



Alabama Port Authority



Project Name Choctaw Point Container Terminal – Phase V Dock Extension

Location Mobile, Alabama

Project # 11411

Task # 6

March 31, 2026

Addendum 5
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ADDENDUM NO. 5

Item	Description
DIVISION I – BID DOCUMENTS	
1	Schedule of Prices – Pages I-5 thru I-9 should be replaced with the attached revised pages which include the Schedule of Prices
DIVISION II – CONTRACT DOCUMENTS	
No additions	
DIVISION III – SPECIAL PROVISIONS	
No additions	
DIVISION IV – GENERAL PROVISIONS	
No additions	
DIVISION V – CONSTRUCTION SPECIFICATIONS	
NOTES	
2	TekMarine is an approved supplier for mooring bollards and fendering.
3	Contractor Questions (attached)
4	Drawing S17 – Referenced in Question 23 of Contractor Questions (attached)
5	Drawing E-30 – Electrical Details – For Reference Only (attached)
6	Drawing D6 – Existing Site Plan Rev. G (attached)
7	Drawing D7 – Existing Site Plan – Aerial Overlay – Rev. G (attached)
8	Drawing D13 – Enlarged Plan – Conveyor “C” - Rev.F (attached)
9	Drawing D14 – Enlarged Plan – Barge Loadout – Rev. F (attached)
10	Drawing D15 – Conveyor “C” & Barge Loadout – Rev. F (attached)



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Item	Description
11	Drawing E2 – Overall Site Plan – Rev. F (attached)
12	Drawing E3– 22.9kV South Main Substation Layout Plan - Rev. B (attached)
13	Drawing E8 – STS Cranes Subs C3 & C4 One Line Diagram – Rev. E (attached)



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Bidder accepts the provisions of the Contract Documents as to liquidated damages in the event of failure to complete the work on time.

The Bidder further agrees that, in case of failure on his part to execute the Contract and required bonds within ten (10) calendar days from the date written notice of award if mailed or otherwise delivered to the Bidder, the certified check or bid bond accompanying this bid and the monies payable thereon shall be paid into the funds of the Owner not as penalty, but as a liquidation of a reasonable portion of the damages incurred by the Owner due to the Bidder’s failure to execute the Contract. **Items not specifically noted in the schedule of prices shall be considered ancillary to the project and be absorbed in the bid items.**

~~REVISED 3/4/26 – ADDENDUM 1~~

REVISED 3/31/26 – ADDENDUM 5

SCHEDULE OF PRICES

ITEM	DESCRIPTION	APPROX. QUANTITY (IN PLACE)	UNIT PRICE	AMOUNT
1	Project Bonds & Insurance	Lump Sum	L.S.	
2	Mobilization	Lump Sum	L.S.	
I. DEMOLITION				
3	Removal of Barge Loader and Associated Conveyor C	Lump Sum	L.S.	
4	Removal of Required Bank RipRap and other obstructions	Lump Sum	L.S.	
5	Removal of AZ14 Sheetpile Wall	Lump Sum	L.S.	
6	Removal of Yard 4 Water Cannons Sluice Channels and Sump Pit	Lump Sum	L.S.	
7	Removal of McDuffie Designated Building Structures	Lump Sum	L.S.	
8	Removal of Substation Building	Lump Sum	L.S.	
9	Removal of Landside Conveyors, Stacker, Portable Hoppers and Foundations/Track System	Lump Sum	L.S.	



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ITEM	DESCRIPTION	APPROX. QUANTITY (IN PLACE)	UNIT PRICE	AMOUNT
I. SUBTOTAL DEMOLITION				
II. DOCK CONSTRUCTION				
10	Removal/Demolition Work	Lump Sum		
11	Furnish Combination Wall	2602 Tons	/Ton	
11a	Installation of Combination Wall	1235 L.F.	/Ft.	
12	Furnish and Install One (1) - 30" Square Probe Pile	135 L.F.	/Ft.	
12a	Static Pile Load Test (30" square)	1 Test	/Test	
12b	Furnish Concrete Bearing Piles (30" Square)	17621 L.F.	/Ft.	
12c	Install Concrete Bearing Piles (30" square)	17621 L.F.	/Ft.	
13	Furnish and Install Seven (7) - 24" Square Probe Piles	889 L.F.	/Ft.	
13a	Static Pile Load Test (24" square)	1 Test	/Test	
13b	Furnish Concrete Bearing Piles (24" Square)	52704 L.F.	/Ft.	
13c	Install Concrete Bearing Piles (24" square)	52704 L.F.	/Ft.	
14	Furnish Concrete Batter Piles 6:12 (24" Square)	25594 L.F.	/Ft.	
14a	Install Concrete Batter Piles 6:12 (24" square)	25594 L.F.	/Ft.	
15	Furnish Concrete Batter Piles 5:12 (24" square)	2208 L.F.	/Ft.	
15a	Install Concrete Batter Piles 5:12 (24" square)	2208 L.F.	/Ft.	
16	Concrete Work			
16a	Landside Crane Rail Beam and Pile Cap	4812 C.Y.	/CY	
16b	Waterside Crane Rail Beam	1077 C.Y.	/CY	



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ITEM	DESCRIPTION	APPROX. QUANTITY (IN PLACE)	UNIT PRICE	AMOUNT
16c	Transverse Beams	3976 C.Y.	/CY	
16d	Deck	6421 C.Y.	/CY	
16e	Deck WS of WS Rail & Fender Haunch	2858 C.Y.	/CY	
16f	Furnish Closure Wall 2	80 Tons	/Ton	
16g	Install Closure Wall 2	45 L.F.	/Ft.	
16h	Southern Closure Wall Cap	20 C.Y.	/CY	
16i	Furnish Closure Wall 3	230 Tons	/Ton	
16j	Install Closure Wall 3	125 L.F.	/Ft.	
16k	Area Paving North Dock Tie In	295 C.Y.	/CY	
17	Crane Rail System	2600 L.F.	/Ft.	
18	Fender System	32 Systems	/System	
19	Bollards (90 Ton)	16 Bollards	/Bollard	
20	Bollards (225 Ton)	5 Bollards	/Bollard	
21	Timber Curb	1300 L.F.	/Ft.	
22	Water System	Lump Sum		
23	Cable Protection System	Lump Sum		
24	Pavement Markings	Lump Sum		
25	Drain Line Penetrations and Pipes (3) 42" Drain Pipe as noted on Drawings	Lump Sum		
II. SUBTOTAL DOCK CONSTRUCTION				
III. BACKLAND TRANSIT AREA				
26	EARTHWORK			
26a	Excavation	10000 C.Y.	/CY	
26b	Fill	7500 C.Y.	/CY	
27	Crushed Aggregate Base	3012 C.Y.	/CY	
28	Concrete Paving	5245 C.Y.	/CY	
29	Fencing	1690 LF	/LF	
30	Yard 4 Revised Drainage			
30a	Coal Removal	30000 C.Y.	CY	
30b	Select Fill	37000 C.Y.	CY	
30c	Grading	Lump Sum		



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ITEM	DESCRIPTION	APPROX. QUANTITY (IN PLACE)	UNIT PRICE	AMOUNT
30d	Equipment Removal	Lump Sum		
30e	Pipe Plugging	Lump Sum		
30f	Large Drainage Box	1 EA	EA	
30g	42" Drainage Pipe	60 LF	LF	
30h	42" Drain Line Penetration	Lump Sum		
30i	Dock 3 Inlet and Drain Line Extension	Lump Sum		
III. SUBTOTAL BACKLAND TRANSIT AREA				
IV. ELECTRICAL DISTRIBUTION BASE				
31	Main Switchgear			
31a	30MVA, 22.9kVA Main Switchgear	2 EA	EA	
31b	Crane Substation C3	1 EA	EA	
31c	Crane Substation C4	1 EA	EA	
31d	Main Switchgear Concrete Foundations	260 208 CY	CY	
31e	Main Switchgear Fencing	360 LF	LF	
32	Trayer Switch Area			
32a	13.2kV Trayer Switches and pull boxes	2 EA	EA	
32b	Concrete Foundations	65 31 CY	CY	
32c	Fencing with Gates	280 LF	LF	
32d	Permanent Ductbank (Main Switchgear to Trayer Switch Area)	1800 LF	LF	
32e	Temporary Ductbank (Trayer Switch Area to Main Switchgear)	1200 LF	LF	
32f	Electrical Conductors and Grounding	Lump Sum		
32g	Temporary Perimeter Lighting Conduit	1200 LF	LF	
32h	Electrical Manholes	9 EA	EA	
32i	Communication Manholes	6 EA	EA	
32j	Crane Manholes	4 EA	EA	
32k	Crane Ductbanks	1700 LF	LF	
32l	300 KVA, 13.2 KV-480/277V Transformer	1 EA	EA	



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ITEM	DESCRIPTION	APPROX. QUANTITY (IN PLACE)	UNIT PRICE	AMOUNT
32m	15 KV-100A Fused Safety Disconnect with 20 amp fuses	1 EA	EA	
32n	Distribution Panel w/ Main Breaker	1 EA	EA	
32o	Temporary Lightpoles	7 EA	EA	
IV. SUBTOTAL ELECTRICAL DISTRIBUTION - BASE				
33	All Remaining Items Necessary for a complete job installation	Lump Sum		
34	Demobilization	Lump Sum		
TOTAL BASE ESTIMATED COST				

- Quantities listed in the Schedule of Prices are approximate quantities intended to give the Contractor an order of magnitude of the work involved. The Contractor shall be responsible for determining the actual quantities required and accounting for them in the Bid Prices and notifying the Engineer of any discrepancies.

Unit Prices for Additional Items if Required:

	<u>Without Driving</u>	<u>With Driving</u>
A) 24" Concrete Pile Buildups	\$____/Ft.	\$____/Ft.
B) 30" Concrete Pile Buildups	\$____/Ft.	\$____/Ft.

I, the undersigned bidder, hereby acknowledge receipt of the following addenda:

ADDENDUM NO. _____ ADDENDUM NO.

ADDENDUM NO. _____ ADDENDUM NO.

ADDENDUM NO. _____ ADDENDUM NO.

Contractor's Signature:		
Contractor Company _____		
_____	_____	_____
Name	Title	Date

**11411- Task 6 – Choctaw Point Container Terminal – Phase V Dock
Extension
Contractor Questions
Addendum No. 5**

1. SECTION 316217 – HIGH STRAIN DYNAMIC TESTING OF PILE FOUNDATIONS. Can the Master Level PDA tester requirement be waived for the dynamic pile monitoring and data collection and the Master Level PDA tester requirement be limited to the data interpretation?
 - The minimum proficiency level can be a rank of Intermediate for PDA testing.
2. DWG E13 note 13 calls out Underground Devices INC part numbers. As per Underground Devices INC this part number do not match any of their part numbers. Please provide correct part numbers to provide pricing.
 - The numbers are not part numbers. They are catalog numbers of information sheets that provide guideline information when selecting and installing the cable racks. The informational sheets will provide Cable Rack Mounting Hardware choices, Cable Rack Load Carrying Capacities, Cable Rack Load vs Deflection Data, Cable Rack Guide Specifications, Cable Rack Tech Data & Installation Instructions. Contractor to determine part numbers based on cable installation, number of conductors, weight of conductors, etc.
3. SECTION 111313 – FENDER SYSTEM 2.1.3- Vessel Parameters - Berthing Velocity- 4ft/sec. This velocity (4ft/sec) seems very high? Please confirm if this is an error and could possibly be 0.4ft/sec?
 - Velocity is 0.4 ft/sec.
4. Fender unit orientation: As per PIANC 2024, 6.4.16, the standard orientation of cone fenders is for the wider footprint to be connected to the supporting structure and the narrower footprint to be connected to the back of the fender panel. Inverting a fender can result in a different distribution of stresses, with potential additional stresses induced in certain parts of the fender. These additional stresses could lead to a reduced life cycle and premature failure of the fender system and should therefore be avoided.

We therefore strongly recommend installing the fender units as per PIANC requirements. To do so, the concrete deck would need to be extended downwards for about 1-2ft in the fender positions.

 - Bid per the drawings and specifications.
5. As per PIANC: “TGA testing serves for determination of quantities in the compound only” The quantities in the compound have nothing to do with the performance and quality of the fender. The composition was published by a certain manufacturer to create a sole source, without telling designers and owner what the composition really means.

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The composition is geared towards the manufacturing in China and would favor low-cost Chinese suppliers. Therefore, we and PIANC recommend focusing on the physical properties only, as the only indication of performance and quality. Consequently, the compound requirements in item 3.5 should be removed. Otherwise, an imposed rubber composition that might impact the performance of other manufacturers fenders will put the liability for the fender performance on the designer and owner.

Please advise on the above scenario and recommendation:

- Bid per the drawings and specifications.
6. For the 22.9kV south main substation are there two (2) or three (3) 12' gates? Drawing 4617-E3 shows three and drawing 4617-E5 shows two. Please clarify.
- Two (2) 12' gates are required.
7. Drawing 4617-BG7: Are the 3 EA 42"Ø RFP class V pipe culverts (each 148'L) shown at outfall No. 1 to be installed at 148'L per run or are they to be stubbed out/plugged from the combi-wall stem as shown on drawing 4617-S51?
- Each of the three pipes are to be run 40' west of the 100' wide concrete paving and plugged for future drainage tie-in.
8. Spec section 334200 paragraph 15.0: Are only new drainage system pipes & structures installed by the Contractor to be video inspected & cleaned? Please clarify which drainage systems are to be video inspected & cleaned.
- Section 15 specifying internal video inspection will not be required. This section will be removed from the specification.
9. Does the slope in front of the combi-wall underneath the dock get graded at a particular grade and at what elevation should it be graded to on the river side the combi-wall?
- No particular grade is required and the elevation is that required for installation of combi-wall.
10. On drawings 4617-C14 to C21, in areas where the existing grade is higher than the new concrete paving west of the dock, how far back should the 5H:1V slope be carried out or is the area behind the dock in the coal removal area to be graded to a certain elevation?
- The existing grade is to be cut and graded to the finished grades shown on drawing BG5.

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Contractor Questions
Addendum No. 5**

11. Section B/S50: Can you confirm that the timber curb anchor assembly is to be made of dissimilar materials HDG steel and 304SS? Is the plate on the 304SS threaded coupling supposed to be 304SS as the section shows or HDG steel per spec section 321600 paragraph 2.1.5?

- Installation shall be as shown on drawing S50.

12. Drawing 4617-G11 to G15: Can you confirm the color of the hatched striping on the most west side hatched area? It appears to be called out as red, yellow, and white in the same area. Can you confirm there are no direction arrows, stop bars, or double yellow pavement markings. There are details for them, but they don't appear on the pavement marking layout.

- The last 40' of the new dock is to be striped red. The red striping is to be installed from the face of dock to 60' west of the landside crane rail beam. There are no direction arrows, stop bars or double yellow pavement markings.

13. Is an epoxy bonding agent required between the horizontal construction joints between the concrete pours between new concrete and new concrete in the deck, caps, and crane rails?

- Yes.

14. Bid item 30A: Can you provide the unit weight of the coal that is to be removed since the disposal fees are based upon tonnage and not cubic yards?

- The approximate unit weight of the coal is 65 lbs/ft³ but can vary depending upon coal type and moisture content..

15. Bid item 16D: Can you provide the deck thickness that the concrete volume of 6421 CY was based on?

- The thickness is based upon a deck thickness of 1'-10" and calculated between the transverse beams. The volume of concrete calculated for the transverse beams was based upon a height of 4'-2".

16. Note 6 on drawing E1 states that we are to core drill in existing communications manholes for new fiber optic conduit and cable. What drawing shows this new route and the existing manholes we have to tie into?

**11411- Task 6 – Choctaw Point Container Terminal – Phase V Dock
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Contractor Questions
Addendum No. 5**

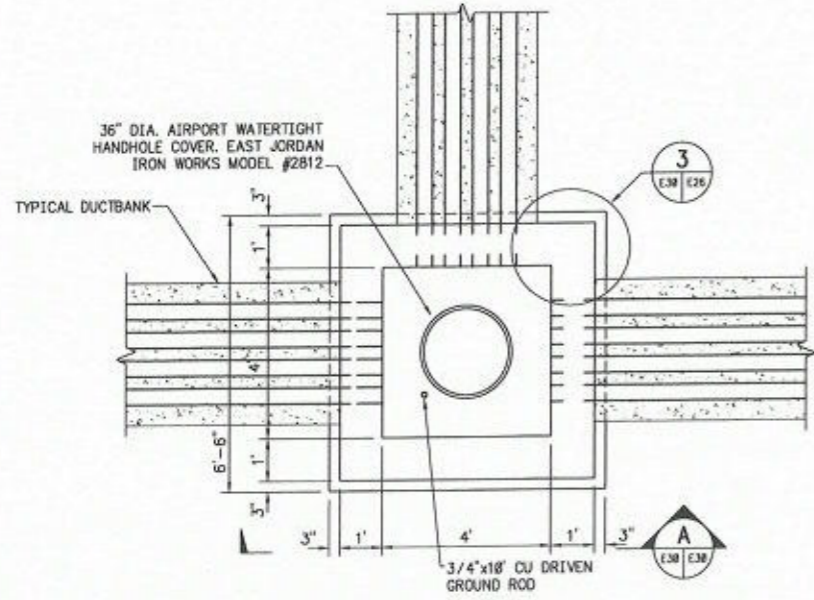
- Refer to revised electrical drawings E2 and E3 included in this addendum which indicates core drilling the existing MH-30 and installing a new underground duct bank to new CM-2.
17. Please provide G.S.E. As-Built reference drawing E-30 listed in item number 4 of the bill of materials on drawing E12.
- Reference drawing E-30 is included in this addendum.
18. For the 15kV Switch feeding the 300kVA transformer in the Temp Lighting Switch rack line-up, is a free-standing switch acceptable?
- Yes.
19. Drawing S11C. Clarify if #20 washers are required at each end for the tie rod detail.
- Bearing plates shown on the drawings are to be utilized.
20. Addendum #4 question #8 states every thermite weld will be supervised by the thermite weld kit manufacturer. Every weld being supervised by the manufacturer is a very expensive requirement. We have never seen this requirement previously, as most ports just require a few of the first welds to be supervised. Please clarify if the Port really wants EVERY weld to be supervised.
- Every thermite weld is to be supervised by a thermite weld kit manufacturer representative. Refer to question 8 in addendum 4.
21. Addendum 4 Indicates that there will be Crane Rail Expansion Joints at All Wharf Expansion Joints, except at Station 12+69 adjacent to Existing McDuffie Dock 3. Is it the intent to place a CR Expansion Joint in the Curved Rail area at EXP Joint Station 0+00?
- The intent is to install a crane rail expansion in the straight portion of crane rail north of Station 0+00 beyond the point of tangency (P.O.T.) and the tie-in to the existing crane rail.
22. What are the design capacities for the 24" and 30" prestressed concrete pile?
- Design capacities are shown on drawings S8 and S9.

**11411- Task 6 – Choctaw Point Container Terminal – Phase V Dock
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Contractor Questions
Addendum No. 5**

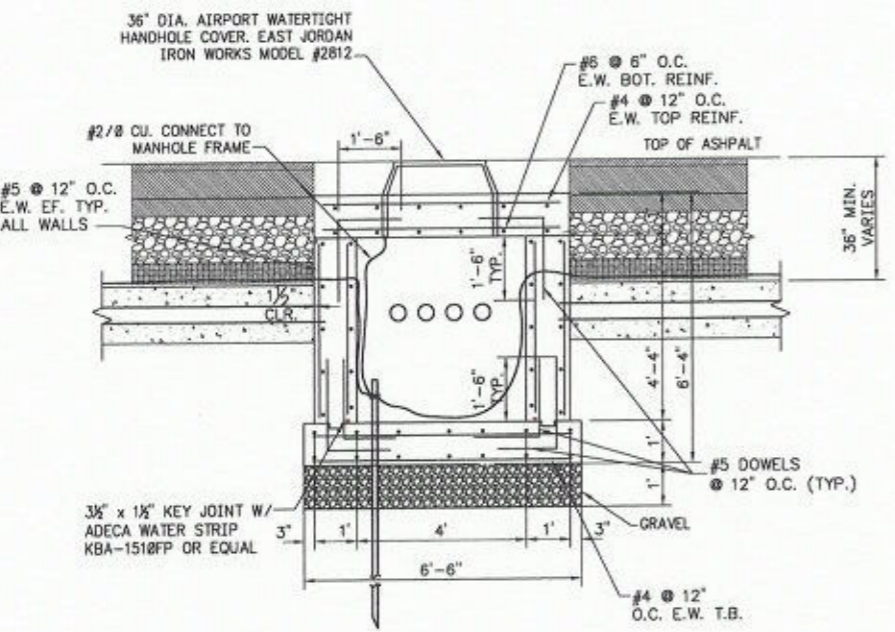
28. What is included bid item 32B "Concrete Foundations"?
- The crane switch foundation shown on drawing E22.
29. On drawings 4617-E5 & E6, is 1' depth of #57 stone to be placed under the electrical equipment pads in addition to the entire fenced area and which bid item does the #57 stone get paid under?
- The crushed stone is not required under the electrical equipment pads. The #57 stone can be paid under item 33.
30. On drawing 4617-S54, under what bid item is the #57 crushed limestone 6" thick to be paid under?
- The #57 stone is to be paid under item 16k – Area paving North Dock Tie In.
31. Drawing 4617-BG7: Are the 3 EA 42"Ø RFP class V pipe culverts to be plugged with steel plate or brick/mortar?
- No specific type of plug is required but the plug is to seal the opening and to be easily removed for the future tie-in.
32. Do the 42" RC pipes, drainage manhole, and electrical/crane manholes get backfilled with in situ material or are they to be backfilled with a specific pipe bedding material.
- Refer to specification section 312000 – Earthwork for requirements.
33. Which specific Administrative Rule is the Contractor to follow on www.revenue.alabama.gov? Where on the Alabama Department of Revenue's website are these directions Contractor must follow?
- See form ST:EXC-01 for instructions on preparing the Sales and Use Tax Certificate of Exemption form.
34. What are the specific materials the Owner intends for the Contractor to purchase and utilize the sales tax exemption?
- APA will authorize the Contractor to utilize its sales tax exemption status. The Contractor is responsible for procuring and furnishing materials utilizing the sales tax exemption status.
35. The specifications list liquidated damages at .033% of the contract value per day. At this rate, daily LDs would result in the tens of thousands. Can you please confirm this rate is intentional?
- Liquidated damages are per the specifications.
36. Does the Port maintain a list of approved disposal facilities for coal impacted material? If not, please provide clarification on any applicable local ordinances or regulatory requirements that would restrict disposal to within county limits.
- The unused coal is approved for disposal at the Axis Industrial Landfill, see Addendum 3.
37. Note 3 on plansheet BG5 calls for 2" of topsoil, mulching and seeding. Please confirm this is required in all non-structural areas shown in the plans.
- The area is the limits of coal removal identified on drawing BG5 not including the 100 foot concrete area behind the new dock.

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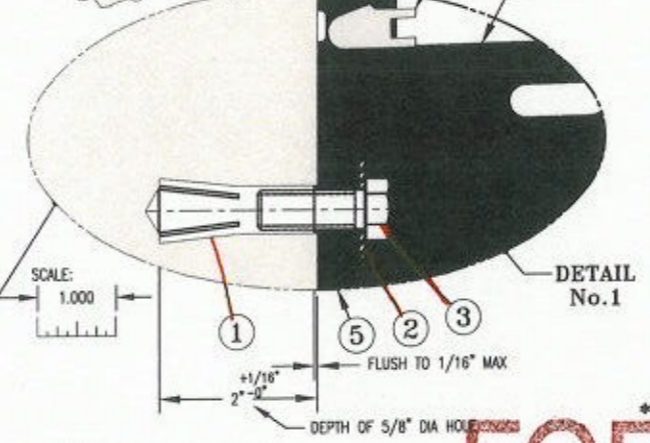
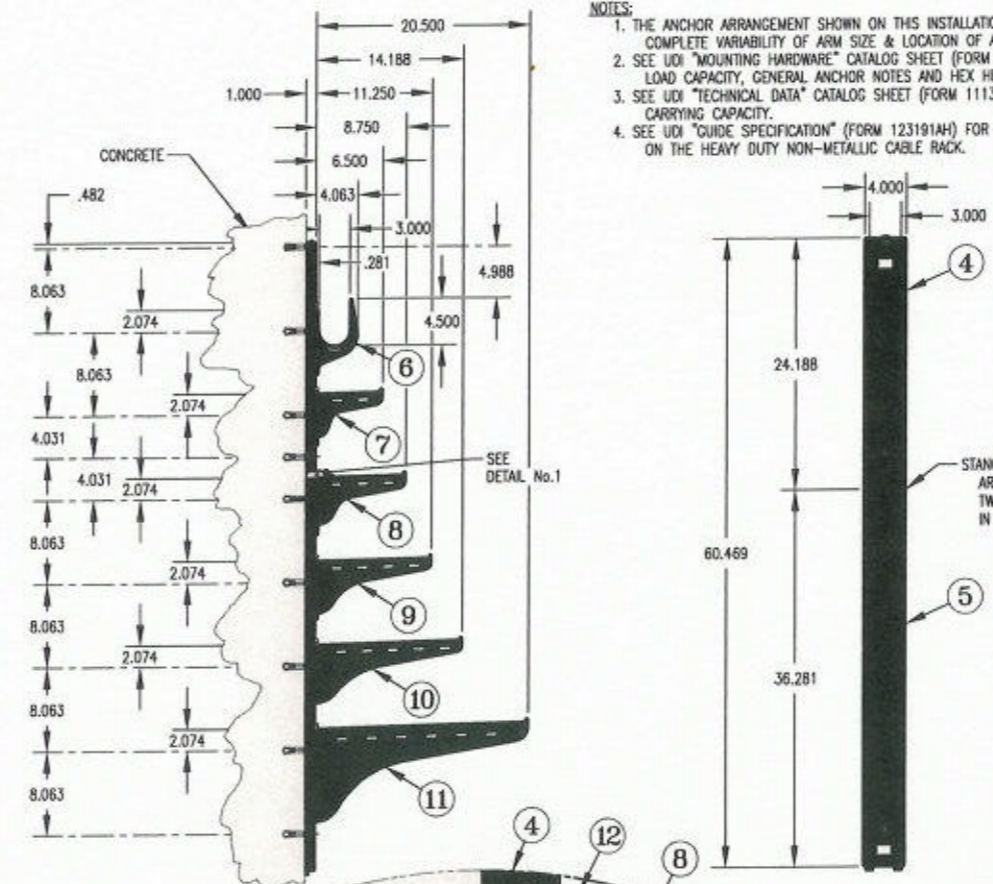
38. Specifications are silent about mass concrete requirements. Please confirm if there are any mass concrete requirements.
- No mass concrete requirements.
39. Please provide the budget amount for this project.
- The owner is not disclosing the budget amount.



1 TYPICAL COMMUNICATIONS HANDHOLE
SCALE: 1/2" = 1'-0"



A SECTION TYPICAL COMMUNICATIONS HANDHOLE
SCALE: 1/2" = 1'-0"



2 SECTION TYPICAL COMMUNICATIONS HANDHOLE
SCALE: 1/2" = 1'-0"

PROVIDE CABLE RACKS IN ALL MANHOLES. MANHOLES MH-01 & MH24 SHALL HAVE CABLE RACKS ON ALL FOUR WALLS, THE REMAINING ELECTRICAL AND COMMUNICATIONS MANHOLES SHALL HAVE CABLE RACKS ON THE TWO WALLS OPPOSITE THE CONDUIT ENTRY. NUMBER OF SUPPORTS AS REQUIRED BY AMOUNT OF CABLES.

- NOTES:**
1. THE ANCHOR ARRANGEMENT SHOWN ON THIS INSTALLATION DRAWING ALLOWS FOR COMPLETE VARIABILITY OF ARM SIZE & LOCATION OF ARM ON STANCHION.
 2. SEE UDI "MOUNTING HARDWARE" CATALOG SHEET (FORM 120292AC) FOR ANCHOR LOAD CAPACITY, GENERAL ANCHOR NOTES AND HEX HEAD CAP SCREW NOTES.
 3. SEE UDI "TECHNICAL DATA" CATALOG SHEET (FORM 111391AD) FOR LOAD CARRYING CAPACITY.
 4. SEE UDI "GUIDE SPECIFICATION" (FORM 123191AH) FOR GENERAL SPECIFICATIONS ON THE HEAVY DUTY NON-METALLIC CABLE RACK.

BILL OF MATERIAL			
ITEM NUMBER	CATALOG NUMBER	DESCRIPTION	QUANTITY REQUIRED
1	FSRM-12	1/2"-13 DROP-IN ANCHOR Material: 303 STAINLESS STEEL	9
2	FFW316-18-40	FLAT WASHER ID=562, OD=1.250, THK=.078 Material: 316 STAINLESS STEEL	9
3	FHC316-16-044	1/2"-13 X 1-3/8" LG. HEX HEAD CAP SCREW Material: 316 STAINLESS STEEL	9
4	CR24-B	CR24-B STANCHION Material: 50% Glass Reinforced Nylon	1
5	CR36-B	CR36-B STANCHION Material: 50% Glass Reinforced Nylon	1
6	3HDS	3HDS SADDLE Material: 50% Glass Reinforced Nylon	1
7	RA06	RA06 ARM (6" LONG) Material: 50% Glass Reinforced Nylon	1
8	RA08	RA08 ARM (8" LONG) Material: 50% Glass Reinforced Nylon	1
9	RA11	RA11 ARM (11" LONG) Material: 50% Glass Reinforced Nylon	1
10	RA14	RA14 ARM (14" LONG) Material: 50% Glass Reinforced Nylon	1
11	RA20	RA20 ARM (20" LONG) Material: 50% Glass Reinforced Nylon	1
12	HDL	HDL LOCK (OPTIONAL) Material: Polycarbonate	1 PER ARM
NOT SHOWN	FRT-112	SETTING TOOL (Used to install Catalog No. FSRM-12 Drop-In Anchor)	AS REQ'D

- GENERAL INSTALLATION GUIDELINES**
For the highest cable rack load capacity:
1. BE SURE THE SURFACE OF THE CONCRETE WALL IS SMOOTH, FLAT AND PLUMB.
 2. INSTALL ONE FASTENER IN EVERY ELONGATED STANCHION HOLE.
 3. INSTALL EACH DROP-IN ANCHOR AS SHOWN ON THIS DRAWING AND AS DESCRIBED BELOW:
 - A. DRILL A 5/8" DIAMETER HOLE 2" DEEP.
 - B. BLOW OUT HOLE.
 - C. DRIVE ANCHOR FLUSH TO 1/16" BELOW SURFACE OF CONCRETE.
 - D. EXPAND ANCHOR WITH FRT-112 SETTING TOOL. ANCHOR IS PROPERLY SET WHEN SHOULDER OF SETTING TOOL IS FLUSH WITH THE TOP OF ANCHOR.
 4. INSTALL THE FLAT WASHER AND TIGHTEN THE CAP SCREW JUST ENOUGH TO ATTAIN A SNUG FIT. AVOID HIGH SCREW TORQUE WHICH INDUCES COMPRESSIVE STRESS.
 5. AFTER ASSEMBLING THE ARMS TO THE STANCHION, TAP THE ARM DOWN WITH A LIGHT MALLET BLOW. THE LIGHT MALLET BLOW WILL FULLY SEAT AND LOCK ARM IN PLACE.
 6. INSTALL OPTIONAL HDL LOCK BY PLACING THE LOCK ON THE ARM WITH THE LOCKING BARBS UP. PUSH THE LOCK INTO THE RECTANGULAR HOLE IN THE STANCHION. WHEN THE STOP FLANGES ON THE LOCK HIT THE STANCHION, THE LOCK WILL CLICK INTO PLACE. SEE DETAIL No.1 AT LEFT.

HEAVY DUTY NON-METALLIC CABLE RACK
Installation Details For 1 Ea. CR36-B & 1 Ea. CR24-B Stanchions
With 1 Ea. 3HDS Saddle, 1 Ea. RA06, 1 Ea. RA08, 1 Ea. RA11,
1 Ea. RA14 & 1 Ea. RA20 Arms Using Drop-In Anchors

See At Left Don McCoy Alan Armstrong Don McCoy

3-4-04 3-4-04

1st Designed For TYPICAL INSTALLATION OF CABLE RACKS

UNDERGROUND DEVICES, INC. DRAWING NUMBER: **90-3238**
NORTH BROOK, ILLINOIS 60062 PHONE: (847) 205-9900 PAGE 1 OF 1

FOR REFERENCE ONLY

NO.	DESCRIPTION	DATE	BY	NO.	DESCRIPTION	DATE	BY
1	ADDED "CURRENT CONST" BLOCK	3/18/85	RAA				
2	AS-BUILT	6/28/89	RAA				

HPA **GISE** **Mobile Container Terminal**

GLOBAL SERVICES ENGINEERING
Creating Solutions
4110 Mottet Road
Wash., DC 20016
(301) 460-4444

DESIGNED BY: C.S.
DRAWN BY: J.R.
CHECKED BY: C.S.
PROJECT ENGR: C.S.

CONTAINER TERMINAL
AT CHOCTAW POINT
PAVEMENT, UTILITIES, AND GATE STRUCTURES

ELECTRICAL DETAILS

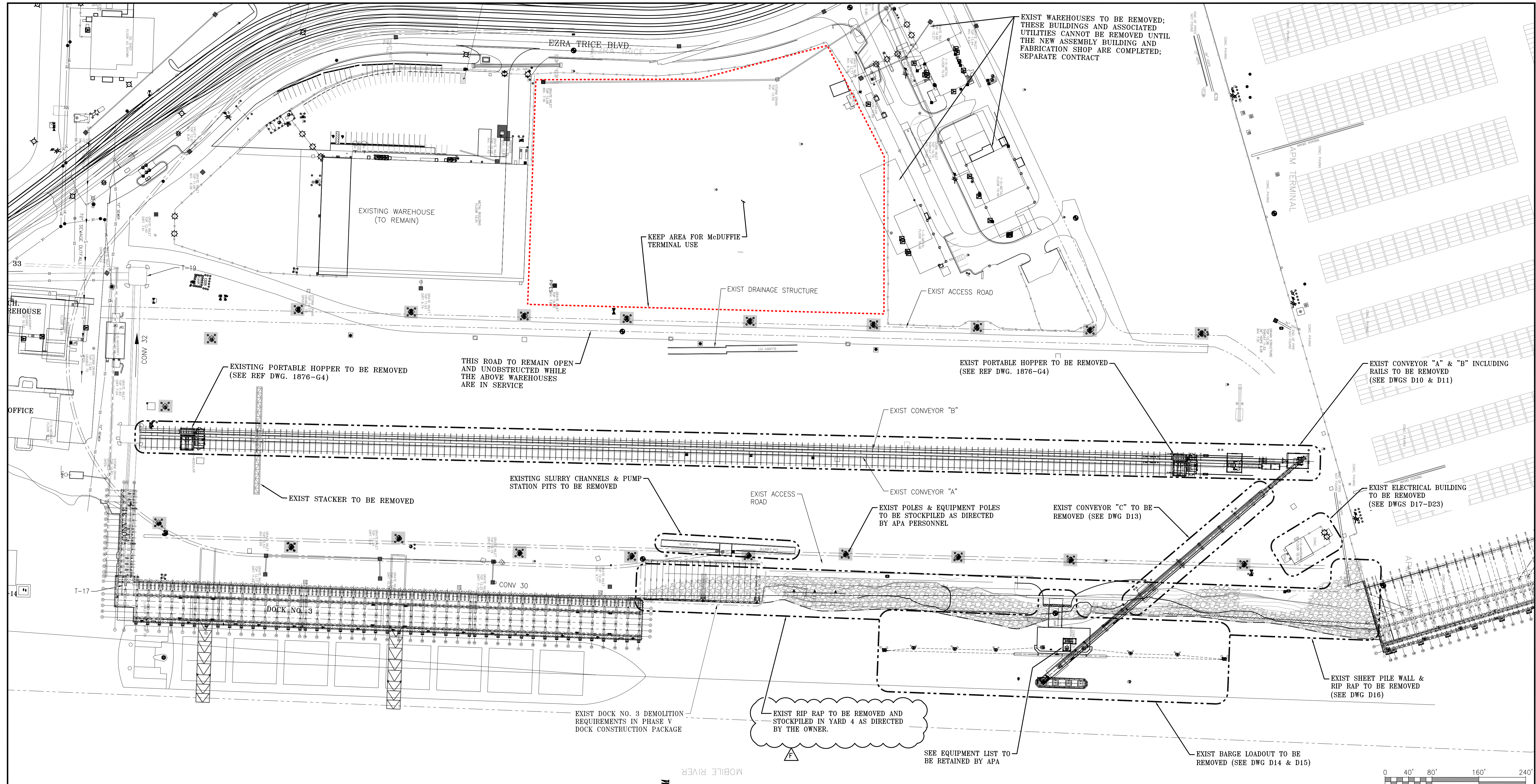
SCALE: 1/2" = 1'-0"
DATE: 10/10/07

REVISION: 2

DRAWING NO.: E-30

AS-BUILT
JUNE 20, 2009

GRAPHIC SCALES
CHECK BEFORE USE
IF SHEET IS LESS THAN 24" X 36"
IT IS A REDUCED PRINT. SCALE
ACCORDINGLY.



EXIST WAREHOUSES TO BE REMOVED; THESE BUILDINGS AND ASSOCIATED UTILITIES CANNOT BE REMOVED UNTIL THE NEW ASSEMBLY BUILDING AND FABRICATION SHOP ARE COMPLETED; SEPARATE CONTRACT

EXISTING WAREHOUSE (TO REMAIN)

KEEP AREA FOR McDUFFIE TERMINAL USE

EXIST DRAINAGE STRUCTURE

EXIST ACCESS ROAD

EXISTING PORTABLE HOPPER TO BE REMOVED (SEE REF DWG. 1876-G4)

THIS ROAD TO REMAIN OPEN AND UNOBSTRUCTED WHILE THE ABOVE WAREHOUSES ARE IN SERVICE

EXIST PORTABLE HOPPER TO BE REMOVED (SEE REF DWG. 1876-G4)

EXIST CONVEYOR "A" & "B" INCLUDING RAILS TO BE REMOVED (SEE DWGS D10 & D11)

EXIST STACKER TO BE REMOVED

EXISTING SLURRY CHANNELS & PUMP STATION PITS TO BE REMOVED

EXIST CONVEYOR "B"

EXIST ELECTRICAL BUILDING TO BE REMOVED (SEE DWGS D17-D23)

EXIST POLES & EQUIPMENT POLES TO BE STOCKPILED AS DIRECTED BY APA PERSONNEL

EXIST CONVEYOR "C" TO BE REMOVED (SEE DWG D13)

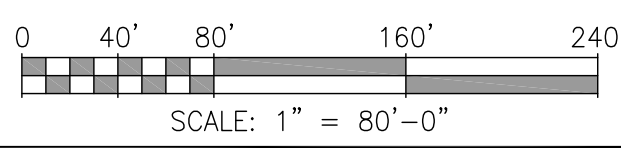
EXIST SHEET PILE WALL & RIP RAP TO BE REMOVED (SEE DWG D16)

EXIST DOCK NO. 3 DEMOLITION REQUIREMENTS IN PHASE V DOCK CONSTRUCTION PACKAGE

EXIST RIP RAP TO BE REMOVED AND STOCKPILED IN YARD 4 AS DIRECTED BY THE OWNER.

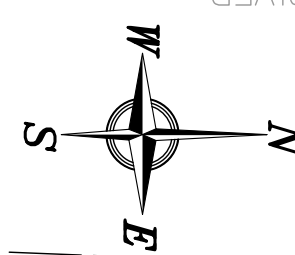
SEE EQUIPMENT LIST TO BE RETAINED BY APA

EXIST BARGE LOADOUT TO BE REMOVED (SEE DWG D14 & D15)



YARD 4 ADDITIONAL LIST TO BE REMOVED BY THE CONTRACTOR AND RETAINED BY APA (SUBJECT TO CHANGE):

- TOWER STRUCTURE WITH STAIRS AT BARGE LOADER.
- CONVEYOR C DRIVE AND TAKE-UP TOWER AND STAIRS.



EXISTING SITE PLAN
1"=80'-0"

- NOTES
- SEE DRAWING G2 FOR DEMOLITION NOTES, DRAWING INDEX, AND REFERENCE DRAWING INDEX.
 - TYPICAL DEMOLITION SECTIONS AND DETAILS AND ATTACHED REFERENCE DRAWINGS ARE FOR INFORMATION ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING ACTUAL EXISTING SITE CONDITIONS PRIOR TO SUBMITTING THEIR BID.
 - ALL EXISTING MATERIAL REMOVED DURING DEMOLITION, INCLUDING BUT NOT LIMITED TO STRUCTURAL STEEL, RAILS, CONCRETE, PILES, MOORING SYSTEMS & FENDERS, ETC., SHALL BE DISPOSED OFF SITE UNLESS NOTED OTHERWISE.

NO.	REVISION	DRAWN	CK'D	APPD	DATE
G	ADDENDUM 5 REVISED NOTE	ECW	JEJ	RSG	03-27-26
F	ADDENDUM 2 REVISED NOTE	RST	JEJ	RSG	03-11-26
E	ISSUED FOR BID	JLH	JEJ	RSG	01-14-26
D	100% DESIGN REVIEW	ECW	JEJ	JLH	09-09-25
C	95% DESIGN REVIEW	JLH	JEJ	RSG	08-08-25
B	60% DESIGN REVIEW	ECW	JEJ	RSG	06-10-25
A	30% DESIGN REVIEW	ECW	JEJ	RSG	04-11-25

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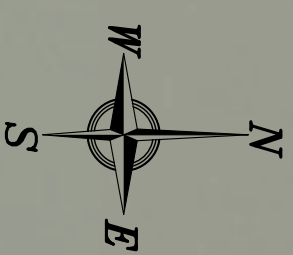
ALABAMA PORT AUTHORITY
PORT OF MOBILE

CLIENT DWG NO:

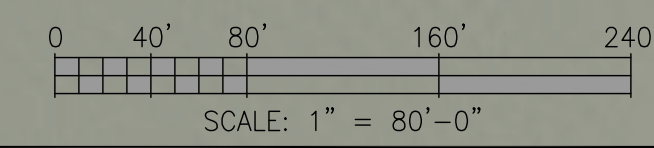
CHOCTAW POINT CONTAINER TERMINAL
PHASE V DOCK EXTENSION - DEMOLITION PACKAGE
EXISTING SITE PLAN

FOR: **ALABAMA PORT AUTHORITY**

PROJECT NO: **4617** DWG NO: **D6** REV: **G**



EXISTING SITE PLAN - AERIAL OVERLAY
1"=80'-0"



YARD 4 ADDITIONAL LIST TO BE REMOVED BY THE CONTRACTOR AND RETAINED BY APA (SUBJECT TO CHANGE):

- TOWER STRUCTURE WITH STAIRS AT BARGE LOADER.
- CONVEYOR C DRIVE AND TAKE-UP TOWER AND STAIRS.

NOTES
1. SEE DRAWING G2 FOR DEMOLITION NOTES, DRAWING INDEX, AND REFERENCE DRAWING INDEX.
2. TYPICAL DEMOLITION SECTIONS AND DETAILS AND ATTACHED REFERENCE DRAWINGS ARE FOR INFORMATION ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING ACTUAL EXISTING SITE CONDITIONS PRIOR TO SUBMITTING THEIR BID.
3. ALL EXISTING MATERIAL REMOVED DURING DEMOLITION, INCLUDING BUT NOT LIMITED TO STRUCTURAL STEEL, RAILS, CONCRETE, PILES, MOORING SYSTEMS & FENDERS, ETC., SHALL BE DISPOSED OF OFF SITE UNLESS NOTED OTHERWISE.

NO.	REVISION	DATE	APPD	CK'D	DRAWN	DATE	REVISION	NO.
G	ADDENDUM 5 REVISED NOTE	03-27-26	ECW	JEJ	RSG			
F	ADDENDUM 2 REVISED NOTE	02-11-26	RST	JEJ	RSG			
E	ISSUED FOR BID	01-14-26	JLH	JEJ	RSG			
D	100% DESIGN REVIEW	09-09-25	ECW	JEJ	RSG			
C	95% DESIGN REVIEW	08-08-25	JLH	JEJ	RSG			
B	60% DESIGN REVIEW	06-10-25	ECW	JEJ	RSG			
A	30% DESIGN REVIEW	04-11-25	ECW	JEJ	RSG			

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ALABAMA PORT AUTHORITY
PORT OF MOBILE

CLIENT DWG NO:

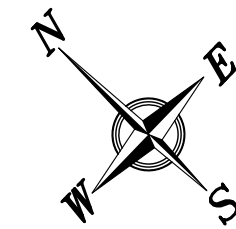
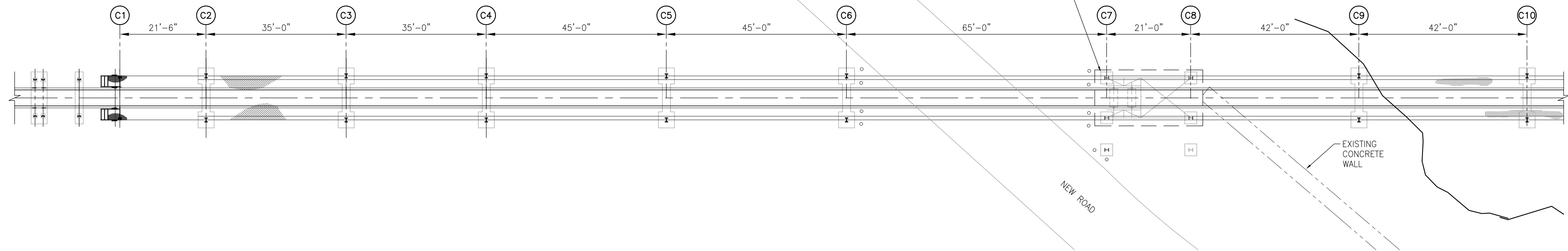
CHOCTAW POINT CONTAINER TERMINAL
PHASE V DOCK EXTENSION - DEMOLITION PACKAGE
EXISTING SITE PLAN - AERIAL OVERLAY

FOR: **ALABAMA PORT AUTHORITY**

PROJECT NO: **4617** DWG NO: **D7** REV: **G**

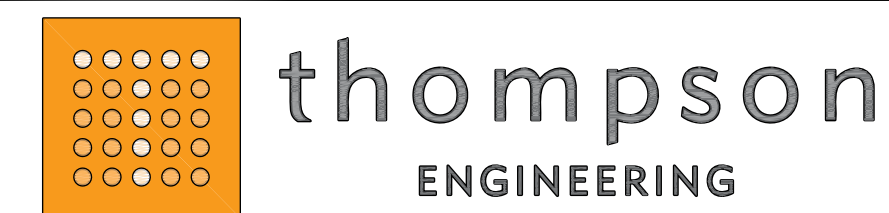
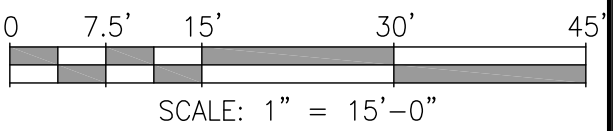


EXISTING CONVEYOR "C" DRIVE & TAKE-UP STRUCTURE TO BE REMOVED BY THE CONTRACTOR AND RETAINED BY APA (SEE REF DWG. 1723-S11)



ENLARGED PLAN - CONVEYOR "C"
1"=15'-0"

NOTE: ALL LAND BASED PILES SHALL BE CUT OFF SIX (6) FEET BELOW EXISTING GRADE. EXCEPT FOR BENTS C7, C8, & C9 WHICH SHALL BE PULLED IN THEIR ENTIRETY.



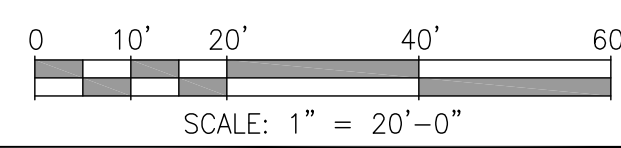
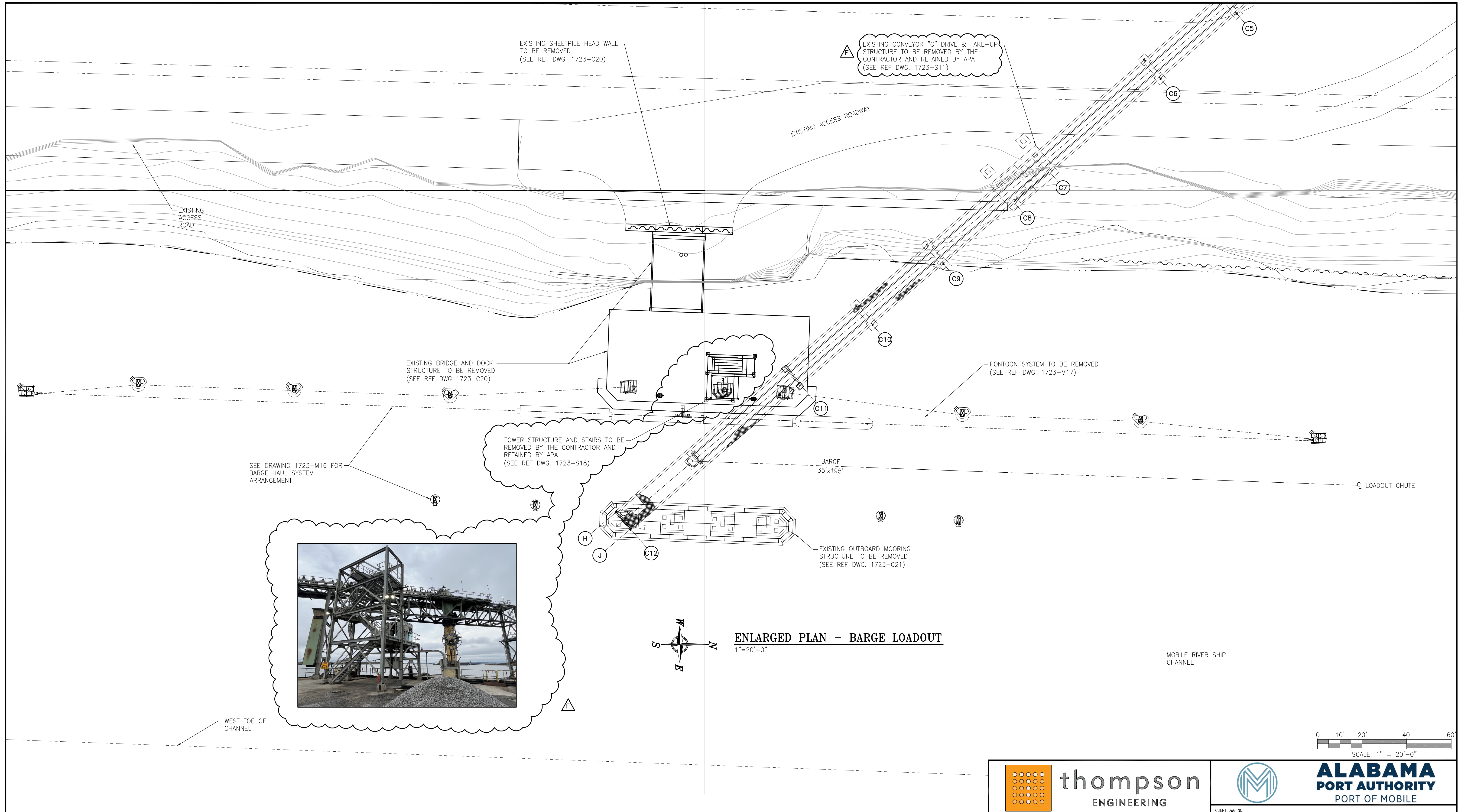
- NOTES
- SEE DRAWING G2 FOR DEMOLITION NOTES, DRAWING INDEX, AND REFERENCE DRAWING INDEX.
 - TYPICAL DEMOLITION SECTIONS AND DETAILS AND ATTACHED REFERENCE DRAWINGS ARE FOR INFORMATION ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING ACTUAL EXISTING SITE CONDITIONS PRIOR TO SUBMITTING THEIR BID.
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NO.	REVISION	DRAWN	CK'D	APPD	DATE
F	ADDENDUM 5 REVISED CONVEYOR "C" CALLOUT	ECW	JEJ	RSG	03-27-26
E	ISSUED FOR BID	JLH	JEJ	RSG	01-14-26
D	100% DESIGN REVIEW	ECW	JEJ	RSG	09-09-25
C	95% DESIGN REVIEW	JLH	JEJ	RSG	08-08-25
B	60% DESIGN REVIEW	ECW	JEJ	RSG	06-10-25
A	30% DESIGN REVIEW	ECW	JEJ	RSG	04-11-25

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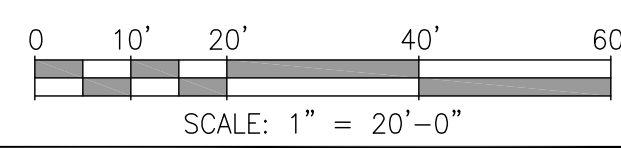
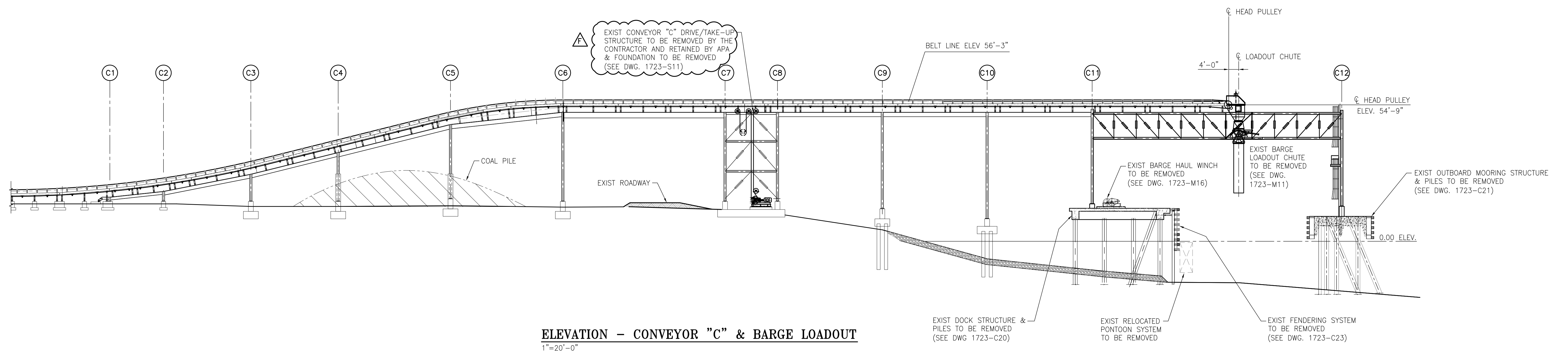
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CLIENT DWG NO:	CHOCTAW POINT CONTAINER TERMINAL PHASE V DOCK EXTENSION - DEMOLITION PACKAGE ENLARGED PLAN - CONVEYOR "C"
FOR:	ALABAMA PORT AUTHORITY
PROJECT NO:	4617
DWG NO:	D13
REV:	F



	CLIENT DWG NO: CHOCTAW POINT CONTAINER TERMINAL PHASE V DOCK EXTENSION - DEMOLITION PACKAGE ENLARGED PLAN - BARGE LOADOUT
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FOR: ALABAMA PORT AUTHORITY	
DRAWN: ECW CK'D: JEJ APPD: RSG DATE: 01-03-25 SCALE: AS NOTED	PROJECT NO: 4617 DWG NO: D14 REV: F

NOTES	NO.	REVISION	DRAWN	CK'D	APPD	DATE
1. SEE DRAWING G2 FOR DEMOLITION NOTES, DRAWING INDEX, AND REFERENCE DRAWING INDEX. 2. TYPICAL DEMOLITION SECTIONS AND DETAILS AND ATTACHED REFERENCE DRAWINGS ARE FOR INFORMATION ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING ACTUAL EXISTING SITE CONDITIONS PRIOR TO SUBMITTING THEIR BID. 3. ALL EXISTING MATERIAL REMOVED DURING DEMOLITION, INCLUDING BUT NOT LIMITED TO STRUCTURAL STEEL, RAILS, CONCRETE, PILES, MOORING SYSTEMS & FENDERS, ETC., SHALL BE DISPOSED OF OFF SITE UNLESS NOTED OTHERWISE.	F	ADDENDUM 5 REVISED CONVEYOR "C" CALLOUT	ECW	JEJ	RSG	03-27-26
	E	ISSUED FOR BID	JLH	JEJ	RSG	01-14-26
	D	100% DESIGN REVIEW	ECW	JEJ	RSG	09-09-25
	C	95% DESIGN REVIEW	JLH	JEJ	RSG	08-08-25
	B	60% DESIGN REVIEW	ECW	JEJ	RSG	06-10-25
	A	30% DESIGN REVIEW	ECW	JEJ	RSG	04-11-25
	NO.					



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ALABAMA
PORT AUTHORITY
PORT OF MOBILE

CLIENT DWG NO:

CHOCTAW POINT CONTAINER TERMINAL
PHASE V DOCK EXTENSION - DEMOLITION PACKAGE
ELEVATION - CONVEYOR "C" & BARGE LOADOUT

FOR: ALABAMA PORT AUTHORITY

PROJECT NO: 4617 DWG NO: D15 REV: F

NOTES	NO.	REVISION	DRAWN	CK'D	APPD	DATE
1. SEE DRAWING G2 FOR DEMOLITION NOTES, DRAWING INDEX, AND REFERENCE DRAWING INDEX. 2. TYPICAL DEMOLITION SECTIONS AND DETAILS AND ATTACHED REFERENCE DRAWINGS ARE FOR INFORMATION ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING ACTUAL EXISTING SITE CONDITIONS PRIOR TO SUBMITTING THEIR BID. 3. ALL EXISTING MATERIAL REMOVED DURING DEMOLITION, INCLUDING BUT NOT LIMITED TO STRUCTURAL STEEL, RAILS, CONCRETE, PILES, MOORING SYSTEMS & FENDERS, ETC., SHALL BE DISPOSED OF OFF SITE UNLESS NOTED OTHERWISE.	F	ADDENDUM 5 REVISED CONVEYOR "C" CALLOUT	ECW	JEJ	RSG	03-27-26
	E	ISSUED FOR BID	JLH	JEJ	RSG	01-14-26
	D	100% DESIGN REVIEW	ECW	JEJ	RSG	09-09-25
	C	95% DESIGN REVIEW	JLH	JEJ	RSG	08-08-25
	B	60% DESIGN REVIEW	ECW	JEJ	RSG	06-10-25
	A	30% DESIGN REVIEW	ECW	JEJ	RSG	04-11-25

PERIMETER POLE LOCATION

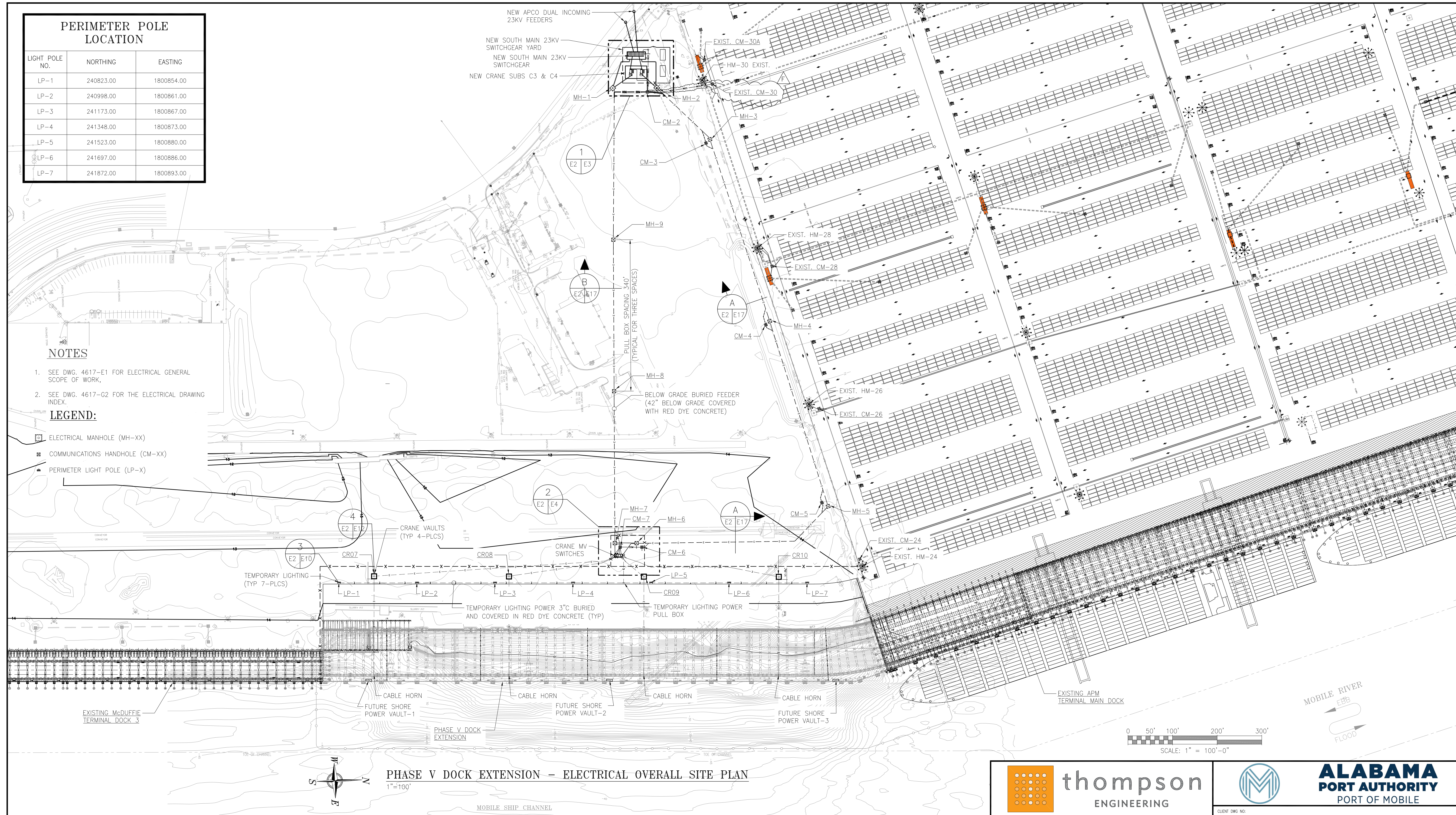
LIGHT POLE NO.	NORTHING	EASTING
LP-1	240823.00	1800854.00
LP-2	240998.00	1800861.00
LP-3	241173.00	1800867.00
LP-4	241348.00	1800873.00
LP-5	241523.00	1800880.00
LP-6	241697.00	1800886.00
LP-7	241872.00	1800893.00

NOTES

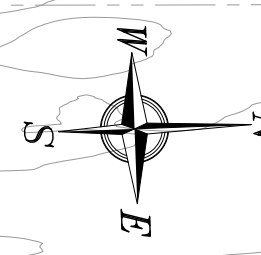
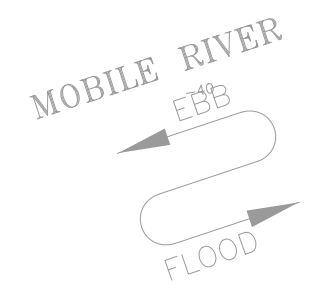
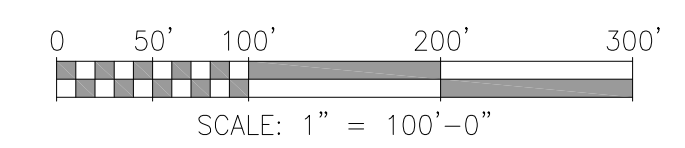
- SEE DWG. 4617-E1 FOR ELECTRICAL GENERAL SCOPE OF WORK,
- SEE DWG. 4617-G2 FOR THE ELECTRICAL DRAWING INDEX.

LEGEND:

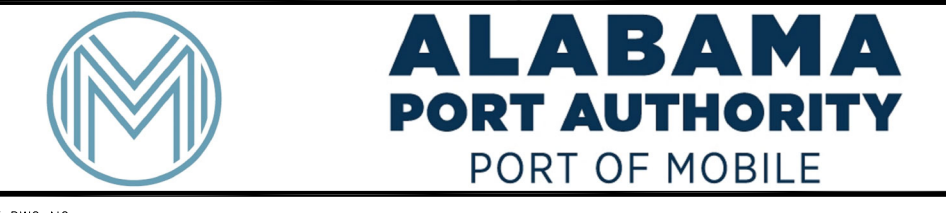
- ELECTRICAL MANHOLE (MH-XX)
- COMMUNICATIONS HANDHOLE (CM-XX)
- PERIMETER LIGHT POLE (LP-X)



PHASE V DOCK EXTENSION - ELECTRICAL OVERALL SITE PLAN
1"=100'



MOBILE SHIP CHANNEL



NOTES

- SEE DRAWING E1 FOR ELECTRICAL GENERAL NOTES, ELECTRICAL GENERAL SCOPE OF WORK, LEGENDS AND ABBREVIATIONS.
- SEE DRAWING E7 FOR THE ELECTRICAL SINGLE LINE DIAGRAM.

NO.	REVISION	DATE	DRAWN	CK'D	APPD	DATE
F	REVISED FOR BID	3-26-26	WMB	MED	RSG	3-26-26
E	ISSUED FOR BID	1-14-26	WMB	MED	RSG	1-14-26
D	100% DESIGN REVIEW	9-9-25	WMB	MED	RSG	9-9-25
C	95% DESIGN REVIEW	8-8-25	WMB	MED	RSG	8-8-25
B	60% DESIGN REVIEW	6-10-25	WMB	MED	RSG	6-10-25
A	30% DESIGN REVIEW	4-11-25	WMB	JEJ	RSG	4-11-25
NO.	REVISION	DATE	DRAWN	CK'D	APPD	DATE

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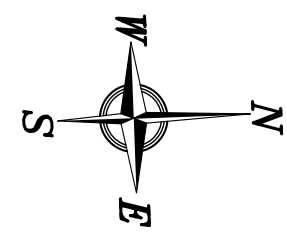
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CLIENT DWG NO:

CHOCTAW POINT CONTAINER TERMINAL
PHASE V DOCK EXTENSION - ELECTRICAL
OVERALL SITE PLAN

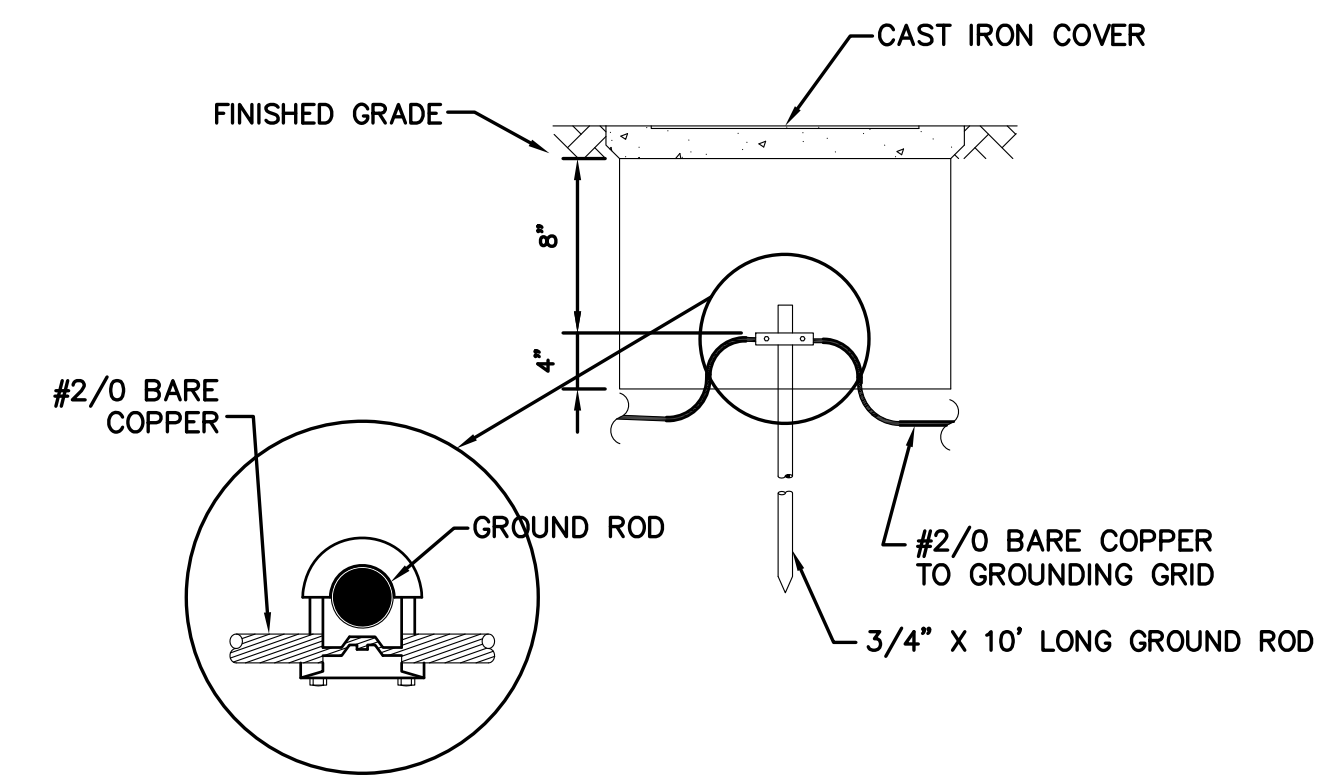
FOR: ALABAMA PORT AUTHORITY

PROJECT NO: 4617 DWG NO: E2 REV: F



GENERAL GROUNDING NOTES:

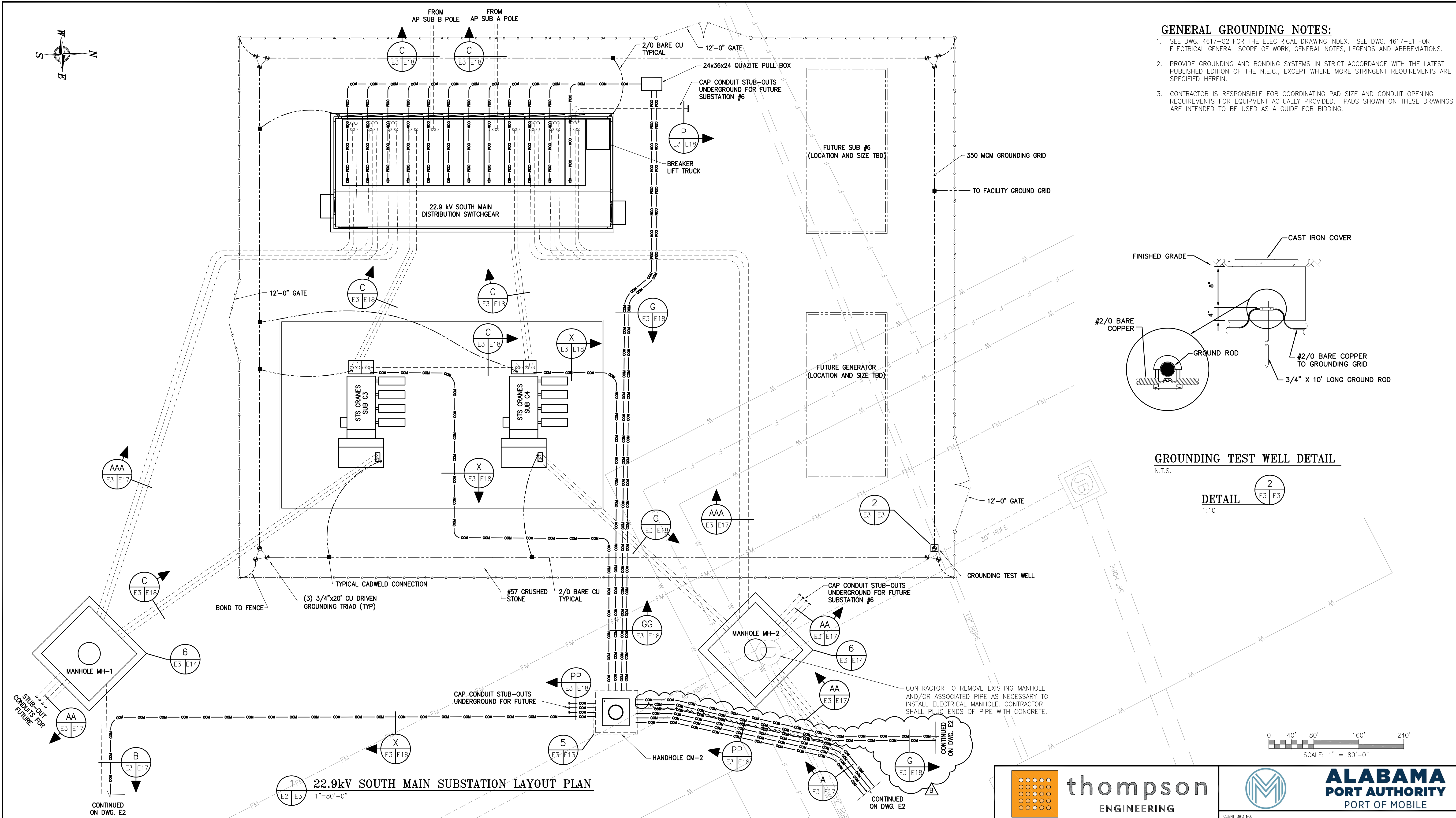
- SEE DWG. 4617-G2 FOR THE ELECTRICAL DRAWING INDEX. SEE DWG. 4617-E1 FOR ELECTRICAL GENERAL SCOPE OF WORK, GENERAL NOTES, LEGENDS AND ABBREVIATIONS.
- PROVIDE GROUNDING AND BONDING SYSTEMS IN STRICT ACCORDANCE WITH THE LATEST PUBLISHED EDITION OF THE N.E.C., EXCEPT WHERE MORE STRINGENT REQUIREMENTS ARE SPECIFIED HEREIN.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATING PAD SIZE AND CONDUIT OPENING REQUIREMENTS FOR EQUIPMENT ACTUALLY PROVIDED. PADS SHOWN ON THESE DRAWINGS ARE INTENDED TO BE USED AS A GUIDE FOR BIDDING.



GROUNDING TEST WELL DETAIL

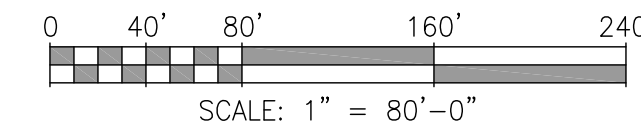
N.T.S.

DETAIL 2
E3 E18
1:10



22.9kV SOUTH MAIN SUBSTATION LAYOUT PLAN

1"=80'-0"



NOTES

- CONTRACTOR RESPONSIBLE FOR RELOCATING UTILITIES AND DRAINAGE IN ORDER TO MAINTAIN SERVICES AT EXISTING FACILITIES.

NO.	REVISION	DATE	DRAWN	CK'D	APPD
B	REVISED FOR BID	3-26-26	WMB	MED	RSG
A	ISSUED FOR BID	1-14-26	WMB	JEJ	RSG

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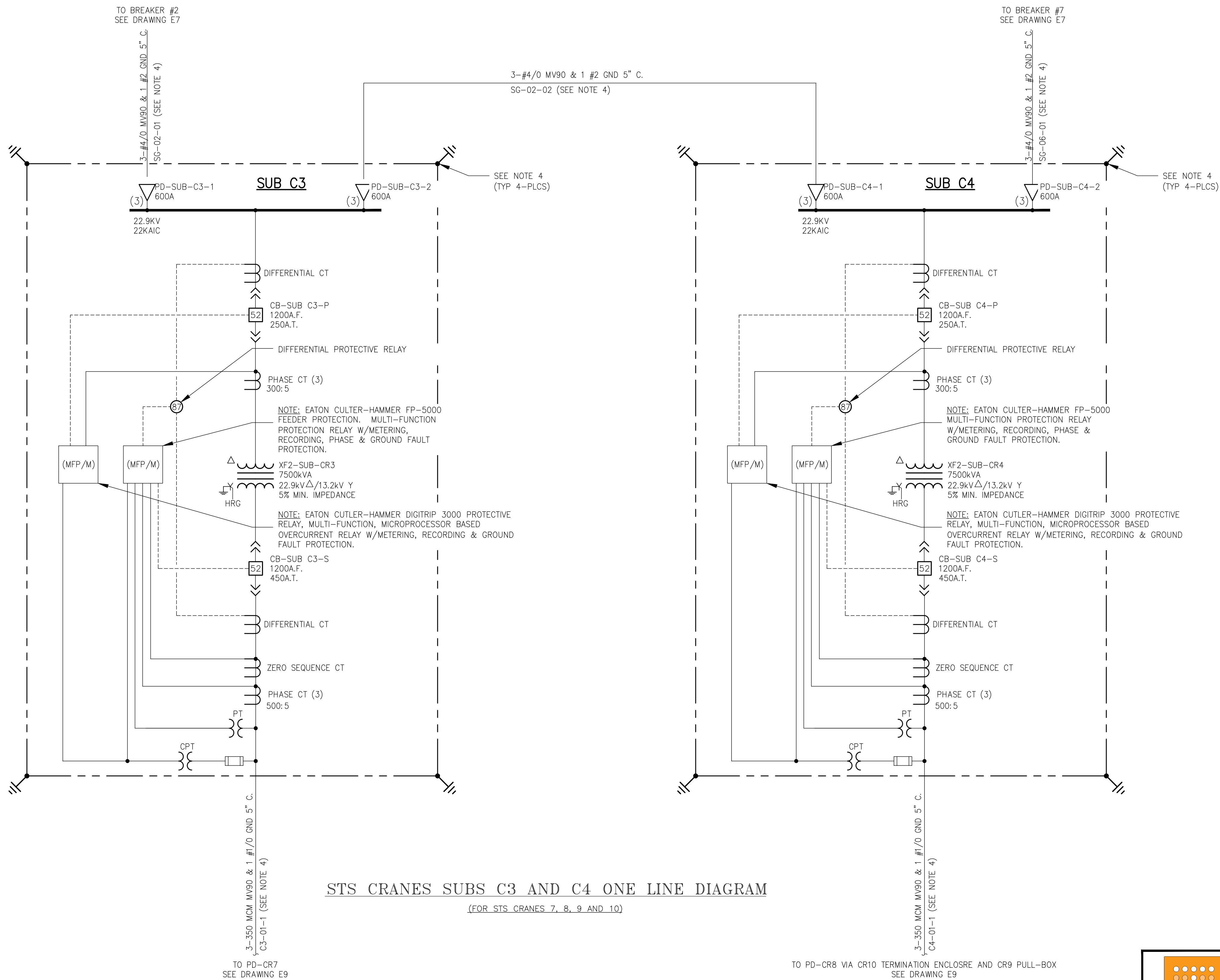
ALABAMA
PORT AUTHORITY
PORT OF MOBILE

CLIENT DWG NO:

CHOCTAW POINT CONTAINER TERMINAL
PHASE V DOCK EXTENSION – ELECTRICAL
22.9kV SOUTH MAIN SUBSTATION LAYOUT PLAN

FOR: **ALABAMA PORT AUTHORITY**

PROJECT NO: **4617** DWG NO: **E3** REV: **B**



STS CRANES SUBS C3 AND C4 ONE LINE DIAGRAM
(FOR STS CRANES 7, 8, 9 AND 10)

NOTES:

- SEE DWG. 4617-E1 FOR ELECTRICAL GENERAL SCOPE OF WORK, GENERAL NOTES, LEGENDS AND ABBREVIATIONS.
- SEE DWG. 4617-G2 FOR THE ELECTRICAL DRAWING INDEX.
- THIS SWITCHGEAR IS SUPPLIED BY THE ELECTRICAL CONTRACTOR. INSTALLATION AND ALL CONNECTIONS ARE BY ELECTRICAL CONTRACTOR.
- CONTRACTOR TO PROVIDE GROUNDING ELECTRODE TRIADS PER NEC ART. 250.
- SEE DWG. 4617-E9 FOR STS CRANES CABLE SCHEDULE.
- TRANSFORMER X0 BUSHING TO BE LOCATED WITH THE X1, X2, X3 BUSHINGS ON SIDE FOUR (4) OF THE TRANSFORMER (TRANSFORMER SECONDARY SIDE).

LEGEND / ABBREVIATIONS

- AC CIRCUIT BREAKER
- DIFFERENTIAL PROTECTIVE RELAY
- BOL-T DEADBREAK CONNECTION
- QUANTITY
- CT CURRENT TRANSFORMER
- CPT CONTROL POWER TRANSFORMER
- HRG HIGH RESISTANCE GROUND
- PD PROTECTIVE DEVICE
- PT POTENTIAL TRANSFORMER
- P PRIMARY ELEMENT
- S SECONDARY ELEMENT
- MFP/M MULTI-FUNCTION MICROPROCESSOR RELAY WITH METERING (SEE NOTES ON ONE-LINE)
- CABLE / CONDUIT NUMBER



NOTES	NO.	REVISION	DRAWN	CK'D	APPD	DATE
	E	ADDENDUM 5	WMB	MED	RSG	3-30-26
	D	ISSUED FOR BID	WMB	MED	RSG	1-14-26
	C	100% DESIGN REVIEW	WMB	MED	RSG	9-9-25
	B	95% DESIGN REVIEW	WMB	MED	RSG	8-8-25
	A	60% DESIGN REVIEW	WMB	JEJ	RSG	6-10-25
REFERENCE DRAWINGS	NO.					

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DRAWN: WMB CK'D: JEJ APPD: RSG DATE: 3-20-25 SCALE: NOTED

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