

PLANS FOR CONSTRUCTION OF WATER PRODUCTION SYSTEM IMPROVEMENTS, WELL NO. 5 FOR THE BELAH FELLOWSHIP WATER SYSTEM, INC. LASALLE PARISH, LOUISIANA

PROJECT LOCATION



VICINITY MAP

PROJECT CLASSIFICATION:

MUNICIPAL & PUBLIC WORKS CONSTRUCTION

PLANS & SPECIFICATIONS APPROVALS:

APPROVED BY: SHULER CONSULTING COMPANY
THIS _____ DAY OF _____, 2025
BY _____
MR. HENRY SHULER, P.E., PRESIDENT

APPROVED BY: BELAH FELLOWSHIP WATER SYSTEM, INC.
THIS _____ DAY OF _____, 2025
BY _____
MR. JOSEPH "CLYDE" CROOKS, PRESIDENT

PLAN INDEX	
SHEET NO.	DESCRIPTION
C0	TITLE SHEET & VICINITY MAP
C1	PROJECT INDEX MAP
C2	SITE PLAN - WELL NO. 5
C3	WATER MAIN ALIGNMENT
C4	SITE PLAN - PRIMARY STATION
C5-C6	CHLORINATION SYSTEM DETAILS
C7	WATER WELL DETAILS
C8	MISCELLANEOUS DETAILS
C9	SITE WORK DETAILS
C10-C11	WATER DISTRIBUTION - STANDARD DETAILS
C12	GENERAL NOTES
E1	ELECTRICAL SITE PLAN - WELL NO. 5
E2	ELECTRICAL RISER DIAGRAM & PANEL SCHEDULES



Call before you dig 1-800-272-3020



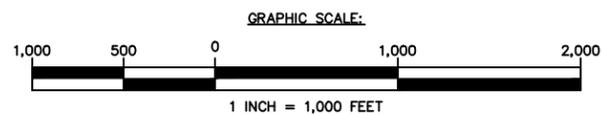
SHULER CONSULTING COMPANY
CIVIL ENGINEERING DESIGN & CONSULTING SERVICES
230 GRANDVIEW DRIVE CHATHAM, LA 71226
PHONE: (318) 249-3030
FAX: (318) 249-3040

TITLE SHEET & VICINITY MAP

DESIGNED BY: HAS	REV. NO.	DATE
DRAFTED BY: LGO		
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SCALE: N.T.S.		
PROJ. NO: 3511		
DATE: MAY, 2025		

BELAH FELLOWSHIP WATER SYSTEM, INC.
WATER PRODUCTION SYSTEM IMPROVEMENTS,
WELL NO. 5

SHEET NO.
Co OF C12



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PROJECT INDEX MAP

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SCALE: 1"=1000'		
PROJ. NO: 3511		
DATE: MAY, 2025		

BELAH FELLOWSHIP WATER SYSTEM, INC.
 WATER PRODUCITON SYSTEM IMPROVEMENTS,
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 C1 OF C12

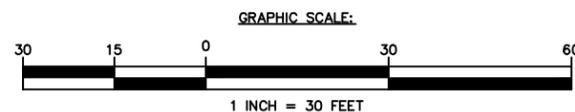
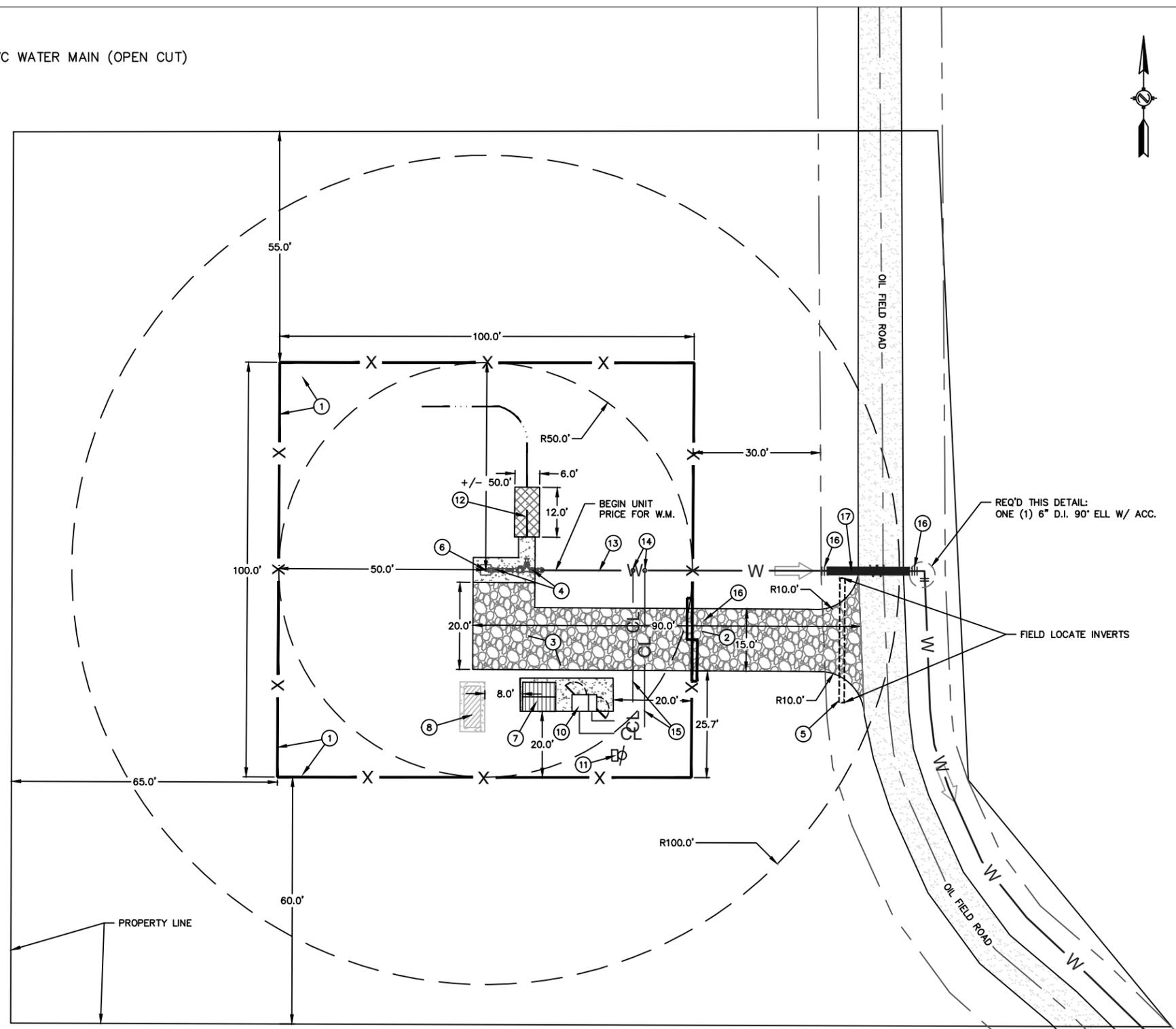
ITEM NO.	ITEM DESCRIPTION	REFERENCE	NOTES
1	PROPOSED SITE FENCING	SEC. 32 31 00	±380-LF REQ'D; REF. SHEET C9
2	PROPOSED 20' VEHICULAR ACCESS GATE	SEC. 32 31 00	REF. SHEET C9
3	PROPOSED ACCESS DRIVE	SEC. 32 15 40	REF. SHEET C9
4	PROPOSED 4" WELL DISCHARGE ASSEMBLY	SEC. 33 10 00	REF. SHEET C7
5	PROPOSED 15" C.P.P.	N/A	30-LF REQ'D; REF. SHEET C9
6	PROPOSED WELL NO. 5	SEC. 33 10 00	SEE NOTE 6; REF. SHEET C7
7	PROPOSED ELEC./CONTROL RACK & SHED	SEC. 26 00 00	REF. SHEET C8
8	FUTURE GENERATOR	N/A	N/A
9	PROPOSED 4" D.I. TEE W/ ACC.	SEC. 33 10 00	N/A
10	PROPOSED CL2 EQUIP. & ENCLOSURE	SEC. 46 31 01	REF. SHEETS C5-C6
11	PROPOSED ELEC. SERVICE	SEC. 26 00 00	REF. SHEET C8, ELECTRICAL
12	PROPOSED RIP-RAP	SEC. 31 37 00	REF. SHEET C9
13	PROPOSED 4" WATER MAIN	SEC. 33 10 00	CL160 PVC
14	PROPOSED 1" CL2 SOLUTION TAPS	SEC. 33 10 00	CONTRACTOR MUST PROVIDE INJECTION QUILL AND ACCESS
15	PROPOSED 1" SCH. 40 PVC CL2 SOLUTION MAIN	SEC. 33 10 00	N/A
16	PROPOSED 6" PE X PVC CONNECTION	SEC. 33 10 00	REF. SHEET C10
17	PROPOSED 6" DR11, H.D.P.E. WATER MAIN (DIRECTIONAL DRILL)	SEC. 33 10 00	40-LF REQ'D

LEGEND:

	PROPOSED GATE VALVE		PROPOSED CRUSHED STONE SURFACING
	EXISTING GATE VALVE		PROPOSED CONCRETE
	PROPOSED WATER MAIN		PROPOSED RIP-RAP
	EXISTING WATER MAIN		DIRECTION OF FLOW
	PROPOSED CL2 MAIN		PROPOSED SITE FENCE
	PROPOSED ELEVATION		EXISTING SITE FENCE
	RIGHT-OF-WAY		PROPOSED SWALE DITCH
	TREELINE		

- CONSTRUCTION NOTES:**
- ALL PROPOSED MAINS SHALL MAINTAIN A MINIMUM DEPTH OF 36" WITHIN THE SITE. ALL PROPOSED CONDUITS SHALL MAINTAIN A MINIMUM DEPTH OF 18" WITHIN THE SITE.
 - ALL BELOW GROUND PIPING SHALL BE PVC, CL160. ALL ABOVE GROUND PIPING SHALL BE DUCTILE IRON, CLASS 51 (INCLUDING RISERS).
 - ALL EXISTING MAINS, CONDUITS, AND COMPONENTS ARE INDICATED AT APPROXIMATE LOCATIONS FOR PLANNING PURPOSES. THE ENGINEER DOES NOT WARRANT THEIR EXACT LOCATIONS.
 - THE CONTRACTOR SHALL COORDINATE CONSTRUCTION SEQUENCE TO MINIMIZE SERVICE INTERRUPTIONS.
 - THE CONTRACTOR SHALL NOTE THAT PROPOSED MAINS, CONDUITS, VALVES, FITTINGS, ETC. LOCATIONS ARE APPROXIMATE, FIELD ADJUSTMENTS WILL LIKELY BE REQUIRED TO ACCOMMODATE ACTUAL SITE CONDITIONS.
 - CONTRACTOR SHALL CLEAR AND GRUB ENTIRE FENCED AREA, ACCESS DRIVE, AND WATER MAIN/OVERHEAD ELECTRIC RIGHT-OF-WAY. CONTRACTOR SHALL FINELY GRADE SITE TO ENSURE NO PONDING. FILL SHALL BE REQUIRED IN SELECT AREAS. NO SLOPE SHALL EXCEED 3:1. ALL DISTURBED AREAS SHALL BE SEEDED AND FERTILIZED PER SPECS.
 - CONTRACTOR SHALL FIELD DETERMINE PIPE INVERTS. PROPOSED SWALE DITCH SHALL BE DIRECTED TO PROPOSED C.P.P.
 - CONTRACTOR SHALL GRADE AREA FOR PROPOSED FENCE. NO GAP GREATER THAN 2" BELOW FENCE BOTTOM SHALL BE PERMITTED.

REQ'D THIS PANEL:
180-LF 6" CL160 PVC WATER MAIN (OPEN CUT)



MATCHLINE 1



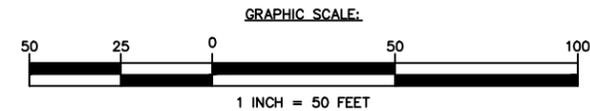
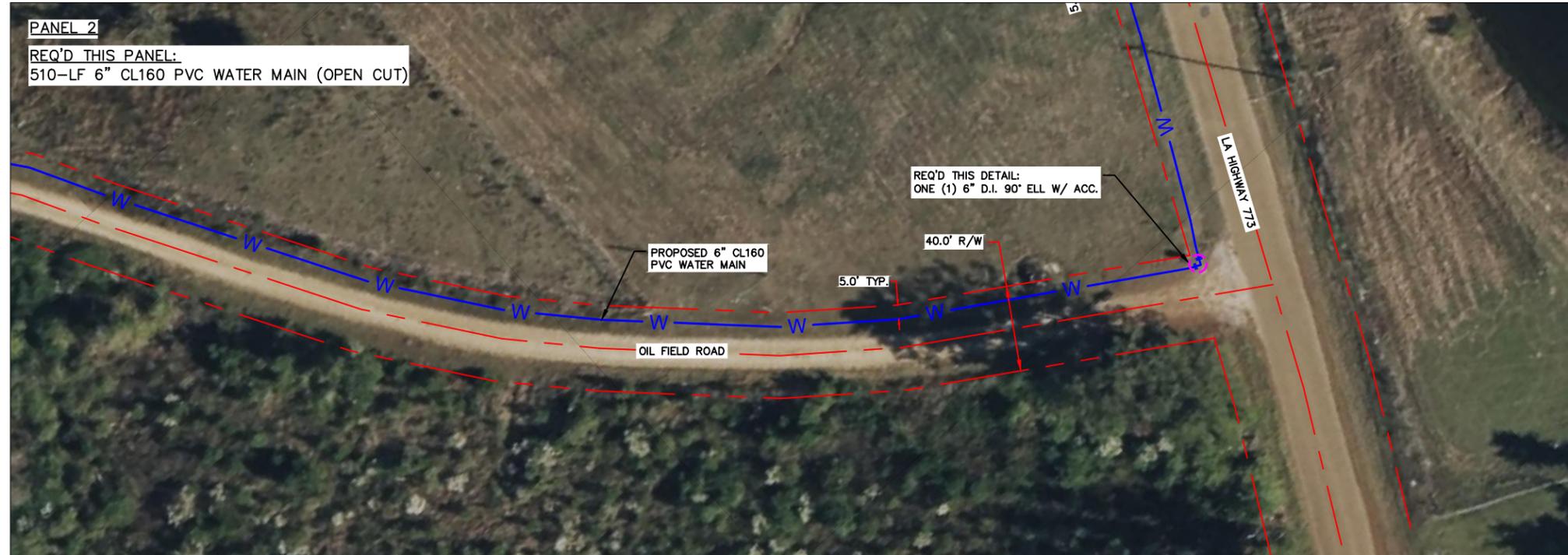
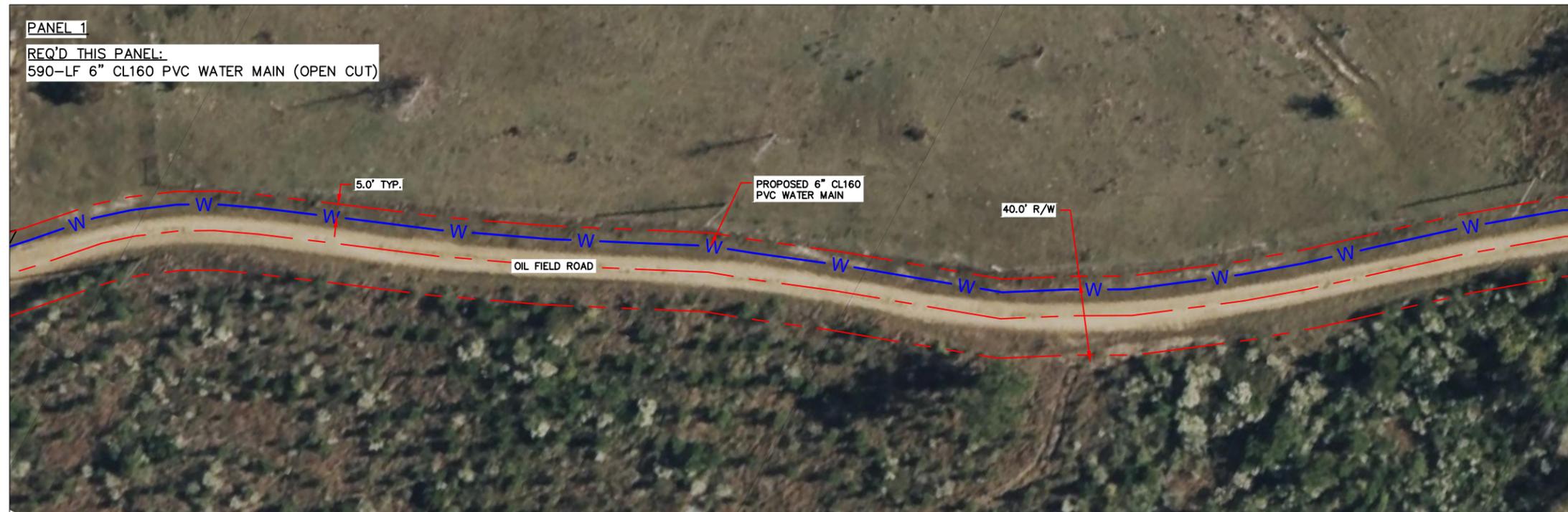
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SITE PLAN - WELL NO. 5

DESIGNED BY:	REV. NO.	DATE
HAS		
DRAFTED BY:		
LGO		
CHECKED BY:		
HAS		
SCALE:		
1" = 30'		
PROJ. NO:		
3511		
DATE:		
MAY, 2025		

BELAH FELLOWSHIP WATER SYSTEM, INC.
WATER PRODUCTION SYSTEM IMPROVEMENTS,
WELL NO. 5

SHEET NO.
C2 OF C12



PANEL 1
 REQ'D THIS PANEL:
 590-LF 6" CL160 PVC WATER MAIN (OPEN CUT)

PANEL 2
 REQ'D THIS PANEL:
 510-LF 6" CL160 PVC WATER MAIN (OPEN CUT)

WATER MAIN ALIGNMENT



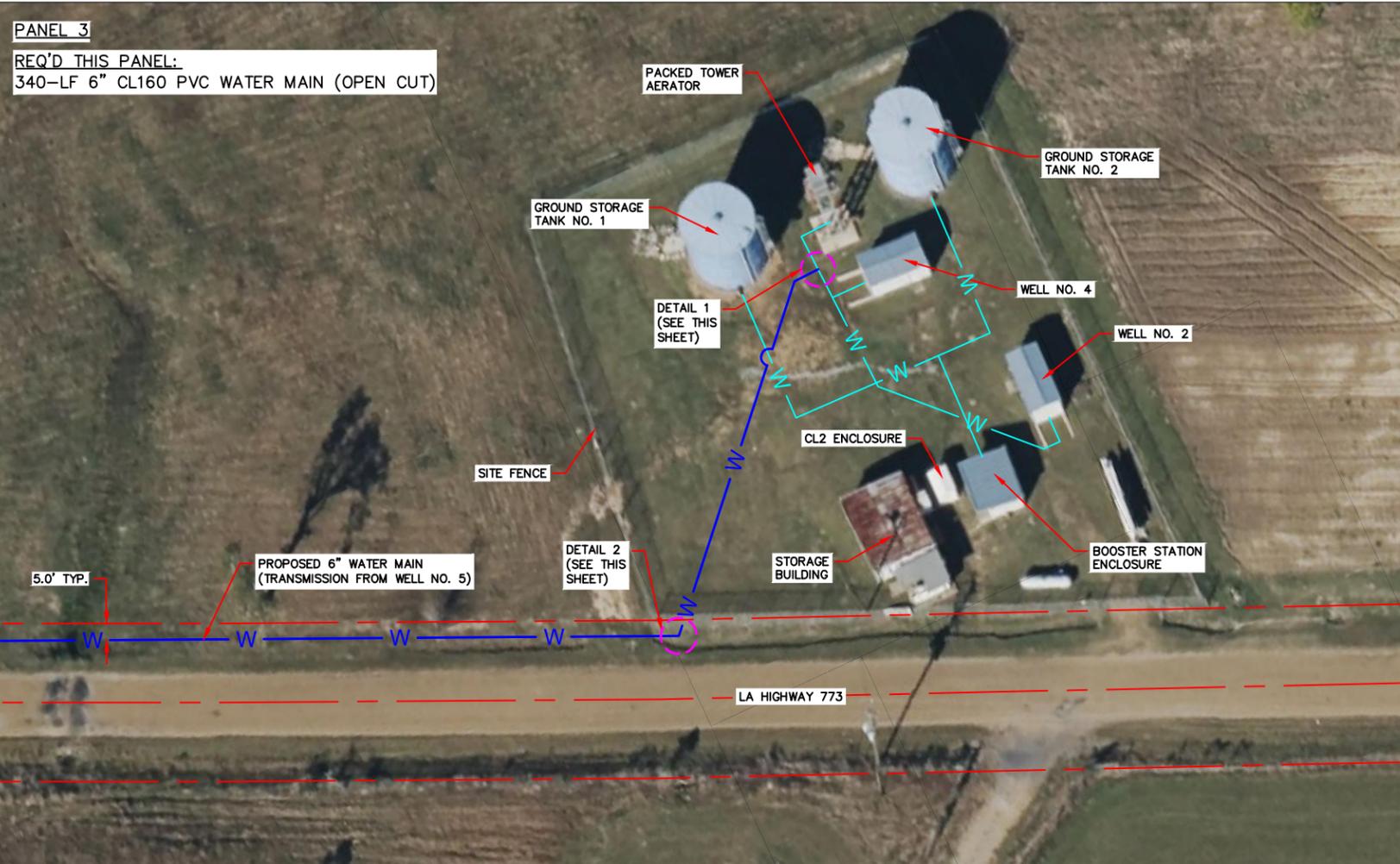
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DRAFTED BY:		
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SCALE:		
1" = 50'		
PROJ. NO:		
3511		
DATE:		
MAY, 2025		

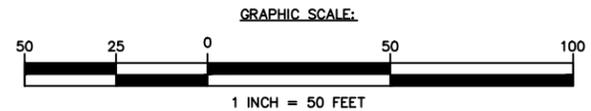
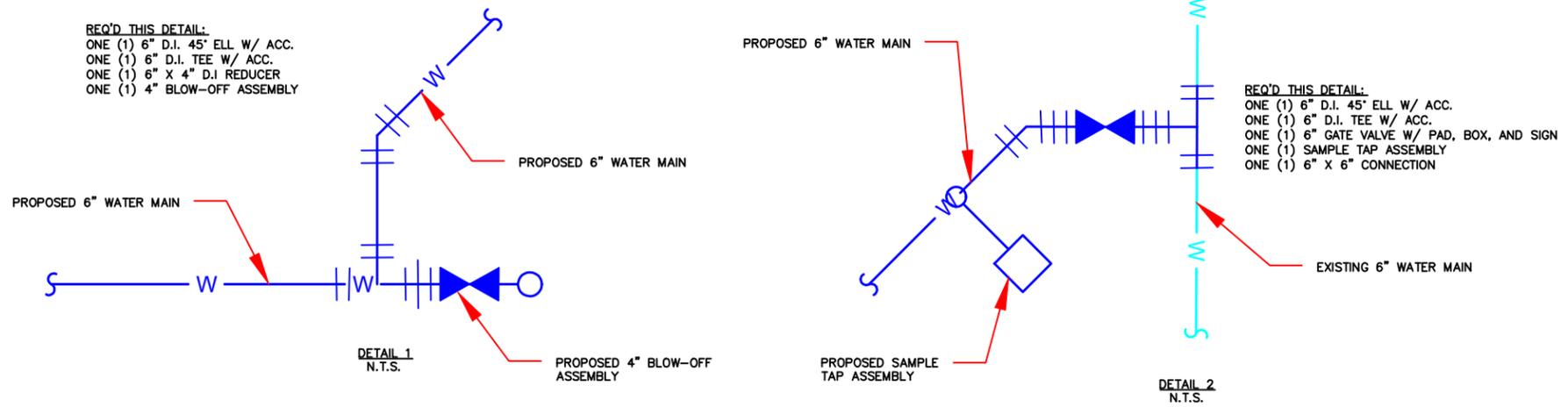
BELAH FELLOWSHIP WATER SYSTEM, INC.
 WATER PRODUCTION SYSTEM IMPROVEMENTS,
 WELL NO. 5

SHEET NO.
 C3 OF C12

- CONSTRUCTION NOTES:**
1. WATER MAIN INSTALLATION MUST MAINTAIN A MINIMUM DEPTH OF 36" AT ALL TIMES. MINIMUM DEPTH UNDER ROADWAYS AND SURFACE DRAINAGES SHALL BE 5.0' AND 3.0' RESPECTIVELY.
 2. EXISTING UTILITIES ARE SHOWN FOR PLANNING AND DESIGN PURPOSES ONLY. THE ENGINEER DOES NOT WARRANT THE EXACT LOCATION OF THE UTILITY. THE CONTRACTOR MUST COORDINATE WITH EACH RESPECTIVE UTILITY AUTHORITY FOR FIELD MARKING.
 3. ALL EXISTING DRIVEWAYS MUST BE MAINTAINED IN AN ACCEPTABLE MANNER TO ACCOMMODATE DAILY TRAFFIC.
 4. WATER MAIN INSTALLATION SHALL MAINTAIN A MINIMUM VERTICAL SEPARATION OF 18" WHEN CROSSING ANY FOREIGN UTILITY. CONTRACTOR TO FIELD VERIFY EXISTING DEPTH OF THE FOREIGN MAIN THROUGH COORDINATION WITH THE RESPECTIVE UTILITY AUTHORITY. WATER MAINS SHALL MAINTAIN A 6.0' HORIZONTAL SEPARATION FROM ANY SEWER MAIN. IN THE EVENT THAT THE REQUIRED SEPARATIONS ARE NOT FEASIBLE, THE CONTRACTOR SHALL CONSULT THE ENGINEER PRIOR TO INSTALLATION.
 5. CONTRACTOR SHALL STABILIZE ALL DISTURBED AREAS VIA GRASS MATTING AND/OR BROADCAST SEEDING AND FERTILIZING.
 6. CONTRACTOR SHALL EXCAVATE EXISTING CONNECTION TO AERATOR INLET TO CONFIRM SIZE, ORIENTATION AND MATERIAL.



MATCHLINE 3





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SITE PLAN - PRIMARY STATION

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SCALE: 1" = 50'		
PROJ. NO: 3511		
DATE: MAY, 2025		

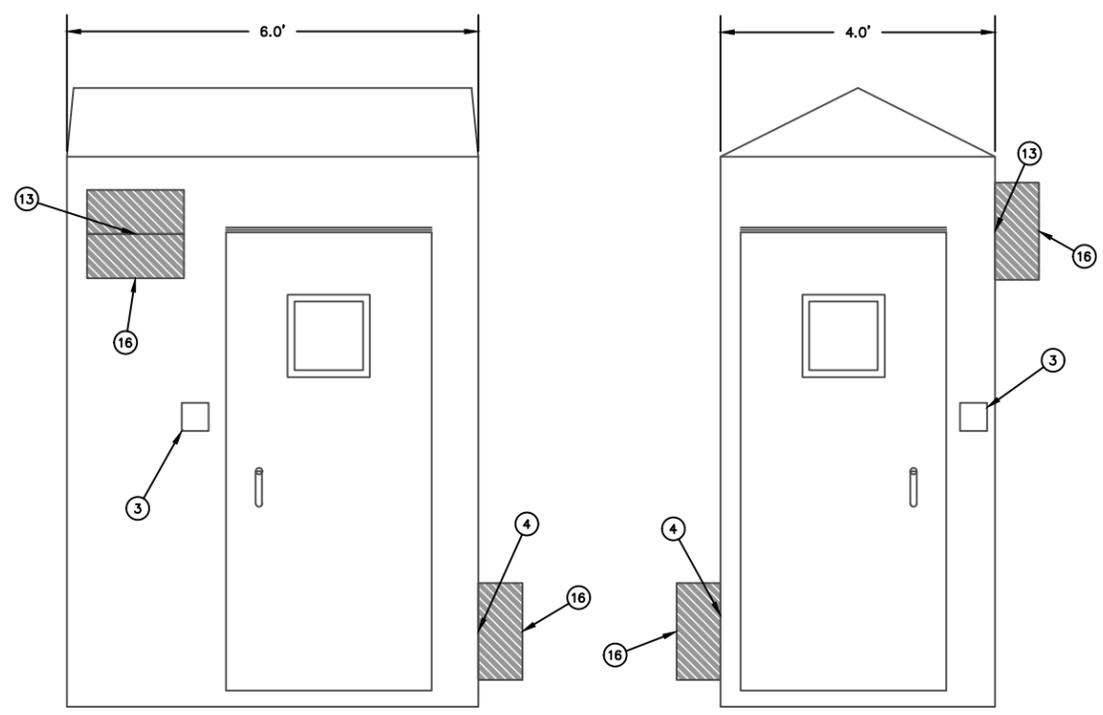
**BELAH FELLOWSHIP WATER SYSTEM, INC.
 WATER PRODUCTION SYSTEM IMPROVEMENTS,
 WELL NO. 5**

SHEET NO.
C4 OF C12

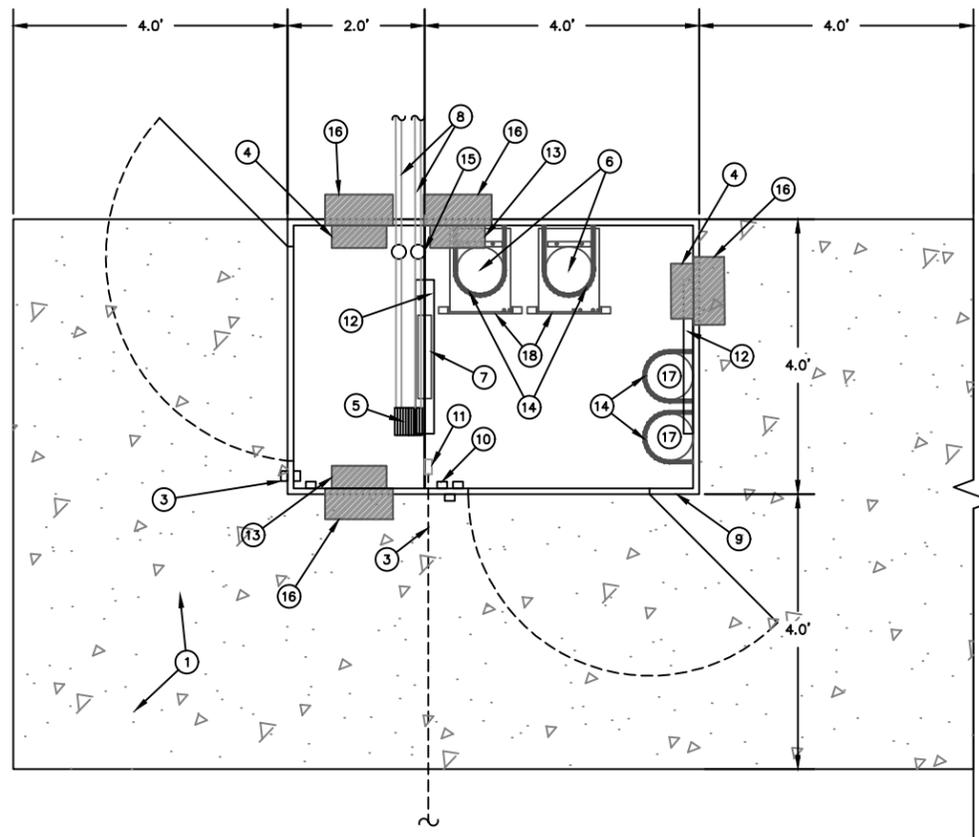
NOTE:
ORIENTATION VARIES PER SITE
PLAN. REF. SITS PLANS.

NOTES:

1. VENT FANS SHALL BE INSTALLED AT/OR NEAR FLOOR LEVEL WITH MANUAL OVER-RIDE SWITCH ON EXTERIOR OF ENCLOSURE AT DOORWAY. A 12" X 12" VENT WITH GRAVITY LOUVER SHALL BE INSTALLED IN EACH DOOR OR SIDE WALL OF EACH COMPARTMENT. AN EXHAUST FAN SHALL BE REQUIRED AS SHOWN. FAN'S CAPACITY SHALL PROVIDE ONE (1) COMPLETE CHANGE OF AIR WITHIN THE ENCLOSURE EACH MINUTE.
2. WEIGHING SCALE PROPORTIONAL TO CYLINDER CAPACITY SHALL BE PROVIDED IN PRIMARY COMPARTMENT.
3. A TWO POINT CLOSURE SYSTEM INCORPORATING A LOCKABLE DOOR HANDLE AND INTERIOR OVERRIDE LEVER SHALL ALLOW EMERGENCY EXITS EVEN IF THE DOOR IS CLOSED FROM THE OUTSIDE. THE DOOR SHALL BE HELD TIGHT TO THE ENCLOSURE/WEATHERSTRIP AT THE TOP AND BOTTOM.
4. EXTERIOR GEL COAT SHALL BE A MINIMUM OF 18-20 MILS AND SHALL INCORPORATE ULTRA-VIOLET INHIBITORS.
5. CHLORINATION MAINS SHALL BE TAPPED THROUGH WALL.
6. SHATTERPROOF WINDOWS SHALL BE PROVIDED FOR EACH PROPOSED DOOR.
7. EXTERIOR SWITCHES SHALL BE WEATHER RATED AND SHALL BE PROVIDED WITH HINGED COVER. EXHAUST FAN AND LIGHT SWITCHES SHALL BE SEPARATE.



ELEVATION VIEW
CHLORINATION ENCLOSURE:
N.T.S.



PLAN VIEW
CHLORINATION ENCLOSURE:
N.T.S.

ITEM NO.	ITEM DESCRIPTION	MANUFACTURER/MODEL NO./REFERENCE
*1	CONCRETE FOUNDATION (6" THICK W/ 6" X 6" X 10-GA WWR)	SEE SECTION 03 30 00
2	ELECTRICAL/CONTROL CONDUIT	SEE SECTION 26 00 00
3	EXTERIOR & INTERIOR SWITCHES	SEE SECTION 26 00 00
4	EXHAUST FAN W/ THERMOSTAT CONTROL	DAYTON MODEL 1HKL9; DAYTON MODEL 4LZ94
5	CHLORINE EQUIPMENT (SEE DETAIL SHEET C6)	SEE SECTION 46 31 11
6	150 LB. CHLORINE CYLINDERS, AND VACUUM REGULATOR W/ AUTOMATIC SWITCHOVER MODULE.	SEE NOTES AND DETAILS THIS SHEET
7	ELECTRIC WALL HEATER, 2000/1500, SURFACE	DAYTON MODEL 5ZK54
8	1" CHLORINE SOLUTION MAINS	SEE SECTION 46 31 11, SITE PLAN
9	8' X 4' FIBERGLASS ENCLOSURE W/ GEL-COATED FIBERGLASS EXTERIOR, STAINLESS STEEL HARDWARE TWO (2) DOORS, AND VIEWPORTS (SEE NOTES)	SEE NOTES AND DETAILS THIS SHEET
10	120V GFCI ELECTRICAL OUTLET	SEE SECTION 26 00 00
11	CHLORINATION ENCLOSURE JUNCTION BOX	SEE SECTION 26 00 00
12	INTERIOR LIGHT	ACUITY LITHONIA MODEL DMW2L242000LMAFLMDMVLGTZ150K80CRI
13	VENT / WALL SHUTTER	DAYTON MODEL 20UA07
14	CHLORINE CYLINDER RESTRAINT CHAIN	N/A
15	3/4" PLYWOOD REINFORCED PARTITION	N/A
16	FIBERGLASS WEATHERHOOD	N/A
17	SPARE CYLINDERS	SEE SECTION 46 31 11
18	HYDRAULIC SCALES	SEE SECTION 46 31 11

* CONTRACTOR TO PROVIDE 12" SELECT FILL BENEATH FOUNDATION (95% STANDARD PROCTOR DENSITY).



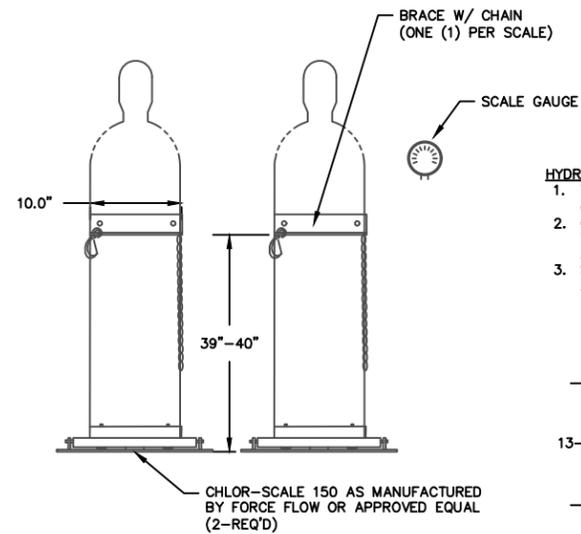
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CHLORINATION SYSTEM DETAILS

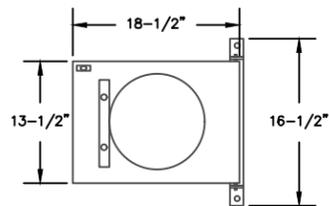
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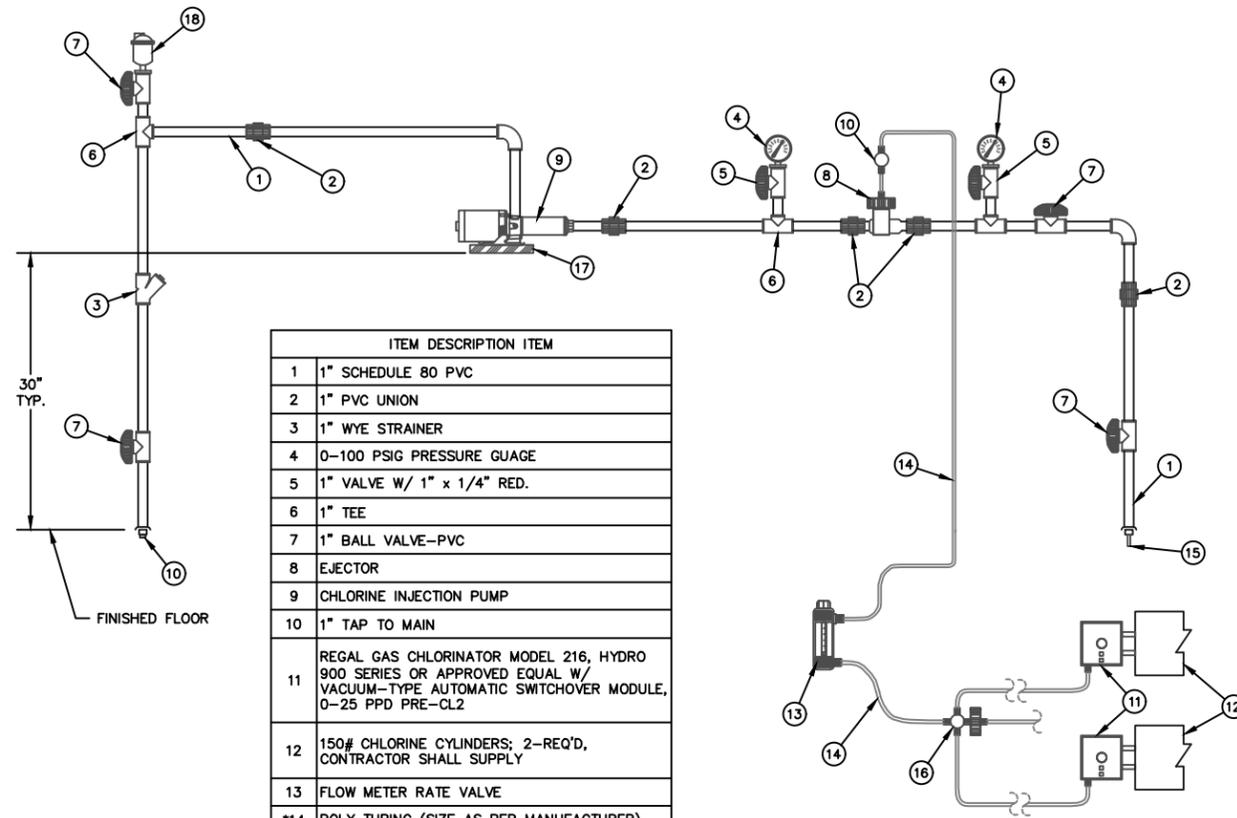
SHEET NO.
C5 OF C12



- HYDRAULIC SCALES NOTES:**
1. TWO (2) SCALES SHALL BE PROVIDED (ONE PER ACTIVE BOTTLE).
 2. CONTRACTOR SHALL REFERENCE TECHNICAL SPECIFICATION 46 31 11 FOR ADDITIONAL DETAILS.
 3. SCALE GAUGE SHALL BE MOUNTED 60" ABOVE F.F. BETWEEN THE ACTIVE BOTTLES.



CHLORINATION SCALE DETAILS:
N.T.S.



ITEM	DESCRIPTION	ITEM
1	1" SCHEDULE 80 PVC	
2	1" PVC UNION	
3	1" WYE STRAINER	
4	0-100 PSIG PRESSURE GAUGE	
5	1" VALVE W/ 1" x 1/4" RED.	
6	1" TEE	
7	1" BALL VALVE-PVC	
8	EJECTOR	
9	CHLORINE INJECTION PUMP	
10	1" TAP TO MAIN	
11	REGAL GAS CHLORINATOR MODEL 216, HYDRO 900 SERIES OR APPROVED EQUAL W/ VACUUM-TYPE AUTOMATIC SWITCHOVER MODULE, 0-25 PPD PRE-CL2	
12	150# CHLORINE CYLINDERS; 2-REQ'D, CONTRACTOR SHALL SUPPLY	
13	FLOW METER RATE VALVE	
*14	POLY TUBING (SIZE AS PER MANUFACTURER)	
15	1" SCH. 40 PVC PIPE (BELOW GRADE)	
**16	PRESSURE RELIEF (VENT) VALVE	
17	12" X 8" SHELF (ANCHORED TO PARTITION)	
18	1" AIR RELEASE VALVE	

*ALL TUBING CARRYING GASEOUS CHLORINE SHALL BE POLYETHYLENE AND SHALL BE AS RECOMMENDED BY THE CHLORINE INSTITUTE.

**VENT LINE SHALL BE ROUTED TO OUTSIDE ATMOSPHERE, ABOVE GRADE, AND AWAY FROM ENCLOSURE INTAKES.

CHLORINATION EQUIPMENT SCHEMATIC:
N.T.S.



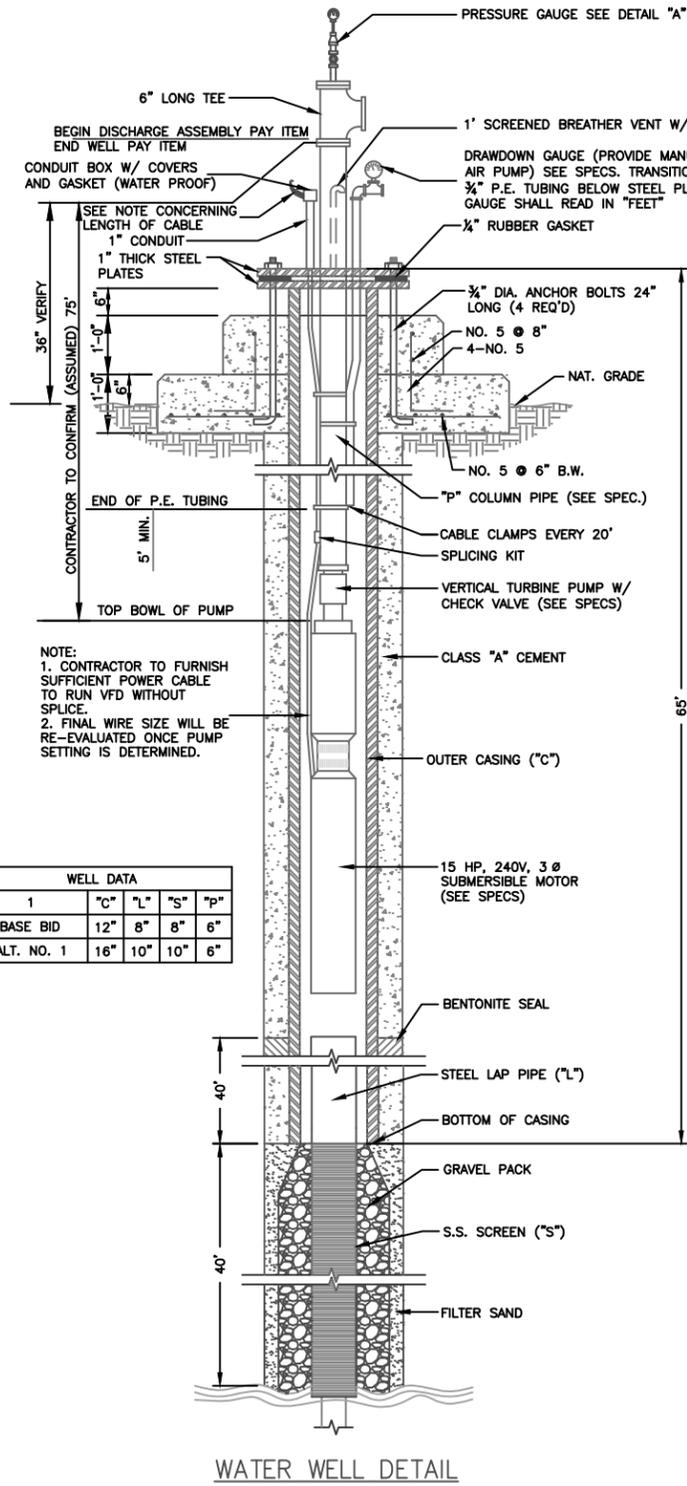
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CHLORINATION SYSTEM DETAILS

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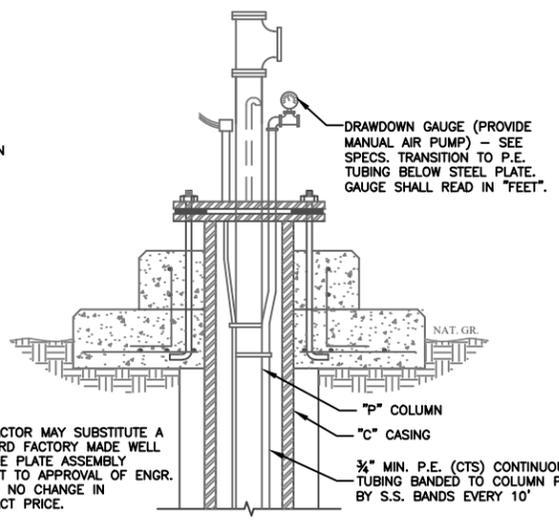
SHEET NO.
C6 OF C12



NOTE:
 1. CONTRACTOR TO FURNISH SUFFICIENT POWER CABLE TO RUN VFD WITHOUT SPLICE.
 2. FINAL WIRE SIZE WILL BE RE-EVALUATED ONCE PUMP SETTING IS DETERMINED.

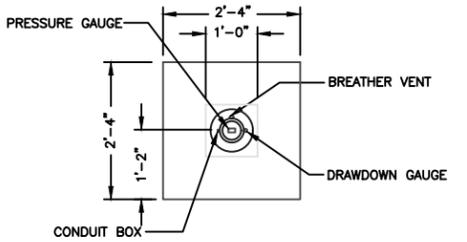
WELL DATA				
	"c"	"l"	"s"	"p"
BASE BID	12"	8"	8"	6"
ALT. NO. 1	16"	10"	10"	6"

WATER WELL DETAIL

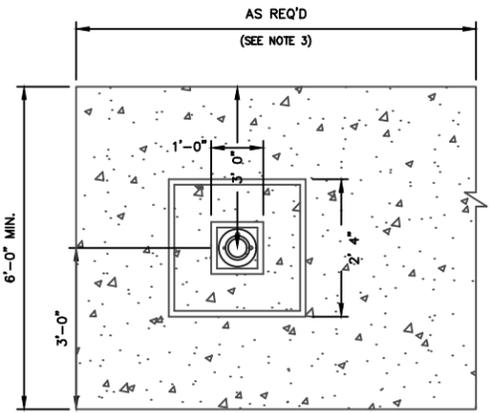


NOTE:
 CONTRACTOR MAY SUBSTITUTE A STANDARD FACTORY MADE WELL SURFACE PLATE ASSEMBLY SUBJECT TO APPROVAL OF ENGR. AND AT NO CHANGE IN CONTRACT PRICE.

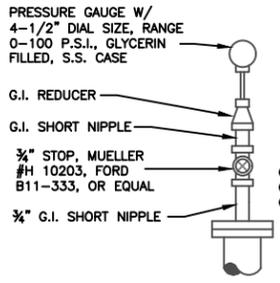
SURFACE PLATE ASSEMBLY & FOUNDATION PLAN



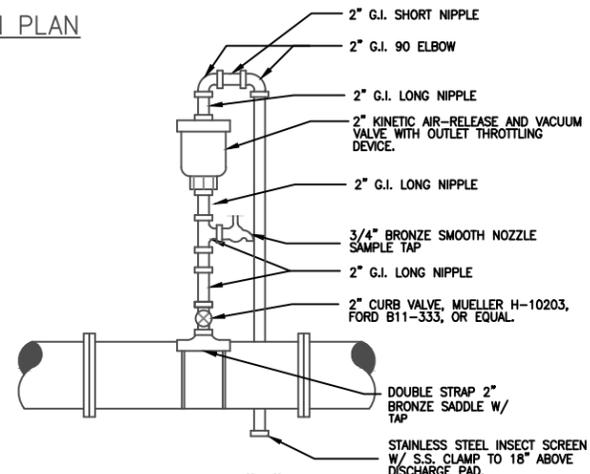
PLAN VIEW OF WATER WELL HEAD FOUNDATION



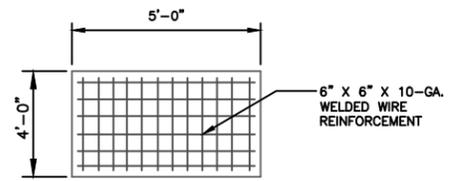
PLAN WELL FOUNDATION & PAD



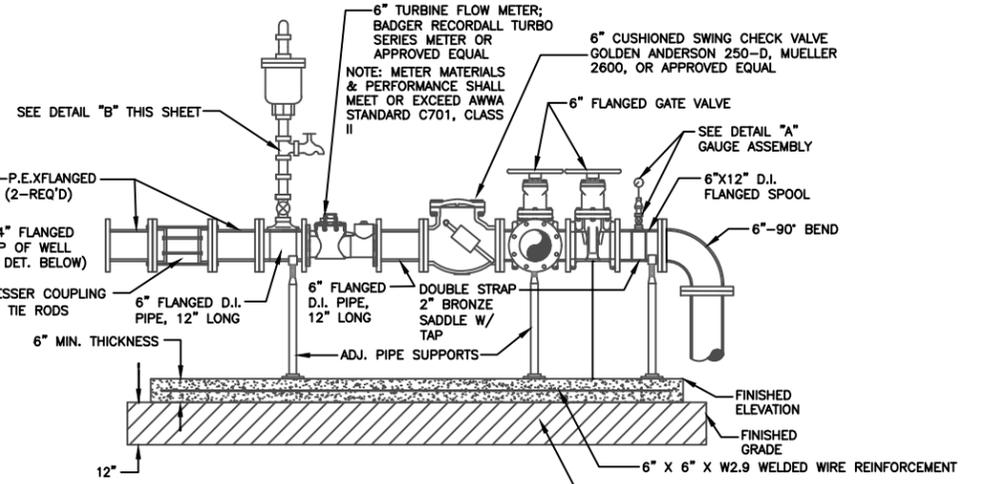
DETAIL "A" PRESSURE GAUGE ASSEMBLY



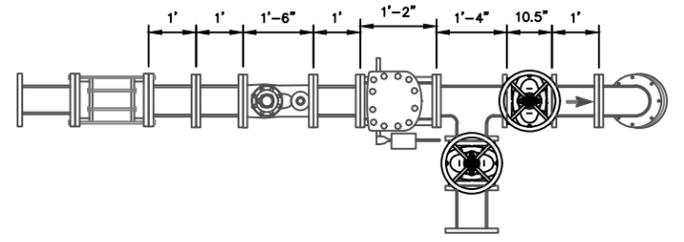
DETAIL "B" AIR-RELEASE & PRESSURE GAUGE ASSEMBLIES



SECTION SPLASH PAD DETAIL
 (1 REQ'D. THIS CONTRACT WELL BYPASS) REF. NOTE 2 THIS SHEET.

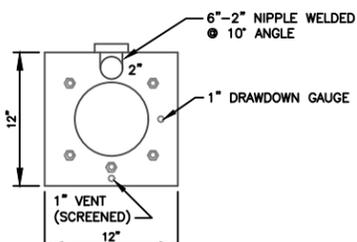


ELEVATION WATER WELL DISCHARGE ASSEMBLY

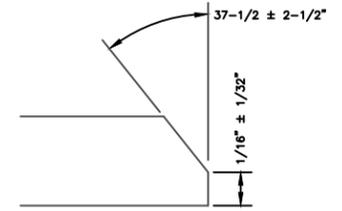


PLAN WATER WELL DISCHARGE ASSEMBLY

NOTE:
 1) DURING WELL PERFORMANCE TEST, FREE DISCHARGE OF THE FLOW WILL BE THRU AN ATTACHED HOSE DIRECTED TO THE NEAREST DITCH AND EROSION PROTECTION PROVIDED. NO SEPARATE PAY. NO STANDING WATER ALLOWED AROUND FINISHED WELL. CONTRACTOR TO GRADE AND DRAIN.
 2) SPLASH PAD ILLUSTRATED SHALL BE POSITIONED IN THE FIELD AS DIRECTED BY ENGINEER PRIOR TO POURING CONCRETE.
 3) WELL PAD SHALL EXTEND 1.0' SHORT OF 90° PIPING EXTENDING BELOW GRADE.
 4) CONTRACTOR TO INSULATE AND JACKET ALL ABOVE GROUND PIPING.
 5) A 120V, RECEPTACLE WITH WEATHERPROOF COVER SHALL BE PROVIDED AT WELLHEAD FOR HEAT TAPE CONNECTION. A 20.0' MIN. LENGTH HEAT TAPE SHALL BE APPLIED TO DISCHARGE ASSEMBLY PRIOR TO INSULATION.



JUNCTION BOX DETAIL



STANDARD END BEVEL FOR BUTTWELDING CASING, SCREEN & LINER



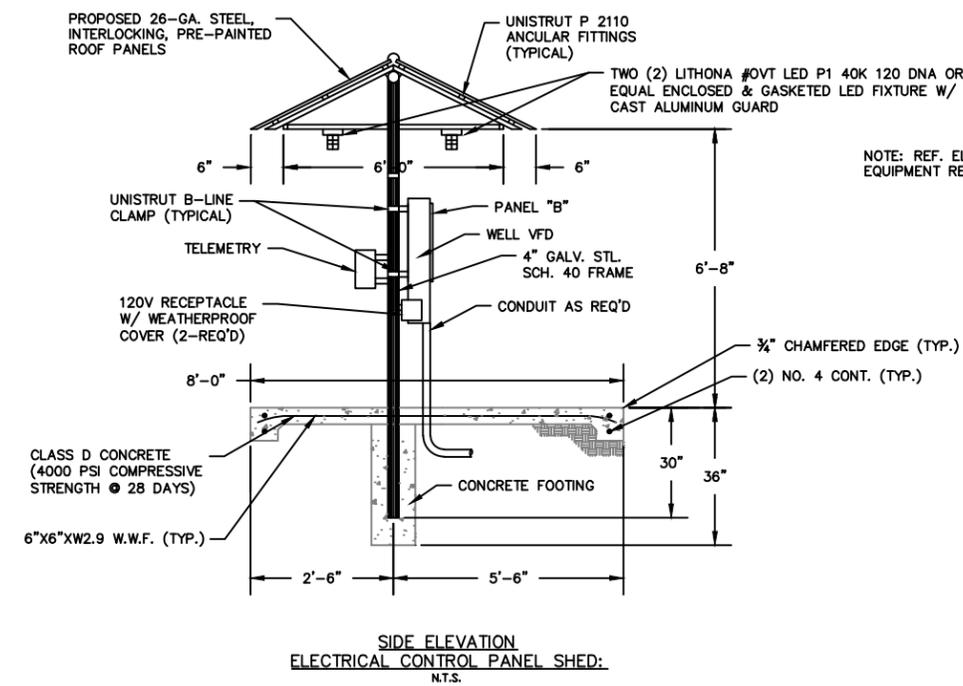
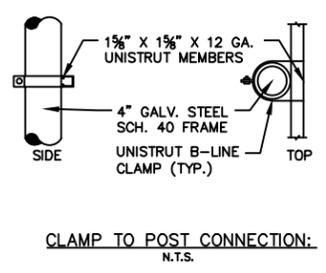
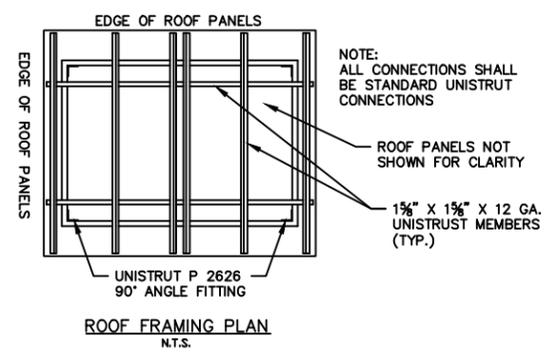
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 230 GRANDVIEW DRIVE CHATHAM, LA 71226
 PHONE: (318) 249-3030 FAX: (318) 249-3040

WATER WELL DETAILS

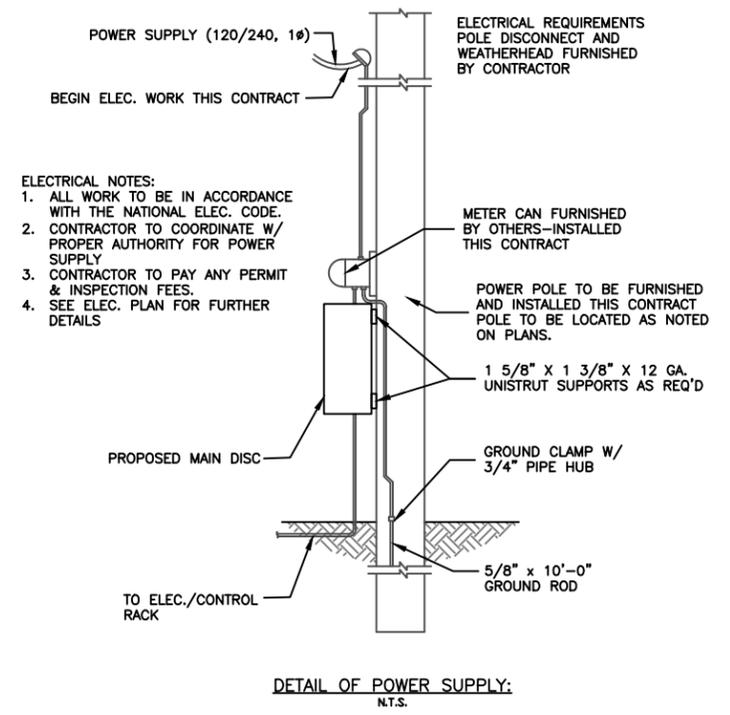
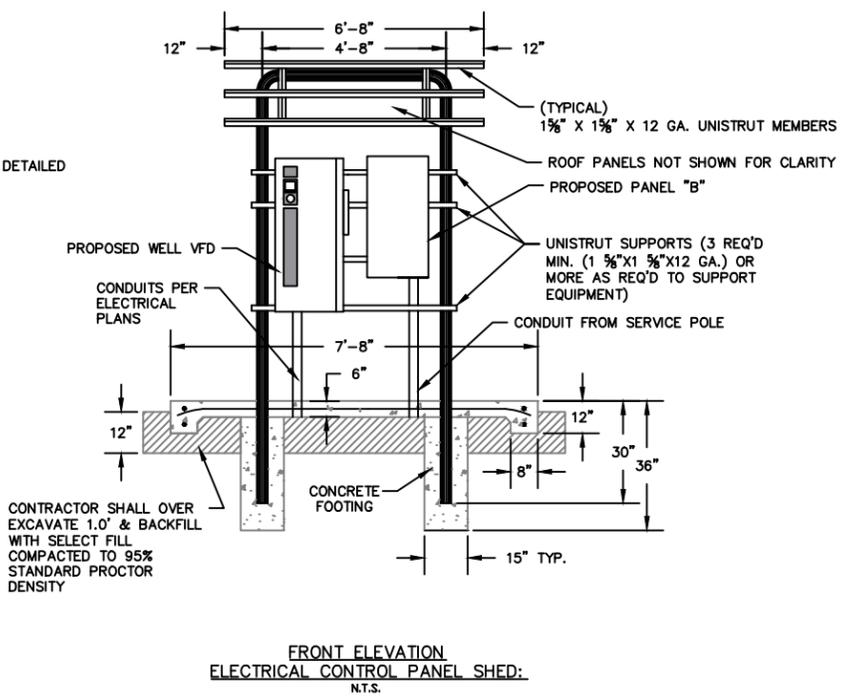
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CHECKED BY: HAS		
SCALE: AS DIMEN.		
PROJ. NO: 3511		
DATE: MAY, 2025		

BELAH FELLOWSHIP WATER SYSTEM, INC.
 WATER PRODUCTION SYSTEM IMPROVEMENTS,
 WELL NO. 5

SHEET NO.
 C7 OF C12



NOTE: REF. ELECTRICAL FOR DETAILED EQUIPMENT REQUIREMENTS.



- ELECTRICAL NOTES:
1. ALL WORK TO BE IN ACCORDANCE WITH THE NATIONAL ELEC. CODE.
 2. CONTRACTOR TO COORDINATE W/ PROPER AUTHORITY FOR POWER SUPPLY
 3. CONTRACTOR TO PAY ANY PERMIT & INSPECTION FEES.
 4. SEE ELEC. PLAN FOR FURTHER DETAILS



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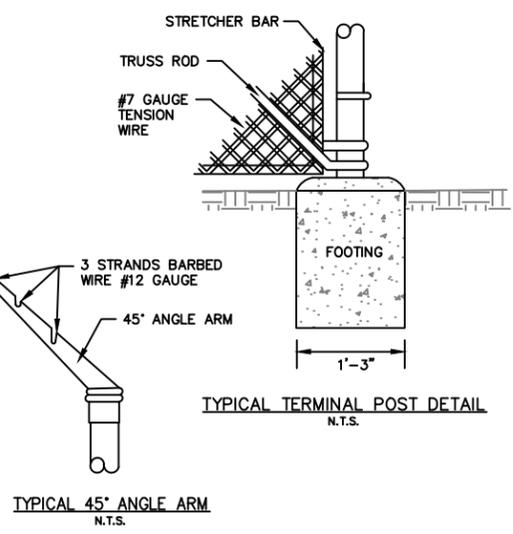
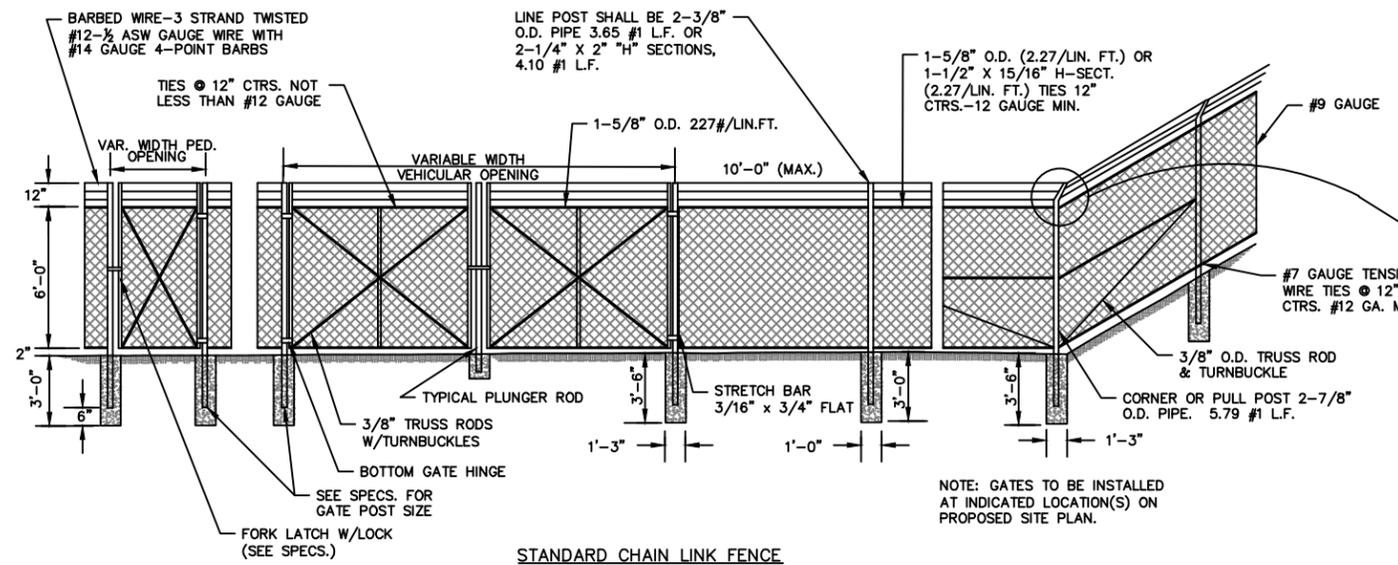
MISCELLANEOUS DETAILS

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SCALE:		
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MAY, 2025		

BELAH FELLOWSHIP WATER SYSTEM, INC.
 WATER PRODUCTION SYSTEM IMPROVEMENTS,
 WELL NO. 5

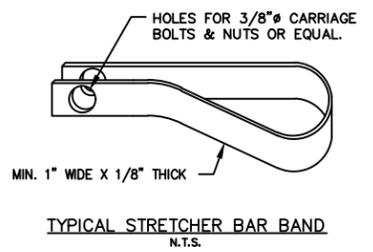
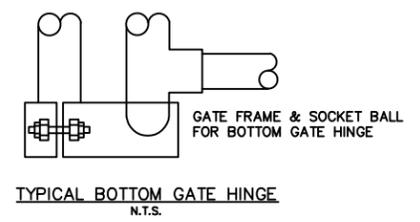
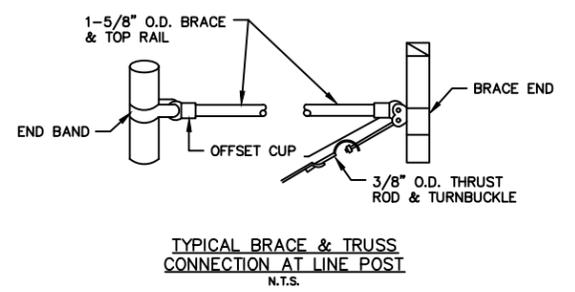
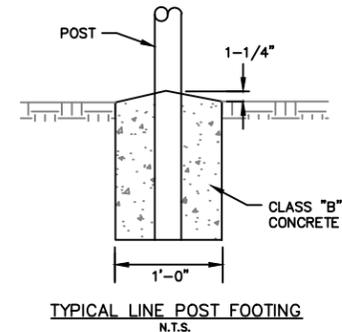
SHEET NO.
 C8 OF C12

NOTE: LATERAL FENCE TO BE SAME CONSTRUCTION AS FRONTAGE FENCE.

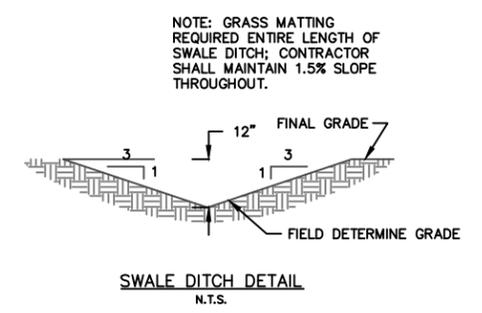
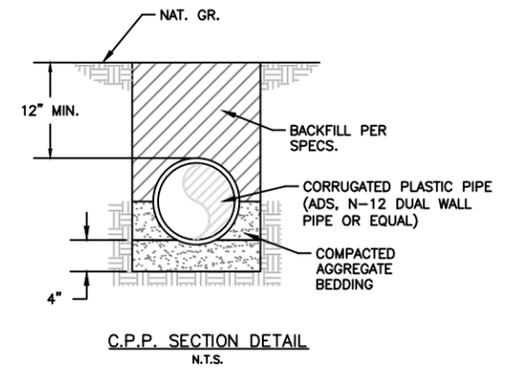
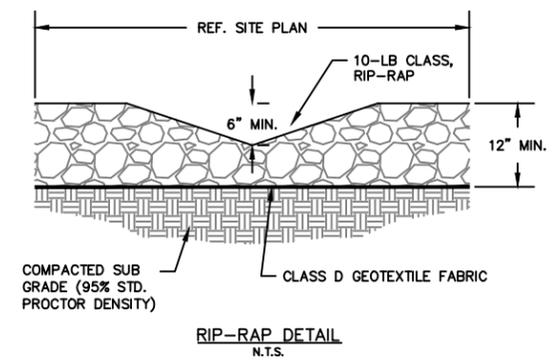
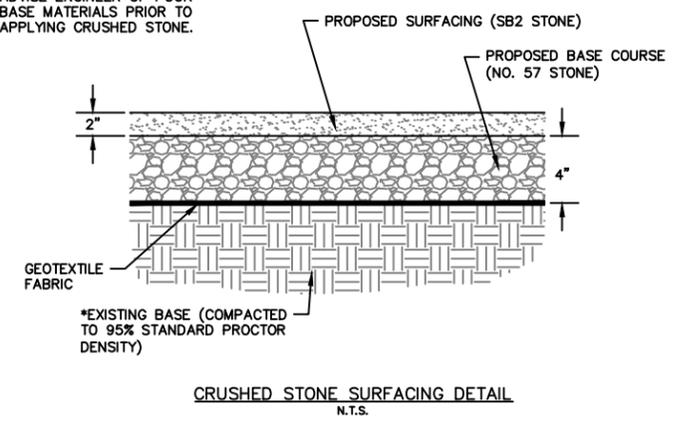


TYPICAL 45° ANGLE ARM
N.T.S.

STANDARD CHAIN LINK FENCE AND GATE DETAILS
N.T.S.



*NOTE: CONTRACTOR TO ADVISE ENGINEER OF POOR BASE MATERIALS PRIOR TO APPLYING CRUSHED STONE.





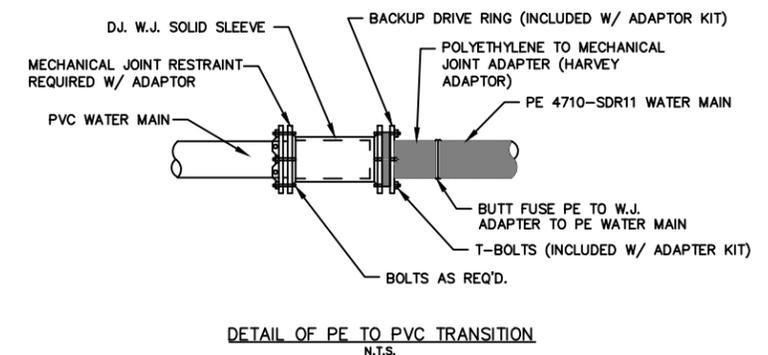
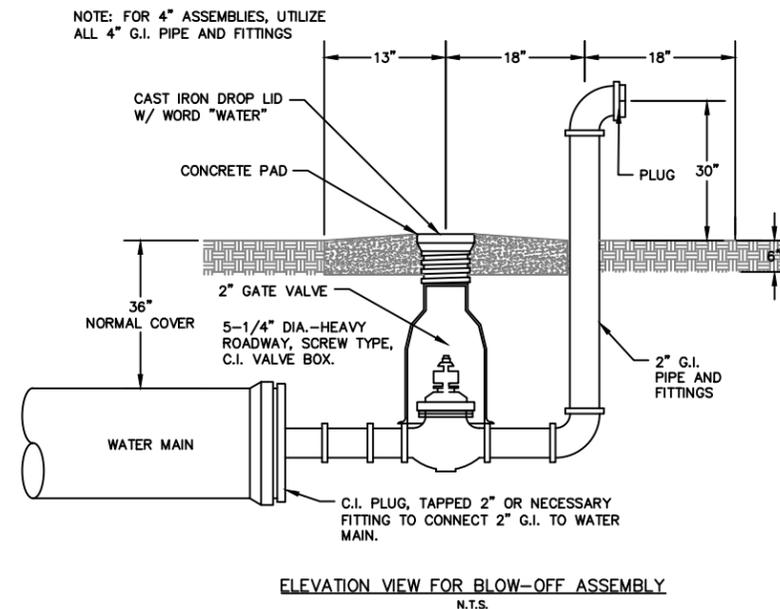
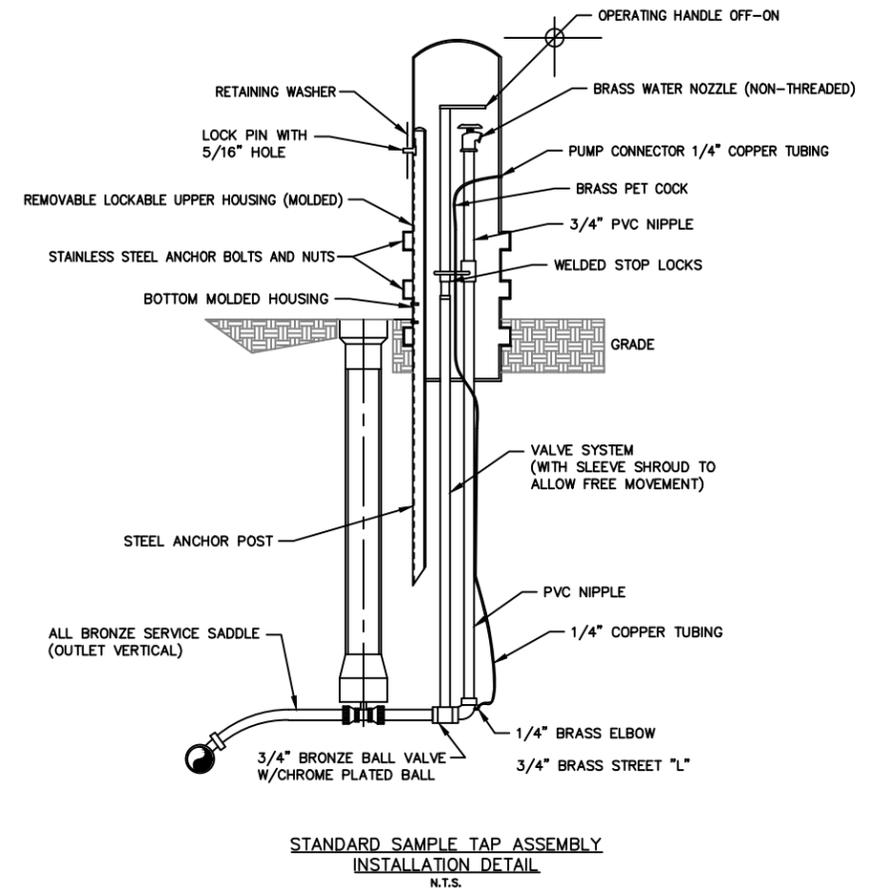
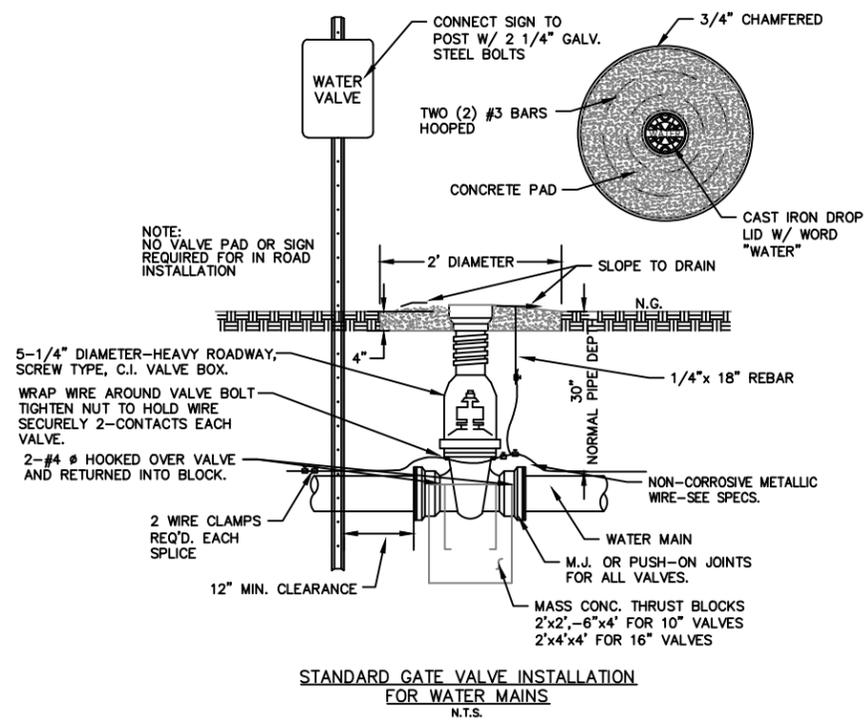
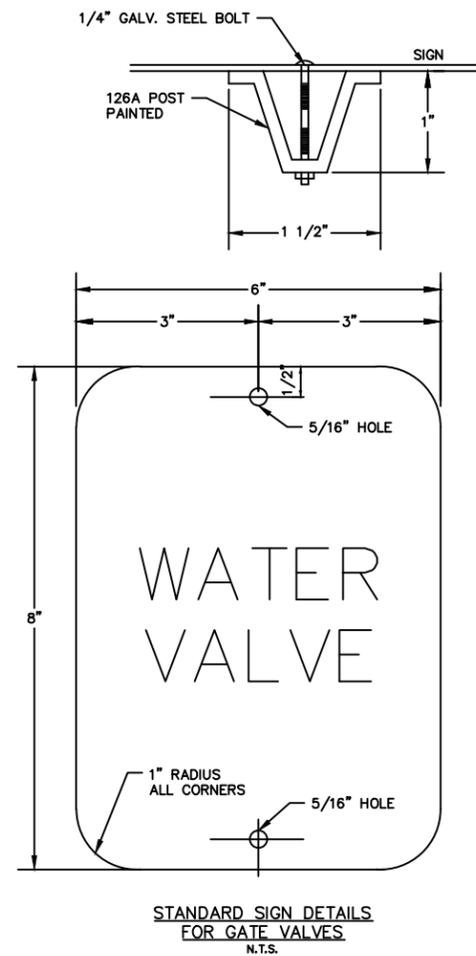
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SITE WORK DETAILS

DESIGNED BY:	REV. NO.	DATE
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DRAFTED BY:		
LGO		
CHECKED BY:		
HAS		
SCALE:		
AS DIMEN.		
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3511		
DATE:		
MAY, 2025		

BELAH FELLOWSHIP WATER SYSTEM, INC.
 WATER PRODUCTION SYSTEM IMPROVEMENTS,
 WELL NO. 5

SHEET NO.
 C9 OF C12



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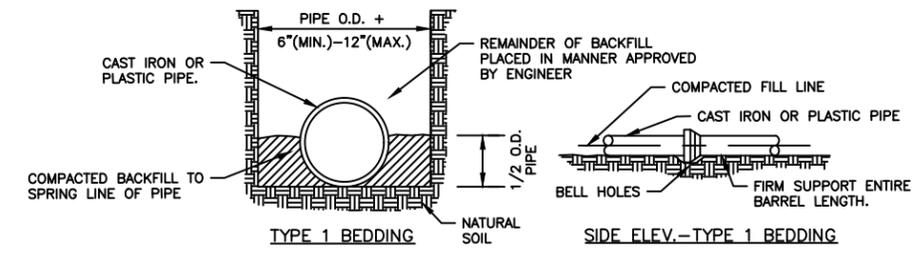
WATER DISTRIBUTION - STANDARD DETAILS

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PROJ. NO: 3511		
DATE: MAY, 2025		

BELAH FELLOWSHIP WATER SYSTEM, INC.
WATER PRODUCTION SYSTEM IMPROVEMENTS,
WELL NO. 5

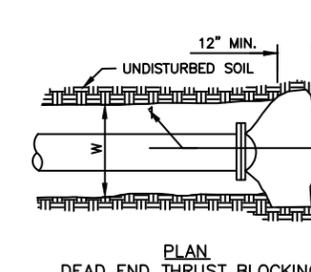
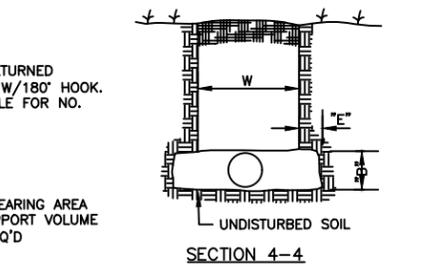
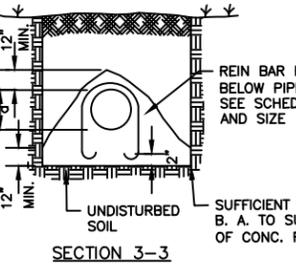
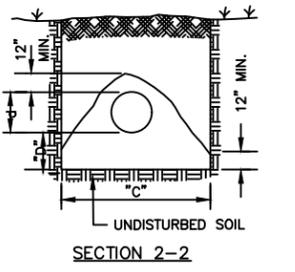
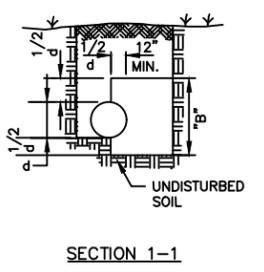
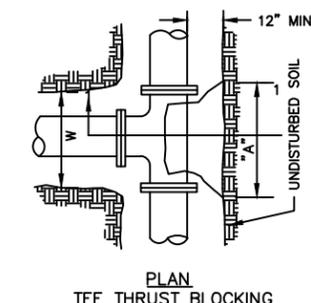
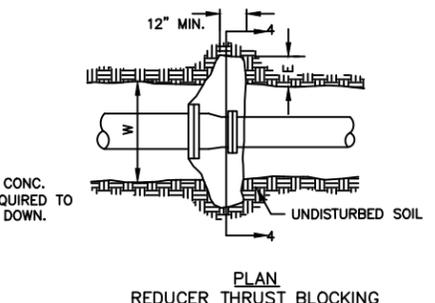
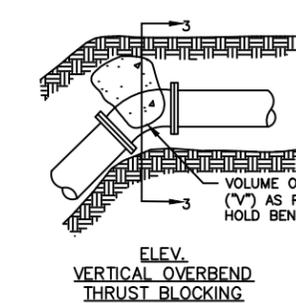
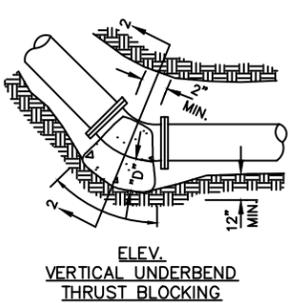
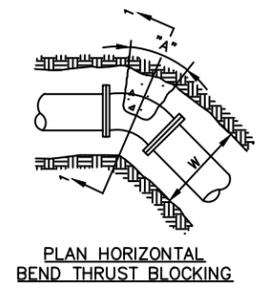
SHEET NO.
C10 OF C12

SCHEDULE OF DIMENSIONS FOR MASS CONCRETE THRUST BLOCKS FOR 2000 P.S.F. SOIL																																									
TYPE OF FITTING	HORIZONTAL BENDS												VERTICAL UNDERBENDS												VERTICAL UNDERBENDS 1 & 2												TEES AND DEAD ENDS		REDUCERS		
	90°		45°		22-1/2°		11-3/4°		5-5/8°		90°		45°		22-1/2°		11-3/4°		5-5/8°		90°		45°		22-1/2°		11-1/4°		5-5/8°		"A"	"B"	"E"								
TYP. DIM.	"A"	"B"	"A"	"B"	"A"	"B"	"A"	"B"	"A"	"B"	"C"	"D"	"C"	"D"	"C"	"D"	"C"	"D"	"C"	"D"	"A"	"B"	"A"	"B"	"A"	"B"	"A"	"B"	"A"	"B"	"E"										
PIPE SIZE	FT-IN	FT-IN	FT-IN	FT-IN	FT-IN	FT-IN	FT-IN	FT-IN	FT-IN	FT-IN	FT-IN	FT-IN	FT-IN	FT-IN	FT-IN	FT-IN	FT-IN	FT-IN	FT-IN	FT-IN	FT-IN	FT-IN	FT-IN	FT-IN	FT-IN	FT-IN	FT-IN	FT-IN	FT-IN	FT-IN	FT-IN										
4" & 6"	2-6	1-0	2-0	1-0	1-0	1-0	1-0	1-0	1-0	1-0	2-6	1-0	2-0	1-0	1-9	1-0	1-6	1-0	1-6	1-0	1-1/2	4	2#4	1	2	1#4	1/2	1	1#4	1/4	1	1#4	1/4	1	1#4	2-6	1-0				
8"	3-6	2-0	2-6	1-6	2-0	1-0	1-0	1-0	1-0	1-0	2-6	1-0	2-0	1-0	2-0	1-0	1-9	1-0	1-9	1-0	3	6	4#4	2	4	2#4	1	2	1#4	1/2	1	1#4	1/4	1	1#4	3-6	2-0				
10"	4-0	2-6	3-0	2-0	2-0	1-6	1-0	1-6	1-0	1-6	3-6	1-0	3-0	1-0	2-3	1-0	2-0	1-0	1-9	1-0	5	10	5#4	3	6	3#4	1-1/2	3	1#5	3/4	2	1#4	1/4	1	1#4	4-0	2-6				
12"	5-0	3-0	4-0	2-0	2-0	2-0	1-0	2-0	1-0	2-0	4-0	1-0	3-6	1-0	2-6	1-0	2-0	1-0	1-9	1-0	7	14	5#5	4	8	4#4	2	4	2#4	1	2	1#4	1/4	1	1#4	5-0	3-0				
16"	5-0	4-6	4-6	3-0	3-6	2-0	1-6	2-0	1-6	2-0	7-6	1-0	5-0	1-0	4-0	1-0	3-0	1-0	2-0	1-0	13	25	5#5	7	14	5#5	4	5	4#4	2	4	2#4	1	2	1#4	6-0	5-0				
20"	6-5	6-0	5-0	4-6	4-0	3-0	2-0	2-6	2-0	2-6	8-8	1-0	5-0	1-0	3-6	1-0	2-3	1-0	2-0	1-0	20	40	5#5	11	23	5#5	5.5	12	3#4	3	6	2#4	3	6	2#4	6-0	5-0				
24"	8-0	7-6	6-6	5-6	4-6	3-6	2-0	3-9	7-9	1-6	6-0	1-6	4-0	1-6	2-9	1-6	2-6	1-6	3-0	60	60	5#5	17	18	5#5	8	16	4#5	4	8	3#4	4	8	3#4	7-0	6-0					
30"	10-0	9-0	7-6	6-0	5-0	4-0	2-0	3-0	2-0	5-0	9-9	1-6	7-0	1-6	5-0	1-6	3-0	1-6	3-3	1-6	44	90	5#5	25	50	5#5	12	25	5#5	6	13	4#4	6	14	4#4	8-6	7-9				



NOTES:
 1. TYPE 1 BEDDING STANDARD FOR TYPE WATER PIPE SPECIFIED EXCEPT WHERE SPECIAL BEDDING IS REQUIRED. - NO SPECIAL PAY ITEM FOR TYPE 1 BEDDING.

STANDARD PIPE FOUNDATION DETAILS FOR PRESSURE PIPE
 N.T.S.



NOTES TO CONTRACTOR:
 1. VOLUME OF CONC. FOR VERTICAL OVERBEND ON WATER MAINS, SHALL BE SIZED FOR THE PRESSURE AT THE PUMP STATION, +100 P.S.I. SURGE BY THE RESIDENT ENGINEER.
 2. NO SPECIAL PAY ITEM FOR REINFORCING RODS REQUIRED IN OVERBENDS.
 3. REFER TO BRANCH SIZE FOR SIZE OF TEE.
 4. DO NOT ALLOW CONCRETE THRUST BLOCK MATERIAL TO COVER FITTING CONNECTIONS.

STANDARD MASS CONCRETE THRUST BLOCKING FOR ALL PRESSURE PIPE
 N.T.S.

GENERAL NOTES:

1. The Engineer does not warrant the plans to be complete or accurate with respect to the location of existing underground utilities. Locations of existing utilities on these drawings are approximate based on information furnished by the Owner, utility representative, and by site visit. Existing underground utilities and telephone cables indicated herein for the convenience of the Contractor have not been field located. The Contractor shall be responsible for field locations of existing utilities as necessary during the layout and construction phase of the project. The Contractor shall contact DOTTE and coordinate with all existing utility representatives when working in the area of any of their lines. It is the Contractor's responsibility to verify existing utility locations ahead of construction to avoid damage or disruption. The Contractor shall be responsible for all costs incurred due to the damage. No additional compensation will be considered for any required relocation, temporary support, protection or other costs involved with or about these utilities.
2. All mains and services shall be installed with a minimum cover of 30" or as required by the drawings.
3. N.I.C.—When used on the drawings, means Not in Contract. N.S.P. — No Separate Pay. U.O.S. — Unless otherwise specified on the plans proposal forms and/or spec. provisions.
4. Fittings for PVC water pipe 2" and smaller shall be PVC fittings. No separate pay item. Include cost of PVC fittings in the pipe unit price. Couplings used for the Contractor's convenience, such as connecting to pipe jacked and bored, shall be included in the pipe unit price. Fittings for mains 6" and larger shall be ductile iron, full body type. Separate pay item per ton.
5. The Contractor shall notify all owners of livestock which may be affected by the temporary removal of fences, gates, and cattle guards. The Contractor shall maintain temporary fence and gate openings. Fences, gates, and cattle guards disturbed by the Contractor shall be repaired to the condition existing prior to construction immediately after completing the line installation for which the fence was disturbed.
6. The contractor shall receive no extra pay for fence crossings, cattle guard crossings, or removal and replacement of any culvert pipe. The price of such shall be included in other bid items. A fencing material pay item is provided for replacement of fencing materials damaged through no fault of the Contractor.
7. The Contractor shall maintain drainage through all drainage structures, culverts, ditches, water courses, etc. affected by the installation of the work. The Contractor shall restore all such drainage structures, culverts, ditches, etc. to their original condition at no separate pay.
8. The Contractor shall restore to their original condition any signs, mail boxes, culverts, Posted or No Trespassing signs, etc. disturbed by him.
9. The Contractor shall adequately brace all power poles, service poles, etc. in the vicinity of the construction.
10. All areas disturbed by construction shall be fine graded, seeded and fertilized in accordance with Technical Specification Section 31 25 00, such that all water drains off the disturbed areas. Compensation included in unit price for pipe.
11. The Contractor shall provide all temporary utilities such as electricity and water necessary to test and complete his various items. The Owner will pay for any permanent utility meter deposits; however, the Contractor shall be responsible for any utility bills incurred until the facility is turned over to the Owner for use.
12. The Contractor shall not stockpile excavated materials on any portion of the roadway surface. If necessary, the Contractor will haul off the excavated materials and haul it back in to backfill. No separate pay will be allowed for hauling off the excavated material and hauling it back in when backfilling. The cost of the haul off and haul in shall be included in the price bid for the applicable item of work.
13. All unusable materials resulting from the work shall become the property of the Contractor and shall be removed from the job site and disposed of as approved by the State of Louisiana. Compensation for this work shall be included in various unit prices or lump sum items of the Bid Schedule.
14. The Contractor shall coordinate his construction schedule with the Owner's representative, that an inspector will be on the job at critical times during construction.
15. The Contractor shall provide for and maintain local traffic at all times during construction. He shall erect all necessary temporary barricades, warning signs, lights, and flag men needed during construction. All temporary signage shall be in accordance with the MUTCD (latest edition) and the La. DOTD Specifications for Roads and Bridges (2006 Edition). No direct payment.
16. Water for construction or testing purposes is available to the Contractor(s) from the Owner at specifically designated locations in limited quantities at a charge of \$3.50/1000 gallons. The Contractor shall make his arrangements with the Owner. All other utility requirements shall be furnished by the Contractor at his expense. The Contractor shall provide the means and equipment as approved by the Engineer, to obtain and measure the water used. Contractor shall provide for proper backflow prevention when obtaining temporary water.
17. The Contractor alone shall be solely and completely responsible for conditions of the job site, including safety of all persons and property during performance of the

- work. This requirement will apply continuously and not be limited to normal working hours.
18. **SEPARATION BETWEEN WATER AND SEWER SERVICES:** A minimum of 6" shall be maintained between the proposed water mains and services and the existing sewer lines which are parallel to each other. A minimum of 18" shall be maintained between the proposed water mains and services and the existing sewer lines which are perpendicular to each other. In no instance shall the above minimum be reduced.
 19. **SITE MAINTENANCE:** The contractor shall keep the site clean of debris. Materials shall be stored and protected against the damage.
 20. **RIGHT-OF WAY:** The right-of-way herein referred to is understood to mean only the permission to use and pass through the location, street or highway or through any public or private property. The Contractor is responsible for relocation of any wires, lamps, or other overhead, surface or underground obstruction which may interfere with the operation or movement of the Contractor's equipment. The Contractor is advised that private right-of-way along the highways and roads will be obtained by the Owner when possible. Where right-of-way cannot be obtained, the Contractor shall install utility mains in the highway right-of-way. No additional compensation will be paid the Contractor for moving from private to highway right-of-way or from highway to private right-of-way. The private right-of-way will be the front 10 feet of private property, unless noted otherwise. An additional 15 feet of temporary construction easement will be acquired when possible. The mains shall be constructed within the front 5 feet of permanent utility easement or right-of-way. Elsewhere the mains are to be located in public right-of-way. The Contractor shall locate the mains within the public right-of-way when required with definitive as-built dimensions recorded from road centerline and topo features.
 21. **CLEARING AND GRUBBING:** The Contractor shall clear and grub as required for the construction of required facilities but shall not clear or grub beyond site, easement, or right-of-way boundaries. No special payment shall be made for clearing and grubbing on highway or private right-of-way. The cost for any necessary clearing and grubbing shall be included in the price bid for furnishing and installing the water main. The Contractor may, with the Engineer's approval, make pipeline deflections to avoid damage to trees.
 22. **CONCRETE:** All structural and paving concrete shall be Class D, 4000 psi average compression strength at 28 days.
 23. **DISINFECTION OF NEW WATER MAINS:** In accordance with AWWA C651 and Section 51:XII.245.C of the State Sanitary Code, water mains and other parts of the new system shall be thoroughly disinfected by the use of chlorine or chlorine compounds before being placed in use. The Contractor shall install two chlorination injection taps for each new main; one each at the terminus of each main. Chlorine is to be injected in accordance with the technical specifications. The injection tap shall be included in the unit price for pipe. Following disinfection, the Contractor shall arrange to obtain sample(s) for bacteriological testing and approval (negative health sample) for coliform organisms by SYSTEM OPERATOR at sufficient points to assure all lines have been disinfected. A copy of the test report shall be furnished to the Engineer.
 24. **REQUIRED PIPE MATERIALS:** Except where specific materials are shown on the plans and/or called for by the specifications, the water main and service material shall be as follows:
Service Pipe, 3/4" through 2" shall be black, P.E. tubing (CTS) 4710, SDR 9. Service pipe road bores shall not require casing.
Line Pipe, unless otherwise noted, shall be:
2" — PVC CL 200, SDR 21
3" and larger — PVC CL 160, SDR 26
6" and larger — AWWA C 900 PVC (where noted) — CL 100 CIPS, DR 25 (parallel to roadway) or PVC CL 160, SDR 26.
 25. **WATER MAIN TAP (TIE-IN):** The water main taps required for the tie-in of the proposed water mains to the existing water mains shall require the installation of a tapping sleeve and for the appropriate size tie-in, the required size tapping valve shall be provided. The tap shall be made while the existing line is under pressure. Contractor shall provide the drilling machine, labor, and equipment and any necessary fittings and PVC pipe to complete the assemblies in accordance with these plans and specifications. The tapping valve shall not be opened until the proposed main is complete and ready to be placed in service. The connection to existing main shall remain uncovered for a 24 hour period to check for leaks. Any leaks shall be repaired and checked again prior to backfilling. Payment included in appropriate pay item with valve box at no separate pay.
 26. **MOBILIZATION:** This work consists of preparatory work and operations, including those necessary for movement of personnel, equipment, supplies, buildings, and other facilities necessary for work on the project; the cost of bonds and required insurance; and other pre-construction expenses necessary for start of the work, excluding the cost of construction materials.

Partial payments for mobilization will be made in accordance with the following schedule up to a maximum of 10 percent of the original total contract amount, including this item, and payment of any remaining amount will be made upon completion of all work under the contract.
- Percent of Total Contract Allowable Percent of the

Amount Earned	Lump Sum Price for the Item
1st Partial Estimate	25 (limited to 10% of original total contract amount)
10	50 (limited to 10% of original total contract amount)
25	75 (limited to 10% of original total contract amount)
50	100 (limited to 10% of original total contract amount)
100	(final estimate) 100 (limited to 10% of original total contract amount)

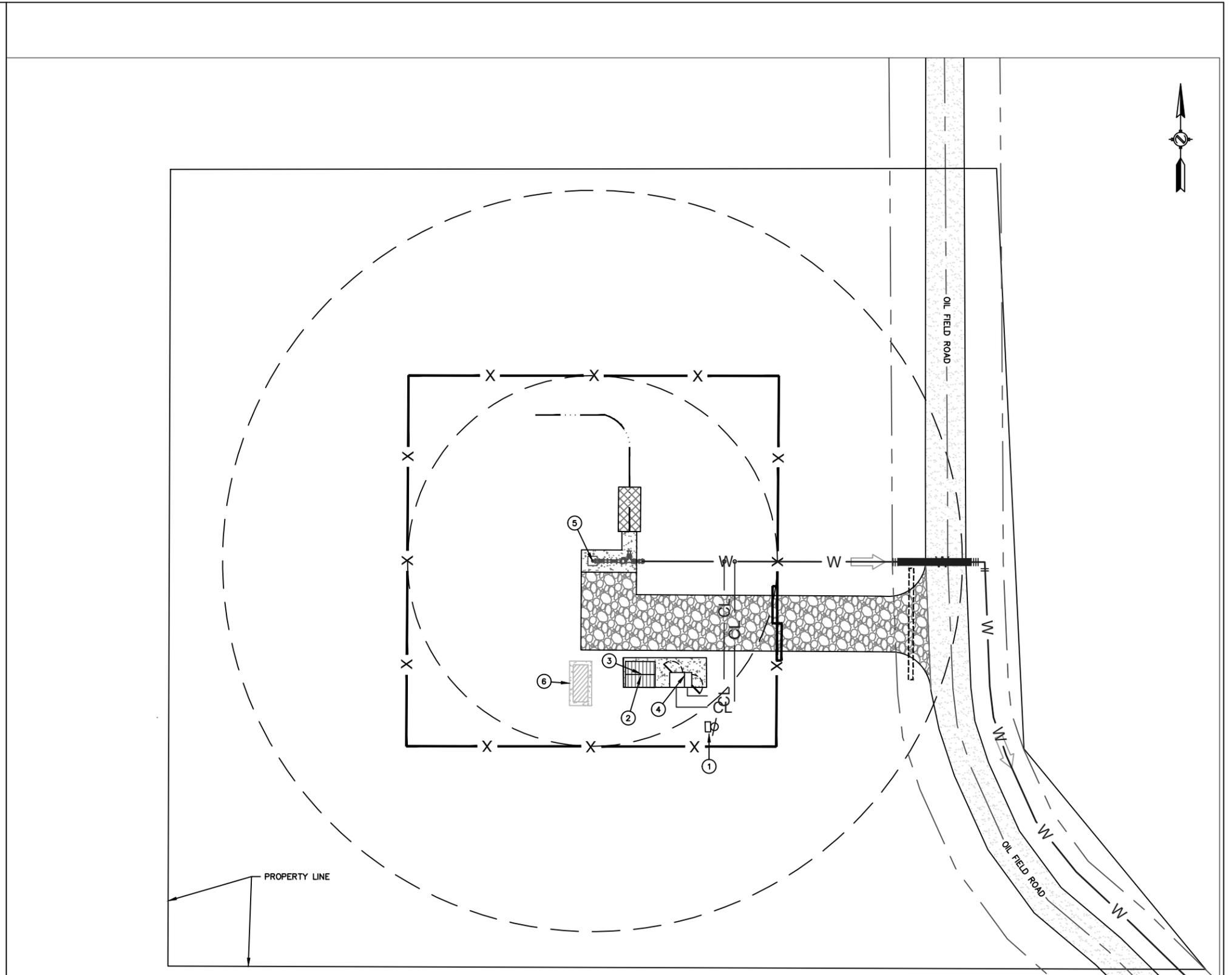
No price adjustment will be made for this item due to changes in the work, and any increased mobilization cost incurred by the Contractor due to additional work occasioned by such changes will be considered incidental to the additional work. If the contract is canceled by the Owner, the Contractor will be paid for the actual cost incurred for mobilization at the time of cancellation, which cost will not exceed the total bid under the mobilization item.

27. **RECORD DRAWINGS:** The Contractor must maintain, on the job site, a complete set of plans and specifications corrected to the actual location, sizes, depth, etc. of all facilities constructed. This information shall be provided to the Engineer as Record Drawings before acceptance of the project work. If provided by Engineer, a CD file of the construction plans shall be modified to reflect as-built conditions in compliance with final acceptance requirements.
28. **START-UP AND OPERATION OF EQUIPMENT:** The Contractor shall be required to demonstrate that all equipment and components installed operate and function satisfactorily. Personnel for start-up shall be furnished by the Contractor for sufficient time to verify the operational acceptability. Such personnel shall be a qualified representative of the equipment manufacturer. Personnel from the Owner and the Engineer may be present for familiarization. The Contractor shall provide the Owner with six copies of operation and maintenance instruction manuals for all equipment furnished. Start-up will be a prerequisite to substantial completion. Receipt of the required manuals will be a prerequisite to start up.
29. **POSSIBLE UTILITY CONFLICTS:** The proposed utility mains will cross or parallel, existing utilities at several locations. Where known, these are shown on the drawings. It is the intent of these specifications to avoid relocation of any existing utilities, if possible. The Contractor shall excavate test pits, as directed by the Engineer, to expose any potential conflicts and to ascertain the depth and exact location prior to beginning the laying of mains. The Engineer, in cooperation with the Contractor, shall determine the acceptable location of mains to be installed. Payment for test pits will be made at the contract unit price bid. Payment will be made for test pits excavated as explained elsewhere in these General Notes.
30. **REMOVE AND REPLACE EXISTING ASPHALT AND INSTALLATION OF CONCRETE OVER TRENCH:** This item includes placing tack coat and 1-1/2" of asphalt over a six inch thick concrete patch installed over the trench or excavation. No separate payment shall be made for removal of existing asphalt surface or base. Pay for furnishing and installed based on square yards measured and accepted by Engineer. Width of trench shown on the plans are maximum for which payment will be made. Owner may delete any and all of this item as he deems necessary. Contractor shall balance his bid.
31. **UTILITY NOTIFICATION:** Before beginning construction, contractor shall contact LA. One Call (800-272-3020) to advise all local utilities. The Contractor shall also be required to notify the customers at least 24 hours prior to disrupting service.
32. **JACK AND BORE PIPE MATERIAL:** PVC pipe installed by jacking and boring shall be CL 200, SDR 21. For bores up to 40' length, the pipe shall be centered under the roadway without joint. No casing required. Where pipe joints are required, the pipe shall be CL 200, SDR 21, with joint restraint installed in casing. Casing pipe paid separately. AWWA C-900 PVC pipe installed by jacking and boring shall be CL 150 CIPS, DR 18 with joint restraint. Restrained joint shall be by bell clamp as manufactured by Uni-Flange or Sigma. The restraint device shall be IPS for PVC, CIPS for C-900.
33. **PLAN CHANGE FOR REROUTING:** The contractor may request a plan change for rerouting required water lines to avoid conflicts with existing underground structures. Where such changes are approved by the Engineer for the Contractor's convenience, there shall be no additional cost to the Owner.
34. **CONCRETE, ASPHALT AND/OR GRAVEL DRIVES, STREETS, ETC.** Surfaces removed and replaced as indicated on the plans shall be paid for under the appropriate bid items for surface repair. Payment for jack and bore of pipe under hard surface drives, streets or roads as indicated on the plans shall be paid for by the lineal foot. There will be no payment for jack and bore of gravel surfaces unless such activity is requested by the Owner or Engineer. All gravel surfaces shall be open cut. Where water mains or service lines are installed by jack and bore, payment will be for quantity of bore plus quantity of water line installed. Length of borings shown on the plans are approximate. Length of bore for road crossings shall be from toe to toe of foreslope, approved by the Engineer.
35. **TEST PITS:**
A. When ordered and at the location directed by the Engineer and before any lines or grades are given by the Engineer, test pits shall be dug by the Contractor where necessary throughout the various streets or rights-of-way in which the work is to be constructed or in the immediate adjacent areas and a determination shall be made of the actual location of the existing underground structure.

- B. Measurement of test pits for payment shall be limited to the actual length, width and depth of excavation necessary to determine the required information as determined by the Engineer.
 - C. Compensation for test pits shall be made at the unit price bid per cubic yard in the Bid Schedule for Test Pits, Pay Item TP-1. This payment shall include all work required in the excavation of the test pits, including complete restoration to the satisfaction of the Engineer.
 36. **FIRE HYDRANTS:** New fire hydrants shall be installed at the locations shown on the plans. Payment for work related to fire hydrant installation shall be under the appropriate bid item per each. It is intended that all new fire hydrants shall be standard bury. Should extensions be required due to ground conditions, rises, ditches, etc., the Contractor may be directed to adjust location of proposed hydrant, rotate the Gradelok fitting manufactured by Assured Flow Sales, Inc. (800-933-6695) or approved equal or both by the Engineer or his representative.
 37. **SEQUENCE OF CONSTRUCTION:** Unless approved otherwise, the sequence of construction shall be as follows:
 1. Install all water mains, valves and misc assemblies.
 2. Install tapping sleeves and valves and chlorination taps.
 3. Connect existing mains to new mains.
 4. Flush lines.
 5. Have lines pass pressure test.
 6. Chlorinate line.
 7. Obtain negative health sample.
 8. Clean and grade construction areas.
 9. Fertilize and seed.
 38. **PAINTING METAL VAULT LIDS:** If the metal cover has not been shop coated as allowed in these specifications, it shall be blast-cleaned to remove all visible rust, mill scale, paint, and other foreign substance down to bright metal and primed and top coated as specified in these specifications. (See Section 352-1.14) for FINISH NO. 1. Shop-coat metal shall be protected from corrosion before and after installation by treating corroded areas immediately upon detection. Abraded or corroded spots on shop-coated surfaces shall be wire-brushed and touched up with the same material as the shop coat in accordance with the manufacturer's requirements. The color shall be as approved by the Owner.
 39. **TRENCH EROSION BARRIER:** Installation shall be as described and detailed on the construction plans. The Contractor shall utilize sacks of Portland Cement or Concrete Mix at his option. Payment shall be per each trench erosion barrier complete as directed by the Engineer.
 40. **RIP RAP:** Concrete sack rip rap shall be placed following final grading operations for purpose of bank stabilization. Payment shall be by the square yard field measure following installation in areas as designated on the plans and/or directed by the Engineer. The concrete sack rip rap shall be placed 5 feet either side of the water main. Adjacent sacks shall be laid on 1/2 sack stagger.
 41. **SERVICE ASSEMBLIES:** Service assemblies shall be 5/8" x 3/4" unless otherwise indicated on the plans. These assemblies may be installed, at Contractor's option, before or after pressure testing mains. Services lines and service assemblies shall not leak. Typical meter location shall be on customer's private property within two feet of road right-of-way. Exact meter location shall be as directed by Engineer or Owner's representative.
 42. **NON-CORROSIVE CONDUCTOR:** The Contractor shall install a non-corrosive conductor over all non-conductive water mains and services lines located on state highway rights-of-way. (Ref. Section 33 10 00)
 43. **LAYOUT OF WORK:** The contractor shall, at his own expense layout the work in accordance with the alignment shown on the plans. Minimum offsets from the apparent R/W line and noted existing utilities are provided. The Contractor shall coordinate his activities with the Engineers and the location of all lines, connections, services, fencing, etc., shall be subject to his concurrence prior to commencement of construction.
 44. **PROJECT SIGN:** One (1) project sign per detail on the attached drawing (see Appendix) shall be furnished, erected, and removed after project completion by the Contractor at a location selected by the owner. Erection shall be during initial mobilization on site and prior to first pay estimate. Contractor shall maintain the sign for the life of the project. No separate payment for furnishing and erecting of the sign shall be provided.
 45. **MIN. DEPTH OF SURFACING WATER CROSSINGS:** Contractor shall maintain a minimum depth of 5.0' under all underwater crossings. Final depth shall be verified by inspector for as-built drawings. If minimum depth is not met, the contractor will be required to re-install the proposed utility main.
 46. **OPEN CUT INSTALLATION:** Contractor shall install all required components as per Technical Specification 33 10 00-3 "Construction Methods." Additionally, the contractor shall ensure that all stones and/or debris has been cleared for a depth of at least six inches below the bottom of the pipe.
- Notes 30, 34, 38, & 39 N.I.C.

	<p>SHULER CONSULTING COMPANY CIVIL ENGINEERING DESIGN & CONSULTING SERVICES 230 GRANDVIEW DRIVE CHATHAM, LA 71226 PHONE: (318) 249-3030 FAX: (318) 249-3040</p>	<p>GENERAL NOTES</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>DESIGNED BY: HAS</td> <td>REV. NO.</td> <td>DATE</td> </tr> <tr> <td>DRAFTED BY: LGO</td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY: HAS</td> <td></td> <td></td> </tr> <tr> <td>SCALE: N/A</td> <td></td> <td></td> </tr> <tr> <td>PROJ. NO: 3511</td> <td></td> <td></td> </tr> <tr> <td>DATE: MAY, 2025</td> <td></td> <td></td> </tr> </table>	DESIGNED BY: HAS	REV. NO.	DATE	DRAFTED BY: LGO			CHECKED BY: HAS			SCALE: N/A			PROJ. NO: 3511			DATE: MAY, 2025			<p>BELAH FELLOWSHIP WATER SYSTEM, INC. WATER PRODUCTION SYSTEM IMPROVEMENTS, WELL NO. 5</p>	<p>SHEET NO. C12 OF C12</p>
DESIGNED BY: HAS	REV. NO.	DATE																					
DRAFTED BY: LGO																							
CHECKED BY: HAS																							
SCALE: N/A																							
PROJ. NO: 3511																							
DATE: MAY, 2025																							

ITEM NO.	ITEM DESCRIPTION & NOTES
1	PROVIDE 30' CLASS 6 SERVICE POLE WITH RISER, METER CAN, & FUSED DISCONNECT SWITCH
2	PROVIDE AUTOMATIC TRANSFER SWITCH & SCADA RTU ON THIS SIDE OF ELECTRICAL RACK
3	PROVIDE PANEL "B" & VFD ON THIS SIDE OF RACK
4	JUNCTION BOX IN CHLORINE BLDG
5	WELL HEAD
6	FUTURE GENERATOR



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 PHONE: (318) 249-3030 FAX: (318) 249-3040

ELECTRICAL SITE PLAN - WELL NO. 5

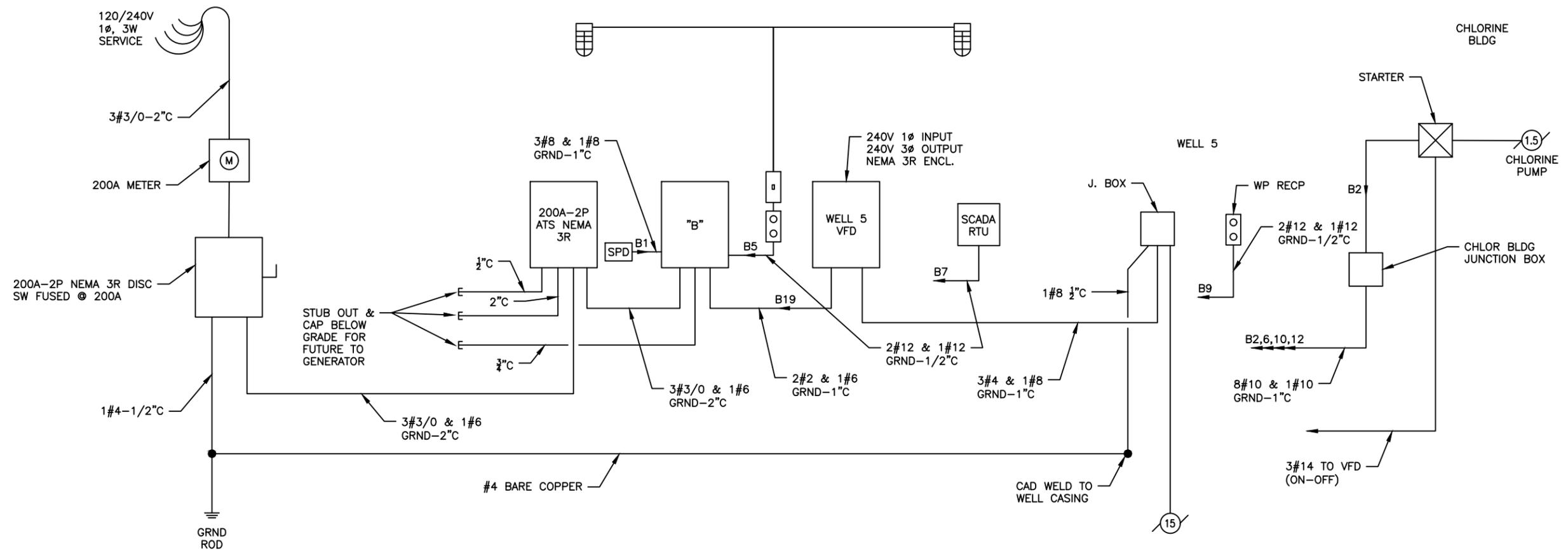
DESIGNED BY:	REV. NO.	DATE
RJD		
DRAFTED BY:		
GOD		
CHECKED BY:		
DBS		
SCALE:		
1" = 30'		
PROJ. NO:		
3511		
DATE:		
DECEMBER, 2025		

BELAH FELLOWSHIP WATER SYSTEM, INC.
 WATER PRODUCTION SYSTEM IMPROVEMENTS,
 WELL NO. 5

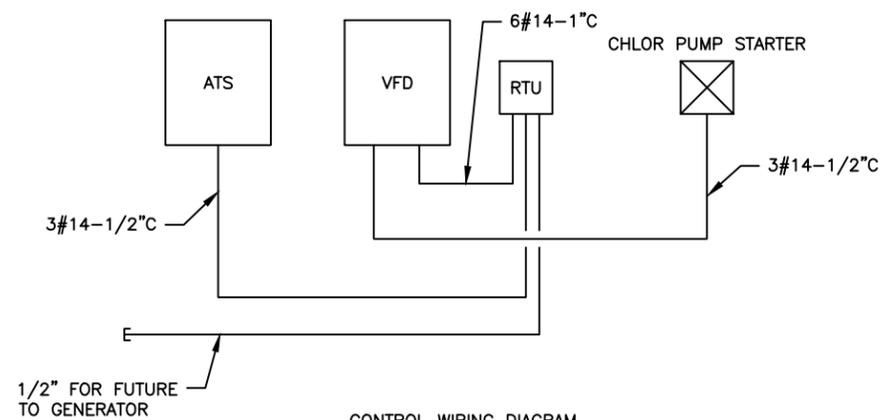
SHEET NO.

E1 OF E2

MATCHLINE 1



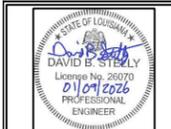
ELECTRICAL RISER DIAGRAM
N.T.S.



CONTROL WIRING DIAGRAM
N.T.S.

NEMA 3R 225A MLO PANEL
FOR 120/240V 1Ø 3W SERVICE
INTERRUPTING RATING: 10,000 AMPS

CKT NO.	TRIP AMPS	NO. POLES	LOAD SERVED	PHASE LOAD VA		LOAD SERVED	CKT NO.	TRIP AMPS	NO. POLES
				A	B				
1	40	2	SPD	1,200	-	CHLORINE PUMP	2	20	2
3	-	-	-	-	1,200	-	4	-	-
5	20	1	RACK LTS & RECP	500 1,000	-	CHLOR BLDG HTR	6	20	2
7	20	1	MISSION RTU	-	500 1,000	-	8	-	-
9	20	1	WELL HEAD RECP	1,000 1,000	-	CHLOR BLDG LTS & FAN	10	20	1
11	20	1	FUTURE ENG HTR	-	1,000 1,000	CHLOR BLDG RECP	12	20	1
13	20	1	FUTURE BTRY CHGR	500	-	SPARE	14	20	1
15	20	1	SPARE	-	-	SPACE ONLY	16	-	-
17	20	1	SPARE	-	-	SPACE ONLY	18	-	-
19	125	2	WELL VFD	-	8,400	SPACE ONLY	20	-	-
21	-	-	-	8,400	-	SPACE ONLY	22	-	-



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ELECTRICAL RISER DIAGRAM & PANEL SCHEDULES

DESIGNED BY: RJD	REV. NO.	DATE
DRAWN BY: GOD		
CHECKED BY: DBS		
SCALE: N/A		
PROJ. NO: 3511		
DATE: DECEMBER, 2025		

BELAH FELLOWSHIP WATER SYSTEM, INC.
WATER PRODUCTION SYSTEM IMPROVEMENTS,
WELL NO. 5

SHEET NO.
E2 OF E2