



ST. TAMMANY PARISH

MICHAEL B. COOPER
PARISH PRESIDENT

December 1, 2023

Please find the following addendum to the below-mentioned BID.

Addendum No.: 1

Bid#: 23-50-2

Project Name: Cross Gates Water System Well Improvements

Bid Due Date: January 9, 2024

GENERAL INFORMATION:

1. Please remove Notice to Bidders from the package and replace it with Notice to Bidders-Revised (Attached).
2. Contractors with only Municipal & Public Works licenses shall be required to submit their list of subs with a water well drilling license with their bid or the bid will be considered non-responsive.
3. Please remove Section 13 – Plans and replace it with Section 13- Plans – Revised (Attached).

ATTACHMENTS:

1. Notice to Bidders-Revised.pdf

2. Section 13 – Plans - Revised.pdf

End of Addendum # 1



ST. TAMMANY PARISH

MICHAEL B. COOPER
PARISH PRESIDENT

NOTICE TO BIDDERS-REVISED

ST. TAMMANY PARISH

Sealed bids will be received by the Department of Procurement, until 2:00 p.m., **Tuesday, January 9, 2024**, and then opened and read publicly at that time by the Procurement Staff for the following project:

Bid # 23-50-2 - Cross Gates Water System Well Improvements

Each paper bid must be submitted in a sealed envelope. The outside of the envelope shall show the Name and Address of the Bidder, the State Contractor's License Number of the Bidder (if the work is estimated at \$50k or more), the Bid Name and the Bid Number.

The project classification is:

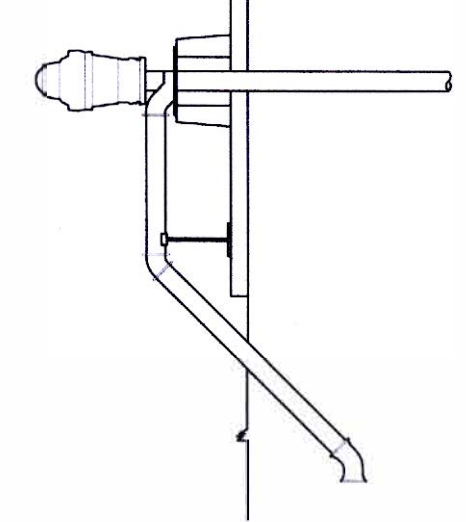
Municipal & Public Work Construction

This bid package is available online at www.bidexpress.com or LaPAC <https://wwwcfprd.doa.louisiana.gov/osp/lapac/pubmain.cfm>. It is the Vendor's responsibility to check Bid Express, or LaPAC frequently for any possible addenda that may be issued. The Parish is not responsible for a Vendor's failure to download any addenda documents required to complete a submission.

Bids will be received at 21454 Koop Dr., Suite 2F, Mandeville, LA 70471 from each bidder or his agent and given a written receipt, by certified mail with return receipt requested, or electronically at www.bidexpress.com.

The Non-Mandatory pre-bid meeting will be held at St. Tammany Parish Government Office Complex, Building "B" 21454 Koop Dr. Mandeville, LA 70471, 3rd Floor Staff Conference Room on Thursday, December 14, 2023, from 2:00 PM to 3:00 PM.

Procurement Department

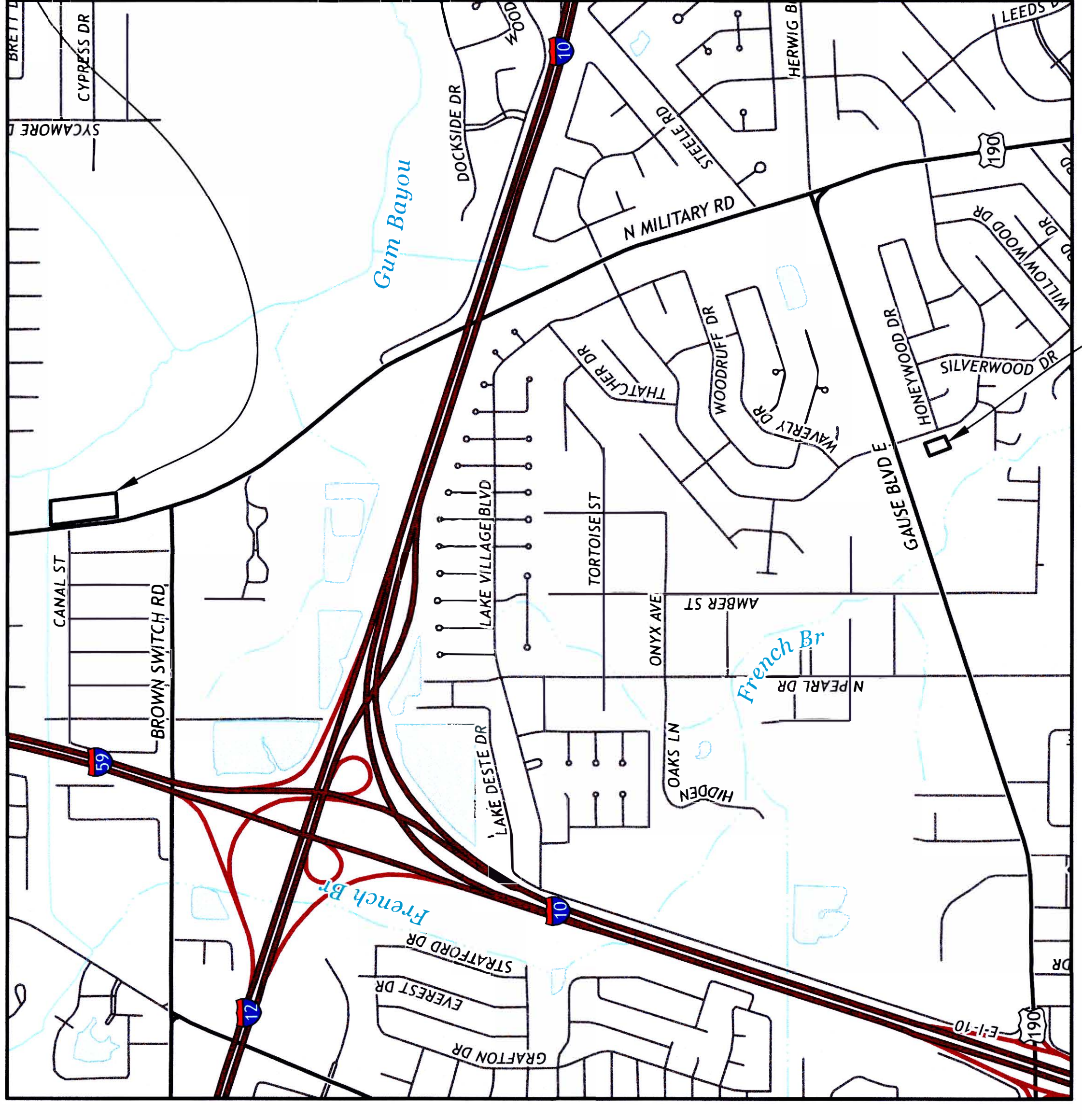


INDEX TO SHEETS

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1	TITLE SHEET, LOCATION MAP
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4	OZONE PINES SITE PLAN (NEW WELL)
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6	OZONE PINES GRADING PLAN (NEW WELL)
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10	WATER WELL DETAILS

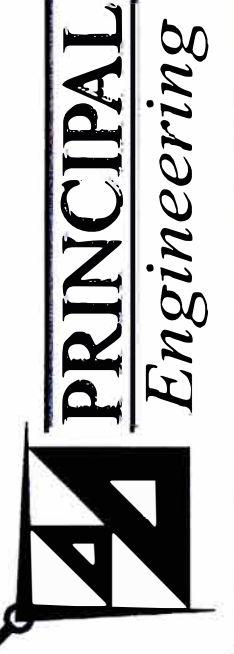
**ST TAMMANY PARISH GOVERNMENT
DEPARTMENT OF UTILITIES
CROSS GATES WATER SYSTEM
WELL IMPROVEMENTS**

**CROSS GATES WATER TOWER #1; TU22000204
CROSS GATES WATER TOWER #2; TU22000209
NOVEMBER 2023
BID NO. 23-50-2**

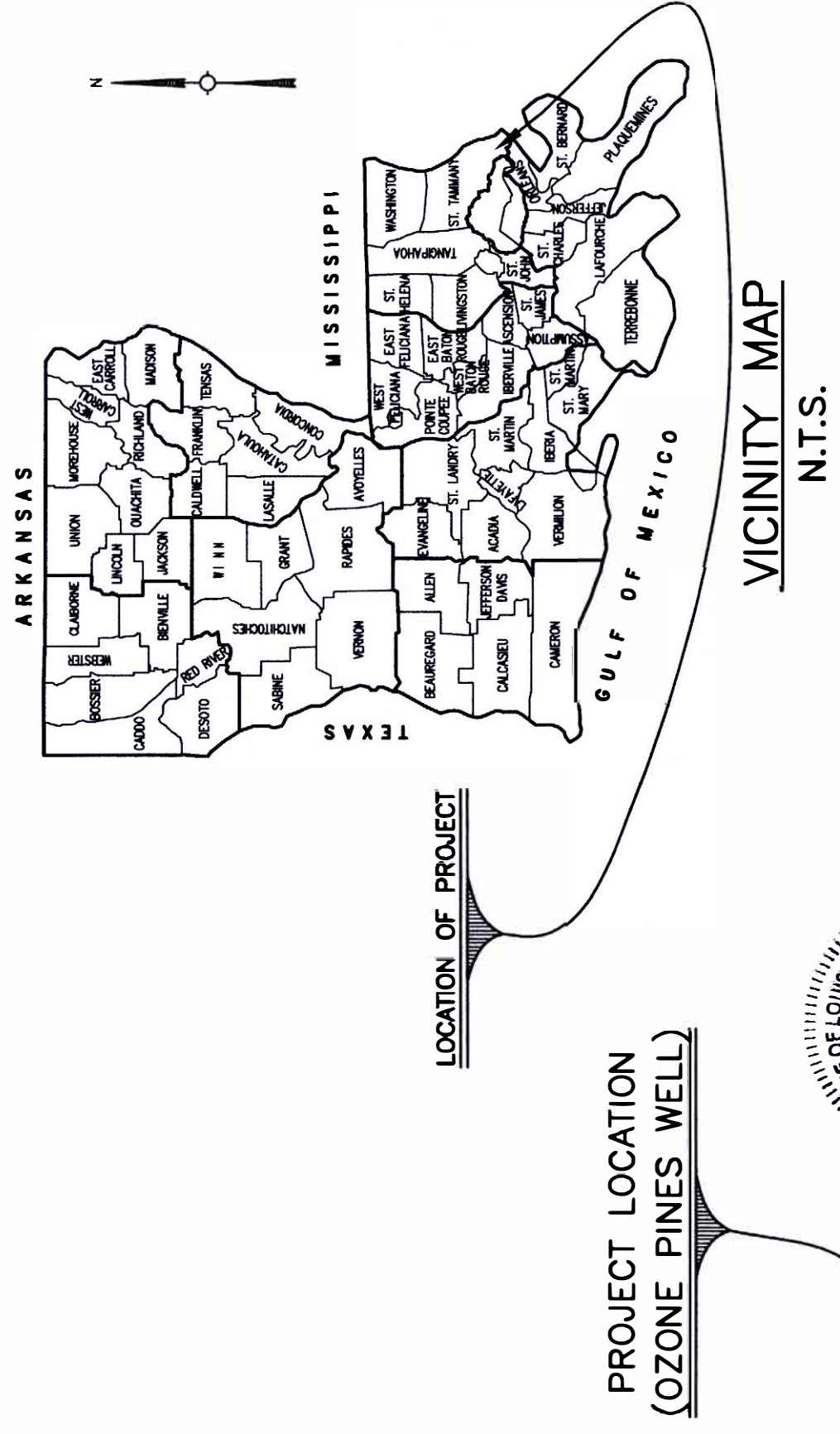


LOCATION MAP
SCALE: 1 INCH = 1000 FEET

THE 2016 EDITION OF THE LOUISIANA DOTD STANDARD SPECIFICATION FOR ROADS AND BRIDGES, AS AMENDED BY THE PROJECT SPECIFICATIONS, SHALL GOVERN THIS PROJECT.



CLASSIFICATION: MUNICIPAL & PUBLIC WORKS CONSTRUCTION



VICINITY MAP
N.T.S.



PLANS PREPARED BY AND RECOMMENDED FOR APPROVAL:

Andre C. Monnot
PRINCIPAL ENGINEERING, INC.
FIRM LICENSE NO. 3168
ANDRE C. MONNOT, P.E.
VICE PRESIDENT
DATE: 11/27/23

ACCEPTED FOR CONSTRUCTION BY:

Christopher P. Tissue
DEPARTMENT OF UTILITIES
CHRISTOPHER P. TISSUE, P.E.
DIRECTOR
DATE: 11/27/23

PARISH PRESIDENT
HON. MIKE COOPER

COUNCIL MEMBERS

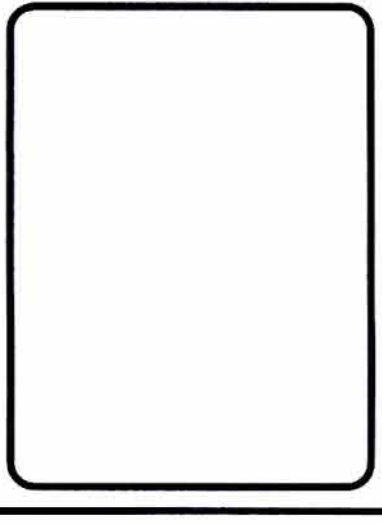
MARTY DEAN	DISTRICT I
DAVID FITZGERALD	DISTRICT II
MARTHA CAZAUBON	DISTRICT III
MICHAEL LORINO JR	DISTRICT IV
RYKERT TOLEDANO JR	DISTRICT V
CHERYL TANNER	DISTRICT VI - VICE CHAIRMAN
JAMES J. DAVIS	DISTRICT VII
CHRIS CANULETTE	DISTRICT VIII
MIKE SMITH	DISTRICT IX
MAUREEN "MO" O'BRIEN	DISTRICT X
ARTHUR LAUGHLIN	DISTRICT XI
JERRY BINDER	DISTRICT XII
JAKE AIREY	DISTRICT XIII - CHAIRMAN
RONALD RANDOLPH	DISTRICT XIV



DEPT. OF UTILITIES
ST. TAMMANY PARISH
GOVERNMENT
620 N. TYLER STREET
COVINGTON, LA 70433

No.	DESCRIPTION OF REVISION	DATE

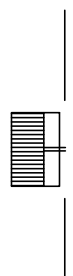

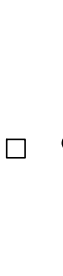


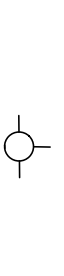
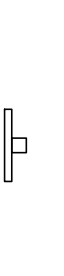


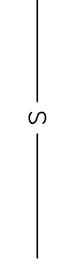


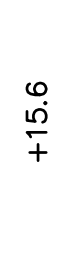
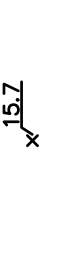
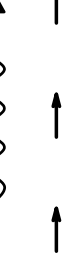






DESIGNED BY: ACM
DRAWN BY: LMR
CHECKED BY: TMS
SUBMITTED BY: PRINCIPAL ENG
PROJECT No.: TU22000204
ISSUE DATE: NOV 2023
APPROVED BY: ---
SHEET SIZE: ANSI D
SCALE:



CROSS GATES WATER SYSTEM
WELL IMPROVEMENTS
SIDEELL, LOUISIANA
PROJECT No.: TU22000204
TITLE SHEET

SHEET NO.
1
SHEET 1 OF 10

LEGEND:

	CATCH BASIN
	POWER POLE
	COLUMN/POST
	TREE
	IRON ROD SET
	UTILITY BOX
	FIRE HYDRANT
	WATER SYMBOL
	DRAIN LINE
	FENCE LINE
	OVERHEAD ELECTRIC
	SEWER LINE
	WATER LINE
	SERVITUDE
	RIGHT OF WAY/PROPERTY LINE
	EXST. GRADE
	REQU'D GRADE
	SURFACE FLOW
	SWALE
	SEWER CLEANOUT
	TELEPHONE RISER

ABBREVIATIONS

RCP	REINFORCED CONCRETE PIPE
OMP	CORRUGATED METAL PIPE
INV	INVERT
HDPE	HIGH DENSITY POLYETHYLENE
P/L	PROPERTY LINE
PVC	POLYVINYL CHLORIDE PIPE
OMPA	CORRUGATED METAL ARCH PIPE
RCPA	REINFORCED CONCRETE ARCH PIPE
W.L.	WATER LINE
G.V.	GATE VALVE
T.C.	TOP OF CASTING
U.E.	UNDERGROUND ELECTRIC
BFP	BACK FLOW PREVENTER
D.I.	DUCTILE IRON
PCC	PORTLAND CEMENT CONCRETE

GENERAL NOTES:

- ALL ELEVATIONS SHOWN ON THE PLANS ARE NAVD(88).
- NOISE CONTROL – CONTRACTOR SHALL TAKE REASONABLE MEASURES TO PREVENT UNNECESSARY NOISE 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.
- DUST CONTROL – CONTRACTOR SHALL TAKE REASONABLE MEASURES TO PREVENT UNNECESSARY DUST. EACH SURFACE SUBJECT TO DUSTING SHALL BE KEPT MOIST WITH WATER OR BY APPLICATION OF CHEMICAL DUST SUPPRESSANT AS OFTEN AS REQUIRED TO MINIMIZE DUST. DUSTY MATERIALS IN PILES OR IN TRANSIT SHALL BE COVERED TO PREVENT DUST.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR LAYING OUT THE WORK AND VERIFYING ALL MEASUREMENTS AND GRADES PRIOR TO BEGINNING OF CONSTRUCTION. PROJECT VERTICAL AND HORIZONTAL CONTROLS HAVE BEEN INDICATED ON THE PLANS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH BASE LINE AND ADDITIONAL T.B.M.'S BEFORE DESTROYING REFERENCED MONUMENTS/NAIWS/CROSS CUTS, ETC.
- ANY DISCREPANCIES DISCOVERED ON THE PLANS OR DRAWINGS, OR BETWEEN THE PLANS AND SPECIFICATIONS, SHALL BE REPORTED TO THE ENGINEER BEFORE ANY WORK BEGINS. FAILURE TO DO SO MAY RESULT IN THE REMOVAL OF RECENT WORK AT NO ADDITIONAL COST TO THE OWNER AND SUCH ERRORS SHALL NOT BE AUTOMATIC GROUNDS FOR CONTRACT MODIFICATION. UPON THE DISCOVERY OF DISCREPANCIES BETWEEN REQUIREMENTS WITHIN THE PROJECT PLANS AND SPECIFICATIONS, THE ENGINEER RESERVES THE RIGHT TO ENFORCE UP TO THE MOST STRINGENT REQUIREMENTS AS HE DEEMS NECESSARY FOR THE SUCCESS OF THE PROJECT.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL OSHA STANDARDS FOR EXCAVATION AND TRENCHING SAFETY ARE IMPLEMENTED AT ALL TIMES DURING ANY AND ALL EXCAVATION AND TRENCHING OPERATIONS.
- LOCATION OF EXISTING UTILITIES SHOWN ON PLANS ARE APPROXIMATE ONLY. ADDITIONALLY, THERE MAY BE UTILITIES PRESENT NOT SHOWN ON THESE PLANS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE HORIZONTAL AND VERTICAL LOCATION AND DEPTH OF ALL EXISTING UTILITIES THAT WILL AFFECT THE PROPOSED WORK BEFORE CONSTRUCTION. CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES.
- THE CONTRACTOR SHALL PROTECT TREES, SHRUBBERY, SOD AND OTHER VEGETATION, NOT SPECIFIED FOR REMOVAL BY DRAWINGS OR SPECIFICATIONS, AND SHALL REPAIR OR REPLACE SUCH ITEMS AS ARE DAMAGED DURING CONSTRUCTION OF THE PROJECT WITH THE SAME TYPES AND QUALITY AS THOSE THAT ARE DAMAGED. SUCH REPAIR OR REPLACEMENT SHALL BE TO THE SATISFACTION OF THE ENGINEER AND THE OWNER OF THE PROPERTY INVOLVED, AND SHALL BE AT NO COST TO THE OWNER.
- THE CONTRACTOR SHALL CONTACT ALL PUBLIC AND PRIVATE UTILITIES AND LOUISIANA ONE CALL AT LEAST FOUR (4) WORKING DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION AROUND THEIR RESPECTIVE UTILITIES. UNDERGROUND UTILITIES ARE EXISTING AND WILL REMAIN IN THE CONSTRUCTION AREA. THE EXISTING UTILITY LOCATIONS ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY. BEFORE ANY EXCAVATION, THE CONTRACTOR SHALL CALL LOUISIANA ONE CALL FOR FURTHER LOCATION OF UTILITIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE INTEGRITY OF THE SLOPES AND ADJOINING AREAS THAT ARE OUTSIDE THE LIMITS OF CONSTRUCTION.
- MATERIAL NOT DESIRED TO BE RETAINED BY ST. TAMMANY PARISH SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF OFF SITE IN A LEGAL AND LAWFUL MANNER.
- CONTRACTOR SHALL MAINTAIN NORMAL HOURS OF OPERATION DUE TO PROXIMITY OF RESIDENCES. NORMAL HOURS OF OPERATION ARE FROM 7:00 AM TO 6:00 PM MONDAY THROUGH FRIDAY.
- THE CONTRACTOR SHALL PROTECT THE EXISTING UTILITIES BY PROVIDING ADEQUATE SUPPORT AND BRACING DURING INSTALLATION OF NEW UTILITIES UNDER THOSE EXISTING LINES. CONTRACTOR WILL BE RESPONSIBLE FOR REPAIRING OR REPLACING THE EXISTING LINES IF DAMAGED AT NO COST TO THE OWNER.
- THE CONTRACTOR SHALL NOT RESTRICT DRAINAGE FLOW DURING RAIN EVENTS. CONTRACTOR TO ENSURE THAT CONSTRUCTION OPERATIONS OR THE TEMPORARY EROSION CONTROL AT THE OUTFALL STRUCTURES DOES NOT CAUSE A RESTRICTION IN FLOW WHICH COULD RESULT IN FLOODING.
- INSTALLATION, MEASUREMENT, AND PAYMENT FOR ALL QUANTITIES SHALL BE IN ACCORDANCE WITH CONTRACT SPECIFICATIONS.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR REGULAR CLEANUP OF THE CONSTRUCTION AREA AND PROPER DISPOSAL OF ANY DEBRIS/MATERIAL REMOVED FROM THE SITE AT A MINIMUM, CLEAN UP WILL BE PERFORMED DAILY.

COORDINATION OF WORK:

- CONTRACTOR SHALL COORDINATE AND COOPERATE WITH OTHER CONTRACTORS EMPLOYED BY THE OWNER. CONSTRUCTION OF ELEVATED WATER STORAGE TANKS AND CONSTRUCTION OF WELL, CONTROLS, AND BUILDING BY THREE SEPARATE CONTRACTORS COMBINE TO COMPLETE TWO INTEGRATED, FUNCTIONING WATER PRODUCTION SITES. CONSTRUCTION OF OZONE PINES WATER DISTRIBUTION SYSTEM IS BY FOURTH CONTRACTOR.
- ORDER OF OPERATIONS (CONTRACT CALENDAR DAYS FROM NTP)

- THE NOTICES TO PROCEED FOR THE DIFFERENT PROJECTS ARE NOT SIMULTANEOUS.

WILLOW WOOD:

TANK CONTRACTOR FIRST CONSTRUCTS WILLOW WOOD TANK AND TIE-IN PIPING. ELEVATED TANK IS DISINFECTED, CONNECTED TO SYSTEM, AND ENTERS SERVICE. SUBSTANTIAL COMPLETION DUE BY DAY 441.

WELL CONTRACTOR BEGINS WORK UPON COMPLETION OF WILLOW WOOD TANK. WELL AND HYDRO-PNEUMATIC TANK ARE REMOVED FROM SERVICE. ELEVATED TANK REMAINS IN SERVICE, CONNECTED TO DISTRIBUTION SYSTEM.

BUILDING CONTRACTOR IS REQUIRED TO BEGIN WORK FOLLOWING COMPLETION OF THE WELL IMPROVEMENTS. SUBSTANTIAL COMPLETION IS REQUIRED 434 DAYS FROM THE NOTICE TO PROCEED FOR THIS CONTRACT.

STARTUP AND COMMISSIONING AT WILLOW WOOD SHALL BE CONDUCTED WITH JOINT PARTICIPATION BY TANK AND BUILDING CONTRACTOR.

OZONE PINES:

TANK CONTRACTOR SEQUENCES FOUNDATION CONSTRUCTION, STEEL ERECTION, ETC. FROM WILLOW WOOD TO OZONE PINES. TANK CONTRACT SUBSTANTIAL COMPLETION DUE BY DAY 553. TANK MAY REMAIN OUT OF SERVICE AT INITIAL COMPLETION, UNTIL DISTRIBUTION PIPING COMPLETION BY DISTRIBUTION CONTRACTOR.

WELL CONTRACTOR COMPLETES NEW WELL CONSTRUCTION, THEN COMPLETES REMAINING WORK. WELL CONTRACT SUBSTANTIAL COMPLETION IS DUE BY DAY 546.

TANK, WELL, AND BUILDING CONTRACTORS SHALL OPERATE SIMULTANEOUSLY AT OZONE PINES SITE WITHIN LIMITS SHOWN ON THE DRAWINGS.

BUILDING CONTRACTOR BEGINS WORK FOLLOWING SUBSTANTIAL COMPLETION OF THE NEW WELL. AS NOTED ABOVE, SUBSTANTIAL COMPLETION IS REQUIRED 434 DAYS FROM THE NOTICE TO PROCEED.

STARTUP AND COMMISSIONING AT OZONE PINES SHALL BE CONDUCTED WITH JOINT PARTICIPATION BY TANK AND BUILDING CONTRACTOR.

CODE COMPLIANCE:

- THIS IS A DRINKING WATER PROJECT. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LOUISIANA SANITARY CODE PROVISIONS (LAC TITLE 51, PART XII), REQUIREMENTS INCORPORATED BY REFERENCE THEREIN, AND THE PROJECT DOCUMENTS.
- CONTRACTOR SHALL COMPLY WITH AND CONSTRUCT THE WATER WELL IN ACCORDANCE WITH LAC TITLE 56, PART 1, AND THE PROJECT DOCUMENTS.
- ALL EQUIPMENT, COATINGS, LININGS, OR MATERIAL IN CONTACT WITH DRINKING WATER SHALL BE NSF 61 APPROVED.
- CONTRACTOR SHALL COMPLY WITH ALL ST. TAMMANY PARISH CODES AND ORDINANCES.
- AWWA STANDARDS:
 - ALL WORK SHALL CONFORM TO APPLICABLE AWWA STANDARDS.

LADOTD DISTRICT 62 CONTACT LIST

DEPARTMENT	CONTACT	TELEPHONE
PERMITTING	ERNEST MATHERNE	(985) 375-0130

UTILITY CONTACT LIST

UTILITY	OWNER	CONTACT	TELEPHONE
WATER	ST TAMMANY PARISH	FIELD OPERATIONS SUPERVISOR	(985) 893-1717
SEWER	ST TAMMANY PARISH	FIELD OPERATIONS SUPERVISOR	(985) 893-1717
ELECTRIC	CLECO	TAYLOR CREECH	(985) 867-4635
ELECTRIC	WASHINGTON-ST. TAMMANY	HERB GORNOR	(985) 643-6612
GAS	ATMOS	JEFFREY RAIFORD	(985) 729-0993
STREET/DRAINAGE	ST. TAMMANY PARISH DPW	KEVIN DAVID	(985) 848-2557
COMMUNICATION	CHARTER	KEVIN DAVID	(985) 285-4702
COMMUNICATION	A&T	STEVE BERGERON	(985) 327-6432

CROSS GATES WATER SYSTEM
WELL IMPROVEMENTS
SLIDELL, LOUISIANA
PROJECT No.: TU22000204
GENERAL NOTES & LEGEND

SHEET NO.

2

SHEET 2 OF 10

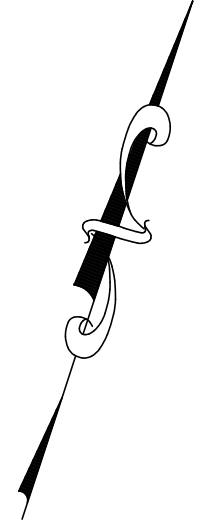


DEPT. OF UTILITIES
ST. TAMMANY PARISH
GOVERNMENT
620 N. TYLER STREET
COVINGTON, LA 70433

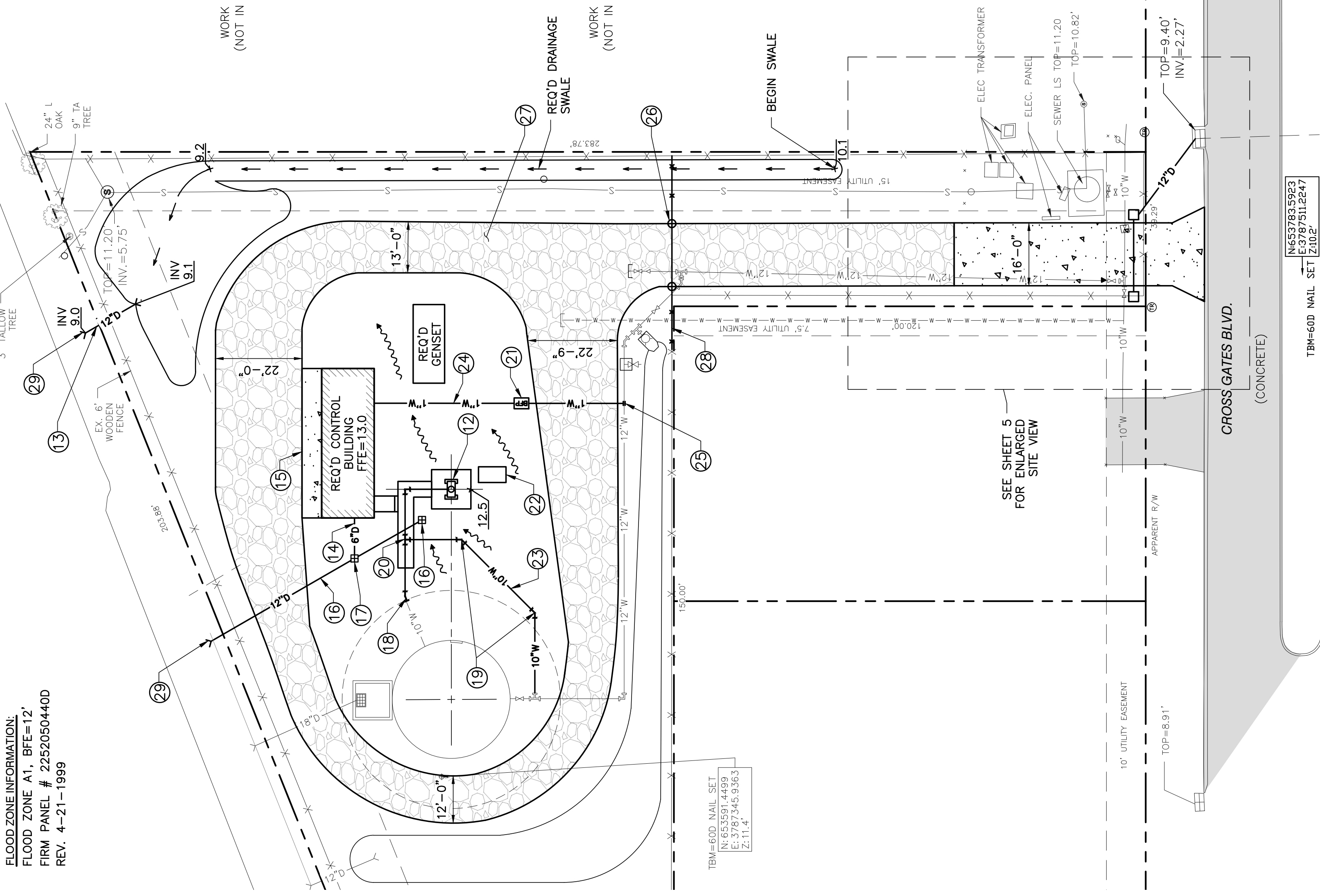
No.	DESCRIPTION OF REVISION	DATE:

DESIGNED BY: ACM	DRAWN BY: LMR	CHECKED BY: TMS	SUBMITTED BY: PRINCIPAL ENG	PROJECT No.: TU22000204	ISSUE DATE: NOV 2023	APPROVED BY: ---	SHEET SIZE: ---	SCALE: ---





FLOOD ZONE INFORMATION:
 FLOOD ZONE A1, BFE=12'
 FIRM PANEL # 2252050400
 REV. 4-21-1999



- DEMOLITION PLAN KEYNOTES:**
- 1 REMOVE WELL MOTOR, PUMP, CASING, DRAIN, CONCRETE STAND, AND APRON, (SEE SHEET 10)
 - 2 REMOVE EX. 8" TALLOW TREE
 - 3 REMOVE EX. STRUCTURES
 - 4 REMOVE EX. 8" PVC DRAIN AND DROP INLET
 - 5 REPLACE EX. TRANSFORMERS
 - 6 REMOVE ALL EX. PIPE/FITTINGS
 - 7 REMOVE EX. GENSSET AND FOUNDATION
 - 8 REMOVE EX. 6" WATER LINE
 - 9 CAP EX. 12" LINE
 - 10 REMOVE EX. 12" TALLOW TREE
 - 11 REMOVE EX. STONE, PLACED BY TANK CONTRACTOR
- WORK BY OTHERS (NOT IN CONTRACT)**
- SITE PLAN KEYNOTES:**
- 12 REQ'D WELL-HEAD AND CASING EXTENSION (SEE SHEET 10)
 - 13 REQ'D 16 LF 12" RCP
 - 14 REQ'D 6" PVC DRAIN
 - 15 REQ'D 5" PCC APRON (6" THICK)
 - 16 REQ'D 12" RCP DRAINLINE
 - 17 REQ'D DROP INLET
 - 18 REQ'D 10" 22.5' BEND
 - 19 REQ'D 10" 45' BEND (2)
 - 20 REQ'D 10"x10"x10" TEE
 - 21 REQ'D BACKFLOW PREVENTER
 - 22 REQ'D TRANSFORMER
 - 23 REQ'D 10" PVC WATER LINE (C900 DR 16)
 - 24 REQ'D 1" WATER SERVICE
 - 25 REQ'D STAINLESS STEEL TAPPING SADDLE AND BANDS, ROMAC OR EQUAL
 - 26 REQ'D 6'x18" LONG WOODEN ROLLER GATE
 - 27 REQ'D AGGREGATE SURFACE DRIVE
 - 28 REQ'D 6" WOODEN FENCE
 - 29 FLAP GATE, HANSON MODEL A



DEPT. OF UTILITIES
 ST. TAMMANY PARISH
 GOVERNMENT
 620 N. TYLER STREET
 COVINGTON, LA 70433

No.	DESCRIPTION OF REVISION	DATE:

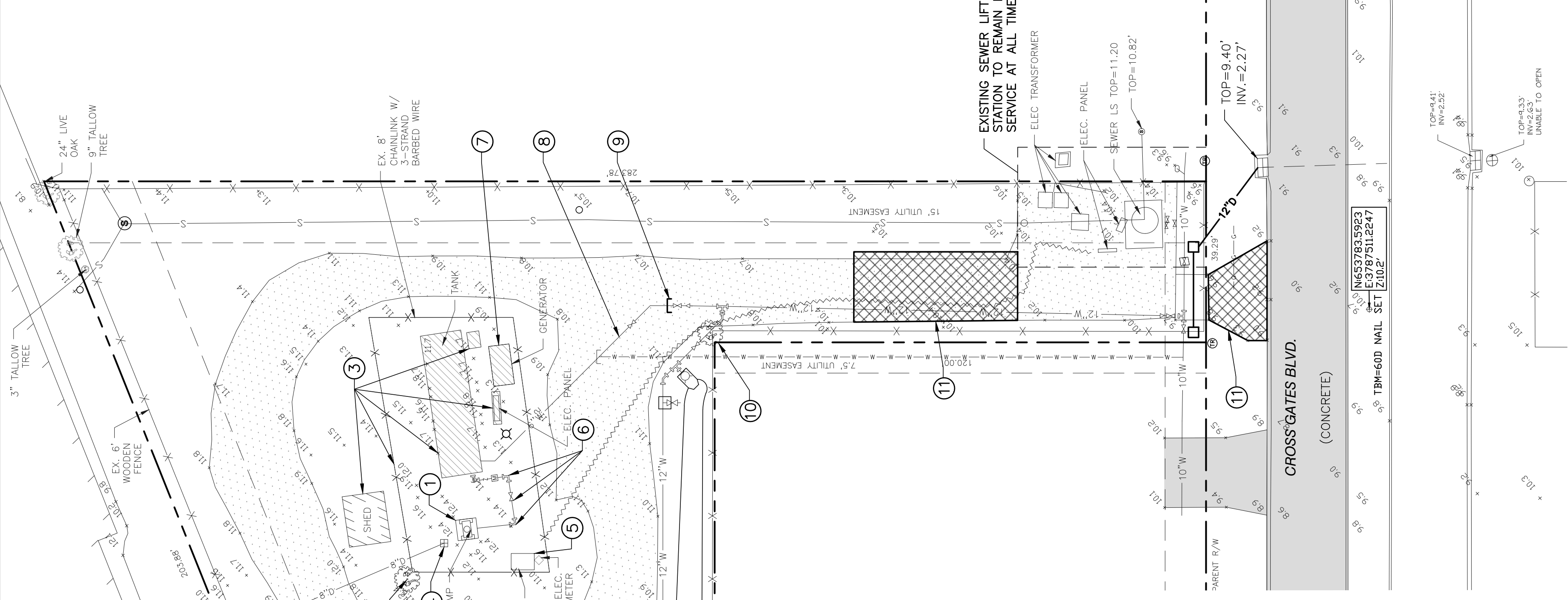
DESIGNED BY: ACM	PROJECT No.: TU22000204	ISSUE DATE: NOV 2023	SHEET SIZE: ANSI D
CHECKED BY: TMS	APPROVED BY: ---		
DRAWN BY: LMR			

STATE OF LOUISIANA
 ANDRE C. MONNOT
 License No. 33626
 PROFESSIONAL ENGINEER
 IN
 CIVIL ENGINEERING
 11/28/2023

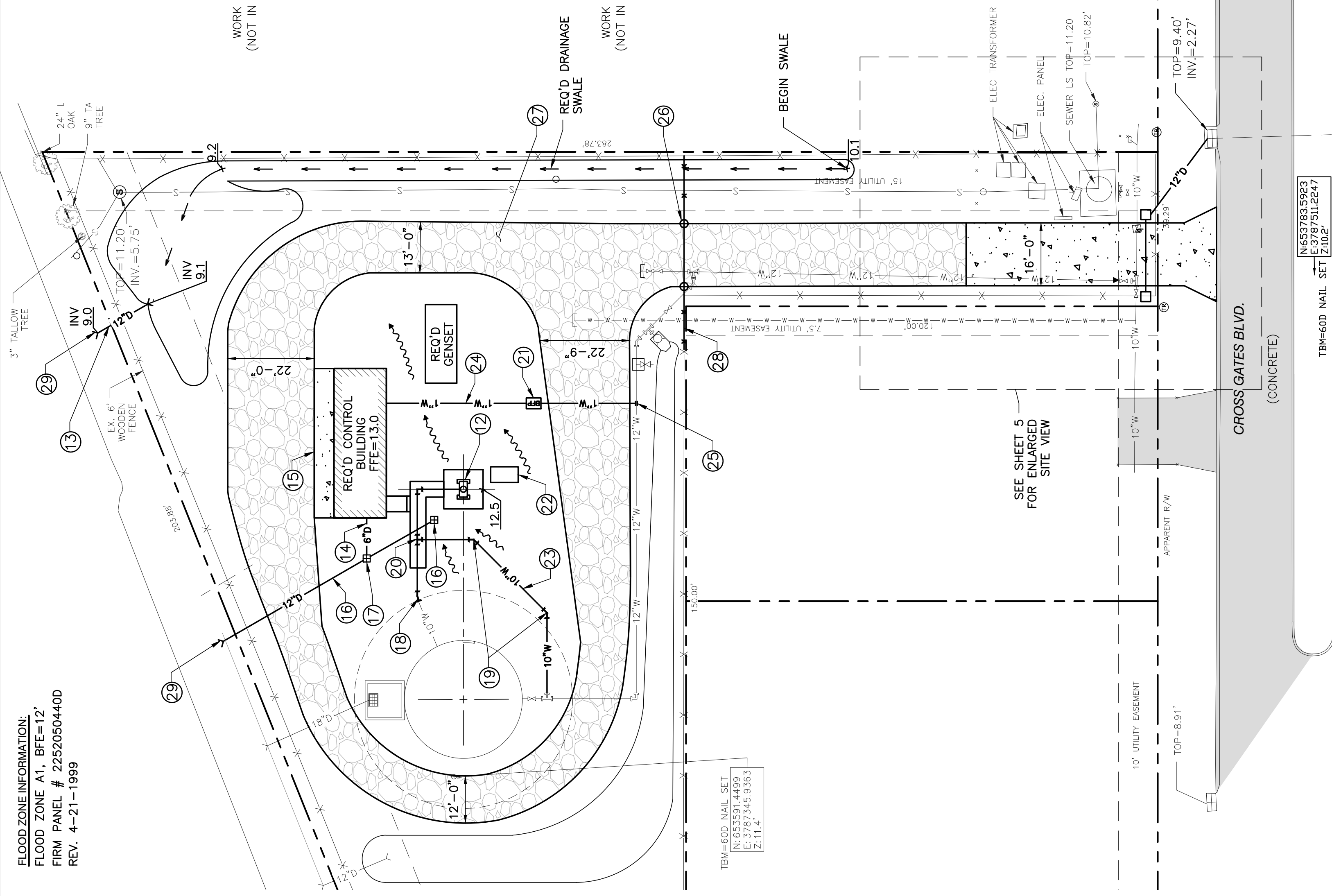
CROSS GATES WATER SYSTEM
 WELL IMPROVEMENTS
 SLIDELL, LOUISIANA
 PROJECT No.: TU22000204
 WILLOW WOOD SITE PLAN
 (WELL UPGRADE)

SHEET NO. 3
 SHEET 3 OF 10

- NOTES:**
1. COORDINATE FLOW TEST, DEMOLITION AND UPGRADE OF EXISTING WELL-HEAD WITH OWNER AND OTHER CONTRACTOR.
 2. CONTRACTOR SHALL REMOVE AND DELIVER THE FOLLOWING EXISTING EQUIPMENT TO A LOCATION DESIGNATED BY THE OWNER (CONTRACTOR SHALL PAY SPECIAL ATTENTION AS TO NOT DAMAGE THE ITEMS DURING REMOVAL AND DELIVERY):
 - WELL PUMP
 - MOTOR



FLOOD ZONE INFORMATION:
 FLOOD ZONE A1, BFE=12'
 FIRM PANEL # 2252050400
 REV. 4-21-1999



- DEMOLITION PLAN KEYNOTES:**
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 ST. TAMMANY PARISH
 GOVERNMENT
 620 N. TYLER STREET
 COVINGTON, LA 70433

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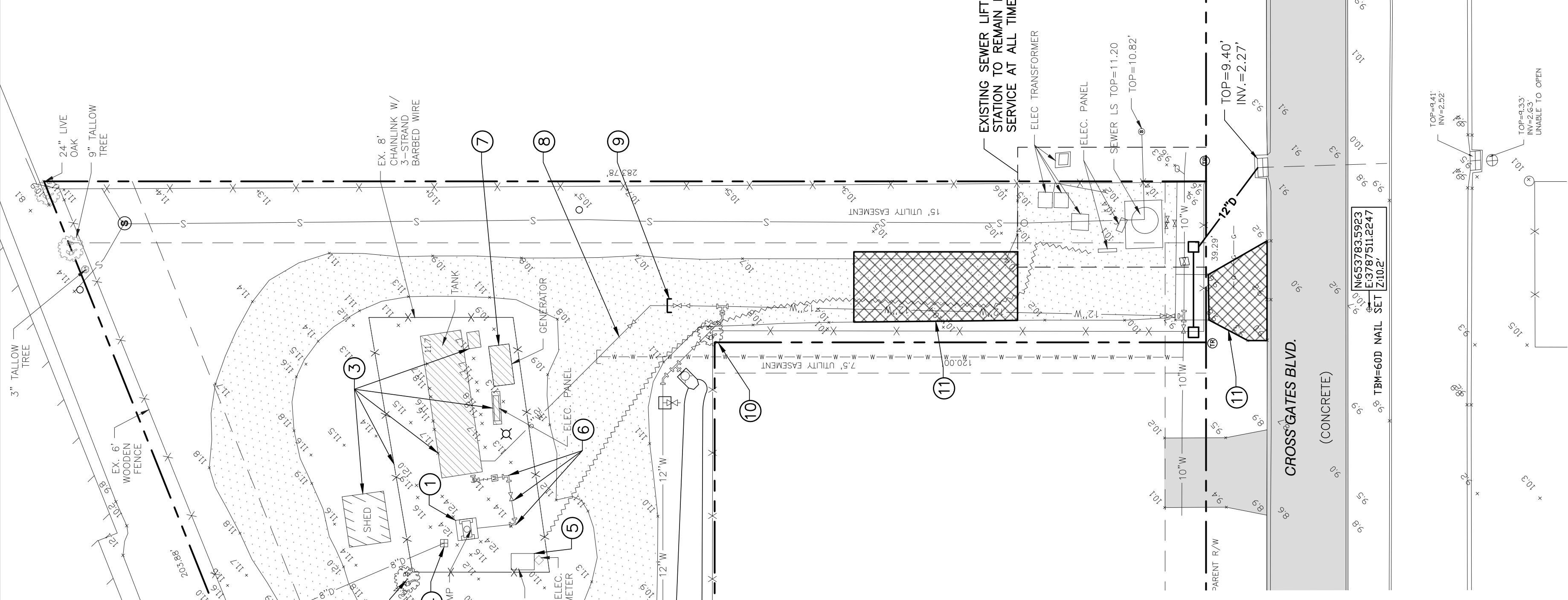
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CHECKED BY: TMS	APPROVED BY: ---		
DRAWN BY: LMR			

STATE OF LOUISIANA
 ANDRE C. MONNOT
 License No. 33626
 PROFESSIONAL ENGINEER
 IN
 CIVIL ENGINEERING
 11/28/2023

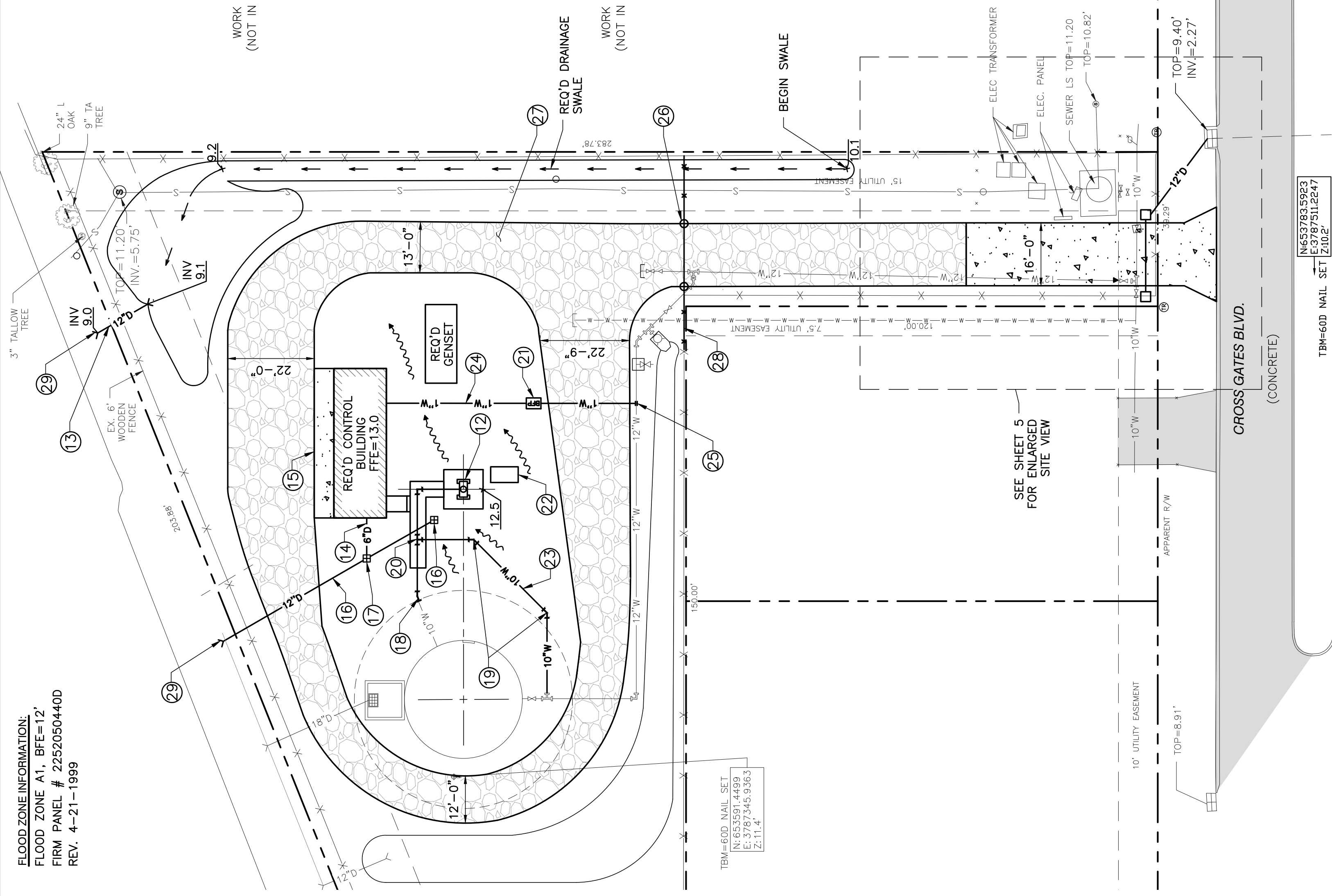
CROSS GATES WATER SYSTEM
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 SLIDELL, LOUISIANA
 PROJECT No.: TU22000204
 WILLOW WOOD SITE PLAN
 (WELL UPGRADE)

SHEET NO. 3
 SHEET 3 OF 10

- NOTES:**
1. COORDINATE FLOW TEST, DEMOLITION AND UPGRADE OF EXISTING WELL-HEAD WITH OWNER AND OTHER CONTRACTOR.
 2. CONTRACTOR SHALL REMOVE AND DELIVER THE FOLLOWING EXISTING EQUIPMENT TO A LOCATION DESIGNATED BY THE OWNER (CONTRACTOR SHALL PAY SPECIAL ATTENTION AS TO NOT DAMAGE THE ITEMS DURING REMOVAL AND DELIVERY):
 - WELL PUMP
 - MOTOR



FLOOD ZONE INFORMATION:
 FLOOD ZONE A1, BFE=12'
 FIRM PANEL # 2252050400
 REV. 4-21-1999



- DEMOLITION PLAN KEYNOTES:**
- 1 REMOVE WELL MOTOR, PUMP, CASING, DRAIN, CONCRETE STAND, AND APRON, (SEE SHEET 10)
 - 2 REMOVE EX. 8" TALLOW TREE
 - 3 REMOVE EX. STRUCTURES
 - 4 REMOVE EX. 8" PVC DRAIN AND DROP INLET
 - 5 REPLACE EX. TRANSFORMERS
 - 6 REMOVE ALL EX. PIPE/FITTINGS
 - 7 REMOVE EX. GENSSET AND FOUNDATION
 - 8 REMOVE EX. 6" WATER LINE
 - 9 CAP EX. 12" LINE
 - 10 REMOVE EX. 12" TALLOW TREE
 - 11 REMOVE EX. STONE, PLACED BY TANK CONTRACTOR
- WORK BY OTHERS (NOT IN CONTRACT)**
- SITE PLAN KEYNOTES:**
- 12 REQ'D WELL-HEAD AND CASING EXTENSION (SEE SHEET 10)
 - 13 REQ'D 16 LF 12" RCP
 - 14 REQ'D 6" PVC DRAIN
 - 15 REQ'D 5" PCC APRON (6" THICK)
 - 16 REQ'D 12" RCP DRAINLINE
 - 17 REQ'D DROP INLET
 - 18 REQ'D 10" 22.5' BEND
 - 19 REQ'D 10" 45' BEND (2)
 - 20 REQ'D 10"x10"x10" TEE
 - 21 REQ'D BACKFLOW PREVENTER
 - 22 REQ'D TRANSFORMER
 - 23 REQ'D 10" PVC WATER LINE (C900 DR 16)
 - 24 REQ'D 1" WATER SERVICE
 - 25 REQ'D STAINLESS STEEL TAPPING SADDLE AND BANDS, ROMAC OR EQUAL
 - 26 REQ'D 6'x18" LONG WOODEN ROLLER GATE
 - 27 REQ'D AGGREGATE SURFACE DRIVE
 - 28 REQ'D 6" WOODEN FENCE
 - 29 FLAP GATE, HANSON MODEL A



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 GOVERNMENT
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 COVINGTON, LA 70433

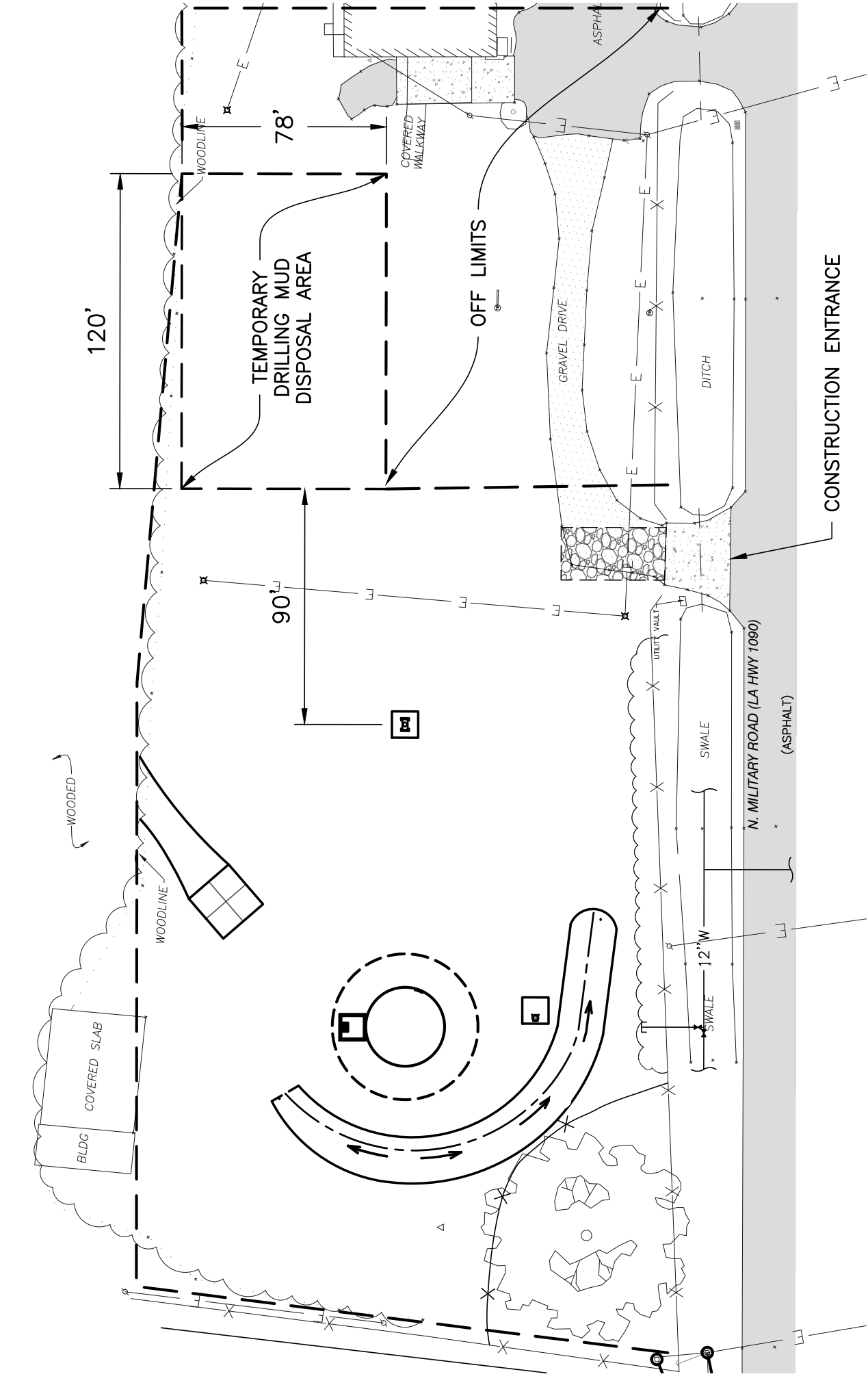
No.	DESCRIPTION OF REVISION	DATE:

DESIGNED BY: ACM	PROJECT No.: TU22000204	ISSUE DATE: NOV 2023	SHEET SIZE: ANSI D
CHECKED BY: TMS	APPROVED BY: ---		
DRAWN BY: LMR			

STATE OF LOUISIANA
 ANDRE C. MONNOT
 License No. 33626
 PROFESSIONAL ENGINEER
 IN
 CIVIL ENGINEERING
 11/28/2023

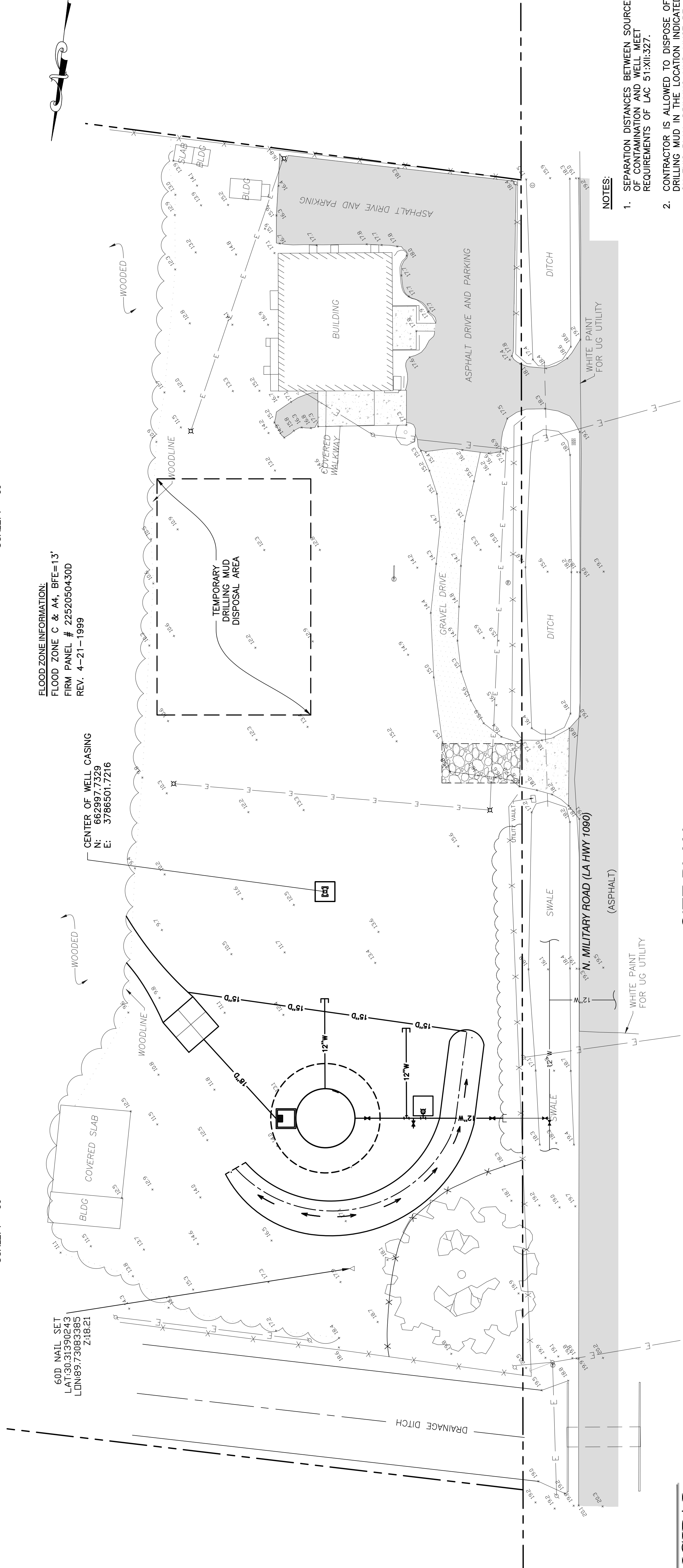
CROSS GATES WATER SYSTEM
 WELL IMPROVEMENTS
 SLIDELL, LOUISIANA
 PROJECT No.: TU22000204
 WILLOW WOOD SITE PLAN
 (WELL UPGRADE)

SHEET NO. 3
 SHEET 3 OF 10



**LIMITS OF WORK
(AFTER TANK COMPLETION)**

SCALE: 1" = 50'

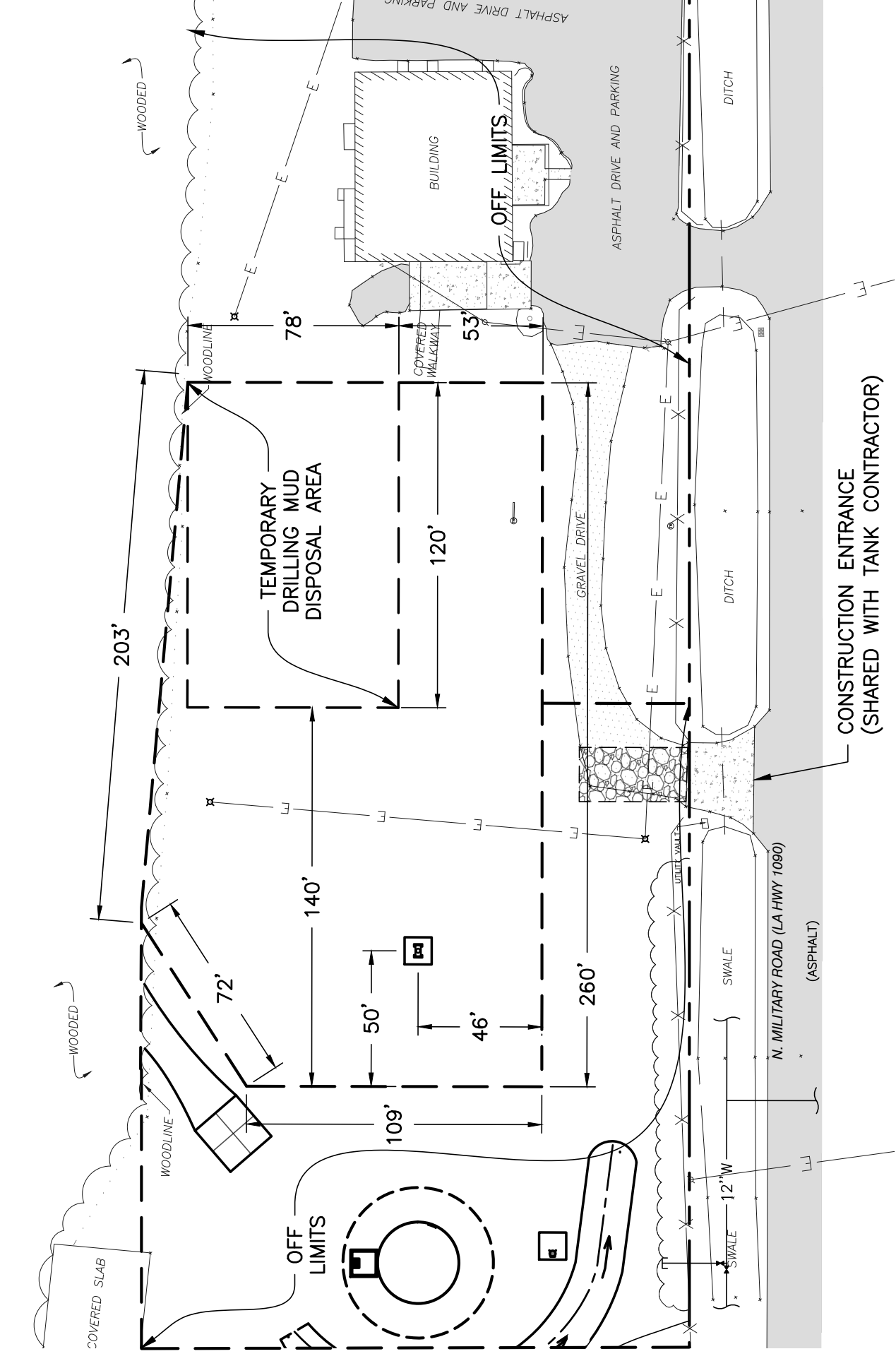


FLOOD ZONE INFORMATION:
FLOOD ZONE C & A4, BFE=13'
FIRM PANEL # 22520504300
REV. 4-21-1999

CENTER OF WELL CASING
N: 662997.7329
E: 3786501.7216

**LIMITS OF WORK
(PRIOR TO TANK COMPLETION)**

SCALE: 1" = 50'

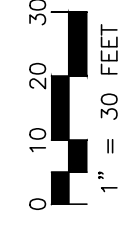


**LIMITS OF WORK
(PRIOR TO TANK COMPLETION)**

SCALE: 1" = 50'



SITE PLAN
SCALE: 1" = 30'



- NOTES:**
- SEPARATION DISTANCES BETWEEN SOURCES OF CONTAMINATION AND WELLS MUST MEET REQUIREMENTS OF LAC 51:XXI.327.
 - CONTRACTOR IS ALLOWED TO DISPOSE OF DRILLING MUD IN THE LOCATION INDICATED ON THIS PLAN. DRILLING MUD MUST BE REMOVED AND EXCAVATED IN ACCORDANCE WITH DISPOSAL AREA CROSS SECTIONS PRIOR TO SUBSTANTIAL COMPLETION.

CROSS GATES WATER SYSTEM
WELL IMPROVEMENTS
SLIDELL, LOUISIANA
PROJECT No.: TU22000204
OZONE PINES SITE PLAN
(NEW WELL)

STATE OF LOUISIANA
ANDRE C. MONNOT
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DESIGNED BY:	ACM
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CHECKED BY:	TMS
SUBMITTED BY:	PRINCIPAL ENG
PROJECT No.:	TU22000204
ISSUE DATE:	NOV 2023
APPROVED BY:	---
SHEET SIZE:	ANSI D
SCALE:	---

No.	DESCRIPTION OF REVISION	DATE:

SHEET NO.
4
SHEET 4 OF 10



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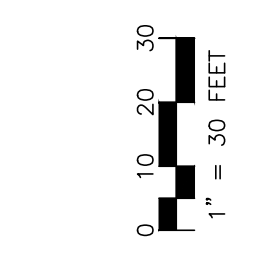
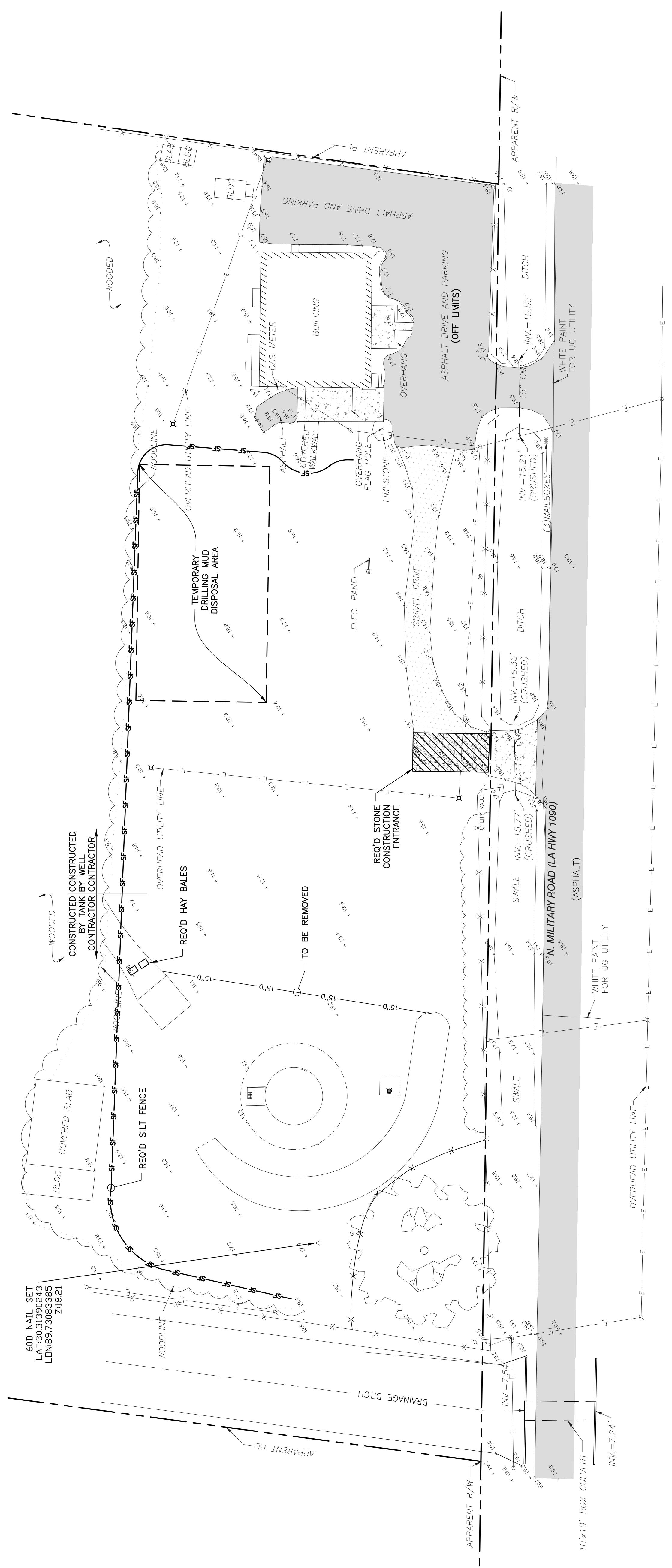
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CROSS GATES WATER SYSTEM
WELL IMPROVEMENTS
SLIDELL, LOUISIANA
PROJECT No.: TU22000204
OZONE PINES EROSION CONTROL
PLAN (NEW WELL)

SHEET NO. 5
SHEET 5 OF 10

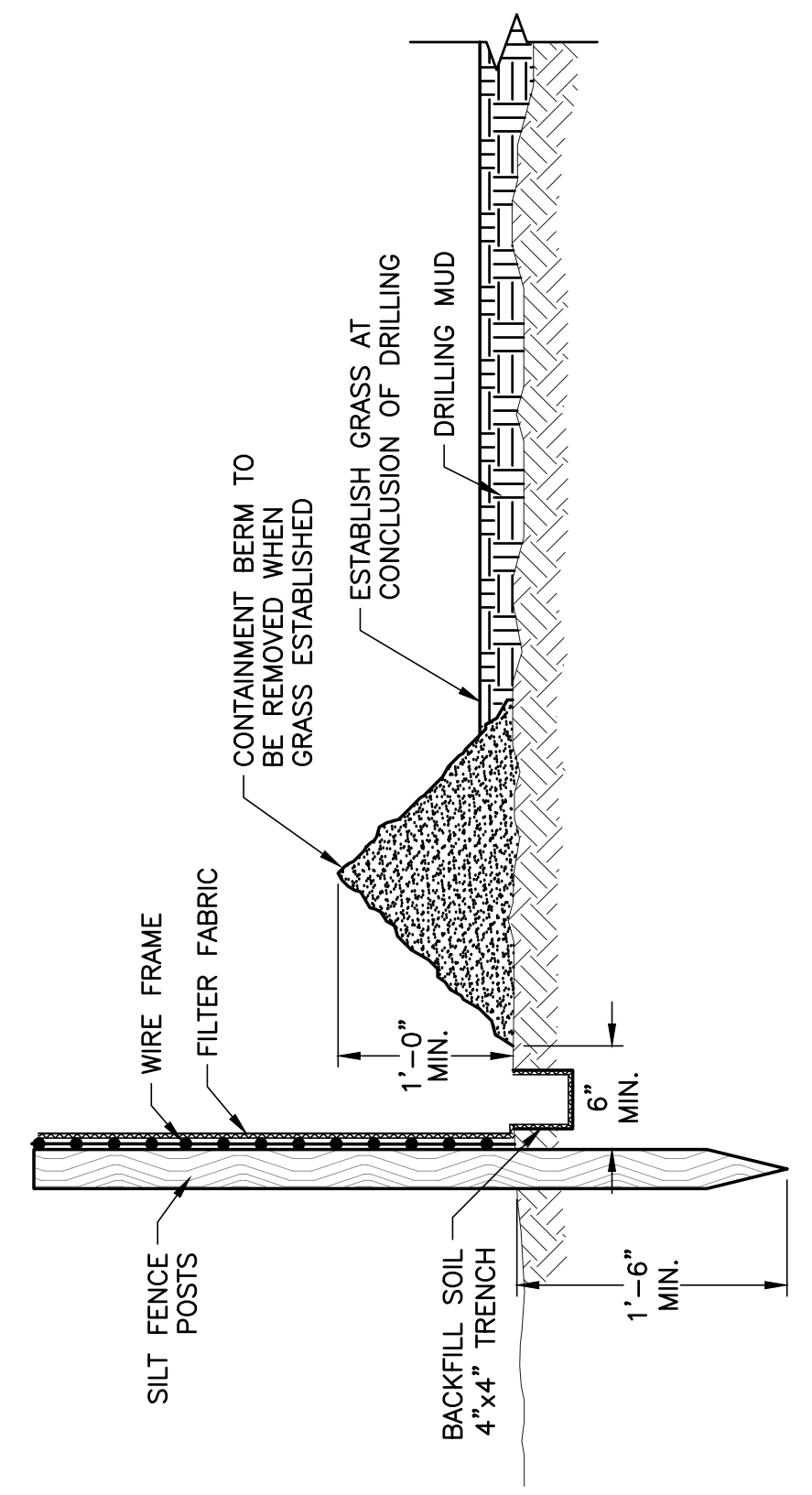


EROSION CONTROL PLAN
SCALE: 1"=30'

- NOTES:**
1. WELL CONTRACTOR SHALL CONSTRUCT TEMPORARY STONE CONSTRUCTION ENTRANCE WHERE INDICATED ON THIS PLAN AND AS REQUIRED ON EC-01. STONE ENTRANCE SHALL REMAIN AFTER PROJECT COMPLETION.
 2. WELL CONTRACTOR TO MAINTAIN SILT FENCE AND STONE CONSTRUCTION ENTRANCE ESTABLISHED BY TANK CONTRACTOR FOR PROJECT DURATION.
 3. BLDG CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF STONE CONSTRUCTION ENTRANCE AT PROJECT COMPLETION.
 4. REFER TO EC-01 STANDARD PLANS FOR EROSION CONTROL DETAILS.

LEGEND:

—S—	SILT FENCE
□□□	HAY BALES
▨▨▨	CONSTRUCTION ENTRANCE



MUD DISPOSAL AREA SECTION
SCALE: N.T.S.

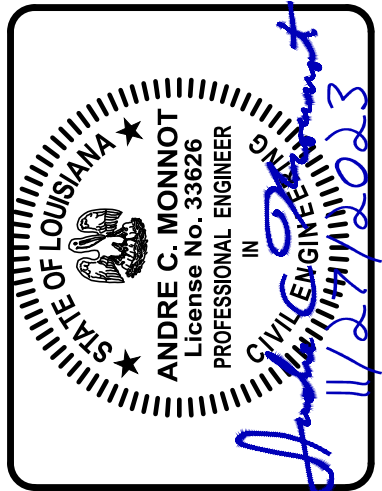




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CROSS GATES WATER SYSTEM
WELL IMPROVEMENTS
SLIDELL, LOUISIANA
PROJECT No.: TU22000204
WATER WELL DETAILS

SHEET NO.
10
SHEET 10 OF 10

- NOTES:**
- ALL WORK SHALL COMPLY WITH ANWA A100-20, AS AMENDED BY THE CONTRACT DOCUMENTS.
 - OZONE PINES WATER WELL SCOPE OF WORK: PROVIDE MUNICIPAL WATER WELL COMPLETE AND USABLE. UNDER THE PRICES BID, CONTRACTOR SHALL COMPLETE A TEST BOREHOLE, CONDUCT TESTING TO IDENTIFY POTENTIAL PRODUCTION ACQUIFER STRATA, COLLECT AND ANALYZE WATER SAMPLES AT POTENTIAL ACQUIFER DEPTHS, SUBMIT TEST RESULTS AND RECOMMENDATIONS FOR APPROVAL, CONSTRUCT AND DEVELOP A TEST WELL AT SELECTED DEPTH, PERFORM TEST WELL CHEMICAL ANALYSIS, SUBMIT TEST WATER RESULTS AND RECOMMENDATIONS, COMPLETE THE PRODUCTION WELL, PERFORM OPERATIONAL PUMP TEST, DISINFECT, SUBMIT TEST RESULTS AND RECOMMENDATIONS, SUBMIT EQUIPMENT SELECTION FOR APPROVAL, AND COMPLETE WELL HEAD CONSTRUCTION IN ACCORDANCE WITH THE DRAWINGS. SEE SPECIFICATIONS.
 - WILLOW WOOD WATER WELL SCOPE OF WORK: MODIFY EXISTING MUNICIPAL WATER WELL AS SHOWN, COMPLETE AND USABLE. UNDER THE PRICES BID, CONTRACTOR SHALL REMOVE EXISTING PUMP, PIPING, CONCRETE BASE, CASING, DRAIN PIPE, EXISTING CASING, PERFORM OPERATIONAL PUMP TEST, DRAIN PIPE, EXISTING CASING, PERFORM OPERATIONAL PUMP TEST, EQUIPMENT SELECTION, SUBMIT APPROVAL AND COMPLETE WELL HEAD CONSTRUCTION IN ACCORDANCE WITH THE DRAWINGS. SEE SPECIFICATIONS.
 - LINESHAFT TURBINE PUMP SHALL BE MULTI-STAGE WATER LUBRICATED, CAST IRON IMPELLER BOWL AND DISCHARGE BODY ASTM A53 STEEL COLUMN, 416 STAINLESS STEEL SHAFT, WITH SILICON BRONZE IMPELLERS AND BEARING RETAINERS. STRAINER SHALL BE OF STAINLESS STEEL. LINESHAFT BEARINGS SHALL BE EPDM. PUMP SHALL BE GOULDS OR EQUAL.

- CASING DEPTH, SCREENED DEPTHS, SCREEN SLOT SIZE, AND SCREEN LENGTH ARE BASIS OF BID. PROJECT VALUES SHALL BE CONFIRMED BY WELL BOREHOLE TESTING, GRAIN SIZE ANALYSIS, AND TEST WELL. ADJUSTMENT IN UNIT PRICE ITEM QUANTITIES SHALL BE MADE, AND EQUITABLE ADJUSTMENT IN LUMP SUM PRICES BID WILL BE MADE FOR CHANGES REQUIRED.
- SCREEN SHALL BE STAINLESS STEEL SCREEN PRE-PACKED WITH SYNTHETIC FILTER MEDIA, JOHNSON SCREENS MUNI-PAK, OR EQUAL. DIAMETER AND LENGTH SHALL BE CHECKED AGAINST REQUIRED SLOT SIZE, TO YIELD NO LESS THAN 2,000 GPM WITH A SCREEN WATER VELOCITY LESS THAN 0.1 FT/S.

WELL PUMP DATA

NUMBER OF PUMPS	WILLOW WOOD	OZONE PINES
TAG NUMBER	MP-01-WW	MP-01-OP
PUMP TYPE	LINESHAFT TURBINE	LINESHAFT TURBINE
PUMP COLUMN DIA., IN.	6	10
PUMP COLUMN HT., FT.*	40	60
PUMP FLOW, GPM	500	1000
TDH, FT.*	165	187
MOTOR SIZE, HP*	40	100
MOTOR SPEED, RPM	1800	1800
VOLTAGE, V	460	460
POWER	3PH, 60HZ	3PH, 60HZ

*VALUES ARE BASIS OF BID, AND SHALL BE CONFIRMED OR MODIFIED AFTER WELL PUMP TEST.

SCREEN DATA (OZONE PINES)

REQ'D SCREEN CAPACITY (GPM)	2000
INNER DIAMETER (IN)	10
SLOT (IN)*	0.02
LENGTH (FT)*	100
OPENING/FT (IN ²)*	74
SCREEN VELOCITY (FT/S)*	0.087

*VALUES ARE BASIS OF BID, AND SHALL BE CONFIRMED OR MODIFIED AFTER BOREHOLE TESTING AND SIEVE ANALYSIS.

- DISINFECTION OF WELLS SHALL BE ACCORDING TO ANWA C654.
- PRIOR TO PLACEMENT IN SERVICE, THE WELLS SHALL BE SAMPLED FOR THE NATIONAL PRIMARY DRINKING WATER CONTAMINANTS, AND FOR TOTAL COLIFORM.

