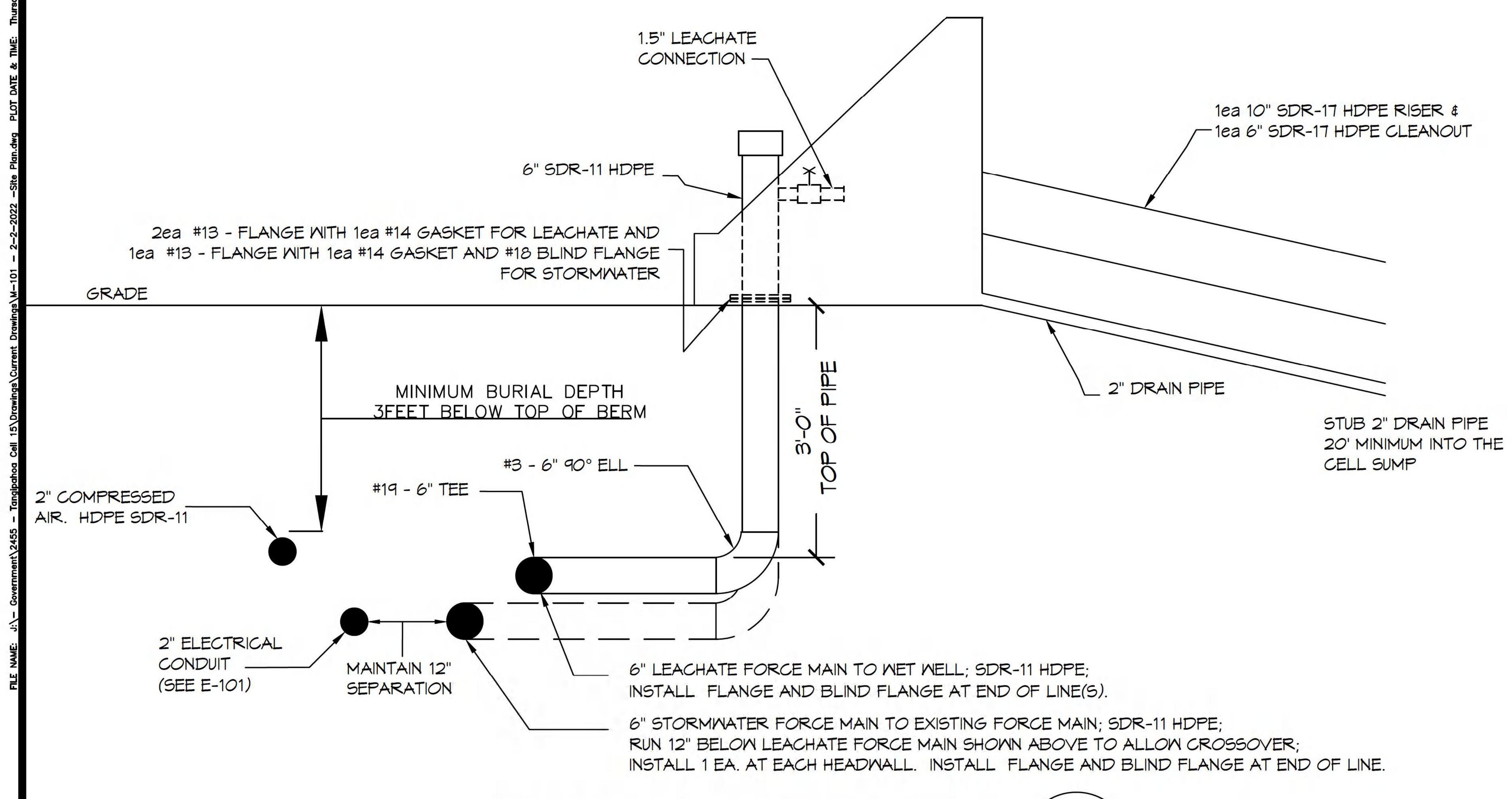


TYPICAL CELL HEADWALL 2 M101 M101
N.T.S.

GENERAL NOTES:

1. PROVIDE ALL LABOR, MATERIAL AND EQUIPMENT FOR A COMPLETE OPERATING SYSTEM. THE SYSTEM SHALL INCLUDE PIPING, VALVES, FITTINGS, AND SUPPORTS WITHOUT ANY RESTRICTIONS TO VOLUME. CONTRACTOR TO CONSTRUCT NEW RISERS WITH CONNECTORS FOR RAIN WATER PUMPS AT EACH HEADWALL.

2. CONTRACTOR SHALL PROVIDE LISTED EQUIPMENT FROM MANUFACTURE LISTED OR EQUAL.

3. ALL WORK AND MATERIAL SHALL CONFORM STRICTLY TO THE LATEST LOCAL, CITY, PARISH, STATE, DEQ AND NATIONAL GOVERNING CODES.

4. CONTRACTOR INSTALLING HDPE PIPE SHALL BE CERTIFIED BY THE MANUFACTURER TO INSTALL HDPE PIPING.

5. CONTRACTOR IS TO FIELD VERIFY ALL EXISTING UTILITY LOCATIONS, ELEVATIONS AND SIZES PRIOR TO COMMENCING ANY WORK. CONTRACTOR SHALL PAY NECESSARY FEES FOR PERMITTING.

6. CONTRACTOR IS RESPONSIBLE TO VERIFY THE EXISTING INVERTS AND SET NEW INVERTS OF FORCE MAIN AND LEACHATE RISER PIPES.

7. FITTINGS SHALL BE MANUFACTURED FROM A HDPE, SDR-11 (HIGH DENSITY POLYETHYLENE) COMPOUND PER ANSI B-16.40, ASTM D2513 DOT PART 192 AND MANUFACTURED IN ACCORDANCE WITH ISO 9002. ALL FITTINGS SHALL BE PRODUCED TO SCHEDULE 80 DIMENSIONS. PRODUCTS SHALL BE PRESSURE RATED FOR A MINIMUM OF 160 PSI USING QUALITY ASSURANCE TEST REQUIREMENTS OF THESE STANDARDS WITH REGARD TO DIMENSIONS, WORKMANSHIP, BURST PRESSURE, FLATTENING RESISTANCE AND END PRODUCT QUALITY. ALL VALVE DIAPHRAGMS AND SEATS SHALL BE PTFE; VALVE O-RINGS SHALL BE EPDM OR VITON® AS APPLICABLE. ALL VALVE UNION NUTS SHALL HAVE BUTTRESS STYLE THREADS. ALL VALVE COMPONENTS SHALL BE REPLACEABLE. ALL SYSTEM COMPONENTS SHALL BE MANUFACTURED BY AN ISO CERTIFIED MANUFACTURER.

8. HDPE SDR 17 PIPE MATERIAL USED FOR THE MANUFACTURING OF POLYETHYLENE PIPE SHALL BE PE 3408 HIGH DENSITY POLYETHYLENE (HDPE), MEETING THE ASTM D3350 CELL CLASSIFICATION 345464C. POLYETHYLENE PIPE SHALL BE MANUFACTURED IN ACCORDANCE WITH AWWA C906, CONSISTENTLY MEETING AND/OR EXCEEDING THE QUALITY ASSURANCE TEST REQUIREMENTS OF THIS STANDARD WITH REGARD TO PRESSURE RATING, MATERIAL, WORKMANSHIP, BURST PRESSURE, FLATTENING, IMPACT RESISTANCE, AND EXTRUSION QUALITY. PRESSURE RATINGS FOR SDR-17 PIPE SHALL BE A MINIMUM OF 100 PSI (PE3408) OR 125 PSI (PE4710) FOR PIPE SIZES 4" TO 14", IPS (IRON PIPE SIZE). THE PIPE SHALL BE MANUFACTURED IN THE USA, USING DOMESTIC MATERIALS, BY A CERTIFIED HDPE MANUFACTURER. ALL PIPES SHALL BE STORED INDOORS AFTER PRODUCTION AT THE MANUFACTURING SITE UNTIL SHIPPED FROM FACTORY.

9. BUTT FUSION SHALL BE USED TO JOIN INDIVIDUAL LENGTHS OF PIPE IN THE FOLLOWING SEQUENCE.
   A. SECURE COMPONENTS TO BE JOINED WITH CLAMPING DEVICE(S).
   B. FACE PIPE ENDS TO MEET MANUFACTURERS SPECIFICATIONS, USING A ROTATING PLANNER BLOCK.
   C. PROPERLY ALIGN PIPE.
   D. HEAT ENDS OF PIPE TO MANUFACTURER'S RECOMMENDATION AND BRING TOGETHER AT RECOMMENDED FORCE USING A HYDRAULIC MACHINE THAT WILL APPLY MANUFACTURER'S SPECIFIED FORCE, FOR THE PIPE SIZE.
   E. HOLD PRESSURE ON PIPE JOINT FOR TIME SUFFICIENT TO DEVELOP THE REQUIRED STRENGTH, AS RECOMMENDED BY THE MANUFACTURER.
   F. REMOVE THE INTERIOR BEAD, USING MANUFACTURER'S RECOMMENDED EQUIPMENT.
   G. ALL JOINTS SHALL BE INSTALLED SUCH THAT THE CONNECTION OF PIPE SECTION SHALL BE WATERTIGHT AND FORM A CONTINUOUS LINE FREE FROM IRREGULARITIES IN THE FLOW LINE.

10. TRENCH WIDTH SHALL BE IN ACCORDANCE WITH ASTM D2321 AND SHALL BE SUFFICIENT TO ENSURE WORKING ROOM TO PROPERLY AND SAFELY PLACE AND COMPACT HAUNCHING AND OTHER BACKFILL MATERIALS. TRENCH WIDTH SHALL INCLUDE SUFFICIENT AREA FOR HDPE FORCE MAIN AND ELECTRICAL CONDUITS WITH A MINIMUM SEPARATION OF 12". MINIMUM BACKFILL DEPTH SHALL NOT BE LESS THAN 36" WHERE VEHICULAR TRAFFIC CAN BE PRESENT AND 24" WHERE WASHOUT OCCURS.

11. TEST ALL PIPING AT REQUIRED PRESSURE.

12. THE DRAWINGS INDICATE SIZE AND GENERAL LOCATION OF WORK. SCALE DIMENSIONS SHALL NOT BE USED. THE EXACT LOCATION AND LOCATION OF ALL RISERS SHALL BE DETERMINED BY ACTUAL CONDITIONS IN THE FIELD.

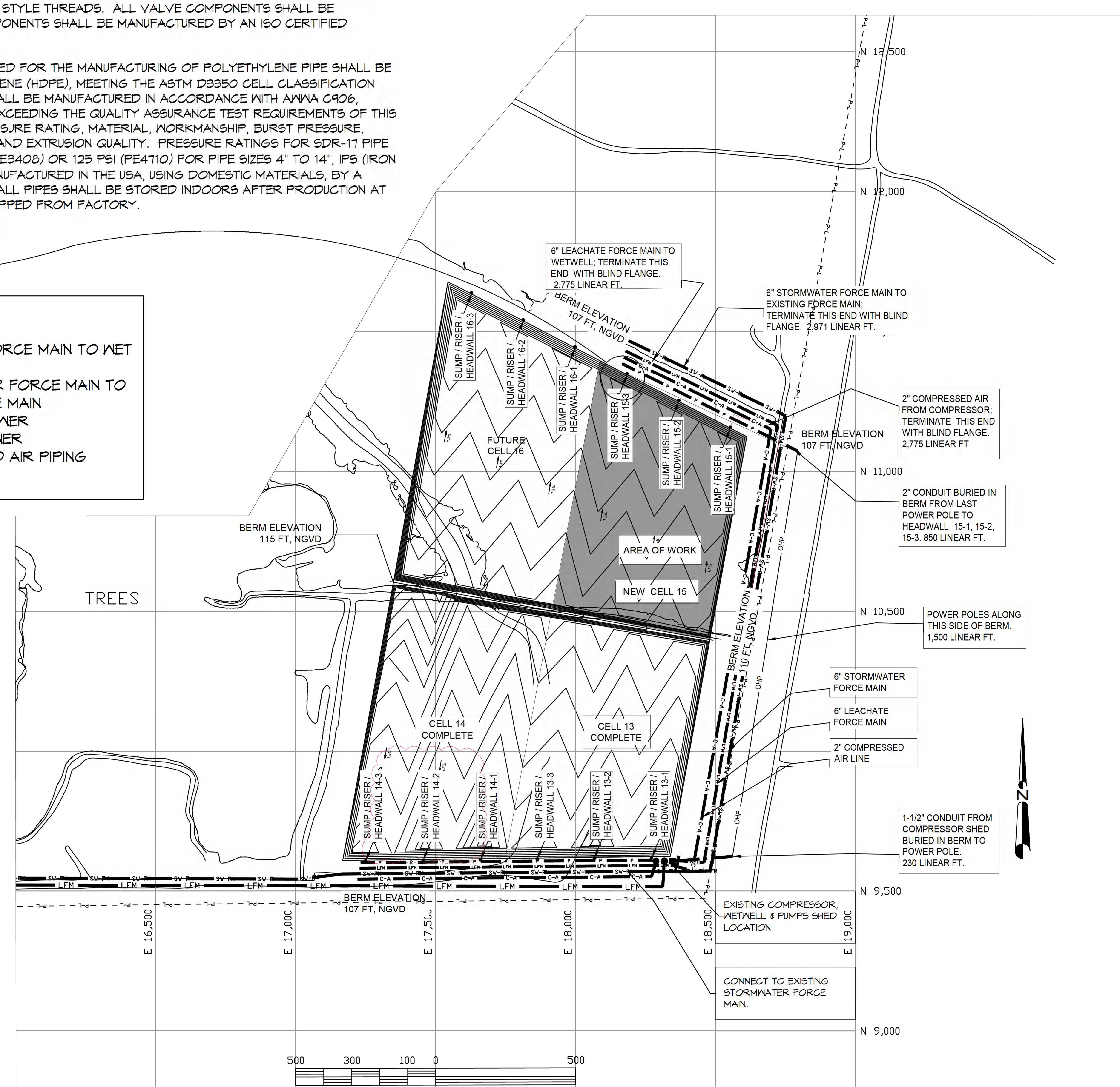
13. ALL FORCE MAINS AND PIPING NOT SHOWN FOR CLARITY, ALL LOCATIONS FIELD VERIFIED.

GENERAL CONSTRUCTION NOTES

1. ALL MATERIALS AND WORK, INCIDENTAL TO THE CONSTRUCTION OF THIS PROJECT, SHALL CONFORM TO ALL GOVERNING CODES, AND REGULATIONS OF AGENCIES IN AUTHORITY.
2. CONTRACTOR SHALL PROVIDE ALL PUBLIC PROTECTIONS NECESSARY AS REQUIRED BY LAW.
3. THE DRAWINGS, SPECIFICATIONS AND ANY SUBSEQUENTLY ISSUED ADDENDA, AMENDMENTS OR SUCH CHANGE ORDERS APPROVED BY THE OWNER AND THE CONTRACTOR ARE PART OF THESE CONTRACT DOCUMENTS.
4. CONTRACTOR SHALL WARRANT ALL WORK FOR ONE (1) YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION UNLESS SPECIFICALLY DIRECTED IN OTHER DRAWINGS, SPECIFICATIONS OR SUBSEQUENTLY ISSUED ADDENDA OR AMENDMENTS.
5. **DO NOT SCALE DRAWINGS.** CONSULT WITH THE ENGINEER REGARDING ANY ITEMS IN THE CONTRACT DOCUMENTS THAT REQUIRE CLARIFICATION.
6. TRASH SHALL BE REMOVED FROM THE SITE NOT LESS THAN TWICE MONTHLY.
7. THE GENERAL CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK AND REPORT ANY AND ALL DISCREPANCIES TO THE ARCHITECT.
8. CONTRACTOR VEHICLES AND EQUIPMENT NECESSARY FOR CONSTRUCTION MAY BE PARKED ON THE SITE. OTHER VEHICLES PARKED ON THE SITE REQUIRE THE OWNER'S PERMISSION.
9. NAMING A CERTAIN BRAND, MAKE OR MANUFACTURER IS TO DESIGNATE THE GENERAL STYLE, TYPE, CHARACTER AND QUALITY STANDARD OF THE PRODUCT DESIRED. SUBSTITUTION REQUESTS MUST BE SUBMITTED PRIOR TO BIDDING.
10. ALL MATERIALS/EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. WORK NOT CONSISTENT WITH MANUFACTURER'S RECOMMENDATIONS WILL BE REJECTED BY OWNER/ARCHITECT.

LEGEND

Line	Description
—LFM—LFM—	6" LEACHATE FORCE MAIN TO WET WELL
—SV—SV—	6" STORMWATER FORCE MAIN TO EXISTING FORCE MAIN
—P—P—	ELECTRICAL POWER
—OHP—	OVERHEAD POWER
—C-A—C-A—	2" COMPRESSED AIR PIPING



SITE PLAN 1 M101 M101

NOTE: NAMING A CERTAIN BRAND, MAKE OR MANUFACTURER IS TO DESIGNATE THE GENERAL STYLE, TYPE, CHARACTER AND QUALITY STANDARD OF THE PRODUCT DESIRED. SUBSTITUTION REQUESTS MUST BE SUBMITTED PRIOR TO BIDDING.

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#	DESCRIPTION	DATE
REVISIONS		

SEAL:

STATE OF LOUISIANA
BRIAN A. MISTICH
License No. 30187
2/2/2022
PROFESSIONAL ENGINEER

TANGIPAHOA CELL 15 LEACHATE & STORMWATER FORCEMAIN AND SUPPORTING EQUIPMENT

TANGIPAHOA REGIONAL SOLID WASTE FACILITY
57510 HANO ROAD
INDEPENDENCE, LOUISIANA

JOB No:	2455	DATE:	2/2/2022
DRAWN BY:	KJK/JTL	CHECKED BY:	KJK

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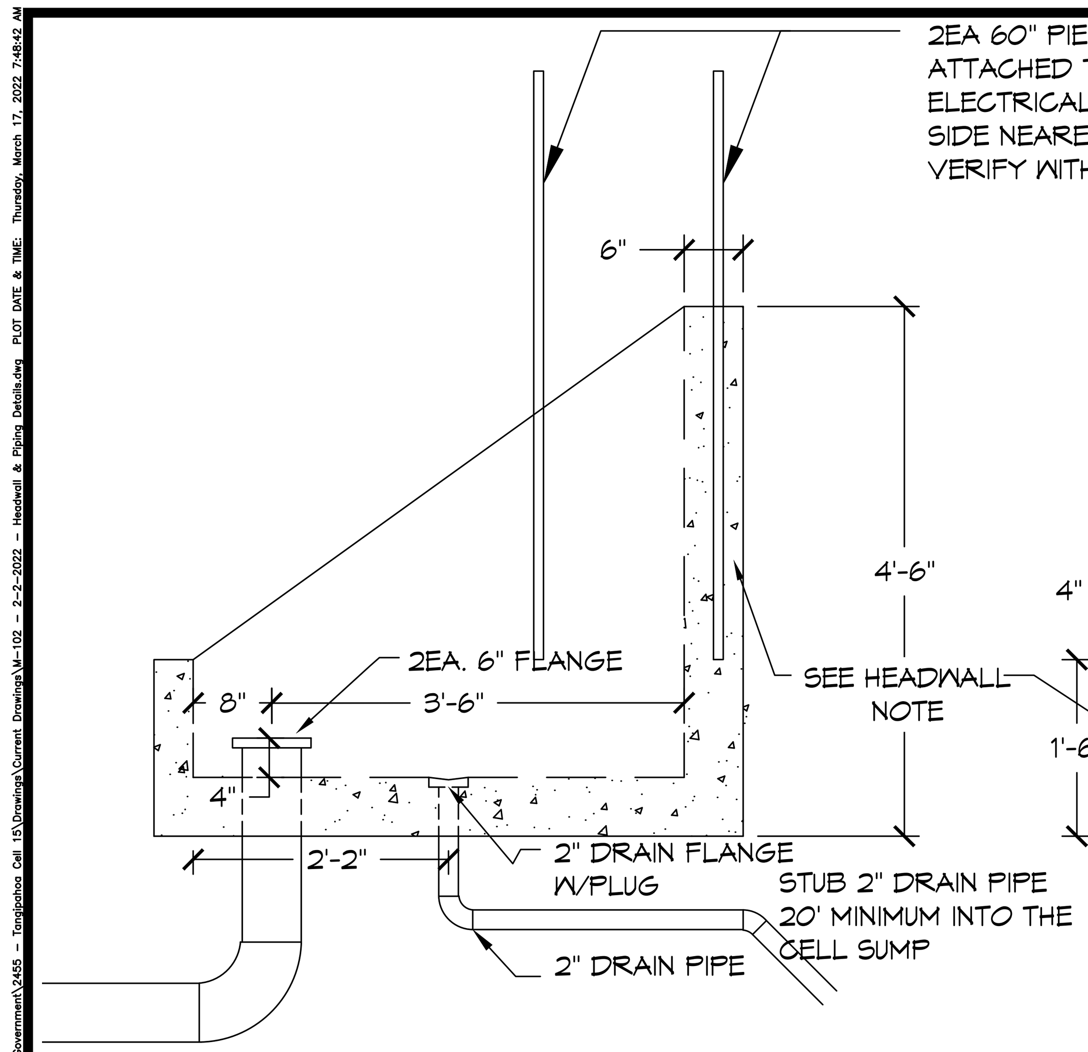
SHEET TITLE:
PARTIAL SITE PLAN

DRAWING NUMBER:
M101



CROSS-SECTION HEADWALL 4E M102 M102

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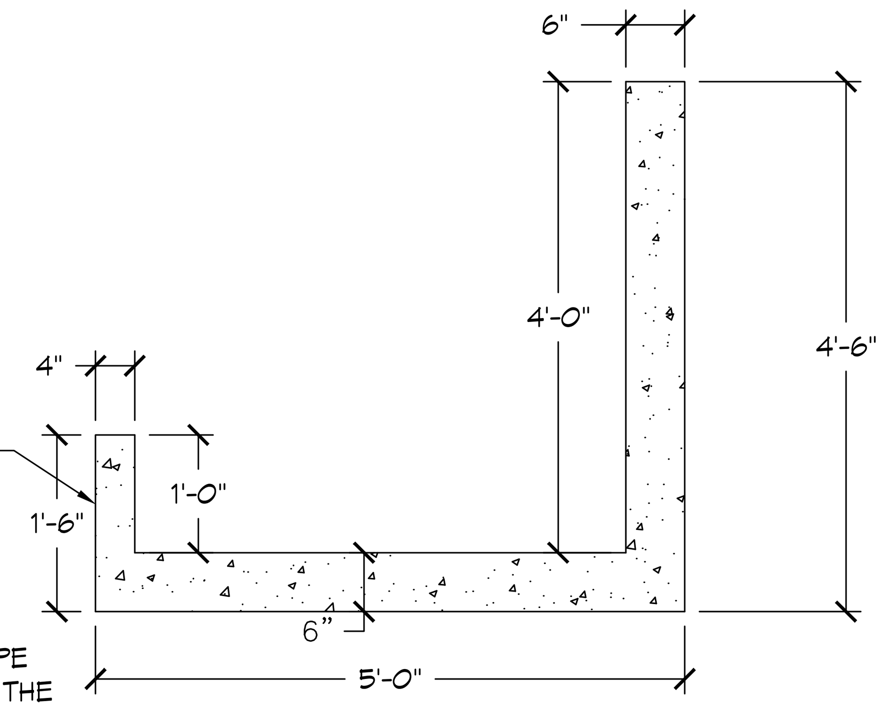

CROSS-SECTION HEADWALL 4D M102 M102

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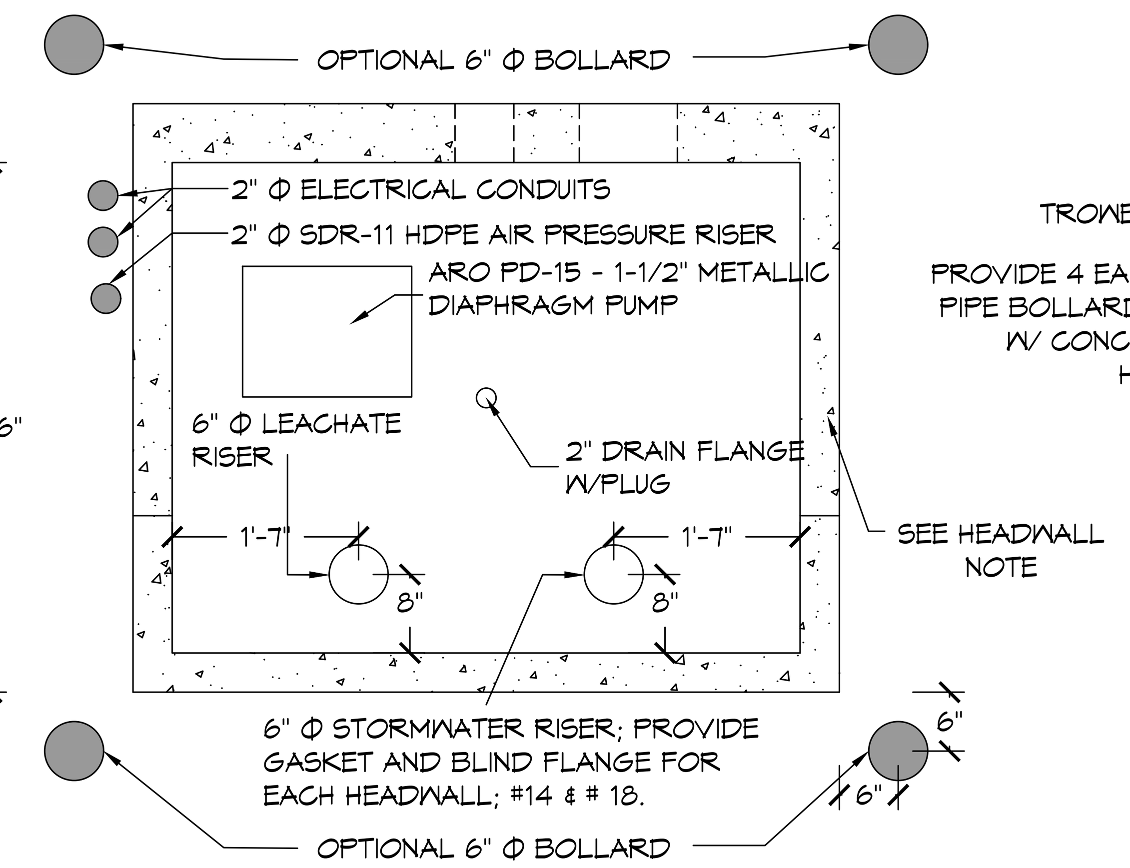
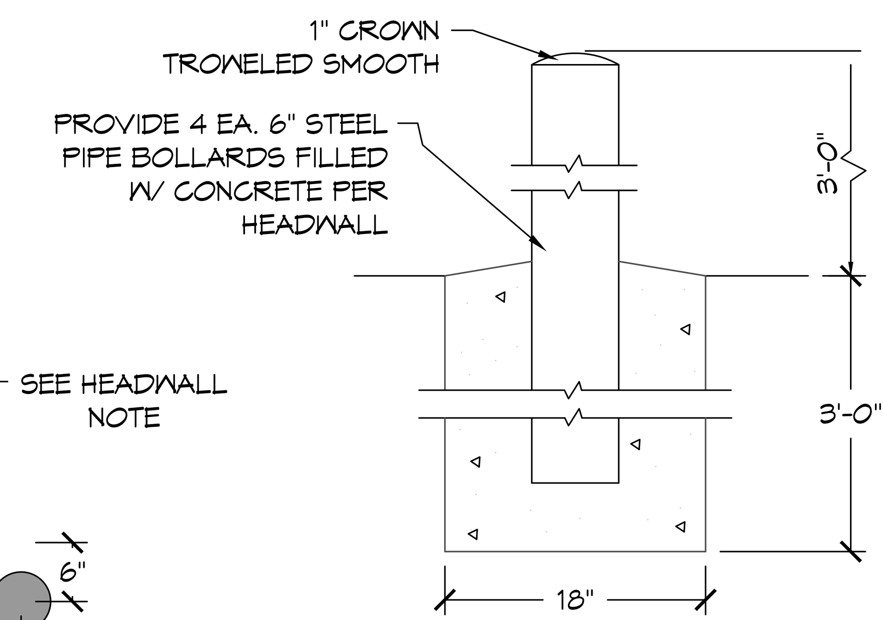


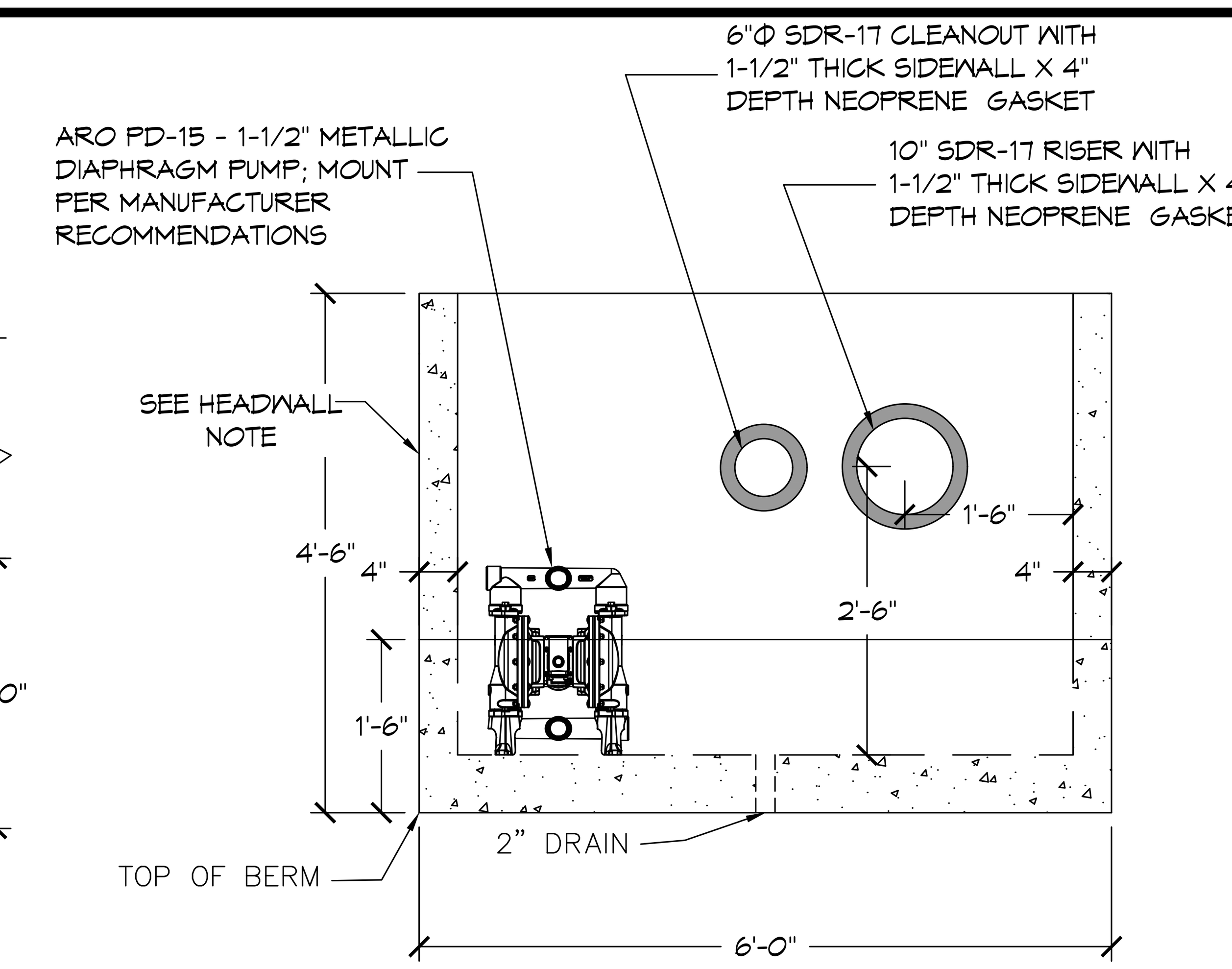
HEADWALL PLAN VIEW 4C M102 M102

N.T.S.



PIPE BOLLARD DETAIL 4B M102 M102

N.T.S. OPTIONAL



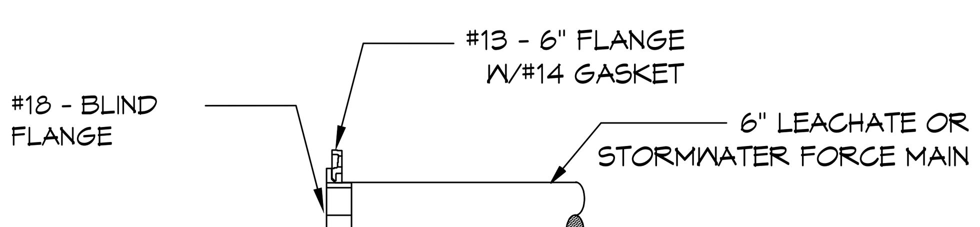
HEADWALL FRONT ELEVATION 4A M102 M102

N.T.S.

HEADWALL NOTE: CONTRACTOR SHALL USE 4,000 psi CONCRETE, #5 BARS CONTINUOUS 12" O.C., ALL EDGES SHALL HAVE A CHAMFERED EDGES. HEADWALLS SHALL BE CAST IN PLACE ONLY.

HEADWALL DETAILS 4 M102 M102

N.T.S.



6" HDPE LEACHATE & STORMWATER 3 M102 M102

N.T.S.

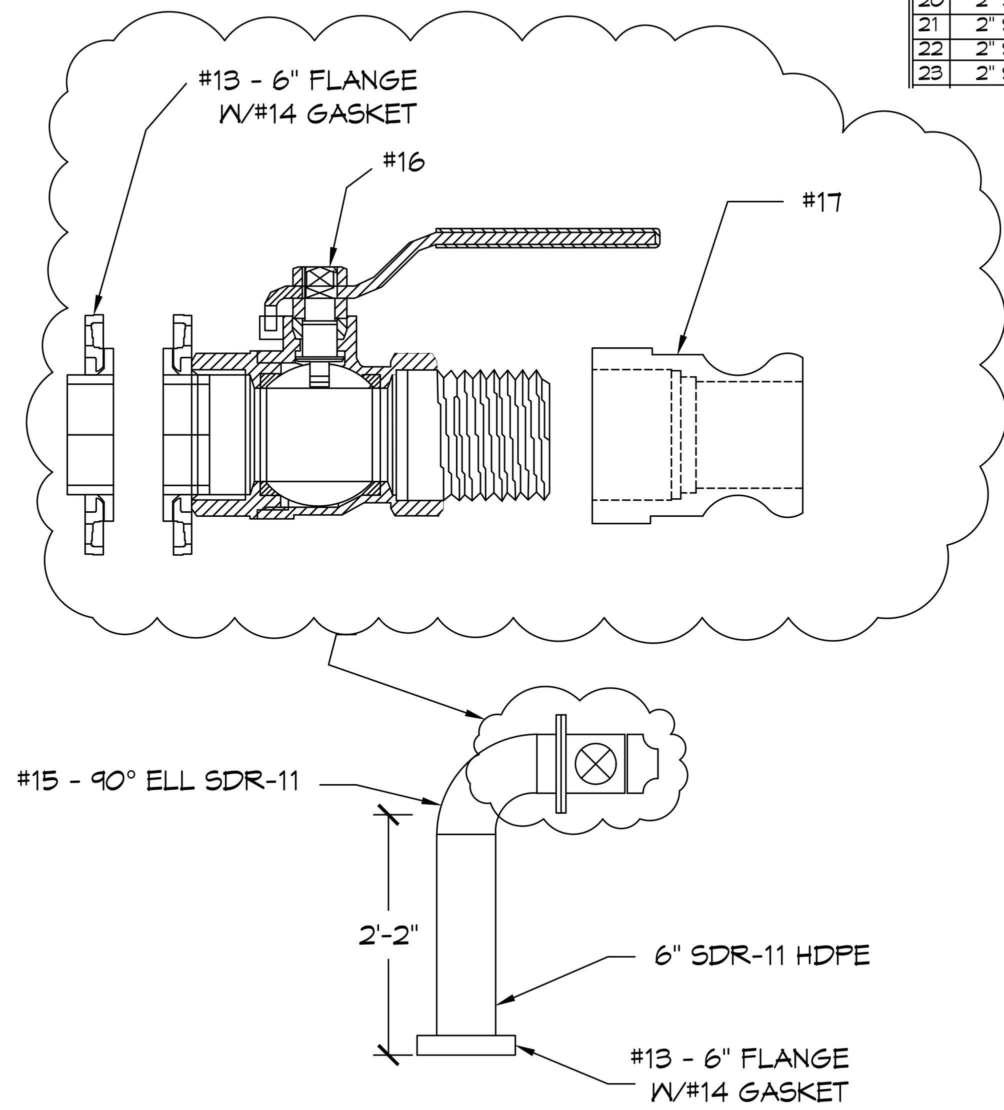
MATERIAL LIST

#	ITEM
1	1.5" SUMP STRAINER, 50 GPM; PART # CASS - 50 - 1-1/2 - NIPPLE - 100
2	1.5" SCH 80 PVC FEMALE ADAPTER NPT x SOCKET
3	1.5" SCH 80 PVC PIPE
4	1.5" PVC ZOELLER UNICHECK VALVE; PART # 30-0041 CLEAR BODY
5	1.5" FLEXIBLE SUCTION TUBING, 90 psi; STAINLESS STEEL NPTF (F) BOTH ENDS
6	1.5" POLYCAM TRANSITION HDPE TO STAINLESS STEEL
7	1.5" FLEXIBLE TUBING, 150 psi; STAINLESS STEEL CAMLOCK DISCONNECT (FEMALE) x NPTF (F)
8	1.5" STAINLESS CAMLOCK DISCONNECT (MALE) W/FEMALE PIPE THREADS
9	1.5" STAINLESS BALL VALVE W/ MALE PIPE THREADS
10	1.5" STAINLESS COLLAR
11	6" X 1.5" HDPE SADDLE
12	6" SDR-11 CAP
13	6" SDR-11 FLANGE W/CI RING
14	6" POLYETHYLENE GASKET
15	6" SDR-11 90 ° ELL
16	6" STAINLESS BALL OR GATE VALVE WITH FLANGE
17	6" CAMLOCK STANLESS (MALE) W/FEMALE PIPE THREADS
18	6" BLIND FLANGE
19	6" SDR-11 BUTT TEE
20	2" SDR-11 BUTT TEE
21	2" SDR-11 90 ° ELL
22	2" SDR-11 CAP
23	2" SDR-11 FLANGE W/CI RING

MATERIAL LIST

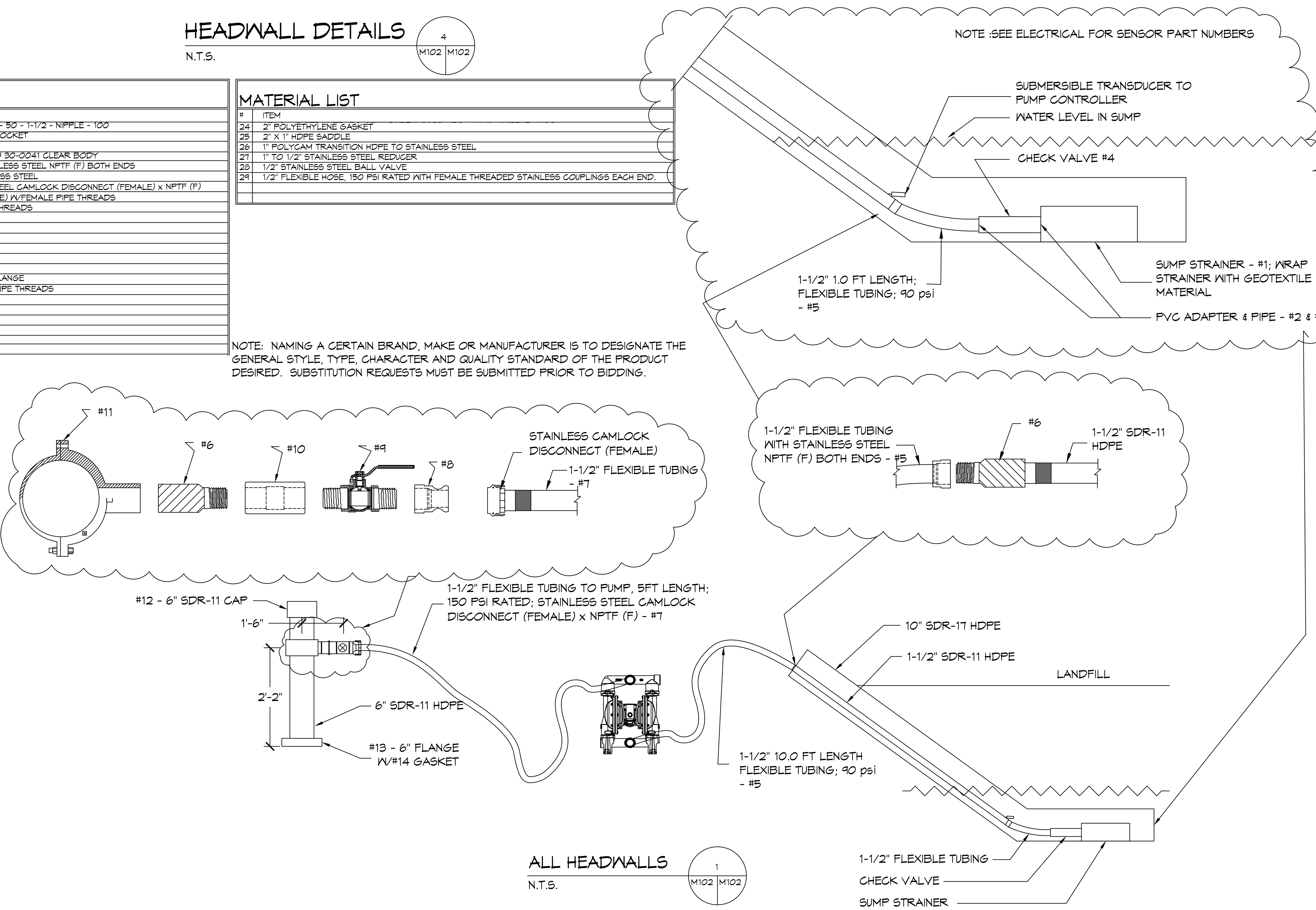
#	ITEM
24	2" POLYETHYLENE GASKET
25	2" X 1" HDPE SADDLE
26	1" POLYCAM TRANSITION HDPE TO STAINLESS STEEL
27	1" TO 1/2" STAINLESS STEEL REDUCER
28	1/2" STAINLESS STEEL BALL VALVE
29	1/2" FLEXIBLE HOSE, 150 PSI RATED WITH FEMALE THREADED STAINLESS COUPLINGS EACH END.

NOTE: NAMING A CERTAIN BRAND, MAKE OR MANUFACTURER IS TO DESIGNATE THE GENERAL STYLE, TYPE, CHARACTER AND QUALITY STANDARD OF THE PRODUCT DESIRED. SUBSTITUTION REQUESTS MUST BE SUBMITTED PRIOR TO BIDDING.



PROVIDE 2EA, CAPABLE OF ATTACHING AT EACH HEADWALL 2 M102 M102

N.T.S. STORMWATER FORCE MAIN



ALL HEADWALLS 1 M102 M102

N.T.S.

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#	DESCRIPTION	REVISIONS	DATE

STATE OF LOUISIANA
BRIAN A. MISTICH
License No. 30187
PROFESSIONAL ENGINEER
3/17/2022

TANGIPAHOA CELL 15
LEACHATE & STORMWATER FORCEMAIN AND SUPPORTING EQUIPMENT

TANGIPAHOA REGIONAL SOLID WASTE FACILITY
57510 HANO ROAD
INDEPENDENCE, LOUISIANA

JOB No:	2455	DATE:	2/2/2022
DRAWN BY:	KJK/JTL	CHECKED BY:	KJK

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SHEET TITLE:
HEADWALL & PIPING DETAILS

DRAWING NUMBER:
M102

COX RESEARCH & TECHNOLOGY LEACHATE PUMP CONTROL PANEL AND TRANSDUCER EQUIPMENT LIST, MODEL CP-5676	
QUANTITY	ITEM
1	HOFFMAN NEMA 4X ENCLOSURE, PART # CSD24201055
1	COX RESEARCH BACKPLATE/SWING PANEL, PART # CAM0242010CSD
1	SQUARE D CIRCUIT 40 AMP BREAKER, PART # QOU140
1	SQUARE D CIRCUIT 15 AMP BREAKER, PART # QOU115
1	SQUARE D CIRCUIT 10 AMP BREAKER, PART # QOU110
1	HUBBELL GFI RECEPTACLE
1	TPS SURGE SUPPRESSOR, PART # TK-LT120-15A-DIN2
1	PRECISION DIGITAL SETPOINT CONTROLLER, PART # PD6000-6R1
1	MJK SUBMERSIBLE TRANSDUCER, PART # 3400
1	ABB H.O.A. SNTCH, PART # C355110B-20
1	ABB BLUE PILOT LIGHT, PART # CL51BL
1	GONERY ALARM LIGHT, PART # R40-XLS
1	ASCO AIR SOLENOID VALVE, PART # 8210G002
2	IDEC ELECTROMECHANICAL RELAY, PART # RY45ULCAC120
1	HOFFMAN PAD LOCK HANDLE, PART # GPDLOCKHDL
1	MASTER PNEUMATIC FILTER, PART # CFBAR350
2	1/2" x 1/2" BULKHEAD COPPER ADAPTER
2	1/2" COPPER UNION
2	1/2" x 6" COPPER PIPE
2	1/2" 90° COPPER ELBOW
1	1/2" MALE TO MALE FITTING

DIAPHRAGM PUMP DESIGNED TO OPERATE, 40 GPM, 22scfm @50psi

MECHANICAL EQUIPMENT LIST	
QUANTITY	ITEM
3	1-1/2" METALLIC DIAPHRAGM PUMP, 40 GPM, MANUFACTURE: ARO; MODEL: PD-15A-AAS-CC

MATERIAL LIST	
#	ITEM
1	1.5" SUMP STRAINER, 50 GPM; PART # CASS - 50 - 1-1/2 - NIPPLE - 100
2	1.5" SCH 80 PVC FEMALE ADAPTER NPT x SOCKET
3	1.5" SCH 80 PVC PIPE
4	1.5" PVC ZOELLER UNICHECK VALVE; PART # 30-0041 CLEAR BODY
5	1.5" FLEXIBLE SUCTION TUBING, 90 psi; STAINLESS STEEL NPTF (F) BOTH ENDS
6	1.5" POLYCAM TRANSITION HDPE TO STAINLESS STEEL
7	1.5" FLEXIBLE TUBING, 150 psi; STAINLESS STEEL CAMLOCK DISCONNECT (FEMALE) x NPTF (F)
8	1.5" STAINLESS CAMLOCK DISCONNECT (MALE) W/FEMALE PIPE THREADS
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19	6" SDR-11 BUTT TEE
20	2" SDR-11 BUTT TEE
21	2" SDR-11 90 ° ELL
22	2" SDR-11 CAP
23	2" SDR-11 FLANGE W/GI RING
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25	2" X 1" HDPE SADDLE
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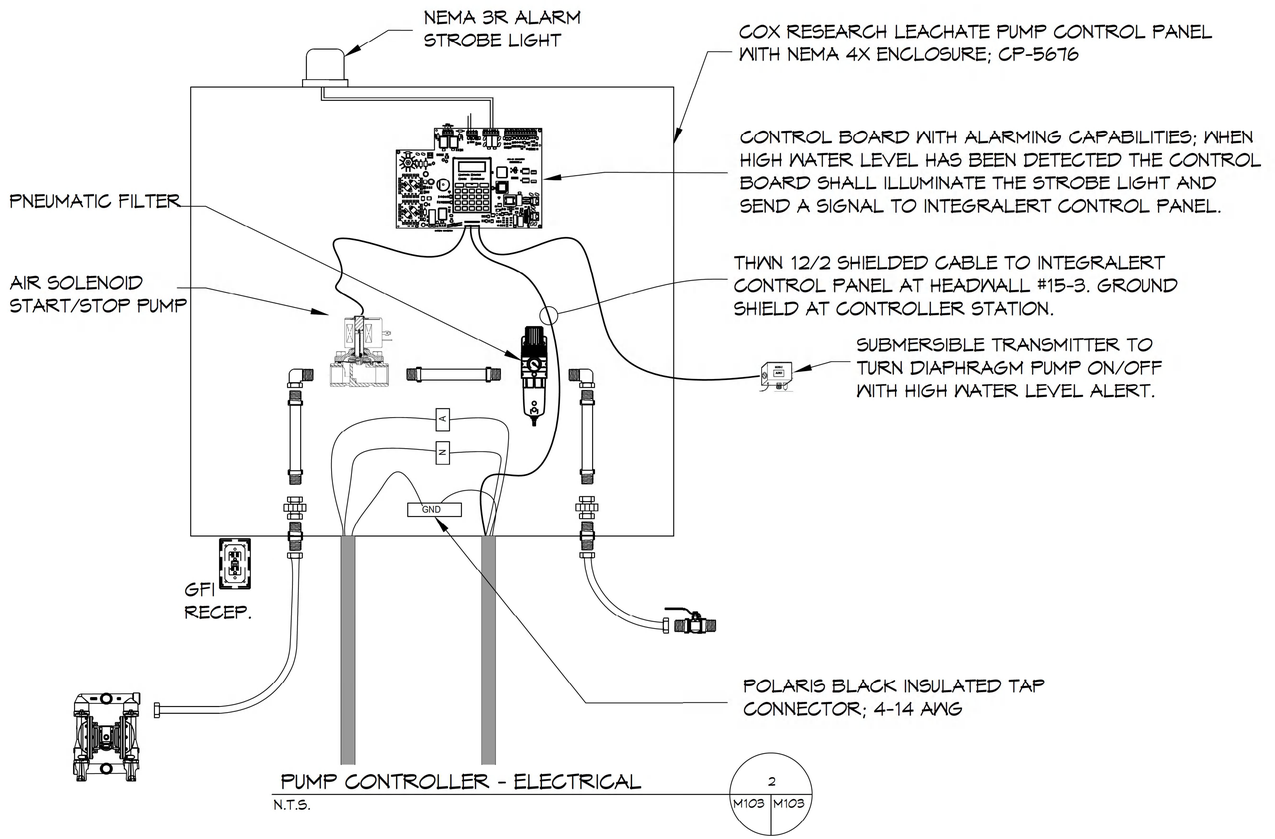
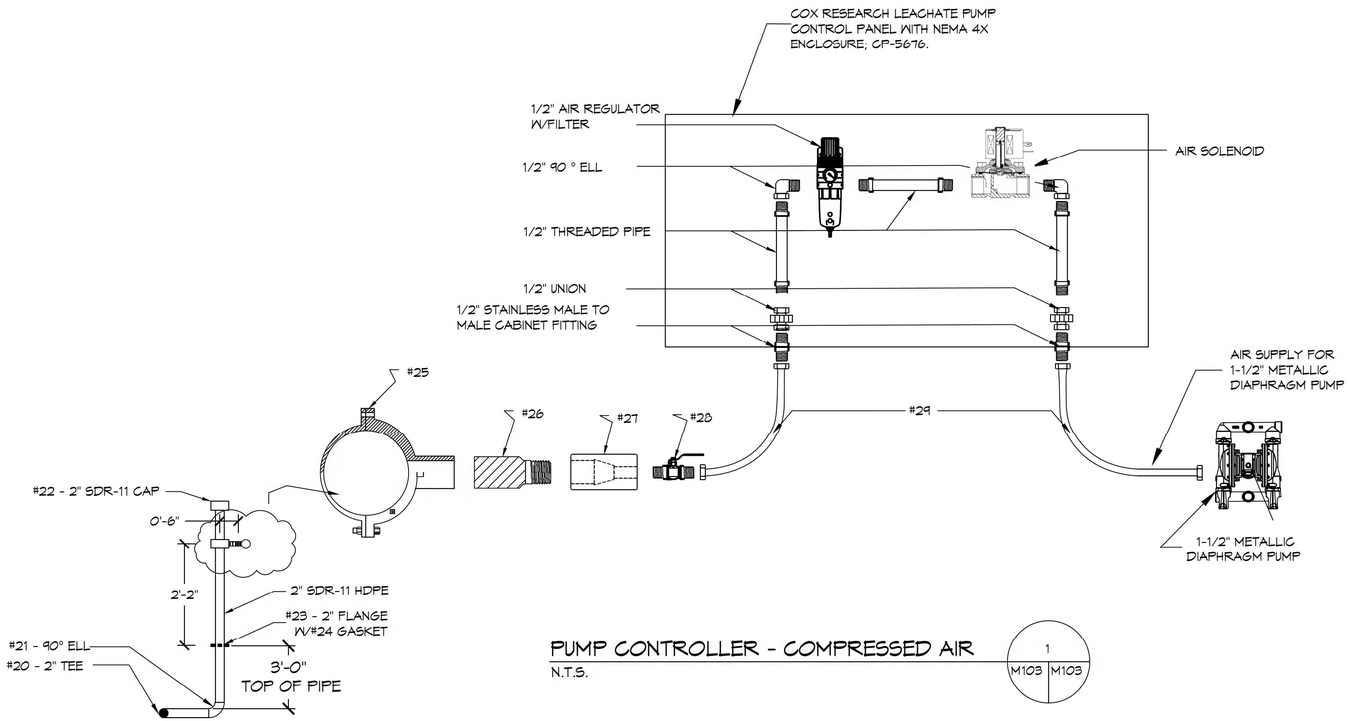
NOTE: NAMING A CERTAIN BRAND, MAKE OR MANUFACTURER IS TO DESIGNATE THE GENERAL STYLE, TYPE, CHARACTER AND QUALITY STANDARD OF THE PRODUCT DESIRED. SUBSTITUTION REQUESTS MUST BE SUBMITTED PRIOR TO BIDDING.



PUMP CONTROLLER - ELECTRICAL
N.T.S.

2 | M103 | M103



PUMP CONTROLLER - COMPRESSED AIR
N.T.S.

1 | M103 | M103

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Slidell, LA 70458

REVISIONS

#	DESCRIPTION	DATE

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License No. 30187
2/2/2022
PROFESSIONAL ENGINEER

TANGIPAHOA CELL 15
LEACHATE & STORMWATER FORCEMAIN AND SUPPORTING EQUIPMENT

TANGIPAHOA REGIONAL SOLID WASTE FACILITY
57510 HANO ROAD
INDEPENDENCE, LOUISIANA

JOB No: 2495 | DATE: 2/2/2022
DRAWN BY: DPD | CHECKED BY: BM

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SHEET TITLE:
PUMP CONTROLLER DETAILS

DRAWING NUMBER:
M103

SHEET No: 3 of 4

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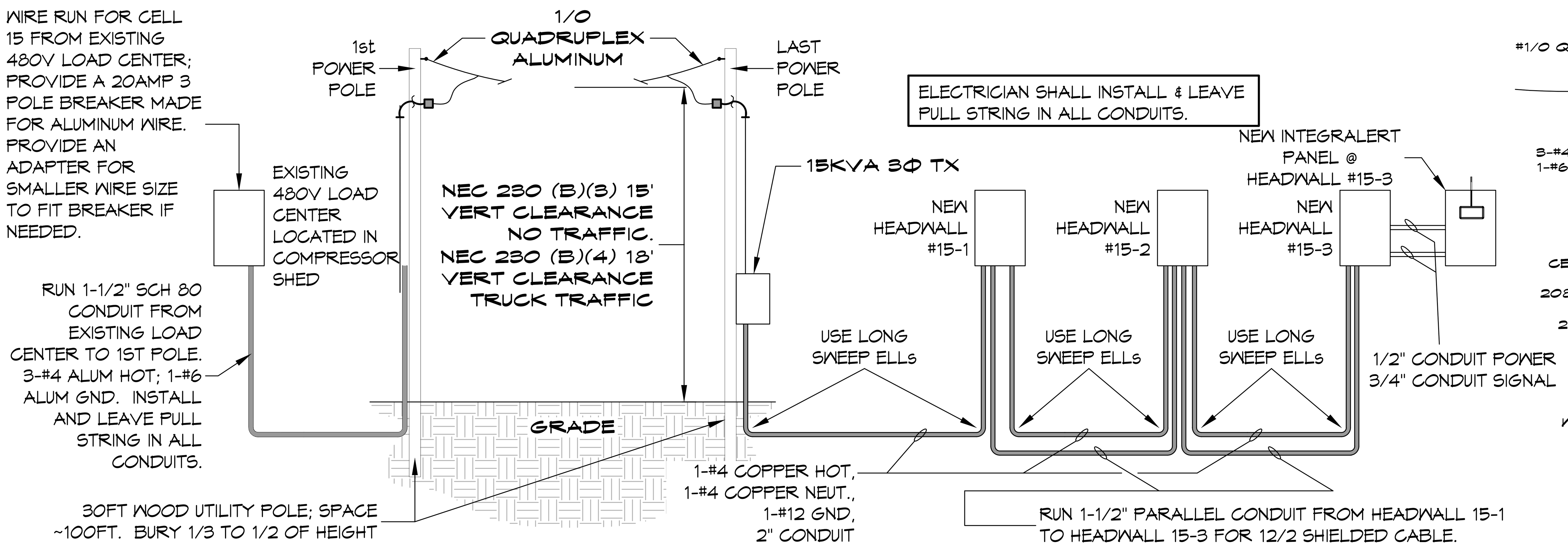
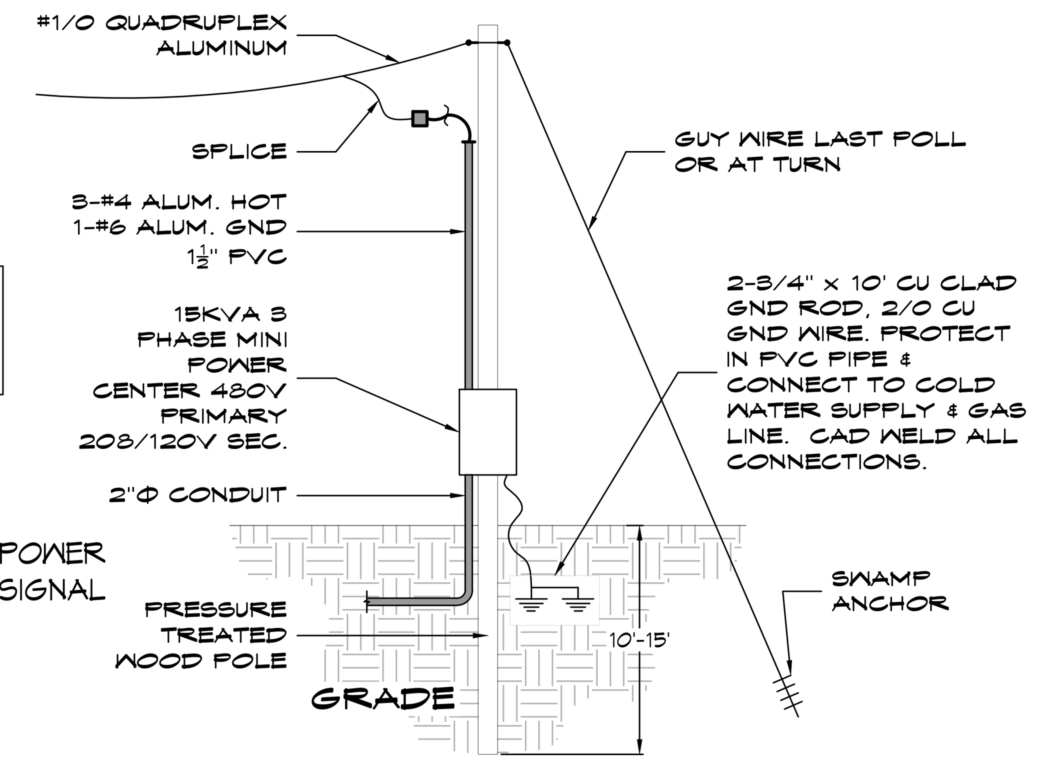
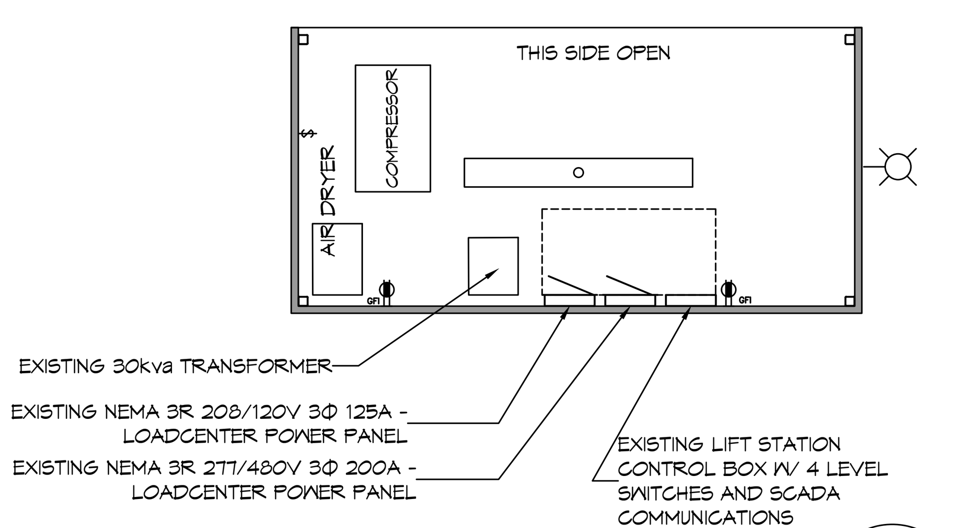




EQUIPMENT LIST QUANTITY	ITEM
3	LEACHATE PUMP CONTROL PANEL AND TRANSDUCER, MANUFACTURER COX, MDL CP-5676
1	INTEGRALERT SYSTEM, ESI-844
1	15KVA 3Φ MINI POWER CENTER; 480V PRIMARY 208/120V SEC. *WITH 12 SPACES FOR CIRCUIT BREAKERS. INSTALL 1EA 20 120V CIRCUIT* BREAKER. MANUFACTURER EATON, P48G28T1512. MINI CENTER MAY BE SUBSTITUTED USING INDIVIDUAL COMPONENTS, REQUIRES PRIOR APPROVAL.
9	POLARIS BLACK INSULATED TAP CONNECTOR; 4-14 AWG

NOTE : SEE SHEET M103 FOR LEACHATE PUMP CONTROL PANEL CONNECTIONS.

COX RESEARCH & TECHNOLOGY LEACHATE PUMP CONTROL PANEL AND TRANSDUCER EQUIPMENT LIST, MODEL CP-5676 QUANTITY	ITEM
1	HOFFMAN NEMA 4X ENCLOSURE, PART # CSD24201055
1	COX RESEARCH BACKPLATE/SWING PANEL, PART # CAMO242010CSD
1	SQUARE D CIRCUIT 40 AMP BREAKER, PART # QOU140
1	SQUARE D CIRCUIT 15 AMP BREAKER, PART # QOU115
1	SQUARE D CIRCUIT 10 AMP BREAKER, PART # QOU110
1	HUBBELL GFI RECEPTACLE
1	TPS SURGE SUPPRESSOR, PART # TK-LT120-15A-DIN2
1	PRECISION DIGITAL SETPOINT CONTROLLER, PART # PD6000-6R7
1	MJK SUBMERSIBLE TRANSDUCER, PART # 3400
1	ABB H.O.A. SWITCH, PART # C3SS110B-20
1	ABB BLUE PILOT LIGHT, PART # CL513L
1	CONERY ALARM LIGHT, PART # R40-XLS
1	ASCO AIR SOLENOID VALVE, PART # 8210G002
2	IDEC ELECTROMECHANICAL RELAY, PART # RY4SULCAC120
1	HOFFMAN PAD LOCK HANDLE, PART # GPDLOCKHDL
1	MASTER PNEUMATIC FILTER, PART # CF5AR350
2	1/2" x 1/2" BULKHEAD COPPER ADAPTER
2	1/2" COPPER UNION
2	1/2" x 6" COPPER PIPE
2	1/2" 90° COPPER ELBOW
1	1/2" MALE TO MALE FITTING



COMPRESSOR SHED ELECTRICAL PLAN (2, E101 E101)
N.T.S.

NEW INTEGRALERT SYSTEM LOCATED AT HEADWALL 15-3, CONTROL PANEL CONNECTIONS.

	IN1	IN2	IN3	IN4	IN5	IN6	IN7	IN8
HEADWALL	15-1	15-2	15-3	16-1	16-2	16-3	SPARE	SPARE

1. ELECTRICIAN SHALL MAKE CONNECTIONS FROM THE NEW CONTROL PANEL'S ALARM CONTACT TO THE NEW INTEGRALERT SYSTEM LOCATED AT HEADWALL 15-3 USING THE TABLE ABOVE.
2. ELECTRICIAN SHALL TEST THE NEW CONTROL PANEL TO ENSURE THAT WHEN A HIGH WATER LEVEL HAS BEEN DETECTED THAT IT:
   A. TURNS ON THE STROBE LIGHT AT THAT CONTROL PANEL.
   B. SENDS AN ALERT VIA INTEGRALERT SYSTEM.

PUMP CONTROLLER SETTINGS:

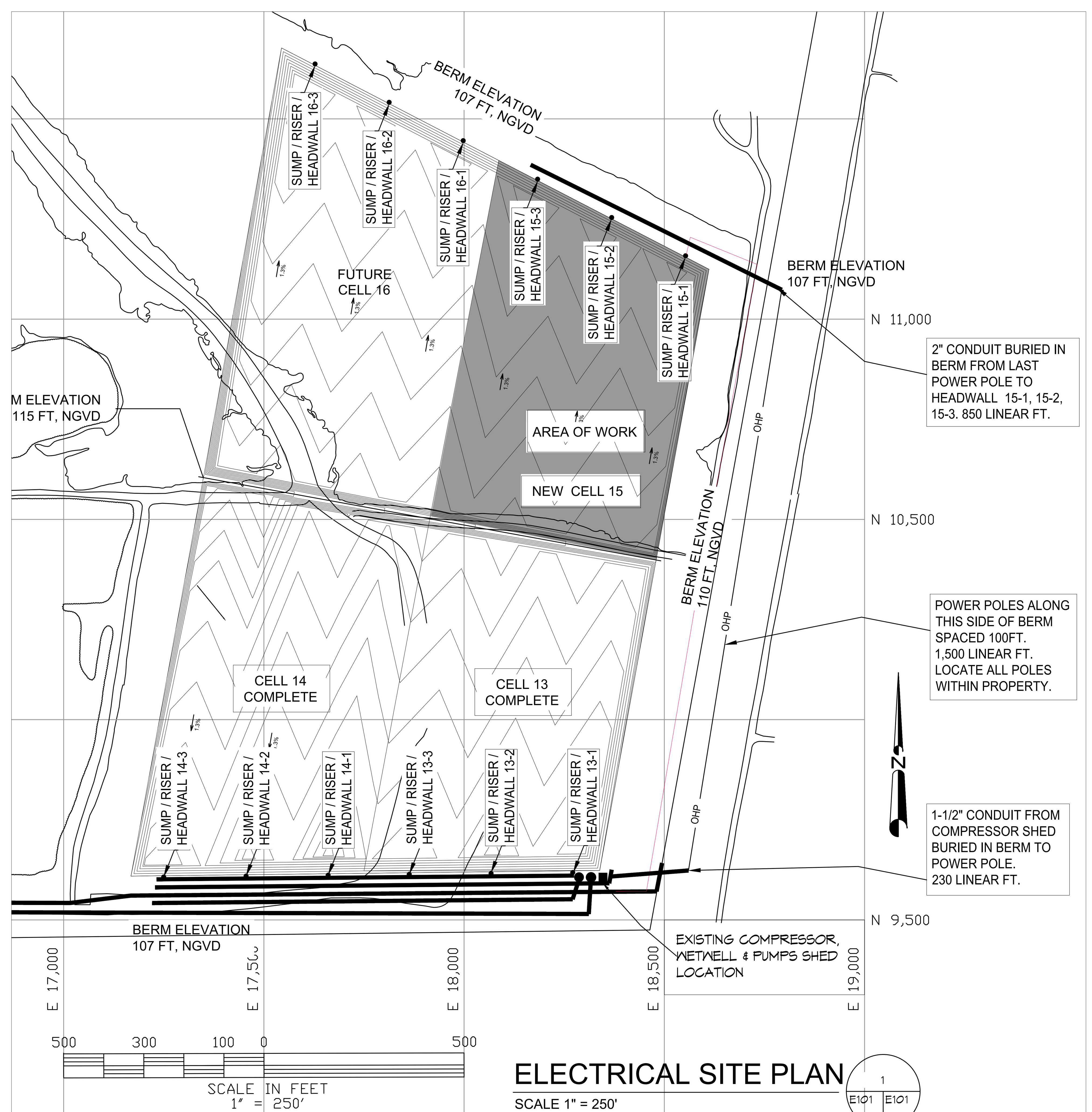
	PUMP ON	PUMP OFF	HIGH LEVEL ON	HIGH LEVEL OFF
LEACHATE DEPTH	1.5	0.75	2.0	1.6

PANEL SCHEDULE

PANEL: EXISTING MDP
LOCATION: COMPRESSOR SHED
FEEDER SOURCE: CLECO
VOLTAGE: 277/480V 3Φ 200Amp, 200A M/B
ENCLOSURE: FLUSH MOUNTED W/ EQUIPMENT GND BAR SQ D TYPE QO LOAD CENTER

CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION / LOCATION	BREAKER AMP	BREAKER POLE	LOAD (kva)	AΦ BΦ CΦ	LOAD (kva)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION / LOCATION	THHN WIRE SIZE	CKT NO
1					-		-					2
3		15hp COMPRESSOR	60	3	-		-	3	55	30 kva TRANSFORMER		4
5					-		-					6
7					2.1							8
9		PUMP CONTROLLER	60	3	2.1							10
11					2.1							12
13							-	1	20	SPARE	-	14
15		CELL 15	20	3			-	1	20	SPARE	-	16
17							-	1	20	SPARE	-	18

SOLID NEUTRAL / NEUTRAL WIRE (W)
TOTAL CONNECTED LOAD (VA) = ####
AΦ = #### BΦ = #### CΦ = ####
GROUND BUS / GROUND WIRE (G)
NOTE: USE THERMAL-MAGNETIC CIRCUIT



ELECTRICAL SITE PLAN (1, E101 E101)
SCALE 1" = 250'

NOTE: NAMING A CERTAIN BRAND, MAKE OR MANUFACTURER IS TO DESIGNATE THE GENERAL STYLE, TYPE, CHARACTER AND QUALITY STANDARD OF THE PRODUCT DESIRED. SUBSTITUTION REQUESTS MUST BE SUBMITTED PRIOR TO BIDDING.

ELECTRICAL NOTES

1. ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, THE GOVERNING ELECTRICAL CODE AND ALL OTHER INSPECTION DEPARTMENTS HAVING JURISDICTION. OBTAIN CERTIFICATES OR APPROVAL WHERE REQUIRED.
2. ALL MATERIALS FURNISHED SHALL BE NEW AND SHALL BE U.L. LISTED.
3. THE DRAWINGS INDICATE SIZE AND GENERAL LOCATION OF WORK. SCALE DIMENSIONS SHALL NOT BE USED. THE EXACT LOCATION AND LOCATION OF ALL POWER POLES AND ALL RISERS SHALL BE DETERMINED BY ACTUAL CONDITIONS IN THE FIELD.
4. PRIOR TO BIDDING, CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS.
5. ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES AND WITH OTHER CONTRACTORS WHOSE WORK MAY AFFECT THIS INSTALLATION.
6. PERFORM TEST REQUIRED BY THE OWNER OR THE ENGINEER IN CONNECTION WITH THE OPERATION OF THE ELECTRICAL SYSTEM IN THE BUILDING.
7. ALL TESTS SHALL BE MADE IN ACCORDANCE WITH THE LATEST STANDARD OF THE IEEE AND THE NATIONAL ELECTRICAL CODE.
8. MINIMUM CONDUCTOR SIZE SHALL BE #12, 600V INSULATION.
9. CONTRACTOR SHALL INSTALL WIRING AND OTHER CIRCUIT COMPONENTS TO MATCH EQUIPMENT ACTUALLY INSTALLED.
10. INSTALL GROUND FAULT RECEPTACLES AT RECEPTACLE LOCATIONS AT EXTERIOR LOCATIONS. EXTERIOR RECEPTACLES SHALL ALSO BE WATERPROOF.
11. BONDING AND GROUNDING SHALL BE IN ACCORDANCE WITH NFPA 70:230-63, NFPR 250-23, 250-71 & 250-72.
12. GROUND NEUTRAL IN ACCORDANCE WITH NFPA 70:250-23b.
13. FUSES SHALL BE ITT CLASS K5, 250 VOLT, 200,000 AMP INTERRUPTING CAP.
14. MINIMUM SIZE ELECTRICAL CONDUIT SHALL BE 1" FOR EXTERIOR USE, UNLESS OTHERWISE SHOWN. ALL ELECTRICAL CONDUIT SHALL BE SCHEDULE 40 PIPE BELOW GRADE AND SCHEDULE 80 PIPE ABOVE GRADE.
15. 1-1/2" & 2" UNDERGROUND CONDUITS SHALL BE INSTALLED BETWEEN HEADWALLS. EACH 20 AMP CIRCUIT BREAKER AT COMPRESSOR SHED SHALL SUPPORT 1 CELL OR 3 HEADWALLS.
16. TERMINATE ALL EQUIPMENT ACCORDING TO MANUFACTURER'S RECOMMENDATION.
17. CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS FOR ALL WORK PERFORMED.

WORK AREA : ONLY CELL 15 IS BEING CONSTRUCTED UNDER THIS PROJECT.

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REVISIONS #	DESCRIPTION	DATE

STATE OF LOUISIANA
BRIAN A. MISTICH
License No. 30187
3/17/2022
PROFESSIONAL ENGINEER

TANGIPAHOA CELL 15
LEACHATE &
STORMWATER
FORCEMAIN AND
SUPPORTING EQUIPMENT

TANGIPAHOA REGIONAL SOLID WASTE FACILITY
57510 HANO ROAD
INDEPENDENCE, LOUISIANA

JOB No:	2455	DATE:	2/2/2022
DRAWN BY:	DPD	CHECKED BY:	BM

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SHEET TITLE:
ELECTRICAL PLAN

DRAWING NUMBER:
E101