

**EASTON DEPARTMENT OF PUBLIC WORKS
EASTON, MASSACHUSETTS**

**RED MILL ROAD WATER TREATMENT PLANT
CONTRACT DPW-2022-05**

ADDENDUM NO. 2

October 25, 2021

NOTICE TO ALL BIDDERS:

Sealed Bids from pre-qualified Subcontractors for the filed sub-bid categories designated herein will be received until **2:00 PM prevailing time on Wednesday, November 10, 2021** for the following filed sub-bids:

- Masonry
- Miscellaneous and Ornamental Iron
- Waterproofing, Damp Proofing and Caulking
- Painting
- Plumbing
- Heating, Ventilation and Air Conditioning
- Fire Protection
- Electrical Work

All filed sub-bids shall be submitted online at www.Projectdog.com and entitled “**[Filed Sub-bid Classification] Filed Sub-bid for the Red Mill Road Water Treatment Plant, Town of Easton, Massachusetts**” All electronic bids are compiled in real time upon bid close and published forthwith on ProjectDog. Official sub-bid tabulations shall be posted on ProjectDog.

Sealed Bids from pre-qualified General Bidders will be received until **2:00 p.m. prevailing time on Tuesday, November 23, 2021**. All bids shall be submitted online at www.Projectdog.com and entitled “**Red Mill Road Water Treatment Plant, Town of Easton, Massachusetts**” All electronic bids are compiled in real time upon bid close and published forthwith on ProjectDog. Official bid tabulations shall be posted on ProjectDog.

A non-mandatory pre-bid meeting was held at the project site, 12 Red Mill Road, Easton, MA 02375 on **October 13, 2021 at 10:00 a.m.**

The attention of all eligible bidders submitting bids for the above referenced project is called to the following Addendum to the drawings and specifications (Contract Documents). The items set forth herein, whether of omission, addition, substitution, or clarification, are all to be included in and form a part of the proposed work.

Any and all addenda shall be posted online at Projectdog.com. Each individual or firm recorded as having received the contract documents will be notified by email if and when addenda are issued. Hard copies of addenda will not be mailed or faxed to plan holders. It is the sole responsibility of the Bidder to review any and all addenda prior to the bid opening either online or at the offices of Projectdog, Inc.

If a bid is submitted prior to an Addendum being issued, the Bidder will receive an e-mail notification for informational purposes only. The Bidder must review the addendum, retract the bid, acknowledge all addenda, and re-submit the bid. If a Bidder fails to acknowledge all addenda their bid may be rejected by the Awarding Authority.

This Addendum addresses the following:

- *Specifications and Drawings*
- *Questions from Contractors and Answers*
- *Supplemental Information*

SPECIFICATIONS AND DRAWINGS

Make the following changes, revisions, additions, and/or deletions to the Contract Documents:

Specification 01046 – CONTROL OF WORK

- Under Paragraph 1.13 add the following:
“K. General Contractor shall coordinate with National Grid (NGRID) prior to any electrical trenching. General Contractor shall coordinate with NGRID for GRID to inspect the riser, encased conduit, heavy duty handhole, and transformer pad.”

Specification 01700 – CONTRACT CLOSEOUT

- Delete Paragraph 1.5-A.3 and replace with the following:
“3. Wipe surfaces of mechanical and electrical equipment. Remove excess lubrication and other substances. Clean plumbing fixtures to a sanitary condition and empty the septic tank. Clean light fixtures and lamps.”

Specification Section 02274 – GEOMEMBRANE LINER

- Under Paragraph 1.2-C.1. add the following:
“iii. A pre-construction meeting between the Geomembrane Installer, Contractor, and Engineer/Owner prior to beginning work to review the installation, testing, and inspection procedures.”
- Delete Paragraph 3.6-A.1. and replace with the following:
“1. Geomembrane Installer and Contractor shall perform trial seaming on-site on pieces of the geomembrane liner to verify adequate seaming methods and conditions in the presence of the Engineer.”
- Delete Paragraph 3.6-B.3. and replace with the following:
“1. Geomembrane Installer and Contractor shall repair each seam and non-seam area deficiencies.”

- Delete Paragraph 3.6-C.1. and replace with the following:
“1. The Geomembrane Installer and Contractor shall non-destructively test field seams over their full length using a vacuum test unit, air pressure (for double-fusion seams only), or other approved methods.”
- Delete Paragraph 3.8-B. and replace with the following:
“B. Geomembrane Installer and Contractor shall provide a written recommendation for method of repair to Engineer prior to initiating repair.”

Specification 11310 – VERTICAL TURBINE PUMPS

- Delete Paragraph 2.2-A.9. and replace with the following:
“To accommodate pump removal, pump column shall be fabricated in uniform interchangeable sections (10-feet long, maximum) and shall be connected by flanged and standard mounting hardware. Proper column sizing shall be the responsibility of the manufacturer. Refer to paragraph 1.4 for additional requirements.”
- Under Paragraph 2.2 add the following:
“E. Finished Water Pump column dimension (P-501A, P-501B)
1. The bottom of the suction bell and strainer shall be set a distance off the sump floor equal to 1/2 the suction bell diameter and per Hydraulic Institute Standards.”
- Delete Paragraph 2.3 and replace with the following:
“2.3 PUMP BOWL ASSEMBLY
A. General
1. The bowl assembly shall consist of two sections, the diffuser, and the suction bell. Each section shall be flanged.
2. Bowl bearings shall be encased in an easily removable and replaceable cartridge or shall be press fit. The discharge bowl shall be constructed of cast iron in accordance with ASTM Designation A48, Class 30. Bowls shall be free from blow holes or other imperfections. The diffuser vanes shall be designed with ample clearance and rounded contours to allow passage of solids. Bowl bearings shall be bronze. The suction bell shall be cast iron and designed to mate with the impeller wear ring.
3. Upper and lower bronze (C89835) bearings shall maintain alignment of the shaft through the bowl.”
- Delete Paragraph 2.4-C.1. and replace with the following:
“1. Impellers shall be fabricated from 316 stainless steel.”

- Delete Paragraph 2.5-C. and replace with the following:
“C. Materials:
1. Impeller wear rings shall be fabricated from aluminum bronze (C95400).
2. Bowl wear rings shall be fabricated from nickel aluminum bronze (C95500).”
- Insert Paragraph 2.14:
“2.14 Finished Water Pump Strainers (P-501A, P-501B)
A. Basket type suction strainer shall be constructed of 316 stainless steel. The strainer slot size shall be as recommended by the pump manufacturer and per Hydraulic Institute Standards. The basket strainer and installation materials shall be rated for drinking water applications.
B. Flow conditioning strainer shall be a combination suction strainer with vortex suppressor and shall be furnished with each finished water pump. The vortex suppressor shall be mounted internally within the basket type suction strainer and shall consist of a minimum of four vanes (two and three vane designs are not acceptable) which match the vanes extending from the suction bell of the pump. The vortex suppressor shall be designed to equalize the suction velocity across the impeller eye without restricting flow to the pump. The entire unit shall be constructed of Type 316 stainless steel.”

Specification 16442 – PANELBOARDS

- Under Paragraph 1.3-B. add the following:
“7. Metering”
- Insert Paragraph 2.4:
“2.4 DIGITAL POWER MULTIMETER
A. Main Distribution panelboard shall be metered with a digital power multimeter.
B. Digital Power Meter
1. Digital power meter shall be true RMS type power monitor with features to data log (30 days) and communicate remotely the AC amperes on each phase, voltage, harmonic distortion, watts, volt amperes, bars, power factor, frequency, demand watts, demand volt ampere and watt hours; and capable of providing alarm status for phase loss, phase on balance, phase reversal and provides all data to remote monitoring systems.
2. The power meter shall communicate using Modbus RTU via a RS-485 port and Ethernet protocol via a RJ-45 port and be able connect to any host devices.
C. Provide small control wiring, necessary fuse blocks, suitable numbering strips and terminal blocks as required
D. Provide current transformers for each meter. Current transformers shall be wired to shorting type terminal blocks. All transformers used for metering shall meet the requirements of IEEE C12.11 and IEEE C57.13.”

Specification 16612 - ENGINE GENERATOR

- In Paragraph 1.6-I. replace the words “indoors” with “*within the outdoor generator enclosure*”.

Sheet C-7

- Add Note 12:
“12. General Contractor shall coordinate with National Grid (NGRID) prior to any electrical trenching. General Contractor shall coordinate with NGRID for GRID to inspect the riser, encased conduit, heavy duty handhole, and transformer pad.”

Sheet A-7

- Delete callout for Building Sections 1 & 2 “GROUND-FACED CMU BASE – BY MASONRY FSB (TYP.)” and replace with the following:
“SPLIT-FACE CMU BASE – BY MASONRY FSB (TYP.)”

Sheet A-12

- Delete callout for Typical Exterior Wall Section 1 “GROUND-FACED CMU VENEER BASE – BY MASONRY FSB (TYP.)” and replace with the following:
“SPLIT-FACE CMU VENEER BASE – BY MASONRY FSB (TYP.)”
- Delete callout for Typical Exterior Wall Section 2 “GROUND-FACED CMU VENEER BASE – BY MASONRY FSB (TYP.)” and replace with the following:
“SPLIT-FACE CMU VENEER BASE – BY MASONRY FSB (TYP.)”

Sheet E-9

- Add a “P23” power cable/conduit reference tag to the homerun associated with the refrigerant sensor near Column Line 3 next to the filter room door.
- Move the motorized damper with homerun to EF-3, located on Column Line 8, north to the EF-3 location.

QUESTIONS AND ANSWERS

Question 1: Specifications are calling for Split Face Veneer Units. Drawings are showing Split Face but noting Ground Face Units. Please confirm the Pattern and Texture of the Veneer CMU.

Answer 1: Refer to Addendum No. 2.

Question 2: We are a HVAC Mechanical contractor looking to bid the above referenced project, could you tell me if this was a RFQ project?

Answer 2: The Owner completed a filed sub-bid contractor and general contractor pre-qualification process, as required by Massachusetts bid laws for projects valued over \$10 million, in August 2021. Bidding is restricted to pre-qualified filed sub-bid contractors and pre-qualified general contractors.

Question 3: On drawing E5, symbol 233 and 254 is not shown on the power cable/conduit schedule.

Answer 3: Refer to Addendum No. 1.

Question 4: With reference to the Easton WTP project, there is no place on ProjectDog to upload the Update Statement. Will this be needed for the bid?

Answer 4: Refer to Addendum No. 1.

Question 5: Please reference drawings A-1, S-1, and section 12 on S-5. On the plan view drawings, it appears that the structural steel columns at grid intersections B-1 and C-1 will interfere with the CMU wall and will require a 'box out' of some kind around the steel. Section 12 on S-5 appears to show the steel columns starting outside of the wall, but growing in size to eventually intersect the wall at some height. Please confirm at what height the steel will intersect the wall and a 'box out' will be needed. Also, please provide a detail on what this 'box out' should involve, such as 4" CMU block run in place of 8".

Answer 5: Refer to Attachment 3.

Question 6: I started to take off the Easton project. I may be losing it, but the scale appears to be wrong on most if not all of the drawings. I checked the line that is 1", so I know my printer didn't mess them up. Take a look and see if you agree.

Answer 6: The drawings are to scale. When printing plans, be sure to print to the "actual size" of the PDF.

Question 7: Regarding Specification Section 11310-2.3-A.2, confirm if suction bell wear ring (410 S.S.) is to be different than bowl wear rings (C954 per Specification Section 11310-2.3-A.3)?

Answer 7: Refer to Addendum No. 2.

Question 8: Regarding Specification Section 11310, confirm pump lengths for each service (or advise which drawings contain this information).

Answer 8: Refer to Drawing C-16 for the vertical turbine pump column lengths at each well station. Refer to S-2 for sump elevation associated with the finished water vertical turbine pumps.

Question 9: Regarding Specification Section 11310, please confirm factory performance test requirement (page 4 through 6). Appears shop VFD is okay, but confirm if complete pump test or bowl test is required (and if test stand lab motor is acceptable).

Answer 9: Per Paragraph 1.6-H.1.ii. of Section 11310 – Vertical Turbine Pumps, project motors may be tested at the motor manufacturer’s facility. The vendor shall meet the factory testing requirements described in Section 11310 – Vertical Turbine Pumps, Paragraph 1.6-H.3.

Question 10: Regarding Specification Section 11310, please advise if strainers are required. Specification does not indicate, but drawings are showing them.

Answer 10: Refer to Addendum No. 2.

Question 11: Specification Section 11201-10.2.4-A.03 mentions that the tanks are supposed to have four steel I-beam legs. Drawing M-11 shows four I beam legs in the drawing placed under the tank head. The loads on the tank head do not permit four I beam style legs arranged in this fashion. Would it be acceptable to attach the legs to the side shell or replace the four I beam legs with six (6) built-up plate legs?

Answer 11: This question was redacted.

Question 12: Is the plan to build the building around the filter vessel? These filters probably won’t fit in through that door.

Answer 12: The means and methods of construction shall be dictated by the General Contractor.

Question 13: How frequently do the PFAS area panels need to be removed?

Answer 13: Refer to Answer 9 from Addendum No. 1.

Question 14: Will the Town be able to take any extra material from the site work?

Answer 14: General Contractor shall coordinate with the Owner/Engineer during construction. Approval will depend on the quantity and quality of the material.

Question 15: I was reaching out because I heard you may be working on the Red Mill Road Water Treatment Plant project. Are you in charge of specifying the projects Div 27 specs or do you have a contact who is?

Answer 15: The fiber optic network for the WTP and well stations will be provided by Phoenix Communications as described in the Contract Documents.

Question 16: “Project Reference List”. Would this be considered SECTION H of the form for Filed Sub-Bid? The Filed Sub-Bid form itself references the requirement as “Completed and signed Bid Proposal and Project Reference List (Section 00301)” as a combined line item. Yet Project Dog, see below, lists it as a separate form. Please clarify if a separate form is required.

05001 MISCELLANEOUS AND ORNAMENTAL IRON Sub E-Bid
 You will not be able to Submit your bid unless all mandatory fields are complete. Please allow yourself sufficient time to upload all information. You will receive an automated email once completed. Please save this for your records.
 "Text fields allow 300 characters only"
 Red Mill Road Water Treatment Plant, Project #846094

Acknowledge Addendum 0,1,	<input type="radio"/> Yes <input type="radio"/> No
Bid Price (All inclusive contract sum)	<input style="width: 150px;" type="text" value=".00"/>
Bidders excluded from using this bid: (Optional)	<input style="width: 300px;" type="text"/>
Bid restricted to: (Optional)	<input style="width: 300px;" type="text"/>
FORM FOR SUB-BID	Add File -
Project Reference List	Add File -
Bid Security (Bid Bond)	Add File -
DCAMM Certificate of Eligibility	Add File -
Evidence of Authority...	Add File -
Form of Non-Collusive Affidavit	Add File -
Certificate of Corporate Vote	Add File -
Certificate as to Payment of State Taxes	Add File -
Certificate of OSHA 10 Hour Training	Add File -
DCAMM Update Statement (Cover)	Add File -
DCAMM Update Statement (Parts 1-7) (PRIVATE)	Add File -

Answer 16: Please upload a separate Project Reference List to ProjectDog.

Question 17: “Evidence of Authority”. The Bid Form references this as “Evidence of authority to do business in the state or jurisdiction of the Project; or a written covenant to obtain such license within the time frame for acceptance of Bids”. Could you clarify what document is required for this evidence? Would a corporate annual report suffice?

Answer 17: Certificate of Good standing issued by the Commonwealth of Massachusetts and/or a valid DCAMM update statement will satisfy the Evidence of Authority to do Business in the State.

Question 18: Could you provide a sign in sheet from the pre bid meeting for the project listed above?

Answer 18: Refer to Addendum No. 2.

Question 19: Our bid shall be prepared in accordance with the Massachusetts public bidding laws. We understand the Massachusetts public bidding laws, and applicable decisions from the Bid Protest Unit of the Massachusetts Attorney General's Office, require all of the electrical work and materials included in the bid to be contained entirely, and described clearly, within the written electrical specifications. We understand that bidders also are responsible for the work and materials shown on the electrical drawings to the extent that work and those materials also are described and defined in the electrical specifications. We also understand that electrical work may be contained in drawings outside the electrical drawings provided the work is described in the electrical specifications and there is a clear reference to the affected drawings in the electrical specifications.

Please confirm we are correct in our understanding that work and materials described in non-electrical specifications or shown on non-electrical drawings, without also being described and listed in the electrical specifications, is for coordination purposes only and shall not be part of the electrical contractor's bid for this project.

Answer 19: Refer to 16001, Paragraph D. All drawings listed show the work of the filed sub-bid in part, in full, or for coordination purposes.

Question 20: Please advise if Owner or Contractor/CM will buy the builder's risk property insurance for this project.

Answer 20: Refer to Specification Section 00100 – Instructions to Bidders, Paragraph 21 – Bonding and Insurance.

Question 21: Also, can you confirm that trade contractors/subcontractors of all tiers will be names insureds under the policy per wide spread industry practice?

Answer 21: Refer to Specification Section 00800 – Supplemental Conditions, Article 6 – Bonds and Insurance.

Question 22: Finally, can you tell us what the basic deductible will be under the policy and who will be required to pay it if an accident happens – 1) Owner, 2) Contractor/CM, 3) Trade Contractor/Subcontractor?

Answer 22: Refer to Specification Section 00800 – Supplemental Conditions, Article 6 – Bonds and Insurance.

SUPPLEMENTAL INFORMATION

Attachment 1 – Pre-Bid Meeting Minutes and Sign-In Sheet

Attachment 2 – Revised Contract Drawings (Sheets E-3 and E-27)

Attachment 3 – Column Location Plan Details SK-1 and SK-2

END OF ADDENDUM NO. 2

**EASTON DEPARTMENT OF PUBLIC WORKS
EASTON, MASSACHUSETTS
RED MILL ROAD WATER TREATMENT PLANT
CONTRACT DPW-2022-05**

ADDENDUM NO. 2

ATTACHMENT 1

MEETING MINUTES

Date: October 13, 2021 at 10:00 AM

Location: 12 Red Mill Road, Easton, MA 02375

Meeting Title: Pre-Bid Meeting

Topic: Red Mill Road Water Treatment Plant
Town of Easton, MA
Contract No. DPW-2022-05

Prepared By: Grace Ronca

Attendants: Ryan Trahan, PE – Environmental Partners
Alston Potts, PE – Environmental Partners
Grace Ronca – Environmental Partners
Ben Levesque, PE – Tighe & Bond
Hayden Brown – R.H. White Construction Company
Tim Magliaro – R.H. White Construction Company
Derek Martineau – Waterline Industries
Joe Carlon – P.A. Landers
David Smith – P.A. Landers
Michael Cook – Kalwall
Rich Hammel – NSI Contracting
Jim Ramos – Hart Engineering
Shane Ramos – Hart Engineering
Rod Brown – Pride Environmental
Ken Vogel – WES Construction Corporation

A pre-bid meeting was held at the above indicated date and time at the location of the proposed Red Mill Road Water Treatment Plant. A meeting agenda was passed out to all attendees. After making introductions, Alston Potts began the meeting. To date, one addenda has been issued for this project.

I. General Project Overview

1. The Work under this Contract includes, but is not necessarily limited to the construction of the Red Mill Road Water Treatment Plant (WTP) and modifications to Well Stations 3, 5, and 7.
2. The Red Mill Road WTP shall include:
 - a. Civil/site
 - b. Architectural and structural
 - c. Process mechanical
 - d. HVAC
 - e. Plumbing
 - f. Fire protection
 - g. Electrical
 - h. Instrumentation and controls
3. Modifications to Well Station 3 shall include:
 - a. Architectural
 - b. Process mechanical
 - c. Electrical
 - d. Instrumentation and controls
4. Modifications to Well Station 5 shall include:
 - a. Civil/site
 - b. Process mechanical
 - c. Plumbing
 - d. Electrical
 - e. Instrumentation and controls
5. Modifications to Well Station 7 shall include:
 - a. Process mechanical
 - b. Electrical
 - c. Instrumentation and controls
6. Work to be performed by Others includes:
 - a. Fiber optic wire between Well Stations, WTP, and Town network.
 - b. Programming and integration of PLCs, OITs, and HMIs by the Application Engineer (*Woodard & Curran*).
 - c. Natural gas main work.
 - d. Electrical utility work.
 - e. Note: Coordination between the General Contractor and the third-party entities includes, but is not limited to, scheduling and on-site equipment management.
7. The project shall include furnishing all labor, services, equipment, materials, devices, plant, facilities, and appurtenances for the demolition, removal, and disposal of select existing structures, materials, equipment, and facilities; and the installation of new materials, equipment, and facilities required to provide complete and operational water treatment plant and well stations in compliance with the MassDEP Drinking Water Standards.
 - a. Coordination of all construction activities with the appropriate local and State Authorities, utilities, trades and subcontractors.

- b. Submission of a construction schedule, sequence of construction, list of subcontractors, and proposed source locations for off-site materials, including, but not limited to: vegetative layer and additive(s), structural fill, sand and gravel, crushed stone, stone, processed gravel, concrete, and asphalt pavement.
- c. Submission of all required shop, working, interference, and record drawings, in a timely manner, to the Engineer, for review. Submission of Stormwater Pollution Prevention Plan (SWPPP). Submission of health and safety plan. Submission of drone site photographs. Submission of interference drawings.
 - i. *Note: Interference drawings are of particular importance due to the large coordination effort between the General Contractor, subcontractors, third-parties, and the Town of Easton regarding the several disciplines that make up this project.*
- d. Perform all field engineering associated with the project work including, but not limited to: construction layout and elevations and preparation of an as-built CADD and PDF site plan at the completion of the project.
- e. Mobilization to the Site and Demobilization from the Site.
- f. Providing temporary facilities, including a field office/trailer.
- g. Select demolition.
- h. Hazardous waste abatement at each of the well stations. The General Contractor shall be solely responsible for all hazardous waste abatement. The General Contractor shall be solely responsible for proper disposal of all hazardous waste, including roofing debris. The General Contractor shall coordinate all work with filed sub bidders.
 - i. *Note: Hazardous waste abatement is particularly important at Well Station 3, which has the most modifications of the three well stations in this project.*
- i. Providing site security, temporary fencing, and other construction site control measures, as needed.
 - i. *Note: Residents near the project site use the walking trails around the property, so site security and safety is critical.*
- j. Protection of existing on-site structures and coordination with on-going Owner operations.
- k. On-site and laboratory testing, as specified.
- l. Civil/site construction including, but not limited to: erosion control; site preparation; grubbing; grading; excavation; earthwork; temporary excavation support systems; dewatering; paving; utilities including water, septic, electric, and gas; fiber optic trenching and backfilling; antenna tower; yard piping and valves; manholes; thrust blocks; plantings and landscaping; drainage improvements; lagoons; loam and seed; chain link fencing; and disinfection of water systems.
 - i. *Note: This project includes the installation of a generator at Well 5.*
- m. Architectural and structural construction of water treatment plant. Work includes cast-in-place concrete; masonry; metal building system; metals; woodwork and carpentry; roofing; fiberglass grating, stairs, and railings; damproofing; waterproofing; air/vapor barrier and insulation; steel and fiberglass doors; overhead coiling door; louvers; finishes; lifting beam and hoisting trolley; and signage.

- i. *This project includes a subgrade clearwell and a depressed chemical feed area.*
 - ii. *The main WTP building is a pre-engineered metal building.*
 - n. Process mechanical construction of mechanical process equipment and appurtenances including: pumps, chemical storage tanks, chemical feed systems, iron and manganese filtration system, gates, control valves, air scour blower, sample sink drain, sample sink fixtures, and various associated process piping, valves, and appurtenances. The work includes coordination, start-up, check-out, field testing, and O&M training of the mechanical process equipment.
 - i. *Note: The filters in this project are Greensand filters.*
 - ii. *There is an area of the WTP with room for future PFAS treatment vessels and equipment.*
 - o. HVAC construction including: unit heaters; heat pump; thermostats; air separator; dampers; air handling units; dehumidifier; condensing units; fume hood; ductwork; insulation; fans; louvers; HVAC instrumentation and controls; and HVAC systems testing, adjusting, and balancing. HVAC coordination drawings shall be provided for final coordination of installation and maintenance clearances of all systems and equipment with Architectural, Structural, Mechanical, Plumbing, Fire Protection, Electrical and other work.
 - p. Plumbing construction including: emergency shower/eye wash stations; plumbing for water, gas, and septic; plumbing fixtures and equipment; drains; insulation; water heaters; pumps; backflow preventers; hose bibs; sink; toilet; vaporizer; and propane tanks.
 - q. Fire protection system including: automatic wet pipe fire suppression sprinkler system. Coordination with Town of Easton Fire Department including the submission of the NFPA 241 plan.
 - r. Electrical construction including: lighting; communications including fiber optic; fire alarm system; chemical alarm system; security system; motor control center; panel boards; power panels; variable frequency drives; stand-by generators; automatic transfer switch; motor starters; lightning protection systems; interior and exterior conduit and wiring; and testing.
 - s. Coordination with work completed by Others.
 - t. Instrumentation and controls construction including: instrumentation and controls hardware and products such as flow instruments, pressure instruments, level instruments, and temperature instruments; control panels; and SCADA system. The work includes coordination meetings, start-up, check-out, field testing, and O&M training of the instrumentation and controls systems. Coordination with work completed by Application Engineer.
 - u. Obtaining necessary permits and licenses, complying with and maintaining all items required by applicable permits, and payment of fees.
- 8. Filed Sub-Bids include the following:
 - a. Masonry
 - b. Miscellaneous and Ornamental Iron
 - c. Waterproofing, Damp Proofing and Caulking
 - d. Painting

- e. Plumbing
- f. Heating, Ventilation and Air Conditioning
- g. Fire Protection
- h. Electrical Work

II. Bidding and Project Schedule

- All **pre-qualified** filed sub-bids and general bids shall be submitted online at www.Projectdog.com. **Hard copy bids will not be accepted by the Town of Easton.** See Section 00100.1 Supplemental Instructions to Bidders for Electronic Bid Projects by Projectdog for more information. **Note the change in dates, as provided in Addendum No. 1.**
 - Filed sub-bids shall be titled “**[Filed Sub-bid Classification] Filed Sub-Bid for the Red Mill Road Water Treatment Plant, Town of Easton, Massachusetts**”
 - Filed sub-bids will be received until **2:00 p.m. prevailing time on Wednesday, November 10, 2021**
 - General bids shall be titled “**Red Mill Road Water Treatment Plant, Town of Easton, Massachusetts**”
 - General bids will be received until **2:00 p.m. prevailing time on Tuesday, November 23, 2021**
- Construction must be complete within **610** calendar days from and including issuance of a notice to proceed, and/or receipt of a fully executed contract. All proposed work at the well stations shall be sequenced as described in the Contract Drawings.
 - Shutdown of Well Station 3 and the construction of the Water Treatment Plant shall be permitted for **550** calendar days only.
 - Work at Well Station 5 shall be completed within **30** calendar days only following the substantial completion of the Water Treatment Plant.
 - Work at Well Station 7 shall be completed within **30** calendar days only following the substantial completion of Well Station 5.
 - *Note: The sequencing described in the Contract Drawings is required to allow the well stations to continue providing water during the duration of the project construction.*

III. Questions

- Submit questions in writing to Dave Patangia, PE, Environmental Partners at dnp@envpartners.com. No interpretation of the meaning of the Drawings, Specifications, or other pre-bid documents will be made to any Bidder orally.
 - Questions in relation to filed sub-bid work must be received by the close of business (4 PM) **at least seven (7) calendar days prior** to the date fixed for the opening of filed sub-bids.
 - Questions in relation to general bid work must be received by the close of business (4 PM) **at least seven (7) calendar days prior** to the date fixed for the opening of general bids.

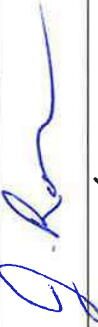


IV. Site Walk

Following the discussion, the meeting attendees walked the site including Well Stations 3, 5, and 7.

PRE-BID MEETING SIGN-IN SHEET

Town of Easton, MA
Red Mill Road Water Treatment Plant

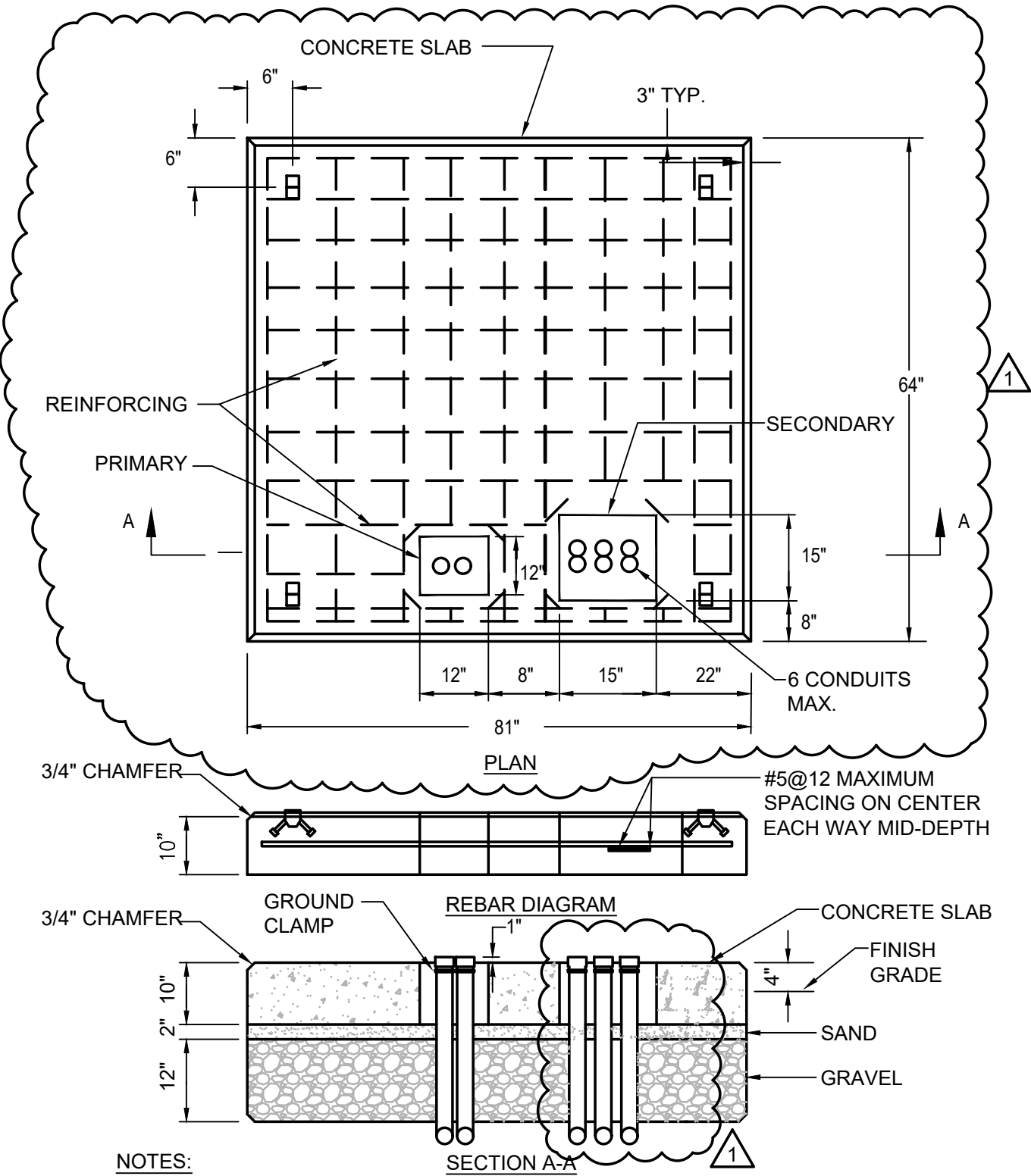
Name	Company	Signature	Email	Phone
HAYDEN BROWN	R.H. WHITE CONST. CO.		HBrown@RHWhite.com	508 832 3295
TIM MAGLIARO	11		TMagliaro@RHWhite.com	11
Derek Martinez	Waterline Industries		dsm@waterlineindust.com	603-474-7477
Joe Culan	P.A. Landers		jculan@palanders.com	339-613-7177
DAVID SMITH	P.A. Landers		dsm@palanders.com	(508)209-1688
Michael Cook	Kalnall		MCooke@kalnall.com	617 895 8218
Ben Levesque	Triple B Bid		brlevesque@triplebid.com	771-331 5485

Name	Company	Signature	Email	Phone
RICH HANDEL	NSI CONTRACTING		richensicontracting.com	508-242-2809
JIM RAMOS <small>SHANE RAMOS</small>	HART ENGINEERING		JRAMOS@HARTCOMMANAGEMENT.COM	401-658-4600
ROD KLOWN	NSI CONTRACTING		rod.klon@nsicontracting.com	508-880-6009
KEN VOGEL	WES CONSTRUCTION CORP.		KVOGEL@WESCONSTRUCTIONCORP.COM	508-328-3895
Ryan Trahan	Environmental Partners			
Alston Potts	Environmental Partners		awp@envpartners.com	617.657.0292
Grace Ronca	Environmental Partners		gar@envpartners.com	617.657.0969

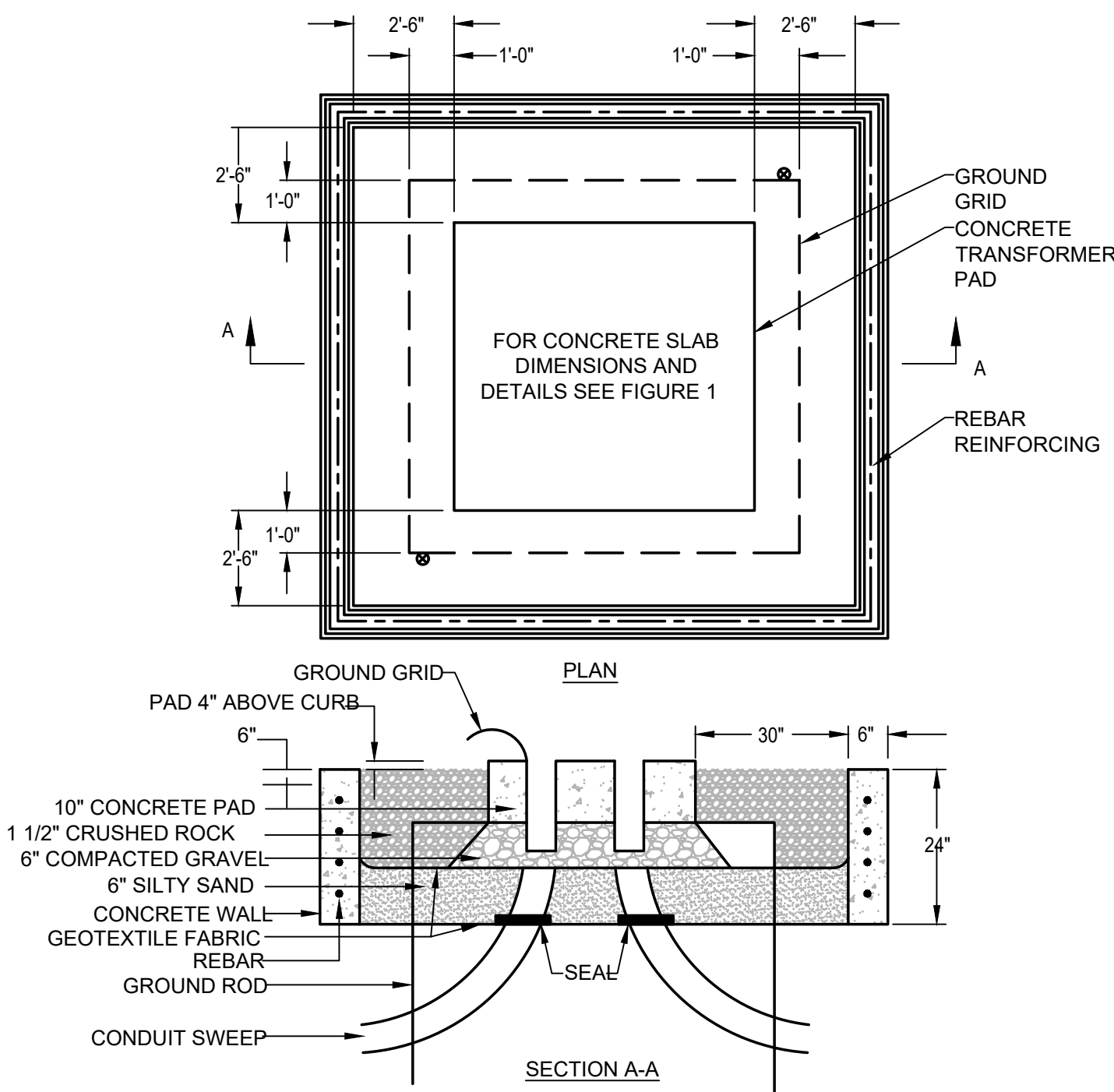
**EASTON DEPARTMENT OF PUBLIC WORKS
EASTON, MASSACHUSETTS
RED MILL ROAD WATER TREATMENT PLANT
CONTRACT DPW-2022-05**

ADDENDUM NO. 2

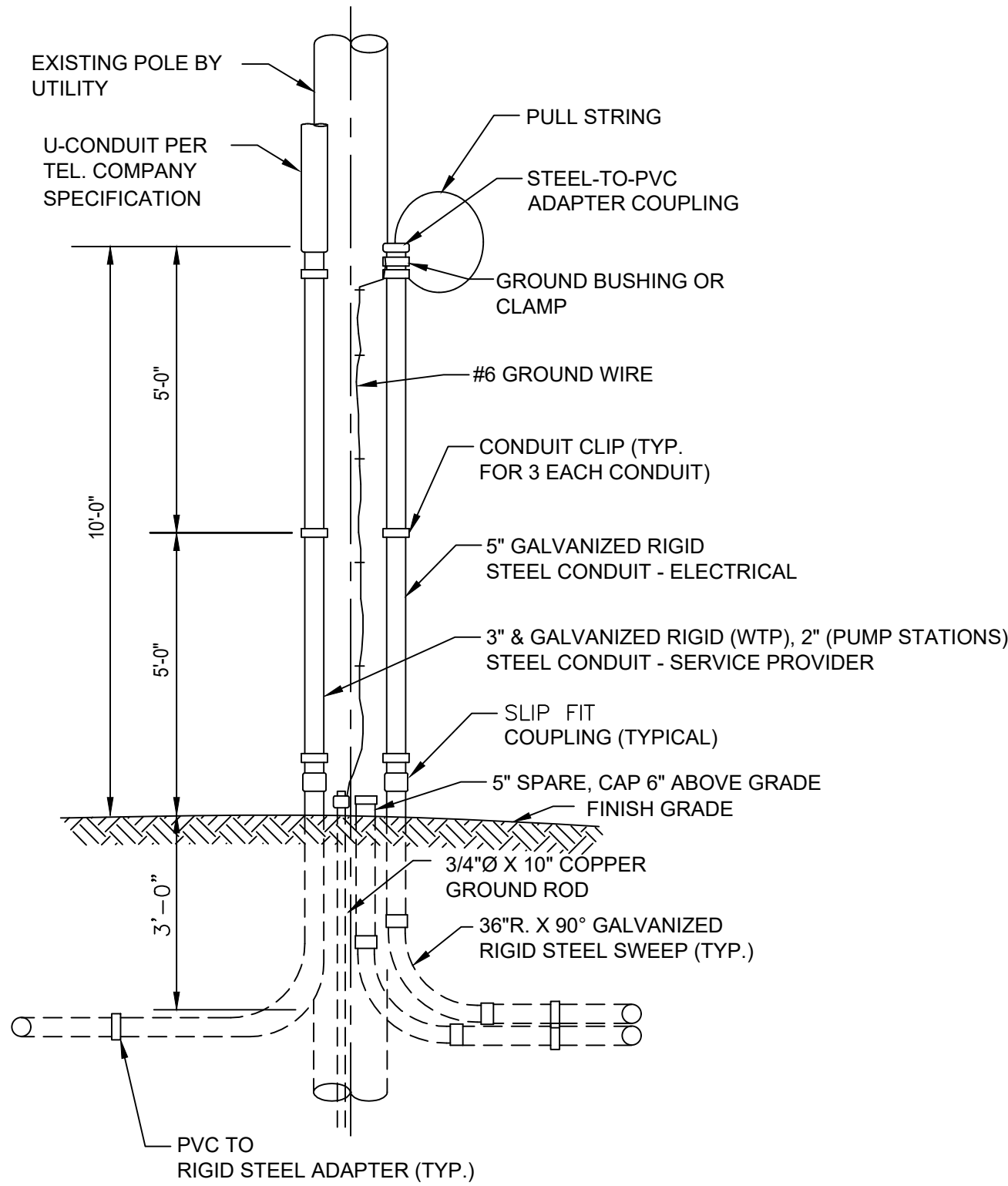
ATTACHMENT 2



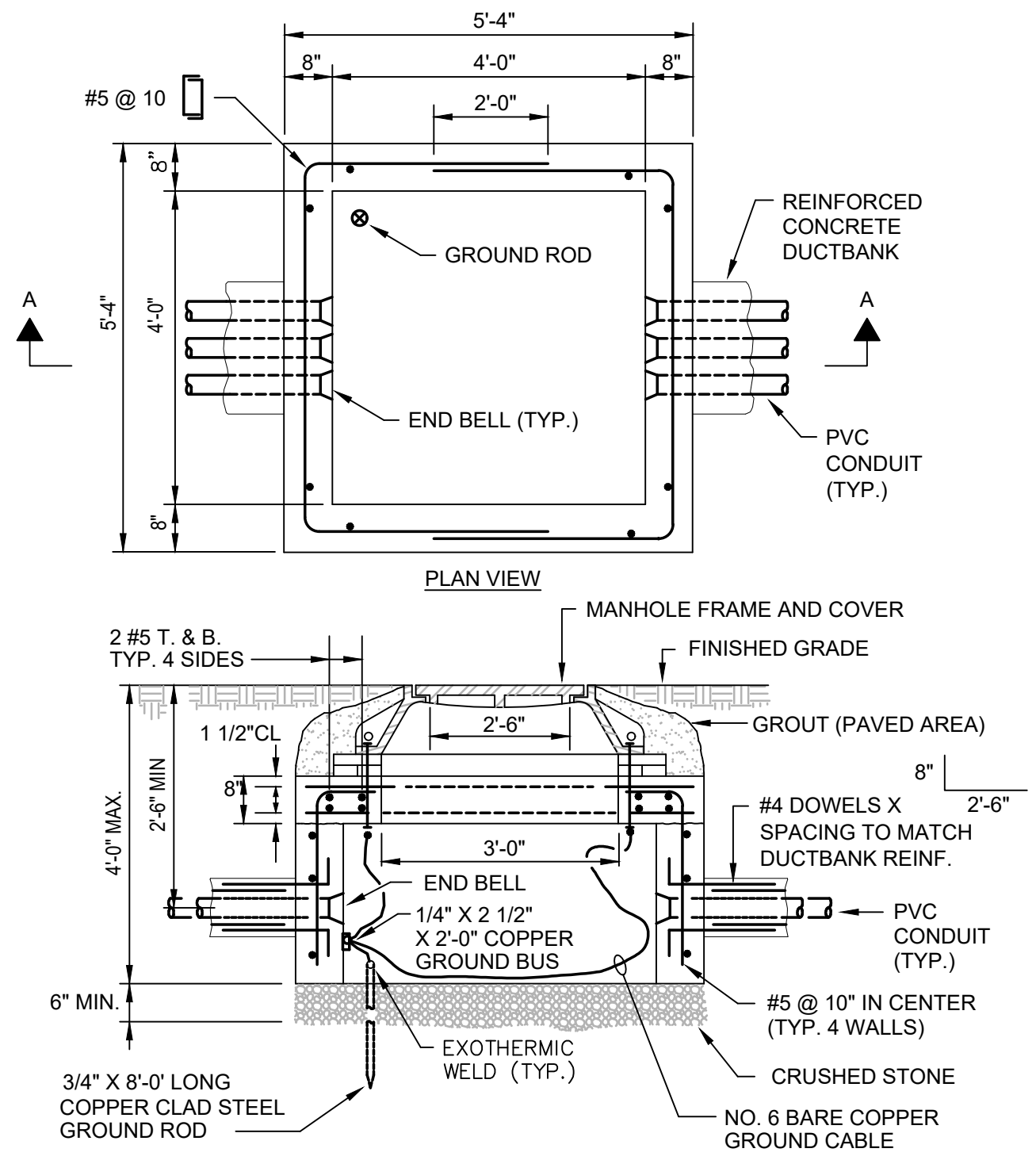
TRANSFORMER PAD
NO SCALE



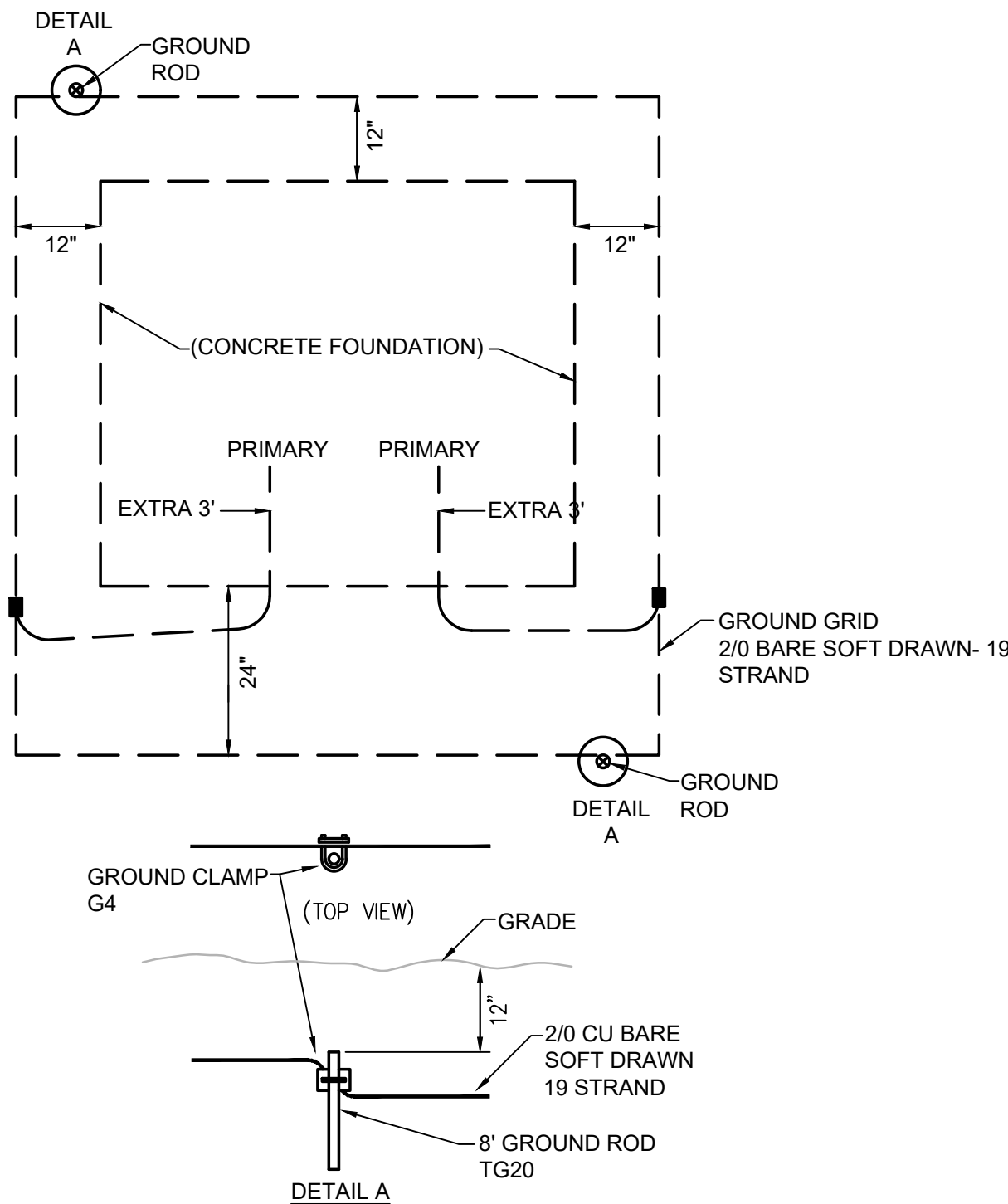
TRANSFORMER OIL
CONTAINMENT CURB
NO SCALE



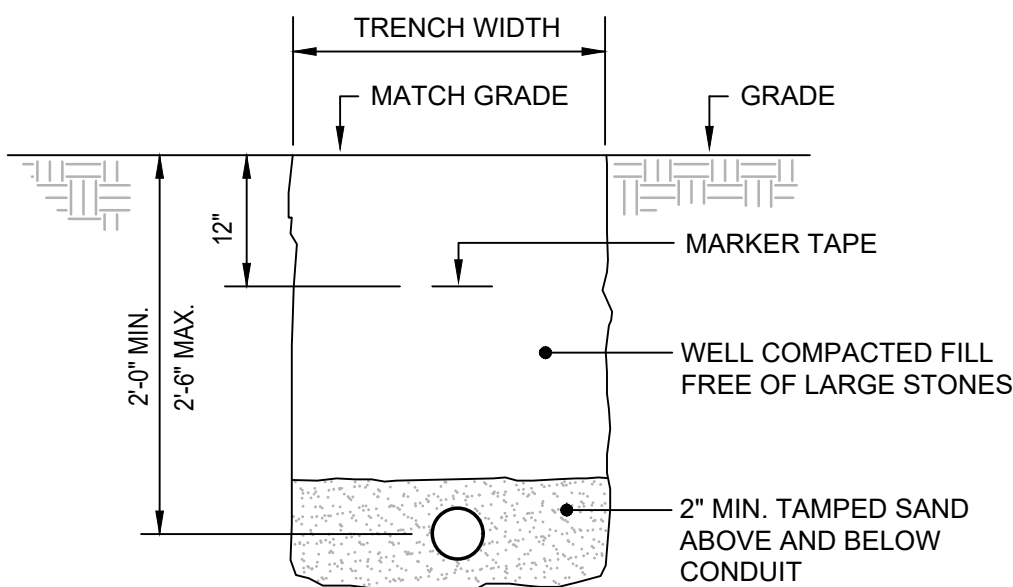
UTILITY POLE SERVICE
RISER DETAIL
NOT TO SCALE



UTILITY HANDHOLE DETAIL
NO SCALE



PAD MOUNTED TRANSFORMER
GROUNDING PLAN
NO SCALE



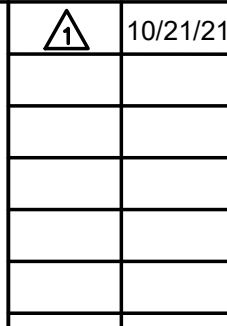
SINGLE UNDERGROUND CONDUIT SECTION
NOT TO SCALE



ENVIRONMENTAL
PARTNERS

SAR
ENGINEERING, INC.

Mechanical/Electrical Engineers
159 Greenwood Drive, Suite 300
Bellingham, Massachusetts 02184
617-338-0115
web: www.sar.com



MARK	DATE	DESCRIPTION

10/21/21	ADDENDUM NO. 2

Scale	N.T.S.
Date	AUGUST 2021
Job No.	307-2002
Designed by	RLB
Drawn by	RLB
Checked by	MC
Approved by	MC

THIS LINE IS ONE INCH
LONG WHEN PLOTTED AT
FULL SCALE ON A 22" X
34" DRAWING

RED MILL ROAD WATER TREATMENT PLANT
TOWN OF EASTON, MA

ELECTRICAL
SITE DETAILS

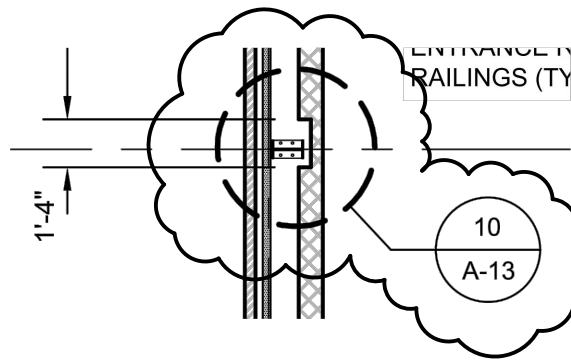
FOR CONSTRUCTION
Sheet No.

E-27

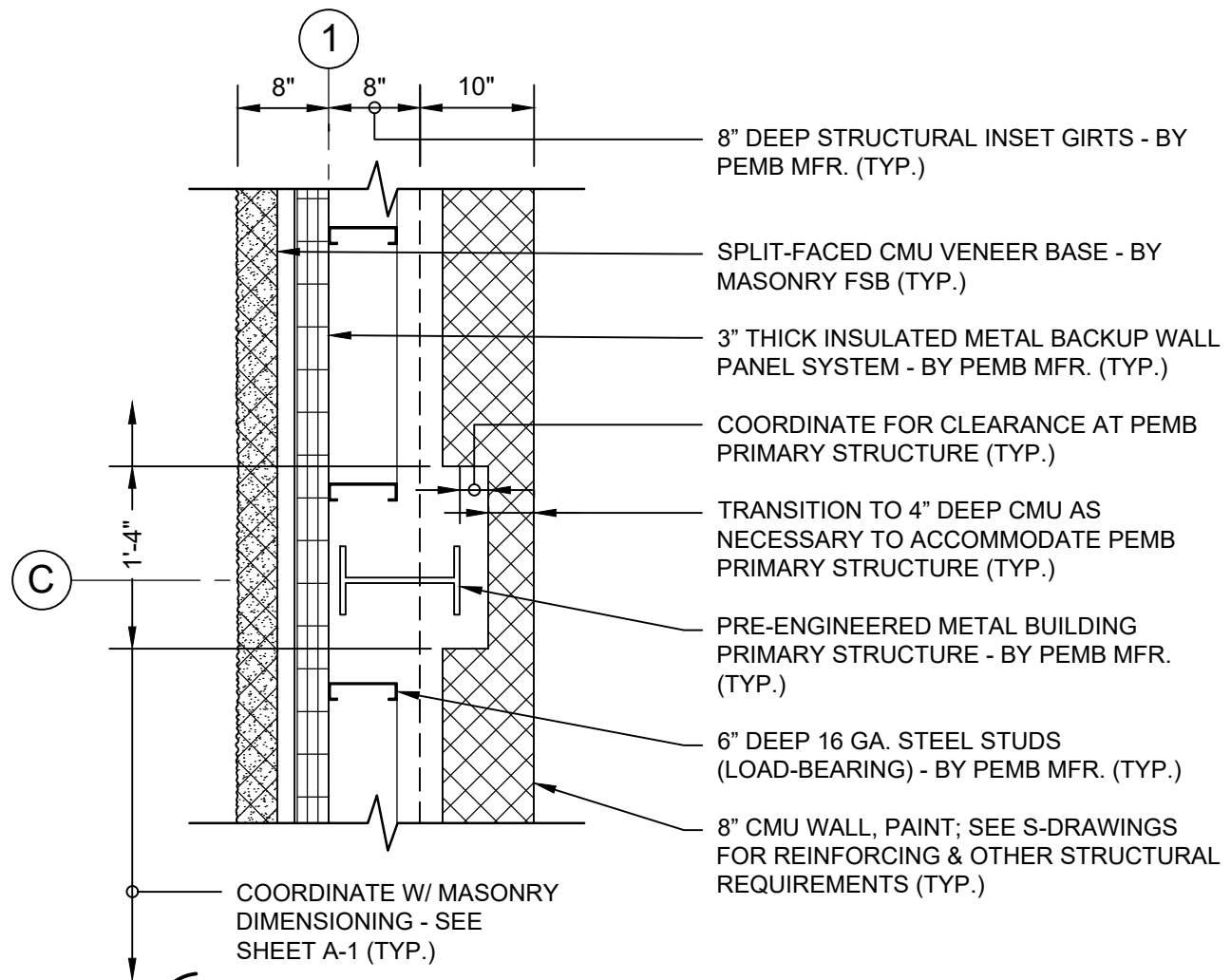
**EASTON DEPARTMENT OF PUBLIC WORKS
EASTON, MASSACHUSETTS
RED MILL ROAD WATER TREATMENT PLANT
CONTRACT DPW-2022-05**

ADDENDUM NO. 2

ATTACHMENT 3



ADDENDUM NO. 2: ADD DETAIL 10 / A-13 DESIGNATION AT COLUMN LOCATION C-1 ON SHEET A-1.

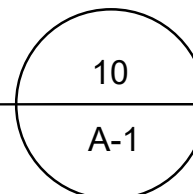


NOTE: CONDITIONS APPLY SIMILARLY AT COLUMN LOCATIONS A1, B1, & D1.

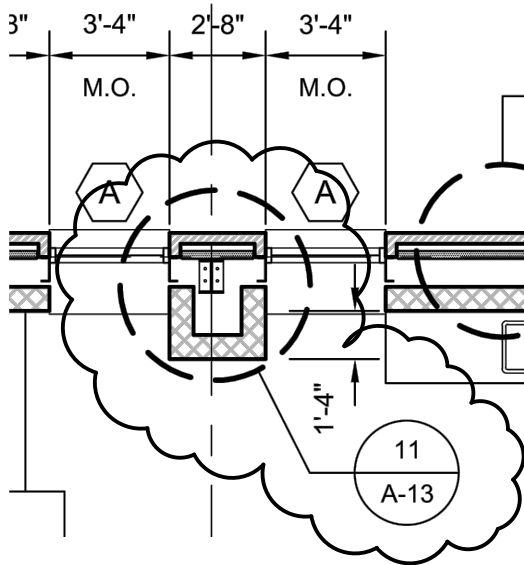
INTERIOR CMU WALL AREAS:

PLAN DETAIL

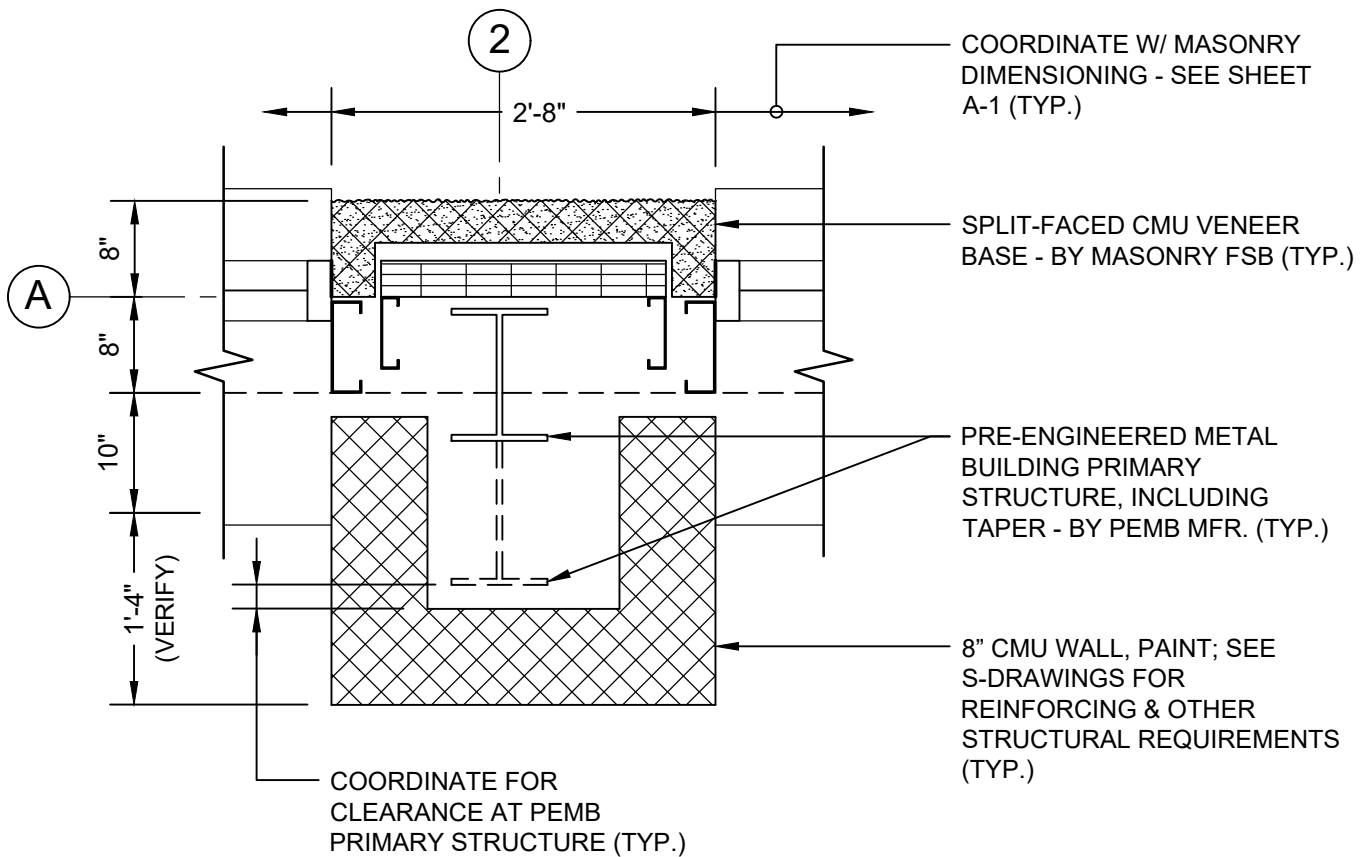
SCALE: 3/4"=1'-0"



ADDENDUM NO. 2: ADD DETAIL 10 TO SHEET A-13.



ADDENDUM NO. 2: ADD DETAIL 11 / A-13
DESIGNATION AT COLUMN LOCATION
A-2 ON SHEET A-1.

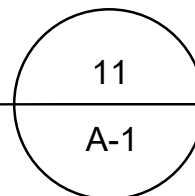


NOTE: CONDITIONS APPLY SIMILARLY AT COLUMN LOCATION D2.

INTERIOR CMU WALL AREAS:

PLAN DETAIL

SCALE: 3/4"=1'-0"



ADDENDUM NO. 2: ADD DETAIL 11 TO SHEET A-13.