

### LAFOURCHE PARISH FIRE DISTRICT NO. 3

BOARD MEMBERS
DEVIN DEDON - Fire Chief

**REGGIE PITRE - Chairman** 

AARON MONTEZ - Member

**DEAN SAVOIE - Member** 

**MORRIS GUIDRY - Member** 

**TROY DUFRENE - Member** 

GENERAL NOTES AND QUANTITIES  O3 VICINITY MAP  O4 ACCESS PLAN  O5 EXISTING SITE PLAN (OVERALL)  O6 EXISTING SITE PLAN  O7 EXISTING SITE PLAN  O8 EXISTING SITE PLAN  O9 BUILDING LOCATION AND CONCRETE PLAN  10 TIMBER PILE PLAN AND SCHEDULE  11 CONCRETE AND EMBEDMENT TYPICAL SECTIONS  12 BUILDING FLOOR PLAN  13 BUILDING ELEVATIONS  14 ELECTRICAL PLAN  15 ELECTRICAL PLAN  16 SECURITY FENCING LAYOUT  17 SECURITY FENCING LAYOUT  18 POST-STORM PHOTOS OF SECURITY FENCING  19 WATER LINE PLAN  20 WATER LINE PLAN  21 WATER LINE PLAN  1 OF 2 LAFOURCHE PARISH WATER LINE STANDARD DETAILS	1	SHEET LIST TABLE		
O2 GENERAL NOTES AND QUANTITIES  O3 VICINITY MAP  O4 ACCESS PLAN  O5 EXISTING SITE PLAN (OVERALL)  O6 EXISTING SITE PLAN  O7 EXISTING SITE PLAN  O8 EXISTING SITE PLAN  O9 BUILDING LOCATION AND CONCRETE PLAN  10 TIMBER PILE PLAN AND SCHEDULE  11 CONCRETE AND EMBEDMENT TYPICAL SECTIONS  12 BUILDING FLOOR PLAN  13 BUILDING ELEVATIONS  14 ELECTRICAL PLAN  15 ELECTRICAL PLAN  16 SECURITY FENCING LAYOUT  17 SECURITY FENCING LAYOUT  18 POST-STORM PHOTOS OF SECURITY FENCING  19 WATER LINE PLAN  20 WATER LINE PLAN  11 OF 2 LAFOURCHE PARISH WATER LINE STANDARD DETAILS	NUMBER	TITLE		
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	2 OF 2	LAFOURCHE PARISH WATER LINE STANDARD DETAILS		

### GIS CONSULTANTS:

KEVAN D. KEISER - PROJECT MANAGER
JOHN J. PLAISANCE - PROJECT ENGINEER
BRENTON M. HEBERT - PROJECT ENGINEER/DRAFTER

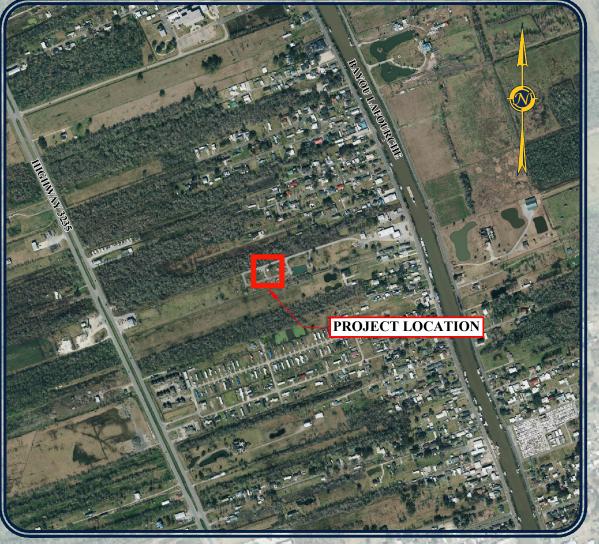
PROJECTION: LOUISIANA STATE PLAN (SOUTH ZONE)
GEO. DATUM: NAD83 / VERTICAL: NAVD88
GRID UNITS: US FEET

# LAFOURCHE PARISH FIRE DISTRICT NO. 3

## HURRICANE IDA DAMAGES RESTORATION FIRE CENTRAL TRAINING TOWER RESTORATION HURRICANE IDA RECOVERY ID: HIR-FCTT FEMA-DI NUMBER: 1209203

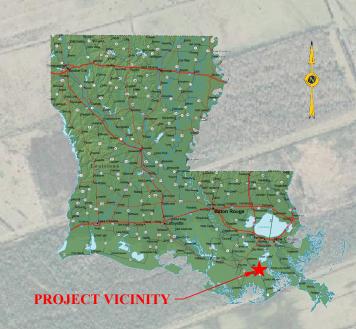
17462-C WEST MAIN STREET CUT OFF, LAFOURCHE PARISH, LOUISIANA LATITUDE: 29° 26' 58.70" N LONGITUDE: 90° 18' 32.41" W

**JANUARY 2025** 









VICINITY MAP
NOT TO SCALE

Approved:	Date:	
Lafourche Parish F		
BRENTON M. H. License No. 4 PROFESSIONAL EN IN COMPANY CONTROL		
Brenton M. Hebert,	PE	

BUILDING CODES: ASCE 7-16 IBC 2021 NFPA 101 - 2021

BUILDING DATA: RISK CATEGORY - I WIND SPEED - 143 MPH



THIS DRAWING HA BEEN REDUCED TO ONE HALF SIZE

01

Project Number: Prel. 39130-1360

Plot Date: January 21, 202

#### **GENERAL NOTES:**

- 1. THE LOCATION OF ALL UNDERGROUND UTILITIES SHOWN ON THE PLANS IS APPROXIMATE ONLY. CONTRACTOR SHALL BE CHARGED WITH THE RESPONSIBILITY OF PHYSICALLY VERIFYING THE EXACT LOCATION, DEPTH OR HEIGHT OF ALL UNDERGROUND AND OVERHEAD UTILITIES. THE CONTRACTOR SHALL CONTACT LOUISIANA ONE CALL AND/OR THE APPROPRIATE UTILITY COMPANIES FOR THE LOCATION OF UNDERGROUND AND/OR OVERHEAD SERVICES A MINIMUM OF 48 HOURS PRIOR TO BECKNING OF ANY CONSETULATION OF THE PERINDING OF ANY CONSETULATION ACTIVITIES.
- 2. THE CONTRACTOR IS WARNED THAT EXISTING OVERHEAD AND UNDERGROUND UTILITIES INCLUDING BUT NOT LIMITED TO ELECTRICAL LINES & POLES, DUCTS, CABLES, TELEPHONE CABLES, GAS LINES, WATER LINES, AND SANITARY SEWER LINES MAY EXIST IN THE GENERAL AREA AND/OR RIGHTS OF WAY WHERE THE PROPOSED WORK IS TO BE CONSTRUCTED. THESE PLANS DO NOT WARRANT THE EXISTENCE OR NON-EXISTENCE OF UTILITIES OR CONFLICTS. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO IDENTIFY, TO LOCATE AND TO PROTECT ALL THE EXISTING UTILITIES IN THE FIELD AND TO TAKE NECESSARY PRECAUTIONS TO PREVENT ANY DAMAGE OR INTERRUPTION IN SERVICE TO ANY UTILITIES OR CONFLICTS LOCATED WITHIN THE PROJECT LIMITS. ANY DAMAGE TO EXISTING CAUSED BY THE EXECUTION OF THE WORK UNDER THIS CONTRACT SHALL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE. THE OWNER DOES NOT ASSUME OR IMPLY TO ANY LIABILITY FOR THE LOCATION, PROTECTION, AND/OR REPAIR OF EXISTING UTILITIES THAT MAY OCCUPY JOINT RIGHT-OF-WAY, THE WORK AREA, OR OTHERWISE CONFLICT WITH THE CONSTRUCTION OF THE WORK TO BE INSTALLED UNDER THIS CONTRACT.
- 3. WHEN UTILITY COMPANIES ARE RESPONSIBLE FOR ADJUSTMENTS OF THEIR INDIVIDUAL ITEMS (UTILITY POLES, GUY WIRES, FIRE HYDRANTS, ETC.), THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH THE VARIOUS UTILITY COMPANIES TO MEET THESE REQUIREMENTS.
- 4. CONTRACTOR SHALL COMPLY, AT NO ADDITIONAL COST TO THE OWNER OR TENANT, WITH ANY CONDITIONS OR REQUESTS PROVIDED BY THE UTILITY COMPANIES FOR ANY UTILITY CROSSINGS THAT MAY BE LOCATED WITHIN THE PROPOSED PROJECT AREA.
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE OWNER WITH PRECONSTRUCTION PHOTOGRAPHS OR VIDEOS OF ALL CONSTRUCTION AREAS PRIOR TO BEGINNING ANY WORK. ALL COSTS SHALL BE INCLUDED IN THE ITEM FOR MOBILIZATION.
- 6. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH (OSHA) REGULATIONS DURING THE PERFORMANCE OF THIS PROJECT. SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE ENGINEER AND THE OWNER ARE NOT RESPONSIBLE FOR SAFETY IN, ON, OR ABOUT THE PROJECT SITE, NOR FOR COMPLIANCE BY THE APPROPRIATE PARTY WITH ANY REGULATIONS RELATION THERETO.
- ALL WORK AROUND HIGH VOLTAGE POWER LINES SHALL BE IN ACCORDANCE WITH OSHA AND THE UTILITY OWNER REQUIREMENTS.
- PROJECT PLANS AND CONTRACT DOCUMENTS MAY SUBJECT TO OBSERVATION BY THE OWNER'S REPRESENTATIVES. CONTRACTOR SHALL HAVE ONE (1) SIGNED COPY OF PROJECT PLANS AND A COMPLETE SET OF CONTRACT DOCUMENTS ON THE JOB SITE AT ALL TIMES.
- 9. THE CONTRACTOR SHALL NOTIFY FIBER OPTICS AND GAS LINE COMPANIES SEVEN (7) WORKING DAYS PRIOR TO ANY CONSTRUCTION ACTIVITY IN THEIR AREA. EXTREME CAUTION SHALL BE USED IN AREAS WHERE FIBER OPTIC CABLE AND/OR GAS LINES ARE LOCATED ADJACENT TO CONSTRUCTION ACTIVITY.
- 10. THE CONTRACTOR SHALL OBTAIN AT HIS EXPENSE ALL PERMITS AND INSPECTIONS THAT ARE REQUIRED TO PERFORM THE WORK. PERMITS SHALL BE OBTAINED AND INSPECTIONS SCHEDULED A MINIMUM OF 48 HOURS IN ADVANCE OF CONSTRUCTION ACTIVITIES.
- 11. A PERMIT FOR DISCHARGES OF STORM WATER FROM CONSTRUCTION ACTIVITIES MAY BE REQUIRED FOR THIS PROJECT. PRIOR TO ANY CONSTRUCTION ACTIVITIES, THE OWNER SHALL BE PROVIDED WITH AN LDEQ APPROVED COPY OF THE CONTRACTOR'S STORM WATER MANAGEMENT PLAN AND PERMIT FOR THE PROJECT. IF REQUIRED.
- 12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING AND SUBMITTING A TRAFFIC CONTROL PLAN TO THE OWNER AND ENGINEER FOR REVIEW AND APPROVAL PRIOR TO ANY PRE-CONSTRUCTION MEETING, IF REQUIRED.
- 13. THE CONTRACTOR SHALL IMMEDIATELY REPAIR ALL DAMAGE TO ANY FACILITY, EQUIPMENT, CABLE, WIRE, PAVEMENT, ACCESS ROAD, OR OTHER STRUCTURE CAUSED BY HIS OPERATION WITH ACCEPTABLE SUITABLE MATERIALS, TO ORIGINAL (PRE-CONSTRUCTION) OR BETTER CONDITION AND TO THE SATISFACTION OF THE ENGINEER, AT NO COST TO THE OWNER.
- 14. ACCESS TO ALL EXISTING DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES.
- 15. OBSERVATIONS OF THE WORK IN PROGRESS AND/OR FIELD TESTING PERFORMED BY THE OWNER OR ENGINEER SHALL IN NO WAY EXCUSE THE CONTRACTOR FOR DEFECTS DISCOVERED IN HIS WORK.
- 16. THE CONTRACTOR SHALL PROVIDE COPIES OF ALL TEST REPORTS AND INSPECTION RECORDS TO THE OWNER AND ENGINEER.
- 17. THE CONTRACTOR SHALL PROVIDE ALL SIGNS, BARRICADES, AND FLAGGING DURING THE PERFORMANCE OF THIS CONTRACT AS REQUIRED BY THE OWNER AT NO DIRECT PAY.
- 18. CONTRACTOR SHALL NOT SCALE DRAWINGS FOR CONSTRUCTION. ANY MISSING DIMENSIONS OR DISCREPANCIES IN PLANS, FIELD STAKING OR PHYSICAL FEATURES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER. IF CONTRACTOR PROCEEDS WITH THE WORK WITHOUT NOTIFYING THE ENGINEER, HE DOES SO AT HIS OWN RISK.
- 19. THE CONTRACTOR SHALL SUBMIT A PROJECT CONSTRUCTION SCHEDULE TO THE PROJECT ENGINEER FOR REVIEW AND APPROVAL BEFORE ANY CONSTRUCTION STARTS.
- 20. THE CONTRACTOR SHALL AT ALL TIMES KEEP A SEPARATE, FULL SET OF CONTRACT DRAWINGS MARKED UP FULLY TO INDICATE AS BUILT CONDITIONS. SAID DRAWINGS SHALL BE PROVIDED TO THE OWNER UPON COMPLETION OF THE WORK PRIOR TO FINAL ACCEPTANCE.
- 21. ALL EXISTING (TO REMAIN) STRUCTURES AND PHYSICAL FEATURES, INCLUDING BUT NOT LIMITED TO CONCRETE SLABS, FENCES, AGGREGATE SURFACING, SHRUBS, TREES, AND VEGETATION DISTURBED OR DAMAGED BY THE CONTRACTOR'S OPERATION SHALL BE REPLACED IN-KIND OR REPAIRED AT NO DIRECT PAY TO THE OWNER.

- 22. NO DIRECT PAY WILL BE MADE FOR ANY WORK RELATED TO THE MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES THAT ARE REQUIRED TO COMPLETE THE PROJECT IN ACCORDANCE WITH THE PROJECT PLANS AND SPECIFICATIONS.
- 23. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, EXISTING ELEVATIONS, AND CONDITIONS SHOWN THE PLANS PRIOR TO ORDERING ANY MATERIAL, COMMENCEMENT OF CONSTRUCTION, AND PREPARATION OF SHOP DRAWINGS. ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES FOUND.
- 24. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF EXISTING DRAINAGE PATTERNS THROUGHOUT THE DURATION OF THE PROJECT.
- 25. CONTRACTOR IS ENCOURAGED TO VISIT THE PROJECT SITE PRIOR TO CONSTRUCTION TO FAMILIARIZE HIMSELF WITH THE SITE CONDITIONS AND ANY STRUCTURE OR POTENTIAL OBSTRUCTIONS.
- CONTRACTOR SHALL CLEAN AND REMOVE ALL TRASH WITHIN PROJECT LIMITS PRIOR TO END OF CONTRACT.
- 27. CONTRACTOR SHALL KEEP ALL STATE AND FEDERAL HIGHWAYS CLEAN DURING CONSTRUCTION ACTIVITIES
- 28. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL EXISTING ROADS USED FOR ACCESS, HAULING, AND/OR OTHER CONSTRUCTION ACTIVITIES, TO ITS ORIGINAL CONDITION. IF ANY OF THESE EXISTING ROADS USED FOR ACCESS, HAULING, AND/OR OTHER CONSTRUCTION ACTIVITIES ARE DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR THEM TO ITS ORIGINAL (PRE—CONSTRUCTION) OR BETTER CONDITION, TO THE SATISFACTION OF THE ENGINEER, AT NO COST TO THE OWNER.
- 29. IT WILL THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT DAILY OPERATIONS AT EACH FACILITY WILL NOT BE INTERRUPTED NOR AFFECTED BY CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL COORDINATE EFFORTS AND KEEP IN CONSTANT COMMUNICATION WITH FIRE DEPARTMENT AS IT PERTAINS TO DAILY ACTIVITIES.
- 30. CONTRACTOR SHALL CONFIRM ALL LOCAL, STATE AND FEDERAL PERMITS REQUIRED FOR CONSTRUCTION, HAVE BEEN ISSUED AND SHALL COMPLY WITH ALL PERMIT CONDITIONS. CONTRACTO SHALL MAINTAIN A COPY OF ALL PERMITS ON SITE THROUGHOUT CONSTRUCTION OF THE PROJECT.
- 31. NOISE CONTROL CONTRACTOR SHALL TAKE REASONABLE MEASURES TO AVOID UNNECESSARY NOIS APPROPRIATE FOR THE AMBIENT SOUND LEVELS IN THE AREA DURING WORKING HOURS. ALL CONSTRUCTION MACHINERY & VEHICLES SHALL BE EQUIPPED WITH PRACTICAL SOUND MUFFLING DEVICES, AND OPERATED IN A MANNER TO CAUSE THE LEAST NOISE CONSISTENT WITH PERFORMANION THE WORK.

#### SURVEY CONTROL POINTS:

DESIGNATION — 60D NAIL
PID — N/A
STATE/COUNTY — LA/LAFOURCHE
COUNTRY — US

N: 347296.100 E: 3608183.826 EL. +2.116

DESIGNATION - 60D NAIL
PID - N/A
STATE/COUNTY - LA/LAFOURCHE
COUNTRY - US

N: 347310.934 E: 3608220.033 EL. +2.111

Item Numbe	ltem Description	Estimated Bid Quantity	Unit
1	General		
G-01	Mobilization & Demobilization	1	LS
G-02	Embankment Survey	1	LS
G-03	Traffic Maintenance Aggregate	100	CY
2	Training Tower Foundation		
TTF-01	Timber Piles (7" Tip, 12" Butt, 40' Length; Owner Supplied)	1,040	LF
TTF-02	Embankment Material (Owner Supplied; Must Be Placed, Compacted, and Tested; Includes all Labor, Equipment and Materials Needed)	240	CY
TTF-03	Aggregate Base Coarse (Limestone; 4" Thick)	57	SY
TTF-04	4,000 PSI Portland Cement Concrete Pavement (Building Slab; Includes Reinforcement Bars)	35	CY
TTF-05	6" Thick 4,000 PSI Portland Cement Concrete Pavement (Building Slab; Includes Wire Mesh)	192	SY
	Training Towar Puilding		
3	Training Tower Building		
TTB-01	Training Tower (Includes all Labor and Materials Required)	1	EA
4	Electrical		
E-01	Exterior LED Wall Pack with Photocell Terrain Lighting (Connected to Light Switch)	6	EA
E-02	One-Way Light Switches (Including Cover and Wall Box, For Exterior Lights)	6	EA
E-03	Install All Required Underground Conduit (Stub Outs at Power Pole to Meter Box)	1	EA
E-04	Install All Required Wiring for Lighting (Wire Required from Meter Box to Lights/Light Switches)	1	EA
E-05	Meter Pan	1	EA
E-06	Single Phase 120/208V Distribution Panel	1	EA
ALT-01	Secuirty Fencing (Alternate No. 1)		
SF-01	Repair/Stand Up North Security Fence (6' High)	1,750	LF
SF-02	Repair/Replace Southwest Security Fence (6' High)	250	LF
SF-03	Repair/Stand Up Southeast Security Fence (6' High)	350	LF
SF-04	10' Double Swing Gate (Includes all Labor and Materials Required)	1	EA
ALT-02	Water Line (Alternate No. 2)		
WLH-01	Water Line Installation for Hydrant (PVC) (Includes all Fitting and Excavation)	1,440	LF
AA FLI-OT	Fire Hydrant (Includes all Materials Needed for Proper Installation)	1	EA
WLH-02			



ENGINEERING LL
Coastal Design & Infrastructure

197 Elysian Drive Houma, Louisiana 70363 Phone: 985.219.1000

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	REVISIONS		
No.	Description	Date	
0	ISSUED FOR BID	01/2025	



THIS DRAWING HAS BEEN REDUCED TO ONE HALF SIZE

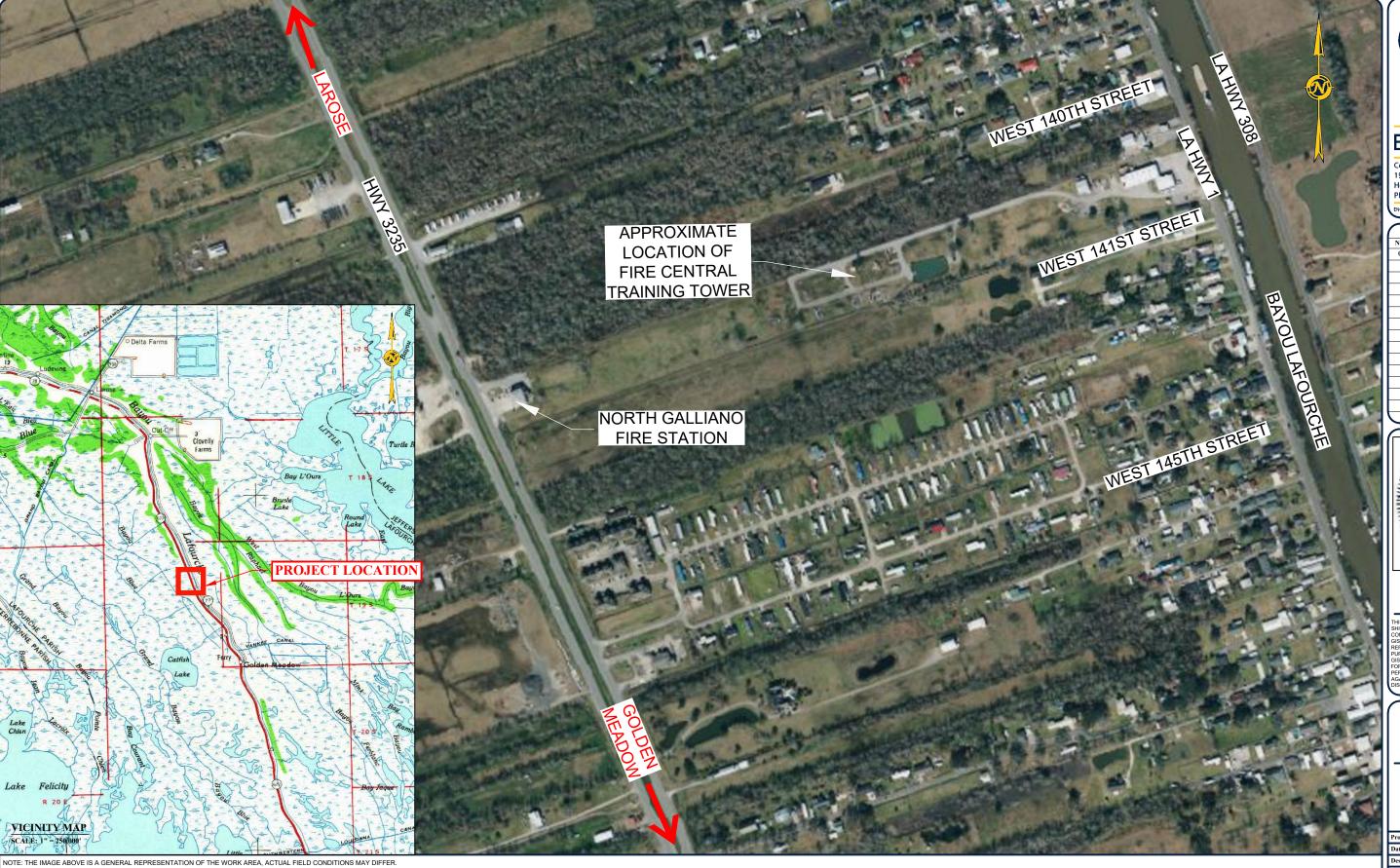
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LAFOURCHE PARISH FIRE DISTRICT NO. 3

FIRE CENTRAL TRAINING TOWER

GENERAL NOTES AND QUANTITIES

Project number	39130-1360
Date	JANUARY 2025
Designed by	ВМН
Drawn by	ВМН
Checked by	KDK
Checked by	JJP
Plot Date	January 21, 2025



VICINITY MAP
SCALE: 1" = 200'



### ENGINEERING LLC

Coastal Design & Infrastructure 197 Elysian Drive Houma, Louisiana 70363 Phone: 985.219.1000

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No.	Description	Date
0	ISSUED FOR BID	01/2025



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LAFOURCHE PARISH FIRE DISTRICT NO. 3

FIRE CENTRAL TRAINING TOWER

VICINITY MAP

Project number	39130-1360
Date	JANUARY 2025
Designed by	ВМН
Drawn by	ВМН
Checked by	KDK
Checked by	JJP
Plot Date	January 23, 2025



- NOTES:
  1. CONTRACTOR MUST UTILIZE THE LIMESTONE ROAD FOR ALL VEHICLE TRAFFIC NEEDED FOR COMPLETION OF SCOPE OF WORK.
  2. CONTRACTOR MUST ACCESS PROJECT SITE VIA LOUISIANA HIGHWAY 1. CONTRACTOR CAN NOT GET TO SITE FROM VIA THE NORTH GALLIANO FIRE STATION ON LOUISIANA HIGHWAY 3235.

ACCESS PLAN

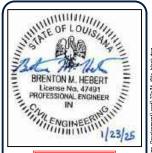
SCALE: 1" = 75'-0"



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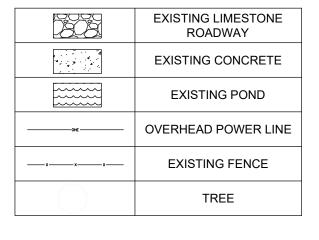
LAFOURCHE PARISH FIRE DISTRICT NO. 3

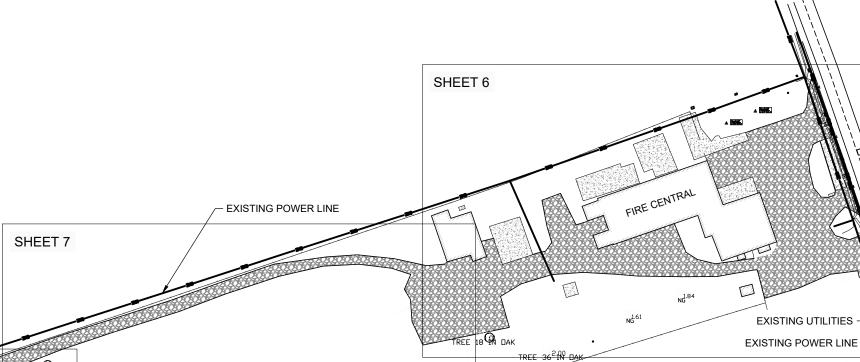
FIRE CENTRAL TRAINING TOWER

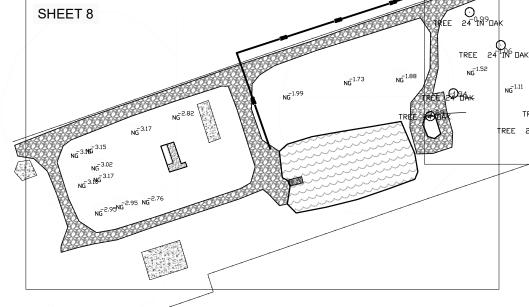
**ACCESS** PLAN

	Project number	39130-1360
1	Date	JANUARY 2025
	Designed by	ВМН
	Drawn by	ВМН
	Checked by	KDK
	Checked by	JJP
	Plot Date	January 23, 2025

### LEGEND:







TREE 24 IN DEAD TREE

REE 24 IN DEAD TREE

REE 24 IN DEAD TREE

TREE 240 35 UNK

NOTES:

- 1. CONTRACTOR MUST UTILIZE THE LIMESTONE ROAD FOR ALL VEHICLE TRAFFIC NEEDED FOR COMPLETION OF SCOPE OF WORK.
- 2. CONTRACTOR MUST ACCESS PROJECT SITE VIA LOUISIANA HIGHWAY 1. CONTRACTOR CAN NOT GET TO SITE FROM VIA THE NORTH GALLIANO FIRE STATION ON LOUISIANA HIGHWAY 3235.

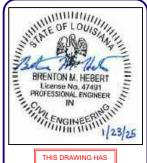
EXISTING SITE PLAN
SCALE: 1" = 60'-0"



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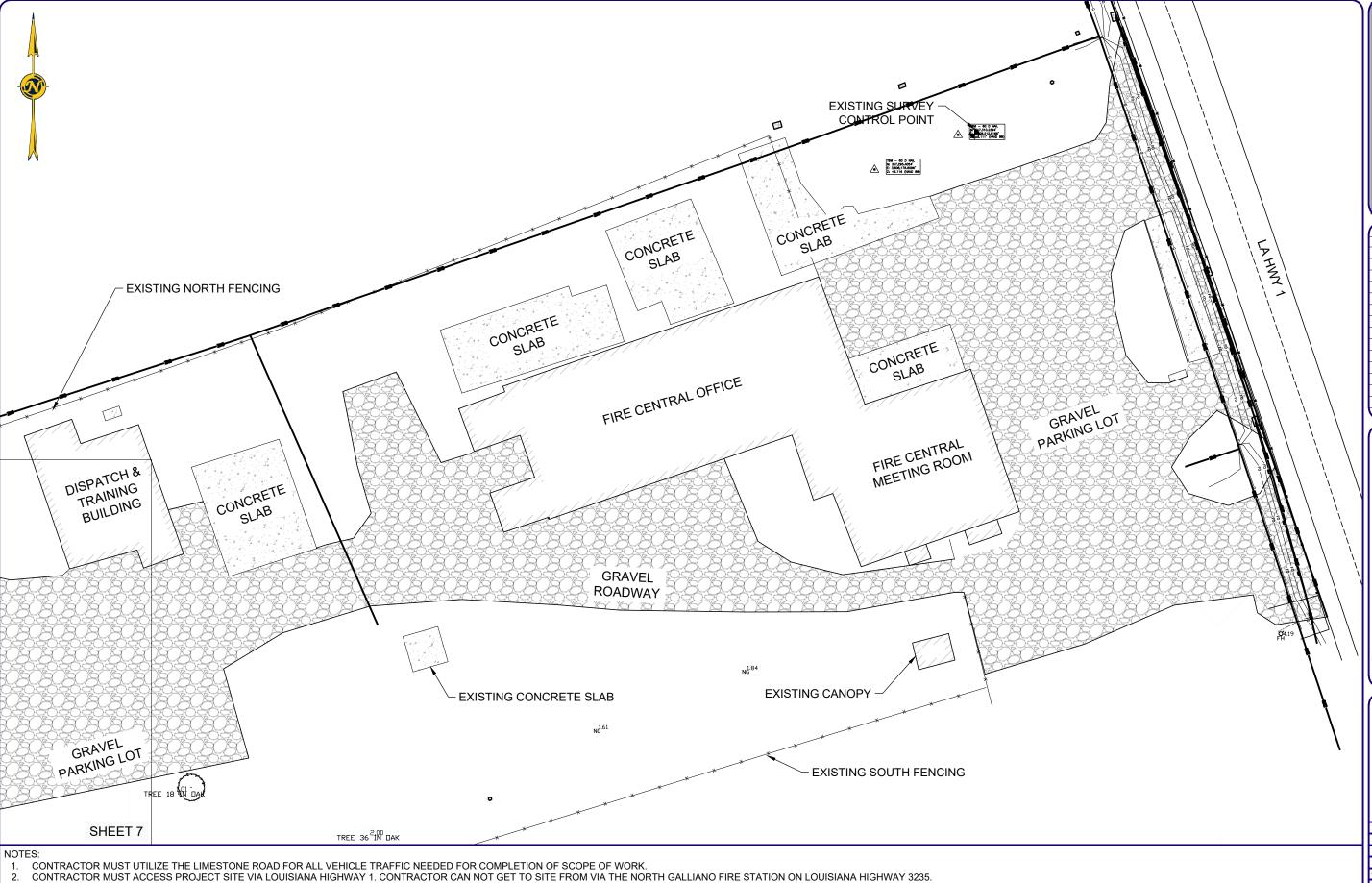
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LAFOURCHE PARISH FIRE DISTRICT NO. 3

FIRE CENTRAL TRAINING TOWER

EXISTING SITE PLAN (OVERALL)

Project number	39130-1360
Date	JANUARY 2025
Designed by	ВМН
Drawn by	ВМН
Checked by	KDK
Checked by	JJP
Plot Date	January 23, 2025



**ENGINEERING** 1

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LAFOURCHE PARISH FIRE
DISTRICT NO. 3

FIRE CENTRAL TRAINING TOWER

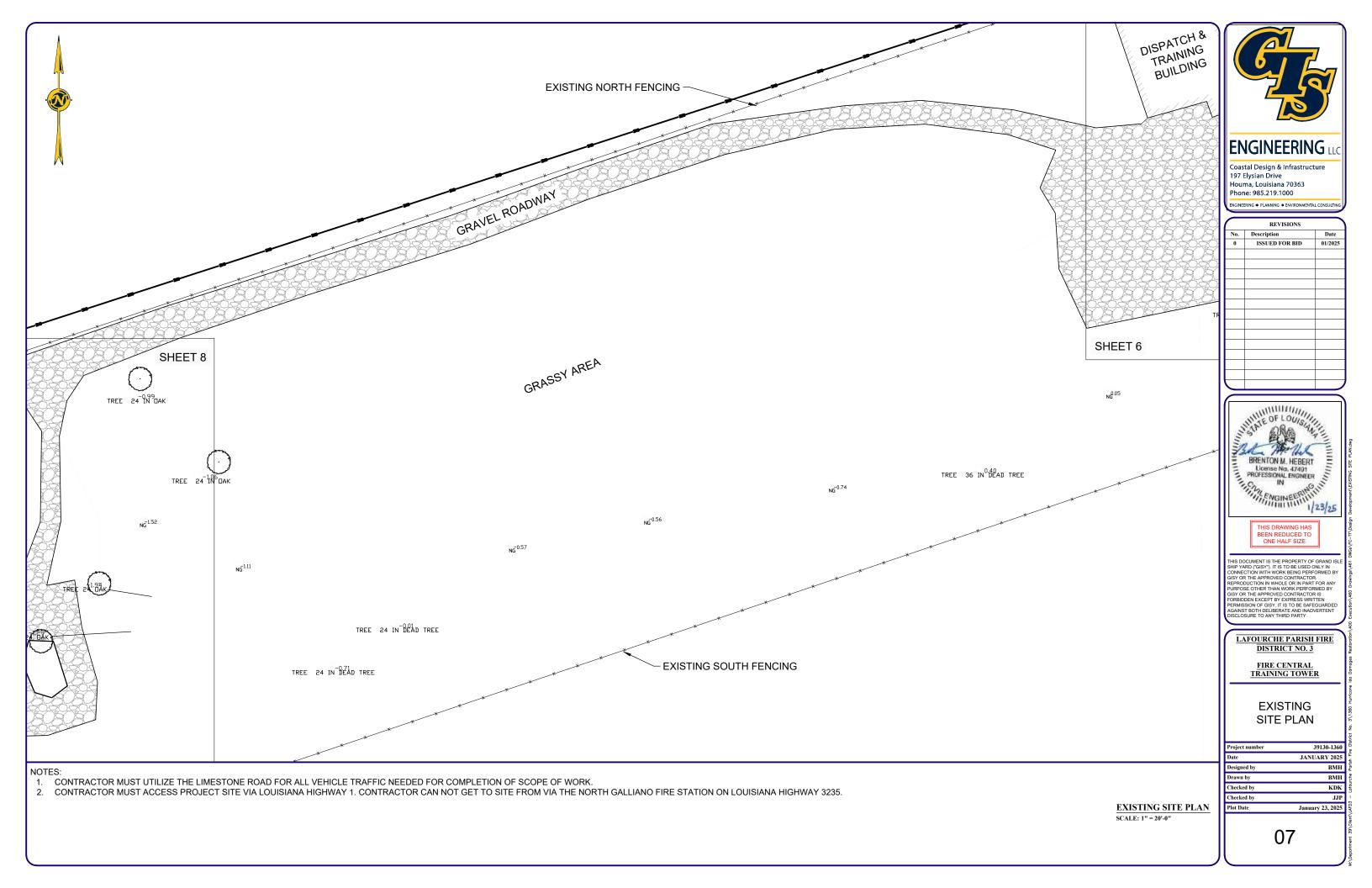
EXISTING SITE PLAN

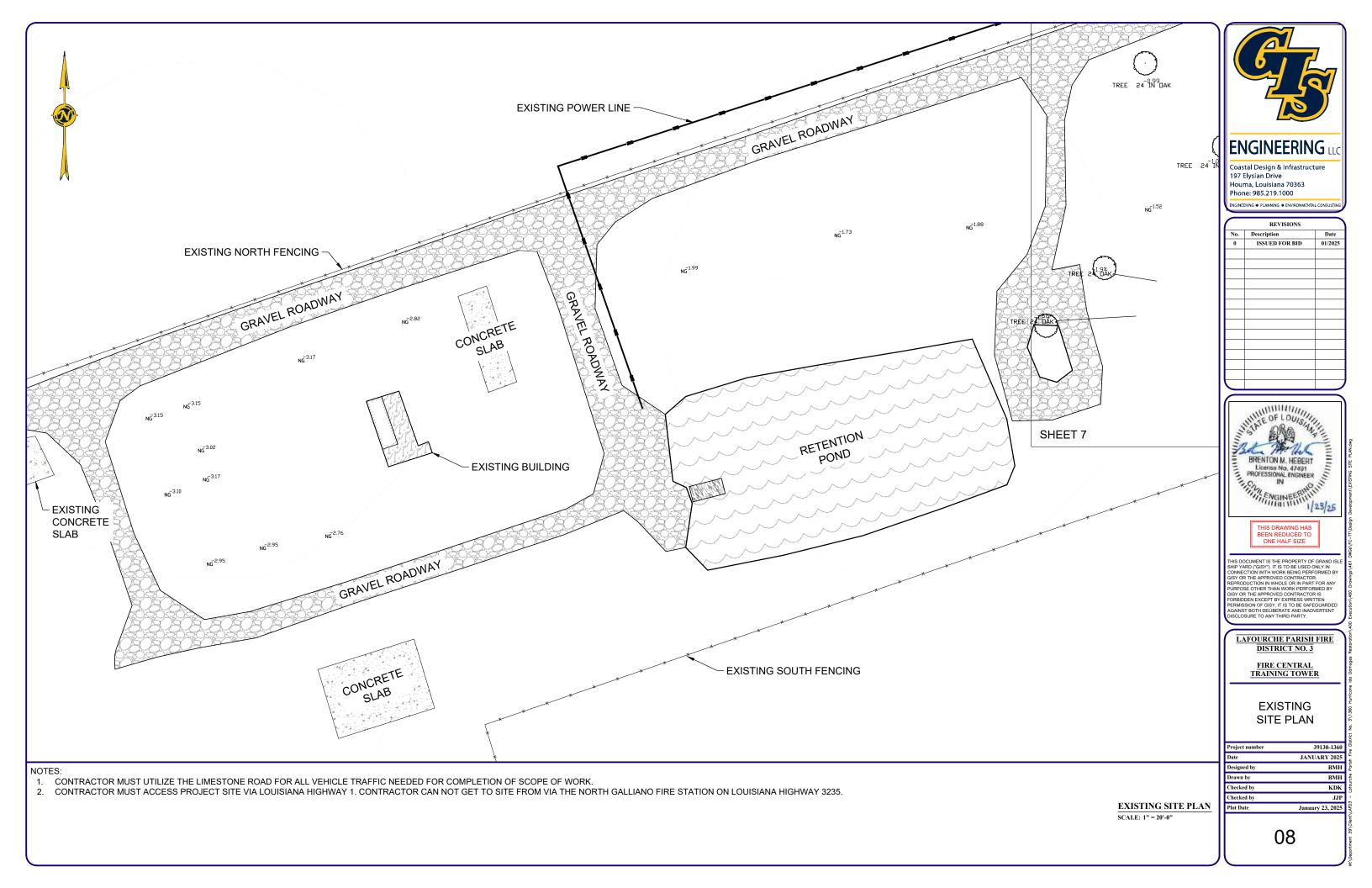
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Date	JANUARY 2025
Designed by	ВМН
Orawn by	ВМН
Checked by	KDK
Checked by	JJP
Plot Date	January 23, 2025

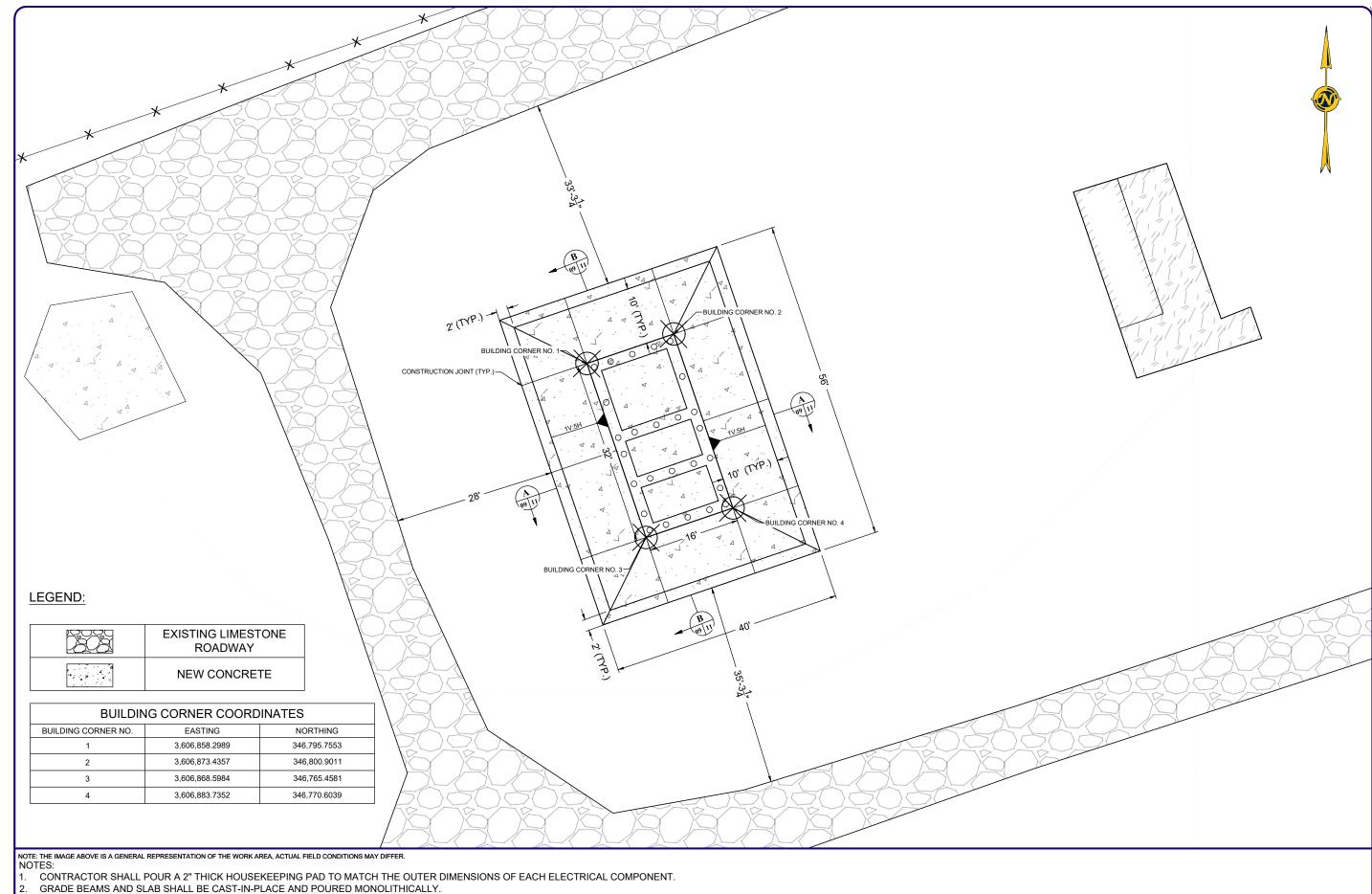
06

EXISTING SITE PLAN

SCALE: 1" = 20'-0"







BUILDING LOCATION SCALE: 1 1/2" = 1'-0" Coastal Design & Infrastructure 197 Elysian Drive

ENGINEERING

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LAFOURCHE PARISH FIRE DISTRICT NO. 3

FIRE CENTRAL TRAINING TOWER

BUILDING LOCATION AND CONCRETE PLAN

Tropect number   39130-1360			
Datigned by BMH Drawn by BMH Checked by JJP	Project number	39130-1360	e Dis
Drawn by BMH Checked by KDK Checked by JJP	Date	JANUARY 2025	
Checked by JJP	Designed by	ВМН	Parish
Checked by JJP	Drawn by	ВМН	che
	Checked by	KDK	Lafou
Plot Date January 23, 2025	Checked by	JJP	1
	Plot Date	January 23, 2025	LAFD3

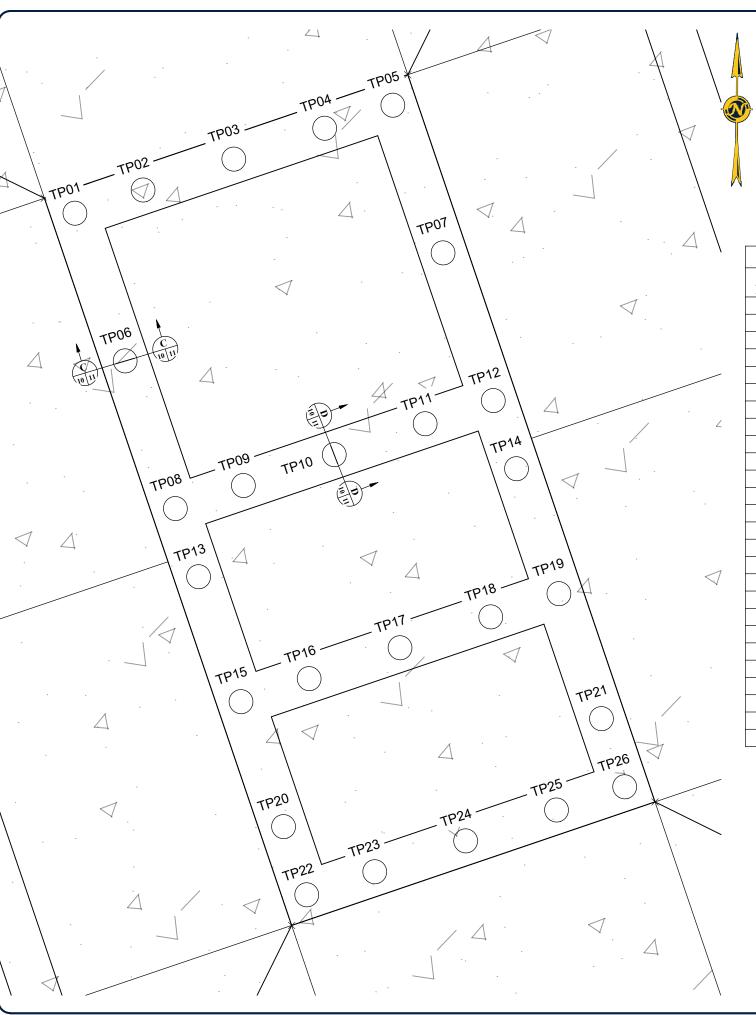
09

3. OPENINGS ON SLAB FOR ELECTRICAL CONDUITS NOT SHOWN. CONTRACTOR SHALL FOLLOW ELECTRICAL PLANS FOR WIRING LOCATIONS.
4. ALL CONCRETE SHALL HAVE A FINISHED FLOOR ELEVATION OF -1.00'.

5. WIRE MESH SHALL BE INCLUDED IN THE 6" SLAB SURROUNDING THE TRAINING TOWER.

VAPOR BARRIER SHALL BE INSTALLED UNDER ALL BUILDING SLAB CONCRETE.
 ALL EMBANKMENT MATERIAL IS OWNER SUPPLIED. EMBANKMENT SHALL BE COMPACTED TO 95% COMPACTION.

8. ALL TIMBER PILING MATERIAL IS OWNER SUPPLIED AND IS ALREADY ON SITE.



	Pile Schedule						
Point Number	Pile Type	Northing	Easting	Cutoff Elevation	Tip Elevation	Pile Length	Install
TP01	13" Ø TIMBER	346,795.1302'	3,606,859.5668'	-2.75	-42.75	40 FT.	PLUMB
TP02	13" Ø TIMBER	346,796.0950'	3,606,862.4049'	-2.75	-42.75	40 FT.	PLUMB
TP03	13" Ø TIMBER	346,797.3814'	3,606,866.1891'	-2.75	-42.75	40 FT.	PLUMB
TP04	13" Ø TIMBER	346,798.6679'	3,606,869.9733'	-2.75	-42.75	40 FT.	PLUMB
TP05	13" Ø TIMBER	346,799.6327'	3,606,872.8115'	-2.75	-42.75	40 FT.	PLUMB
TP06	13" Ø TIMBER	346,788.9760'	3,606,861.6589'	-2.75	-42.75	40 FT.	PLUMB
TP07	13" Ø TIMBER	346,793.4786'	3,606,874.9036'	-2.75	-42.75	40 FT.	PLUMB
TP08	13" Ø TIMBER	346,782.8219'	3,606,863.7510'	-2.75	-42.75	40 FT.	PLUMB
TP09	13" Ø TIMBER	346,783.7867'	3,606,866.5891'	-2.75	-42.75	40 FT.	PLUMB
TP10	13" Ø TIMBER	346,785.0732'	3,606,870.3733'	-2.75	-42.75	40 FT.	PLUMB
TP11	13" Ø TIMBER	346,786.3596'	3,606,874.1575'	-2.75	-42.75	40 FT.	PLUMB
TP12	13" Ø TIMBER	346,787.3245'	3,606,876.9957'	-2.75	-42.75	40 FT.	PLUMB
TP13	13" Ø TIMBER	346,779.9816'	3,606,864.7166'	-2.75	-42.75	40 FT.	PLUMB
TP14	13" Ø TIMBER	346,784.4841'	3,606,877.9613'	-2.75	-42.75	40 FT.	PLUMB
TP15	13" Ø TIMBER	346,774.7742'	3,606,866.4868'	-2.75	-42.75	40 FT.	PLUMB
TP16	13" Ø TIMBER	346,775.7391'	3,606,869.3249'	-2.75	-42.75	40 FT.	PLUMB
TP17	13" Ø TIMBER	346,777.0255'	3,606,873.1091'	-2.75	-42.75	40 FT.	PLUMB
TP18	13" Ø TIMBER	346,778.3119'	3,606,876.8933'	-2.75	-42.75	40 FT.	PLUMB
TP19	13" Ø TIMBER	346,779.2768'	3,606,879.7315'	-2.75	-42.75	40 FT.	PLUMB
TP20	13" Ø TIMBER	346,769.5669'	3,606,868.2570'	-2.75	-42.75	40 FT.	PLUMB
TP21	13" Ø TIMBER	346,774.0694'	3,606,881.5017'	-2.75	-42.75	40 FT.	PLUMB
TP22	13" Ø TIMBER	346,766.7265'	3,606,869.2226'	-2.75	-42.75	40 FT.	PLUMB
TP23	13" Ø TIMBER	346,767.6914'	3,606,872.0608'	-2.75	-42.75	40 FT.	PLUMB
TP24	13" Ø TIMBER	346,768.9778'	3,606,875.8450'	-2.75	-42.75	40 FT.	PLUMB
TP25	13" Ø TIMBER	346,770.2642'	3,606,879.6292'	-2.75	-42.75	40 FT.	PLUMB
TP26	13" Ø TIMBER	346,771.2291'	3,606,882.4673'	-2.75	-42.75	40 FT.	PLUMB

TIMBER PILE PLAN
SCALE: 1" = 0'-6"



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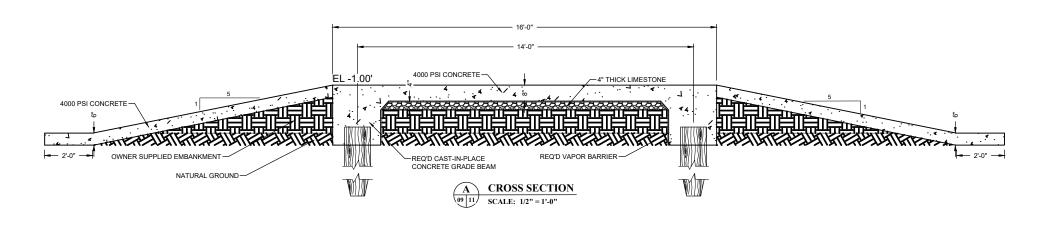
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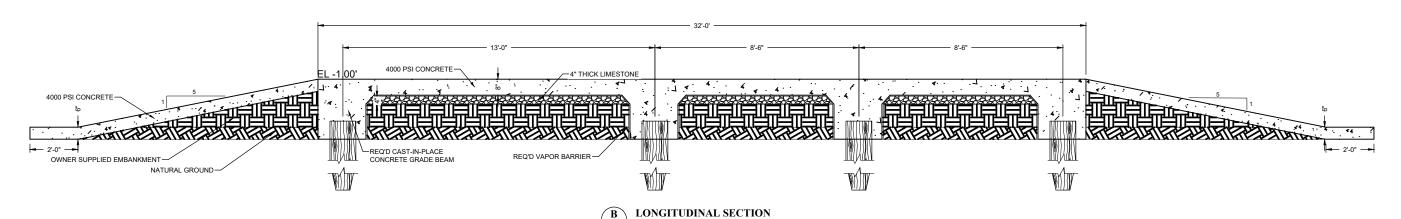
LAFOURCHE PARISH FIRE DISTRICT NO. 3

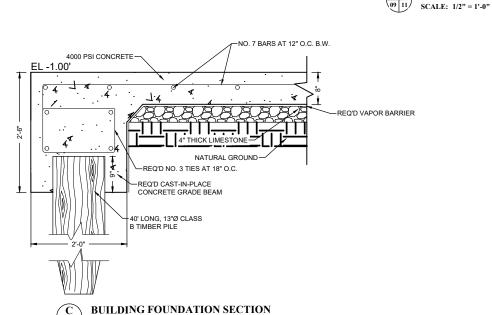
FIRE CENTRAL TRAINING TOWER

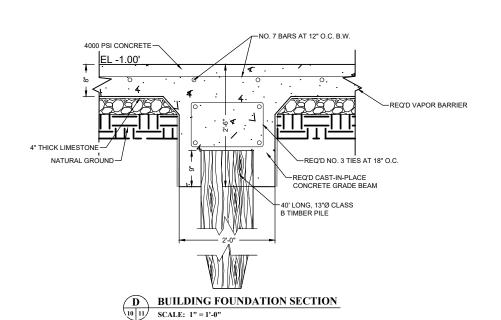
TIMBER PILE PLAN AND SCHEDULE

Project number	39130-1360
Date	JANUARY 2025
Designed by	ВМН
Drawn by	ВМН
Checked by	KDK
Checked by	JJP
Plot Date	January 23, 2025









### NOTES:

CONTRACTOR SHALL POUR A 2" THICK HOUSEKEEPING PAD TO MATCH THE OUTER DIMENSIONS OF EACH ELECTRICAL COMPONENT.

10 11 SCALE: 1" = 1'-0"

- GRADE BEAMS AND SLAB SHALL BE CAST-IN-PLACE AND POURED MONOLITHICALLY.
- OPENINGS ON SLAB FOR ELECTRICAL CONDUITS NOT SHOWN. CONTRACTOR SHALL FOLLOW ELECTRICAL PLANS FOR WIRING LOCATIONS.
- ALL CONCRETE SHALL HAVE A FINISHED FLOOR ELEVATION OF -1.00'.
- WIRE MESH SHALL BE INCLUDED IN THE 6" SLAB SURROUNDING THE TRAINING TOWER.
- VAPOR BARRIER SHALL BE INSTALLED UNDER ALL BUILDING SLAB CONCRETE.
- TRAINING TOWER BUILDING SHALL BE ANCHORED DOWN TO CONCRETE. ONCE BUILDING ORDER IS PLACED, MANUFACTURER WILL PROVIDE AN ANCHOR BOLT PLAN.
- ALL EMBANKMENT MATERIAL IS OWNER SUPPLIED AND IS ALREADY ON SITE. EXISTING GROUND SHALL BE GRADED BEFORE EMBANKMENT IS PLACED. EMBANKMENT SHALL BE COMPACTED TO 95% COMPACTION. ANY LEFTOVER EMBANKMENT SHALL BE USED TO GRADE THE AREA AROUND THE TRAINING TOWER.
- ALL TIMBER PILING MATERIAL IS OWNER SUPPLIED AND IS ALREADY ON SITE.



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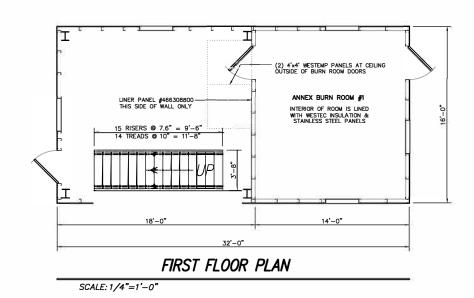
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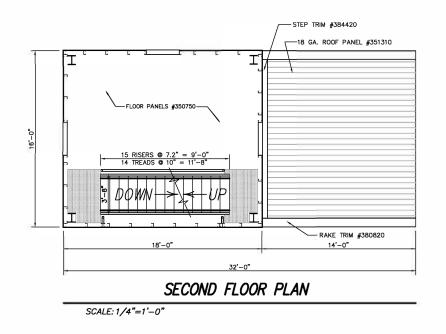
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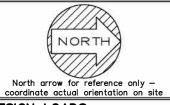
FIRE CENTRAL TRAINING TOWER

**CONCRETE AND EMBANKMENT** TYPICAL SECTIONS

Project number	39130-1360
Date	JANUARY 2025
Designed by	ВМН
Drawn by	ВМН
Checked by	KDK
Checked by	JJP
Plot Date	January 23, 2025







### DESIGN LOADS:

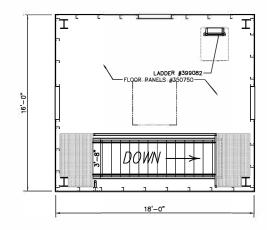
ROOF LIVE LOAD: 100 PSF FLOOR LIVE LOAD: 100 PSF

WND LOAD: 143 MPH; RISK CAT I; EXP C

SEISMIC DESIGN CAT: LOCAL SITE CLASS: LOCAL

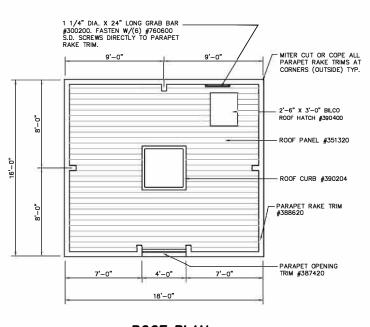
DESIGN CODE: LOCAL & NFPA 1402

NOTE: ALL SHUTTERS IN TOWER SWING IN, UNLESS OTHERWISE SHOWN ALL SHUTTERS IN BURN ROOM SWING OUT, UNLESS OTHERWISE SHOWN



THIRD FLOOR PLAN

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



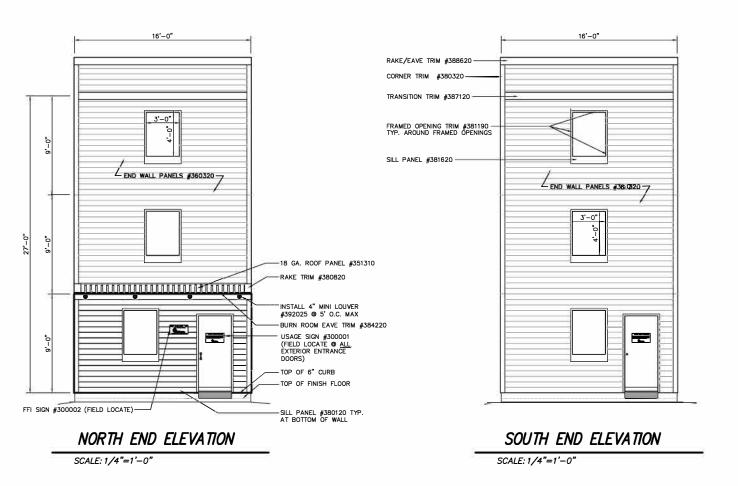
ROOF PLAN

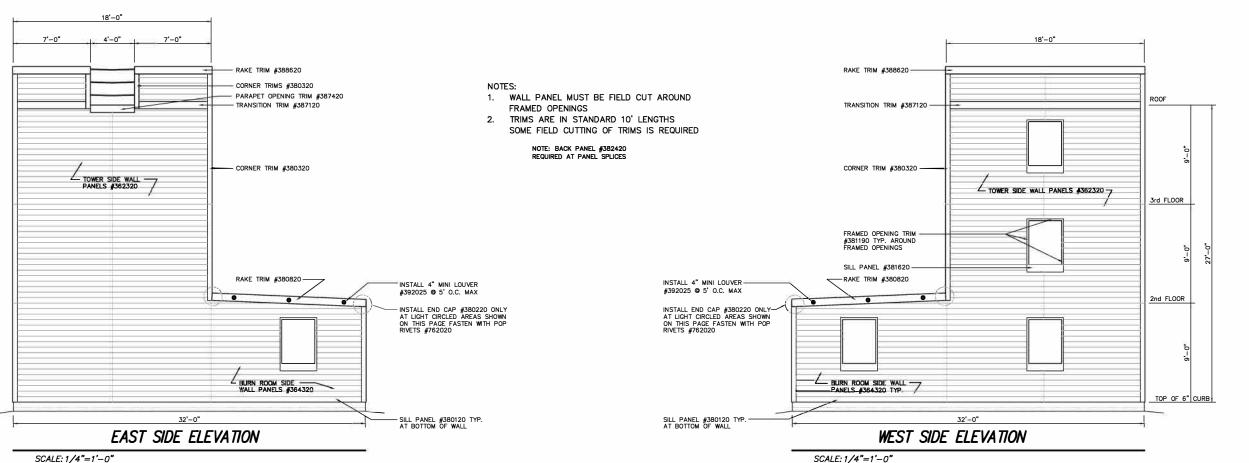
SCALE: 1/4"=1'-0"

NM VOC SITE	PROPERTY OF	314 WILBURN OFFICE: (608	WRITTEN PER	
FIRE FACILITIES	STEEL FIRE TRAINING TOWERS	FIRE FACILITES, INC. 314 WI BURN ROAD. SIJN PRARIE. W 53590	OFFICE: (608) 327-4100 FAX: (608) 834-1843 TOLL FREE: (800) 929-3726 TOLL FREE FAX: (866) 639-7012	WWW.FIREFACILITIES.COM; INFO® FIREFACILITIES.COM
Job Description:	WESCO MODEL WH-3S	CUSTOM CUT OFF, LA		Sheet 17the: FLOOR PLANS
		OCTOBER	6, 2	023
Drawn Checke	by:	DW		
Scale:		SF		
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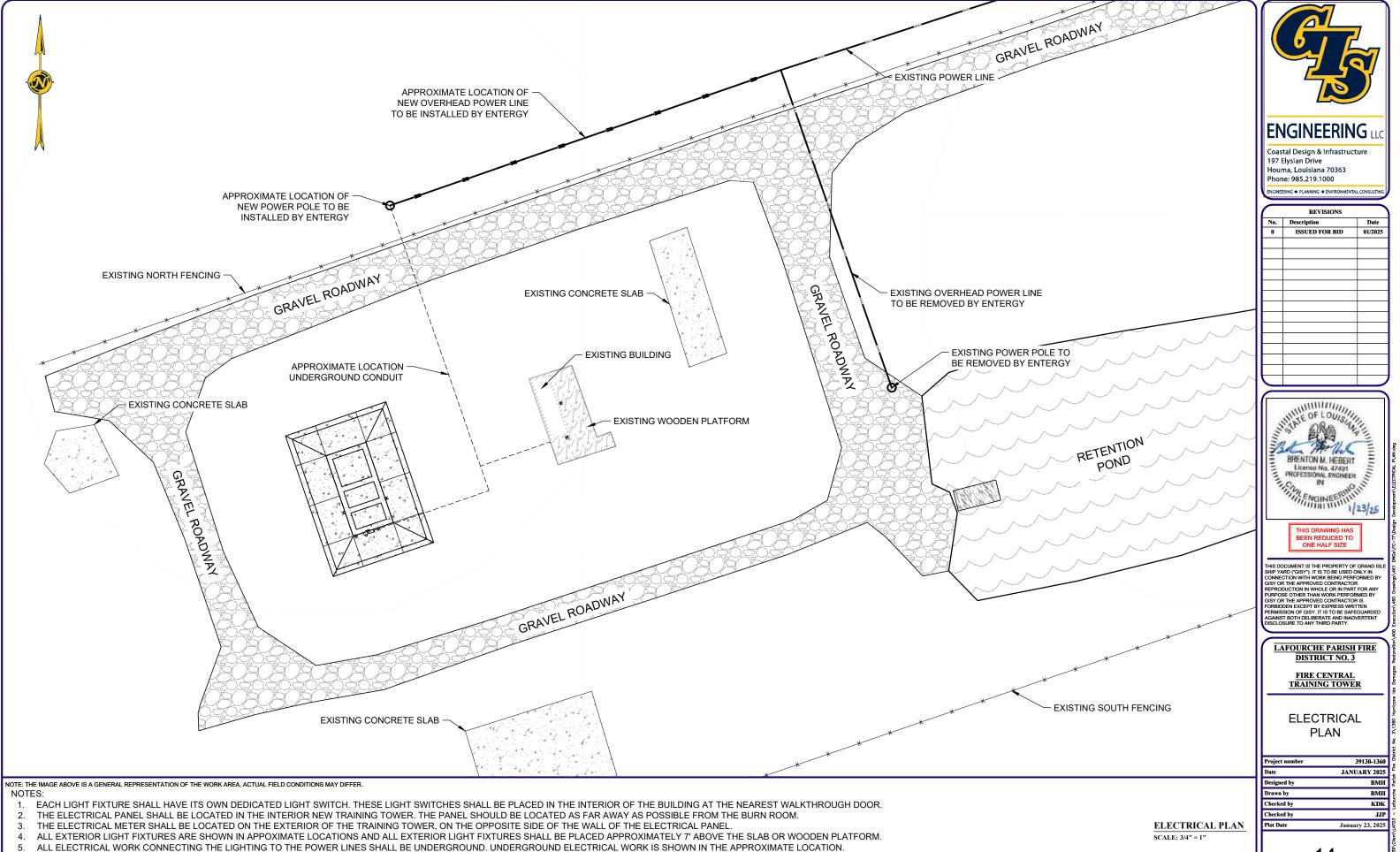
REVISIONS





FACILITIES
RE TRAINING TOWERS FIRE STEEL FIRE WH-3S MODEL  $\leq$ WESCO N CUSTOM CUT OFF, OCTOBER 6, 2023 DWK SPW SHOWN #5542 13

REVISIONS



PLEASE NOTE THAT THE LOCATION OF THE NEW POWER POLE AND POWER LINE ARE APPROXIMATE.

14

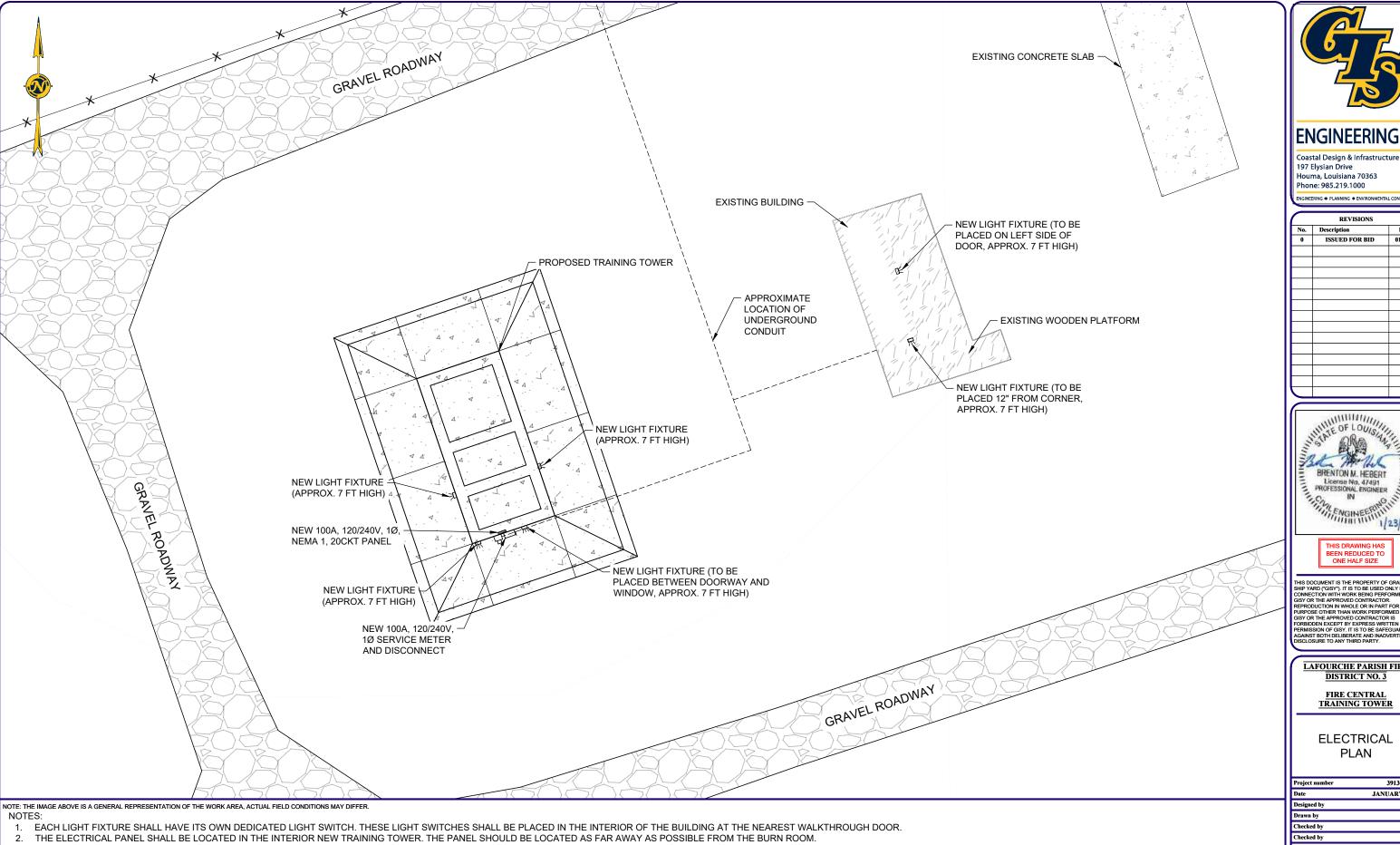
39130-1360

ВМН

RMH

KDK

01/2025



THE ELECTRICAL METER SHALL BE LOCATED ON THE EXTERIOR OF THE TRAINING TOWER, ON THE OPPOSITE SIDE OF THE WALL OF THE ELECTRICAL PANEL.

UNDEGROUND CONDUIT FROM POWER POLE TO METER BOX UPON COMPLETION OF ALL ELECTRICAL WORK.

ALL EXTERIOR LIGHT FIXTURES ARE SHOWN IN APPROXIMATE LOCATIONS AND ALL EXTERIOR LIGHT FIXTURES SHALL BE PLACED APPROXIMATELY 7' ABOVE THE SLAB OR WOODEN PLATFORM.

ALL ELECTRICAL WORK CONNECTING THE LIGHTING TO THE POWER SOURCE SHALL BE UNDERGROUND. THERE SHALL BE TWO RUNS OF 3" CONDUIT RUNNING FROM THE POWER POLE TO

METER BOX AND BETWEEN THE BUILDINGS. CONDUIT SHALL BE BURIED AT MINIMUM 3 FEET BELOW THE NATURAL GROUND ELEVATION. ENTERGY WILL RUN REQUIRED WIRING THROUGH

ELECTRICAL PLAN SCALE: 1 1/2" = 1"

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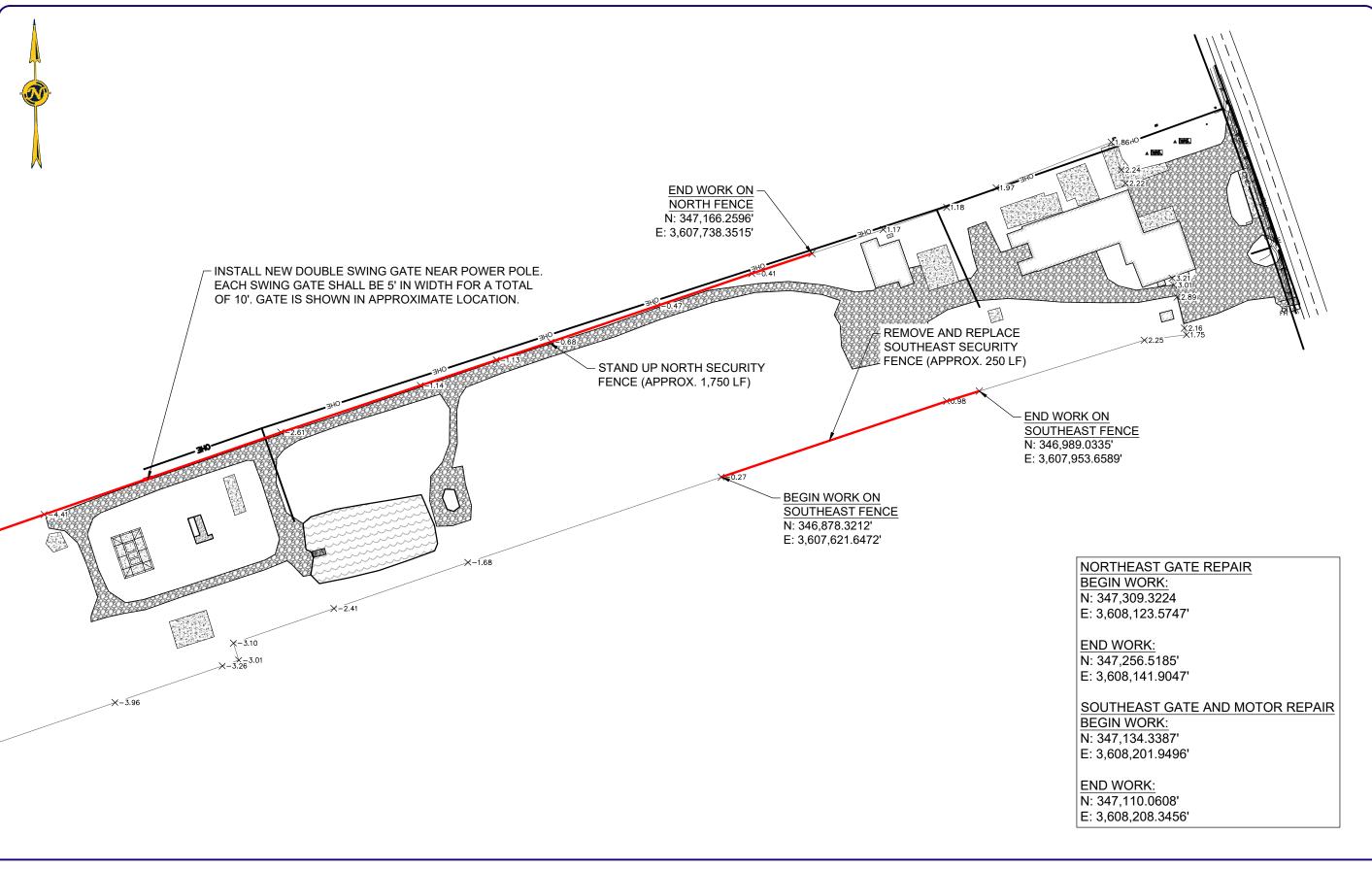
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LAFOURCHE PARISH FIRE DISTRICT NO. 3

FIRE CENTRAL
TRAINING TOWER

**ELECTRICAL** PLAN

ı	Project number	39130-1360
	Date	JANUARY 2025
1	Designed by	ВМН
	Drawn by	ВМН
	Checked by	KDK
	Checked by	JJP
ı	Plot Date	January 23, 2025



1. CONTRACTOR TO VERIFY ALL FENCING DIMENSIONS TO BE REPAIRED/REPLACED BEFORE CONSTRUCTION. THESE DIMENSIONS

FOR FENCE REPAIR LOCATIONS NOT ALONG THE EXISTING ROAD, CONTRACTOR SHALL REPAIR ALL DAMAGE AND RUTTING CAUSED

ALL SECURITY FENCING MATERIAL SHALL BE SALVAGED AND REUSED WHERE POSSIBLE.

BY THE CONTRACTOR'S MEANS AND METHODS AT NO ADDITIONAL COST TO THE OWNER.

SHALL BE SUBMITTED TO THE ENGINEER.

ALL FENCING WORK WILL BE PAID UNDER ALTERNATE NO. 1.

Drawn by Checked by Checked by

Plot Date

16

lengineering 11 Coastal Design & Infrastructure 197 Elysian Drive

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TATE OF LOUIS

BRENTON M. HEBERT License No. 47491 PROFESSIONAL ENGINEER IN

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LAFOURCHE PARISH FIRE

DISTRICT NO. 3

FIRE CENTRAL TRAINING TOWER

SECURITY

**FENCING LAYOUT** 

39130-1360 JANUARY 2025

January 23, 2025

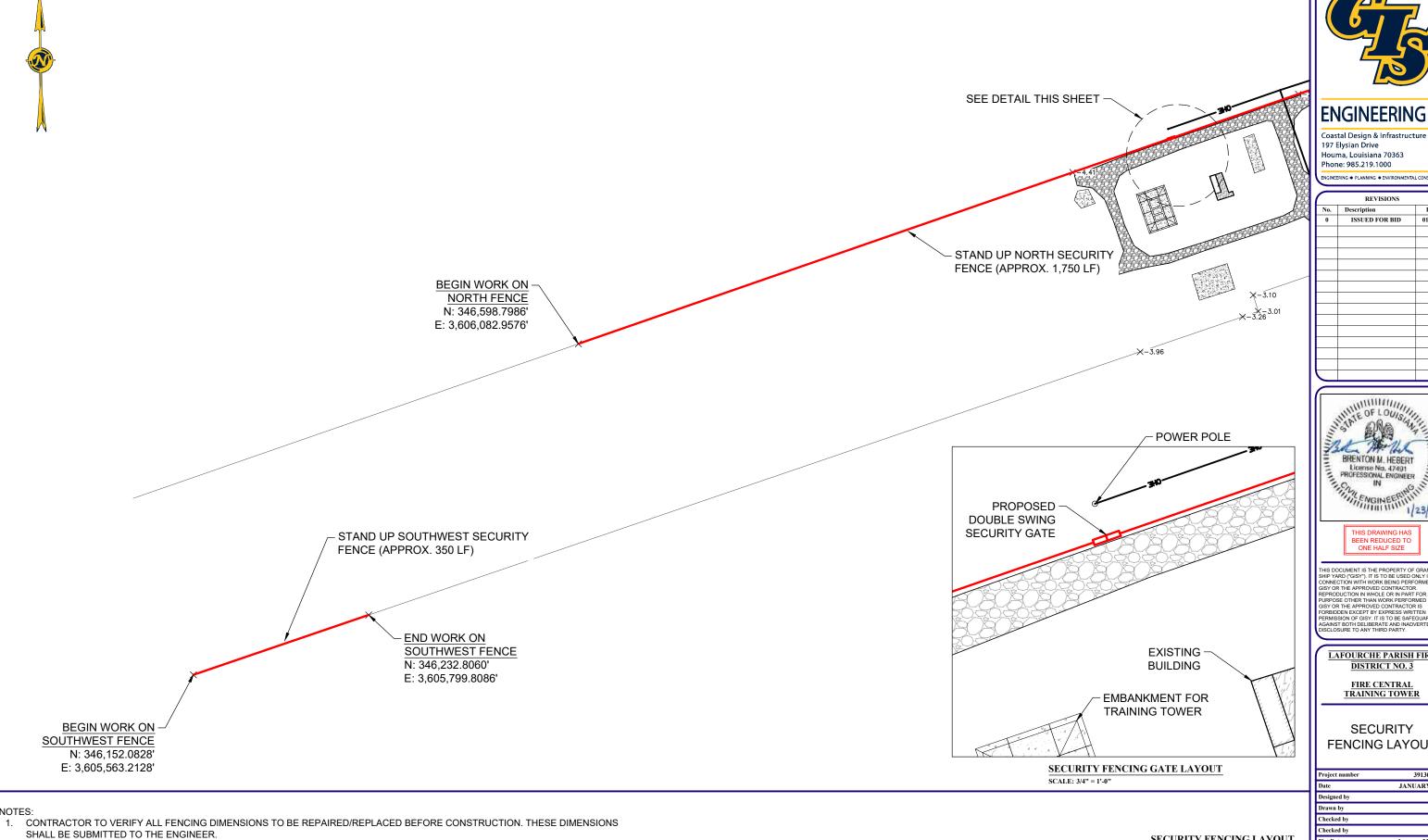
RMH

KDK

01/2025

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SECURITY FENCING LAYOUT



ALL SECURITY FENCING MATERIAL SHALL BE SALVAGED AND REUSED WHERE POSSIBLE.

BY THE CONTRACTOR'S MEANS AND METHODS AT NO ADDITIONAL COST TO THE OWNER.

ALL FENCING WORK WILL BE PAID UNDER ALTERNATE NO. 1.

FOR FENCE REPAIR LOCATIONS NOT ALONG THE EXISTING ROAD, CONTRACTOR SHALL REPAIR ALL DAMAGE AND RUTTING CAUSED

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LAFOURCHE PARISH FIRE DISTRICT NO. 3

FIRE CENTRAL TRAINING TOWER

SECURITY FENCING LAYOUT

ject number	39130-1360
te	JANUARY 2025
igned by	ВМН
ıwn by	ВМН
ecked by	KDK
ecked by	JJP
t Date	January 23, 2025

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SECURITY FENCING LAYOUT



FIGURE 1: VIEW OF LEANING OVER NORTH SIDE FENCE NEAR LIMESTONE ROADWAY



SIDE FENCE PAST LIMESTONE ROADWAY



FIGURE 3: VIEW OF LEANING OVER SOUTHWEST FENCE NEAR NORTH GALLIANO FIRE STATION



FIGURE 4: VIEW OF LEANING OVER SOUTHWEST FENCE NEAR NORTH GALLIANO FIRE STATION



FIGURE 4: VIEW OF LEANING OVER SOUTHWEST FENCE NEAR NORTH GALLIANO FIRE STATION



FIGURE 4: VIEW OF LEANING OVER SOUTHWEST FENCE NEAR NORTH GALLIANO FIRE STATION



FIGURE 7: VIEW OF DAMAGED SOUTHEAST FENCE NEAR TRAINING BUILDING



FIGURE 8: VIEW OF DAMAGED SOUTHEAST FENCE NEAR TRAINING BUILDING



FIGURE 9: VIEW OF DAMAGED SOUTHEAST FENCE NEAR TRAINING BUILDING



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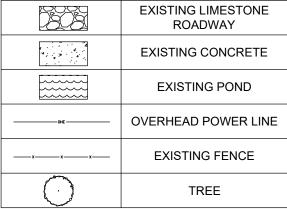
LAFOURCHE PARISH FIRE
DISTRICT NO. 3

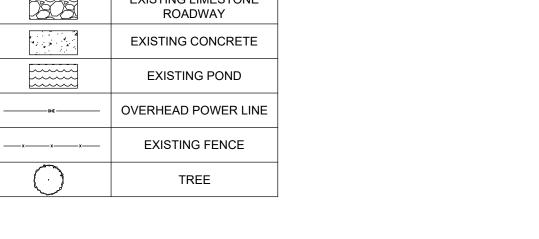
FIRE CENTRAL TRAINING TOWER

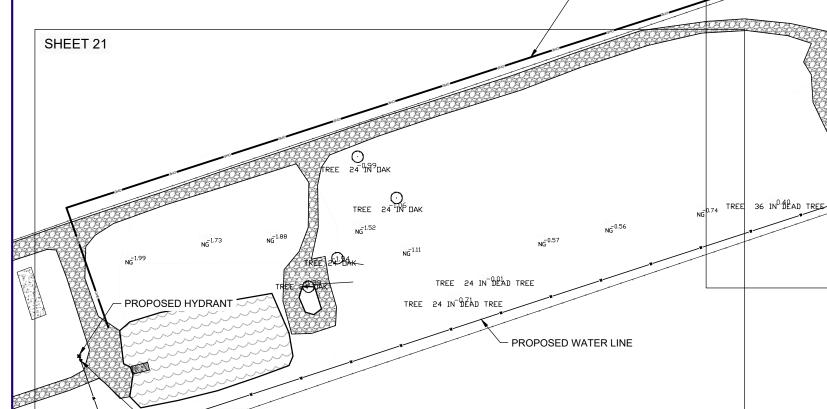
POST-STORM PHOTOS OF SECURITY FENCING

Project number	39130-1360
Date	JANUARY 2025
Designed by	ВМН
Drawn by	ВМН
Checked by	KDK
Checked by	JJP
Plot Date	January 23, 2025

### LEGEND:







SHEET 20

**EXISTING POWER LINE** 

DISPATCH & TRAINING

BUILDING

WATERLINE/FI	RE HYDRANT COOF	RDINATES
LOCATION	EASTING	NORTHING
WATER LINE TIE-IN TO MAIN LINE	3,608,356.2444	347,127.3413
90 DEGREE TURN IN WATERLINE	3,607,072.0417	346,707.9936
FIRE HYDRANT	3,607,042.5092	346,793.1236
ATER SHUTOFF VALVE NEAR LA HIGHWAY 1	3,608,354.0411	347,126.6218
WATER SHUTOFF VALVE NEAR FIRE HYDRANT	3,607,044.1767	346,788.2433

PROPOSED WATER SHUT OFF VALVE

WATER LINE PLAN

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

**EXISTING UTILITIES** 

**EXISTING POWER LINE** 

FIRE CENTRAL

NOTE: THE IMAGE ABOVE IS A GENERAL REPRESENTATION OF THE WORK AREA, ACTUAL FIELD CONDITIONS MAY DIFFER.

- PROPOSED WATER SHUT OFF VALVE

- ALL WATER LINE PIPING SHALL BE SCHEDULE 40 8" PVC.
- THE WATER LINE THAT PARALLELS LA HIGHWAY 1 IS BELIEVED TO BE BETWEEN 3.5' AND 4' BELOW THE NATURAL GROUND.
- 3. TYPICAL WATERLINE TRENCH SECTION CAN BE FOUND ON THE LAFOURCHE PARISH WATER DISTRICT #1 STANDARD PLANS (SHEET 2 OF 2).
- 4. ALL WATER LINE COMPONENTS, INCLUDING TRENCHING, BACKFILLING, AND BEDDING MATERIAL SHALL BE PAID UNDER ALTÈRNATE NO. 2.



197 Elysian Drive Houma, Louisiana 70363 Phone: 985.219.1000

REVISIONS				
No.	Description	Date		
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ONE HALF SIZE

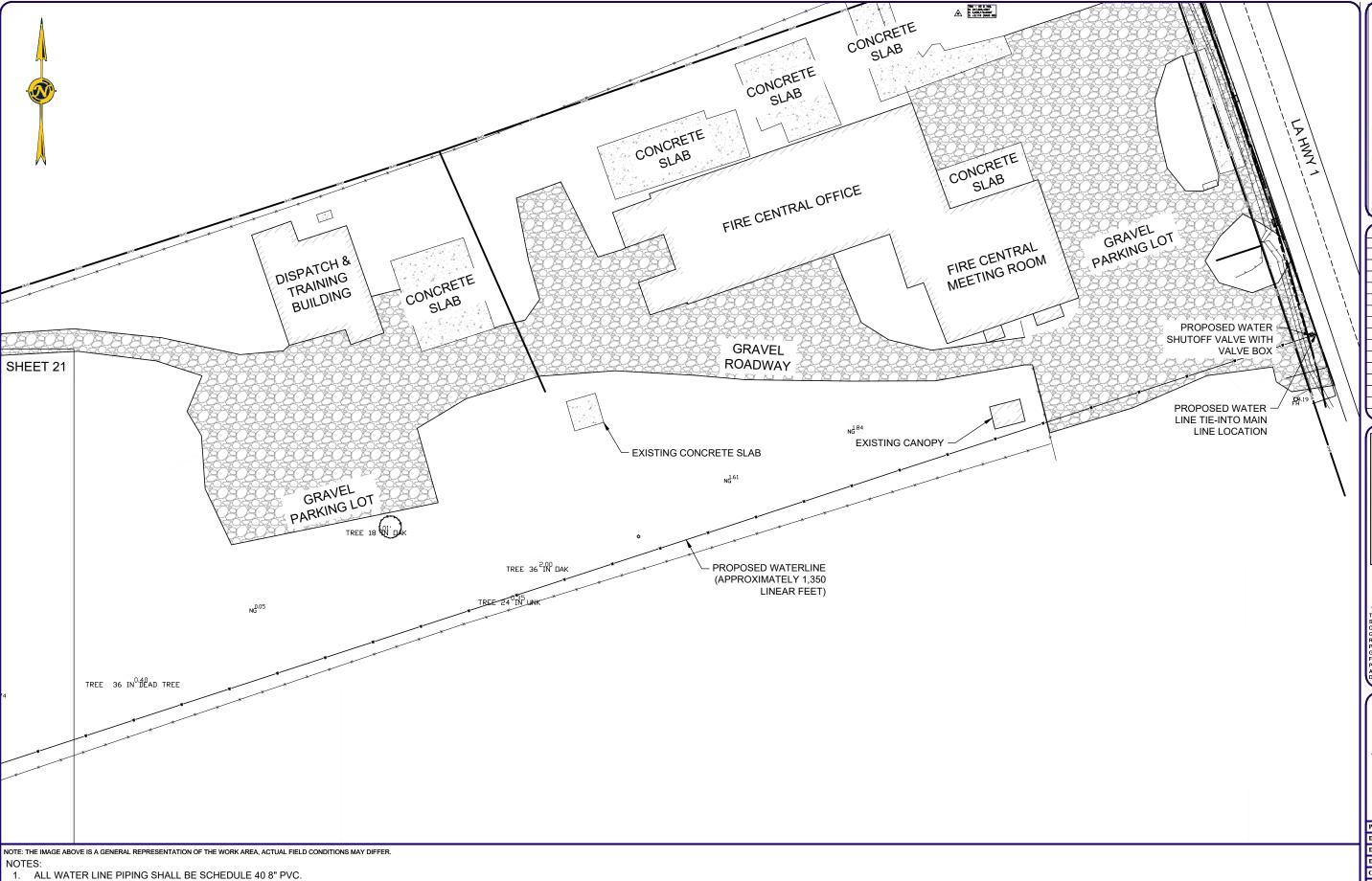
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LAFOURCHE PARISH FIRE DISTRICT NO. 3

FIRE CENTRAL TRAINING TOWER

WATER LINE PLAN (OVERALL)

	Date	JANUARY 2025
1	Designed by	ВМН
ı	Drawn by	ВМН
	Checked by	KDK
	Checked by	JJP
	Plot Date	January 23, 2025



THE WATER LINE THAT PARALLELS LA HIGHWAY 1 IS BELIEVED TO BE BETWEEN 3.5' AND 4' BELOW THE NATURAL GROUND.

TYPICAL WATERLINE TRENCH SECTION CAN BE FOUND ON THE LAFOURCHE PARISH WATER DISTRICT #1 STANDARD PLANS (SHEET 2 OF 2).

4. ALL WATER LINE COMPONENTS, INCLUDING TRENCHING, BACKFILLING, AND BEDDING MATERIAL SHALL BE PAID UNDER ALTERNATE NO. 2.

WATER LINE PLAN
SCALE: 1/2" = 1'-0"

ENGINEERING LLC

Coastal Design & Infrastructure 197 Elysian Drive Houma, Louisiana 70363 Phone: 985.219.1000

INEERING • PLANNING • ENVIRONMENTAL CON

	REVISIONS	
No.	Description	Date
0	ISSUED FOR BID	01/2025



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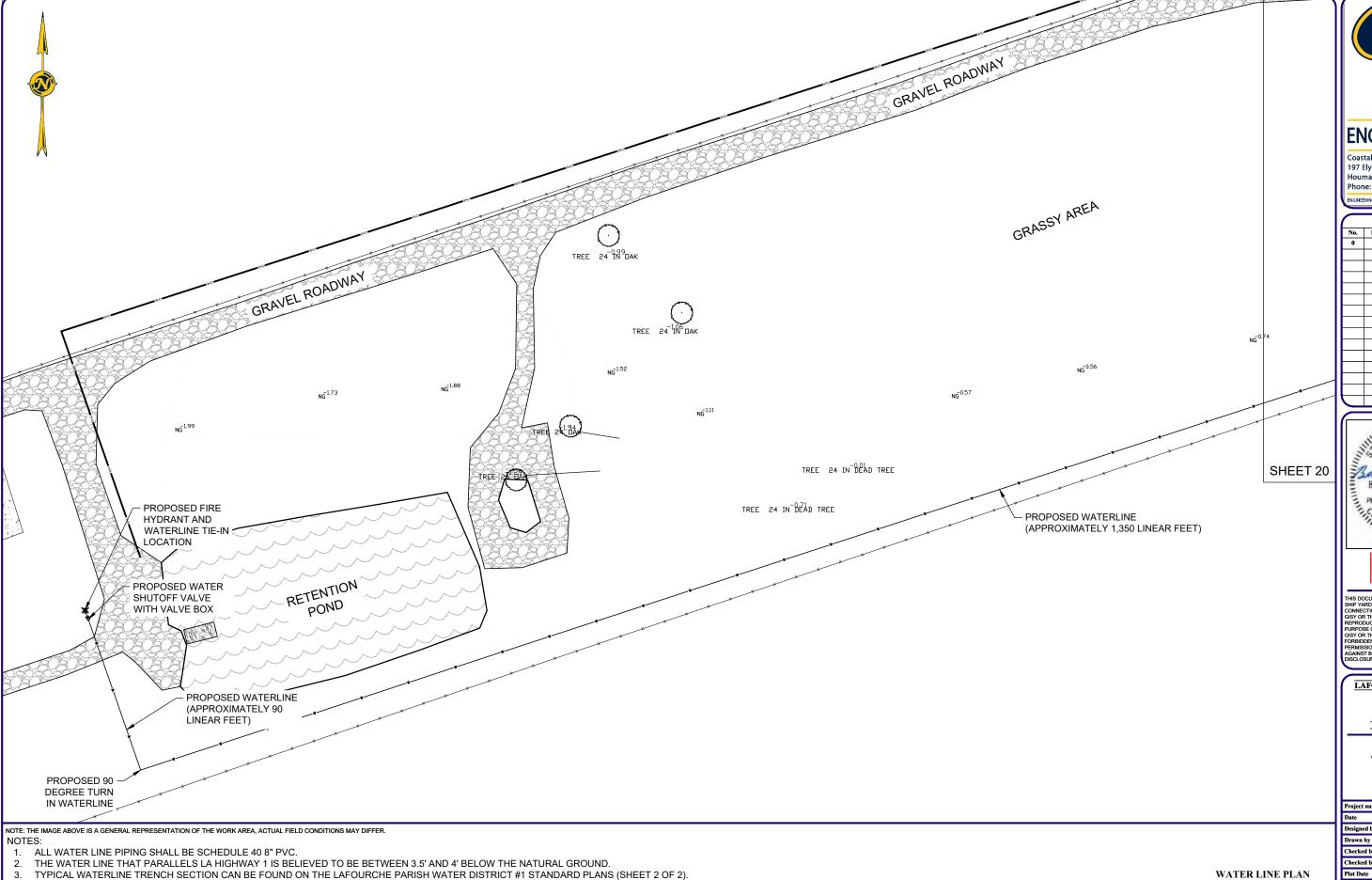
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LAFOURCHE PARISH FIRE DISTRICT NO. 3

FIRE CENTRAL
TRAINING TOWER

WATER LINE PLAN

Project number	39130-1360
Date	JANUARY 2025
Designed by	ВМН
Drawn by	ВМН
Checked by	KDK
Checked by	JJP
Plot Date	January 23, 2025



ALL WATER LINE COMPONENTS, INCLUDING TRENCHING, BACKFILLING, AND BEDDING MATERIAL SHALL BE PAID UNDER ALTERNATE NO. 2.

ENGINEERING

Coastal Design & Infrastructure 197 Elysian Drive Houma, Louisiana 70363 Phone: 985.219.1000

1	REVISIONS		
No.	No. Description		
0	ISSUED FOR BID	01/2025	

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LAFOURCHE PARISH FIRE DISTRICT NO. 3

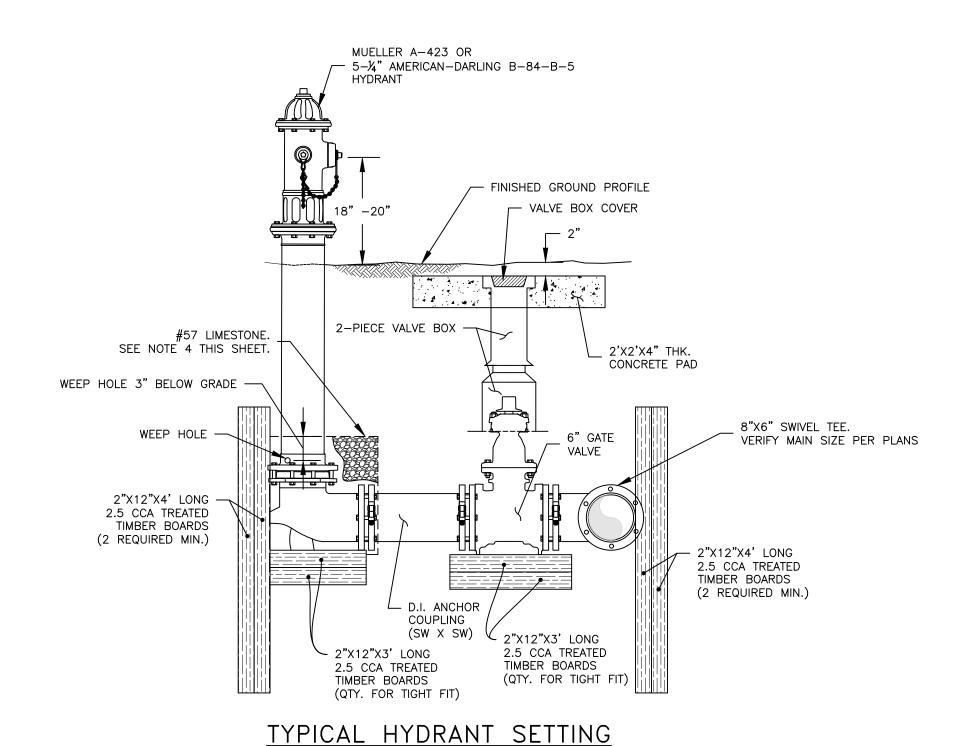
FIRE CENTRAL
TRAINING TOWER

WATER LINE PLAN

	Project number	39130-1360
	Date	JANUARY 2025
1	Designed by	ВМН
	Drawn by	ВМН
	Checked by	KDK
	Checked by	JJP
	Plot Date	January 23, 2025

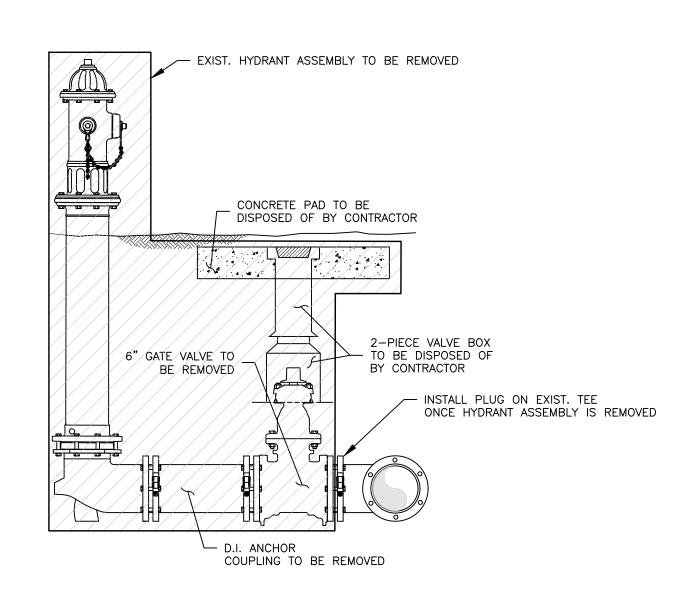
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SCALE: 1/2" = 1'-0"



### HYDRANT NOTES:

- PUMPER CONNECTION SHALL BE SET PERPENDICULAR TO THE EDGE OF PAVEMENT, UNLESS
- SPECIFICALLY STATED OTHERWISE. HYDRANTS SHALL BE PLUMB AND LEVEL.
- PRIOR TO BACKFILLING TRENCH, WRAP VALVE AND HYDRANT WITH 8 MIL POLYETHYLENE FILM. PUNCH HOLES IN FILM TO DRAIN GROUND WATER.
- #57 STONE SHALL BE PLACED FROM BOTTOM OF HYDRANT SHOE TO 3" ABOVE WEEP HOLE TO ENSURE PROPER DRAINAGE. CORTEN BOLTS TO BE USED ON ALL MECHANICAL JOINTS.
- 18-8 STAINLESS STEEL SHALL BE USED FOR ALL EXPOSED NUTS AND BOLTS, EXCEPT ON MECHANICAL
- PAY ITEM FOR FIRE HYDRANT ASSEMBLY SHALL INCLUDE INSTALLATION OF ALL FITTINGS AND APPURTANCES SHOWN ON THIS DETAIL.
- 8. VALVE BOX SHOULD NOT CONTACT MAIN OR VALVE.

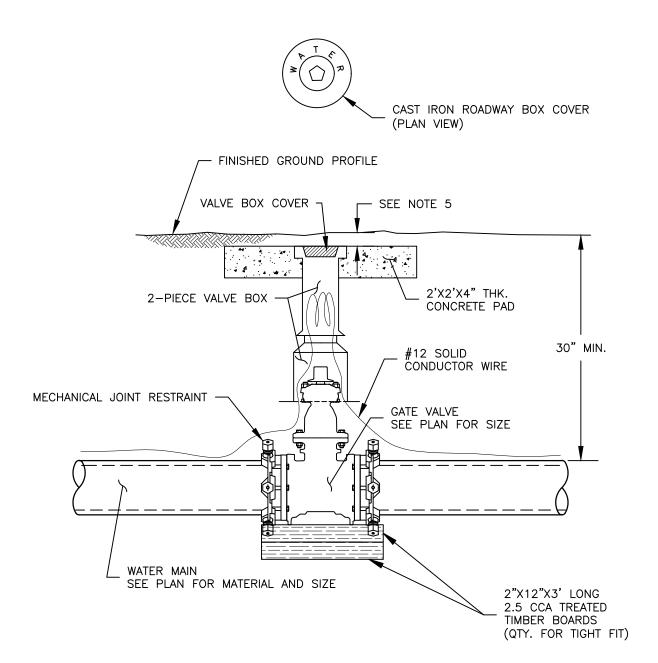


# HYDRANT ASSEMBLY REMOVAL DETAIL

N.T.S.

### **HYDRANT REMOVAL NOTES:**

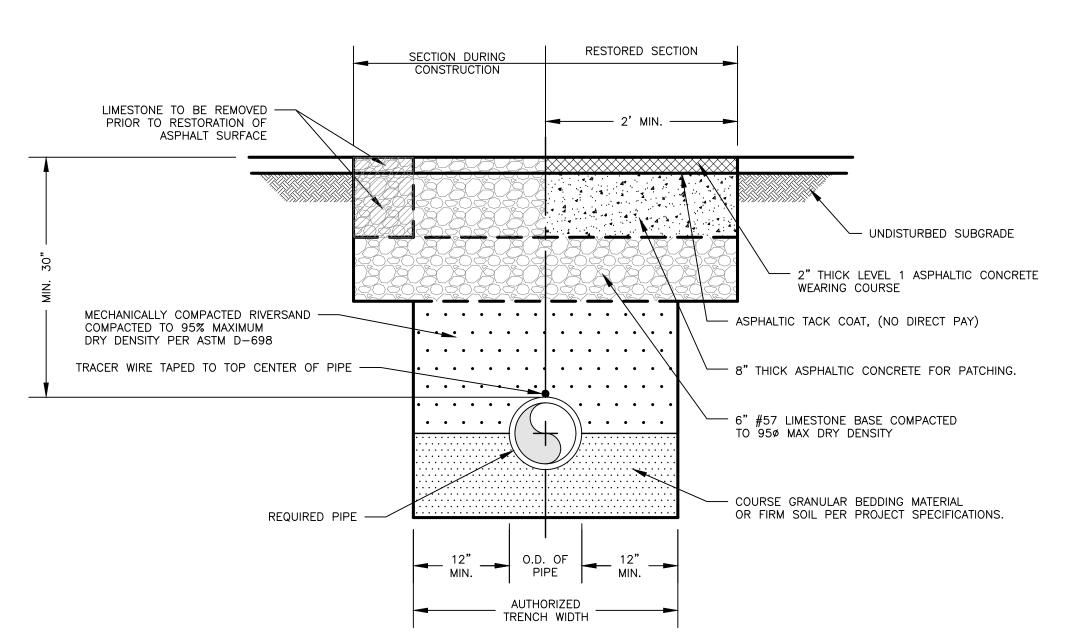
- FILL ALL HOLES FROM REMOVAL OF HYDRANT WITH IN-SITU SOIL AND ENSURE FINISHED
- GRADE IS LEVEL WITH SURROUNDING AREA. COORDINATE WITH OWNER TO DETERMINE WHETHER HYDRANT WILL BE RETAINED BY OWNER OR DISPOSED OF BY CONTRACTOR.



# TYPICAL DIRECT BURIAL VALVE SETTING

### VALVE NOTES:

- 1-NO.12 GAUGE SOLID CONDUCTOR WIRE SHALL BE INSTALLED W/ ALL PLASTIC PIPE AND SHALL BE COILED AT THE TOP OF EACH VALVE. TRACER WIRE TO BE BLUE FOR ALL WATER PIPE. COST OF TRACER WIRE SHOULD BE INCLUDED IN CONTRACTOR'S UNIT PRICE PER FOOT OF PIPE. CONTRACTOR SHALL TEST CONTINUITY PRIOR TO FINAL ACCEPTANCE. ANY DAMAGED AREAS SHALL BE CORRECTED UNTIL FULL CONTINUITY IS ACHIEVED.
- CONCRETE PAD NOT REQ'D WHEN VALVE BOX IS LOCATED IN ROADWAY, SIDEWALK, OR DRIVEWAY. GATE VALVE SHALL BE CAST IRON, RESILIENT SEATED, AWWA C509 OR D.I. BODY, RESILIENT SEATED,
- AWWA C515 VALVE, RATED FOR 250 PSIG WORKING PRESSURE. DIRECT BURIAL VALVES (AS SHOWN BELOW) SHALL HAVE MECHANICAL JOINT ENDS, NON-RISING STEM,
- O-RING SEALS, AND SQUARE WRENCH OPÉRATING NUT. 5. VERIFY REQUIRED DEPTH OF EACH VALVE BOX AND VALVE PAD WITH LPWD PERSONNEL.

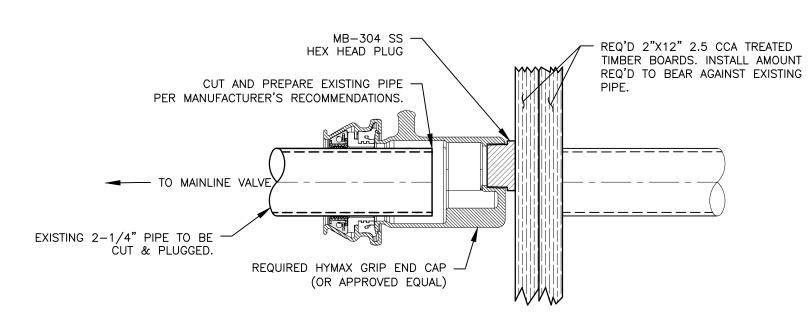


# TYPICAL TRENCH SECTION FOR OPEN CUTTING OF ASPHALT OR AGGREGATE SURFACE

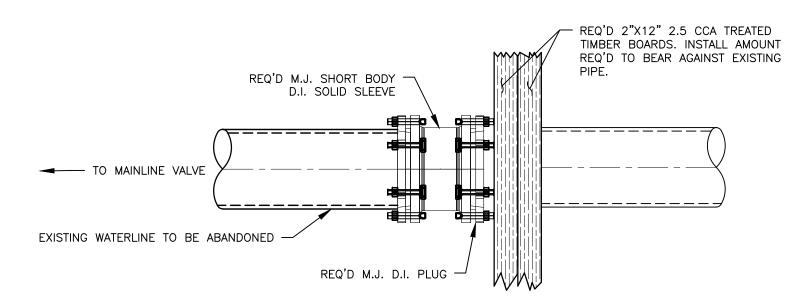
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## **ASPHALT PATCHING NOTES:**

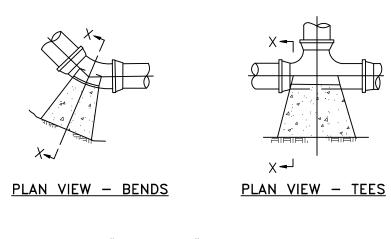
1. ALL COSTS ASSOCIATED WITH INSTALLATION OF SAND, LIMESTONE, AND ASPHALT SHALL BE INCLUDED IN BID PRICE FOR ASPHALT PAVING BID ITEM.

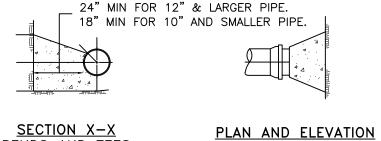


# 2-1/4" CUT AND PLUG DETAIL



4"-18" CUT AND PLUG DETAIL

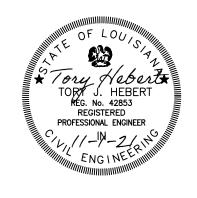




# CONCRETE THRUST BLOCK DETAILS

BENDS AND TEES

THRUS	ST BLOCK MII	N. SURFACE	BEARING AREA (FT²)
PIPE SIZE (IN INCHES)	90° BEND	45° BEND	VALVES, TEES, AND DEAD ENDS
4 AND SMALLER	2.60	1.42	1.85
6	5.40	2.90	3.80
8	9.30	5.00	6.50
10	13.90	7.55	10.85
12	19.70	10.80	13.90
16	34.00	18.60	24.20
20	52.20	28.40	37.00
24	74.30	40.40	52.70
30	114.10	62.00	80.80
36	163.40	88.70	115.60



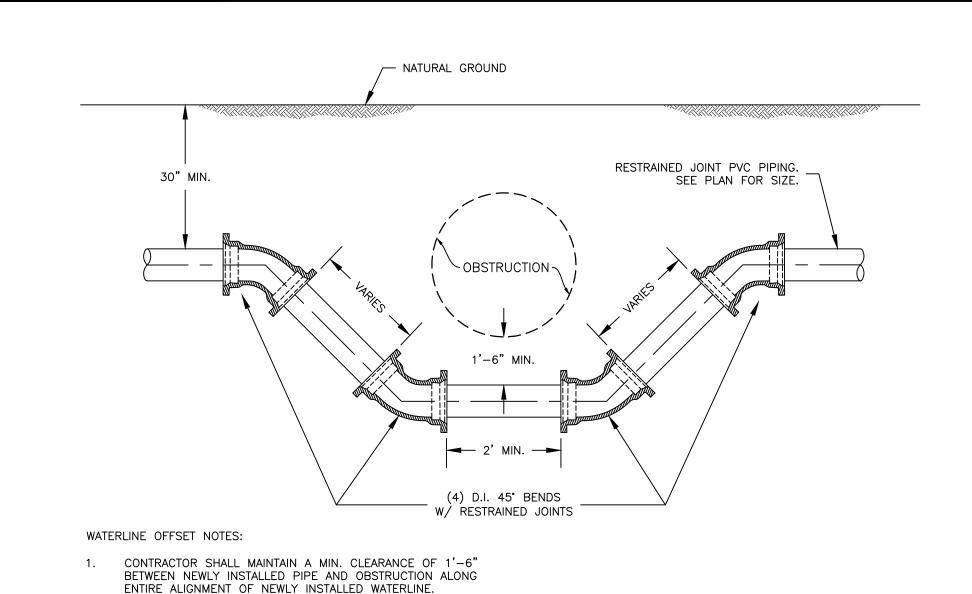
## General Notes

- 1. ALL PIPES, FITTINGS, VALVES, AND OTHER APPURTENCES INSTALLED AS PART OF THE WATER DISTRIBUTION SYSTEM SHALL ADHERE TO ALL REDUCED LEAD REQUIREMENTS AS SET FORTH IN LOUISIANA ACT 362.
- 2. ALL PIPES, FITTINGS, VALVES, AND OTHER APPURTENCES SHALL CONFORM TO THE APPLICABLE AWWA STANDARDS AS OUTLINED IN THE PROJECT SPECIFICATIONS.
- . ALLOWABLE LEAKAGE LIMITS SHALL BE AS OUTLINED IN THE PROJECT SPECIFICATIONS AND IN CONFORMITY WITH APPLICABLE AWWA STANDARDS FOR PIPING MATERIAL UTILIZED.
- 4. DISINFECTION OF WATER MAINS SHALL BE IN ACCORDANCE WITH AWWA C651 STANDARDS. 5. UPON COMPLETION OF DISINFECTION OF WATER MAINS, COORDINATE WITH LPWD STAFF FOR COLLECTION OF BACTERIOLOGICAL SAMPLES TO BE SUBMITTED TO STATE-CERTIFIED LABORATORY FOR TESTING IN ACCORDANCE WITH LAC 51:XII.245.
- 6. PROVIDE ADDITIONAL BLOCKING AS REQ'D TO ENSURE BLOCKS ARE IN CONTACT WITH FITTINGS, VALVES, OR OTHER APPURTANCES PRIOR TO BACKFILLING TRENCH.
- 7. ALL PIPING INSTALLATIONS MUST BE INSPECTED BY LPWD STAFF PRIOR TO BACKFILLING.

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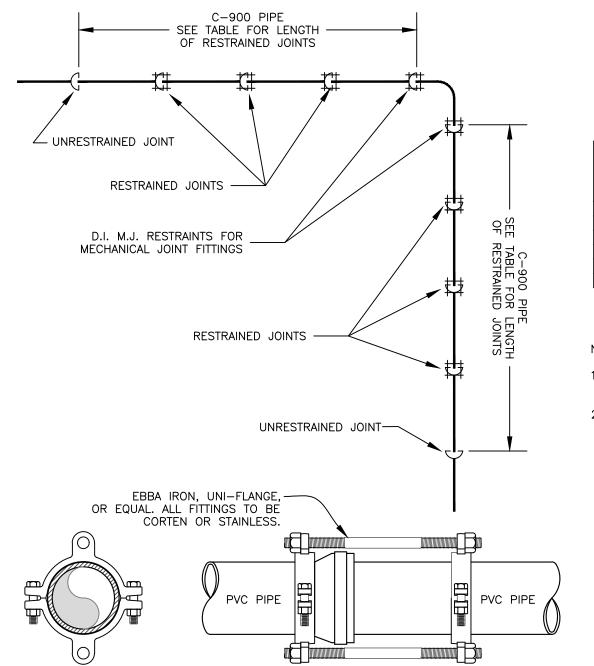
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WATER DISTRICT #1	Date:	1
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Sheet Name:	Scale:	1 OF 2
TYPICAL DETAILS	AS SHOWN	



# WATERLINE OFFSET DETAIL

N.T.S.



DUCTILE IRON FITTINGS & ADJOINING PIPE SHALL BE RESTRAINED AS DETAILED & BY MINIMUM LENGTH ON EACH SIDE OF FITTING AS CHARTED BELOW.

NOMINAL			FITTING	TYPE		
PIPE SIZE	11 1/4° ELBOW	22 1/2° ELBOW	45° ELBOW	90° ELBOW	TEE	DEAD END
4	3'	7'	14'	34'	34'	34'
6	3'	7'	14'	34'	34'	34'
8	4'	9,	18'	44'	44'	44'
10	5'	11'	22'	53'	53'	53'
12	6'	13'	26'	63'	63'	63'
18	9	18'	37'	90'	90'	90'

### NOTES:

RESTRAINED PIPE/FITTING DETAIL

- 1. TEE FITTING W/ PLUG SHALL BE USED IN LIEU OF 90° ELBOW FITTING AT 90° BENDS.
- RESTRAINTS SHALL BE AS FOLLOWS:

  MECHANICAL JOINT RESTRAINTS: EBBA IRON MEGALUG SERIES 1100 OR
- SERIES 2000 (OR APPROVED EQUAL).

PVC BELL RESTRAINT: EBBA IRON SERIES 1500 (OR APPROVED EQUAL).

CUSTOMER'S RESONSBULTY

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EXISTING CULVERT

REQ. SERVICE TUBING

REQ. SERVICE TUBING

REQ. SERVICE TUBING

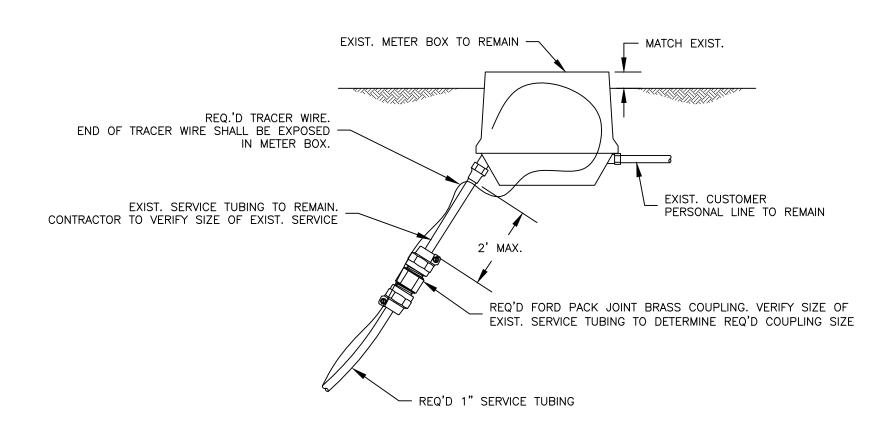
REQ. SERVICE TUBING

TYPICAL LONG SERVICE DETAIL

N.T.S.

TYPICAL SHORT SERVICE DETAIL

N.T.S.



SERVICE TRANSFER DETAIL FOR EXISTING SERVICE

OWNER-SUPPLIED METER BOX TO
BE INSTALLED BY CONTRACTOR

INSTALL 1" SERVICE
TUBING INTO METER BOX

OUTLET VALVE

REQ.'D TRACER WIRE.
END OF TRACER WIRE SHALL BE EXPOSED
IN METER BOX.

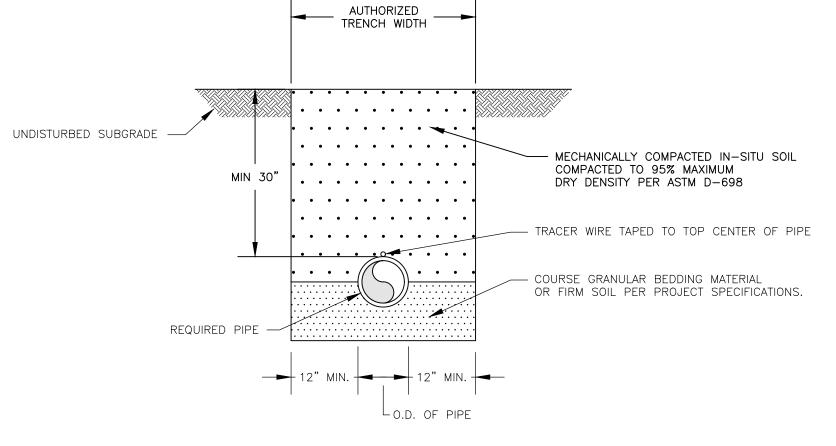
REQ'D 1" SERVICE TUBING

NEW SERVICE INSTALLATION DETAIL

N.T.S.

## SERVICE TRANSFER NOTES:

1. ANY DAMAGE TO CUSTOMER'S PERSONAL VALVE OR LINE AS A RESULT OF CONTRACTORS CONSTRUCTION ACTIVITY WILL BE REPAIRED AT NO COST TO THE OWNER OR CUSTOMER.

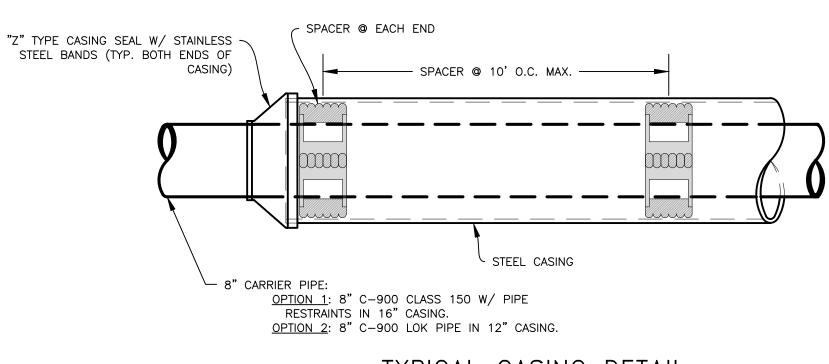


# TYPICAL WATERLINE TRENCH SECTION

N.T.S.

TRENCHING NOTES:

1. TRENCH SHORING TO BE IN COMPLIANCE WITH OSHA 29 CFR PART 1926.



# TYPICAL CASING DETAIL N.T.S.

CASING NOTE:

 CASING SPACERS, SEALS, RESTRAINTS, ETC. SHALL BE INCLUDED IN LINEAR FEET PRICE FOR ITEM "TUNNELING WITH CASING."



## General Notes

DISTRIBUTION SYSTEM SHALL ADHERE TO ALL REDUCED LEAD REQUIREMENTS AS SET FORTH IN LOUISIANA ACT 362.

1. ALL PIPES, FITTINGS, VALVES, AND OTHER APPURTENCES INSTALLED AS PART OF THE WATER

- 2. ALL PIPES, FITTINGS, VALVES, AND OTHER APPURTENCES SHALL CONFORM TO THE APPLICABLE
- AWWA STANDARDS AS OUTLINED IN THE PROJECT SPECIFICATIONS.

  3. ALLOWABLE LEAKAGE LIMITS SHALL BE AS OUTLINED IN THE PROJECT SPECIFICATIONS AND IN CONFORMITY WITH APPLICABLE AWWA STANDARDS FOR PIPING MATERIAL UTILIZED.
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  7. ALL PIPING INSTALLATIONS MUST BE INSPECTED BY LPWD STAFF PRIOR TO BACKFILLING.

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TYPICAL DETAILS