



Project Name McDuffie Terminal Improvements – New Assembly and Shop Buildings

Location Mobile, Alabama

Project # 11411 **Task #** 3 **March 11, 2026**

Addendum 2
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ADDENDUM NO. 2

Item	Description
	Effective March 9, 2026, the Port’s legal name has been changed to Alabama Port Authority. The name change bill, Act 2026-217, was signed by the Governor on March 9, 2026, officially establishing the name change. Moving forward all official documents will use the name Alabama Port Authority, or reference “the Alabama Port Authority, formerly known as the Alabama State Port Authority.”
DIVISION I – BID DOCUMENTS	
No additions	
DIVISION II – CONTRACT DOCUMENTS	
No additions	
DIVISION III – SPECIAL PROVISIONS	
No additions	
DIVISION IV – GENERAL PROVISIONS	
No additions	
DIVISION V – CONSTRUCTION SPECIFICATIONS	
1	Paragraph 7.1, page V-43 should read as follows: Boring logs from the site geotechnical investigation are included in the drawings and are provided as a reference to the CONTRACTOR. The subsurface and groundwater conditions shown are reported as observed during the sampling phase of the investigation. The soils information given is intended to provide an indication of the conditions that will be encountered but cannot be given as a guarantee.



Alabama Port Authority



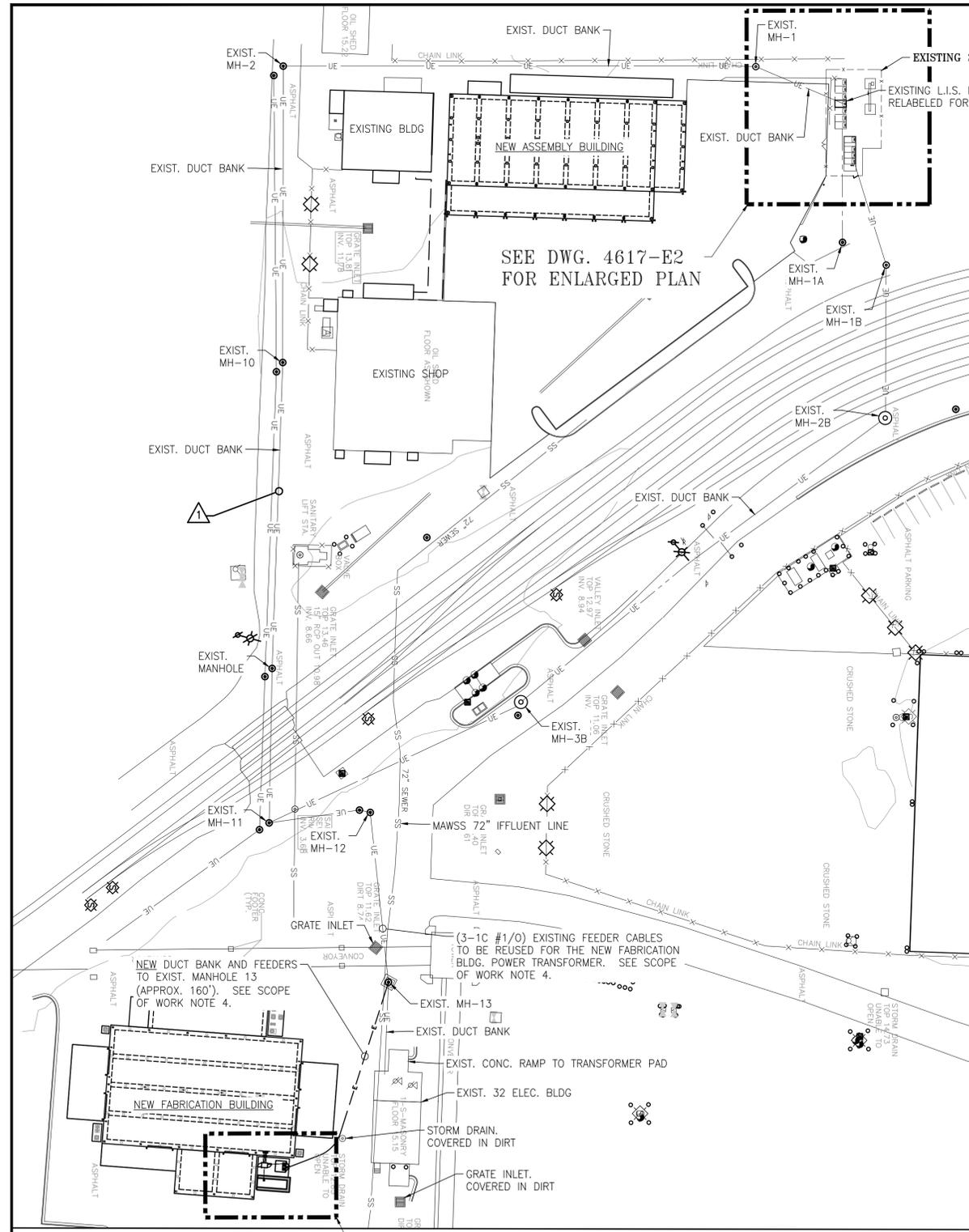
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Item	Description
NOTES	
2	Revised Drawings (attached) Drawing No. 4617 E1 Drawing No. 4617 E2
3	Contractor Questions (attached)



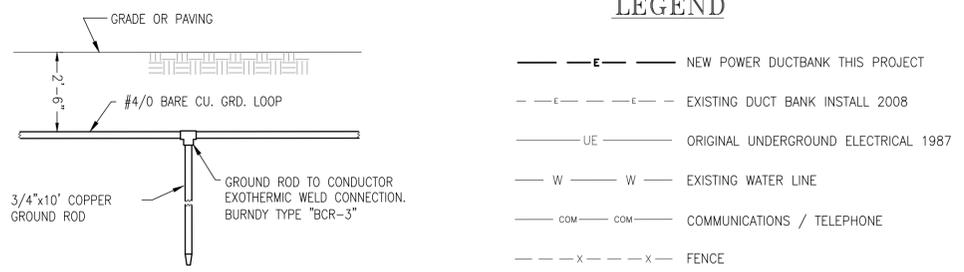
ELECTRICAL GENERAL SCOPE OF WORK:

- THE WORK COVERED BY THE CONTRACT DRAWINGS 4617-E1 THRU 4617-E2 AND THE ELECTRICAL SPECIFICATIONS CONSISTS OF THE CONTRACTOR PROVIDING ALL LABOR, EQUIPMENT, AND MATERIALS AND PERFORMING ALL OPERATIONS NECESSARY TO PROVIDE THE COMPLETE INSTALLATION OF THE ELECTRICAL SERVICE REQUIRED FOR THE McDUFFIE TERMINAL NEW FABRICATION BUILDING.
 - NEW FABRICATION BUILDING ELECTRICAL SERVICE: CONTRACTOR SHALL PROCURE, PROVIDE AND INSTALL THE ELECTRICAL EQUIPMENT AS LISTED BELOW:
 - NEW 1500KVA TRANSFORMER
 - NEW AUTOMATIC TRANSFER SWITCH (A.T.S.)
 - EXISTING GENERATOR (TO BE RELOCATED FROM CURRENT LOCATION AT McDUFFIE TERMINAL)
 - NEW SWITCHBOARD 'MP' INSTALLATION AND FEEDER FROM A.T.S. ONLY (LOAD SIDE WIRING BY OTHERS)
 - EXISTING WAREHOUSE 23KV LOAD INTERRUPTER SWITCH (L.I.S.) AND FEEDERS TO BE REUSED FOR THE NEW FABRICATION BLDG.
 - EXISTING 23KV LIS FOR THE EXISTING WAREHOUSE BLDG TO BE DISCONNECTED AND REUSED FOR THE NEW ADMINISTRATION BLDG. POWER AFTER THE NEW FABRICATION BLDG. POWER IS CONNECTED.
 - EXISTING 23KV SPARE LIS TO BE USED FOR NEW 23KV FEEDERS TO THE NEW FABRICATION BLDG.
 - FABRICATION BLDG. POWER NEEDS TO BE WORKED AND INSTALLED BEFORE THE NEW ASSEMBLY BLDG. POWER IS REQUIRED.
 - RECONDITIONING THE 23KV LOAD INTERRUPTER SWITCH INCLUDING THE UPGRADING OF FUSES.
 - ALL NEW ELECTRICAL CONDUIT AND DUCTBANKS AS SHOWN ON PLAN DRAWING 4617-E2.
 - ALL CONDUIT AND WIRING BETWEEN THE TRANSFORMER, A.T.S., GENERATOR AND SWITCHBOARD 'MP'.
 - ALL GROUNDING AS SHOWN ON DWGS. 4617-E1 AND E2 AND AS PER NEC ARTICLE 250.
 - SEE NOTE 4 THIS DRAWING FOR REQUIRED CONDUIT AND CABLE REPLACEMENT IF NECESSARY.
- APA IS RESPONSIBLE FOR COMMUNICATIONS, WIFI ANTENNA AND SECURITY CAMERA INSTALLATION REQUIREMENTS.
 - ELECTRICAL CONTRACTOR TO MEGGER EXISTING #1/0 CABLES TO ACCEPTABLE MEGGING STANDARDS. IF MEGGING CABLES RESULTS ARE NOT DETERMINED TO BE ACCEPTABLE THEN CONTRACTOR TO NOTIFY OWNER/ENGINEER.

GENERAL GROUNDING NOTES:

- PROVIDE GROUNDING AND BONDING SYSTEMS IN STRICT ACCORDANCE WITH THE LATEST PUBLISHED EDITION OF THE N.E.C., EXCEPT WHERE MORE STRINGENT REQUIREMENTS ARE SPECIFIED HEREIN.
- INTERCONNECTION OF NEUTRAL AND GROUND IS NOT PERMITTED EXCEPT AT SERVICE ENTRANCE EQUIPMENT.
- INSTALL GROUNDING TO PERMIT SHORTEST AND MOST DIRECT PATH TO GROUND.
- ALL ELECTRICAL CIRCUITS SHALL INCLUDE A SEPARATE GREEN, XHHW COPPER EQUIPMENT GROUNDING CONDUCTOR, SIZED PER THE REQUIREMENTS DEFINED IN THE LATEST EDITION OF THE NEC, TO GROUND THE ELECTRICAL EQUIPMENT AND POWER PANELS.
- GREEN INSULATED GROUND WIRE SHALL BE RUN IN ALL FEEDER AND BRANCH CIRCUIT CONDUITS WITH PHASE AND/OR NEUTRAL CONDUCTORS.
- GROUNDING CONNECTIONS ABOVE GRADE SHALL BE OF THE MECHANICAL TYPE. CONNECTIONS SHALL BE CLEANED TO BRIGHT METAL AND COATED WITH CORROSION INHIBITOR (T&B KOPR-SHIELD OR APPROVED EQUAL) PRIOR TO MAKE UP. CONNECTION SHALL THEN BE CLEANED AND SPRAYED WITH EPOXY ENAMEL AFTER MAKE UP.
- GROUNDING CONNECTIONS UNDERGROUND SHALL BE EXOTHERMIC TYPE WELDS.
- GROUND CONDUCTORS ROUTED THROUGH A CONCRETE SLAB OR WALL SHALL BE INSTALLED IN A 2" DIA. SCHEDULE 80 PVC CONDUIT SLEEVE. CONDUIT SLEEVE SHALL EXTEND 3" BEYOND THE FINISHED SURFACE. CONTRACTOR SHALL PROVIDE SUFFICIENT AMOUNT (LENGTHS) OF GROUND CONDUCTOR TO COMPLETE THE GROUNDING SYSTEM ABOVE GRADE WITHOUT SPLICES.

LEGEND



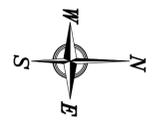
GROUND ROD DETAIL

GENERAL NOTES:

- SEE DWG. 4617-G2 FOR THE ELECTRICAL DRAWING INDEX. SEE DWG. 4617-E2 FOR THE NEW FABRICATION BUILDING ELECTRICAL SERVICE PLAN.
- ALL WORK AND WIRING SHALL COMPLY WITH OR EXCEED ALL NATIONAL ELECTRICAL CODE REQUIREMENTS, AND ALL CODE REQUIREMENTS OF THE STATE, CITY AND LOCAL ELECTRIC CODES.
- ALL GROUNDING SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE LATEST APPLICABLE RULES OF THE NATIONAL ELECTRIC CODE INCLUDING ANY STATE, COUNTY, CITY AND LOCAL CODE REQUIREMENTS.
- LABELS AND TAGS FOR WIRING SHALL CARRY A REVERSE TAGGING IDENTIFICATION TO INDICATE THE EQUIPMENT, DEVICE, TERMINAL BLOCK AND TERMINAL NUMBER ON THE OPPOSITE END. REFERENCE ANSI/TIA STANDARD 606-B FOR GENERIC LABELING PRACTICES THAT APPLIES TO ALL TYPES OF PREMISES.
- CONDUIT AND WIRING: CONDUIT ROUTING ON PLAN DRAWINGS IS DIAGRAMMATIC AND SHALL BE USED FOR REFERENCE ONLY. CONTRACTOR TO VERIFY THE EXISTING CONDITIONS OF EXISTING CONDUITS FOR OBSTRUCTIONS WITHIN. DIFFERENT VOLTAGES OF POWER AND CONTROL SYSTEMS SHALL BE ROUTED IN SEPARATE CONDUITS.
- THE CONTRACTOR SHALL PERFORM POINT TO POINT CONTINUITY CHECKS OF ALL HARDWIRED CONNECTIONS PRIOR TO START-UP.
- GROUNDING OF FIELD ENCLOSURES SHALL BE GROUND TO THE NEAREST GROUNDING STEEL STRUCTURE OR GROUNDING GRID WITH A NO. 2# BARE COPPER WIRE UNLESS NOTED OTHERWISE. CONDUIT SHALL NOT BE USED AS A RACEWAY TO GROUND ENCLOSURES. CONTRACTOR TO FOLLOW NEC GUIDELINES FOR SUITABLE GROUNDING METHODS.
- CONDUIT:
 - UNDERGROUND CONDUIT RUNS SHALL BE SCHED. 40 PVC
 - UNDERGROUND ELBOWS SHALL BE RIGID GALV. STEEL.
 - EXPOSED CONDUIT SHALL BE RIGID GALV. STEEL.
 - EXPOSED CONDUIT FITTINGS SHALL BE GALVANIZED STEEL.
 - CONDUIT ENTERING EQUIPMENT SHALL BE BONDED VIA COPPER GROUND BUSHING.
 - DRAIN BREATHERS TO BE INSTALLED AT LOW POINTS IN CONDUIT RUNS.
 - 90° SWEEPS SHALL BE REQUIRED FOR ALL COMMUNICATIONS CONDUITS.
- MANHOLE CABLE INSTALLATION: CONTRACTOR SHALL INSTALL ALL CABLES IN MANHOLES & HANDHOLES ALONG THE WALLS USING CABLE SUPPORTS. CABLES SHALL ALWAYS TAKE THE LONGEST ROUTE AROUND THE MANHOLES AND HANDHOLES TO ALLOW FOR SLACK FOR FUTURE.
- PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL FIELD VERIFY WITH APA THE LOCATIONS OF ANY POSSIBLE UNDERGROUND UTILITIES THAT ARE NOT PRESENTLY SHOWN ON THE CONTRACT DRAWINGS. THE UNDERGROUND UTILITIES THAT ARE SHOWN ON THE CONTRACT DRAWINGS ARE APPROXIMATE LOCATIONS ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE EXACT LOCATIONS. THE CONTRACTOR SHALL STOP ALL WORK IF ANY UNDERGROUND UTILITY IS DISCOVERED DURING EXCAVATION THAT WAS NOT PREVIOUSLY IDENTIFIED UNTIL APPROVED BY THE APA REPRESENTATIVE.
- EXISTING CONDUIT AND STUB-UP LOCATIONS HAVE BEEN SHOWN IN GENERAL LOCATIONS IN RESPECT TO ON-SITE FIELD INVESTIGATIONS AND AVAILABLE AS-BUILT DRAWINGS RECEIVED FROM APA. THE CONTRACTOR SHALL VERIFY ALL CONDUIT SIZES, ROUTING AND STUB-UP LOCATIONS PRIOR TO PROJECT BID AND EXECUTION. CONTRACTOR TO REPORT ANY DISCREPANCIES WITH PREVIOUS AS-BUILT DRAWINGS TO THE APA PROJECT MANAGER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT SPARE CONDUITS AND SPACE CURRENTLY EXIST AS SHOWN ON THE PLAN DRAWINGS TO PERFORM THIS INSTALLATION PRIOR TO CONSTRUCTION.
- INSTALLATION OF ALL ELECTRICAL EQUIPMENT SHALL BE COORDINATED WITH THE ELECTRICAL EQUIPMENT MANUFACTURER. ANCHOR BOLTS SHALL BE FURNISHED BY THE CONTRACTOR AND INSTALLED AS INSTRUCTED PER MANUFACTURER'S SPECIFICATIONS. MAINTAIN MINIMUM REQUIRED CLEARANCES PER MANUFACTURER'S SPECIFICATIONS.
- AS-BUILTS: CONTRACTOR TO PROVIDE AS-BUILT DRAWINGS AT THE END OF THE PROJECT COMPLETION FOR MAINTENANCE TO USE FOR EQUIPMENT REPAIRS AND TROUBLE SHOOTING. ALL TERMINATION DRAWINGS SHALL BE UPDATED AT THE END OF THE PROJECT TO REFLECT ACTUAL INSTALLATION AND TERMINATION OF ALL WIRING.
- EXISTING AS-BUILT DRAWINGS ARE FOR GENERAL REFERENCE ONLY. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ANY REFERENCED EXISTING AS-BUILT INFORMATION INCLUDING, BUT NOT LIMITED TO, THE UNDERGROUND UTILITIES, BURIED CONDUIT AND DUCTBANKS AS REQUIRED FOR CONSTRUCTION INSTALLATION PURPOSES.
- DUCTBANKS:
 - PLASTIC DUCT SPACERS SHALL BE USED TO MAINTAIN DISTANCE BETWEEN CONDUITS THAT HAVE BEEN CALLED OUT ON THE DWG. THESE SPACERS SHALL BE PLACED PER MANUFACTURER'S INSTRUCTIONS, BUT NOT LESS THAN 2 SPACER ASSEMBLIES PER 10FT OF CONDUIT ASSEMBLY.
 - PROVIDE GROUND WIRE SIZE PER NEC REQUIREMENTS FOR ALL CIRCUITS. USE OF RACEWAYS AS GROUNDING IS NOT ACCEPTABLE.
 - ALL ELECTRICAL DUCTBANKS SHALL USE 3000 PSI RED DYE CONCRETE.
 - DUCTBANKS SHALL BE A MIN. OF 36" BELOW FINISHED GRADE. DUCTBANKS SHALL BE SLOPED AT 0.5% BACK TO MANHOLES TO INSURE PROPER DRAINAGE OF CONDUITS.
 - DEPTHS TO THE TOP OF DUCTBANKS GREATER THEN 4'-0" FOR DISTANCES OF SUBSTANTIAL LENGTH SHALL BE APPROVED BY THE APA REPRESENTATIVE PRIOR TO INSTALLATION. A MINIMUM SEPARATION OF 2 1/2" IS REQUIRED BETWEEN CONDUITS IN DUCTBANKS.
 - COORDINATE DUCTBANK AND UTILITY CROSSING LOCATIONS WITH UTILITY PLANS FOR CLEARANCES AND DEPTHS.

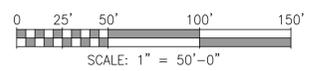
ABBREVIATIONS

- L.I.S. LOAD INTERRUPTER SWITCH
- MP MAIN POWER PANEL
- A.T.S. AUTOMATIC TRANSFER SWITCH



ELECTRICAL OVERALL SITE PLAN

1"=50'-0"



NOTES	REVISION	DATE	BY	CHK'D	APP'D
1876-E2 McDUFFIE TERMINALS 2007/08 EXP-PKG 2 ELECTRICAL ENLARGED VIEW OF SUBSTATION & NEW DUCT BANK					
1876-E3 McDUFFIE TERMINALS 2007/08 EXP-PKG 2 ELECTRICAL UNDERGROUND DUCT BANK DETAILS					
4617-E-300 FABRICATION BUILDING ELECTRICAL RISER DIAGRAM AND DETAILS	C		WMB	JEJ	RSG
	B		WMB	JEJ	RSG
	A		WMB	JEJ	RSG
REFERENCE DRAWINGS	NO.	REVISION	DRAWN	CK'D	APP'D

thompson ENGINEERING

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ALABAMA PORT AUTHORITY

CLIENT DWG NO:

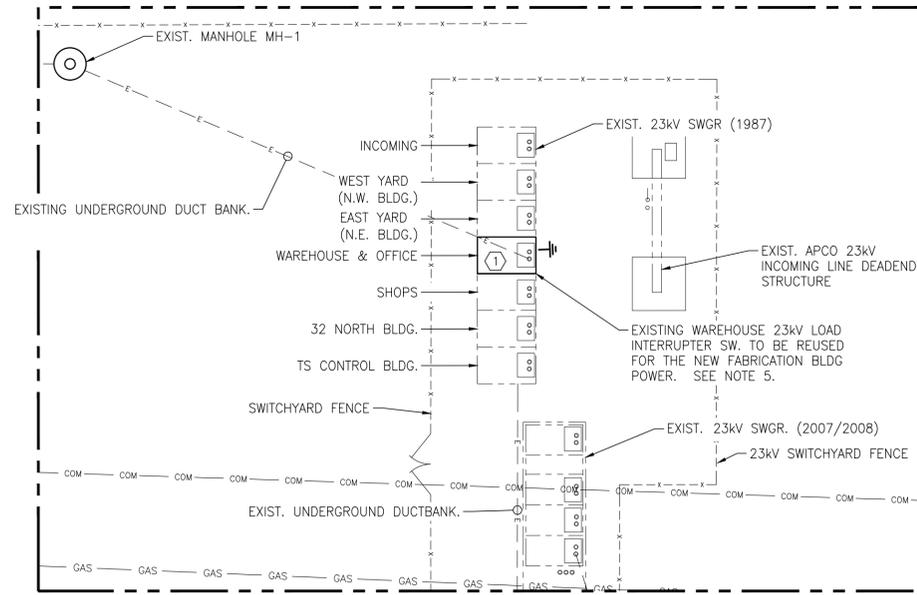
McDUFFIE TERMINAL IMPROVEMENTS

NEW FABRICATION SHOP PACKAGE

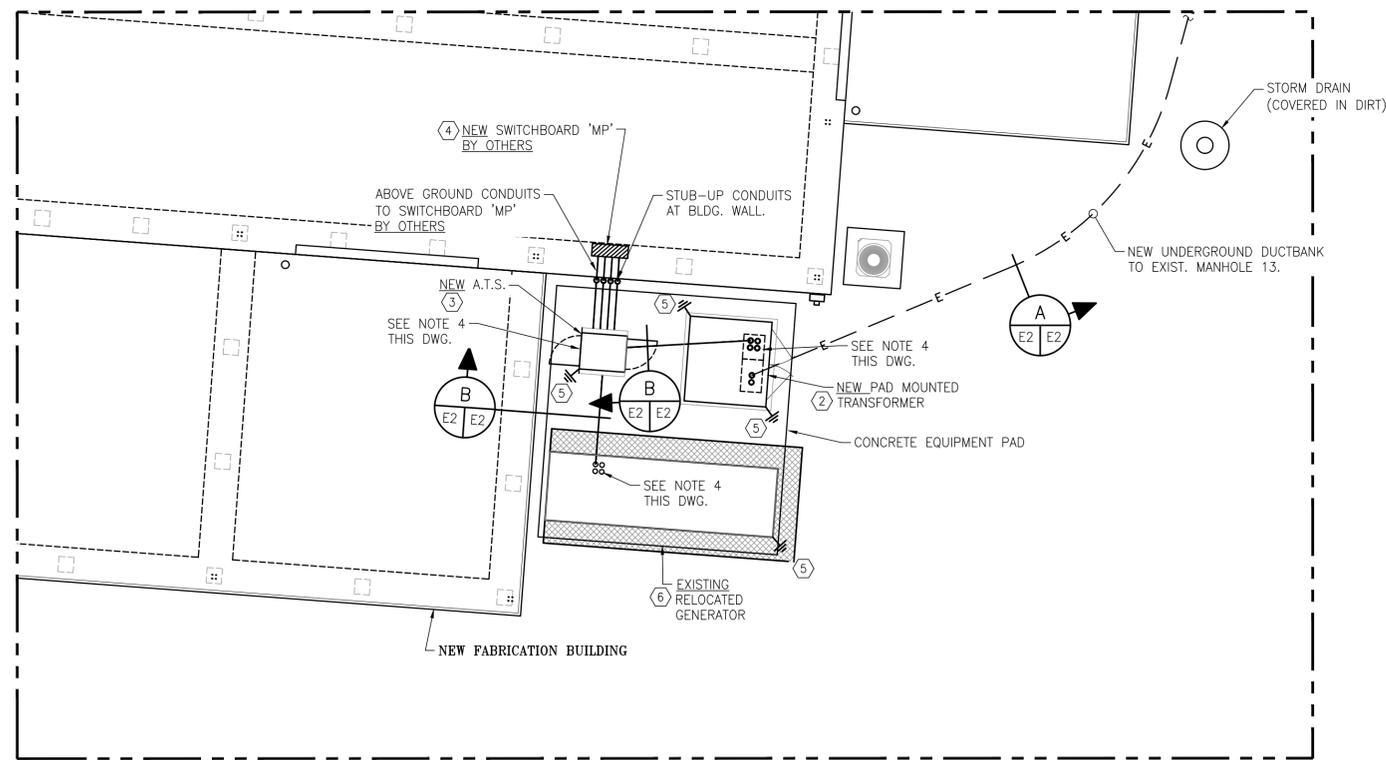
ELECTRICAL OVERALL SITE PLAN & NOTES

FOR: ALABAMA PORT AUTHORITY

PROJECT NO: 4617 DWG NO: E1 REV: C



ENLARGED POWER PLAN @ 23kV SWITCHYARD
N.T.S.



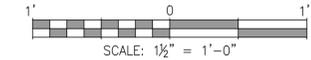
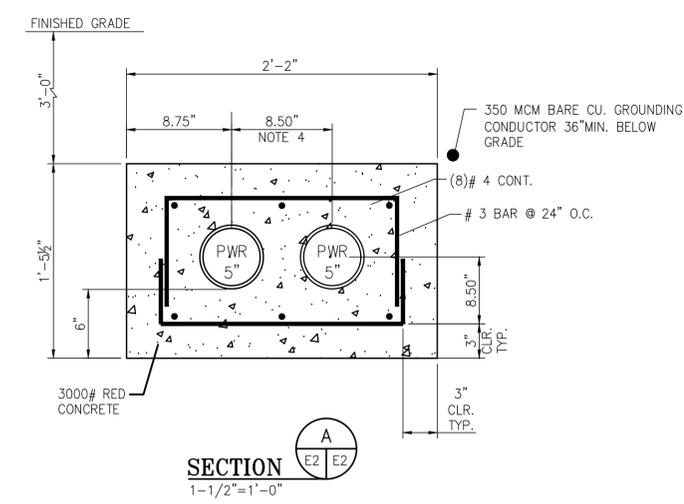
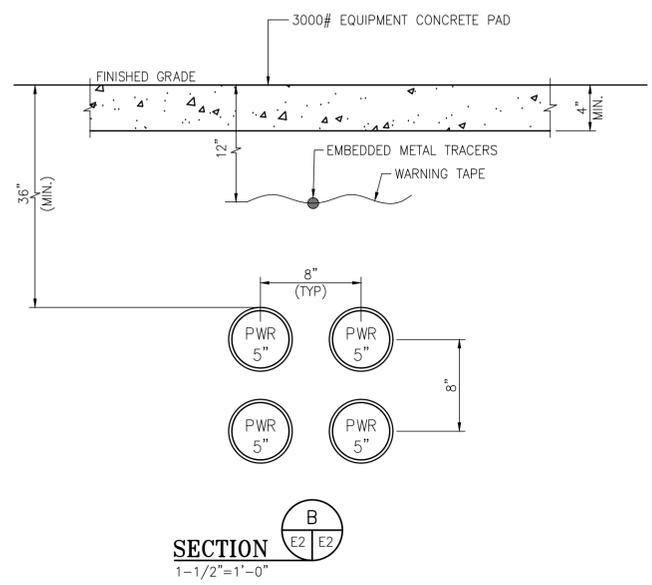
ENLARGED POWER PLAN @ FABRICATION BLDG.
N.T.S.

CONDUIT & CABLE SCHEDULE					
DUCT BANK SECTION	CONDUCTORS DESCRIPTIONS	CONDUIT SIZE	LENGTH ESTIMATE (FT)	ROUTING	REMARKS/COMMENTS
A	3-#1/0 MV105, 25KV, TYPE XLPE W/GND	5" Δ	160'	NEW FABRICATION BLDG. 1500KVA XFMR TO EXIST. MANHOLE MH-13. SPLICE TO EXISTING CONDUCTORS FROM MAIN 25KV SWITCHGEAR EXISTING L.I.S. SWITCH	EXISTING CABLES ARE ROUTED THRU EXIST. MANHOLES 1, 2, 10, 11, 12 & 13
B	SEE DWG. 4617 E-300 FOR CONDUCTOR DETAILS	5"	50'	TRANSFORMER TO A.T.S. SWITCH	NEW CABLES ROUTED IN NEW DUCT BANK
B	SEE DWG. 4617 E-300 FOR CONDUCTOR DETAILS	5"	60'	EMERGENCY GENERATOR TO A.T.S. SWITCH	NEW CABLES ROUTED IN NEW DUCT BANK
	SEE DWG. 4617 E-300 FOR CONDUCTOR DETAILS	4"	50'	A.T.S. SWITCH TO SWITCHBOARD 'MP'	CONDUIT AND CABLES BY OTHERS

MAJOR ELECTRICAL EQUIPMENT LIST		
MARK	QTY	DESCRIPTION
①	01	EXISTING 23KV FUSED LOAD INTERRUPTER SWITCH (L.I.S.) (REPLACE EXISTING FUSES WITH NEW FUSES.)
②	01	PAD MOUNTED COMPARTMENTAL TRANSFORMER, 1500KVA, 22.9kV-480/277V, 3Ø4W, EATON'S COOPER POWER SERIES OR APPROVED EQUAL.
③	01	AUTOMATIC TRANSFER SWITCH (A.T.S.), 1600A, ASCO SERIES 300 OR APPROVED EQUAL
④	01	SWITCHBOARD 'MP' 1600A, 3Ø4W, 480/277V (SUPPLIED AND INSTALLED BY OTHERS)
⑤	A/R	COPPER GROUND ROD, 3/4" X 10 FT. LONG. MINIMUM 2/0 CU GREEN INSULATED GROUND REQUIRED UNLESS NOTED OTHERWISE ON THIS DRAWING. SEE NOTE 3 THIS DWG.
⑥	01	EXISTING GENERATOR - RELOCATE FROM EXISTING LOCATION AT McDUFFIE TERMINAL

NOTES

- SEE DWG. 4617-G2 FOR THE ELECTRICAL DRAWING INDEX. SEE DWG. 4617-E1 FOR ELECTRICAL GENERAL SCOPE OF WORK, GENERAL GROUNDING NOTES, GENERAL NOTES, LEGENDS AND ABBREVIATIONS.
- DUCT BANK SHALL BE ENCASED IN RED DYE CONCRETE WITH AT LEAST THREE INCHES OF CONCRETE AT THE TOP AND BOTTOM AND THREE INCHES OF CONCRETE ON EACH SIDE. A HORIZONTAL AND VERTICAL SEPARATION BETWEEN DUCTS OF 3" INCHES SHALL BE MAINTAINED BY INSTALLING SPACERS WITH HORIZONTAL AND VERTICAL LOCKING ON INTERVALS OF 8 TO 10 FEET.
- ALL EQUIPMENT GROUNDS TO BE BONDED TO THE EXISTING SWITCHYARD GROUNDING GRID. CONTRACTOR TO REFERENCE THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE ARTICLE 250 FOR SWITCHGEAR, TRANSFORMER AND GENERATOR GROUNDING REQUIREMENTS AND GUIDELINES. CONTRACTOR TO REFERENCE NFPA-780 FOR LIGHTNING PROTECTION REQUIREMENTS AND GUIDELINES.
- CONDUIT STUB-UP LOCATIONS: REFERENCE CIVIL/STRUCTURAL DRAWINGS AND ELECTRICAL EQUIPMENT SHOP DRAWINGS FOR CONDUIT STUB-UP LOCATIONS BEFORE THE INSTALLATION OF UNDERGROUND DUCT BANKS AND CONDUITS.
- EXISTING 23KV LOAD INTERRUPTER SWITCH (L.I.S.) AND FEEDER CABLE FOR THE EXISTING WAREHOUSE BLDG TO BE REUSED FOR THE NEW FABRICATION BLDG. POWER. SEE DRAWING 4617-E1 SCOPE OF WORK NOTE 4 FOR ELECTRICAL SCOPE OF WORK.



McDUFFIE TERMINAL IMPROVEMENTS
NEW FABRICATION BUILDING PACKAGE
ELECTRICAL SERVICE PLAN & DETAILS

NO.	REVISION	DATE	DRAWN	CK'D	APPD	DATE
C	FEEDER REPLACEMENT OPTION CLARIFICATIONS; MODIFIED NOTE Δ	03-06-26	WMB	JEJ	RSG	
B	ISSUED FOR BID	01-14-26	WMB	JEJ	RSG	
A	100% DESIGN REVIEW	09-09-25	WMB	JEJ	RSG	
	REFERENCE DRAWINGS					

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FOR: ALABAMA PORT AUTHORITY
PROJECT NO: 4617 DWG NO: E2 REV: C

**11411- Task 3 - McDuffie Terminal Improvements – New Assembly and
Shop Buildings
Contractor Questions**

1. Will you please provide the entire geotechnical report? I see the borings listed on the drawings and it referenced in Appendix A, but I don't see the full report.
 - a. Boring information is provided in the plans, the spec will be revised to remove reference to the geotechnical report as it is not provided.

2. Will a test pile program be required?
 - a. No test pile program.

3. If so will we need to do a PDA or a Static load test?
 - a. No.

4. Will there be any delays between the new fab shop building and the new assembly building or can we move from one to the next?
 - a. There are no delays between the buildings, both sites will be available at the same time.

5. What is the anticipated start date for this project?
 - a. The anticipated start date is early May.