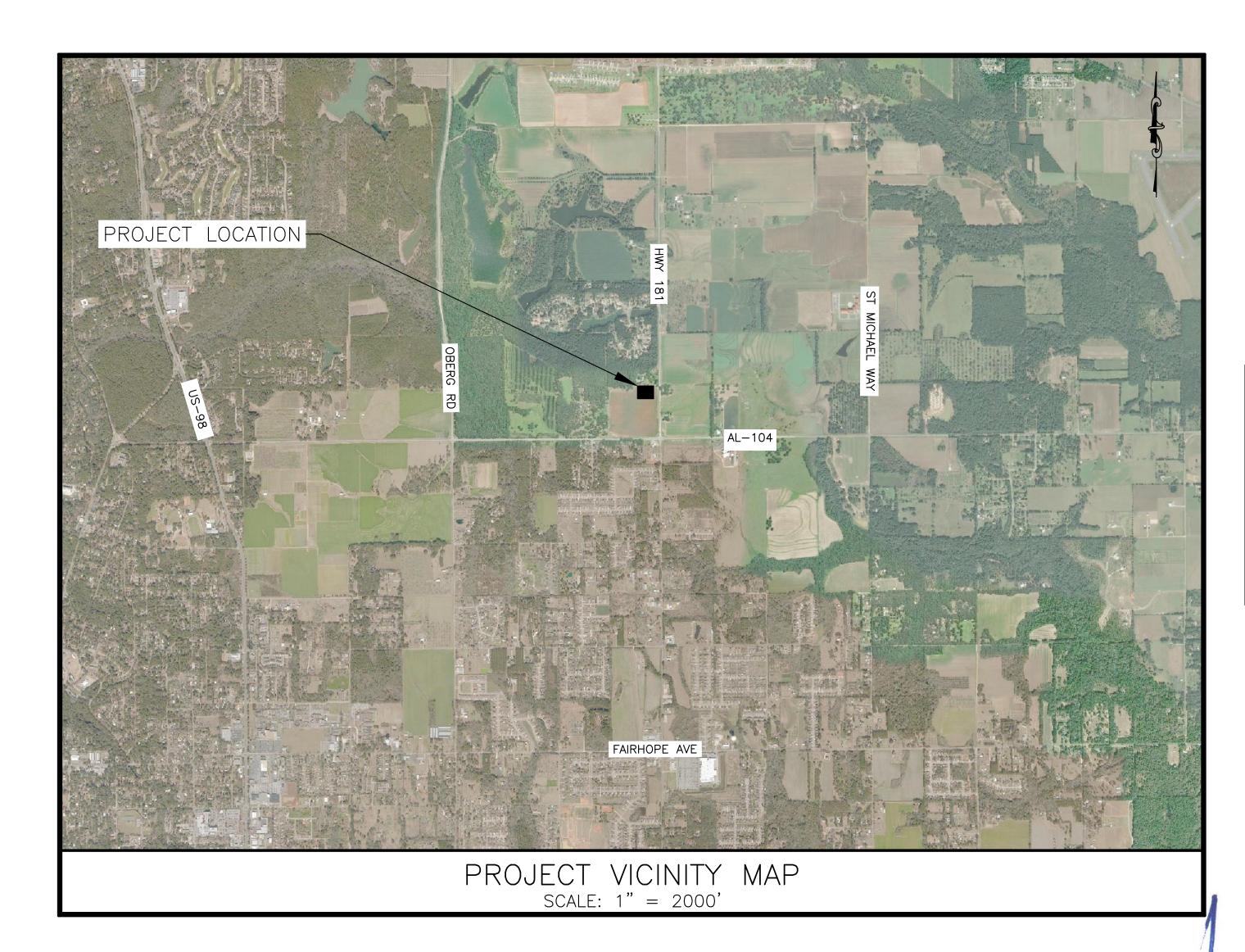
PLANTER'S POINTE LIFT STATION PREPARED FOR CITY OF FAIRHOPE UTILITIES

MAY 2023 PROJECT NUMBER 21-1101-0257





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COTTAGE HILL RD., STE. 190 TEL: (251) 666-E, ALABAMA 36606 FAX: (251) 666-



MATTHEW C. ROGERS, P.E.



GENERAL NOTES

- 1. ALL ELEVATIONS REFER TO UNITED STATES GEOLOGICAL SURVEY DATUM. EXISTING TOPOGRAPHIC SURVEY PREPARED BY THOMPSON ENGINEERING DATED 07/29/2021. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING ELEVATIONS PRIOR TO BEGINNING WORK AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES WITH THE CONSTRUCTION DRAWINGS.
- 2. EXISTING UTILITIES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE IF THE LOCATIONS SHOWN ARE CORRECT AND TO DETERMINE IF THERE ARE ADDITIONAL UTILITY LINES THAT ARE NOT SHOWN ON THE PLANS. ALSO, ANY SAFETY MEASURES OR METHODS THAT ARE NECESSARY TO PROTECT ALL EXISTING UTILITY LINES DURING CONSTRUCTION WILL BE THE CONTRACTOR'S RESPONSIBILITY WITH NO ADDITIONAL COMPENSATION.
- 3. STANDARD SPECIFICATIONS FOR STREETS AND DRAINAGE: REFERENCE IS MADE TO THE ALABAMA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION", 2018 EDITION. ALL PROVISIONS OF SAID STANDARD SPECIFICATIONS SHALL APPLY TO THIS CONTRACT AND ARE HEREBY MADE A PART OF THIS CONTRACT, EXCEPT WHEN THE PROVISIONS HEREON OR THE PLANS ARE CLEARLY IN CONFLICT WITH THE PROVISIONS OF SAID STANDARD SPECIFICATIONS, THE PROVISIONS HEREON AND THE PLANS SHALL GOVERN.
- 4. THE CONTRACTOR IS TO FIELD VERIFY ALL DIMENSIONS, ELEVATIONS, AND CONDITIONS PRIOR TO CONSTRUCTION OR FABRICATION.
- 5. THE CIVIL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE DRAWINGS OF ALL OTHER DISCIPLINES AND ANY APPLICABLE SPECIFICATIONS.

 CONTRACTOR IS DIRECTED TO NOTIFY THE ENGINEER OF RECORD IMMEDIATELY IF ANY CONFLICT IS FOUND BETWEEN THE CIVIL PLANS AND THE PLANS OF OTHER DISCIPLINES.
- 6. THE CONTRACTOR SHALL OBTAIN THE PERMISSION AND APPROVAL FOR ALL PROPOSED SUBCONTRACTORS AND SHALL BE RESPONSIBLE FOR ALL PHASES OF THE PROJECT INCLUDING THE SUBCONTRACTORS' WORK.
- 7. WHERE A DETAIL IS SHOWN FOR ONE CONDITION, IT SHALL APPLY FOR ALL LIKE OR SIMILAR CONDITIONS EVEN THOUGH NOT SPECIFICALLY CALLED FOR ON THE DRAWINGS.
- 8. ALL UNPAVED AREAS THAT HAVE BEEN GRADED, CUT, OR FILLED SHALL BE TREATED WITH A SUITABLE COMMERCIAL FERTILIZER IN ACCORDANCE WITH ALABAMA DEPARTMENT OF TRANSPORTATION 2018 STANDARD SPECIFICATIONS, AND SEEDED WITH A MIXTURE TO SUIT THE PLANTING ZONE (652.03) AND DATE OF PLANTING (860.01) PER ALABAMA DEPARTMENT OF TRANSPORTATION 2018 STANDARD SPECIFICATIONS. A FIRM STAND OF PERMANENT GRASS WILL BE REQUIRED.
- 9. ALL CONCRETE USED ON THE PROJECT SHALL BE 3,000 PSI MINIMUM COMPRESSIVE STRENGTH REQUIRED IN 28 DAYS, UNLESS SPECIFICATIONS REQUIRE CONCRETE OF GREATER STRENGTH.
- 10. UNDERGROUND UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND ARE BASED ON INFORMATION PROVIDED. THE UTILITIES SHOWN MAY NOT BE A COMPLETE REPRESENTATION OF ALL UTILITY LINES IN THE PROJECT AREA. CONTRACTOR IS REQUIRED TO CONTACT ALABAMA ONE CALL PRIOR TO DIGGING (611) (WWW.ALICALL.COM). OTHER UTILITIES (INCLUDING PRIVATE UTILITIES OUTSIDE A PUBLIC RIGHT—OF—WAY) THAT DO NOT PARTICIPATE IN THE ALABAMA ONE CALL LINE LOCATION SERVICE NEED TO BE CONTACTED INDIVIDUALLY AND/OR PHYSICALLY LOCATED BY THE CONTRACTOR.
- 11. SUB-GRADE AND BASE SHALL BE COMPACTED TO THE REQUIREMENTS OF ALABAMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, UNLESS OTHERWISE NOTED.
- 12. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROPER COMPACTION ON ANY AND ALL UTILITY DITCHES.
- 13. ALL FILL AND EMBANKMENT CONSTRUCTION SHALL BE COMPACTED AS REQUIRED IN LAYERS NOT TO EXCEED 8".
- 14. ALL EXCESS UNCLASSIFIED EXCAVATION IS TO BE UTILIZED FOR CONSTRUCTION OF EMBANKMENTS AND SLOPES NOT DIRECTLY UNDER THE TRAVEL WAY OR PARKING AREAS PRIOR TO USING ANY OFFSITE BORROW EXCAVATION. AFTER CONSTRUCTION OF SUCH AREAS IS COMPLETED, EXCESS EXCAVATION SHALL BE SPREAD AS DIRECTED BY THE ENGINEER, OR AT THE ENGINEER'S DIRECTION, HAULED FROM THE SITE AT NO ADDITIONAL PAYMENT.
- 15. ALL SEDIMENT CONTROL DEVICES SHALL BE CONSTRUCTED AND FULLY FUNCTIONING PRIOR TO ANY OTHER CONSTRUCTION OR GRADING ACTIVITY.
- 16. ALL SLOPES MUST BE STABILIZED AS SOON AS POSSIBLE TO PREVENT EXCESSIVE EROSION.

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UNDER STATE AND FEDERAL LAW.

TO APPROVE THIS USE. UNAUTHORIZED USE IS SUBJECT TO LEGAL ACTION

- 17. ALL MATERIALS SHALL BE NEW UNLESS USED OR SALVAGED MATERIALS ARE AUTHORIZED BY THE OWNER.
- 18. HIGH INTENSITY LIGHTING FACILITIES SHALL BE SO ARRANGED THAT THE SOURCE OF ANY LIGHT IS CONCEALED FROM PUBLIC VIEW AND FROM ADJACENT RESIDENTIAL PROPERTY AND DOES NOT INTERFERE WITH TRAFFIC.
- 19. CONTRACTOR IS REQUIRED TO USE "BEST MANAGEMENT PRACTICES" COMPLIANT WITH THE "ALABAMA HANDBOOK FOR EROSION CONTROL AND STORMWATER MANAGEMENT ON CONSTRUCTION SITES AND URBAN AREAS", ALABAMA SOIL AND WATER CONSERVATION COMMITTEE, MONTGOMERY, ALABAMA, VOLUMES 1 & 2, 2018 EDITION, TO PREVENT SEDIMENT LADEN STORM WATER RUNOFF OR ERODED MATERIALS FROM LEAVING THE CONSTRUCTION SITE.
- 20. ALL MATERIALS AND WORKMANSHIP WITHIN A STATE OR COUNTY RIGHT-OF-WAY SHALL CONFORM TO THE ALABAMA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2018 EDITION.
- 21. THE CONTRACTOR SHALL BE REQUIRED TO NOTIFY THE TESTING LABORATORY OF HIS WORKING SCHEDULE IN ORDER THAT THE PROPER SAMPLE MAY BE OBTAINED AND TEST MADE.

LEGEN

EXISTING

.O.C.	POINT OF COMMENCEMENT	(TB)	TELEPHONE BOX (VAULT)
P.O.B.	POINT OF BEGINNING	WM	WATER METER
(A)	ACTUAL	, N	SANITARY SEWER VALVE
	RECORD DEED	×	WATER VALVE
(P)	PLAT OF RECORD	ĞV M	GAS VALVE
(C)	COMPUTED	TR	TRANSFORMER BOX
OTIF	OPEN TOP IRON PIPE FOUND	$\overline{\bowtie}$	LIGHT POLE
IPF	IRON PIN FOUND	CA	CABLE TV BOX
CTIF	CRIMP TOP IRON PIPE FOUND	EB	ELECTRIC BOX
CRF	CAPPED REBAR FOUND	EP	ELECTRIC PANEL
RBF	1/2" REBAR FOUND	巴曼河外河南河河河	IRRIGATION CONTROL VALVE
CRS	1/2" CAPPED REBAR SET STAMPED CA#604	S	SANITARY SEWER MANHOLE
CMF	CONCRETE MONUMENT FOUND	(D)	STORM DRAIN MANHOLE
CMS	CONCRETE MONUMENT SET	<u></u>	TELEPHONE MANHOLE
	LICENSED PROFESSIONAL SURVEYOR'S NUMBER	(SEWER CLEANOUT
CA#	CERTIFICATE OF AUTHORIZATION NUMBER	GP GT	SEWER GRINDER PUMP
	DISTURBED	GT	GREASE TRAP
(REF)	REFERENCE CORNER SET ON LINE	Qo_	FLAG POLE
(UNR)	UNREADABLE	©	GAS LINE SIGN MARKER
	INSTRUMENT NUMBER	À	
	SECTION		WATERLINE MARKER
	TOWNSHIP		FIBER OPTIC LINE MARKER
	RANGE	` '	EXCEPTION
	POWER POLE		UNDERGROUND FIBER OPTIC LINE
	GUY WIRE	— OE—	OVERHEAD ELECTRIC
,	RIGHT-OF-WAY		BURIED ELECTRIC LINE
	RIGHT-OF-WAY		UNDERGROUND TELEPHONE LINE
\odot	FIRE HYDRANT		UNDERGROUND SEWER LINE
0	SIGN		UNDERGROUND WATERLINE
EM AC	TELEPHONE PEDESTAL		UNDERGROUND GAS LINE
EM	ELECTRIC METER BOX		UNDERGROUND TELEVISION
(AC)	AIR CONDITIONER		ELECTRIC
JB	JUNCTION BOX (VAULT)		BACK FLOW PREVENTER
	ELEVATION		EXISTING GRADE (PROFILE VIEW)
INIV	INIVERT		•

PROPOSED

PROPOSED EFFLUENT FORCE MAIN (PLAN VIEW)

EXISTING INFLUENT/EFFLUENT FORCE MAIN

MAJOR CONTOURS

MINOR CONTOURS

PROPOSED EFFLUENT FORCE MAIN (PROFILE VIEW)

PROPOSED ASPHALT

B BASE AGGREGATE



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	2970 COTTAGE MOBILE, ALABAM	2970 COTTAGE HILL RD., STE. 190 MOBILE, ALABAMA 36606 TEL: (251) 666-2443 FAX: (251) 666-6422					PROJECT NOTES				
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EROSION CONTROL NOTES:

- 1. EROSION AND SEDIMENT CONTROL MEASURES SHOWN ARE CONSIDERED TO BE THE MINIMUM ACCEPTABLE MEASURES. THE CONTRACTOR SHALL UTILIZE "BEST MANAGEMENT PRACTICES" AS NECESSARY TO PREVENT SEDIMENT LADEN STORMWATER RUNOFF OR ERODED MATERIALS FROM LEAVING THE CONSTRUCTION SITE. THE CONTRACTOR SHALL MAINTAIN AND REPAIR EROSION CONTROL MEASURES IN AN EXPEDITIOUS MANNER AFTER EACH RAINFALL EVENT AND INSPECT THEM TWICE WEEKLY IN THE EVENT OF NO RAINFALL. BEST MANAGEMENT PRACTICES (BMPS) ARE DEFINED AS: SCHEDULES OF ACTIVITIES, PROHIBITIONS OF PRACTICES, MAINTENANCE PROCEDURES, AND OTHER MANAGEMENT PRACTICES TO PREVENT OR REDUCE THE POLLUTION OF WATERS OF THE UNITED STATES. BMPS ALSO INCLUDE TREATMENT REQUIREMENTS, OPERATING PROCEDURES, AND PRACTICES TO CONTROL PLANT SITE RUNOFF, SPILLAGE OR LEAKS, SLUDGE OR WASTE DISPOSAL, OR DRAINAGE FROM RAW MATERIAL STORAGE. WITH REGARD TO CONSTRUCTION THESE MAY INCLUDE STRUCTURAL DEVICES OR NONSTRUCTURAL PRACTICES THAT ARE DESIGNED TO PREVENT POLLUTANTS FROM ENTERING WATER OR TO DIRECT THE FLOW OF WATER.
- 2. THE EROSION AND SEDIMENT CONTROL ITEMS SHOWN ON THE PLANS ARE PROVIDED AS A STARTING POINT FOR A COMPREHENSIVE SEDIMENT AND EROSION CONTROL PLAN TO BE IMPLEMENTED THROUGHOUT CONSTRUCTION. THE CONTRACTOR SHALL BE PREPARED TO ANTICIPATE AND ADJUST BEST MANAGEMENT PRACTICES AS NECESSARY THROUGHOUT CONSTRUCTION TO RESTRICT THE AMOUNT OF SILT LADEN RUNOFF LEAVING THE PROJECT. THE ENGINEER SHALL HAVE THE RIGHT TO REQUIRE INSTALLATION OF ADDITIONAL FACILITIES IF DEEMED NECESSARY TO PROTECT ADJACENT AREAS.
- 3. ALL SEDIMENT CONTROL DEVICES SHALL BE CONSTRUCTED AND FULLY FUNCTIONING PRIOR TO ANY OTHER CONSTRUCTION OR GRADING ACTIVITY.
- 4. ALL CLEARING OPERATIONS SHALL BE CONDUCTED IN A MANNER TO LIMIT EROSION OF MATERIALS FROM THE CONSTRUCTION AREA.
- 5. TYPE "A" SILT FENCE SHALL BE USED IN AREAS WHERE INDICATED OR AS DIRECTED BY THE ENGINEER.
- 6. SILT FENCES ARE TEMPORARY SEDIMENT CONTROL ITEMS THAT SHALL BE ERECTED OPPOSITE ERODABLE AREAS SUCH AS NEWLY GRADED FILL SLOPES AND ADJACENT TO STREAMS AND CHANNELS.
- 7. SILT FENCES SHALL BE IN PLACE PRIOR TO ANY CONSTRUCTION OPERATION. SILT FENCES SHALL BE CLEANED, SILT REMOVED, AND REPAIRED AS NECESSARY AS PART OF REQUIRED BMP MAINTENANCE.
- 8. AT THE END OF EACH WORK DAY OR PERIOD, THE CONTRACTOR SHALL INSTALL NECESSARY RETENTION BERMS, HAY BALES, OR SILT FENCE TO PREVENT EROSION OF MATERIALS PRIOR TO THE NEXT SCHEDULED WORK OR PERIOD.
- 9. STORM DRAIN INLETS SHALL BE PROTECTED FROM SEDIMENT ENTRY WITH SEDIMENT BARRIERS LIKE "SILT SAVER" UNTIL THE SITE IS STABILIZED BY PAVING OR A FIRM STAND OF GRASS IS OBTAINED.
- 10. CONTRACTOR IS REQUIRED TO STABILIZE DISTURBED AREAS WITH TEMPORARY GRASS OR SOIL STABILIZER IF AREAS WILL REMAIN DISTURBED FOR 14 DAYS OR LONGER.
- 11. THE CONTRACTOR IS HEREBY DIRECTED TO PROVIDE SEDIMENT RUNOFF PROTECTION WHERE NECESSARY TO PREVENT SILT LADEN RUNOFF FROM ENTERING THE STREAMS NEAR THE PROPOSED PROJECT.
- 12. EROSION CONTROL AND SILTATION FACILITIES SHALL BE REMOVED ON AN INDIVIDUAL BASIS ONLY AFTER SPECIFIC AREAS HAVE STABILIZED.
- 13. HAY BALES REMOVED, WHICH ARE IN GOOD CONDITION, SHALL BE DISPERSED AS MULCH IN ADJACENT OR OTHER AREAS, AS APPROVED BY THE ENGINEER, TO FACILITATE ESTABLISHMENT OF A PERMANENT GRASS STAND.
- 14. AFTER THE CONSTRUCTION AREA IS STABILIZED BY PAVING OR A FIRM STAND OF GRASS AND EROSION ACTIVITY CURTAILED, SILT FENCES SHALL BE REMOVED.
- 15. GRASS GROUND COVER SHALL BE MAINTAINED UPON COMPLETION OF CONSTRUCTION.
- 16. SEDIMENT & EROSION CONTROL ITEMS SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE FOLLOWING HANDBOOKS:
- A. ALABAMA HANDBOOK FOR EROSION CONTROL, SEDIMENT CONTROL, AND STORM WATER MANAGEMENT ON CONSTRUCTION SITES AND URBAN AREAS, LATEST EDITION.
- B. EPA STORM WATER MANAGEMENT FOR CONSTRUCTION ACTIVITIES.

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- C. EPA GUIDANCE SPECIFYING MANAGEMENT MEASURES FOR SOURCES OF NON-POINT POLLUTION IN COASTAL WATERS.
- D. AASHTO GUIDELINES FOR EROSION AND SEDIMENT CONTROL IN HIGHWAY CONSTRUCTION.
- E. SOUTH ALABAMA REGIONAL PLANNING COMMISSION BEST MANAGEMENT PRACTICES FOR NON-POINT SOURCE RUNOFF CONTROL, MOBILE & BALDWIN COUNTIES, ALABAMA.
- 17. UNLESS OTHERWISE SET FORTH IN CONTRACT DOCUMENTS WITH THE PROJECT OWNER, WHEN AN ADEM STORMWATER DISCHARGE PERMIT (NOI) HAS BEEN OBTAINED FOR THE SITE, THE CONTRACTOR SHALL INSTALL A RAIN GAUGE AT THE SITE AND MAINTAIN A WRITTEN DAILY LOG OF RAINFALL AMOUNTS AT THE SAME TIME EACH DAY. AT THE END OF EACH MONTH, THE CONTRACTOR MUST PROVIDE A COPY OF THAT MONTH'S RAINFALL RECORDS TO THE ENGINEER. THE RAIN GAUGE MUST BE INSTALLED AT THE TOP OF A POST PLACED AT LEAST 50' FROM TREES, BUILDINGS, OR OTHER OBJECTS THAT COULD IMPEDE THE FREE ENTRY OF RAINFALL INTO THE RAIN GAUGE. THE CONTRACTOR MUST NOTIFY THE ENGINEER WITHIN 8 HOURS OF RECORDING ANY DAILY RAINFALL AMOUNT EXCEEDING 0.75". THE CONTRACTOR SHALL POST THE NOI PERMIT NUMBER IN A HIGHLY VISIBLE LOCATION ON THE SITE AND MAINTAIN IT IN A LEGIBLE CONDITION UNTIL THE PROJECT IS COMPLETED AND A PERMIT TERMINATION HAS BEEN APPROVED BY ADEM. UPON COMPLETION OF THE PROJECT, THE CONTRACTOR MUST NOTIFY THE ENGINEER IN ORDER TO INSPECT THE SITE AND APPLY FOR A TERMINATION OF THE ADEM PERMIT.
- 18. THE CONTRACTOR SHALL REFER TO THE "EROSION CONTROL, DITCHES, AND FLUMES" SECTION OF ALDOT SPECIAL AND STANDARD HIGHWAY DRAWINGS FOR ADDITIONAL METHODS OF EROSION AND SEDIMENT CONTROL.

TRAFFIC CONTROL NOTES:

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR STRICT COMPLIANCE WITH PART VI OF THE FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION, AND SHALL DEFEND THE ENGINEER AND THE COUNTY OF MOBILE AGAINST ALL LIABILITY, CLAIM OF LIABILITY, LOSS, COST OR DAMAGE, INCLUDING DEATH, AND LOSS OF SERVICES, ON ACCOUNT OF INJURY TO PERSONS OR PROPERTY, OCCURRING FROM ANY CAUSE WHATSOEVER, AS A RESULT OF CONSTRUCTION ACTIVITY INVOLVED IN THIS PROJECT. THE CONTRACTOR WILL, AT HIS EXPENSE, DEFEND ON BEHALF OF THE ENGINEER, COUNTY OF MOBILE AND THEIR OFFICERS AND EMPLOYEES, ALL SUITS BROUGHT AGAINST THEM OR ANY OF THEM, ARISING FROM ANY SUCH CAUSE.
- 2. THE CONTRACTOR SHALL HAVE AVAILABLE ADEQUATE PERSONNEL AND EQUIPMENT FOR TRAFFIC CONTROL AND SHALL NOT PERFORM ANY WORK WITHIN THE RIGHT OF WAY WHEN ADEQUATE PERSONNEL AND EQUIPMENT ARE NOT AVAILABLE.
- 3. TRAFFIC CONTROL DEVICES SHOWN ARE CONSIDERED TO BE THE MINIMUM REQUIRED. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PROVIDE ADDITIONAL TRAFFIC CONTROL DEVICES OTHER THAN THOSE SHOWN WHEN ROADWAY AND TRAFFIC CONDITIONS WARRANT.
- 4. ALL TRAFFIC CONTROL DEVICES SHALL BE REMOVED AT THE COMPLETION OF THE WORK WHEN THE WORK AREA IS OPENED TO TRAFFIC.
- 6. ALL TRAFFIC CONTROL DEVICES THAT ARE NOT APPLICABLE AT ANY SPECIFIC TIME SHALL BE COVERED OR REMOVED.
- 6. A REFLECTORIZED DRUM SHALL BE PLACED IN FRONT OF EACH CONSTRUCTION SIGN THAT IS STORED ON THE SHOULDER AT ANY TIME DURING THE COURSE OF THE PROJECT, INCLUDING BUT NOT LIMITED TO COVERED SIGNS AND TEMPORARY MOUNTED SIGNS THAT HAVE BEEN LAID OVER. THE COST OF THIS REQUIREMENT SHALL BE A SUBSIDIARY OBLIGATION OF ITEM 740B-000 (CONSTRUCTION SIGNS) WHEN A PAY ITEM FOR CHANNELIZING DRUM IS NOT PROVIDED IN THE PLANS.
- 7. ALL VEHICLES, EQUIPMENT, AND WORKERS (EXCLUDING FLAGGERS) AND THEIR ACTIVITIES SHOULD BE RESTRICTED TO ONE SIDE OF THE ROADWAY UNLESS THE NATURE OF THE CONSTRUCTION OR MAINTENANCE OPERATION REQUIRES OTHERWISE.
- 8. ALL SIGNS SHALL BE POST MOUNTED IF THE WORK PERIOD EXCEEDS FOUR DAYS EXCEPT FOR THOSE SIGNS THAT ARE MOUNTED ON BARRICADES.
 FOR REPEATED DAY OPERATIONS, IN THE SAME LOCATION, WHEN ALL DEVICES ARE REMOVED AT NIGHT, SIGNS MAY BE MOUNTED ON TEMPORARY
 SUPPORTS.
- 9. ANY OBSTACLES OR HAZARDS WITHIN THE WORK AREA SHALL BE MARKED IN ACCORDANCE WITH THE MUTCD, PART VI (LATEST EDITION)
- 10. THE SPACING BETWEEN CHANNELIZING DEVICES IN A WORK AREA SHALL BE 40' (MAXIMUM).
- 11. WARNING LIGHTS SHOULD BE USED TO MARK CHANNELIZING DEVICES AT NIGHT AS NEEDED.
- 12. CHANNELIZING DEVICES ARE TO BE EXTENDED TO A POINT WHERE THEY ARE VISIBLE TO APPROACHING TRAFFIC.
- 13. DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS WITH THE APPROVAL OF THE ENGINEER.
- 14. TYPE I BARRICADES OR DRUMS MAY BE SUBSTITUTED FOR CONES (NO PAY ITEM FOR TYPE I BARRICADES).
- 15. HIGH LEVEL WARNING DEVICES SHOULD BE USED TO SUPPORT ANY SIGNS SHOWN WHEN TRAFFIC CONDITIONS WARRANT.
- 16. TYPE B HIGH INTENSITY WARNING LIGHTS SHOULD BE PLACED ON ADVANCE WARNING SIGNS.
- 17. TRAFFIC CONES SHALL BE PLACED AT 40' O/C PARALLEL TO THE TRAFFIC LANE, 20' O/C IN TAPERS.
- 18. ALL CONSTRUCTION SIGNS SHALL MEET ALABAMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, 2018 EDITION.
- 19. THE CONTRACTOR IS REQUIRED TO MAINTAIN ONE LANE OF TRAFFIC AND TEMPORARY ACCESS TO RESIDENCES AT ALL TIMES.



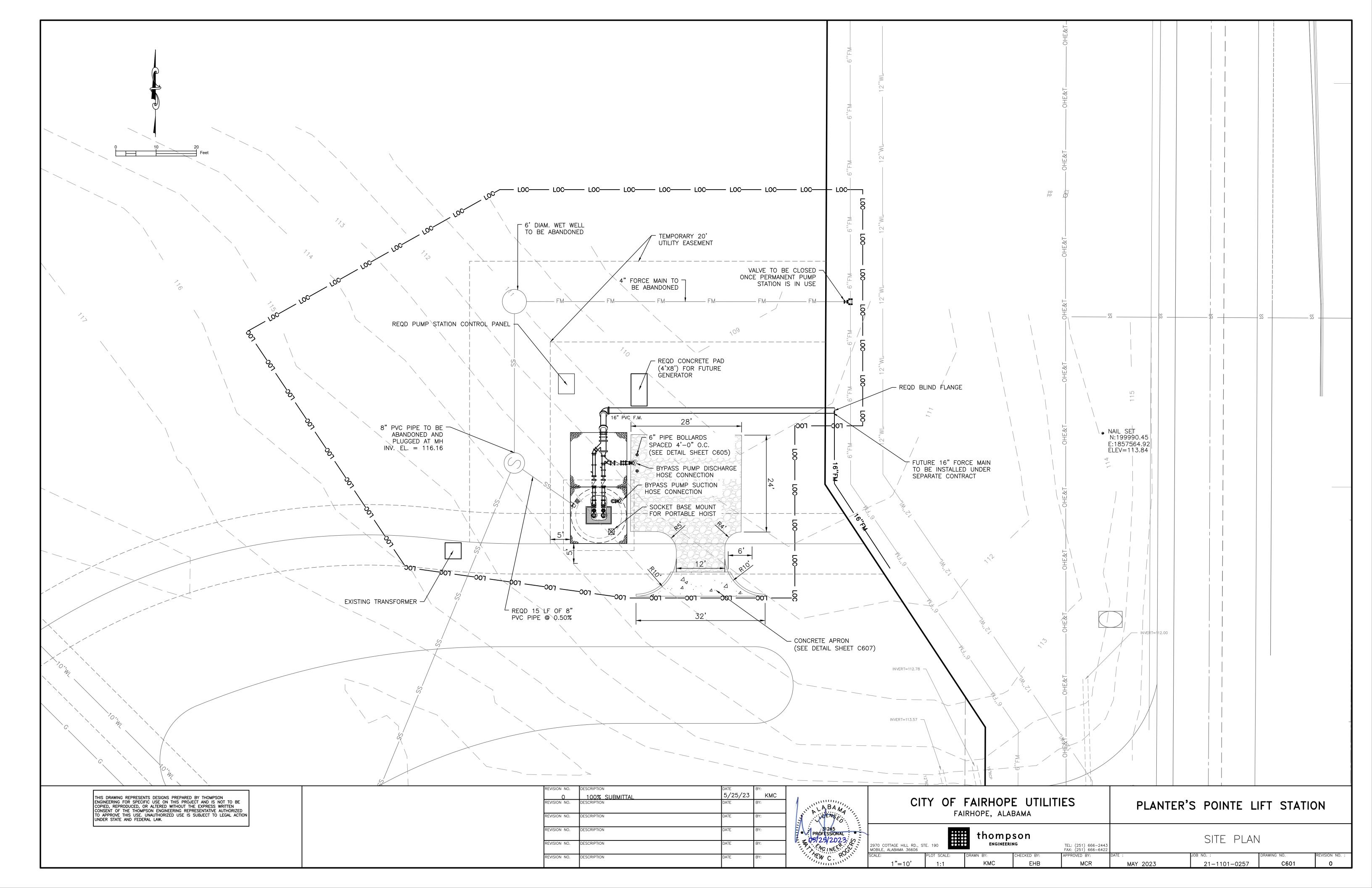
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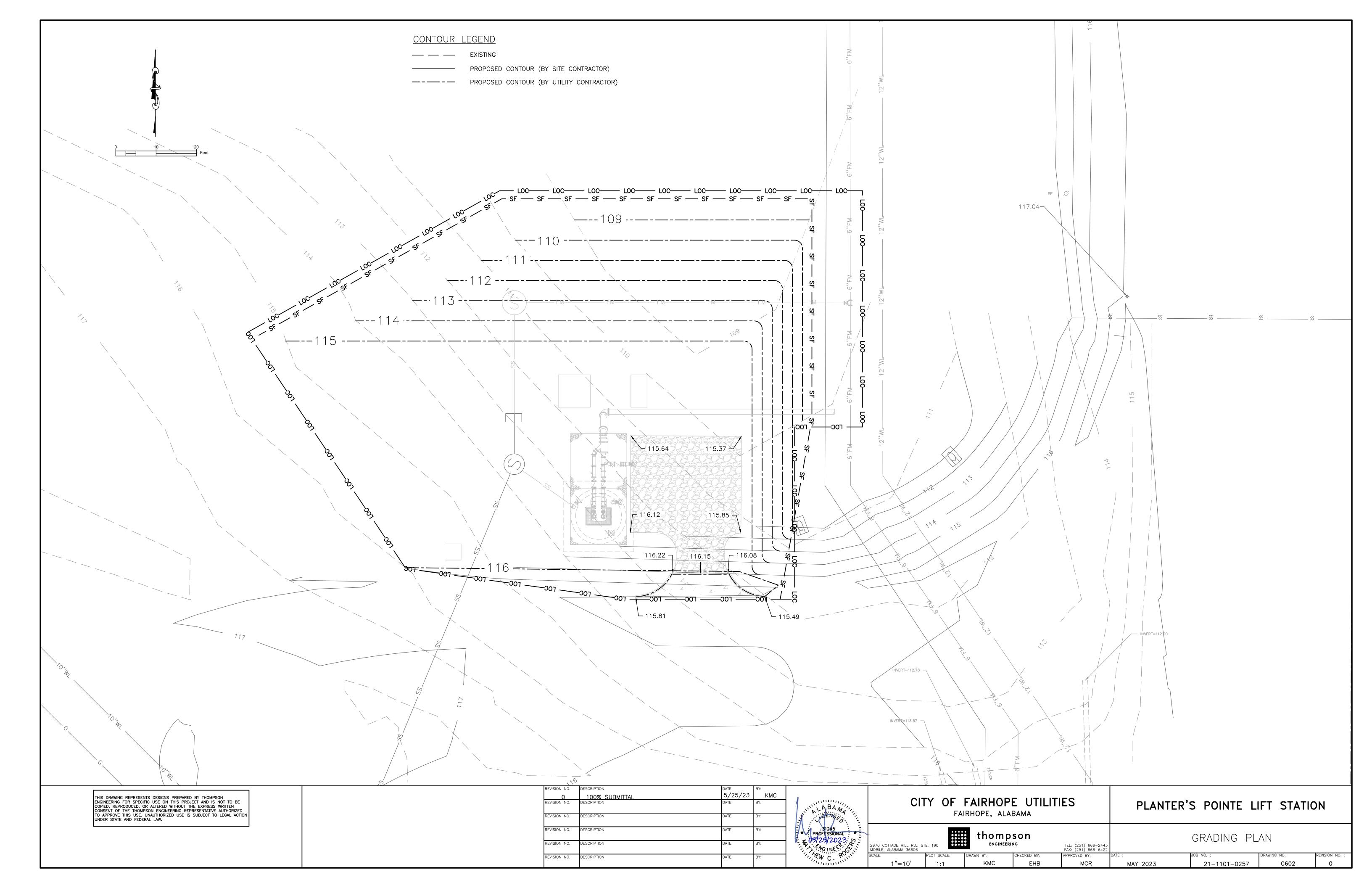


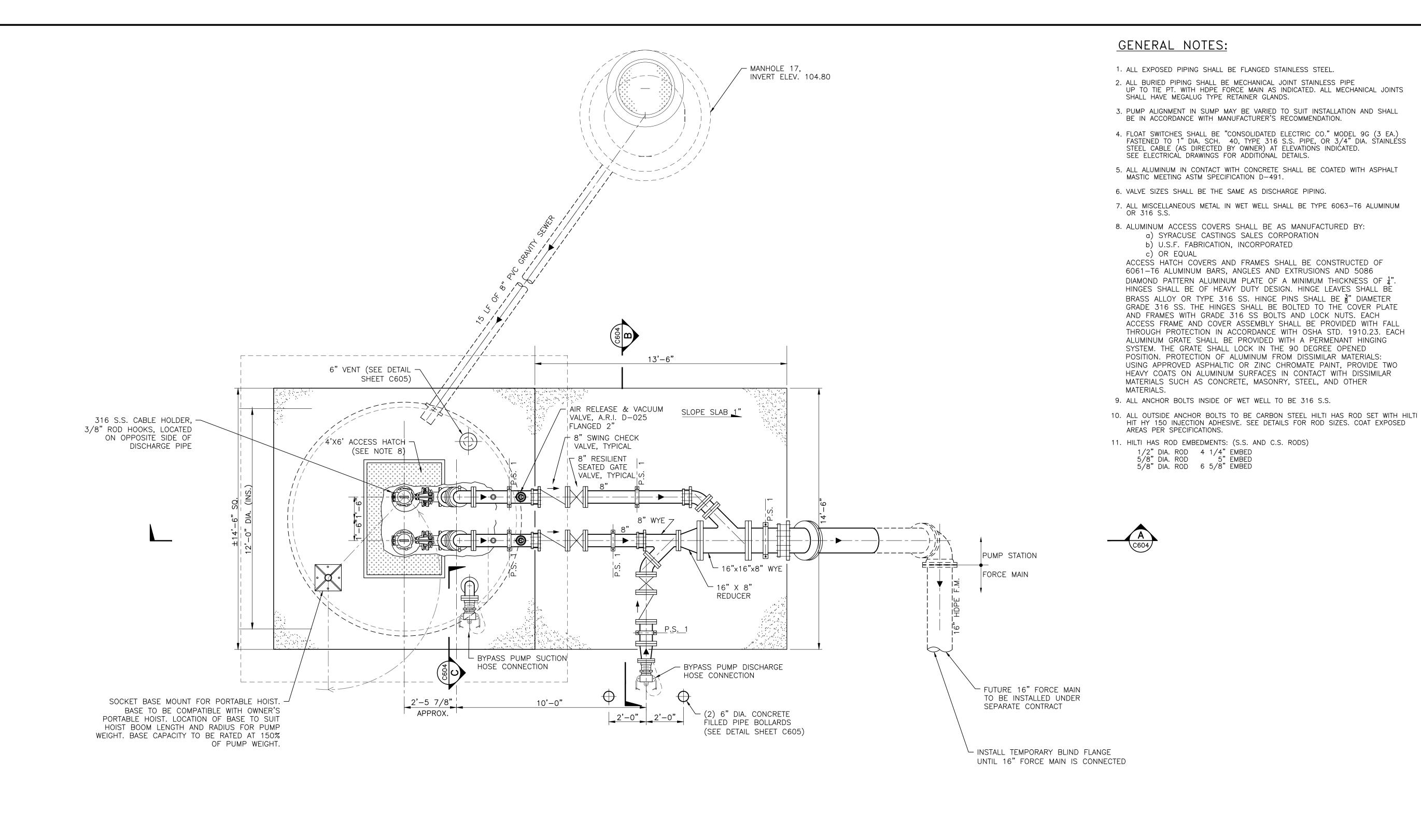
CITY OF FAIRHOPE UTILITIES FAIRHOPE, ALABAMA

PLANTER'S POINTE LIFT STATION

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PLAN VIEW - PUMP STATION SCALE: 3/8" = 1'-0"

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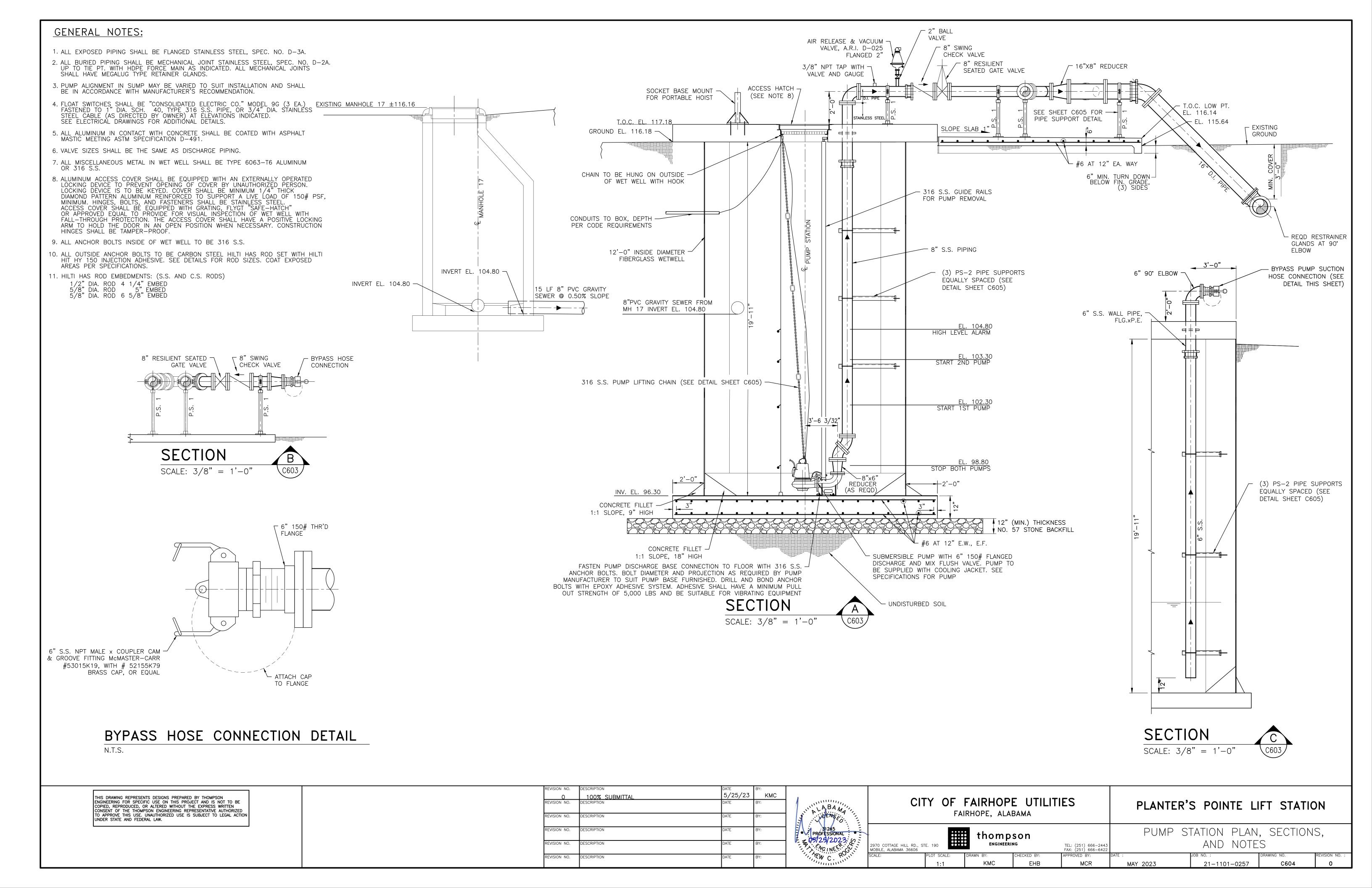
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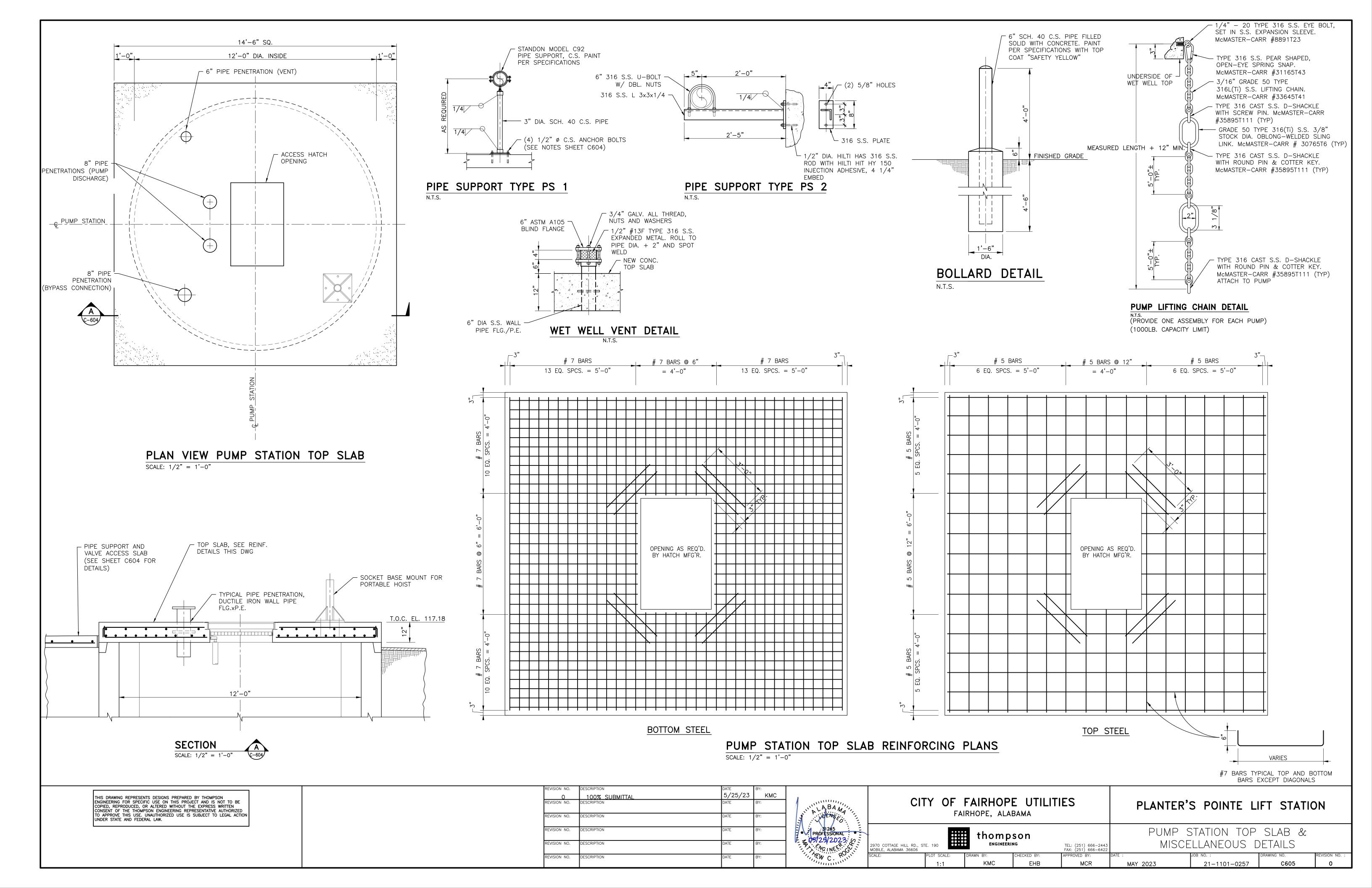
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MAY 2023

21-1101-0257

C603





PUMP SPECIFICATION SHEET ISSUED 1/18/2023 SP-1 P-1 & P-2 Tag No.: Service: Sewage Planters Pointe Shopping Center Pumping Station Location: Type of Pump: End Suction Centrifugal - Submersible Pump Solids Handling Capability: 3" minimum diameter spherical solid Materials of Construction: 1. Casing – Gray cast iron Class 35B 2. All Exposed Bolts & Nuts – 303/304 stainless steel 3. Pump Exterior Coating - Factory applied primer and finish coat Epoxy Paint to suit pumped media 4. Shaft & Sleeve - Stainless Steel 5. Impeller – Ductile Iron 6. O-Rings – Buna-N and Fluorocarbon (DuPont Viton or Equivalent) 7. Upper Bearing - Single row ball bearing/ permanent lubrication 8. Lower Bearing - Single row ball bearing/ permanent lubrication 9. Seal – Tandem Mechanical Oil lubrication Upper, self-lubricating lower 10. Guide Rails - Type 316 Stainless Steel The pump shall have a 6" cast iron quick-disconnect discharge elbow permanently mounted to the wet well floor. The elbow shall include 316 stainless steel guide-rail guides to allow removal and replacement of pump without personnel entering the wet wall. The guide rails shall be furnished by the contractor and the brackets furnished by the pump supplier. <u>Drive Motor</u>: 1. 50 horsepower, 460V, 60Hz, 3 phase 2. Design –squirrel-cage, induction 3. NEMA Design – Type B 4. Windings – Copper, Class H Insulated rated for 356 °F / 180 °C 5. Service Factor – 1.15 continuous 6. Design Temperature – 40°C ambient 7. Non-overloading at any point on pump curve 8. Explosion Proof 9. Air filled or oil motor, may have closed, integral, liquid cooling system. 10. Motor Terminal Board 11. Stator shall be heat-shrink fitted. 12. Motor Winding Over temperature switches embedded in windings. 13. Seal Failure Moisture Probe **Guaranteed Performance**:

 GPM
 IDH
 RPM
 EF

 Design:
 1650
 67'
 1770
 68

Warranty: The pump manufacturer shall warrant the unit being supplied to the Owner against defects in workmanship and material for a period of two (2) years unlimited hours.

Experience: Pump manufacturer's direct sales and service representative shall have local experience

EMU FA15.97Z

directly related to the proposed pumps and adjoining equipment.

Manufacturer(s): Pumps complying with the specified parameters and as included on the Owner's list of approved pump manufacturers shall be acceptable.

ACCEPTABLE PUMP EQUIVALENTS

MANUFACTURER MODEL REMARKS

Curve FA15.97Z 1740

Impeller 10.63"

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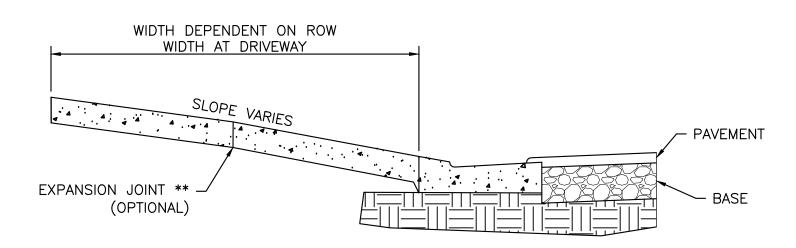
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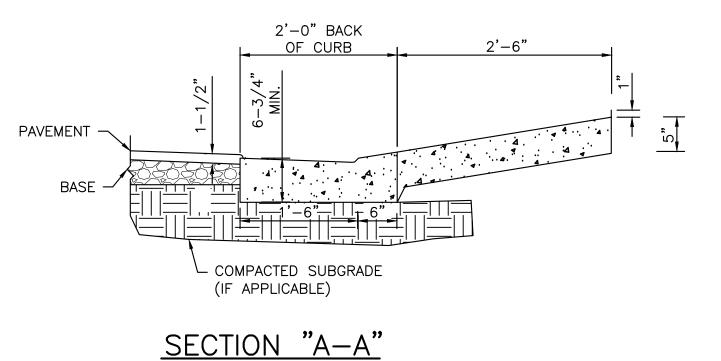
CITY OF FAIRHOPE UTILITIES FAIRHOPE, ALABAMA	PLANTER'S POINTE LIFT STATION				
thompson 2970 COTTAGE HILL RD., STE. 190 MOBILE, ALABAMA 36606 TEL: (251) 666-244 FAX: (251) 666-642					
SCALE: PLOT SCALE: DRAWN BY: CHECKED BY: APPROVED BY:	DATE: JOB NO.: DRAWING NO. REVISION NO.:				

MAY 2023

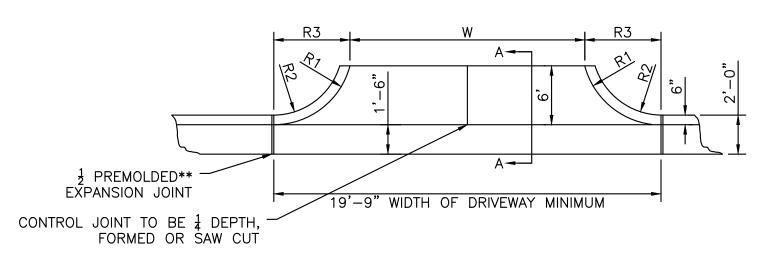
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CROSS SECTION DRIVEWAY & SIDEWALK



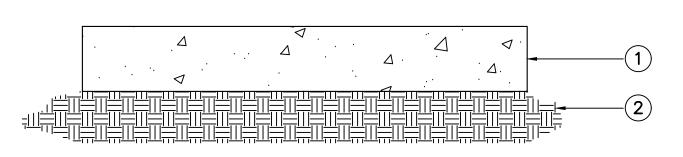
N.T.S.



PLAN VIEW CONCRETE DRIVEWAY APRON

N.T.S.

CONCRETE DRIVEWAY DETAIL FOR ASPHALT ROADWAY WITH CURB & GUTTER
N.T.S.

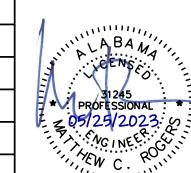


4" THICK, 3000 PSI MIN. CONCRETE (SIZE AS INDICATED ON SHEET C601)
 SUBGRADE, TOP 12" COMPACTED TO 98% STANDARD PROCTOR (ASTM D-1557 AT ±3% O.M.C.)

CONCRETE PAD DETAIL

NGINEERING FOR S OPIED, REPRODUCE ONSENT OF THE TH	ESENTS DESIGNS PR PECIFIC USE ON THI ID, OR ALTERED WITI HOMPSON ENGINEERI	S PROJECT AND IS HOUT THE EXPRESS NG REPRESENTATIVI	NOT TO BE WRITTEN AUTHORIZED
TO APPROVE THIS U UNDER STATE AND F		USE IS SUBJECT T	O LEGAL ACTION

REVISION NO.	DESCRIPTION 100% SUDMITTAL	DATE 5/25/23	BY: KMC
REVISION NO.	100% SUBMITTAL DESCRIPTION	DATE	BY:
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,,,	CITY OF FAIRHOPE UTILITIES FAIRHOPE, ALABAMA						PLANTER'S POINTE LIFT STATION				
	thompson 2970 COTTAGE HILL RD., STE. 190 MOBILE, ALABAMA 36606 TEL: (251) 666-2443 FAX: (251) 666-6422						MISC	CELLANEOUS	DETAILS		
	SCALE:	PLOT SCALE:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE :			JOB NO. :	DRAWING NO.	REVISION NO. :
		1:1	KMC	EHB	MCR		MAY 2023		21-1101-0257	C607	0

* IF SITE CONDITIONS

PROHIBIT THE USE OF

THESE STANDARDS, AN

ALTERNATIVE MAY BE

** EXPANSION JOINT MATERIAL TO MEET

ALDOT SPECIFICATIONS 832.01 & 832.02

SUBMITTED FOR APPROVAL TO THE

ENGINEER

MINIMUM*

20'

19.5'

24'

NOTE: CONCRETE APRON AND DRIVEWAY

TO BE 5" MINIMUM THICKNESS.

SIDEWALK PANELS THAT ABUT

OTHER SIDEWALK PANELS TO BE

CONCRETE TO BE 3000 P.S.I. MIX WITH NATURAL COLOR AND

THE DRIVEWAY TO BE 5" MINIMUM THICKNESS.

4" MIN. THICKNESS.

BROOM FINISH.

R2

R3

ELECTRICAL LEGEND POWER, LIGHTING & FIRE ABBREVIATIONS (HS)— WALL MOUNTED EXTERIOR LIGHT, SEE FIXTURE SCHEDULE AIR CONDITIONING ABOVE FINISHED FLOOR EM WALL MOUNTED, SELF-CONTAINED EMERGENCY LIGHT, SEE FIXTURE SCHEDULE AIR HANDLING UNIT AMPS INTERRUPTING CAPACITY (SHORT CIRCUIT) SURGE SUPPRESSOR (FY) (XXX) L.A. ••• 🕕 ALUMINUM AMMETER AUTOMATIC CEILING/WALL MOUNTED EXIT LIGHT, SEE FIXTURE SCHEDULE **AUXILIARY** AMERICAN WIRE GAUGE DUPLEX RECEPTACLE, 20A, 125V, 2P, 3W,, GRDG, NEMA 5-20R, MOUNTED 18" H. ADDITIONAL MARKS FOR RECEPTS: CONDUIT CIRCUIT BREAKER G = GROUND FAULT INTERRUPTING TYP WP = GROUND FAULT & WEATHERPROOF BOX & COVER PLATE FOR WET LOCATIONS CHILLED CIRCUIT XX"H. INDICATES HEIGHT ABOVE FINISHED FLOOR IF NOT STANDARD COPPER SINGLE POLE LIGHTING SWITCH, 20A, 120/277VAC, SILENT TOGGLE CONNECTED CONTROL POWER TRANSFORMER CONTROL RELAY CONDUIT ONLY THREE-WAY LIGHTING SWITCH, 20A, 120/277VAC, SILENT TOGGLE 4 CURRENT TRANSFORMER FOUR-WAY LIGHTING SWITCH, 20A, 120/277VAC, SILENT TOGGLE DEEP DIRECT CURRENT DISCONNECT Sa "a" INDICATES OUTLET(S) OR LIGHTING CIRCUITS SWITCHED OWN MANUAL MOTOR STARTING SWITCH. WHEN USED FOR THERMAL PROTECTION. INSTALL HEATERS LECTRIC OPERATOR LECTRIC SAFETY DISCONNECT SWITCH, NON-FUSED, SIZE/NO. OF POLES & ENCLOSURE NOTED EMERGENCY EXIST. RELOCATED EQUIPMENT (GROUND) ENCLOSED CIRCUIT BREAKER, SIZE/NO. OF POLES & ENCLOSURE NOTED JUNCTION BOX, 4" SQ. UNLESS NOTED, FURNISH BLANK COVER PLATE INCREASE SIZE AS PER CODE REQUIRED VOLUME GROUND GROUNDING GROUND FAULT INTERRUPTING HIGH, (MOUNTING HEIGHT TO CENTER LINE) TS-3 JUNCTION BOX. WALL MOUNTED. 4" SQ. OR LARGER AS REQUIRED GRDG MAIN OR DISTRIBUTION PANEL OR SWITCHBOARD, 277/480V, 3PH., SURFACE TRIM HAND-OFF AUTOMATIC SWITCH FS-3 LIGHTING OR MISCELLANEOUS POWER PANEL, SURFACE TRIM, SEE SCHEDULES 000 ISOLATED GROUND WIRING IN CONDUIT, CONCEALED IN WALLS OR CEILING, HATCH MARKS INDICATE NO. OF CURRENT CARRYING WIRES IF MORE THAN 2. WHEN NOT MARKED 1/2" C. w/2-#12 & 1-#12 GR. (GROUND WIRES NOT MARKED, BUT REQUIRED; MINIMUM SIZE #12, GREEN INSULATED COPPER) LS-1 ISOLATED INPUT INSULATED INSTALL OR INSTRUMENT JUNCTION BOX WIRING IN EXPOSED CONDUIT, RUN PARALLEL AND PERPENDICULAR TO BUILDING LINES & STRUCTURAL ELEMENTS, WIRES SAME AS NOTES ABOVE KNOCK OUT KILOWATTS WIRING, IN UNDERGROUND PVC CONDUIT, 18" MIN. COVER (GREATER WHEN NOTED) SEE NOTES FOR CONCEALED WIRING ABOVE LIGHTING LIGHTS MAGNETIC (METER or STARTER) HOME RUN TO PANEL, SEE NOTES FOR EXPOSED & CONCEALED WIRING, PANEL-CIRCUIT(S) NOTED **MANUAL** MAIN BREAKER CONDUIT TURNING UP THOUSAND CIRCULAR MILS MOLDED CASE SWITCH MECHANICALLY (HELD) CONDUIT TURNING DOWN MOUNT M MOTOR, AC INDUCTION; HORSEPOWER MARKED, VOLTAGE & PHASE NOTED MOUNTED **NEUTRAL** DRY TYPE TRANSFORMER NORMALLY CLOSED NORMALLY OPEN **THERMOSTAT** OVER HEAD ELECTRICAL LINE OVERLOADS (THERMAL) OPEN/CLOSE/AUTOMATIC (OCA)) STARTER, RELAY OR CONTACTOR; SEE PLANS FOR NOTES (FA = FIRE ALARM, LC = LIGHTING CONTACTOR) PANEL OR PANELBOARD POTENTIAL TRANSFORMER GROUND POUNDS WEIGHT GROUND TEST STATION #(PREFIX $\otimes H_{i}$ WIRE GAUGE (AWG) RECEPTACLE RECEPTACLE SHORT CIRCUIT (DUTY) KVA LOAD KVA LOAD SOLID NEUTRAL LOAD DESCRIPTION LOAD DESCRIPTION SOLID (CONDUCTOR) SQUARE SHUNT TRIP ØΑ ØB ØB STARTER CONTROL BLDG LIGHTS 12 0.12 CNTRL BLDG RECEPTS | 12 20 20 | 2 | 0.36 TELEPHONE 0.03 0.18 P.S. CONTROL PANEL 3 20 20 LEVEL XTMR (LIT-100) | 12 [EMPERATURE (CONTROL) TIMED ON ENERGIZAITON 5 | 20 20 TYPICAL 20 8 UNINTERRUPTIBLE POWER SYSTEM M ÜĞ ÜĞP ÜĞS 9 20 10 UNDERGROUND UNDERGROUND PRIMARY | 11 | UNDERGROUND SECONDARY 13 14 VOLTS ALTERNATING CURRENT 15 16 VOLTMETER 17 18 WATTS OR WIRE (USE CONTEXT) 100W (WATTS) 3W (WIRE) 30 20 SURGE SUPPRESSOR WATER HEATER 21 20 2P 22 AC/HTR UNIT WEATHERPROOF 24 WIREWAY (or GUTTER) | 23 | 2P SUBTOTAL VA: 0.12 0.03 0.36 0.18 | SUBTOTAL VA VOLTAGE SOURCE: TRANSFORMER "T-1" 0.48 TOTAL KVA ØA: PANEL " P " CIRCUIT LS |VOLTAGE: 120/240 0.21 MAIN: 60 TOTAL KVA ØB: TOTAL CKTS: 42 AMPS: 100 PHASE: 1 QS SCHEDULE 0.69 TRIM: SURFACE TOTAL CONN. KVA: EST. DEMAND: 2.88 INTERRUPT RATING: 10,000 A.I.C. SYMMETRICAL LOC'N: CONTROL BLDG. THIS DRAWING REPRESENTS DESIGNS PREPARED BY THOMPSON

INSTRUMENT PLAN SYMBOLS

(SHOWN ON ELECTRICAL PLANS)

HAND SWITCH LIGHT

TRANSMITTER

TRANSDUCER, I/P, ETC..

LEVEL SWITCH, PRESSURE SWITCH, ETC..

TEMPERATURE WELL AND TRANSMITTER

ANALYZER OR FIELD PANEL

MAGMETER FLOW TUBE

PNEUMATIC CONTROL VALVE

MOTOR OPERATED PINCH VALVE

MOTOR OPERATED PLUG VALVE

BUTTERFLY VALVE w/PNEUMATIC OPERATOR

SOLENOID VALVE, 120VAC COIL

MOTOR OPERATED KNIFE GATE VALVE

TEMPERATURE SWITCH IN MOTOR

LIMIT SWITCH

LEVEL SWITCH

DATA OR LOGIC PERFORMED BY COMPUTER

FUNCTION EXPLANATION OR UNITS INSTRUMENT CONTROL FUNCTION TAG

-LOOP NUMBER
-DENOTES MOUNTED INSIDE PANEL
(OR REAR)

-w/o LINE DENOTES PRIMARY ELEMENT OR LOCALLY MOUNTED

—PANEL MOUNTED INSTRUMENT

—COMPUTER FUNCTION

—INPUT OR OUTPUT

D = DIGITAL I = INPUT I

A = ANALOG O = OUTPUT

A = ANALOG PLC FUNCTION

FUNCTION TAG LOOP NUMBER

INDICATOR LIGHT (LETTER=COLOR)

MOTOR OR MOTORIZED ACTUATOR

SURGE ARRESTOR

INTERLOCK

QI STATUS OR EVENT
JI POWER ON
MS MOISTURE SWITCH
TS TEMPERATURE SWITCH
TI TEMPERATURE SWITCH ACTIVATED
LS LEVEL SWITCH
LI LEVEL SWITCH ACTIVATED
QS DIGITAL CLOSURE EQUIVALENT

INITIATING VARIABLE MODIFIER PASSIVE FUNCTION **FUNCTION** MODIFIER ANALYSIS ALARM BURNER, COMBUSTION USER'S CHOICE USER'S CHOICE CONTROL USER'S CHOICE USER'S CHOICE DISSOLVED OXYGEN DIFFERENTIAL DENSITY SENSOR (PRIMARY ELEMENT) VOLTAGE FLOW RATE RATIO (FRACTION) GLASS, VIEWING DEVICE USER'S CHOICE HAND (MANUAL) CURRENT (ELECT.) OR INTERLOCK INDICATE HIGH SCAN POWER TIME RATE OF CHANGE TIME, TIME SCHEDULE CONTROL STATION LIGHT MOMENTARY LOW MOTION OR MOISTURE USER'S CHOICE USER'S CHOICE MIDDLE, INTERMEDIATE USER'S CHOICE USER'S CHOICE ORIFICE, RESTRICTION USER'S CHOICE PRESSURE OR VACUUM POINT (TEST) CONNECTION QUANTITY OR EVENT INTEGRATE, TOTALIZE RECORD

INSTRUMENT IDENTIFICATION LETTERS

READOUT OR

SUCCEEDING-LETTERS

OUTPUT

SWITCH

TRANSMIT

MULTIFUNCTION

UNCLASSIFIED

VALVE, DAMPER, LOUVER

RELAY, COMPUTE, CONVERT

FINAL CONTROL ELEMENT

DRIVER, ACTUATOR, UNCLASSIFIED,

MULTIFUNCTION

UNCLASSIFIED

(*) pH, CL RES., DO , OR AS NOTED ABOVE BUBBLE

MULTIFUNCTION

UNCLASSIFIED

ELECTRICAL NOTES:

SPEED, FREQUENCY OR SOLENOID | SAFETY

VIBRATION, MECHANICAL ANALYSIS

TORQUE OR USER'S CHOICE

EVENT, STATE OR PRESENCE

POSITION, DIMENSION

TEMPERATURE

MULTIVARIABLE

WEIGHT, FORCE

FIRST-LETTER

MEASURED OR

- ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRIC CODE, THE OCCUPATIONAL SAFETY AND HEALTH ACT, AND ALL ELECTRICAL CODES LOCALLY BEING ENFORCED BY LOCAL AUTHORITY HAVING JURISDICTION (AHJ) IN THE PROJECT AREA.
- 2. CONTRACTOR TO OBTAIN AND PAY FOR ALL PERMITS, INSPECTION AND CONNECTION FEES.
- . CONTRACTOR TO PROVIDE ALL LABOR, MATERIAL, EQUIPMENT AND SUPERVISION FOR AND INCIDENTAL TO THE COMPLETION OF A FULLY FUNCTIONAL, SAFE AND COMPLETE ELECTRICAL SYSTEM.
- 4. CONTRACTOR TO TEST SYSTEM THOROUGHLY IN THE PRESENCE OF OWNER AND RENDER IT FREE FROM DEFECTS. CONTRACTOR TO PROVIDE OWNER WITH A ONE YEAR WARRANTY AFTER ACCEPTANCE.
- 5. THE CONTRACTOR SHALL PROPERLY SEAL ALL PENETRATIONS.

X AXIS

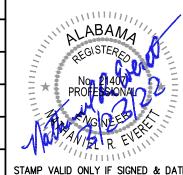
Y AXIS

Z AXIS

- 6. ELECTRICAL WORK SHALL BE COORDINATED WITH ALL OTHER TRADES TO AVOID ANY CONFLICTS AND/OR CREATING A SAFETY HAZARD.
- 7. ELECTRICAL CONTRACTOR TO COORDINATE WITH THE OWNER FOR ANY ELECTRICAL REQUIREMENTS FOR SPECIAL EQUIPMENT.
- 8. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF ALL CIRCUITS ASSOCIATED WITH THE PROJECT WORK AREA.
- 9. ALL EQUIPMENT AND MATERIALS SHALL MEET OR EXCEED THE SCHEDULED AND/OR REQUIRED ITEMS. SUBMIT FOR PRIOR APPROVAL FOR ANY DEVIATIONS.
- 10. NO CHANGES SHALL BE MADE IN MATERIALS OR INSTALLATION WITHOUT ENGINEER AND OWNER'S APPROVAL
- 11. CONTRACTOR SHALL VERIFY CLEARANCE SPACE AVAILABLE, OFFSETS REQUIRED, STRUCTURAL OPENINGS, AND WORK BY OTHER TRADES.
- 12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING THE PUMP STATIONS IN OPERATION DURING CONSTRUCTION.
- 13. CONDUCTORS SHALL BE COPPER. MINIMUM SIZE FOR POWER CONDUCTORS SHALL BE #12 AWG. CONTROL CABLES SHALL BE TYPE THHW STRANDED COPPER, MINIMUM SIZE #14 AWG. SIGNAL CABLES SHALL BE TWISTED AND SHIELD, #16 AWG MINIMUM. CABLES SHALL BE U.L. LISTED AND SHALL BE MANUFACTURED BY G.E., GENERAL CABLE, ROME, COLLYER, OR AN ENGINEER APPROVED EQUIVALENT.
- 14. SCHEDULE 80 PVC CONDUITS SHALL BE PROVIDED FOR UNDERGROUND INSTALLATION. ALL EXPOSED CONDUITS SHALL BE RIGID GALVANIZED STEEL.
- 15. SPLICING OF CABLES INSIDE CONDUIT AND AREAS THAT ARE DAMP IS NOT PERMITTED
- 16. THE PLC SHALL BE PROGRAMMED TO ACCEPT THE NEW INPUTS AND OUTPUTS SIGNALS AS INDICATED BY THE PLANS.
- 17. ALL ELECTRICAL EQUIPMENT SHALL BE PURCHASED FROM LOCAL DISTRIBUTION WITHIN 100 MILES OF PROJECT UNLESS OTHERWISE SPECIFIED.
- 18. ALL MOTORS HORSEPOWER 50 HP OR GREATER SHALL HAVE SOLID STATE SOFT STARTERS UNLESS OTHERWISE SPECIFIED.
- 19. ALL EXTERIOR RECEPTACLES WITH WEATHERPROOF (WP) COVERS SHALL BE THE "WHILE IN USE" POLYCARBONATE TYPE.
- 20. THE ELECTRICAL SYSTEM SHALL MEET OR EXCEED THE IEEE 519 REQUIREMENTS FOR HARMONICS.

THIS DRAWING REPRESENTS DESIGNS PREPARED BY THOMPSON ENGINEERING FOR SPECIFIC USE ON THIS PROJECT AND IS NOT TO BE COPIED, REPRODUCED, OR ALTERED WITHOUT THE EXPRESS WRITTEN CONSENT OF THE THOMPSON ENGINEERING REPRESENTATIVE AUTHORIZED TO APPROVE THIS USE. UNAUTHORIZED USE IS SUBJECT TO LEGAL ACTION UNDER STATE AND FEDERAL LAW.

	REVISION NO.	DESCRIPTION	DATE	BY:
	Α	90% SUBMITTAL	12/20/21	NRE
	REVISION NO.	DESCRIPTION	DATE	BY:
	В	ISSUED FOR CONSTRUCTION	2/9/22	NRE
	REVISION NO.	DESCRIPTION	DATE	BY:
	С	REVISED SITE PLAN	3/23/22	NRE
	REVISION NO.	DESCRIPTION	DATE	BY:
	REVISION NO.	DESCRIPTION	DATE	BY:
ľ	REVISION NO.	DESCRIPTION	DATE	BY:



	CITY OF FAIRHOPE UTILITIES FAIRHOPE, ALABAMA					PUMP STATION AND FORCE MAIN IMPROVEMENTS				
	2970 COTTAGE HILL RD., ST MOBILE, ALABAMA 36606	TE. 190	thomp ENGINEERI		TEL: (251) 666-2443 FAX: (251) 666-6422		LEGI	END AND SY	MBOLS	
	SCALE:	PLOT SCALE:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE :		JOB NO. :	DRAWING NO.	REVISION NO. :
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