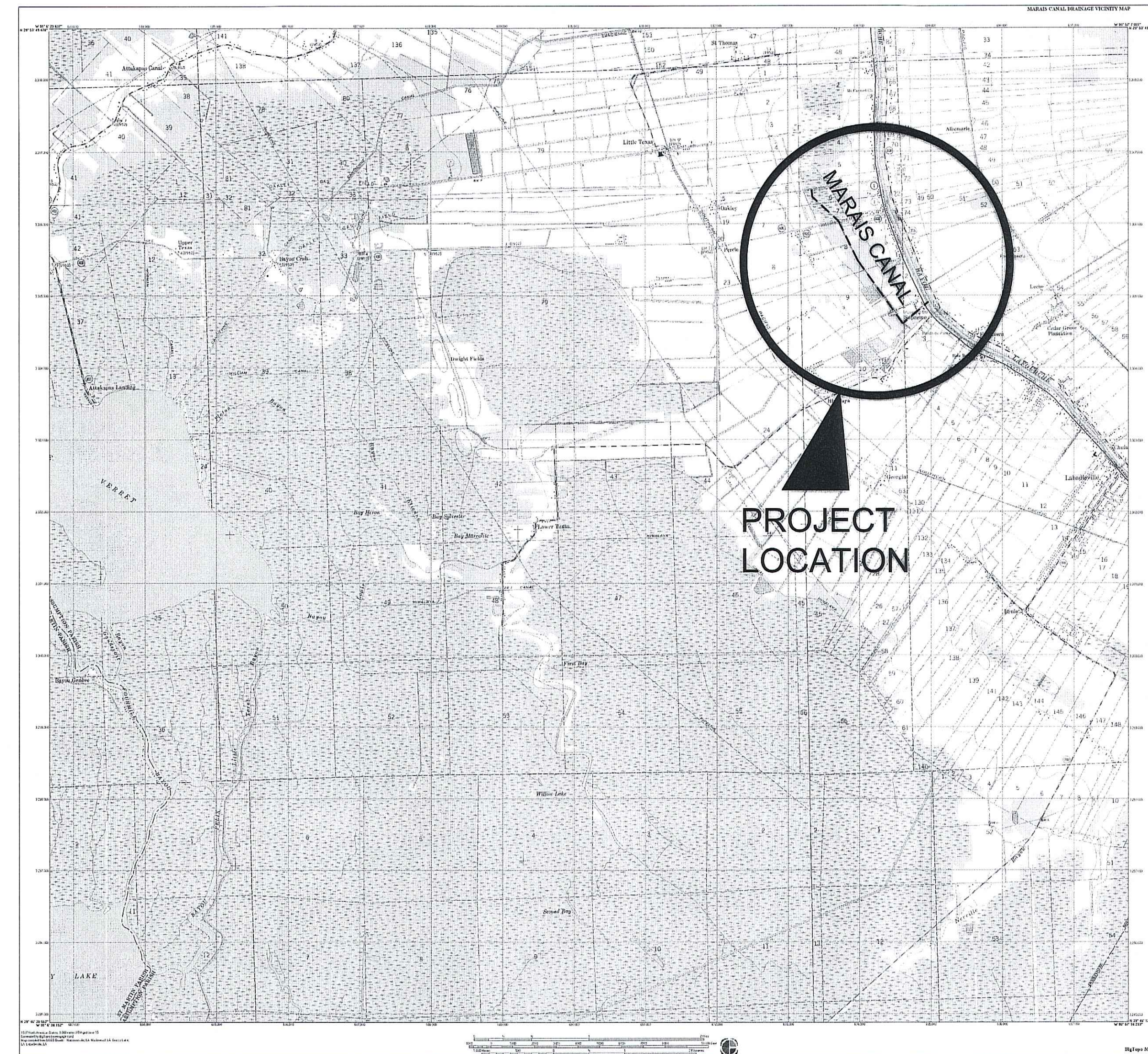


PROJECT NUMBER :
S-14-235A

SHEET NUMBER :
G.1



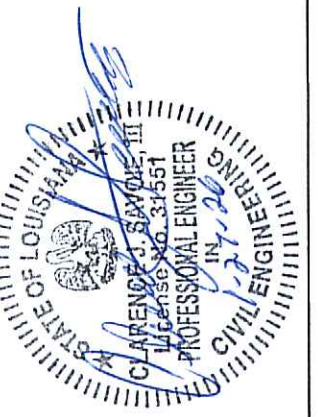
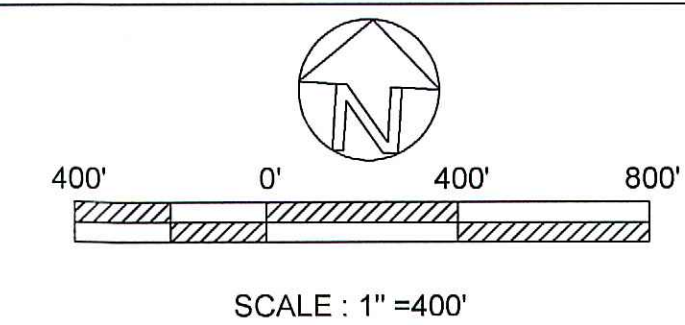
PARISH LOCATION MAP



VICINITY MAP

GENERAL NOTES

- 1.) CONTACT ENGINEER, C.J. SAVOIE ENGINEERS, PRIOR TO ANY FIELD CHANGES. PH. # (985)369-2341.
- 2.) NOTIFY ASSUMPTION PARISH MAINTENANCE DEPARTMENT BEFORE COMMENCING CONSTRUCTION. PH. # (985)369-7742.
- 3.) CONTACT "LOUISIANA ONE-CALL" 1-800-272-3020.
- 4.) NOTIFY ALL RESIDENTS ALONG ROUTE OF PROJECT BEFORE COMMENCING CONSTRUCTION.
- 5.) CONSTRUCTION SURVEYING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 6.) LOCAL GAS COMPANY AND OTHER ENCOUNTERED UTILITIES SHALL BE NOTIFIED PRIOR TO CONSTRUCTION.
- 7.) CONTRACTOR SHALL NOT DAMAGE ANY OTHER UNDERGROUND OR OVERHEAD FACILITIES SUCH AS WATER PIPING, WATER METERS, POWER LINES, ETC. WHEN SUCH IS DAMAGED, CONTRACTOR SHALL REPLACE AT HIS EXPENSE.
- 8.) CONTRACTOR SHALL PLACE ALL REQUIRED BARRICADES, SIGNS AND WARNING DEVICES TO PREVENT ACCIDENTS BY PEDESTRIANS AND VEHICULAR TRAFFIC.
- 9.) CONSTRUCTION SITE SHALL BE LEFT IN A NEAT & ORDERLY CONDITION PRIOR TO FINAL ACCEPTANCE.
- 10.) THE PROPER "CONSTRUCTION AHEAD" & "END CONSTRUCTION" SIGNS SHALL BE PLACED ALONG ALL STATE HIGHWAYS ADJACENT TO THE PROJECT STREET DURING CONSTRUCTION ACCORDING TO THE LOUISIANA STANDARDS SPECIFICATIONS FOR ROADS & BRIDGES AS LAST REVISED.



MARAIS AREA
DRAINAGE IMPROVEMENTS

PROJECT SCOPE AERIAL MAP
ASSUMPTION PARISH POLICE JURY

DRAWN BY: B.T.
REVISED: 9/18/25
APPROVED BY:
JOB #: S-14-235A
DATE: JAN., 2026
SCALE: 1"=400'
SHEET NUMBER
C.1



BID ITEM #4
MARAIS OUTFALL CANAL EXCAVATED MATERIAL HAUL SITE (FRENCH LN.) ±2.14 MILES FROM OUTFALL CANAL

EXISTING CANAL PREVIOUSLY SWEEP CLEAN & EXCAVATED BY THE PARISH

BID ITEM #2
INSTALL NEW BAR SCREEN LOCATION AT THE END OF CANCIENNE RD.

BID ITEM #1
DEMOLISH & REMOVE EXISTING BAR SCREEN

BID ITEM #3
MARAIS PUMP STATION IMPROVEMENTS LOWER EXISTING PUMP PLATFORM DECK & INSTALL NEW DIESEL ENGINES W/ FUEL SYSTEM (3 EA.) & INSTALL NEW 48" CULVERTS (2 EA.) W/ VALVE GATE CONTROL AT EXISTING PUMP PLATFORM LOCATION

IMPROVE DRAINAGE ALONG SOUTH SIDE CANCIENNE ROAD CLEAN & SWEEP DITCHES & INSTALL NEW SUB SURFACE DRAINAGE

BID ITEM #5

EXCAVATE OUTFALL CANAL BOTTOM & REMOVE FALLEN & OVER GROWN TREES AT EXISTING CANAL FROM LA. HWY. 1 TO BAYOU LAFOURCH (TREES & DIRT MATERIAL TO BE HAULED OFF SITE TO A PARISH APPROVED LOCATION)

BID ITEM #4

EXCAVATE OUTFALL CANAL BOTTOM & REMOVE FALLEN & OVER GROWN TREES AT EXISTING CANAL FROM PUMP STATION TO LA. HWY. 1 (TREES & DIRT MATERIAL TO BE HAULED OFF SITE TO A PARISH APPROVED LOCATION)

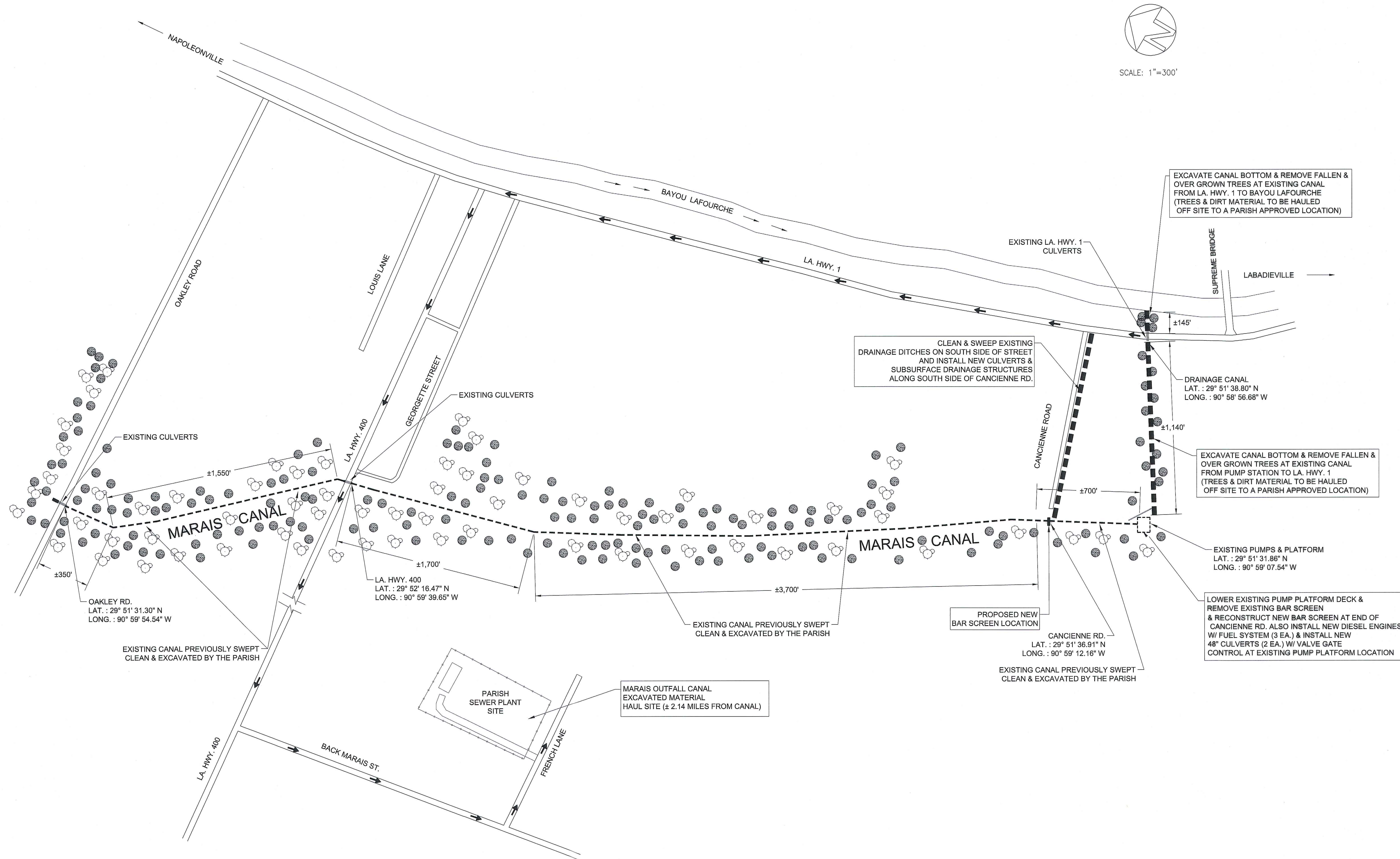
BID ITEM #4



MARAIS AREA
DRAINAGE IMPROVEMENTS

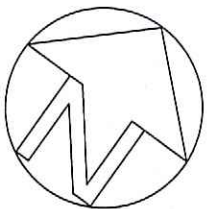
PROPOSED OVERALL SITE PLAN
ASSUMPTION PARISH POLICE JURY

DRAWN BY: B.T.
REVISED: 9/18/25
APPROVED BY:
JOB #: S-14-235A
DATE: JAN., 2026
SCALE: 1" = 300'
SHEET NUMBER
C.2



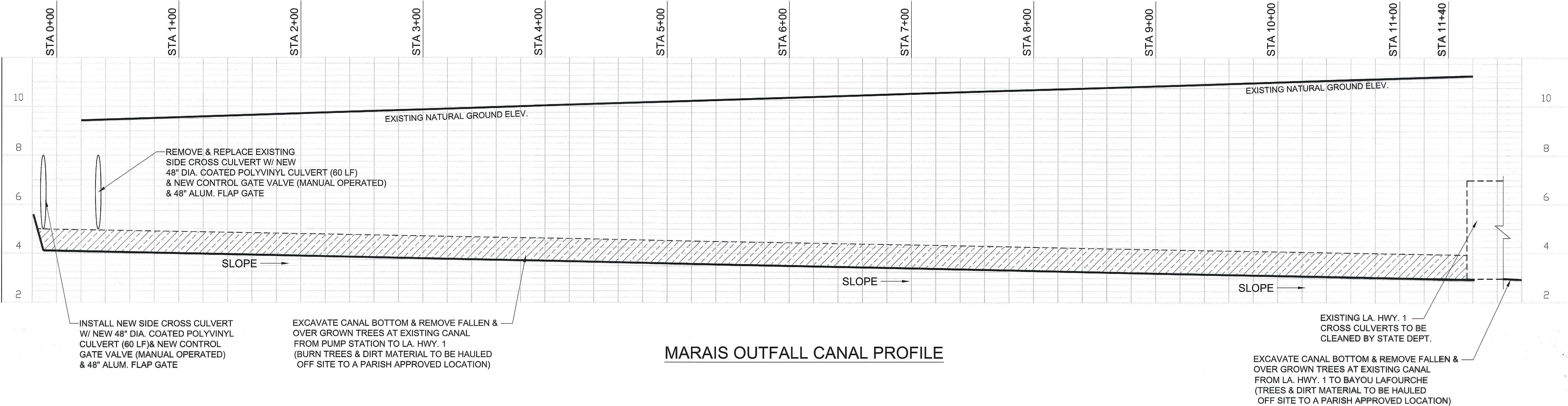
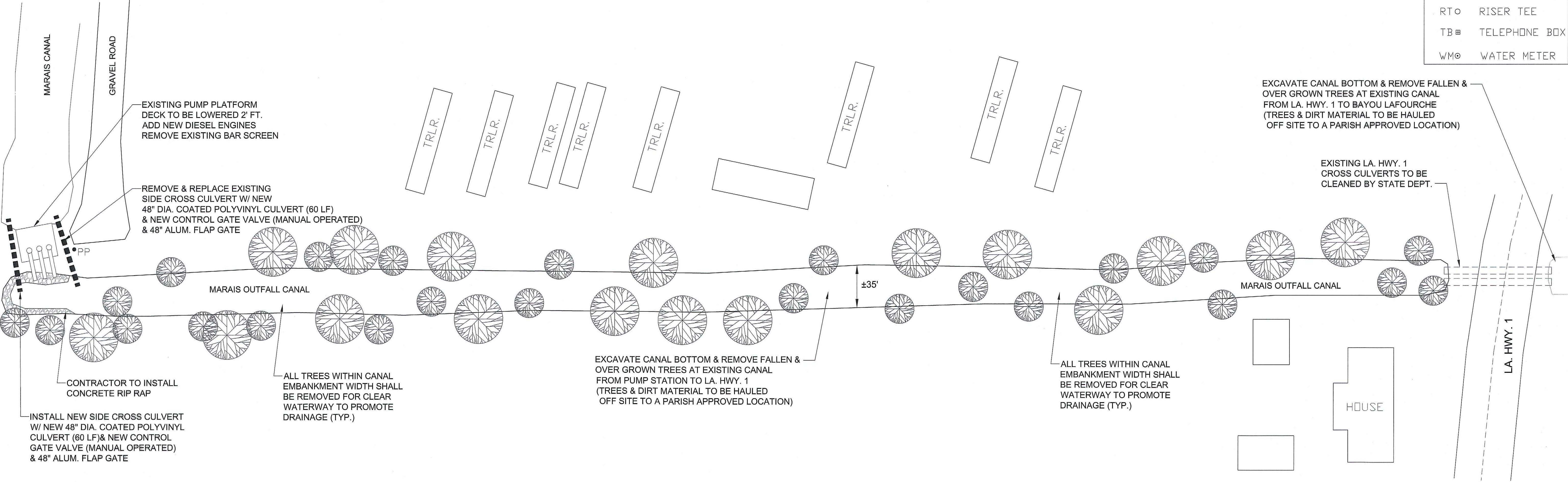
MARAIS OUTFALL CANAL
PROPOSED PLAN & PROFILE

MARAIS OUTFALL CANAL NOTES:
-REMOVE & REPLACE EXISTING SIDE CROSS CULVERT AT PUMP STA. W/ NEW (2 EA.)
48" DIA. COATED POLYVINYL CULVERT (60 LF) & NEW CONTROL GATE VALVE & FLAP GATE
-EXISTING FALLEN & REMOVED TREES TO BE HAULED OFF SITE
EXCAVATED MATERIAL TO BE HAULED OFF SITE TO PARISH APPROVED LOCATION



SCALE: 1"=40'-0"

LEGEND	
MHO	MANHOLE
PP•	POWER POLE
FH♦	FIRE HYDRANT
CB■	CATCH BASIN
RT○	RISER TEE
TB■	TELEPHONE BOX
WM○	WATER METER



MARAIS OUTFALL CANAL PROFILE

C.J. SAVOIE
ENGINEERS
DESIGNERS
CONSULTING ENGINEERS, L.L.C.
PLANNERS



MARAIS AREA
DRAINAGE IMPROVEMENTS

MARAIS OUTFALL CANAL
PROPOSED PLAN
ASSUMPTION PARISH POLICE JURY

DRAWN BY: BMT
REVISED:
APPROVED BY:
JOB#: S-14-235A
DATE: JAN., 2026
SCALE: 1"=40'-0"
SHEET NUMBER
C.3

CANCIENNE ROAD - SOUTH SIDE OF STREET NOTES:

- ALL DRAINAGE STRUCTURES TO BE REMOVED
- ALL DITCHES TO BE CLEANED, SHAPED AND GRADED TO PROMOTE DRAINAGE FOR INSTALLATION OF NEW SUB SURFACE DRAINAGE CULVERTS & STRUCTURES EXCAVATED MATERIAL TO BE USED AS BACKFILL AND EXCESS MATERIAL TO BE HAULED OFF SITE BY CONTRACTOR
- CONTRACTOR SHALL RELOCATE ALL WATER SERVICE TUBING TO BENEATH THE PROPOSED DRAINAGE PIPING AS ENCOUNTERED DURING EXCAVATION AND RECONNECT TO EXISTING METERS AND SERVICE LINE AS NECESSARY (SEE DETAIL SHEET C.15)
- CONTRACTOR SHALL CONNECT ALL EXISTING SEWER / GRAY WATER DISCHARGE PIPING TO PROPOSED SUBSURFACE DRAINAGE (SEE DETAIL SHEET C.14)
- CONTRACTOR SHALL SLOPE AND FOLLOW EXISTING DITCH PROFILE AND NATURAL FALL TO PROMOTE DRAINAGE AND INSTALL CULVERTS. CONTRACTOR SHALL EXCAVATE DITCH FOR THE INSTALLATION AND SUFFICIENT COVER OF DRAINAGE STRUCTURES.

CANCIENNE RD.
EXISTING SITE PLAN



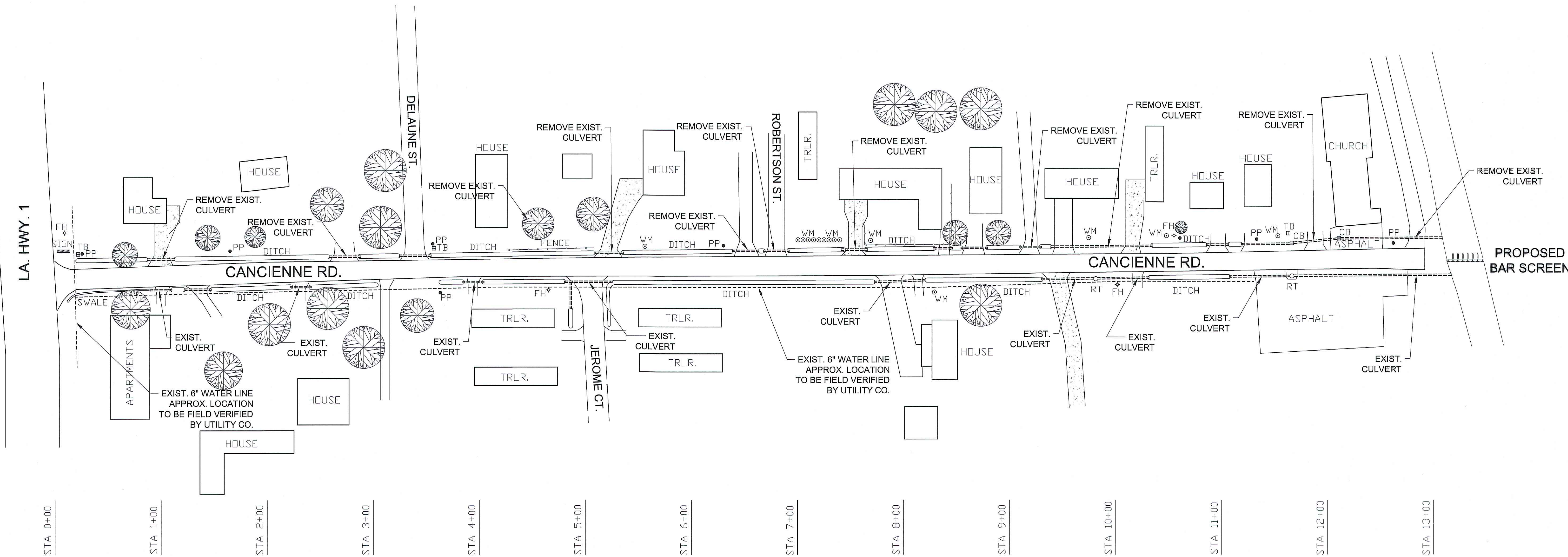
SCALE: 1"= 50'

LEGEND

MHO	MANHOLE
PP	POWER POLE
FH	FIRE HYDRANT
CB	CATCH BASIN
RT	RISER TEE
TB	TELEPHONE BOX
WM	WATER METER

NOTE: APPROXIMATE LOCATION OF WATER LINE TO BE VERIFIED WITH THE UTILITY COMPANY.

NOTE: CONTACT LOUISIANA ONE CALL PRIOR TO CONSTRUCTION



MAR AIS AREA
DRAINAGE IMPROVEMENTS

CANCIENNE RD. EXISTING PLAN VIEW

ASSUMPTION PARISH POLICE JURY

DRAWN BY: B.T.

REVISED:

APPROVED BY:

JOB #: S-14-235A

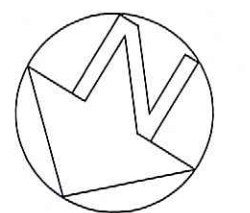
DATE: JAN., 2026

SCALE: 1"= 50'

SHEET NUMBER

C.4

CANCIENNE ROAD
PROPOSED PLAN & PROFILE #1

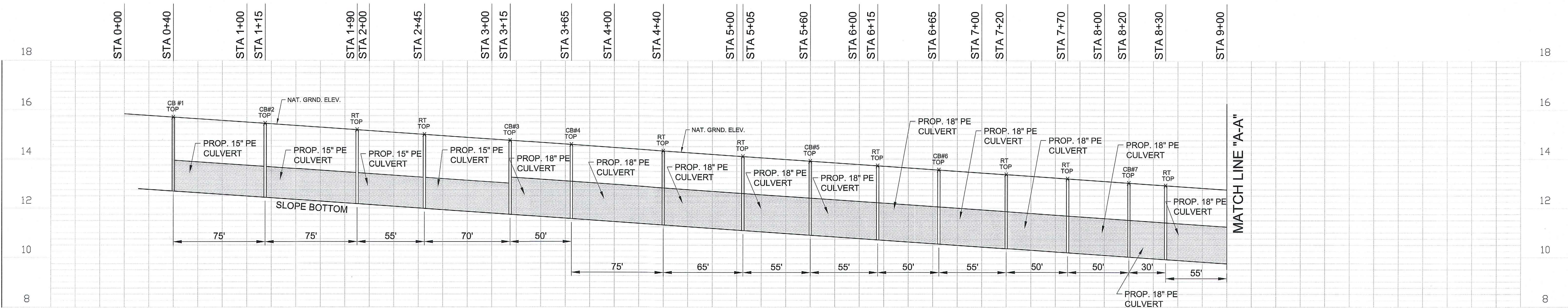
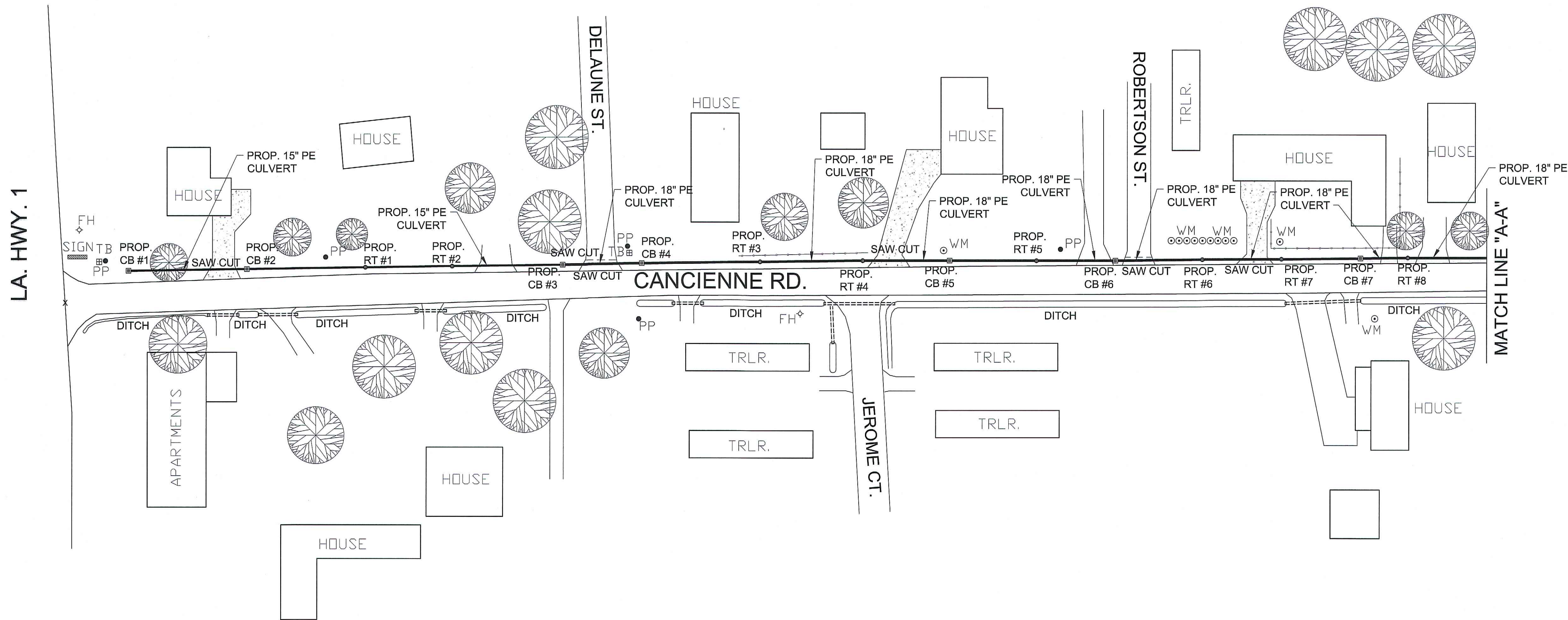


SCALE: 1"=40'-0"

CANCIENNE ROAD - SOUTH SIDE OF STREET NOTES:
-ALL DRAINAGE STRUCTURES TO BE REPLACED
-ALL DITCHES TO BE CLEANED, SHAPED AND GRADED TO PROMOTE DRAINAGE
-EXCAVATED MATERIAL TO BE USED AS BACKFILL AND EXCESS MATERIAL TO BE HAULED OFF SITE BY CONTRACTOR
-CONTRACTOR SHALL REPLACE ALL AGGREGATE & CONCRETE DRIVES AS REQUIRED FOR INSTALLATION OF CULVERTS

NOTE: APPROXIMATE LOCATION OF WATER LINE TO BE VERIFIED WITH THE UTILITY COMPANY.
NOTE: CONTACT LOUISIANA ONE CALL PRIOR TO CONSTRUCTION

LEGEND	
MHO	MANHOLE
PP	POWER POLE
FH	FIRE HYDRANT
CB	CATCH BASIN
RT	RISER TEE
TB	TELEPHONE BOX
WM	WATER METER



CANCIENNE ROAD - SOUTH SIDE PROFILE #1

MARAIS AREA
DRAINAGE IMPROVEMENTS

CANCIENNE ROAD
PROPOSED PLAN & PROFILE #1

ASSUMPTION PARISH POLICE JURY

DRAWN BY: BMT
REVISED:
APPROVED BY:
JOB#: S-14-235A
DATE: JAN., 2026
SCALE: 1"=40'-0"
SHEET NUMBER

SCALE: 1"=40'-0"

NOTE: APPROXIMATE LOCATION OF WATER LINE TO BE VERIFIED WITH THE UTILITY COMPANY.

LEGEND	
MHO	MANHOLE
PP●	POWER POLE
FH◇	FIRE HYDRANT
CB■	CATCH BASIN
RT○	RISER TEE
TB■	TELEPHONE BOX
WM○	WATER METER

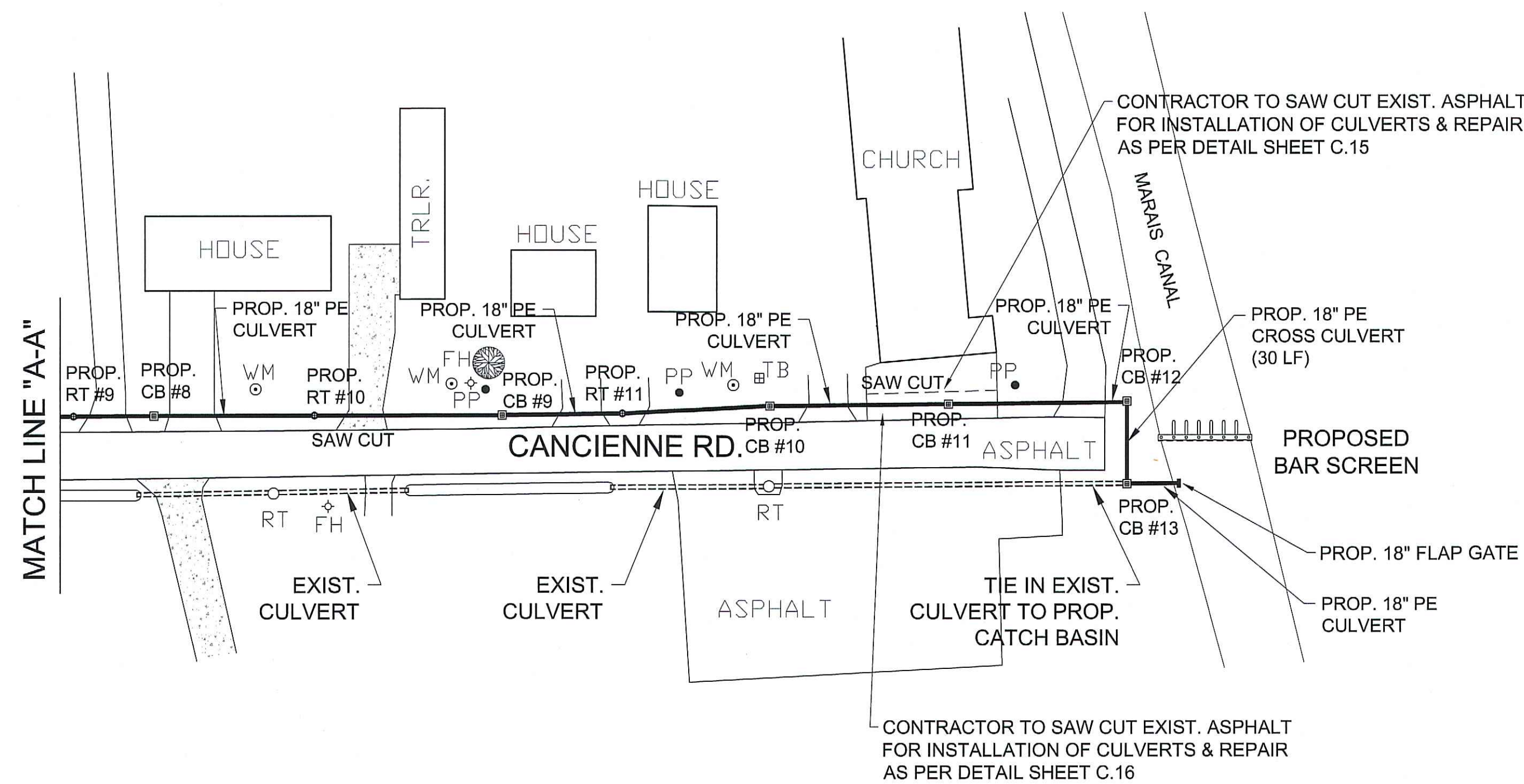
C.J. SAVOIE
CONSULTING ENGINEERS, L.

MARAI AREA DRAINAGE IMPROVEMENTS

CANCIENNE ROAD
PROPOSED PLAN & PROFILE #2

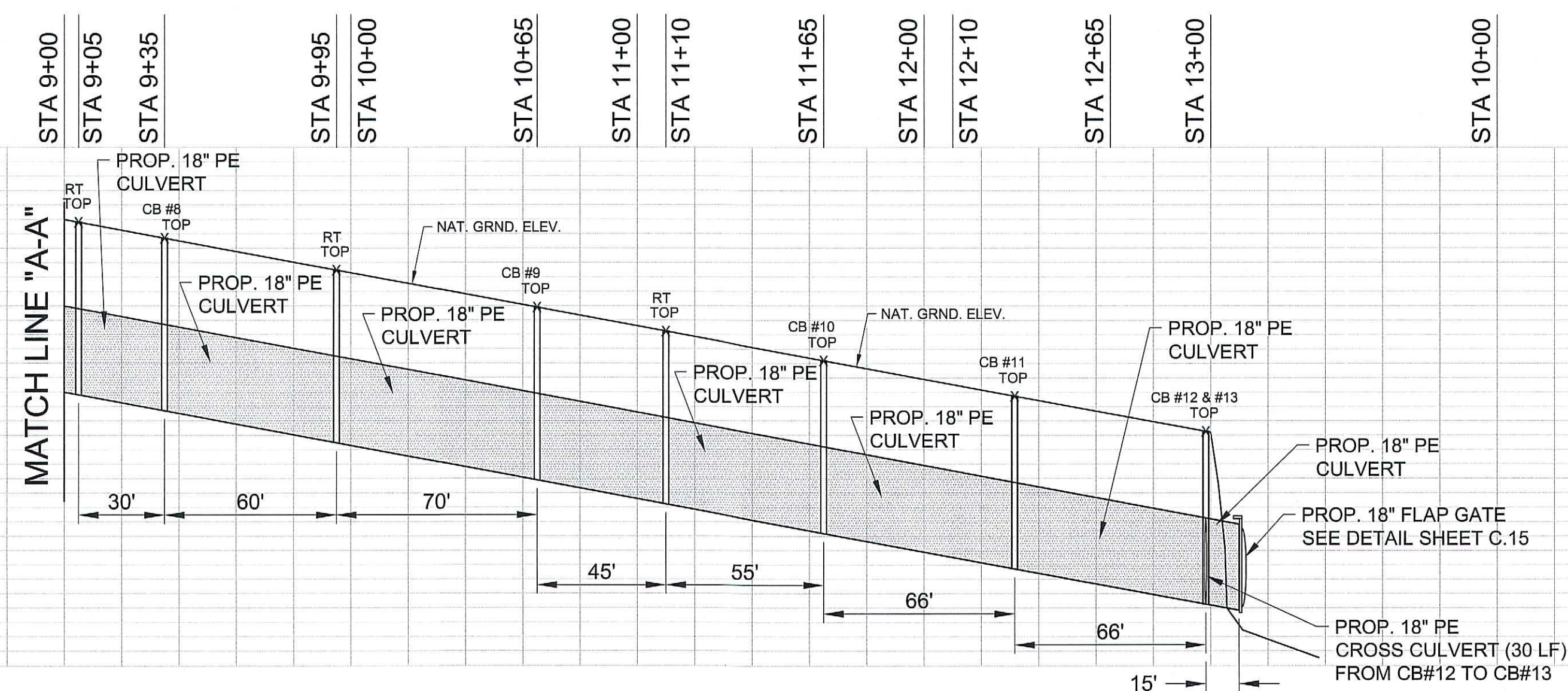
WN BY: BMT
ISED:
ROVED BY:
#: S-14-235A
E: JAN., 2026
LE: 1"=40'-0"
SHEET NUMBER

C.6



CANCIENNE ROAD - SOUTH SIDE OF STREET NOTES:

- ALL DRAINAGE STRUCTURES TO BE REMOVED
- ALL DITCHES TO BE CLEANED, SHAPED AND GRADED TO PROMOTE DRAINAGE FOR INSTALLATION OF NEW SUB SURFACE DRAINAGE CULVERTS & STRUCTURES EXCAVATED MATERIAL TO BE USED AS BACKFILL AND EXCESS MATERIAL TO BE HAULED OFF SITE BY CONTRACTOR
- CONTRACTOR SHALL RELOCATE ALL WATER SERVICE TUBING TO BENEATH THE PROPOSED DRAINAGE PIPING AS ENCOUNTERED DURING EXCAVATION AND RECONNECT TO EXISTING METERS AND SERVICE LINE AS NECESSARY (SEE DETAIL SHEET C.15)
- CONTRACTOR SHALL CONNECT ALL EXISTING SEWER / GRAY WATER DISCHARGE PIPING TO PROPOSED SUBSURFACE DRAINAGE (SEE DETAIL SHEET C.14)
- CONTRACTOR SHALL SLOPE AND FOLLOW EXISTING DITCH PROFILE AND NATURAL FALL TO PROMOTE DRAINAGE AND INSTALL CULVERTS. CONTRACTOR SHALL EXCAVATE DITCH FOR THE INSTALLATION AND SUFFICIENT COVER OF DRAINAGE STRUCTURES.



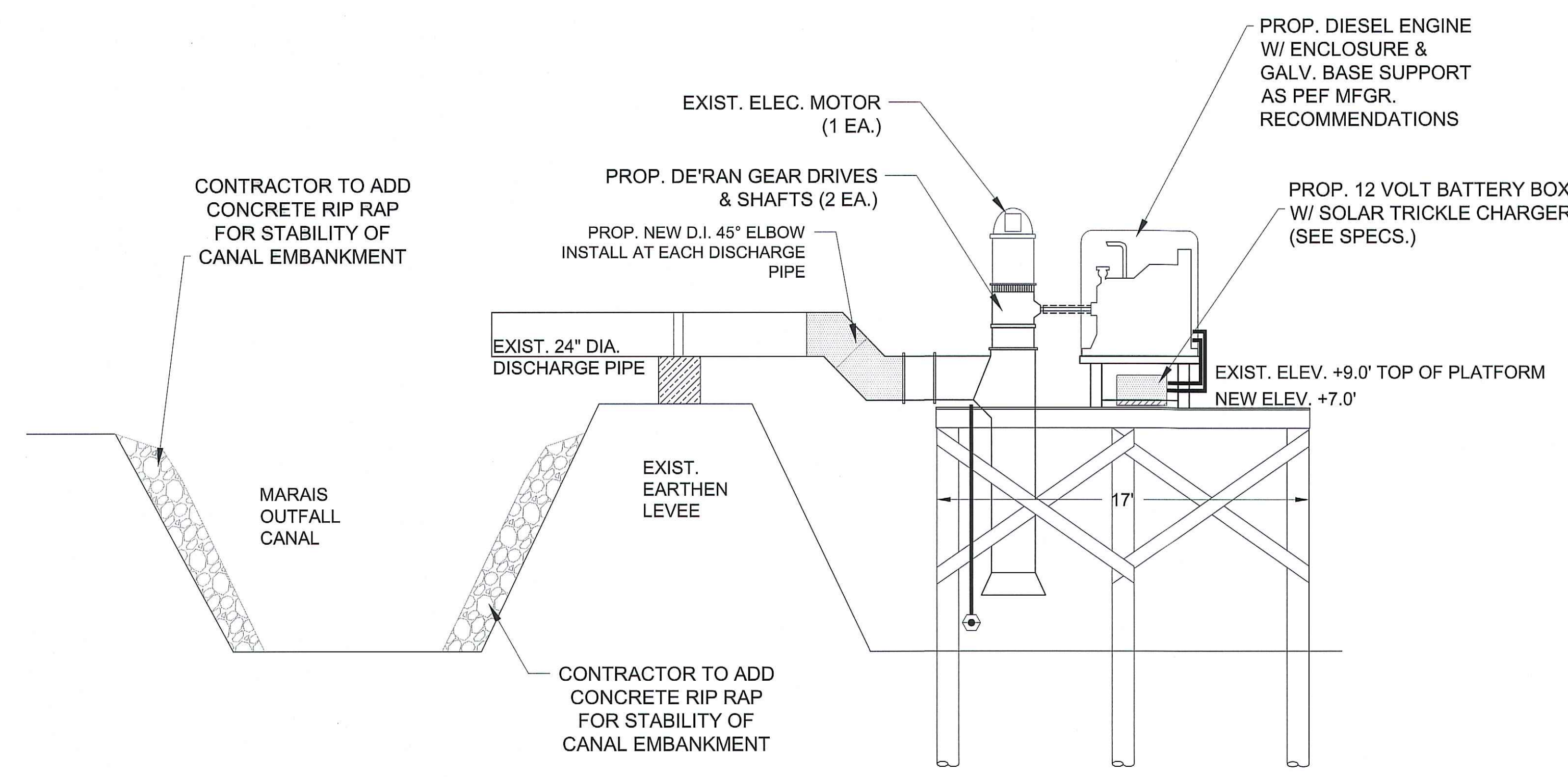
CANCIENNE ROAD - SOUTH SIDE PROFILE #2



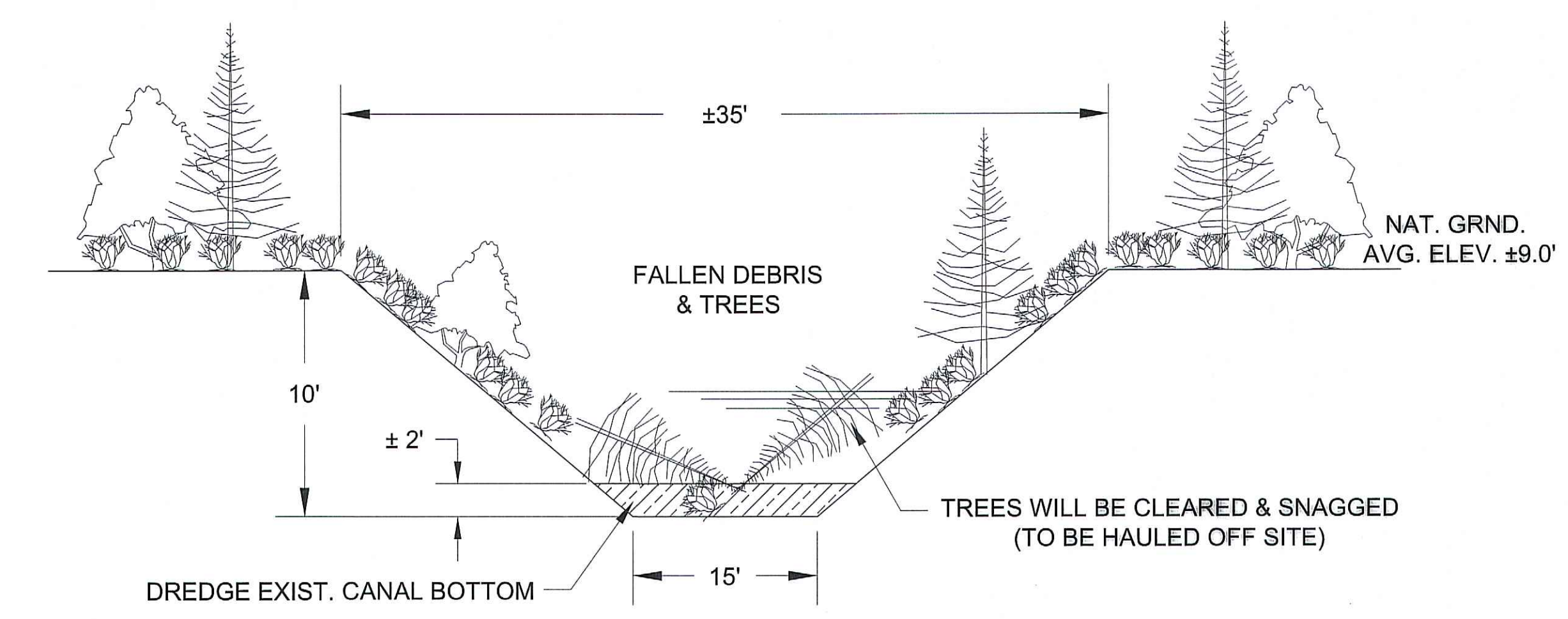
MARAIS AREA
DRAINAGE IMPROVEMENTS

CANAL SECTIONS PLAN & DETAILS
ASSUMPTION PARISH POLICE JURY

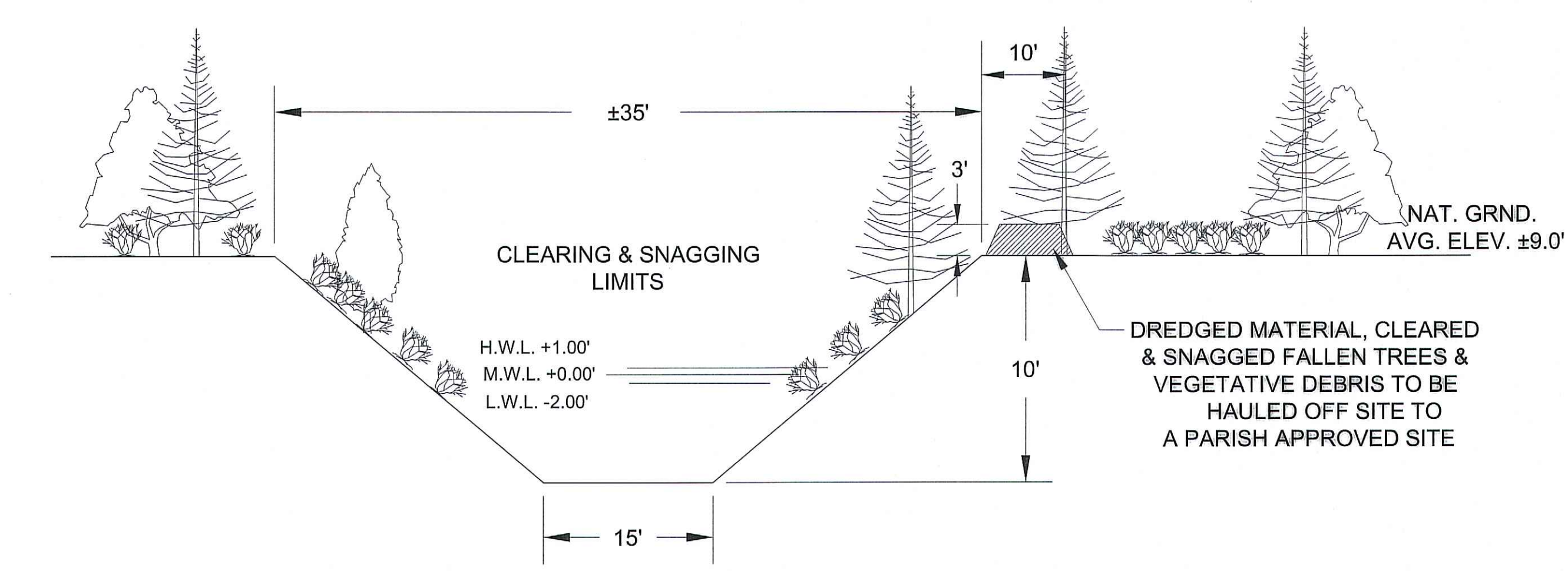
DRAWN BY: B.T.
REVISED:
APPROVED BY:
JOB #S-14-235A
DATE: JAN., 2026
SCALE:
SHEET NUMBER
C.7



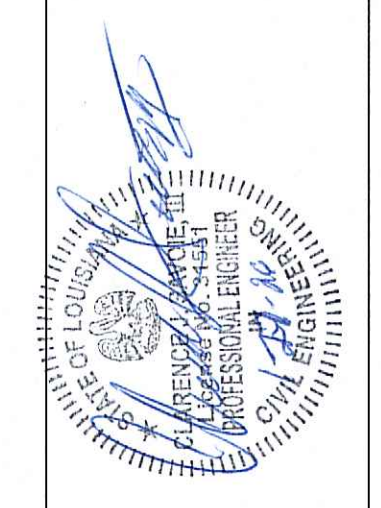
PROPOSED MARAIS OUTFALL CANAL AT PUMP STATION CROSS SECTION
(WORK TO BE DONE BY CONTRACTOR)



EXISTING MARAIS OUTFALL CANAL FROM PUMP STA. TO BAYOU LAFOURCHE CROSS SECTION
(1,140 LINEAR FEET)



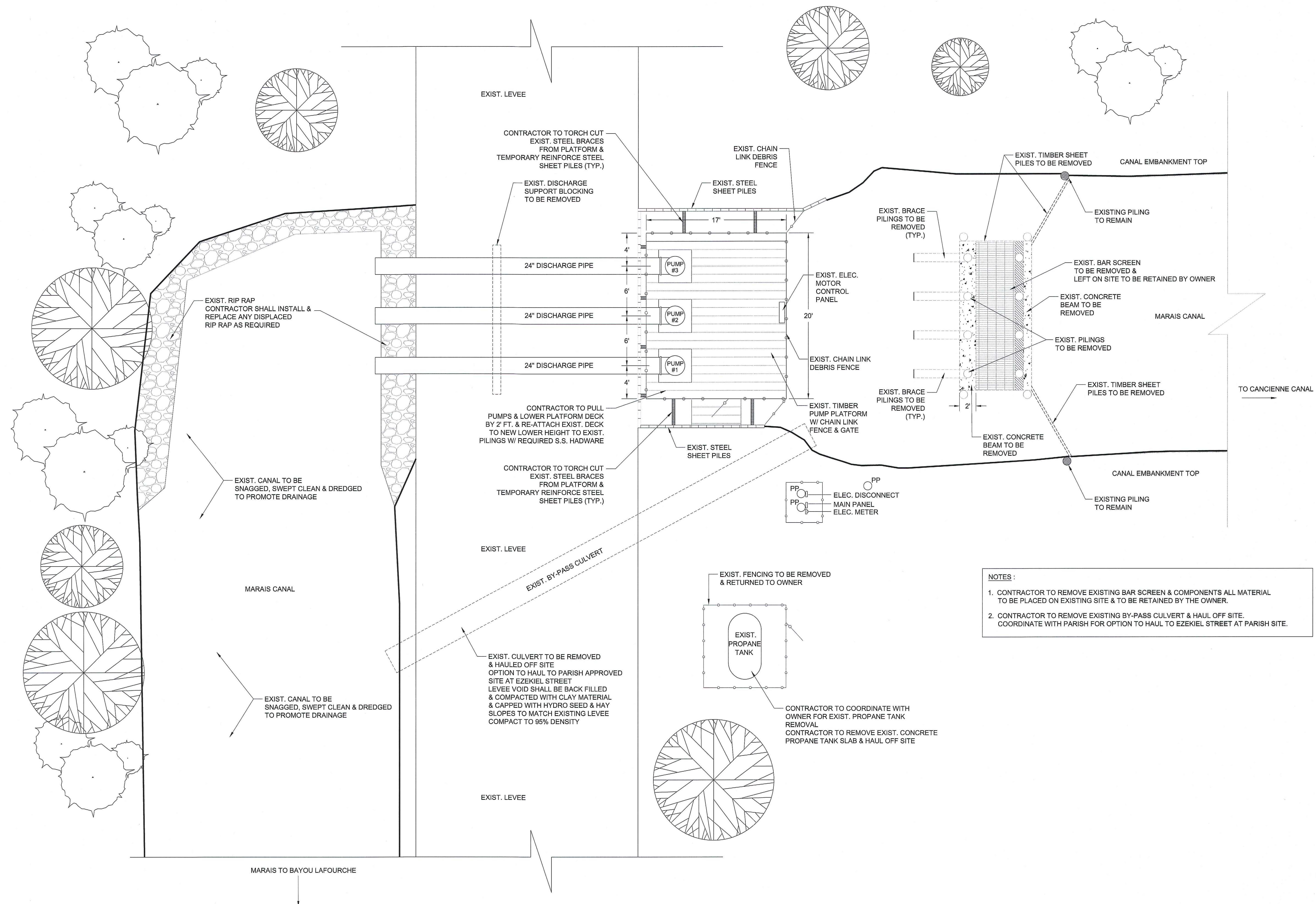
PROPOSED MARAIS OUTFALL CANAL FROM PUMP STA. TO BAYOU LAFOURCHE CROSS SECTION
(1,140 LINEAR FEET)
(WORK TO BE DONE BY CONTRACTOR)



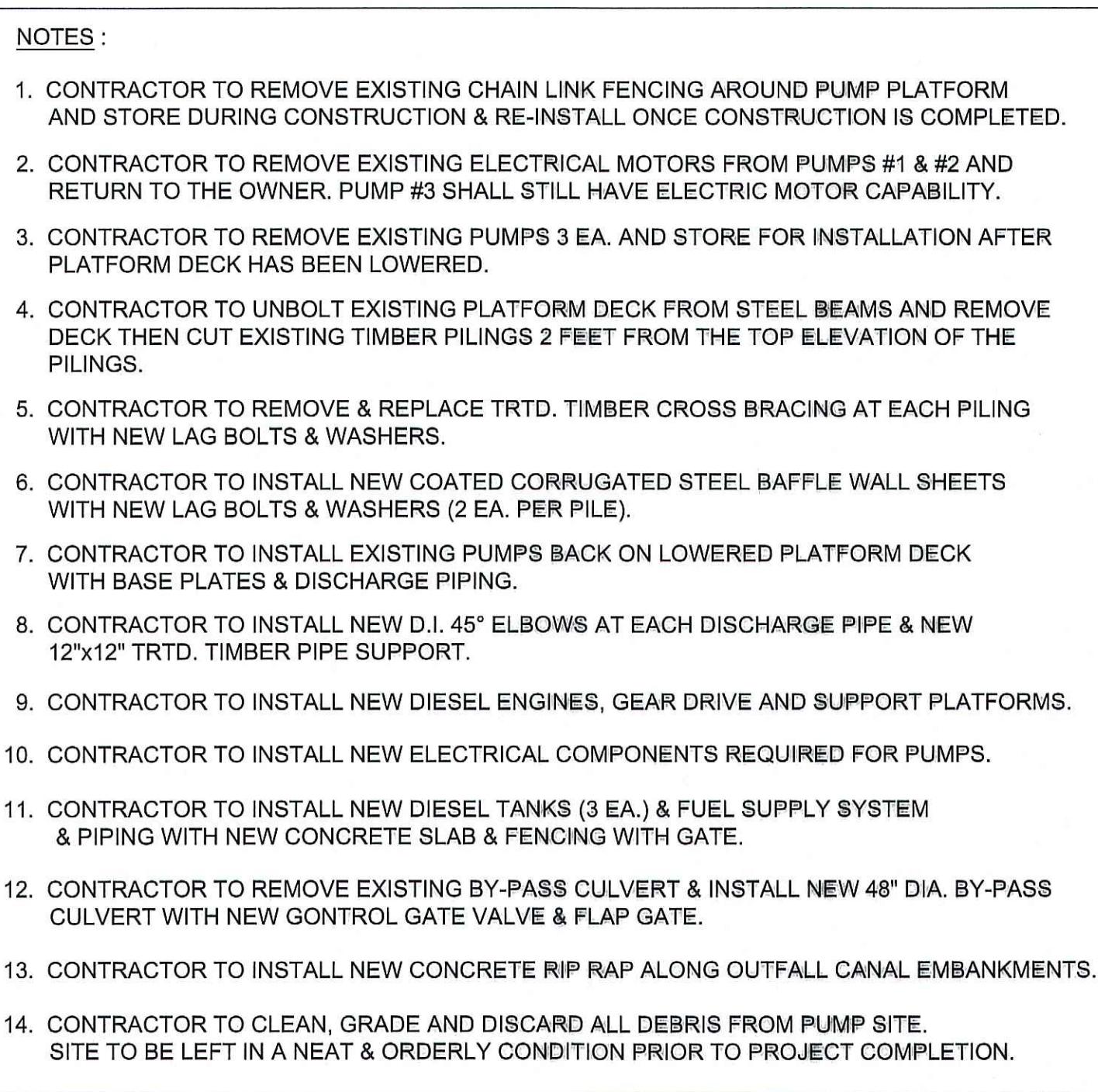
MARAIS AREA DRAINAGE
IMPROVEMENTS

EXISTING PUMP & BAR SCREEN SITE
ASSUMPTION PARISH POLICE JURY

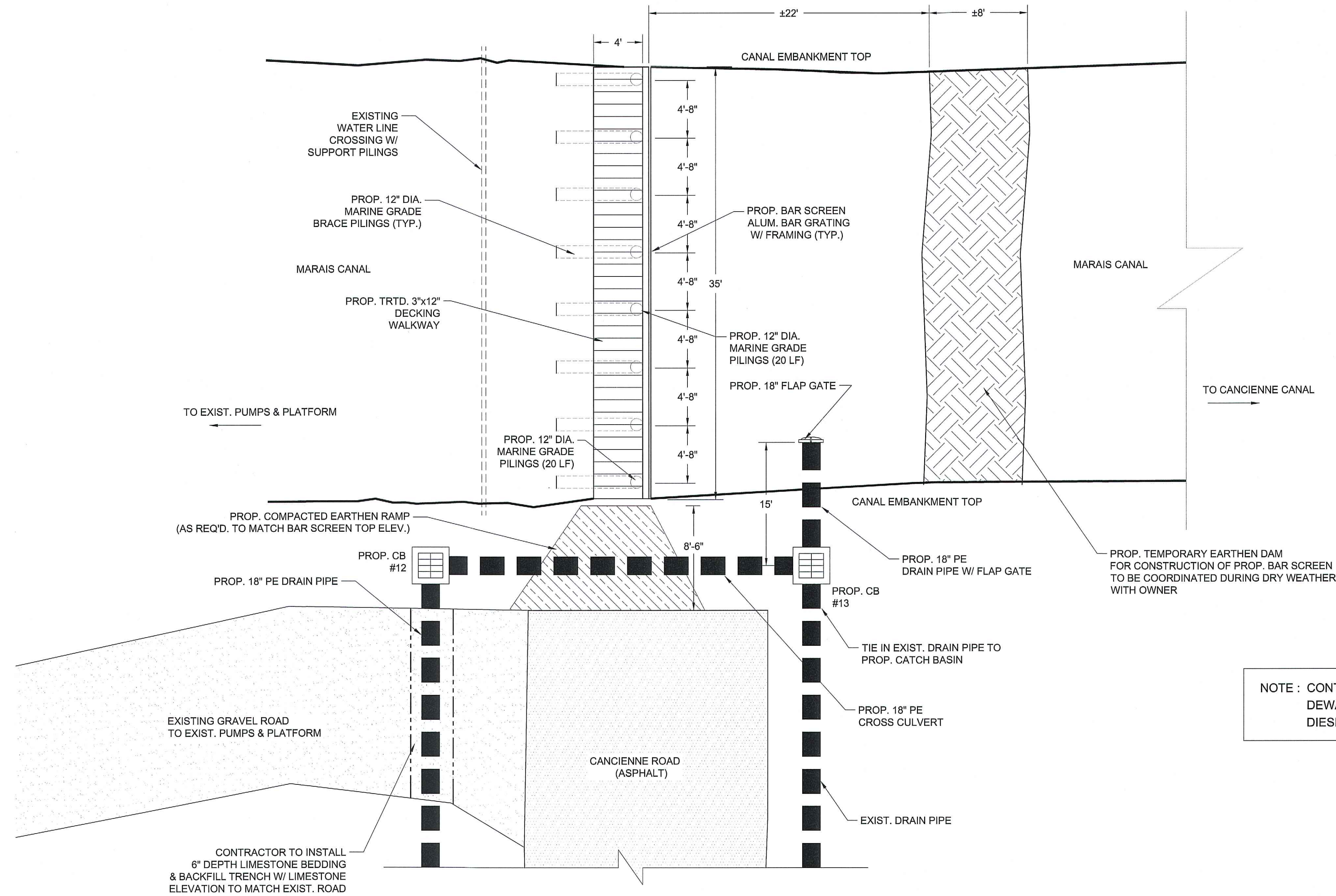
DRAWN BY: B.M.
REVISED:
APPROVED BY:
JOB #: S-14-235A
DATE: JAN., 2026
SCALE: 3/16"=1'-0"
SHEET NUMBER
C.8



EXISTING PLAN VIEW
SCALE: 3/16" = 1'-0"

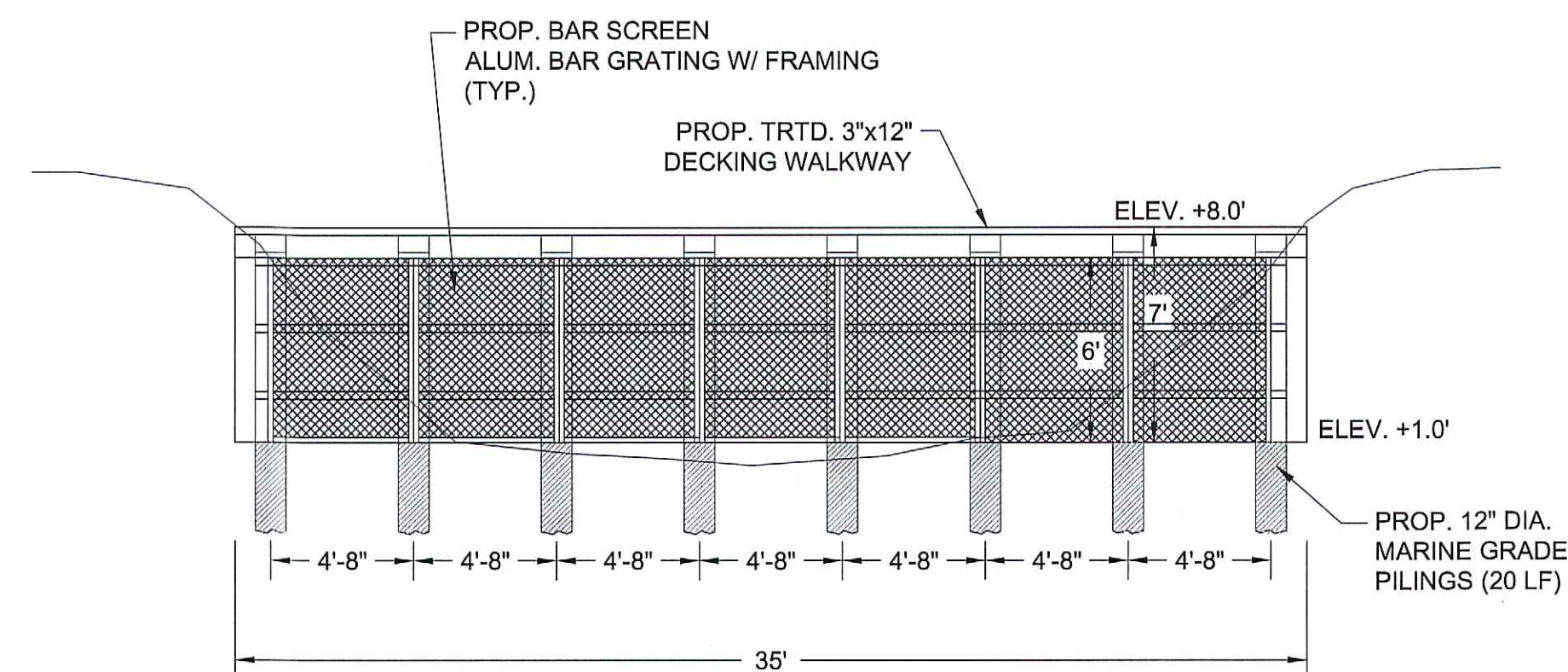


SCALE: 3/16" = 1'-0"



PROPOSED BAR SCREEN PLAN VIEW

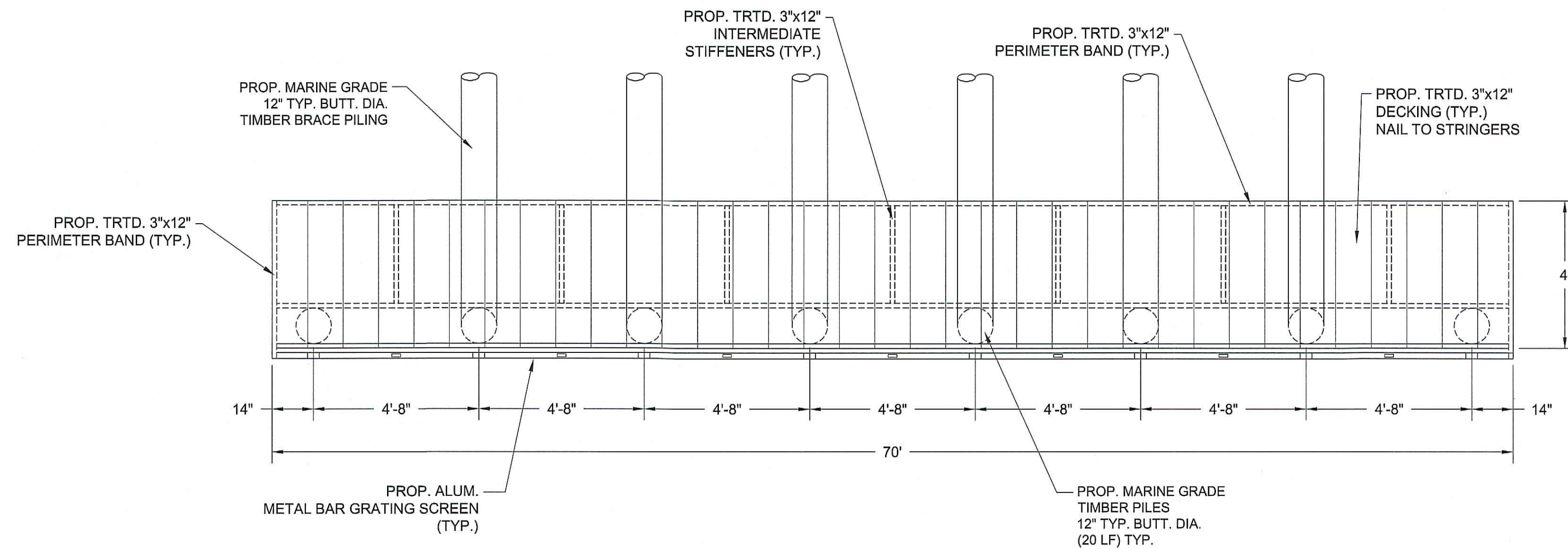
SCALE: 3/16" = 1'-0"



PROPOSED BAR SCREEN CROSS SECTION

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

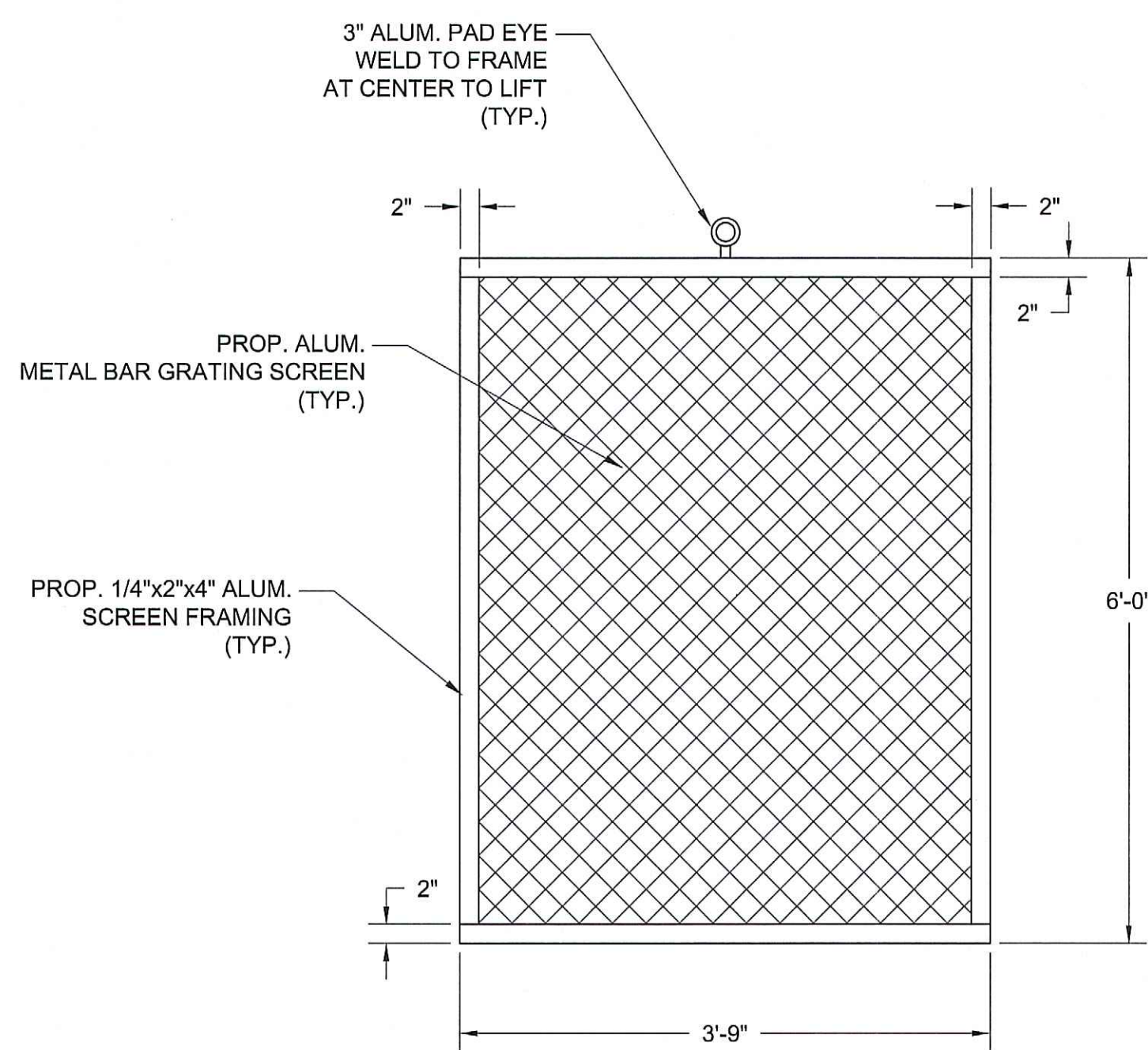
NOTE : CONTRACTOR SHALL INSTALL TEMPORARY DEWATERING PUMPS AND TRAILER MOUNTED DIESEL PUMP FOR DRAINAGE FLOW BYPASS.



BAR SCREEN PLAN VIEW

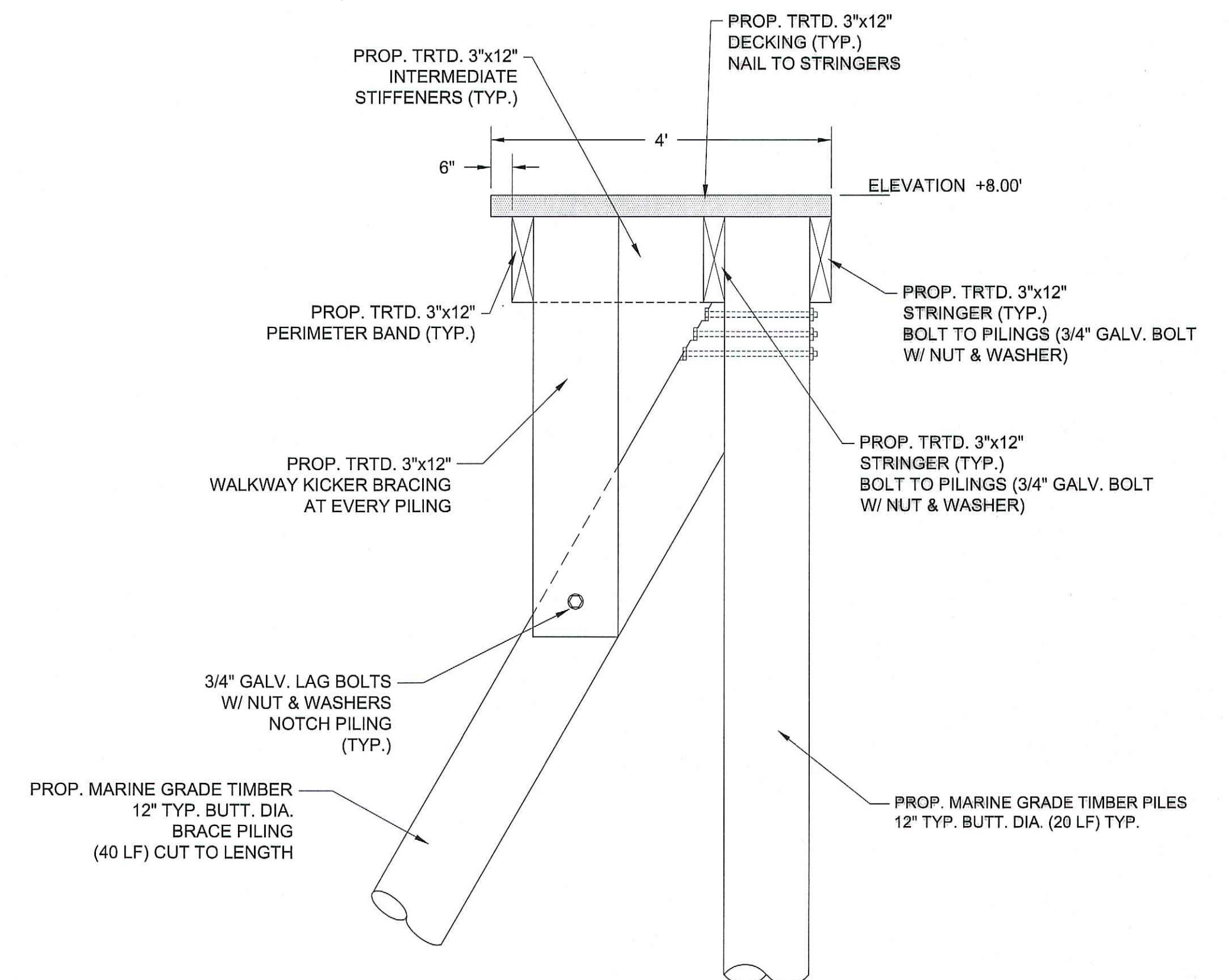
SCALE: 3/8" = 1'-0"

NOTE: ALL FRAMING TO BE BOLTED TOGETHER WITH GALVANIZED NUTS, BOLTS, WASHER & SCREWS. STRAPPING, ANGLE BRACES & HARDWARE. DECKING TO BE FASTENED WITH ALL WEATHER COATED DECK SCREWS.

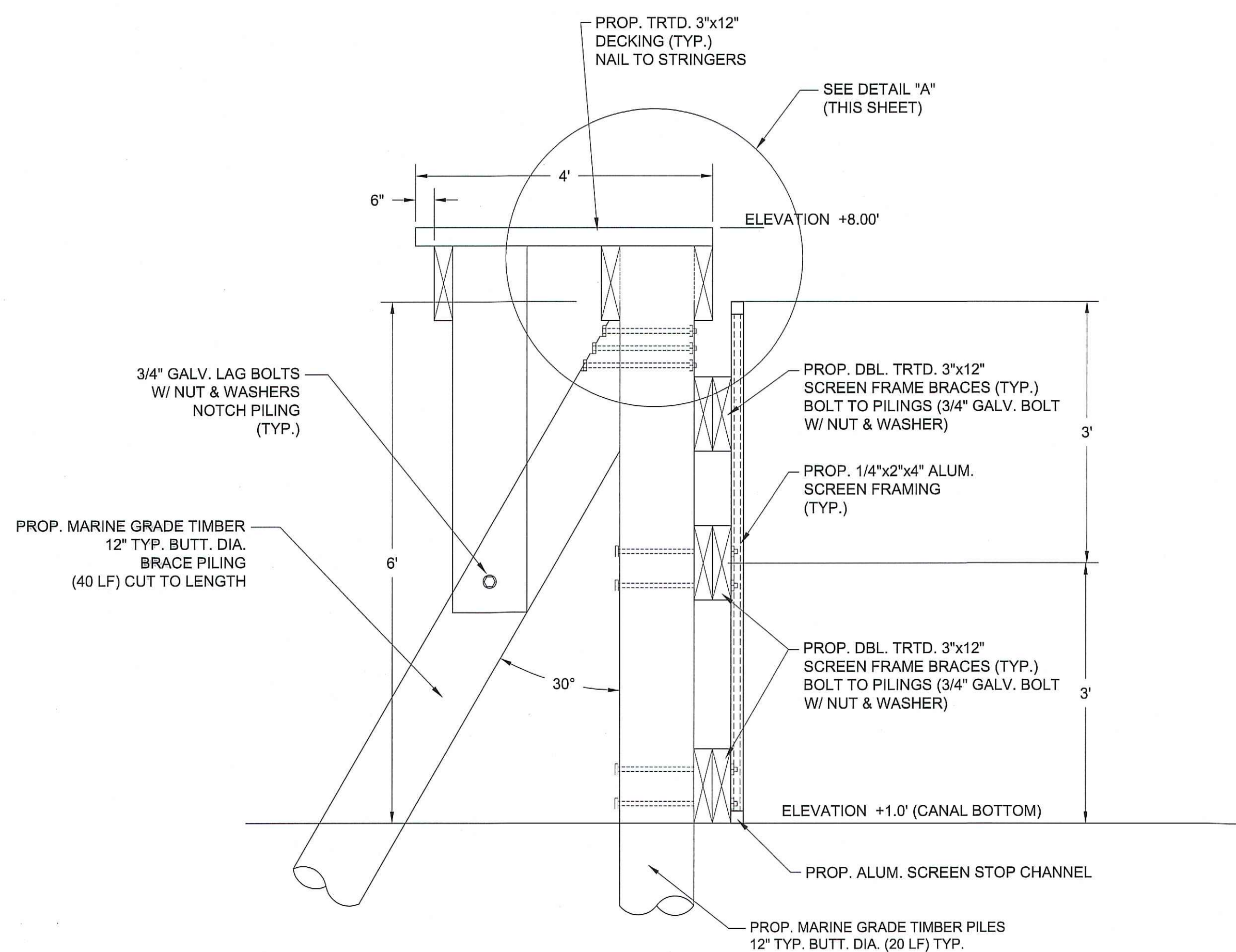


SCREEN GRATING DETAIL (TYP.)

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

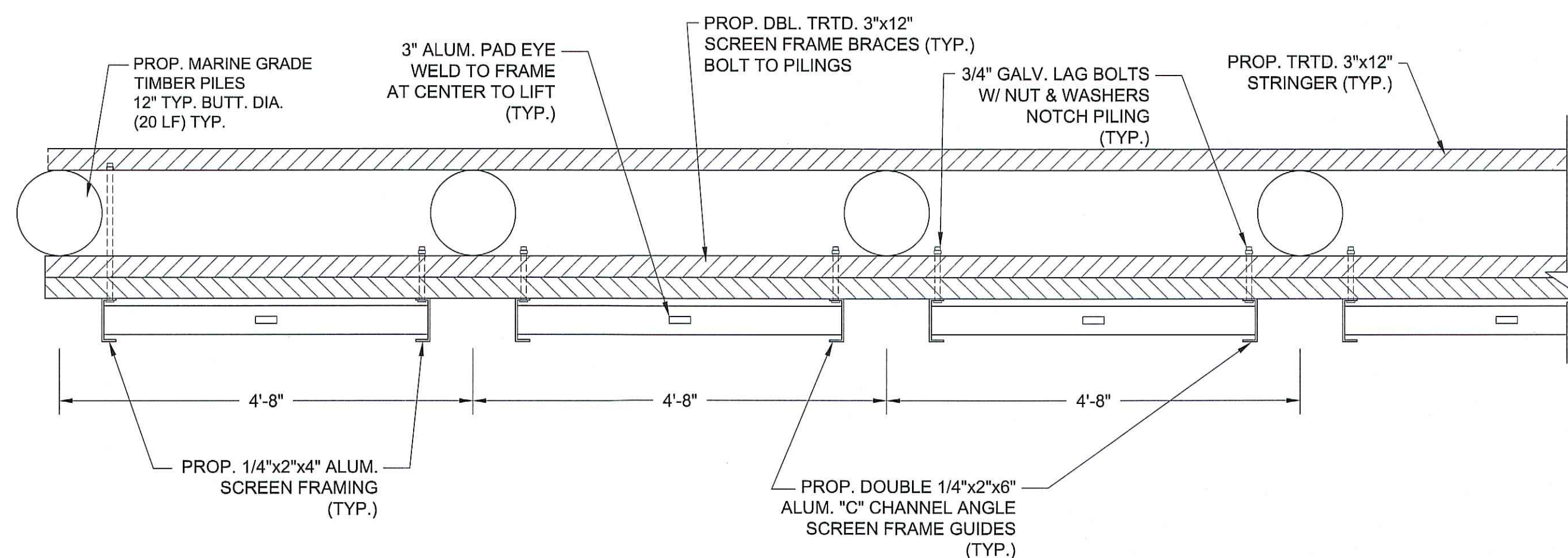


DETAIL "A"



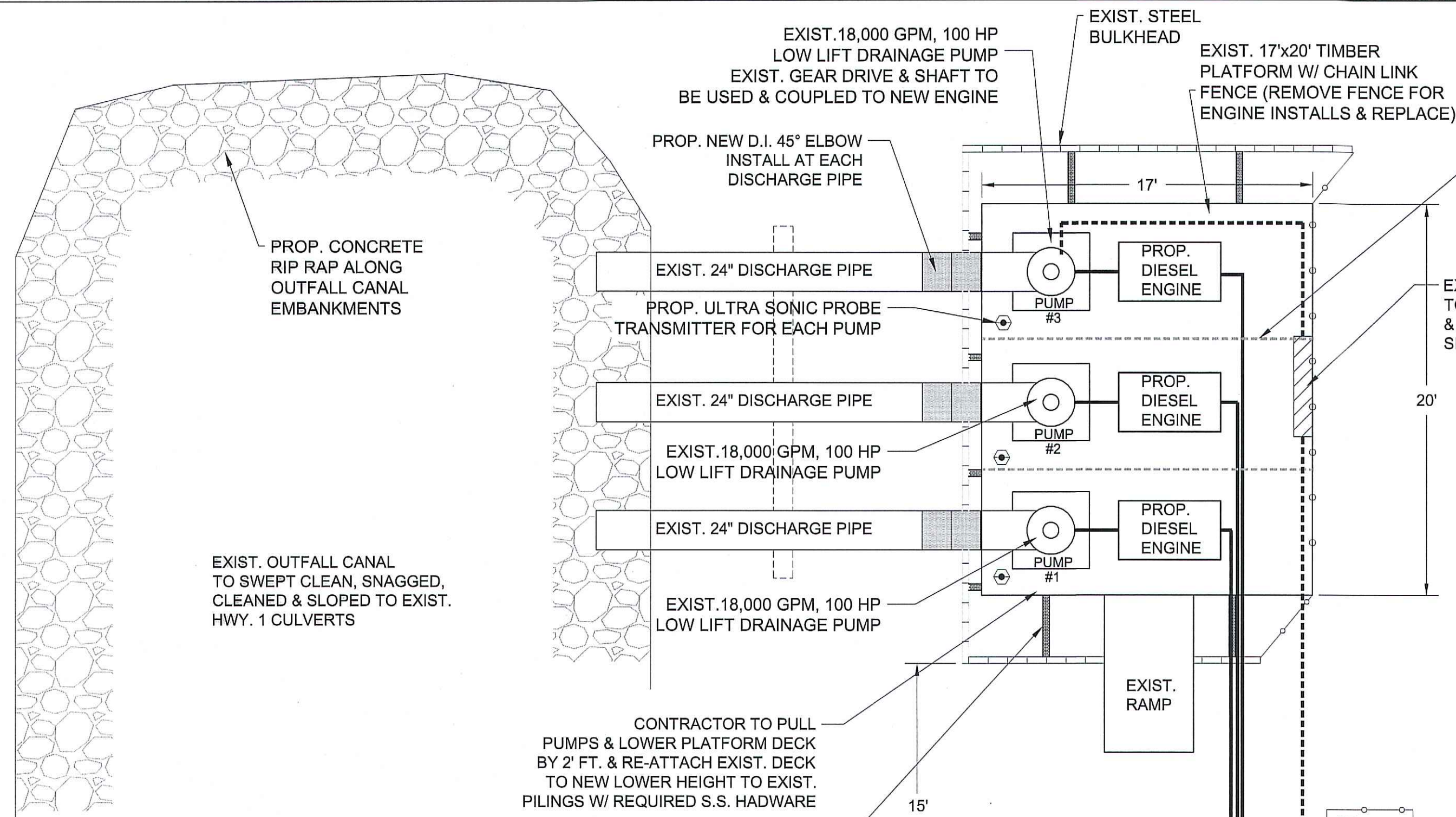
SECTION "A-A"

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



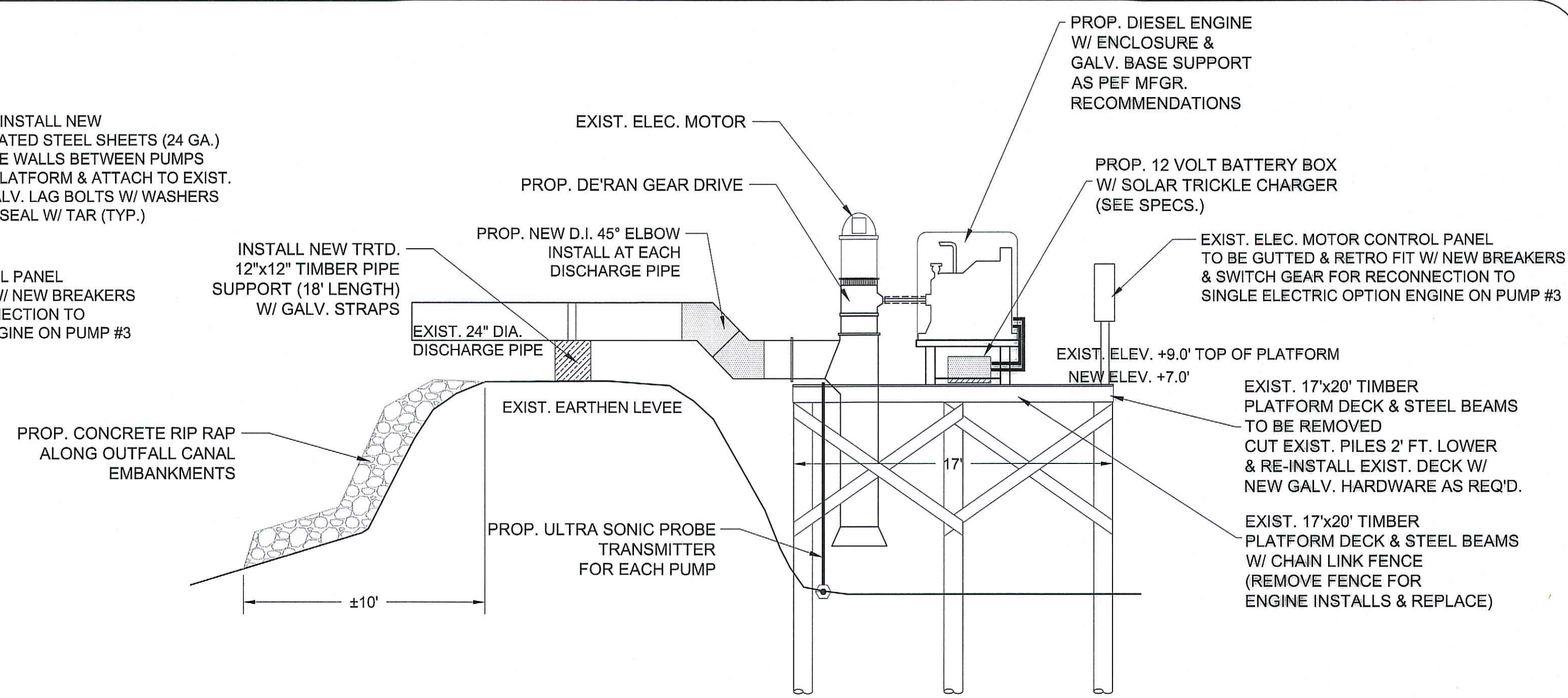
BAR SCREEN DETAIL (TYP.)

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



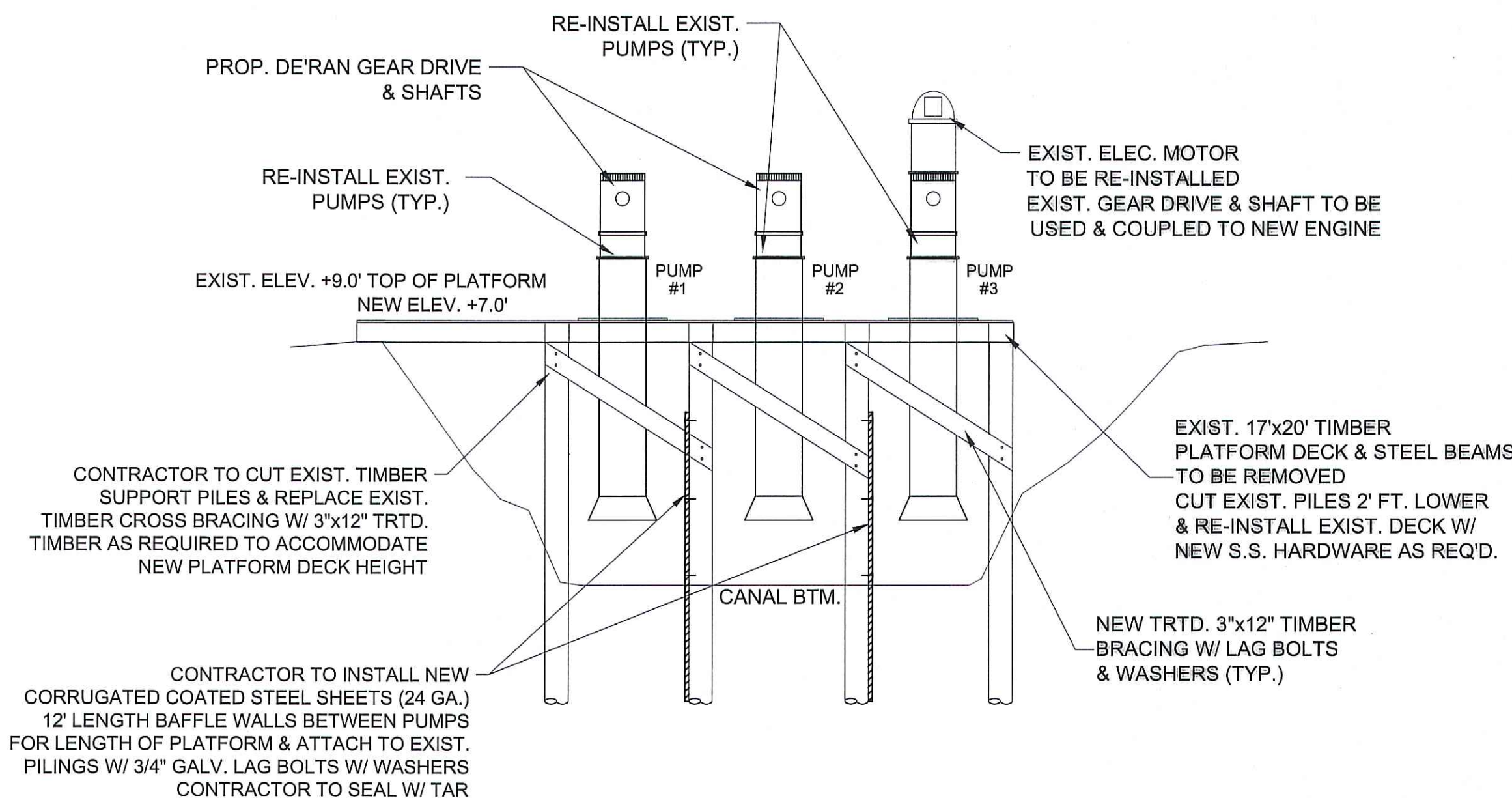
PROPOSED PUMP & PLATFORM PLAN VIEW

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



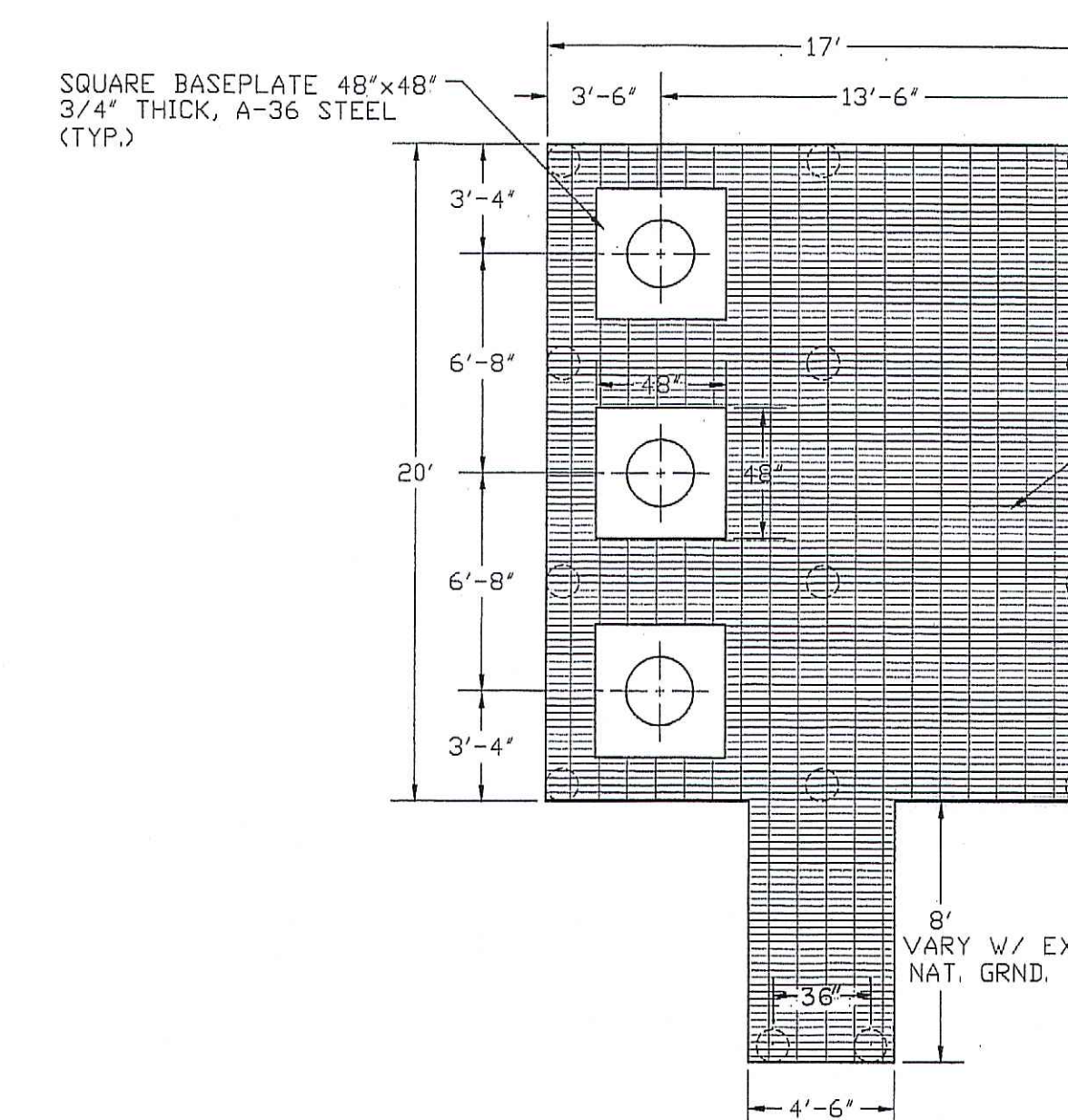
PROPOSED PUMP & PLATFORM PROFILE VIEW #1

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



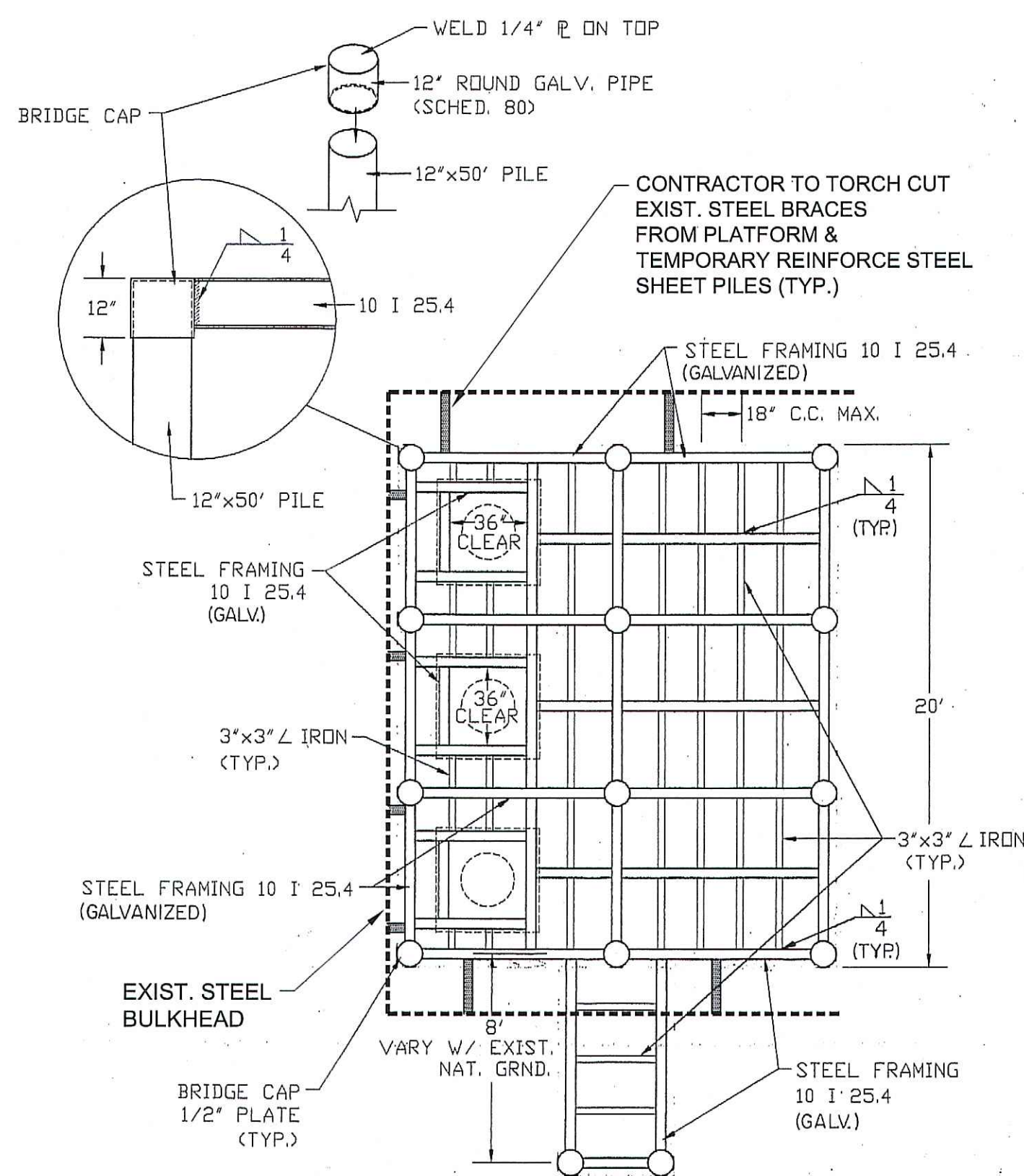
PROPOSED PUMP & PLATFORM PROFILE VIEW #2

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



EXISTING PLATFORM GRATING DETAIL

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



EXISTING PLATFORM FRAMING DETAIL

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

ENGINE, GEAR DRIVE & SHAFT DATA

JCB 4.4L ECOMAX - 446TCAE-97 - 130HP @ 2200 RPM (112HP @ 1800 RPM) - Stationary Emergency Standby Labeled - Industrial Diesel 4 Cylinder Turbo Charged, Charge Air Cooled Power Unit - Complete with: Common Rail Fuel System, Radiator, Radiator Grille Guard, Fan Guard, Hoses, Exhaust 90 Degree Tailpipe, Top Mounted Air Cleaner, Engine Support Legs, Welded Steel Skid with Battery Tray, Vibration Isolators, LCD Control Panel with Key Switch & Throttle Controls, Safety Shutdown System, Oil & Fuel Filters with 500 Hour Service Intervals, 12 Volt Electrics, 95 Amp Alternator, Electric Fuel Priming Pump, Battery Cables, SAE 3 Rear Housing / 11.5" Flywheel, (2) Auxiliary Gear Case PTO Locations, Owner's Manual, and Shop Tested.

**No Aftertreatment!*
-WP1 PTO SAE 3/11.5" PILOTLESS Single Plate
-TEC-10 Auto Start Panel
-Group 31 battery
-Battery Box
-25 Watt Solar Panel
-Custom Welded Skid
-Powder Coated Steel Enclosure
-Muffler with Rain Cap

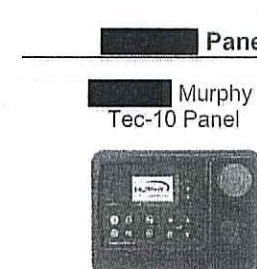
De'aran Gear Drive - M200P - Figure 1 Rotation, 2:1 Ratio

Ameridrives 61 Series Vibradamp Drive Shaft - 36" Long Rubber Vibration-Dampening drive shaft with companion flanges, Bolts, and Guard.

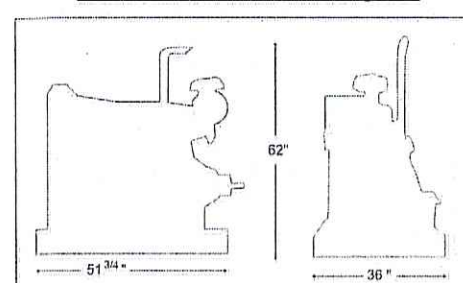
**ENGINE, GEAR DRIVE & SHAFT DATA
SUPPLIED BY : M&L ENGINE, LLC
2845 HWY. 311, SCHRIEVER, LA 70395
OR PRIOR APPROVED BY ENGINEER**

Engine Specifications

Manufacturer	JCB
Engine Model	444TCAE-97
EPA Tier	Stationary Emergency Standby
Cylinder Arrangement	4 in-line 4 cycle
Rated RPM	2200
Horse Power at Rated RPM (bhp)	130
Governor Type	Electronic
Frequency Regulation	0.25%
Air Cleaner	Replaceable Element
Lubrication System:	
Oil Capacity with filter, qt.	15.8
Oil Filter Type	Single, Vertical -LHS
Fuel System:	
Fuel Shutoff Solenoid	Electric
Fuel Pump	Electric
Fuel Pump Priming	Electric
Fuel Line Supply	5/16
Fuel Line Return	5/16
Cooling System:	
Engine & Radiator Coolant Capacity, qt	21
Fan Type	22" Pusher
Approx. Fuel Consumption 2200rpm, (GPH):	
100% Load	4.55
75% Load	3.41
50% Load	2.28



Dimensions and Weights



Open Power Unit Weight : 1,745 lbs.

C.J. SAVOIE
CONSULTING ENGINEERS, L.L.C.



MARAIS AREA
DRAINAGE IMPROVEMENTS

DRAINAGE PUMP PLAN & DETAILS

ASSUMPTION PARISH POLICE JURY

DRAWN BY: B.M.

REVISED:

APPROVED BY:

JOB #: S-14-235A

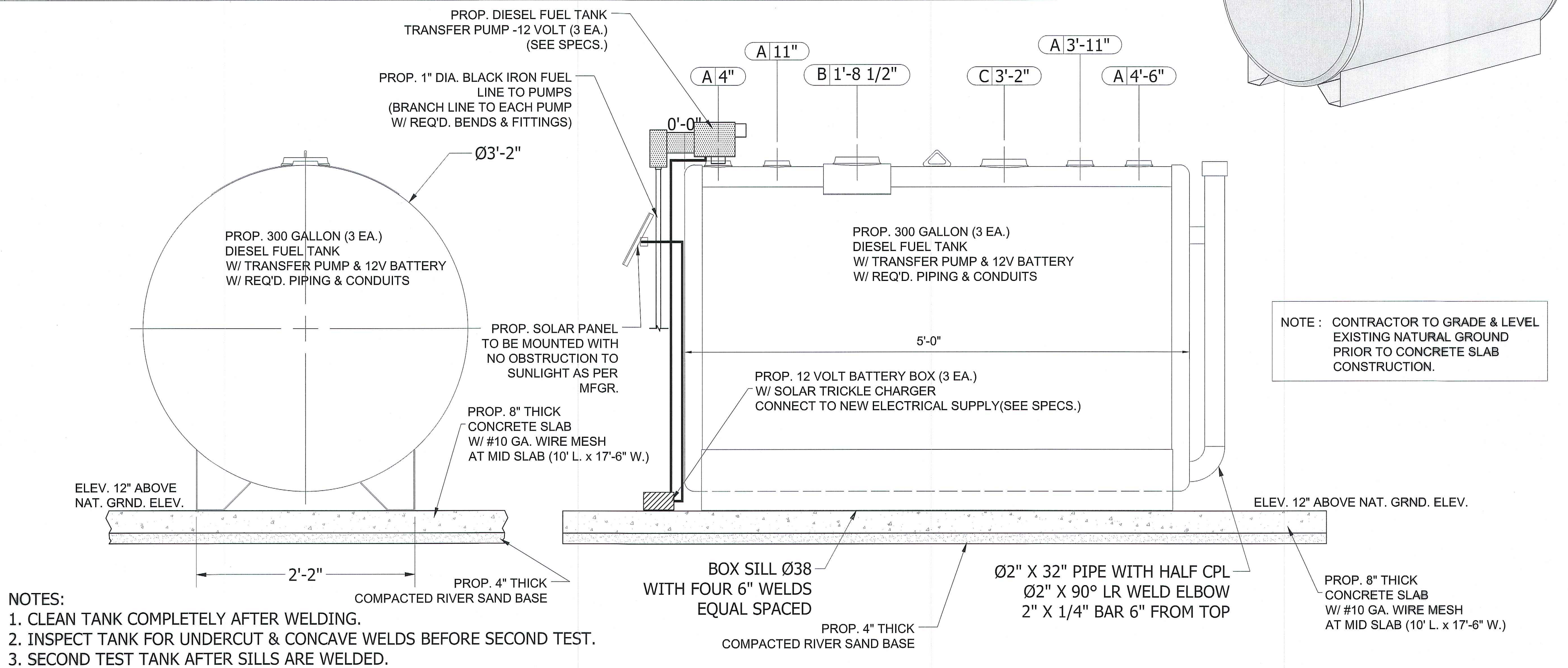
DATE: JAN., 2026

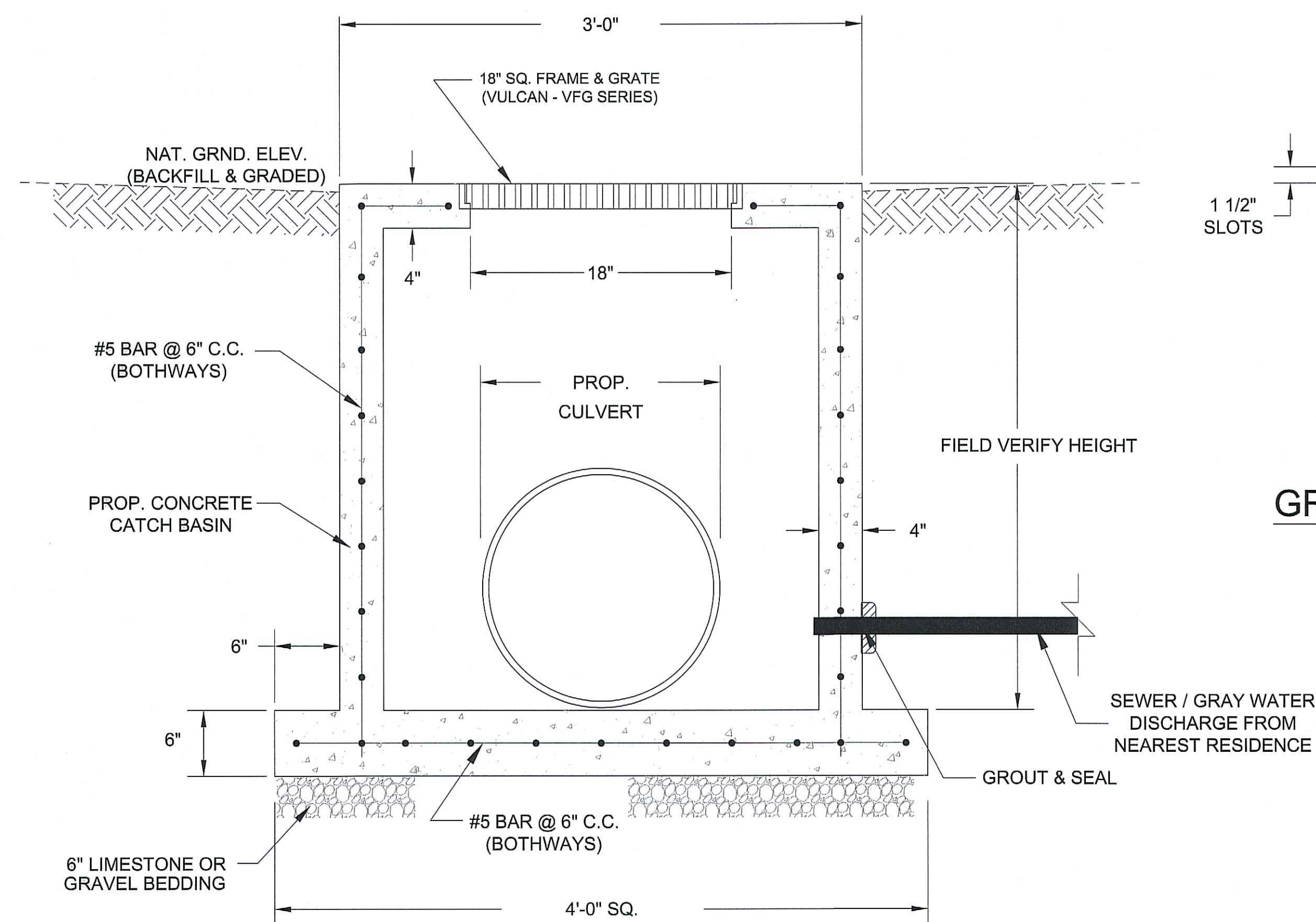
SCALE: 3/16" = 1'-0"

SHEET NUMBER

C.12

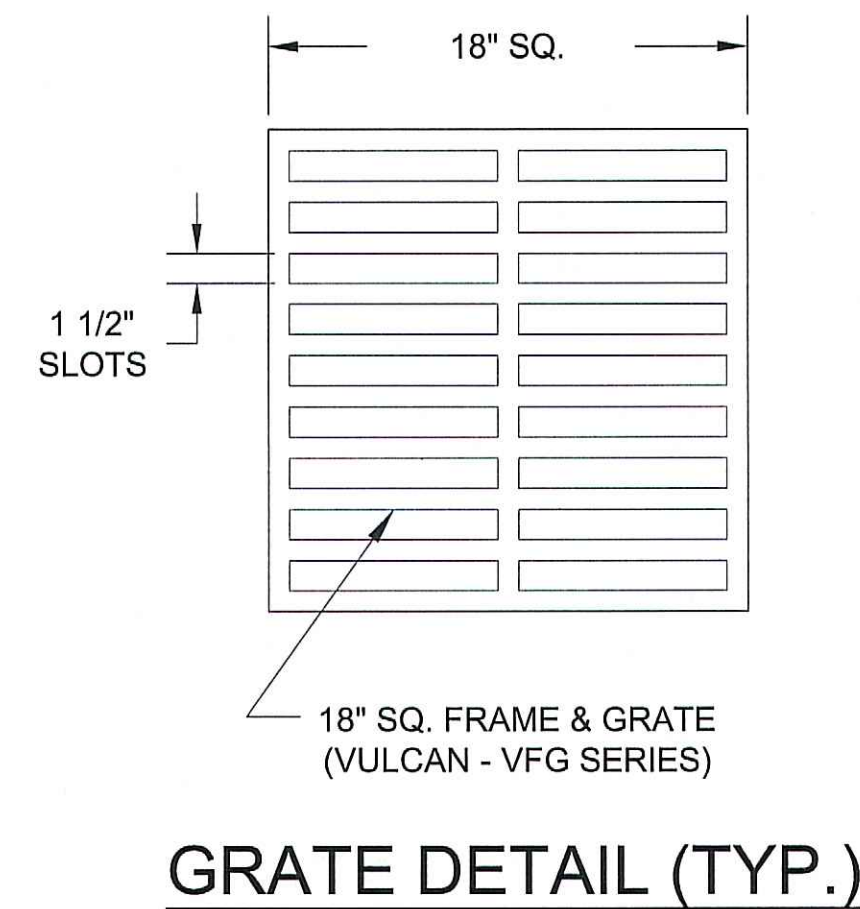
NOZZLE SCHEDULE						NOTES
ITEM	QTY.	ITEM CODE	SIZE	TYPE	CLASS	
A	4	TF2CURVED	2"	FEMALE NPT	THRD. FLANGE	INTERSTITIAL EMERGENCY VENT PRIMARY EMERGENCY VENT
B	1	TF4CURVED	4"	FEMALE NPT	THRD. FLANGE	
C	1	TF4CURVED	4"	FEMALE NPT	THRD. FLANGE	
D	1	LIFTLUG2-900SM	SMALL	LIFT LUG	6,800# EACH	



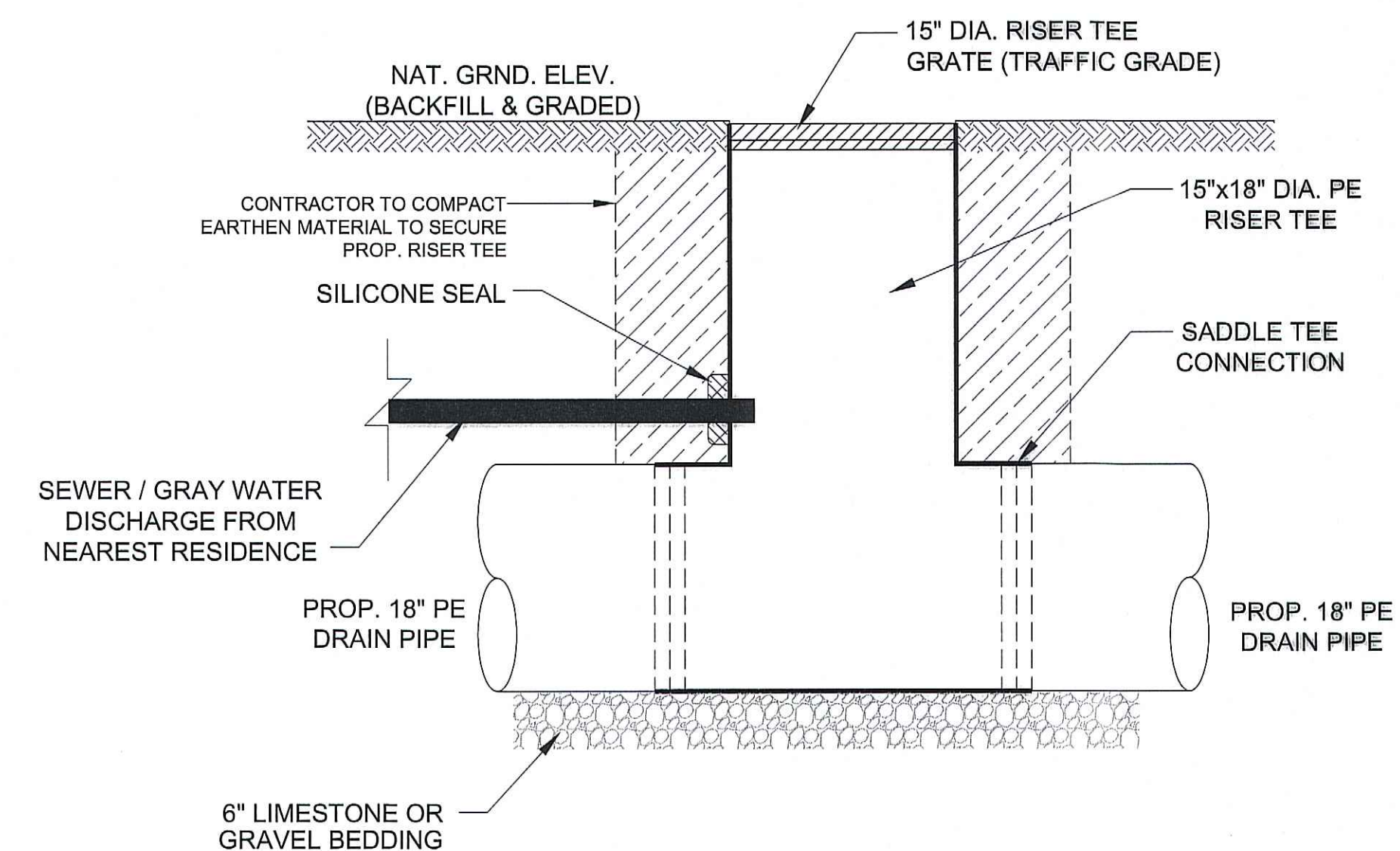


CATCH BASIN DETAILS

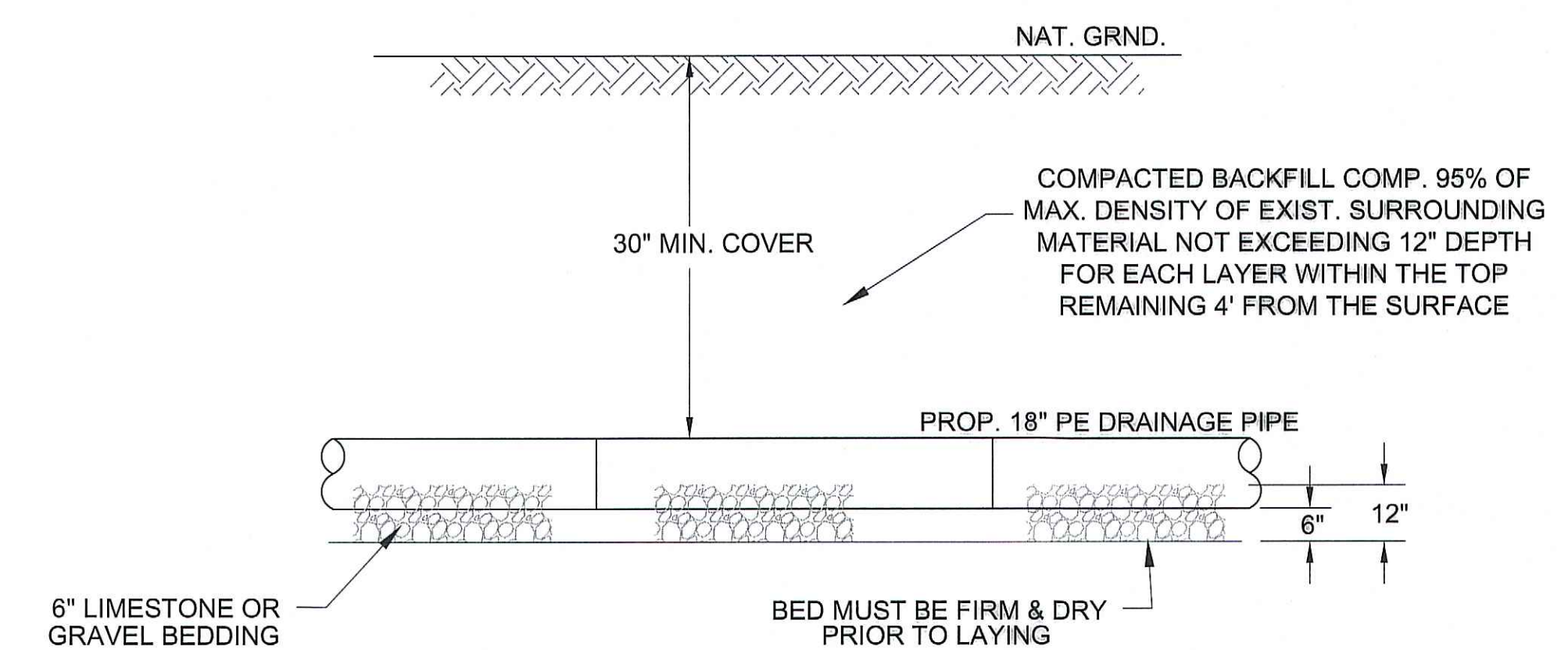
NOTE: PRE FAB CONCRETE BASIN BOXES ARE ACCEPTABLE IF APPROVED BY ENGINEER.



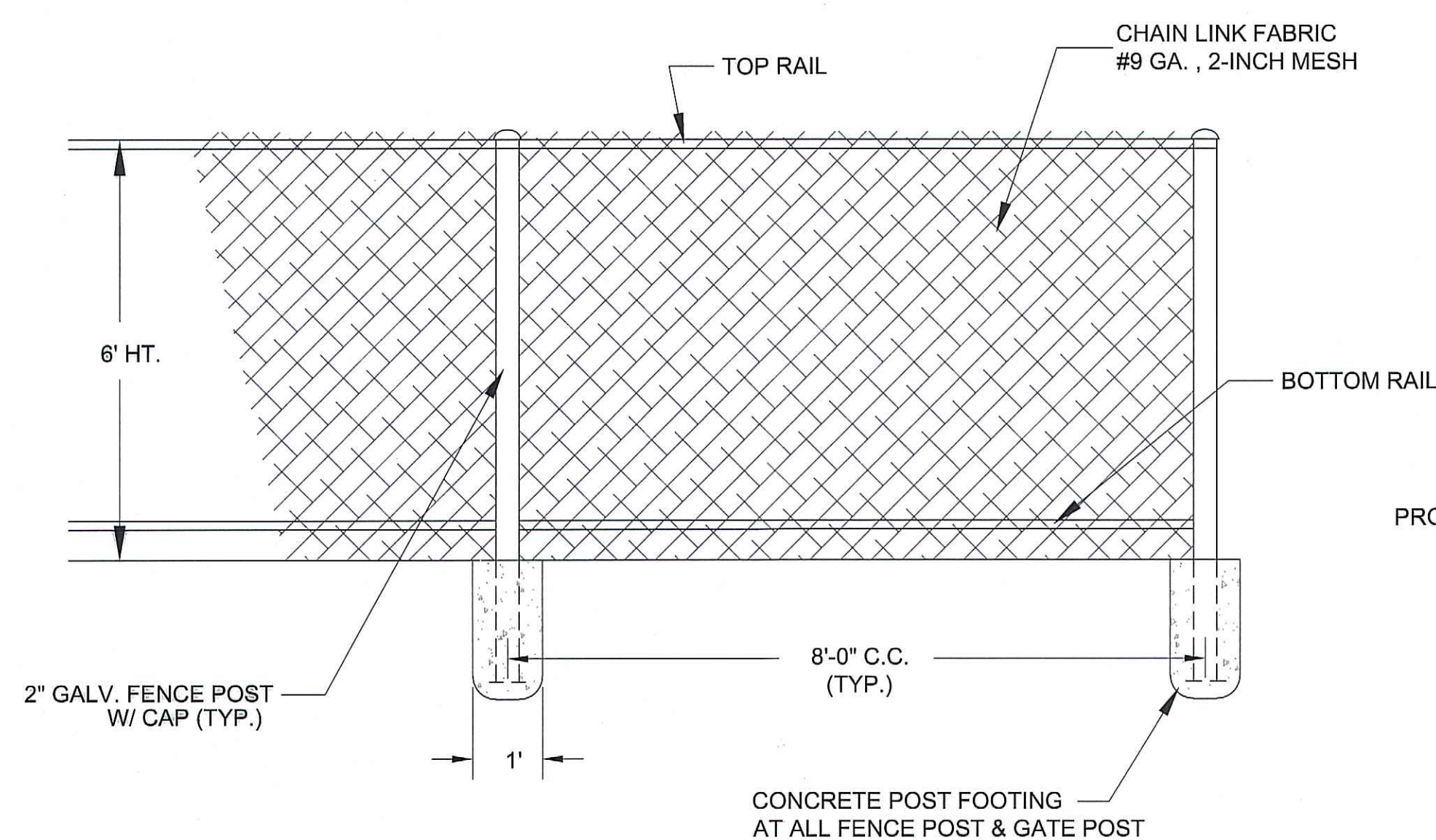
GRATE DETAIL (TYP.)



15" DIA. RISER TEE DETAIL (TYP.)

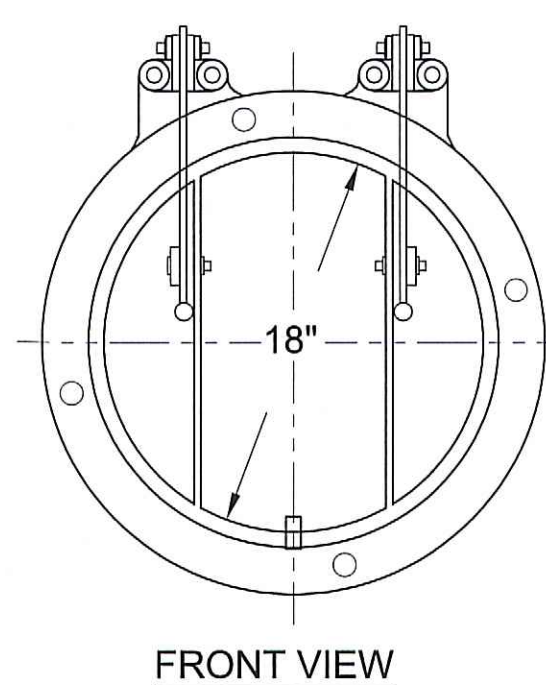


PIPE LAYING DETAIL (TYP.)

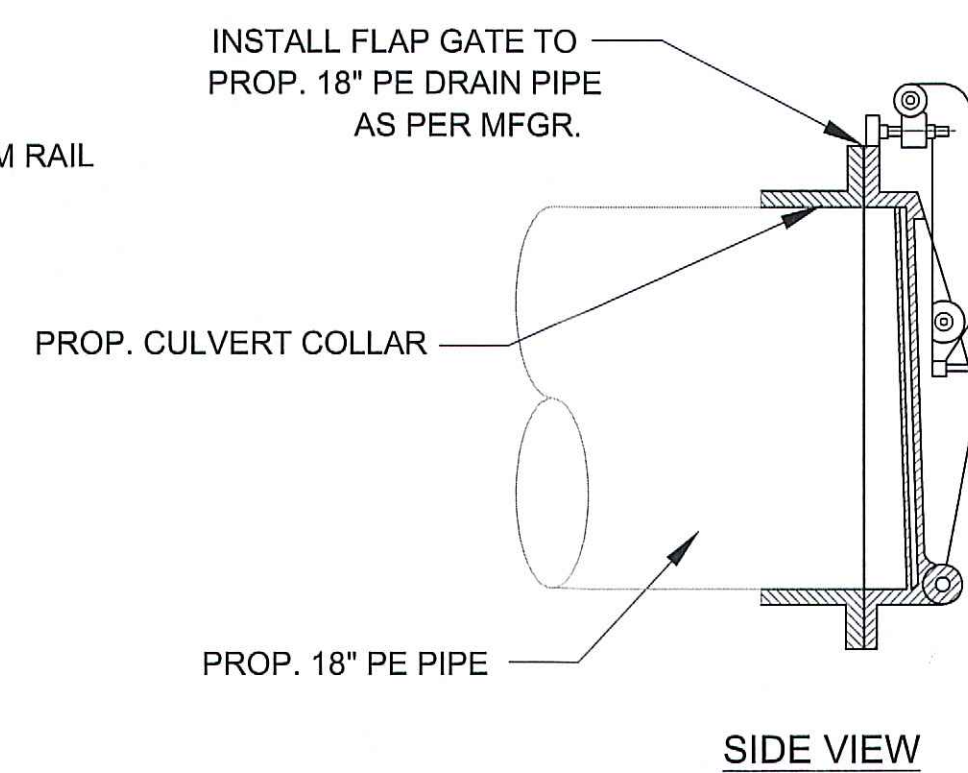


DIESEL TANK FENCE DETAIL

N.T.S.



FRONT VIEW

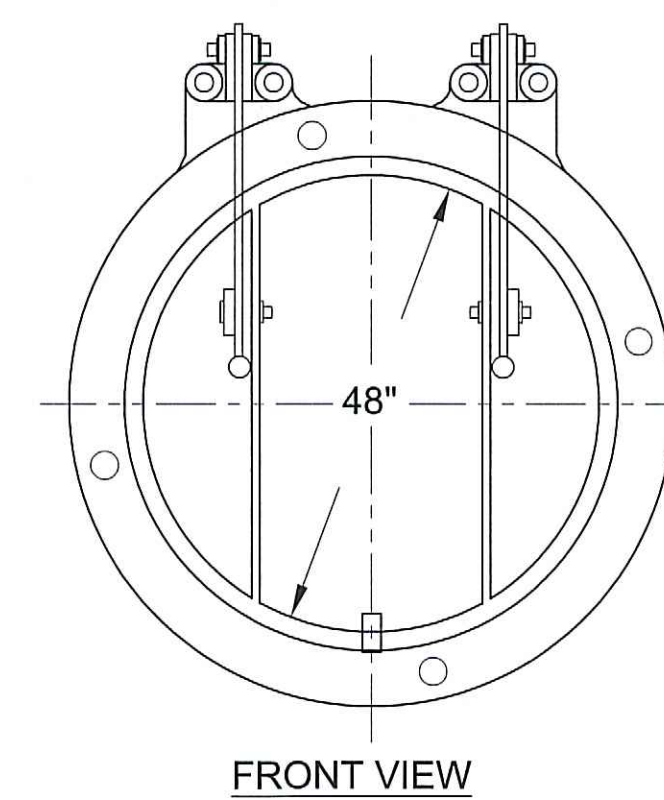


SIDE VIEW

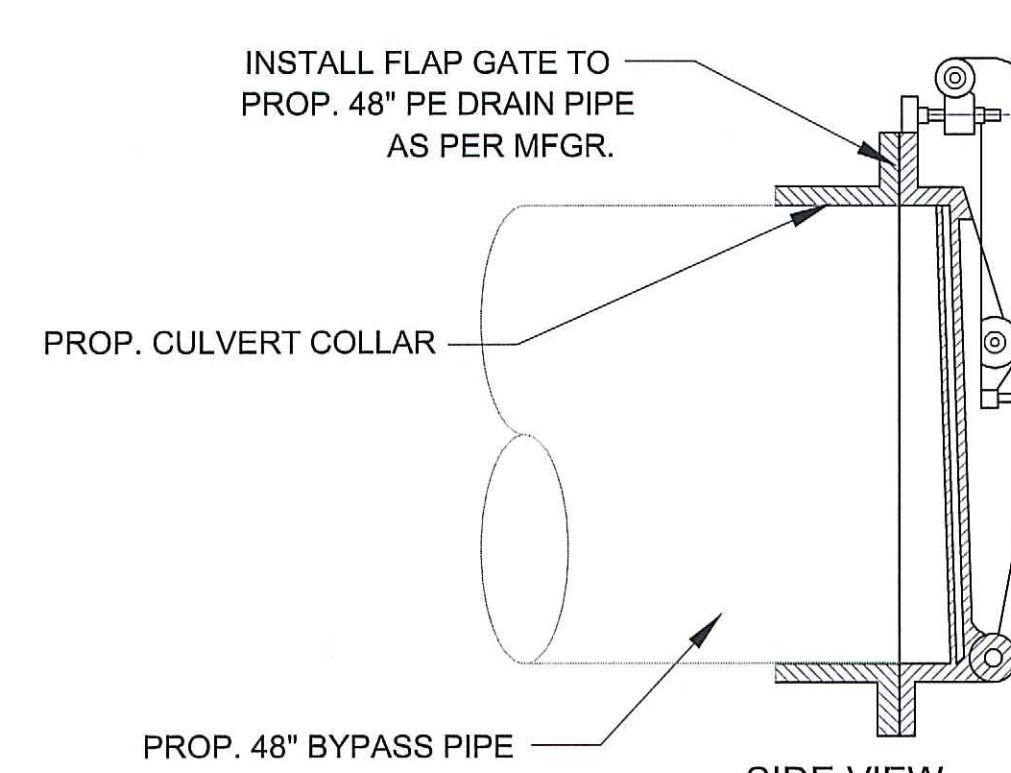
FLAP GATE DETAIL (TYP.)

N.T.S.

FLAP GATE (1 EA.) : HEAVY GAUGE ALUMINUM, CAST IN ONE PIECE COVER, W/ CULVERT COLLAR FOR 18" DRAINAGE PIPE MUELLER, WATERMAN OR AN APPROVED EQUAL



FRONT VIEW

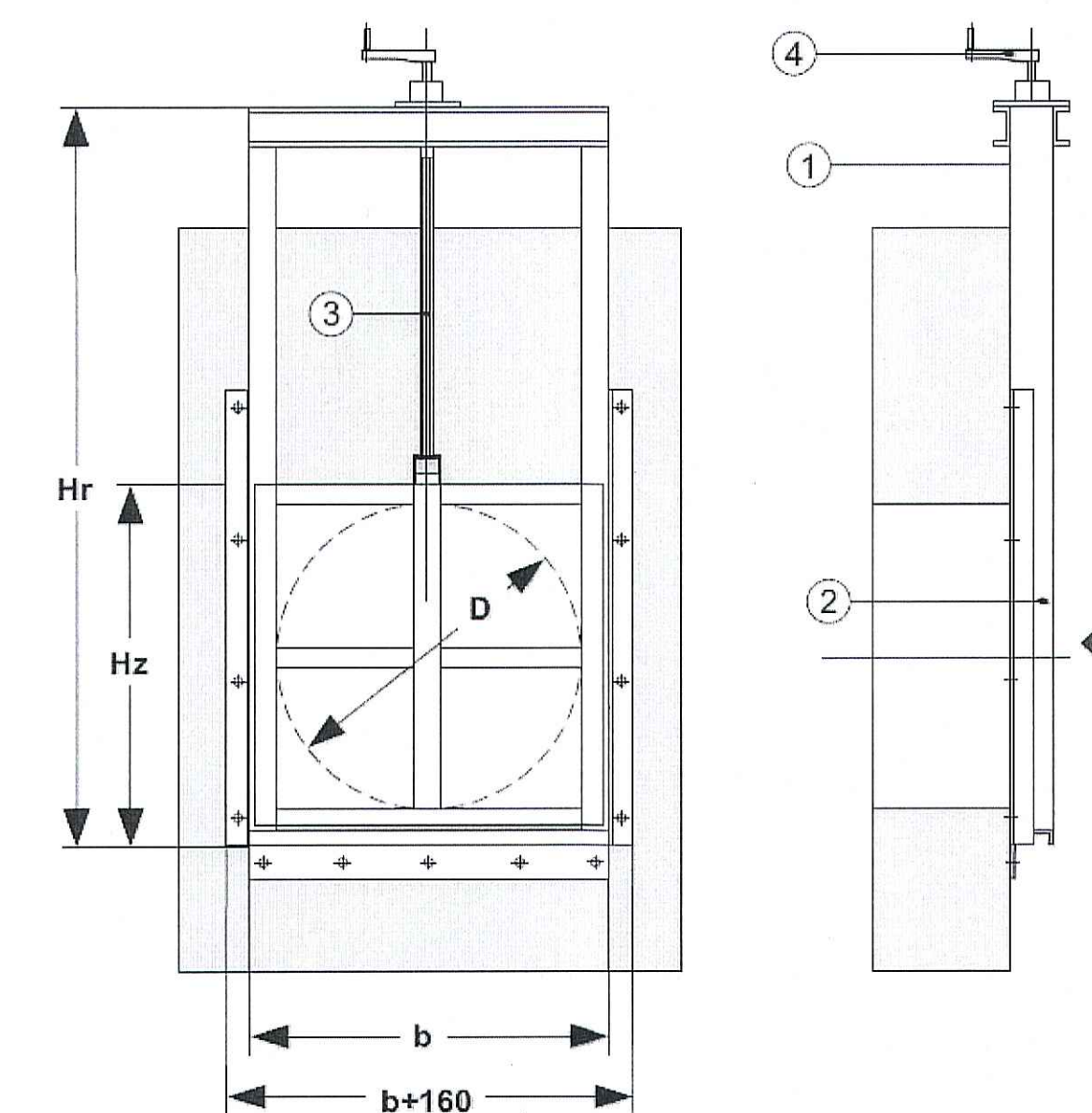


SIDE VIEW

FLAP GATE DETAIL (TYP.)

N.T.S.

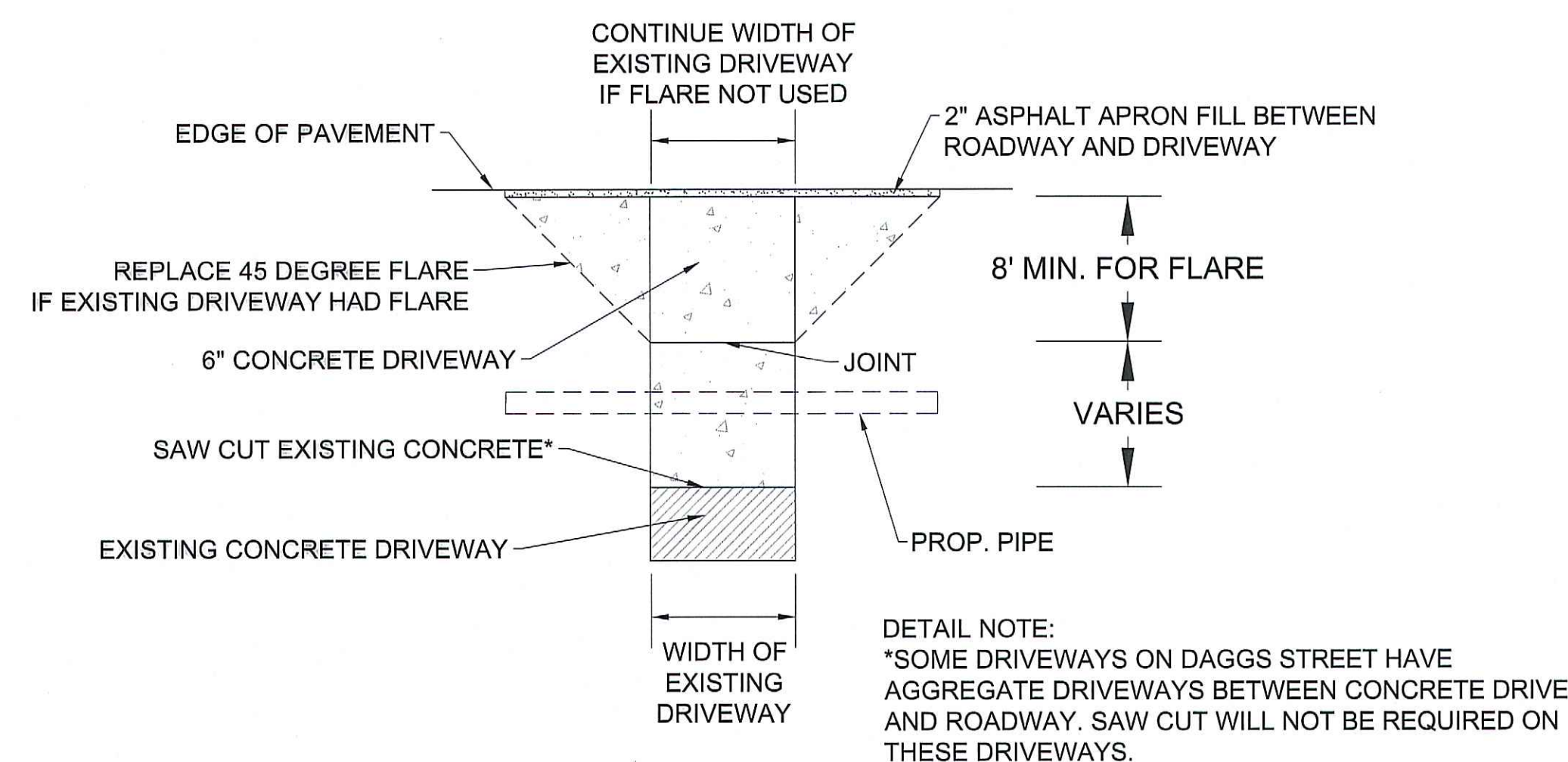
FLAP GATE (2 EA.) : HEAVY GAUGE ALUMINUM, CAST IN ONE PIECE COVER, W/ CULVERT COLLAR FOR 48" DRAINAGE PIPE MUELLER, WATERMAN OR AN APPROVED EQUAL



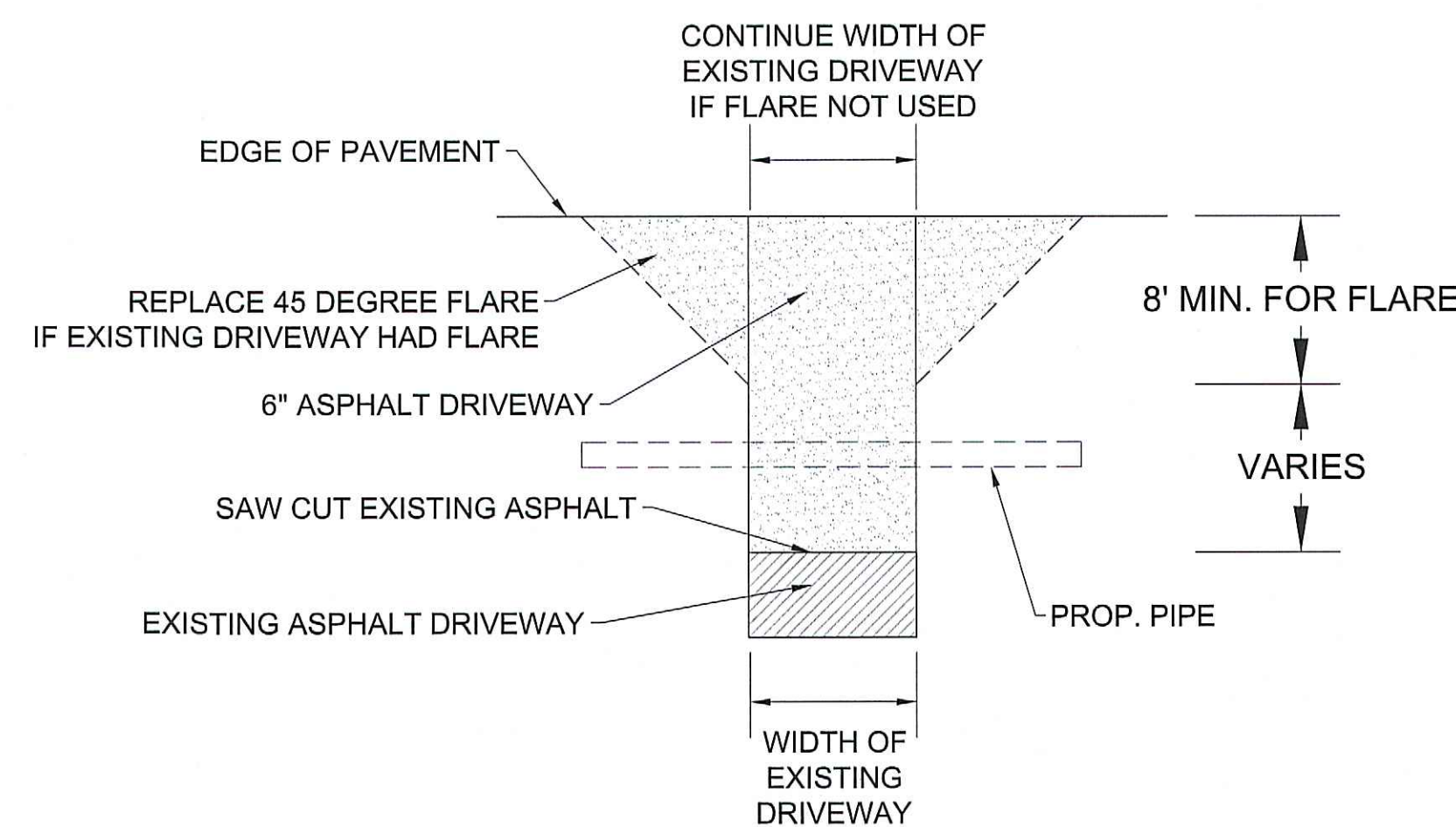
CONTROL SLUICE GATE DETAIL (TYP.)

N.T.S.

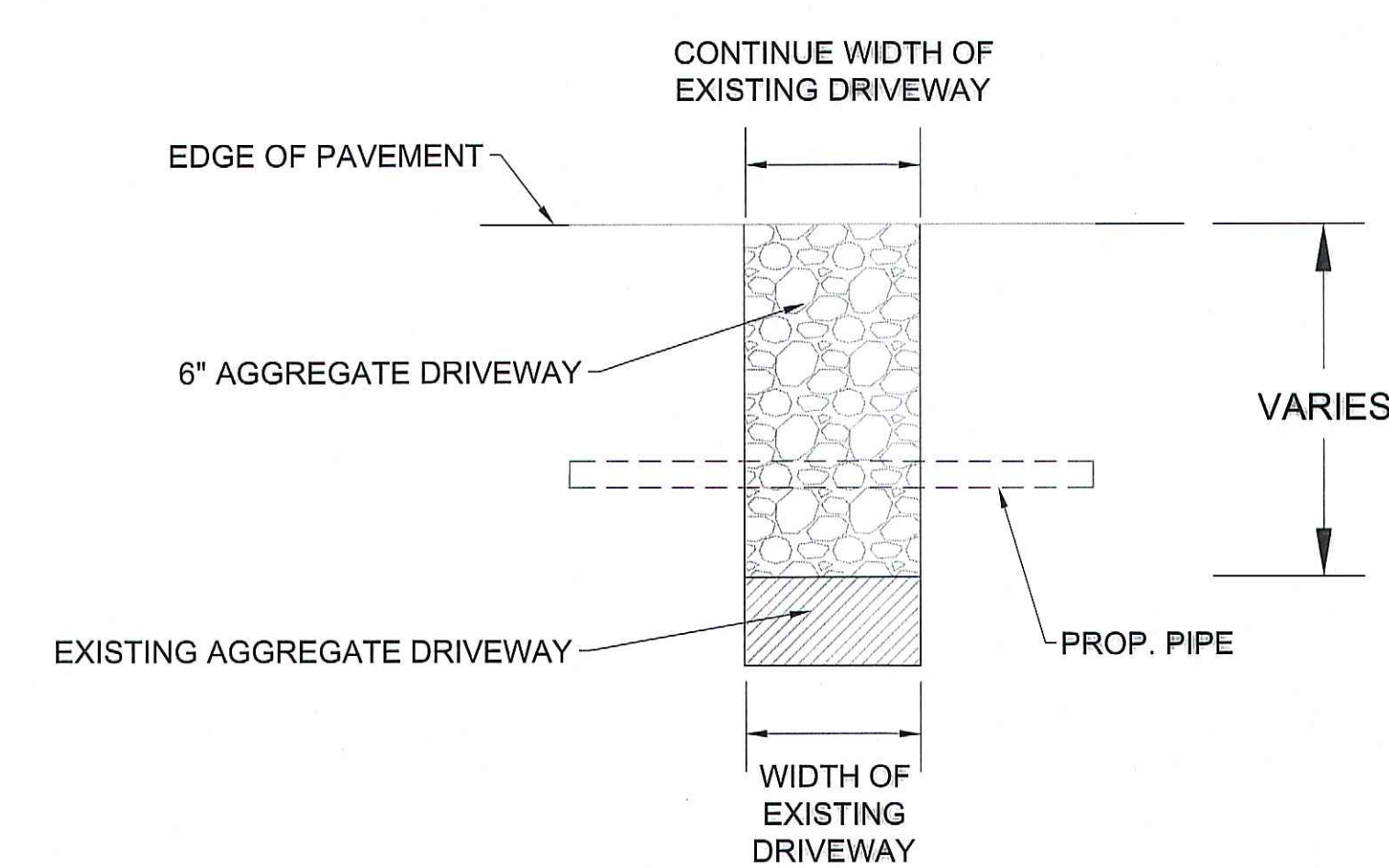
SLUICE GATE (2 EA.) : STAINLESS STEEL, MANUAL OPERATED, W/ CULVERT COLLAR FOR 48" DRAINAGE PIPE BIOCENT - MODEL # : BZN-1100/1220/2650/R OR APPROVED EQUAL



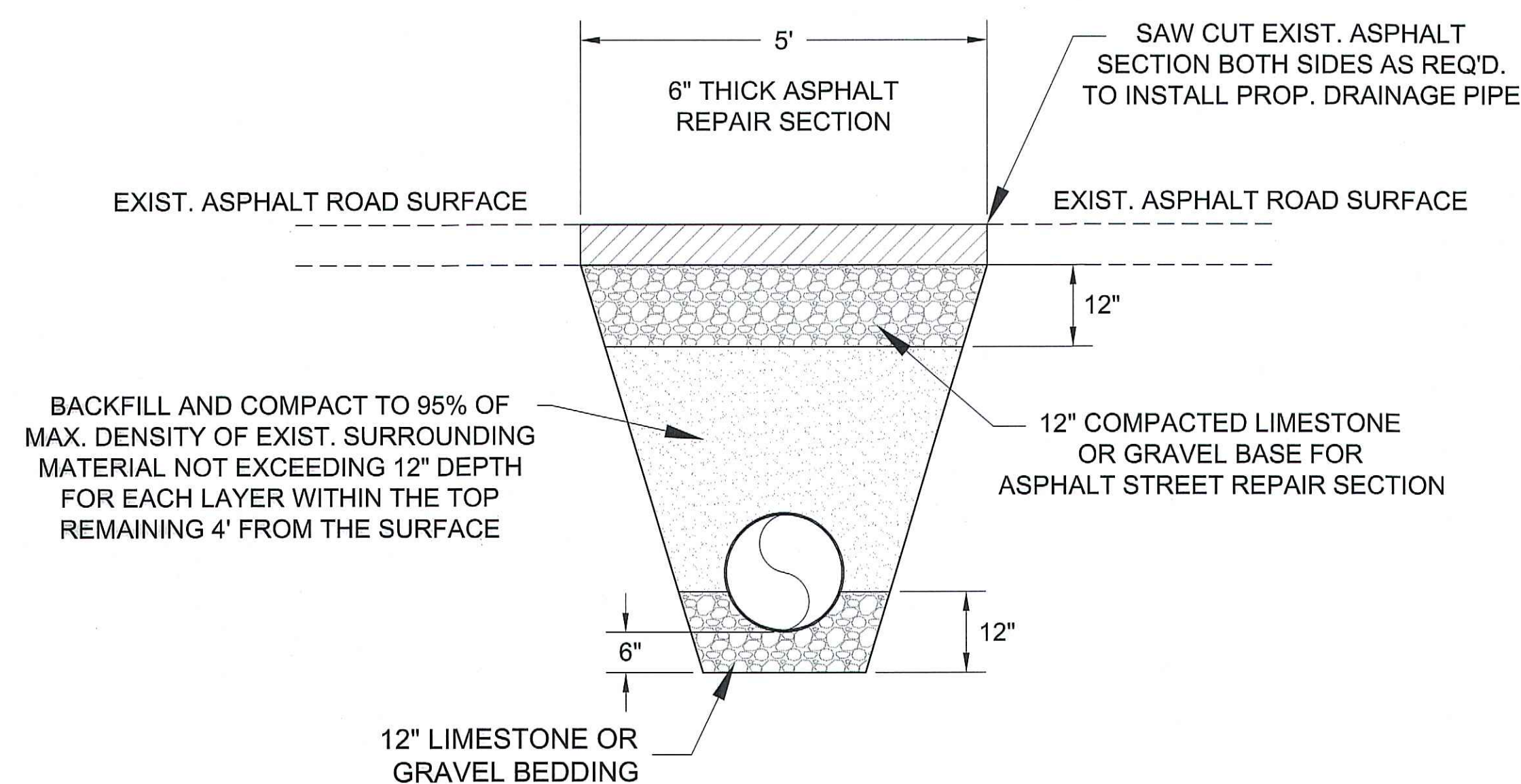
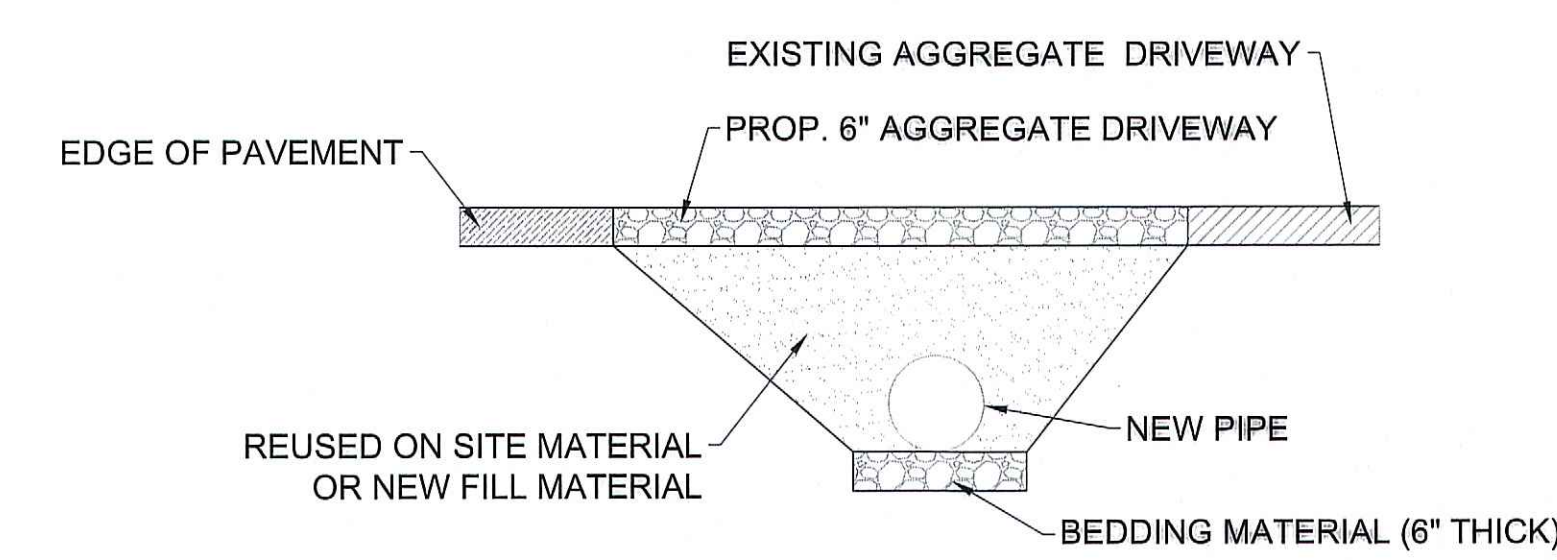
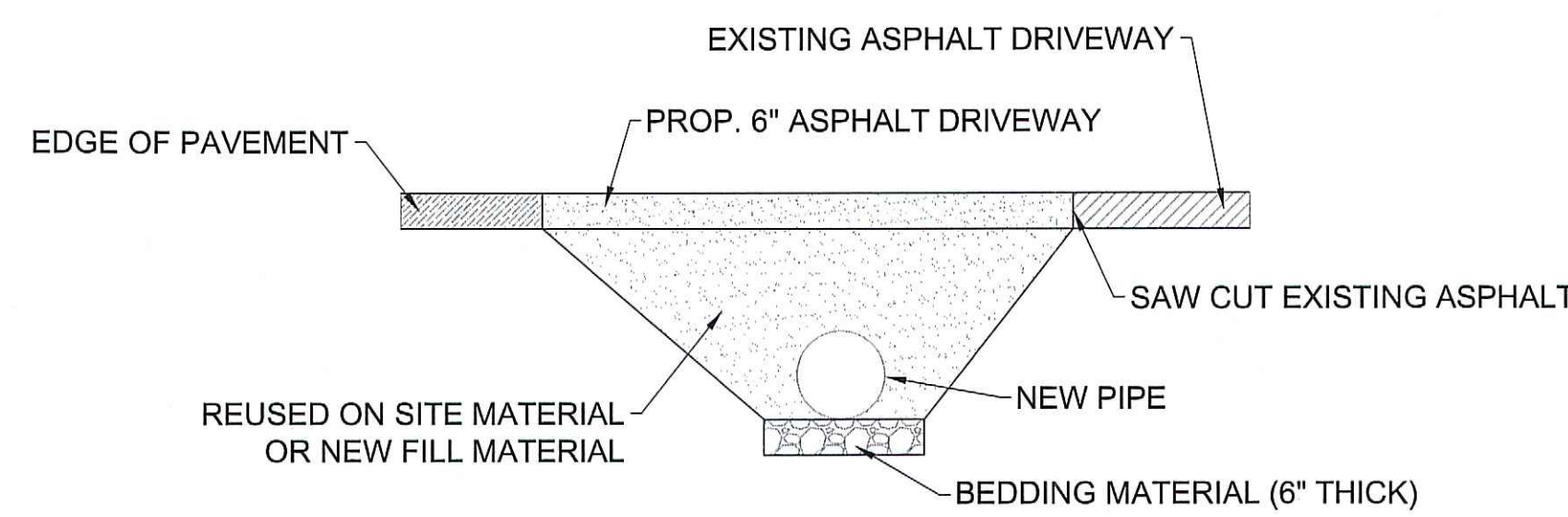
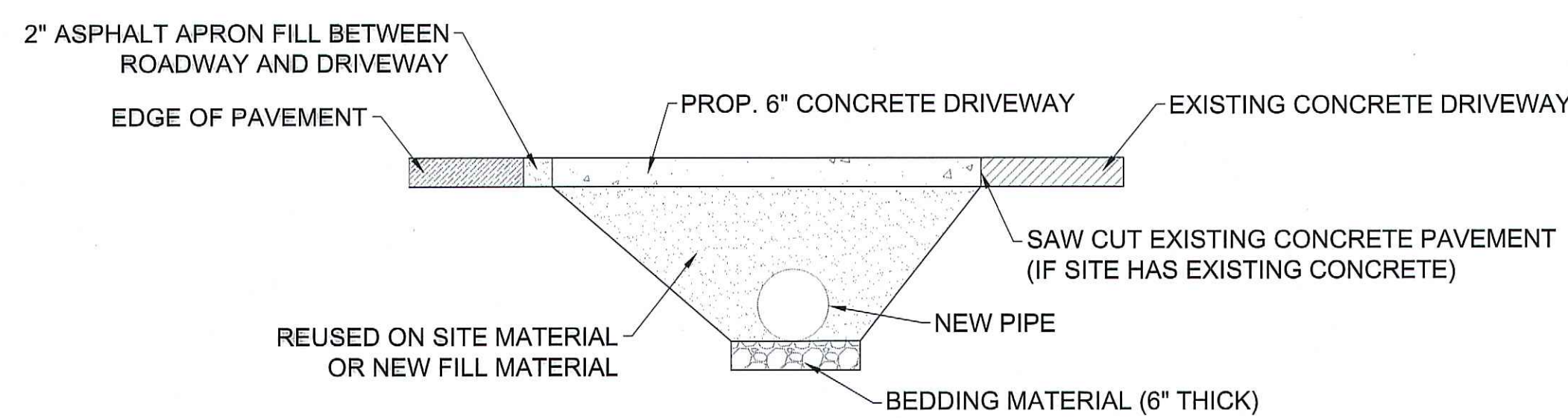
CONCRETE DRIVEWAY DETAIL



ASPHALT DRIVEWAY DETAIL

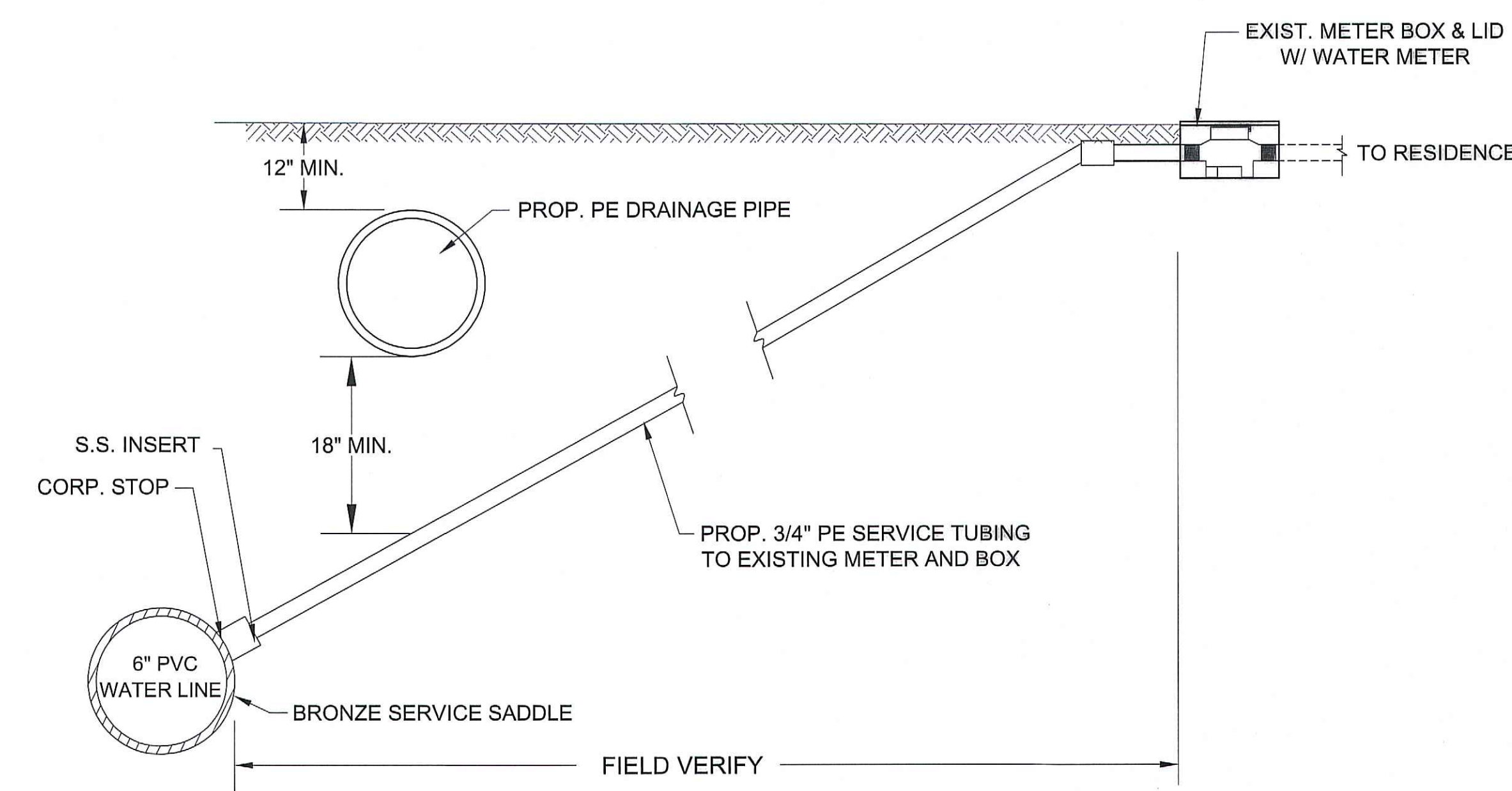


AGGREGATE DRIVEWAY DETAIL



ASPHALT STREET DETAIL

GENERAL NOTE:
-BEDDING MATERIAL SHALL EXTEND 18" ON ALL SIDES OF DRAINAGE STRUCTURES.



WATER SERVICE RELOCATION DETAIL
(WHERE APPLICABLE)