

Addendum #4

Date: June 5, 2024

Item	Description
DIVISION I – BID DOCUMENTS	
1.	SCHEDULE OF PRICES , revised to remove Bid Alternate for owner supplied material, to clarify bid items for both barge and truck delivery of material, and to revise bid quantities for Flex 650 Concrete, soil cement, RCC, and wick drains.
PHASE IV YARD EXPANSION DRAWINGS	
4484-P21 EXISTING PIEZOMETER (PZ-13-D) REFIT PLAN AND SECTION, Rev A, New drawing.	
4484-P2 CONTAINER YARD PAVING PARTIAL PLAN (SHT. 1 OF 2), REV B, added piezometer PZ-13-D.	
4484-E7 ELECTRICAL PARTIAL ONE LINE DIAGRAMS SUBSTATIONS 4 & 5 PHASE IV LIGHTING, REV B, revised to provide information for circuit breakers to be added or replaced	
4484-E12 HIGHMAST LIGHTING CONTROL PANEL TYPICAL LAYOUT AND FABRICATION DETAILS, REV B, revised to provide part number and correct error in list of materials	
NOTES	
1.	TWIC CARDS – TWIC Cards will be required for fencing contractors to install temporary fencing at the RCC batch plant and for the 40-foot buffer fence at APM.
2.	TESTING OF NON-CONSTRUCTION GRADE MATERIALS – The existing surcharge material (“Area A”) which will be disposed of by the contractor at the end of the project has been tested. Per analytical test results, the material is non-hazardous.
QUESTIONS	
1.	Refer to Article 40-03 Commercial General Liability. Please confirm the required coverage amount of \$15 million can be provided by a combination of primary and excess/ umbrella coverages. Answer: Confirmed.
2.	Work restrictions at the existing wharf- a) Will the existing wharf cranes be in operation at the northern 400 feet end of the Phase III extension at any time during the new Phase IV contract? b) If (a) is correct, for combi-wall installation and Phase IV extension adjacent to the Phase III dock extension, are there any new work restrictions regarding the wharf cranes operations? Answer: Contractor to coordinate with APM
3.	The southeast corner of the slip will have a significant amount of excavation needed in order to install the Virginia Street drainage extension. Will we be able to perform this excavation before the combi-wall is completed? Answer: Yes.

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4.	<p>Will the batch plant area at McDuffie be cleared and available at the beginning of the project? We would like to use this area for laydown while the site is being balanced and surcharge material relocated.</p> <p>Answer: The material will be cleared. The area may be used for a batch plant. As far as a laydown, the availability is to be determined.</p>
5.	<p>With the amount of congestion that we are currently seeing at the front gate of APM, there is concern that during RCC placing operations, the return trucks will have significant issue making it back to the batch plant area. Due to this, will nighttime operations be allowed, and/or can trucks return through the existing facility?</p> <p>Answer: Night operations are allowed however truck traffic will not be allowed through the existing APM terminal.</p>
6.	<p>Per the prestressed concrete pile schedule and the detail drawings of the prestressed concrete pile, the strands in the pile are required to be exposed beyond the cut off elevation. Please confirm if it is acceptable to install dowels in the prestressed concrete piles rather than exposing the strands of the PSC piles.</p> <p>Answer: Dowels are not acceptable. The strands shall be exposed.</p>
7.	<p>Per the drawings P12 and P13, there is a cast in place transition slab around the existing bulkhead. This transition slab is for the north bulkhead pile cap to RCC paving. Please confirm which pay item the CIP transition slab should be included in.</p> <p>Answer: It should be included in the RCC pay item.</p>
8.	<p>Please confirm the 650 Flex quantity our take is about half the bid amount.</p> <p>Answer: Refer to the revised schedule of pricing</p>
9.	<p>Who currently maintains the lighting controls systems? Who provided the system?</p> <p>Answer: Unknown. Contractor to coordinate with APM. See Note 16 on Drawing E1.</p>
10.	<p>Will security components on light poles be part of this project?</p> <p>Answer: Security Components on light poles supplied and installed by others. Conduits installed by Contractor. See Dwg. E21 DETAIL 3, Dwg. E11 DETAIL 1.</p>
11.	<p>Will maxcell or other wire sheathing be required in spare conduits?</p> <p>Answer: Not required for spare conduits.</p>
12.	<p>How will power and communication cables be separated in manholes/hand holes?</p> <p>Answer: See Drawing E1 Note 20. Contractor to maintain segregation of power and communications wiring in handholes/manholes whenever either shall pass through the same space. Add dividers or conduit in handholes/manholes.</p>
13.	<p>Will manholes/handholes be required at each perimeter light pole?</p> <p>Answer: No manholes/handholes are required. The feeder cables will be pulled directly into the Communications and Lighting Control Panels. See Drawing E15 Conduit Riser Diagram and Drawings E17 thru E20 Wiring and Control Diagrams.</p>
14.	<p>How does the MESA Wall interact with combi-wall? What lateral earth pressures of FOS were considered for the combi-wall design relative to global stability of the area?</p> <p>Answer: Interaction is minimal as they are not connected. Refer to drawing 4484-CV28. Analysis of the overall global stability of the wall was satisfactory.</p>

Item	Description
15.	<p>Who will be responsible for Global Stability of MESA Retaining Wall, fill area, and combi-wall? Answer: Stability was considered in design.</p>
16.	<p>What is minimum setback from the combi-wall where drilled displacement elements will impose lateral pressures and displacement? Answer: The rigid inclusions are low pressure injection, non-displacement elements. Overall design is the responsibility of the specialty contractor.</p>
17.	<p>Has the MESA Wall been designed to take the differential settlement between the ground modification area and natural soils. See below snippet of the location of the interaction area between MESA and Combi-wall where the two different soil layers could be encountered. Answer: ("Snippet" was not attached.) The intersection of the walls is supported on existing grade and the RI supported load transfer platform. Minimal differential settlement is anticipated.</p>
18.	<p>What is the configuration of surcharge load in axial & lateral direction behind the combi-wall where ground modification area is planned? Answer: There is a section cut in the drawings showing the setback of the surcharge load and other information contained in the drawings showing the location of the surcharge load relative to the wall.</p>
19.	<p>LP25-40 are detailed as 42" D X 8' deep shafts specified as "Auger cast". Will it be allowable to open cut and install a form (sonotube or corrugated pipe) back fill and pour the required foundation. Another possible option could be install a 42" pipe pile casing as the form? Answer: Installation of a form will be required as the foundation must be constructed before the segmented retaining wall is built. Open cut is acceptable if the backfill meets the compaction standards outlined in the earthwork specification.</p>
20.	<p>Can pictures be provided for the following? Lighting controls hardware in the Admin Building. Sub 4 and Sub 5 switchboards. Lighting controllers in high mast light poles. Answer: Admin pictures are unavailable. Available pictures of lighting controllers and switchboards are attached.</p>
21.	<p>Will the Perimeter Light poles require 4-3" conduits or 3-4" conduits. Answer: Four (4) 3" conduits. (two (2) for power, two (2) for communications) See Dwg. E21 Section 'A'.</p>
22.	<p>Will all 8 power conductors be pulled in 1-3" conduit? Answer: Six (6) power conductors with grounds to be pulled in one (1) 3" conduit. See Drawing E15 Cable Schedule.</p>
23.	<p>What is required in spare conduits? Answer: As shown in ductbank sections and conduit riser diagrams. See Drawings. E8, E9, E15 and E23.</p>

Item	Description
24.	<p>Will any temporary power be required to maintain port operations with 8-hour outages of Sub 4 and Sub 5? Answer: Contractor to coordinate with APM terminal as necessary.</p>
25.	<p>What is the final configuration vertical loading requirement over the ground modification area? Answer: 1,000 psf</p>
26.	<p>Bid Item 35 - Is this item for State or Contractor Supplied Barge & Materials? Answer: Owner supplied barge delivered material has been deleted in Addendum 3. This is contractor supplied.</p>
27.	<p>Are we required to provide pricing for both Bid Items 35 & 35A? Answer: No. Contractor may provide pricing for one or both.</p>
28.	<p>May we only price the Alternate Item 35A? Answer: Yes.</p>
29.	<p>The Contract is silent as to Access to the Site and the Work. Please confirm that the Owner shall provide uninterrupted access to the Project site and the Work or explain what is intended and identify any known limitations. Answer: As outlined during the pre-bid conference, it is not possible to guarantee uninterrupted site access. Alternate routes and work times are provided in the presentation. As outlined in Addendum 3, the contractor assumes all risk of delivery of materials to the site.</p>
30.	<p>The Contract Documents appear unclear on dealing with excusable weather delays for adverse weather in excess of anticipated. Please provide the monthly table of expected adverse weather days or confirm that the use of either U.S. Army Corps of Engineers or another government tabulation of expected adverse weather by month for the Project area is acceptable, and, confirm that such adverse weather days in excess of those expected, if any, shall be handled by the parties as an compensable delay, or explain what is intended. Answer: Excessive weather delays will be considered with application of Liquidated Damages.</p>
31.	<p>Subsection 60-14 appears incomplete as it relates to beneficial occupancy. Please confirm that if the APA takes beneficial occupancy of the Project or any identifiable portion of the Project, such beneficial occupancy shall commence warranty obligations with respect to the occupied portion of the Work, or, if not, clarify what is intended. Answer: The warranty period for Phase IV West will begin after acceptance of Phase IV West.</p>

Item	Description
32.	<p>The Contract Documents appear unclear on the amount of time for Owner review of a Proposed Change Order. Please confirm that any Proposed Change Order (PCO) delivered by Contractor to Owner shall receive approval or be returned with written comment within fourteen (14) calendar days, or thereafter be considered null and void without further action by either party, unless extended in a signed writing by Contractor before 6:00 PM local time at the Owner's place of business on the 14th day after the date that such PCO was delivered by Contractor to Owner, or identify any other period Owner intends.</p> <p>Answer: The owner will respond to Proposed Change Orders within 14 days of receipt.</p>
33.	<p>Due to the fact the Project area is not currently used, Contractor requests an explanation as to why the LDs on this Project are so high and why the APA intends to charge the same amount of LDs for each milestone, which will have different impacts and availability to the APA, and presumably the current Project will not interfere with the APA operations. Please confirm the LDs will match the proportionate effect on the APA or explain what is intended.</p> <p>Answer: As outlined in Addendum 3, Division IV specifications are non-negotiable.</p>
34.	<p>Addendum 3, Question 45: Please confirm liquidated damages under Special Provision 03 and General Provision 20-13 will only be assessed if Contractor fails to achieve Project completion timely (i.e., 1,310* calendar days from receipt of Notice to Proceed, as may be extended as provided for in the Contract Documents). (*addendum 2: 1330 calendar days) In other words, liquidated damages will not be assessed if Contractor misses interim milestones (e.g., completion of the upland yard area and release for use – 365 calendar days, etc.).</p> <p>Answer: As outlined in Addendum 3, liquidated damages will be assessed for missing any of the milestones.</p>
35.	<p>The Contract Documents do not expressly exclude damages other than direct damages or liquidated damages. These other damages would be in the nature of indirect damages. Please confirm that each Party expressly waives any claim for indirect or consequential damages that could be demanded by either Party against the other, or explain what is intended.</p> <p>Answer: As outlined in Addendum 3, Division IV specifications are non-negotiable.</p>
36.	<p>The referenced LDs seem inconsistent with the Owner's likely direct costs of a Subcontract-caused delay of Substantial Completion, since those costs are typically the estimated daily costs of administering the contract work and much lower. Please explain the general support for the daily LD amount, and revise if appropriate, or clarify if LDs are intended to penalize untimely completion.</p> <p>Answer: As outlined in Addendum 3, Division IV specifications are non-negotiable.</p>

Item	Description
37.	<p>The Contract Documents include damages other than direct damages and liquidated damages. These other damages are in the form of indirect, consequential or punitive damages. Please confirm that each Party expressly waives any claim for special, exemplary or punitive damages that could be demanded by either Party against the other, or explain why such additional damages are included.</p> <p>Answer: As outlined in Addendum 3, Division IV specifications are non-negotiable.</p>
38.	<p>The Contract Documents indicate that the Contractor’s remedy for delays caused by the APA shall allow for an extension of Contract Time but do not expressly provide for an adjustment of Contract Price. Such a remedy is inadequate to compensate the Contractor for the direct cost impacts of such compensable changes. Please confirm that APA-responsible delays will be fairly negotiated as to impacts on time and cost or explain why not.</p> <p>Answer: As outlined in Addendum 3, Division IV specifications are non-negotiable.</p>
39.	<p>The Contract Documents appear to allow the Owner to direct acceleration without compensation when the cause for critical path delay is by other than the Contractor. Please confirm that the Parties shall negotiate the compensable impacts of any directed or constructive acceleration of the Work except where such acceleration or recovery of delay to the Project critical path due solely to Contractor critical path delay and without corresponding critical path delay by the Owner or others, or explain what is intended.</p> <p>Answer: Impacts to time or cost will be fairly negotiated if caused directly by APA.</p>
40.	<p>The Contract Documents appear silent on Differing Site Conditions. While General Condition 50-06 Removal of Existing Structures discusses existing, undisclosed structures (above or below) ground, it does not fully elaborate on how these will be handled, whether through Supplemental Agreement or whether any price or time adjustment is intended by the APA. Please confirm that if the Contractor encounters any site condition that is undisclosed in the plans, not observable or disclosed in the pre-bid site inspection and not known by Contractor when bidding the work (a "Differing Site Condition"), the Parties shall reasonably negotiate adjustment of the Contract Time, the Contract Price, or both, as reasonably necessary to address such differing site condition, or explain what is intended.</p> <p>Answer: Parties will reasonably negotiate if unforeseen conditions exist outside of what is provided within the contract documents, plans, reference drawings, and contract specifications.</p>
41.	<p>Subsection 90-09 on page 79 of the 202 page Addendum 2 indicates that APA may take control or possession of Contractor's equipment. This would be acceptable as to equipment that is incorporated into the Project, but not as to construction equipment, vehicles and tools. Such action would violate existing covenants and enforceable agreements and is not permitted. APA's proper remedy in Default for Work completion is the Performance Bond. Please confirm that APA will not take possession or control of Contractor's construction equipment, vehicles, or tools, or explain what is intended.</p> <p>Answer: As outlined in Addendum 3, Division IV specifications are non-negotiable. However, APA has no intention of obtaining ownership of personal equipment or vehicles.</p>

Item	Description
42.	<p>Subsection SP-07 on page 29 of the 202-page Addendum 2 indicates Contractor shall indemnify the Owner and Engineer for the Engineer's contributory negligence. Alabama appears to disfavor such indemnification arrangements and requiring a private contractor to take on the acts of the third-party Engineer and Owner. Please confirm that each Party shall be responsible to the other Party to the extent and in the proportion that the Party's acts or omissions result in impacts to the other Party or to third parties, or explain what is intended.</p> <p>Answer: As outlined in Addendum 3, Division IV specifications are non-negotiable.</p>
43.	<p>Please indicate whether retainage may be placed by Owner at Contractor's request in an interest earning account until such payment of retainage with interest earned to Contractor, or explain why this is not available.</p> <p>Answer: As outlined in Addendum 3, Division IV specifications are non-negotiable.</p>
44.	<p>The Contract Documents do not indicate incomplete right-of-way ("ROW") acquisition or impairment of Project Work. Please confirm; or, if there are acquisition, easement or title issues, please disclose those in writing and indicate the expected date of resolution of each and provide the contact information for such land-acquisition person or persons.</p> <p>Answer: Confirmed</p>
45.	<p>The Contract Documents are unclear on Substantial Completion. Please confirm that the Contractor shall provide Engineer written notice of Substantial Completion, and that the Engineer shall, within ten (10) work days of receipt of such written notice, organize its team and conduct a single, joint, pre-final inspection in which the Parties shall annotate any observed punchlist items to complete prior to Final Completion; that APA shall promptly provide Contractor such written punchlist; and, that once Contractor completes the punchlist work and notifies Engineer in writing, Engineer shall conduct a follow-up inspection of the Work to confirm punchlist completion. Upon verification that punchlist work is properly complete, the Engineer shall issue Contractor a letter of written of Substantial Completion within three (3) business days. If any other procedure is intended, please explain.</p> <p>Answer: Answer: Upon written notice of Substantial Completion, the owner will, as expeditiously as possible, inspect the site and issue a punch list. After punch list and all other items are completed, the owner will consider the project acceptance.</p>
46.	<p>The Contract Documents appear unclear on the method of analyzing alleged Contract Delays. Please confirm that the Parties intend to: 1) use the most recent updated schedule prior to the delaying event, 2) insert the delating activity or activity fragmentary network and 2) then analyze the days of impact to the expected Substantial Completion Date; or, explain what method will be used.</p> <p>Answer: As outlined in Addendum 3, Division IV specifications are non-negotiable.</p>
47.	<p>The Contract Documents do not appear to indicate any specific Utility Conflicts of conflicts with underground infrastructure. Please confirm that the Plans properly reflect all known, existing subsurface utilities and infrastructure (whether in the ground or adjacent waters, if any), or specifically identify what inaccuracies exist, where, and with respect to what specific utilities services (like water, sewer, gas, low voltage); and, provide the expected</p>



Item	Description
	<p>date of relocation or removal, indicating the responsible entity and point of contact for each separate utility. Answer: As outlined in Addendum 3, the contractor will be entitled to contract cost and time relief if unknown utilities are identified that cause substantial negative impact to the cost & schedule of the project.</p>
48.	<p>The Contract Documents appear unclear on the relocation of any utility conflicts, if encountered. Please identify necessary each incomplete utility relocation, if any, within the project limits with a date for completion and a contact for coordination; and, please confirm that the Parties shall negotiate an equitable adjustment for any cost or time impacts resulting from undisclosed utilities, if encountered, or explain what is intended. Answer: As outlined in Addendum 3, the contractor will be entitled to contract cost and time relief if unknown utilities are identified that cause substantial negative impact to the cost & schedule of the project.</p>
49.	<p>A two-year warranty period is onerous on Contractors. Please confirm that APA will accept and revert back to a warranty period of one (1) year from the date of final acceptance. Answer: As outlined in Addendum 3, Division IV specifications are non-negotiable.</p>
50.	<p>Will the Northern Most 450' of Existing Wharf be accessible and useable for offloading of Barged Materials with access to and through the 60 Access Easement for the duration of Filling the Slip? Answer: No. It is part of an operating container terminal.</p>
51.	<p>Will the Owner accept a bid bond on form American Institute of Architects (AIA) 312? Answer: Contractor is to use the bid bond form that is provided in the contract documents.</p>
52.	<p>If there is a difference, please confirm the material specification difference between the slip fill and initial slip fill? Answer: There is no difference. The requirement for the percent passing the No. 40 sieve is no longer applicable.</p>
53.	<p>If there is a difference, please confirm the payment and placement specification difference between the slip fill and initial slip fill? Answer: Once the surcharge is removed, and the area cut to EL +10.0, the subgrade is proof-rolled and additional fill to the bottom of the soil cement is placed in lifts and compacted in accordance with the specifications.</p>
54.	<p>Please confirm that the contractor is required to bid items 35 and 35a with project totals for each option? Answer: The contractor may bid one or both bid items.</p>
55.	<p>Is it allowable for the contractor to utilize both barge and truck fill options? Answer: No. The final bid and alternate bid prices are based on one or the other method.</p>
56.	<p>Please confirm if the Port approved USACE material for placement in slip Area C? Answer: No. The Port has received no test data on any material available from USACE.</p>
57.	<p>Is it acceptable to "earth form" the electrical ductbank? Answer: Yes</p>

Item	Description
58.	<p>Do the rigid inclusions need to be designed to limit the loading on the bulkhead from the 1,000 psf surface loading?</p> <p>Answer: The rigid inclusions should limit the final loading on the subgrade to 100 psf or less.</p>
59.	<p>Can rigid inclusions be installed with displacement drilling adjacent to the bulkhead? If not, at what distance from the bulkhead will displacement drilling be acceptable?</p> <p>Answer: Displacement type drilling should not be performed within 20 feet of the bulkhead.</p>
60.	<p>Regarding the Temporary 54" Drainage Pipe scope of work, please clarify if this pipe is to be removed or abandoned in-place (ie. flowable fill concrete) once the Permanent Drainage system is installed and functioning.</p> <p>Answer: The pipe is to be plugged and abandoned in place.</p>
61.	<p>Regarding the Temporary 54" Drainage Pipe scope of work, could RCP Class V be used in lieu of the HDPE Pipe specified?</p> <p>Answer: No.</p>
62.	<p>Section 40-09 Builder's Risk or Installation Floater states builders risk insurance is required in an amount equal to the amount of the Contract.</p> <ol style="list-style-type: none"> 1. In Addendum #3, Question #40, the Alabama Port Authority did not agree to our requested Named Windstorm and Flood sublimit. As such, for the bid pricing, proponent is operating under the assumption that full replacement value coverage is required to cover Named Windstorms / Hurricanes and Flood. 2. Due to the restricted insurance market, this coverage is not reasonably priced and is, in our view, a poor value for money. Further consider that a Named Windstorm or Flood loss in excess of \$30 million is unlikely. In any case, the proponent would have risk of loss for the Work and would be contractually required to repair damage to the Work prior to Final Acceptance regardless of the available amount of builders' risk insurance. Builders' risk coverage with sublimits of \$30 million for Named Windstorm and \$40 million for Flood are available at commercially reasonable premium costs. 3. Proponent has received a high-level indication from our insurance broker for the additional premium cost to add full coverage limits for Named Windstorm and Flood. The additional premium to increase these limits is estimated to be in the range of seven dollar figures. This is a direct additional cost to the price of the Work. As such, we propose that the proponent be allowed to carry reasonable sublimits of \$30 million for Named Windstorm and \$40 million for Flood. <p>Answer: As outlined in Addendum 3, Division IV specifications are non-negotiable.</p>
63.	<p>Will the port consider a 1 week bid date extension?</p> <p>Answer. No. The bid date will remain as specified.</p>



Alabama Port Authority
Specification Booklet

Project Name APMT Phase IV Yard Expansion

Location Mobile, Alabama

Project # 11261

Task # 1

April 2024

SPECIFICATIONS AND CONTRACT DOCUMENTS



PORT OF MOBILE
ALABAMA PORT AUTHORITY

John C. Driscoll, Director & CEO

Kay Ivey, Governor of Alabama

ISSUED BY

Engineering Services Department



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INVITATION TO BID

Sealed bid proposals will be received via courier to the Alabama Port Authority, 1400 Alabama State Docks Blvd, Room 216, Administration Building, Mobile, Alabama 36602 by 1:30 P.M., on June 12, 2024. Sealed bid proposals can also be hand delivered from 1:45 P.M. to 2:00 P.M., on June 12, 2024 to the Alabama Port Authority in the International Trade Center building, 250 North Water Street, 1st Floor – Killian Room, Mobile, Alabama. Faxed or electronic submitted bids will not be accepted. The right is reserved, as the interest of the Alabama Port Authority may require, to reject all bids through a Notice of Non-award or otherwise, and to waive informalities in bids received.

PROJECT 11261 APMT PHASE IV YARD EXPANSION MOBILE, ALABAMA

The work consists principally of providing bonds, labor, materials, equipment, and supervision necessary for the construction of a new container handling storage yard inclusive of all required removal work, installation of batter piles and a sheet pile bulkhead across a marine slip, fill work of the slip and upland area, surcharge with prefabricated vertical drains, installation of rigid inclusion piles with an associated load transfer platform, soil improvements, precast-prestressed concrete pile and auger cast pile installation, drainage, grading, soil cement stabilized base and RCC paving work, installation of a modular concrete retaining wall, utilities, communication, electrical distribution, lighting and fencing requirements as indicated on the Contract Drawings and Specifications.

Specifications, proposal forms, bid and performance bond forms, and plans are available on the Alabama Port Authority website at www.alports.com. For additional project contractual information, please contact the APA Project Manager, Kyle Strachan at (251) 441-7205 (Email to kyle.strachan@alports.com). For technical information, please contact the APTIM Project Manager, Mike Dye at (251) 344-1913 (email at mike.dye@aptim.com).

A Pre-Bid Meeting is scheduled for May 7, 2024 at 2:00 P.M. in the Killian Room with a site visit to follow. **Bidder attendance is MANDATORY.**

Each bidder shall satisfy oneself as to the character, quality, and quantities of work to be performed, and as to the requirements of the proposed contract. The submission of a proposal shall be proof that the bidding Contractor has made such examination and is satisfied as to the conditions to be encountered in performing the work and as to the requirements of the proposed Contract. All bidding Contractors must hold a current license from the State Licensing Board for General Contractors, Montgomery, Alabama with the classification of (H/RR) Heavy/Railroad.



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A Guarantee will be required with each bid as follows: At least five (5%) percent of the amount bid, but in no event more than Ten Thousand (\$10,000) Dollars, shall be furnished in the form of a certified check or bid bond payable to the Alabama Port Authority.

A Performance Bond in an amount not less than the sum bid will be required at the signing of the contract and, in addition, a bond in an amount not less than One Hundred (100%) percent of the contract price, insuring payment of all labor and material.

No bid will be considered unless the bidder, whether resident or non-resident of Alabama, is properly qualified to submit a proposal for this work in accordance with all applicable laws of the State of Alabama. This shall include evidence of holding a current license as required from the State Licensing Board for General Contractors, Montgomery, Alabama. Also, non-residents of the State must show evidence of having qualified with the Secretary of State to do business in Alabama.

Bids will be publicly opened at 2:00 P.M., June 12, 2024, in the International Trade Center Building, 250 North Water Street, first floor – Killian Room, Mobile, AL. The right is reserved, as the interest of the Alabama Port Authority may require, to reject any and all bids and to waive informalities in bids received.



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INSTRUCTIONS TO BIDDERS

1.0 ADDENDA AND INTERPRETATIONS

All questions about the meaning or intent of the Contract Documents shall be submitted to the Engineer in writing on or before June 3, 2024. Replies will be issued by Addenda mailed or delivered to all parties recorded as having received the bidding documents. All addenda so issued shall become part of the Contract Documents. Only questions answered by formal written Addenda will be binding. Oral and other interpretations or clarifications will be without legal effect.

2.0 PREQUALIFICATION OF BIDDERS

No proposal will be considered from any Contractor unless he is licensed to do work in the State of Alabama and has complied with the requirements of Paragraph SP-04 of the DIVISION III Special Provisions.

3.0 SUBMISSION OF PROPOSALS

Before submitting his proposal, the Contractor shall comply with the following:

- a) The Proposals shall be filled in ink on the form provided herein and all blank spaces in the form shall be fully filled. The signature shall be in long hand and the complete form shall be without interlineations, alteration or erasure.
- b) If the Bidder is a corporation organized in a state other than Alabama, attach to the Proposal a certificate from the Secretary of State showing that the Corporation is qualified to transact business in Alabama
- c) Attach a certified check or Bid Bond in the amount of 5% of the Proposal, but not more than \$10,000 made payable to the Alabama Port Authority
- d) Non-resident (out of state) Contractors shall attach all items included by SP-6
- e) Attach a copy of the State Contractor's License to Proposal
- f) Certificate of Compliance (pages 7-8 of this document)

One copy of Items (a) through (f) shall be placed in a sealed envelope with the bidder's name, Contractor's License number, the project, and the time and date of bid opening shown on the outside.



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PROPOSAL

Proposal of:

Address:

Date:

To: STATE OF ALABAMA, Alabama Port Authority, Mobile, Alabama

Gentlemen:

The undersigned, as Bidder, hereby declares that he has examined the site of the work and informed himself fully in regard to all conditions pertaining to the place where the work is to be done; that he has examined the plans and specifications for the work and contractual documents relative thereto, and has read all Special Provisions and Specifications furnished; and that he has satisfied himself relative to all aspects of the work to be performed and especially to those factors affecting cost, progress, or performance.

The Bidder proposes and agrees, if this bid is accepted, to contract with the Owner in the form of contract specified, to furnish all necessary materials, equipment, tools, apparatus, means of transportation, labor and incidentals to perform in a satisfactory manner, the work described in the Contract Specifications and Drawings for the Alabama Port Authority, for the prices listed below to complete:

PROJECT 11261
APMT PHASE IV YARD EXPANSION
MOBILE, ALABAMA

In full and complete accordance with the shown, noted, described and reasonable intended requirements of the plans, specifications and contract documents to the full and entire satisfaction of the Owner with a definite understanding that no money will be allowed for extra work except as set forth in the attached contract documents.

It is agreed that the description under each item, being briefly stated, implies, although it does not mention, all incidentals and that the prices stated are intended to cover all such work materials and incidentals as constitute Bidder’s obligation as described in the specifications and any details not specifically mentioned, but evidently included in the contract shall be compensated for the item which most logically includes it.

Bidder agrees that he will commence the work within the time allotted by the Contract Documents with an adequate force, plant, and equipment and that the work will be completed within time schedules outlined in Special Provisions Article SP-3.



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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.**

SCHEDULE OF PRICES

DESCRIPTION		ESTIMATED QTY	UNIT OF MEASURE	UNIT PRICE, \$	VALUE, \$
1	Project Bonds and Insurance	Lump Sum	L.S.		
I. YARD & SLIP FILL					
I.1 Phase IV West					
2	Mobilization	Lump Sum	L.S.		
3	Appropriate BMP and Environmental Actions	Lump Sum	L.S.		
4	Demolition and Removal of Existing Structures	Lump Sum	L.S.		
5	Relocation of Water Treatment Plant	Lump Sum	L.S.		
6	Clear and Grub	Lump Sum	L.S.		
7	Proof Rolling	Lump Sum	L.S.		
8	Cut Area <u> A </u>	144,772	C.Y.	/C.Y.	
8A	Cut Area <u> B </u>	132,816	C.Y.	/C.Y.	
9	Yard Fill Area <u>A and B</u> (Existing Material)	53,938	C.Y.	/C.Y.	
10	West Construction Access Ramp	Lump Sum	L.S.		
11	East Construction Access Ramp	Lump Sum	L.S.		
12	Protected Slope on East Side of Phase I	Lump Sum	L.S.		
13	Soil Cement Base	78,368	S.Y.	/S.Y.	
14	Mobilization for RCC Paving	Lump Sum	L.S.		



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DESCRIPTION		ESTIMATED QTY	UNIT OF MEASURE	UNIT PRICE, \$	VALUE, \$
15	RCC Paving	78,368	S.Y.	/S.Y.	
16	Flex 650 Paving	1,094	S.Y.	/S.Y.	
17	Temporary Drainage	Lump Sum	L.S.		
18	Permanent Drainage	Lump Sum	L.S.		
19	Trench Drains (inclusive of water quality units)	Lump Sum	L.S.		
20	MESA Retaining Wall	18,446	S.F.	/S.F.	
21	Firewater Piping	Lump Sum	L.S.		
22	Domestic Water Piping	Lump Sum	L.S.		
23	Electrical	Lump Sum	L.S.		
24	High Mast Light Poles and Fixtures	4	Unit	/Unit	
25	High Mast Light Pole Foundations	4	Unit	/Unit	
26	Perimeter Light Poles and Fixtures	10	Unit	/Unit	
27	Perimeter Light Pole Foundations	10	Unit	/Unit	
28	Bollards	88	Unit	/Unit	
29	Fencing & Swing Gates	Lump Sum	L.S.		
30	Striping and Pavement Markings	Lump Sum	L.S.		
31	Row Signs (Concrete Block and sign at the end of container row)	15	Unit	/Unit	
Subtotal Phase I					
I.2. Phase IV East					
32	Appropriate BMP and Environmental Actions	Lump Sum	L.S.		
33	Clear and Grub	Lump Sum	L.S.		
34	Proof Rolling	Lump Sum	L.S.		
35	Fill Area __C__ (Barge delivery)	623,761	C.Y.	/C.Y.	
35A	Fill Area __C__ (Truck Delivery) Alt.	623,761	C.Y.	/C.Y.	
36	Surcharge	164,893	C.Y.	/C.Y.	
37	Cut and Removal Area __C__	177,424	C.Y.	/C.Y.	
38	Fill Area __C__ to bottom of soil cement	43,834	C.Y.	/C.Y.	
39	Wick Drains	2,800,000	L.F.		



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DESCRIPTION		ESTIMATED QTY	UNIT OF MEASURE	UNIT PRICE, \$	VALUE, \$
40	Rigid Inclusions	Lump Sum	L.S.		
41	Load Transfer Platform	Lump Sum	L.S.		
42	Soil Cement	69,477	S.Y.	/S.Y.	
43	Mobilization for RCC Paving	Lump Sum	L.S.		
44	RCC Paving	69,477	S.Y.	/S.Y.	
45	Flex 650 Paving	430	S.Y.	/S.Y.	
46	Drainage	Lump Sum	L.S.		
47	Trench Drains (inclusive of water quality units)	Lump Sum	L.S.		
48	MESA Retaining Wall	5,440	S.F.	/S.F.	
49	Firewater Piping	Lump Sum	L.S.		
50	Electrical	Lump Sum	L.S.		
51	High Mast Light Poles and Fixtures	5	Unit	/Unit	
52	High Mast Light Pole Foundations	5	Unit	/Unit	
53	Perimeter Light Poles and Fixtures	6	Unit	/Unit	
54	Perimeter Light Pole Foundations	6	Unit	/Unit	
55	Bollards	84	Unit	/Unit	
56	Fencing	Lump Sum	L.S.		
57	Striping and Pavement Markings	Lump Sum	L.S.		
58	Row Signs (Concrete Block and sign at the end of container row)	13	Sign	/Sign	
59	Demobilization	Lump Sum	L.S.		
Subtotal Phase II					
II BULKHEAD					
60	Mobilization	Lump Sum	L.S.		
61	Demolition and Removal of Existing Structures	Lump Sum	L.S.		
62	Supply and Installation of PNZ54/NZ19 Combination Wall	Lump Sum	L.S.		
63	Concrete Bearing Piling (24" Square Piles)	4,250	L.F.	/L.F.	



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DESCRIPTION	ESTIMATED QTY	UNIT OF MEASURE	UNIT PRICE, \$	VALUE, \$
64 Concrete Batter Piling (24" Square Piles 4:12 batter)	840	L.F.	/L.F.	
65 Concrete Batter Piling (24" Square Piles 6:12 batter)	5,715	L.F.	/L.F.	
66 Concrete Work (Dock Addition)	Lump Sum	L.S.		
67 Concrete Work (Bulkhead Cap)	Lump Sum	L.S.		
68 Remove and Reinstall Light Poles	Lump Sum	L.S.		
69 Storm Drain Line Penetrations for Outfall No. 1	Lump Sum	L.S.		
70 Storm Drain Line Penetrations for Outfall No. 2	Lump Sum	L.S.		
71 Demobilization	Lump Sum	L.S.		
Subtotal - Bulkhead				
72 All remaining items necessary for a complete job installation	Lump Sum	L.S.		
*TOTAL PROJECT BASE BID (Including Barge Delivery in Line Item 35)				
*TOTAL PROJECT ALTERNATE BID (Including Truck Delivery in Line Item 35A)				

* The contractor has the option of providing bids for both truck and barge delivery for fill materials or may select one. The owner has the right to select either the lowest base bid or the lowest alternate bid.

- 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:

	Without Driving	With Driving
A) 24" Concrete Pile Buildups	\$_____/Ft.	\$_____/Ft.
B) Clamshell, if required, at north end of bulkhead for rip/rap – debris removal	Daily Rate	\$_____/Day.



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_____ Dollars
(In Words)

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

ADDENDUM NO. _____

ADDENDUM NO. _____

ADDENDUM NO. _____

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



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BID BOND

KNOW ALL MEN BY THESE PRESENTS, that we, undersigned, _____

_____ as Principal, and _____

as Surety, are hereby held and bound unto The Alabama Port Authority as **OWNER** in the Penal sum of _____ for the payment of which will and truly be made, we hereby jointly and severally bind ourselves, successors and assigns. Signed, the _____ day of _____, 20__.

The Condition of the above obligation is such that whereas the Principal has submitted to the Alabama Port Authority a certain BID, attached hereto and hereby made a part hereof to enter into a contract in writing, for the Phase IV Yard Expansion, Project 11261 Task #1.

NOW, THEREFORE,

- (a) If said BID shall be rejected, or
- (b) If said BID shall be accepted and the Principal shall execute and deliver a contract in the form of Contract attached hereto (Properly completed in accordance with said BID) and shall furnish a BOND for his faithful performance of said contract, and for the payment of all persons performing labor or furnishing materials in connection therewith, and shall in all other respects perform the agreement created by the acceptance of said BID, then this obligation shall be void, otherwise the same shall remain in force and effect; it being expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no event, exceed the panel amount of this obligation as herein stated.

The Surety, for value received, hereby stipulates and agrees that the obligations of said Surety and its **BOND** shall in no way be impaired or affected by any extension of time within which the **OWNER** may accept such BID; and said Surety does hereby waive notice of any such extension.

IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands and seals, and such of them as are corporations have caused their corporate seals to be hereto affixed and these presents to be signed by their proper officers, the day and year first set forth above.

Principal	
Surety	
By	



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State of _____

County of _____

CERTIFICATE OF COMPLIANCE WITH THE BEASON-HAMMON ALABAMA TAXPAYER AND CITIZEN PROTECTION ACT (ACT 2011-535, as amended by Act 2012-491)

DATE: _____

RE Contract/Grant/Incentive (describe by number or subject):

_____ by and between

_____ (Contractor/Grantee) and

_____ (State Agency, Department or Public Entity)

The undersigned hereby certifies to the State of Alabama as follows:

1. The undersigned holds the position of _____ with the Contractor/Grantee named above, and is authorized to provide representations set out in this Certificate as the official and binding act of that entity, and has knowledge of the provisions of THE BEASON-HAMMON ALABAMA TAXPAYER AND CITIZEN PROTECTION ACT (ACT 2011-535 of the Alabama Legislature, as amended by Act 2012-491) which is described herein as "the Act".
2. Using the following definitions from Section 3 of the Act, select and initial either (a) or (b), below, to describe the Contractor/Grantee's business structure.

BUSINESS ENTITY. Any person or group of persons employing one or more persons performing or engaging in any activity, enterprise, profession, or occupation for gain, benefit, advantage, or livelihood, whether for profit or not for profit. "Business entity" shall include, but not be limited to the following:

- a. Self-employed individuals, business entities filing articles of incorporation, partnerships, limited partnerships, limited liability companies, foreign corporations, foreign limited partnerships, foreign limited liability companies authorized to transact business in this state, business trusts, and any business entity that registers with the Secretary of State.



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b. Any business entity that possesses a business license, permit, certificate, approval, registration, charter, or similar form of authorization issued by the state, any business entity that is exempt by law from obtaining such a business license and any business entity that is operating unlawfully without a business license.

EMPLOYER. Any person, firm, corporation, partnership, joint stock association, agent, manager, representative, foreman, or other person having control or custody of any employment, place of employment, or of any employee, including any person or entity employing any person for hire within the State of Alabama, including a public employer. This term shall not include the occupant of a household contracting with another person to perform casual domestic labor within the household.

a. The Contractor/Grantee is a business entity or employer as those terms are defined in Section 3 of the Act.

b. The Contractor/Grantee is not a business entity or employer as those terms are defined in Section 3 of the Act.

3. As of the date of this Certificate, Contractor/Grantee does not knowingly employ an unauthorized alien within the State of Alabama and hereafter it will not knowingly employ, hire for employment, or continue to employ an unauthorized alien within the State of Alabama.

4. Contractor/Grantee is enrolled in E-Verify unless it is not eligible to enroll because of the rules of that program or other factors beyond its control.

Certified this ____ day of _____ 20____

Name of Contractor/Grantee/Recipient

By: _____

Its _____



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The above Certification was signed in my presence by the person whose name appears above,
on this _____ day of _____ 20_____

WITNESS:

Signature

Printed Name of Witness



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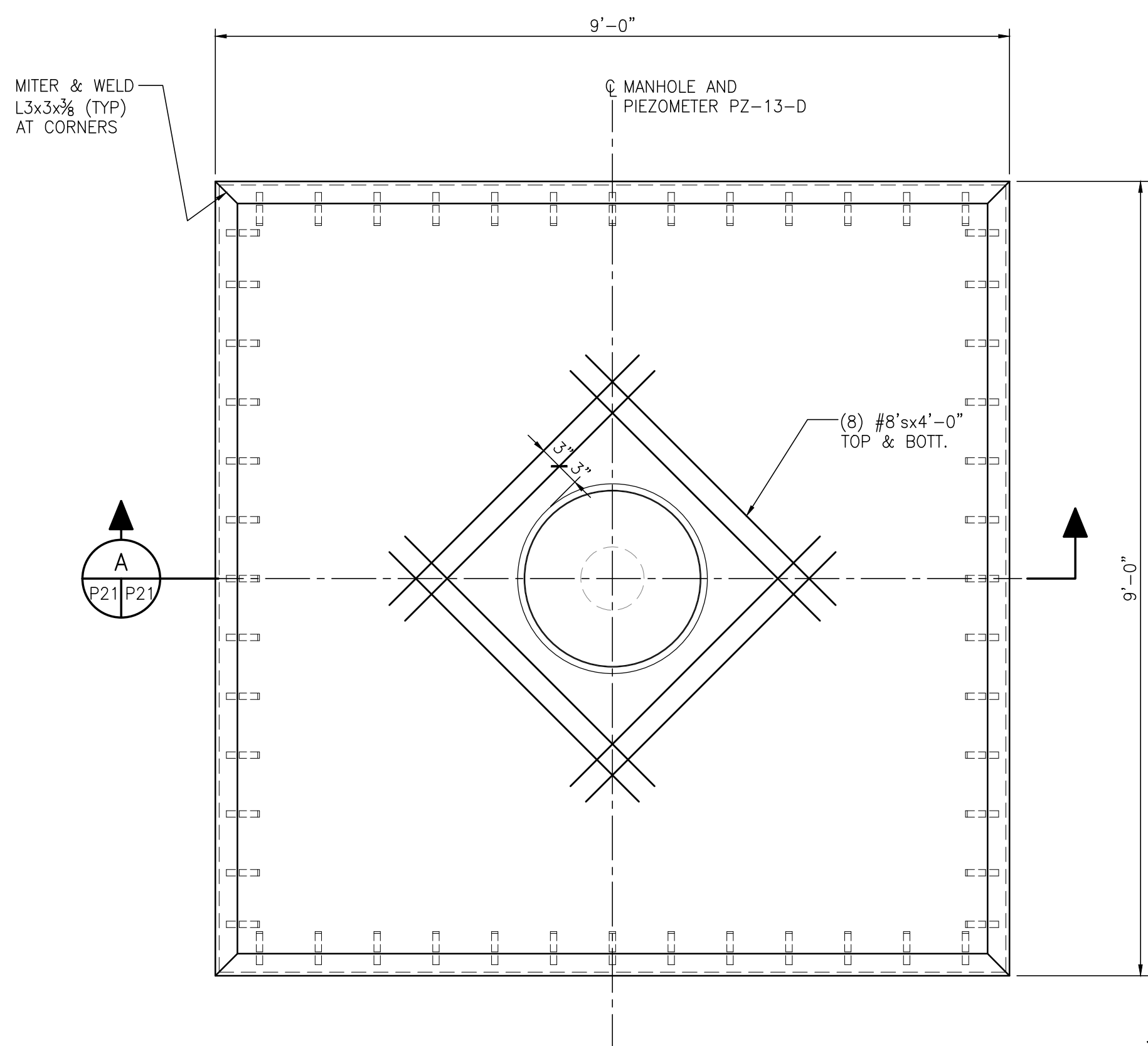
Project # 11261

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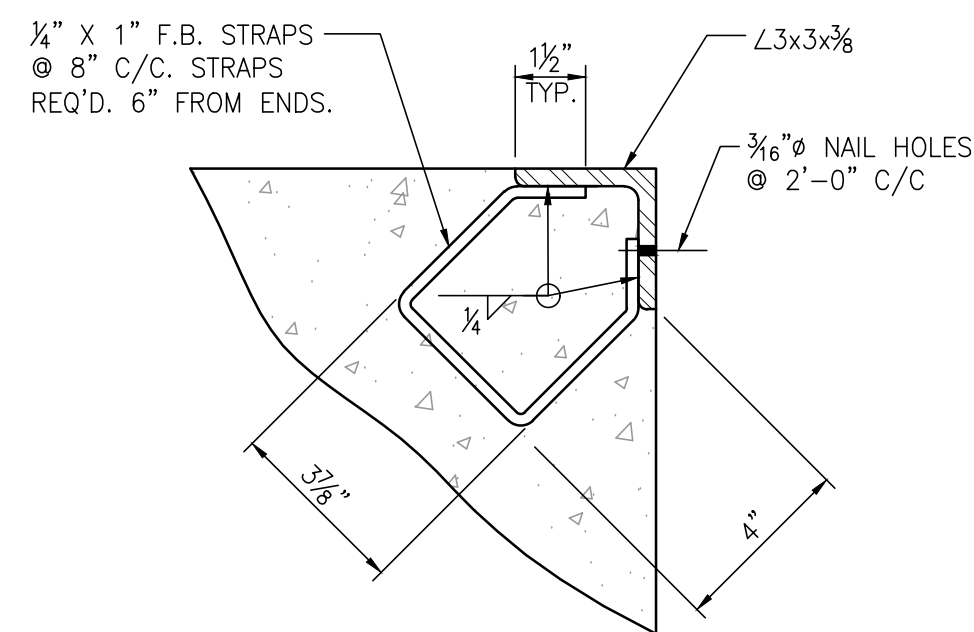
April 2024

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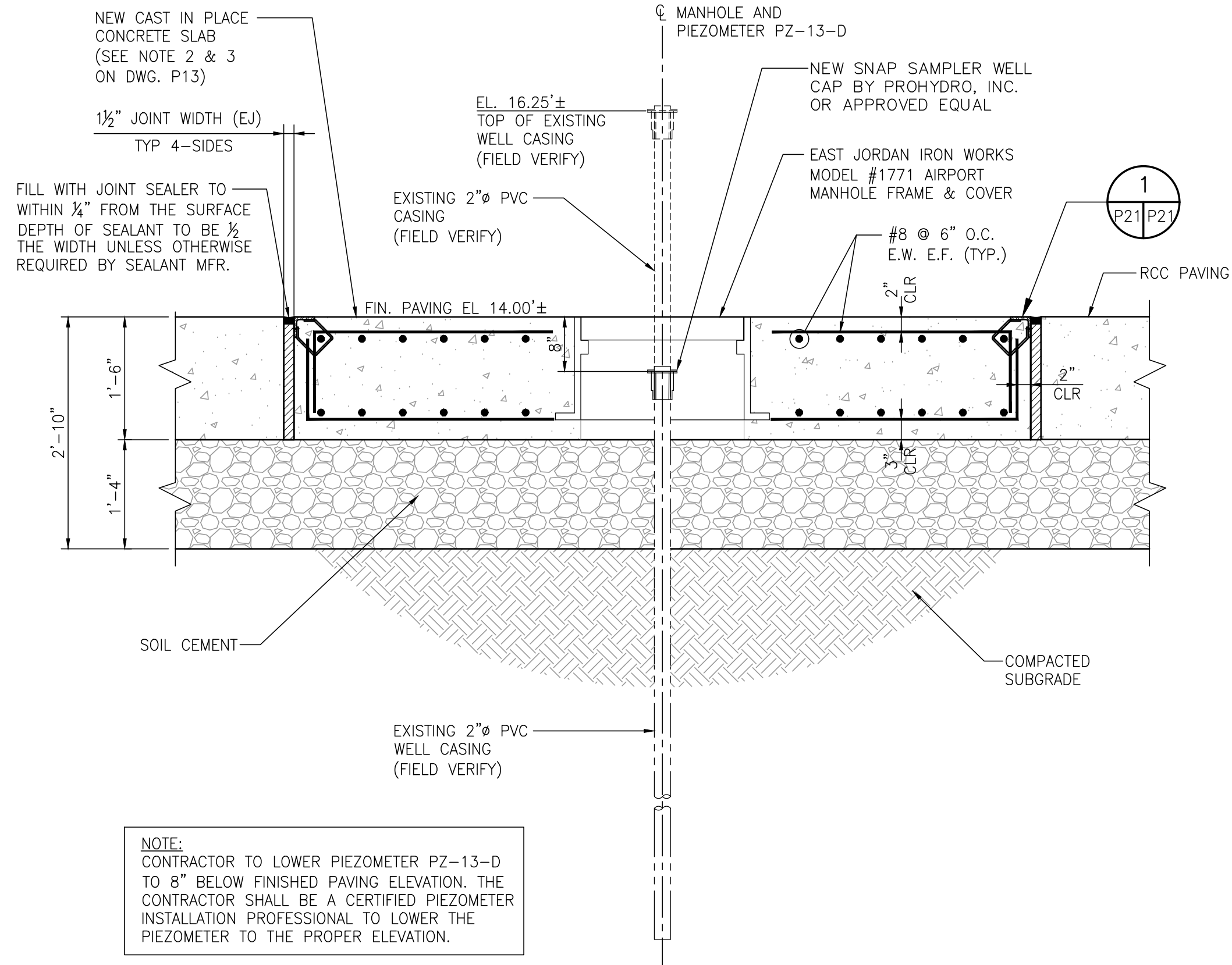
INSERT HUD GRANT FORMS



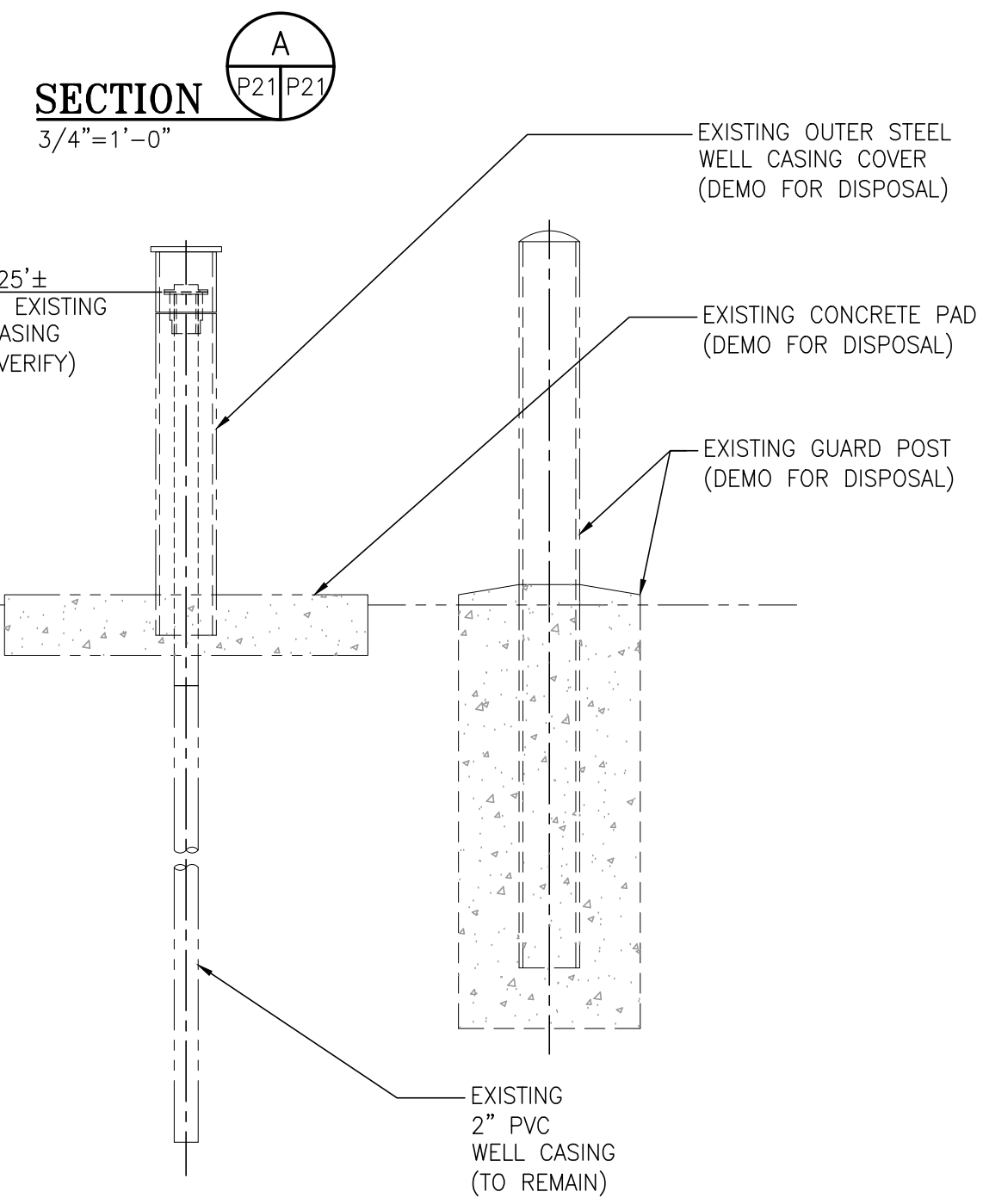
EXISTING PIEZOMETER PZ-13-D REFIT DETAIL
3/4"=1'-0"



EMBEDDED ANGLE DETAIL
3"=1'-0"
NOTE: EMBEDDED ANGLES SHALL BE HOT DIP GALVANIZED AFTER FABRICATION.



NOTE: CONTRACTOR TO LOWER PIEZOMETER PZ-13-D TO 8" BELOW FINISHED PAVING ELEVATION. THE CONTRACTOR SHALL BE A CERTIFIED PIEZOMETER INSTALLATION PROFESSIONAL TO LOWER THE PIEZOMETER TO THE PROPER ELEVATION.



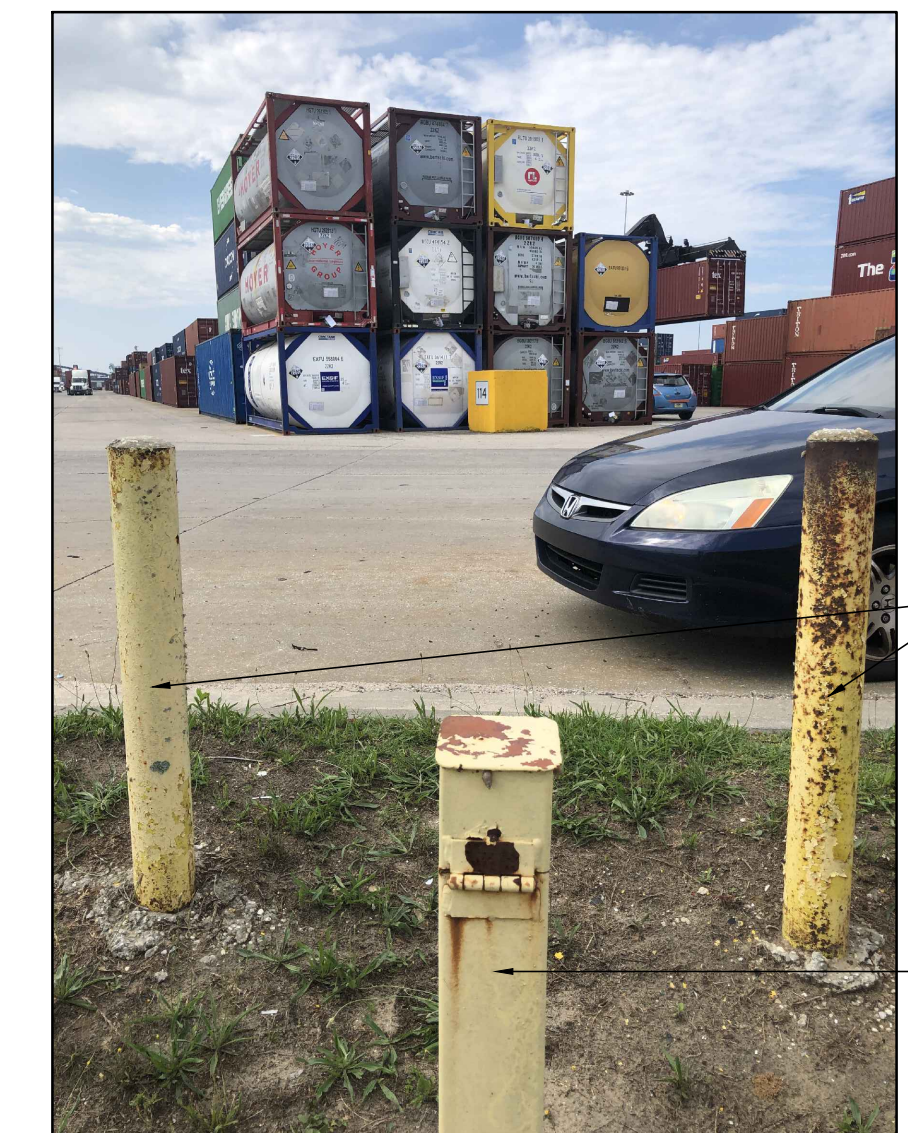
PIEZOMETER PZ-13-D WELL CASING EXISTING CONDITIONS
3/4"=1'-0"
(ELEVATION VIEW LOOKING SOUTH)

NOTES:

1. THE CONTRACTOR SHALL COORDINATE WITH APA PRIOR TO PERFORMING ANY WORK AROUND THE EXISTING PIEZOMETER AND APA SHALL BE PRESENT DURING ANY MODIFICATIONS MADE TO THE PIEZOMETER.



ITEM 1: PIEZOMETER PZ-13-D EXISTING CONDITIONS
NTS (VIEW LOOKING NORTH)



ITEM 2: PIEZOMETER PZ-13-D EXISTING CONDITIONS
NTS (VIEW LOOKING SOUTH)

NOTES	
1.	SEE DWG. 4484-G2 FOR THE PROJECT DRAWING INDEX.

NO.	REVISION	DRAWN	CK'D	APPD	DATE
A	ISSUED FOR BID	RST	MED	RSG	06/04/24

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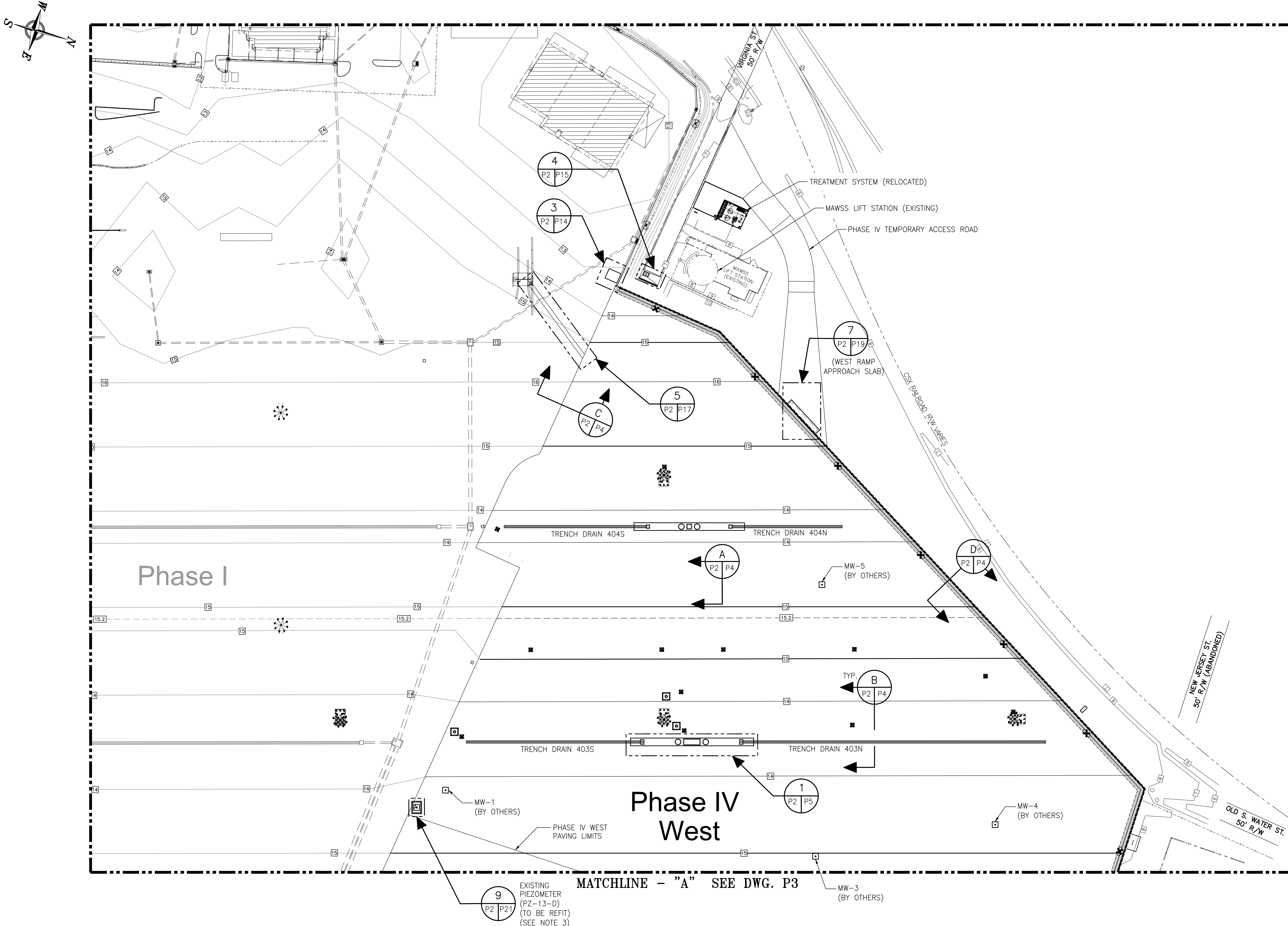
ALABAMA
PORT AUTHORITY
PORT OF MOBILE

ASPA PROJECT NO: 11261 - TASK 1 | ASPA DWG NO: _____

APMT PHASE IV YARD EXPANSION
EXISTING PIEZOMETER (PZ-13-D) REFIT
C.I.P. SLAB PLAN & SECTION

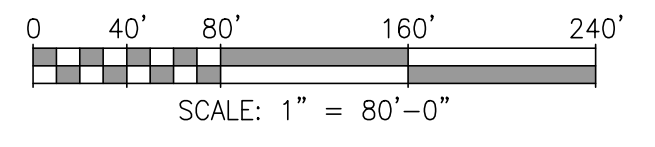
FOR: ALABAMA STATE PORT AUTHORITY

PROJECT NO: 4484 | DWG NO: P21 | REV: A



LEGEND:

SYMBOL:	DESCRIPTION:
	INDEX CONTOUR
	INTERMEDIATE CONTOUR
	SPECIAL CONTOUR
	RCP STORM DRAIN (UNO)
	PROPERTY OR STREET R/W BOUNDARY LINE
	SPOT ELEVATION OR TOP OF TRENCH GRATE, INLET GRATE OR MANHOLE LID ELEVATION
	HIGHMAST LIGHT POLE
	PERIMETER LIGHT POLE
	MONITORING WELL (BY OTHERS)



ASPA PROJECT NO: 11261 - TASK 1 ASPA DWG NO:

APMT PHASE IV YARD EXPANSION
CONTAINER YARD PAVING
PARTIAL PLAN (SHT. 1 OF 2)

FOR: ALABAMA PORT AUTHORITY

PROJECT NO: 4484 DWG NO: P2 REV: B



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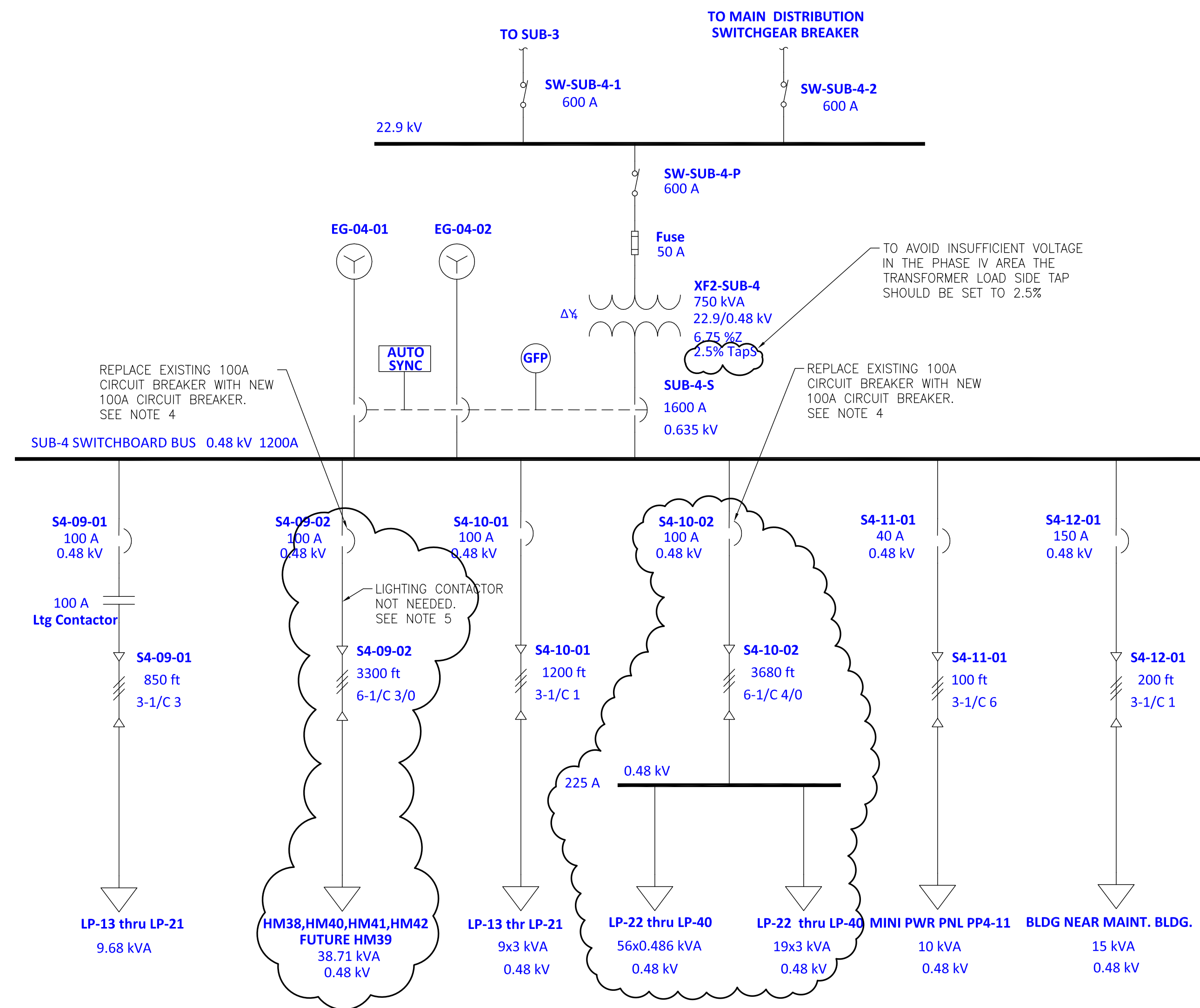
NOTES

- SEE DRAWING G3 FOR PROJECT GENERAL NOTES.
- SEE DWG. G7 & G8 FOR MONITORING WELLS MW-1 THRU MW-5 LOCATION POINT COORDINATE TABLE (BY OTHERS).
- THE CONTRACTOR TO PROVIDE CONCRETE JERSEY BARRIERS ENCLOSING AN AREA APPROXIMATELY 20' X 16' ALL AROUND EXISTING PIEZOMETER PZ-13-D FOR ITS PROTECTION DURING CONSTRUCTION ACTIVITIES.

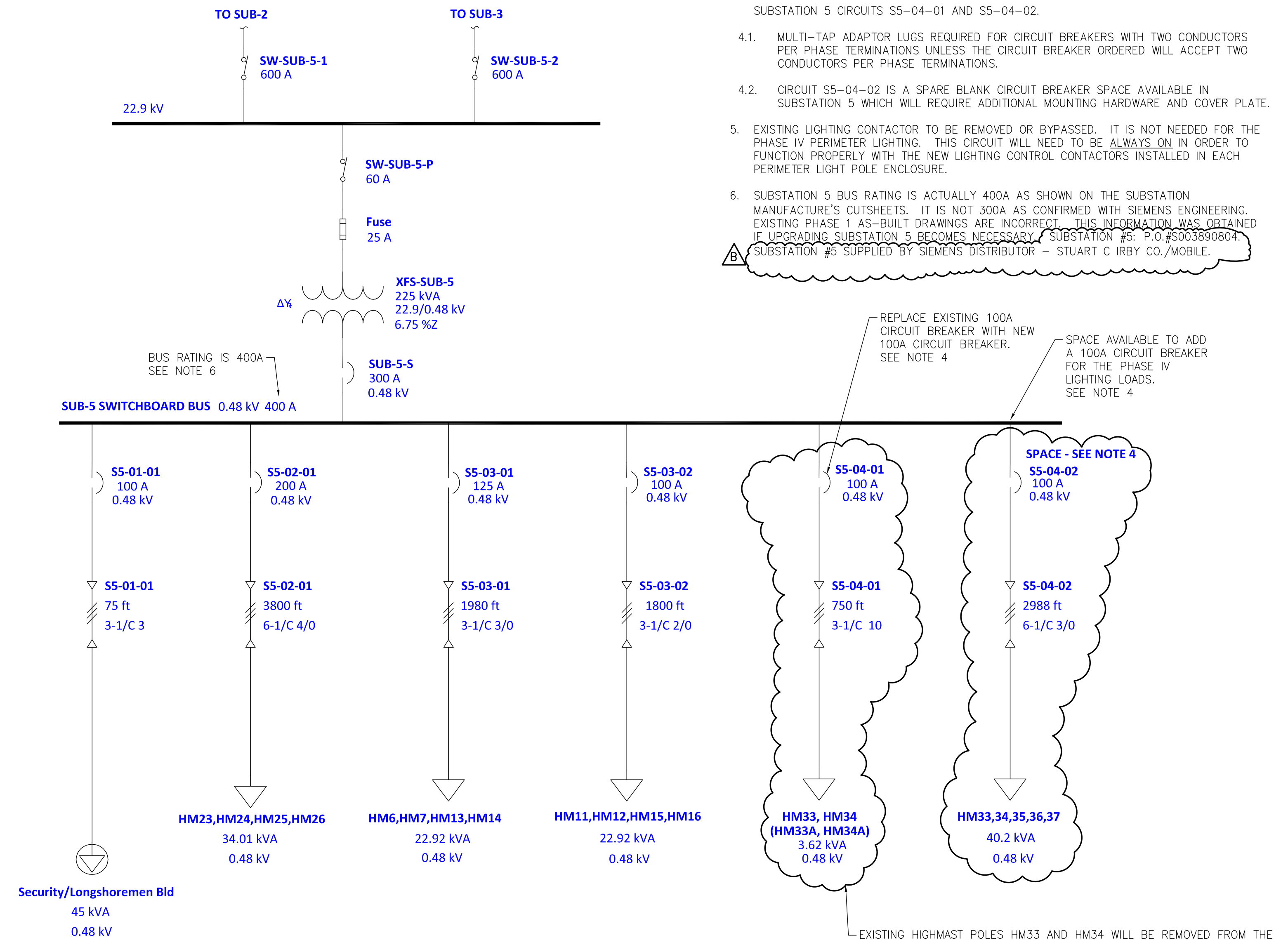
NO.	REVISION	DRAWN	CK'D	APPD	DATE
B	REVISED FOR BID -- ADDED MW-1 THRU MW-5 & PZ-13-D CIP SLAB	RST	MED	RSG	06/04/24
A	ISSUED FOR BID	WMB	MED	RSG	04/05/24

NOTES

- SEE DWG. 4484-E1 FOR ELECTRICAL GENERAL SCOPE OF WORK, GENERAL NOTES, LEGENDS AND ABBREVIATIONS. SEE DWG. 4484-G2 FOR THE ELECTRICAL DRAWING INDEX.
- CLOUDED AREA ON DRAWING REPRESENTS THE ELECTRICAL SCOPE OF WORK.
- CONFIRMED WITH SWITCHGEAR MANUFACTURE THAT THERE IS A SPACE AVAILABLE IN THE SUBSTATION 5 SWITCHBOARD TO ADD ONE ADDITIONAL 100A CIRCUIT BREAKER IN THE FUTURE.
- SIEMENS HEB3B100, 3 POLE, 100A, 0.6KV, 65KVA@480V (OR SIEMENS EQUIVALENT) CIRCUIT BREAKERS TO BE INSTALLED NEW IN THE FOLLOWING LOCATIONS:
 SUBSTATION 4 CIRCUITS S4-09-02 AND S4-10-02.
 SUBSTATION 5 CIRCUITS S5-04-01 AND S5-04-02.
- MULTI-TAP ADAPTOR LUGS REQUIRED FOR CIRCUIT BREAKERS WITH TWO CONDUCTORS PER PHASE TERMINATIONS UNLESS THE CIRCUIT BREAKER ORDERED WILL ACCEPT TWO CONDUCTORS PER PHASE TERMINATIONS.
- CIRCUIT S5-04-02 IS A SPARE BLANK CIRCUIT BREAKER SPACE AVAILABLE IN SUBSTATION 5 WHICH WILL REQUIRE ADDITIONAL MOUNTING HARDWARE AND COVER PLATE.
- EXISTING LIGHTING CONTACTOR TO BE REMOVED OR BYPASSED. IT IS NOT NEEDED FOR THE PHASE IV PERIMETER LIGHTING. THIS CIRCUIT WILL NEED TO BE ALWAYS ON IN ORDER TO FUNCTION PROPERLY WITH THE NEW LIGHTING CONTROL CONTACTORS INSTALLED IN EACH PERIMETER LIGHT POLE ENCLOSURE.
- SUBSTATION 5 BUS RATING IS ACTUALLY 400A AS SHOWN ON THE SUBSTATION MANUFACTURE'S CUTSHEETS. IT IS NOT 300A AS CONFIRMED WITH SIEMENS ENGINEERING. EXISTING PHASE 1 AS-BUILT DRAWINGS ARE INCORRECT. THIS INFORMATION WAS OBTAINED IF UPGRADING SUBSTATION 5 BECOMES NECESSARY. SUBSTATION #5: P.O.#5003890804. SUBSTATION #5 SUPPLIED BY SIEMENS DISTRIBUTOR - STUART C IRBY CO./MOBILE.



SUBSTATION 4 PARTIAL ONE LINE DIAGRAM



SUBSTATION 5 PARTIAL ONE LINE DIAGRAM



CLIENT DWG NO: 11261 - TASK 1

APMT PHASE IV YARD EXPANSION
 ELECTRICAL PARTIAL ONE LINE DIAGRAMS
 SUBSTATIONS 4 & 5 PHASE IV LIGHTING

FOR: ALABAMA PORT AUTHORITY

PROJECT NO: 4484

DWG NO: E7

REV: B



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DRAWN: WMB CK'D: MED APPD: RSG DATE: 02/21/23 SCALE: NONE

REFERENCE DRAWINGS

NO.

REVISION

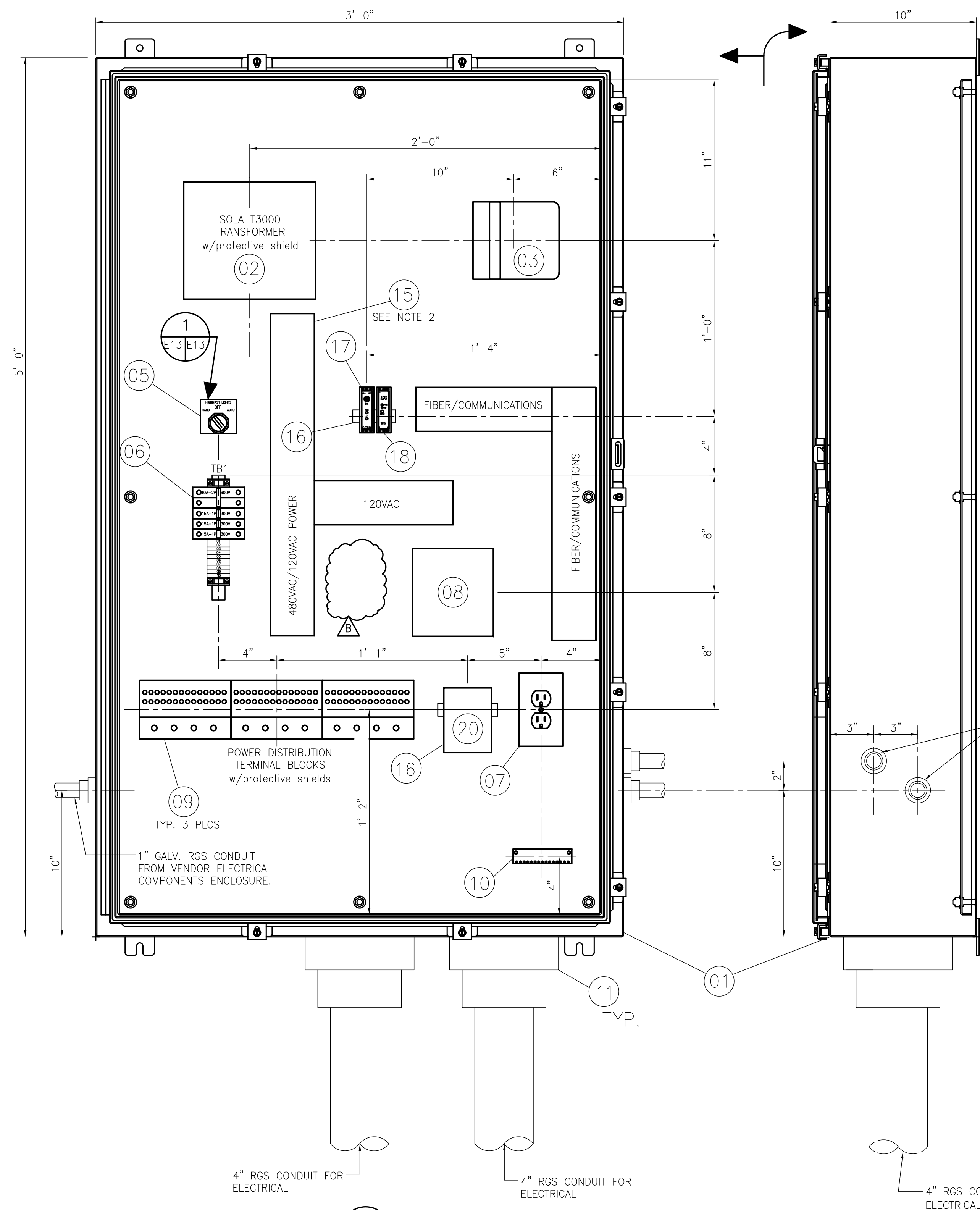
DRAWN

CK'D

APPD

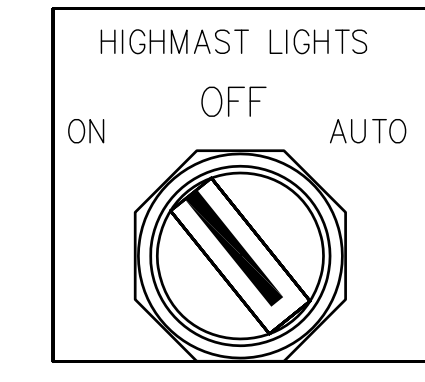
DATE

B	REVISED FOR BID - NOTES 4 AND 6	WMB	MED	RSG	06/05/24
A	ISSUED FOR BID	WMB	MED	RSG	04/05/24



NOTES:

- SEE DWG. 4484-G2 FOR THE ELECTRICAL DRAWING INDEX. SEE DWG. 4484-E1 FOR ELECTRICAL GENERAL SCOPE OF WORK, GENERAL NOTES, LEGENDS AND ABBREVIATIONS.
- PANDUIT OR APPROVED EQUAL PVC WIRING DUCT CABLE MANAGEMENT ORGANIZER SLOTTED WITH SNAP-ON COVERS SIZED FOR THE CABLE RUNS AND CABLE BUNDLES TO BE USED. SECURE TO CONTROL PANEL BACKPLATE WITH STAINLESS STEEL FASTENERS. LABEL "POWER" OR "FIBER/COMMUNICATIONS" WITH POWER RATING FOR EACH PANDUIT DUCT SYSTEM.
- ALL FIBER OPTIC CONNECTIONS AND DEVICES ASSOCIATED WITH THE NEW HIGH MAST LIGHTS SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR.
- LABEL THE PANEL, SWITCHES AND MAJOR COMPONENTS AS INDICATED ON THIS DRAWING WITH SELF ADHESIVE DURALABELS OR THE EQUIVALENT.
- SEE DRAWING 4484-E11 FOR LIGHTING CONTROL PANEL MOUNTING POSITIONS ON HIGH MAST POLE AND MINIMUM CLEARANCES PER NEC. MOUNT CENTER OF PANEL AT 48" AFF.



DETAIL
SCALE: NONE

LIST OF MATERIALS

MARK	DESCRIPTION
01	60"x36"x12" 316 STAINLESS STEEL NEMA 4X ENCLOSURE HOFFMAN MODEL, A60H3612SS6LP. W/ALUMINUM BACKPANEL A6036P.
02	3kVA OPEN TYPE TRANSFORMER 480V/120V SOLA, MODEL T3000 WITH PROTECTIVE SHIELD
03	FIBER OPTIC SPLITTER BOX - MANUFACTURED BY BLACK BOX.
04	(NOT USED)
05	THREE POSITION SELECTOR SWITCH MAINTAINED POSITION. (2) N.C. AND (2) N.O. CONTACTS, ALLEN BRADLEY MODEL 800T-J2B. WITH 800T-X-700E NAMEPLATE THAT READS AS SHOWN ON DRAWING.
06	TERMINAL BLOCK "TB1" CONSISTING OF: (1) 10A-2P, 480V CIRCUIT BREAKER - ALLEN BRADLEY MODEL 1492-SP-2-D-100. (3) 15A-1P CIRCUIT BREAKERS - ALLEN BRADLEY MODEL 1492-CB-1-H-100-N. (10) TERMINAL BLOCKS - ALLEN BRADLEY MODEL 1492-F1 TERMINAL MOUNTING RAIL - ALLEN BRADLEY 1492-N22 END BARRIER - ALLEN BRADLEY MODEL 1492-N18. END CLAMPS - ALLEN BRADLEY MODEL 1492-N2.
07	15A 120V, GFCI RECEPTACLE FLUSH MOUNTED INSIDE OF ENCLOSURES. PROVIDE ALUMINUM WEATHER PROOF COVER. SHALL NOT BE A GFCI TYPE IN COMMUNICATIONS ENCLOSURE.
08	30A-3P, OPEN TYPE ELECTRICALLY HELD LIGHTING CONTACTOR W/AUX. CONTACTS. 120V COIL. ALLEN BRADLEY MODEL 500FL-B0D93
09	POWER DISTRIBUTION BLOCKS - ILSCO TYPE PDBU CAT. NO. PDBU-428-500-1 W/PROTECTIVE SHIELD
10	GROUND BAR
11	GALV. RAIN TIGHT HUB TYPICAL
12	(NOT USED)
13	(NOT USED)
14	(NOT USED)
15	3"x3" PANDUIT WIRING DUCT WITH COVERS, SEE NOTE 2 THIS DRAWING
16	35 MM DIN RAIL, ALLEN BRADLEY CAT. NO. 199-DR1., AS REQUIRED
17	FIBER OPTIC RECEIVER FOR-CC-850-MM-ST
18	24V DC POWER SUPPLY, DIN RAIL MOUNTED. WEED INSTRUMENT PSM-CC-B
19	FIBER OPTIC CAMERA & SECURITY EQUIPMENT BY BLACK BOX. INSTALL IN COMM. ENCL. (BY OTHERS)
20	30A-3P CIRCUIT BREAKER ALLEN BRADLEY MODEL 1492-MC-BA330.
21	UNINTERRUPTIBLE POWER SUPPLY (UPS). INSTALL IN COMM. ENCL. (BY OTHERS)
22	FIBER OPTIC TRANSMITTER FOT-CC-850-MM-ST. INSTALL IN APMT SERVER ROOM
23	1M FIBER OPTIC CABLE. (SEE DWG. 4484-E21 PERIMETER LIGHTING AND CONTROL DIAGRAMS)
24	(NOT USED) B
25	COMMUNICATIONS ENCLOSURE, NEMA 4, HOFFMAN CAT# CSD363020 WITH BACK PANEL

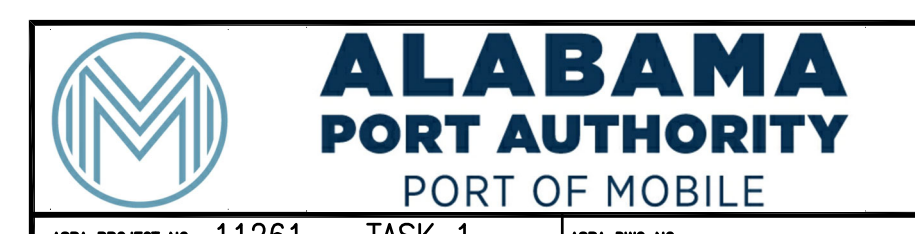
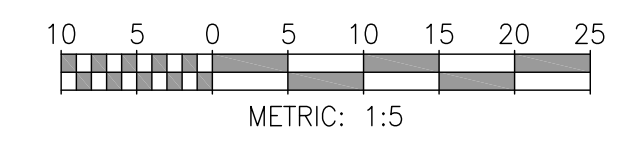
TWO 1" GALV. RGS CONDUITS FROM COMMUNICATIONS ENCLOSURE. SEE DWG. 4484-E11 FOR COMMUNICATIONS ENCLOSURE LOCATION AND DETAILS.

DETAIL
SCALE: 1:5

HIGHMAST LIGHT POLE CONTROL PANEL LAYOUT & DETAILS

NOTE:

ALL BOM ITEMS TO BE SUPPLIED BY CONTRACTOR UNLESS OTHERWISE NOTED.



ASPA PROJECT NO: 11261 - TASK 1 ASPA DWG NO:

APMT PHASE IV YARD EXPANSION
HIGHMAST LIGHTING CONTROL PANEL
TYPICAL LAYOUT AND FABRICATION DETAILS

FOR: ALABAMA PORT AUTHORITY

PROJECT NO: 4484 DWG NO: E12 REV: B



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NOTES	NO.	REVISION	DATE	DRAWN	CK'D	APPD
	B	REVISED FOR BID - LIST OF MATERIALS ITEMS 18 AND 24	06/05/24	WMB	MED	RSG
	A	ISSUED FOR BID	04/05/24	WMB	MED	RSG



PH IV Addendum 4

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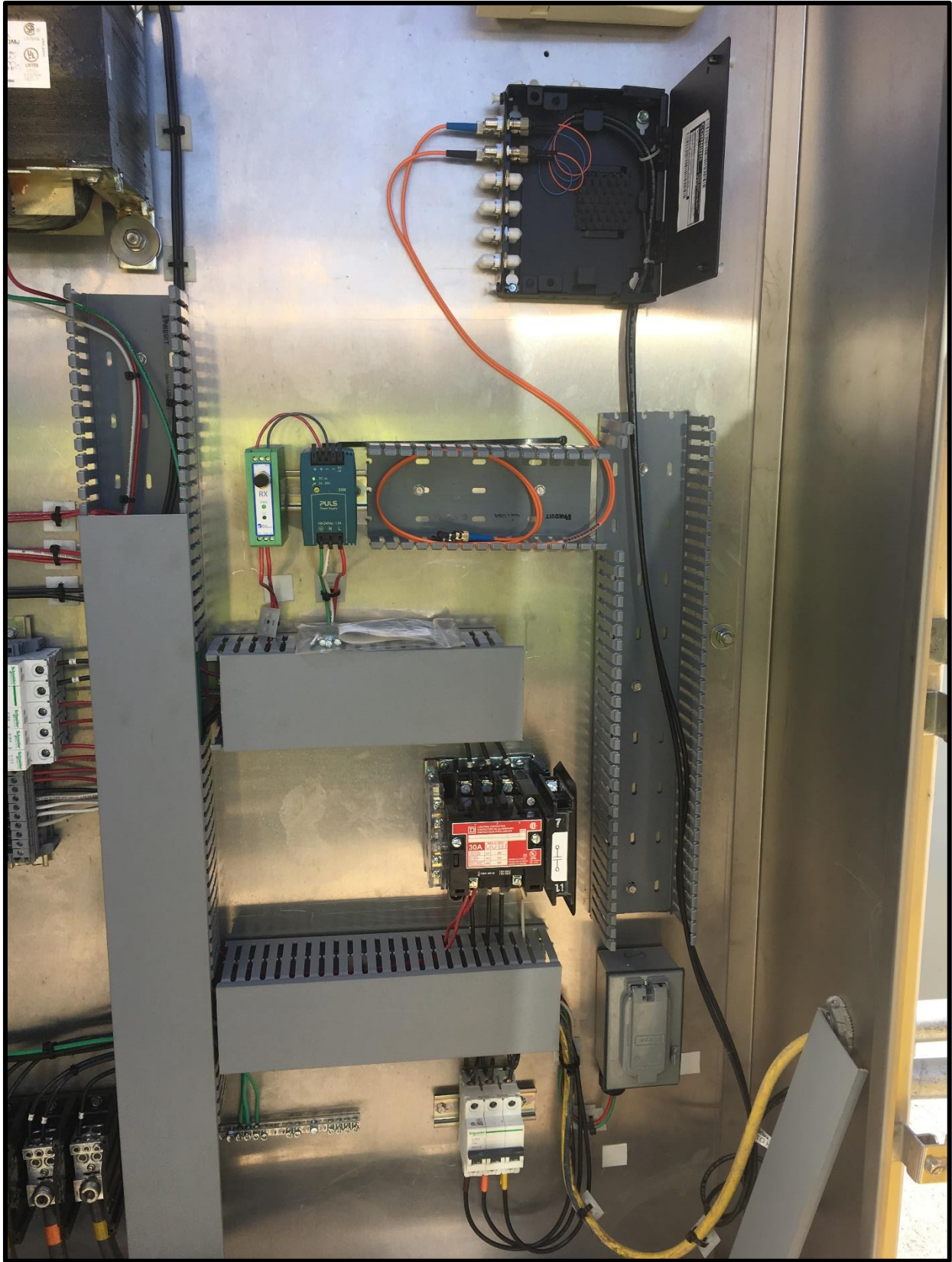


Figure 1 - Lighting Control Panel HM23-1



Figure 2 - Lighting Control Panel HM23-2

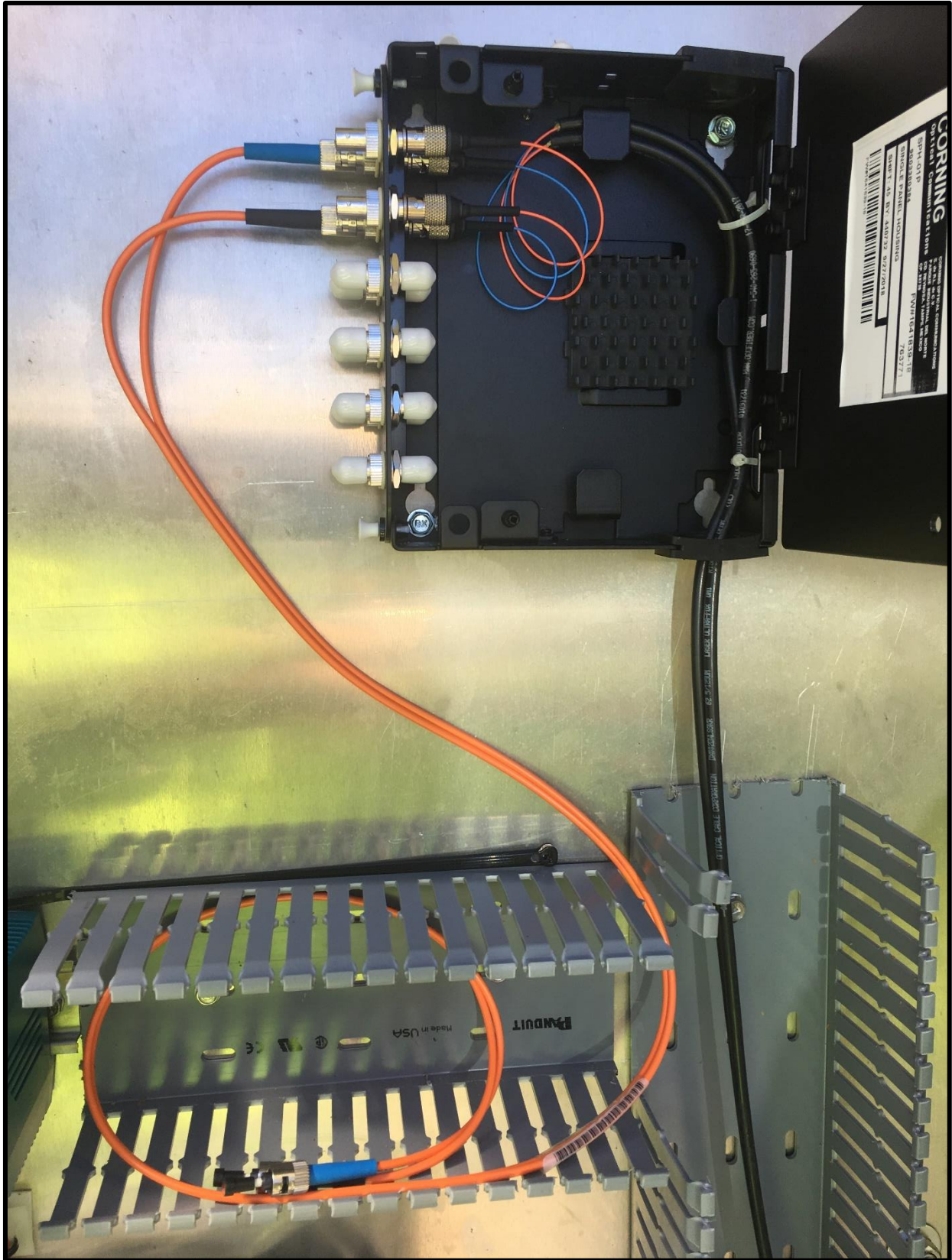


Figure 3 - Lighting Control Panel HM23-3



Figure 4 - Sub-4-1



Figure 5 - Sub-4-2



Figure 6 - Sub-4-3



Figure 7 - Sub-4-4



Figure 8 - Sub-4-5



Figure 9 - Sub-5



Figure 10 - Sub-5-2

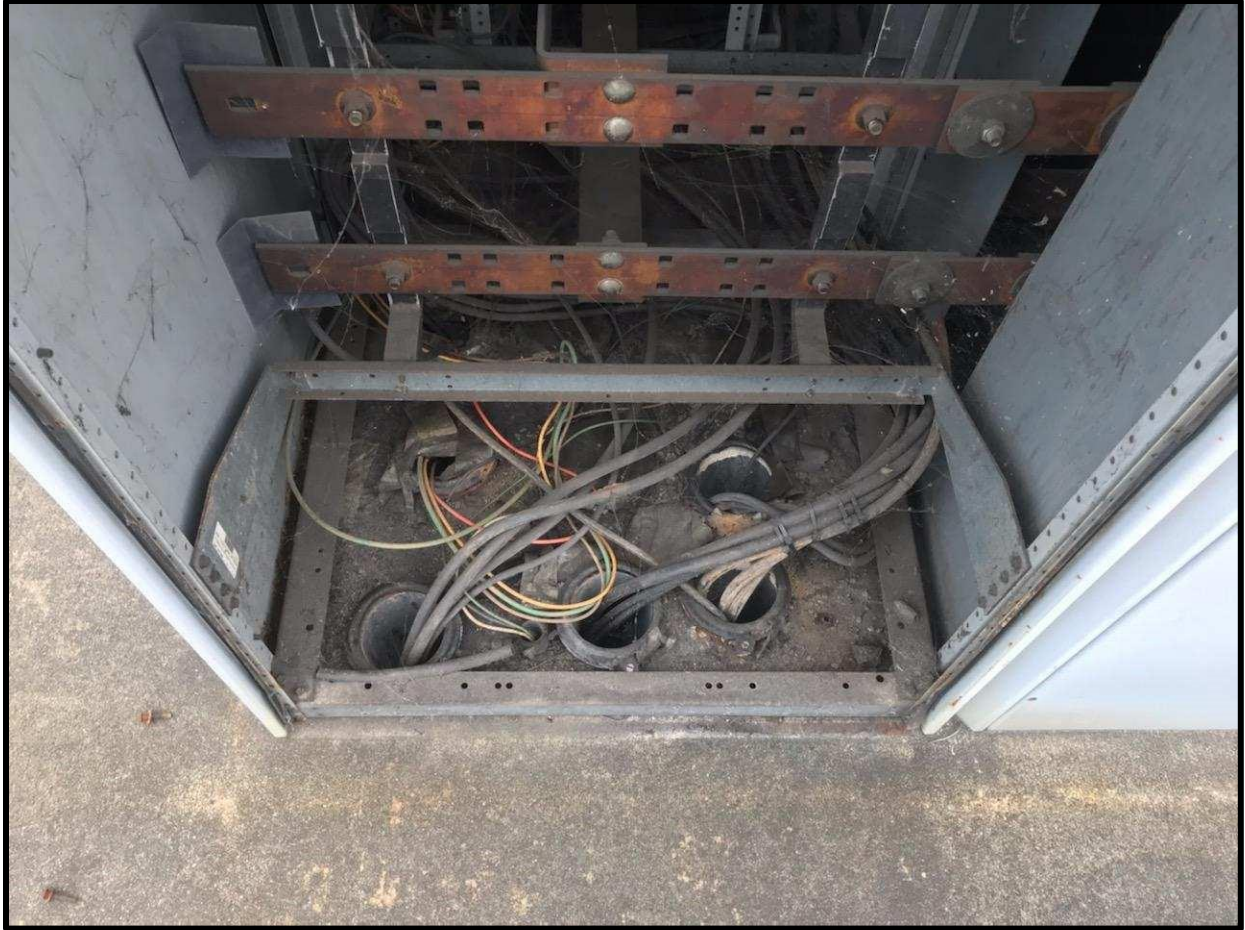


Figure 11 - Sub-5 Conduit Stub-Ups