

**PEABODY MUNICIPAL LIGHT PLAN
NEW FUELING SYSTEM AND SITE DRAINAGE IMPROVEMENTS**

ADDENDUM No. 1

The attention of bidders submitting bids for the above project is called to the following Addendum to the specifications and drawings. The items set forth herein, whether of omission, addition, substitution, or clarification are to be considered as part of the Bid Package for the project proposed by Weston & Sampson Engineers, Inc., dated July 2018.

Specifications

1. Table of Contents:

Delete reference to Section 01550 – SIGNAGE (TRAFFIC CONTROL).

2. Section 00890 – PERMITS

Paragraph 1.03 (A), delete “as defined under the Permits subsection of Section 00700, GENERAL CONDITIONS.”

Paragraph 1.05 (A) delete “Dewatering Permit (if needed)”.

3. SECTION 01110 – CONTROL OF WORK AND MATERIALS

Delete Paragraph 3.04 (E) in its entirety.

4. SECTION 01140 – SPECIAL PROVISIONS

Delete Paragraph 3.13 in its entirety.

5. SECTION 01380 – HEALTH AND SAFETY PLAN

Paragraph 3.01 (A) delete “based on the results of continuous air monitoring performed”.

6. SECTION 01550 –SIGNAGE (TRAFFIC CONTROL):

This Section in its entirety.

7. SECTION 01570 – ENVIRONMENTAL PROTECTION

Add new Paragraph 2.03 (C) as follows:

“C. As required by the Order of Conditions, Condition 10, the Contractor shall develop and install a sign of not less than two feet by three feet stating:

MassDEP
File Number 55-855”

Add the Construction Period Pollution Prevention and Erosion and Sedimentation Control Plan (Included as Attachment 1 of this Addendum No. 1) as Attachment A to Section 01570.

8. SECTION 02113 – EXCAVATION AND STOCKPILING OF IMPACTED MATERIAL

Delete “impacted material” in Paragraphs 3.03 (A) and 3.03 (B) and replace with “non-impacted and impacted materials”.

9. SECTION 02130 - TRANSPORTATION AND DISPOSAL OF IMPACTED MATERIAL

Delete Paragraph 3.02 (A) and replace with the following:

“The Contractor shall transport non-impacted material for recycling as part of the base bid work. The Contractor shall characterize the non-impacted materials removed from the site in accordance with Section 02113 – EXCAVATION AND STOCKPILING OF IMPACTED MATERIAL, Paragraph 3.03. The Contractor shall prepare and provide for Engineer review and approval material shipping records.”

10. SECTION 02240 – DEWATERING:

Delete Section 02240 and replace with revised Section 02240 included as Attachment 2 of this Addendum No. 1.

Questions & Answers

1. What are the assumed soil disposal requirements for impacted soil?

As described in Section 01270 MEASUREMENT AND PAYMENT Unit Price Item 3, the impacted soil shall be disposed at an in-State landfill for use as daily cover. Per the definition of “Impacted Materials” in Section 02113 – EXCAVATION AND STOCKPILING OF IMPACTED MATERIAL Paragraph 1.05 (A) these are materials

with contaminant concentrations exceeding applicable MassDEP Reportable Concentrations (RCS-1).

2. *Do the bid documents call for the repaving and striping of the new conduit shown on drawing E-2? Is this part of the base bid?*

Section 16050 - BASIC ELECTRICAL MATERIALS AND METHODS Paragraph 3.10 includes cutting and patching requirements; this section applies to electrical, fire alarm and communications conduits. The conduit trench shall be backfilled, compacted and repaved per the requirements of Sections 02300 – Earthwork and 02745 – PAVING as part of the Base Bid Item 1. Pavement markings shall also be performed by the Contractor as specified in Section 02745 – PAVING.

3. *What is the building interior like at the location of the fire alarm and communications conduit connection?*

A concrete foundation is present at location of conduit connection to the building. The concrete foundation is at grade. The Contractor shall verify with the Owner the planned interior wiring locations to avoid existing mechanical and electrical connections. The Contractor shall verify all measurements present necessary for the work and shall assume responsibility for their accuracy.

4. *What is the ceiling at the server and dispatch rooms on the second floor? Please identify ceiling types in server room, dispatch room and just outside dispatch room (to FACP) [e.g., hard plaster, drop ceiling, etc...].*

The server room and dispatch room ceiling are drop ceilings. The Contractor shall coordinate with the Owner for new connections to be placed above drop ceilings in accordance with the Contract Documents.

5. *At the new fueling system, will PMLP remove/protect the existing overhead wire?*

PMLP will remove/protect the existing overhead wire during the project with prior notice and coordination from the Contractor. The light pole shall remain undisturbed by the Contractor's work; any damage to the light pole shall be repaired by the Contractor at no additional cost to the Owner.

6. *Can the existing U-shaped driveway be used for Contractor staging?*

The Contractor may use the U-shaped driveway to the former UST area for staging. The Contractor shall be aware that trespassers have entered the site from this area. The Contractor shall secure staging areas against trespasser entry and shall assume liability for damage to or theft of any materials stored at the Site.

7. *Should the rock removal be a unit cost? It appears from the test pit logs that rock will be encountered when excavating. How should the Contractor account for this in the bid? Suggest adding an estimated quantity and unit price for rock removal to the bid form so as to level set the bids rather than having the Contractor make assumptions as to how much rock will need to be removed.*

The lump sum price for the Base Bid (Item 1) shall include all rock removal needed to complete the work of the project in accordance with Section 02324 – ROCK EXCAVATION AND DISPOSAL. The Contractor shall refer to provided test pit logs with depths to bedrock (as included in Section 00320 – SUBSURFACE DATA).

8. *How is the low bidder being calculated? Reference Section 00410 PMLP Bid Proposal Form. The bid form is asking for unit prices in the Total in Figures column (Items 3 & 4) [these should be extended totals using the estimated quantities and unit prices], and it is not clear how to total the bid form as there is no “total” line. Also, how will the alternate be handled in terms of determining the low bidder?*

The bid form with extended costs will be used to evaluate the low bidder. PMLP will determine the low bidder based on either the sum of the Base Bid (Item 1) and extended unit costs (Items 3 and 4) OR the sum of the base bid, extended unit costs, and the Add Alternate (Item 2).

9. *How many vehicles will use the new fueling system?*

Approximately 30 to 40 vehicles will be using the new fueling system. Per Section 15190 – FUEL STATION - DISPENSER AND MANAGEMENT SYSTEM Paragraph 2.02 (A) the Contractor shall provide 200 fuel island key readable by proximity sensor.

10. *Will Owner employee parking be limited during the work? Can the Contractor stage materials outside the limits of work?*

To the maximum extent practical, the Contractor shall maintain existing parking and coordinate with the Owner when parking areas within the limit of work will be in accessible. The Owner understands that the work will limit access to existing parking areas; however the Contractor shall work to minimize disturbance to the continued use of the Site building. The sole area available for Contractor use outside the limits of work is the U-shaped driveway as discussed in the answer to question 6.

11. Where will the tank monitoring system be located?

As shown on Drawing E-3, the tank monitoring system shall be located within the Site building. Specifically, the Contractor shall install the tank monitoring in the dispatch room.

12. How is dewatering being handled ? From the photographs it is clear that to excavate down to the required depth to build the canopy footings - the Contractor will be dealing with Groundwater. Your photos show a sheen on the groundwater ? Do not see any provision in the Bid Form to deal with petroleum impacted groundwater ? Normally with Weston & Sampson there is a Unit Rate to Collect, Store, Treat, or Dispose of Impacted Groundwater ?

Dewatering will be required to manage groundwater during Site work. Please refer to the replacement Section 02240 – DEWATERING included as Attachment 2 to this Addendum No. 1. This Section includes requirements for on-site treatment and recharge of dewatering fluids. As no off-Site transport and disposal of groundwater is anticipated, a unit cost for this item is not included.

13. Are sub-surface drains for the canopy part of the Base Bid? Surface may generate ice on the fueling pad. Drains should be part of the base bid - so if the canopy is added after the fact - they can utilize those drains.

Due to shallow bedrock subsurface drains are not included in this project. As shown on sheet EQ-4, canopy downspouts shall drain to the surface and are to be part of the Add Alternative (Item 2) for the canopy.

14. Can Galvanize Rigid Electrical Conduit acceptable be used rather than PVC Coated Rigid conduit?

Galvanized Rigid Electrical Conduit is an acceptable alternate for PVC coated rigid conduit.

15. Reference 7A. Instructions to Bidders- What is the process for PMLP to approve proposed subcontractors, and what is required as part of the Contractor's submission for approval of proposed subcontractors? How long will it take for PMLP to approve proposed subcontractors after submission from the Contractor? What happens if PMLP disapproves a proposed subcontractor and the Contractor incurs additional expense as a result of having to contract with a replacement subcontractor? Will the Contractor be reimbursed for the additional expense?

Item 7A of the instruction to bidders does not include subcontractor requirements. Please refer to Terms & Conditions Item 10 relating to subcontractor approval. PMLP will not compensate the Contractor for additional expenses related to rejected subcontractors.

16. Reference 27. PMLP Terms and Conditions Materials & Labor Contract- Please confirm that the successful Contractor will be furnished with an ST-2 and ST-5C from PMLP in order to claim tax exempt status for permanent materials and equipment rentals in MA.

PMLP is a tax-exempt entity and will provide ST-5C forms to the awarded Contractor for their and their subcontractors use.

17. Section 00890, Paragraph 1.05A.- This section indicates that the Contractor is to secure a dewatering permit (if needed). It appears from the test pit logs that dewatering will be necessary. A DGP or RGP will be required.

Please refer to response to Question 12 and the replacement Section 02240 – DEWATERING. The Contractor shall treat, if sheens are present, dewatering fluids and recharge to the ground with no off-Site disposal or discharge to stormwater systems. As no discharge will occur, no discharge permits are required.

18. Reference Order of Conditions General Condition #17- Who is responsible for marking the boundary of the wetland in the vicinity of the proposed work? The Contractor has not performed the wetland delineation and does not have that information. Please confirm that this marking will be done by others.

The Contractor is responsible for marking the wetland boundary per Weston & Sampson wetland delineation shown on Drawings C-1 and C-2. The Contractor shall place the required signage listed in the Order of Conditions outside this boundary as listed in the response to question 20. Please refer to added Specification 01570 – ENVIRONMENTAL PROTECTION Item 2.03 (c).

19. *Reference Order of Conditions Special Condition #21- Please confirm that the Order of Conditions has been recorded with the Registry of Deeds.*

PMLP has recorded the Order of Conditions with the Essex County Registry of Deeds.

20. *Reference Order of Conditions Special Condition #41- Please confirm that the permanent marking of the edge of wetland is not by the Contractor.*

The Base Bid work includes a Contractor furnished and installed Wetland Signage as specified in Section 01570 – ENVIRONMENTAL PROTECTION Item 2.03.

21. *Reference Order of Conditions Special Condition #46- Please provide the Stormwater Report and the Construction Period Pollution Prevention and Erosion and Sedimentation Control plan as referenced in this Special Condition.*

The Construction Period Pollution Prevention and Erosion and Sedimentation Control Plan is included as Attachment 1 of this Addendum No. 1.

22. *The plans issued with the bid package are dated 7/16/18, 7/18/18 & 6/28/18. Please confirm that these plans have been shared with the ConCom, and that there are no additional General or Special Conditions from the ConCom as a result of the updated plans.*

No significant modifications from the permitting set reviewed by the Conservation Commission have been made to require additional review and/or conditions.

23. *Reference Section 01014, Paragraph 1.01A.- Please confirm that the requirement to complete all concrete work by November 15, 2018 does not include the canopy footing pourbacks. The canopy, if selected, will have a lead time that will prevent the placement of the pourbacks by November 15, 2018.*

Yes, the requirements to complete all concrete work by November 15, 2018 does not include the canopy footing pour backs.

24. *Reference Section 01110, Paragraph 3.04B.- Please confirm that the cost of uniformed officers will be borne by others if they are deemed necessary by the Chief of Police.*

Uniformed officers, if authorized by the Owner, will be paid by the Owner.

25. *Reference Section 01140, Paragraph 3.01A.- Is water for construction purposes available at the site for the Contractor's use? If so, where in relation to the proposed work is the water source?*

Based on Section 01270 – SPECIAL PROVISIONS, the Contractor may make use of on-site water with Owner authorization. A spigot is available at the southeastern area of the building next to visitor parking. Any damage to vehicles adjacent to the spigot shall be paid for solely by Contractor at no additional cost to the Owner.

If the Contractor requires additional water, local connections to hydrants shall be metered, coordinated directly with the City of Peabody, and paid for by the Contractor.

26. *Reference Section 01140, Paragraph 3.07- Section 00410 does not stipulate a completion date. Please clarify.*

The project duration is provided on the third page of Section 00410 and is 164 calendar days.

27. *Reference Section 01270 .- The base bid is to include disposal/recycling of nonimpacted surplus soils. The surplus soils will need to be sampled and characterized for off-site disposal/recycling. Who is responsible for the cost of this sampling and analytical?*

The Contractor is responsible for characterization sampling per Section 02113 – 3.02 (A).

28. *Please confirm the Owner's LSP will prepare and sign all required LSP Opinion Letters.*

If impacted materials are identified, LSP Opinion Letters will be prepared by Weston & Sampson on behalf of PMLP.

29. *Reference Section 01330, Paragraph 3.04F.- The 30 day review time for submittals does not support the schedule. Can this review time be shortened in support of the schedule?*

The submittal review schedule will be expedited to 10 business days to support the project schedule.

30. *Reference Section 01380, Paragraph 3.01A.- Please provide more information with regard to the continuous air monitoring requirement (i.e., personal air monitoring only?, perimeter air monitoring ?,dust only?, contaminants?).*

Air monitoring will not be required for the project work; please refer to the revised Section 01380, Paragraph 3.01.

31. *Reference Section 01550- Please confirm this section does not apply to this project. If it does apply, then please identify the location and quantity of traffic control signs and other devices that are required on this project.*

While construction fencing and on-site traffic control is required, the roadway traffic signage is not required and this section has been deleted from the Bid Package.

32. *Erosion control devices are not shown on plans. Please identify location and types of erosion control devices required.*

Filter tube locations are shown on Drawing C-2 and is represented by a dashed line as defined in the Legend on Drawing G-1.

33. *Where does RISER POLE DETAIL on E-2 apply?*

It applies to the existing riser pole with mounted utility transformer, where the power for the fuel island is coming from.

34. *Refer to FUEL PUMP ISLAND POWER PLAN (BASE BID). Gasoline and diesel dispenser symbols appear to be switched. Please clarify.*

On Drawing E-4, FUEL PUMP ISLAND POWER PLAN (BASE BID), the gasoline dispenser should be on the left side (northeast) and the diesel dispenser should be on the right side (southwest). The gasoline tank compartment shall be on the left side (northeast) and the diesel compartment shall be on the right side (southwest) to match the dispenser locations.

35. *Doesn't appear that loam and seed will be completed by October 1, 2018 as required by the specifications, and will have to be performed in the Spring of 2019 (April 1 and May Please confirm this work is not included in the November 15, 2018 completion date.*

The preferred timing is to complete the loam and seeding this year. However, if site work requires loam and seeding to be performed in 2019, that timing will be acceptable.

36. *Please provide a boxout detail for the canopy footers should the canopy alternate not be accepted.*

Please see Drawing EQ-4 Note 1 on “TYPICAL FOUNDATION DETAIL (BASE BID)”. It says the following “If canopy bid alternate is not selected, base plate shall be covered and protected per manufacturers recommendations using water tight cover over greased bolts and based plate, along with sand backfill and a marked concrete cap.”.

37. *Canopy footers with anchor bolts, pattern, etc... are specific to the canopy furnished. How will the canopy footers be designed/installed should the canopy alternate not be accepted?*

The Contractor shall have the canopy and footers designed by the canopy manufacturer as part of the base bid. If the Add Alternate is not chosen, only the footers from that design shall be constructed. The Contractor then shall provide the canopy design plans to the Owner for future construction of the canopy.

PLEASE ACKNOWLEDGE ALL ADDENDA IN YOUR BID RESPONSE.

--End of Addendum No. #1

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Attachments

1. Construction Period Pollution Prevention and Erosion and Sedimentation Control Plan.
2. Replacement Section 02240 – Dewatering.
3. Pre-Bid Site Walk Agenda and Sign-In Sheet

ADDENDUM NO. 1 - ATTACHMENT 1

Construction Period Pollution Prevention and Erosion and Sedimentation Control Plan

SECTION 1: Introduction

A new fueling system is being proposed to replace the fueling island and underground storage tanks (USTs) removed in 2016. The new fueling system will include one split above-ground storage tank (AST) with above ground dispenser connection for gasoline and diesel fueling. Additionally, an 850 square-foot canopy will be constructed. The fueling system will be installed in an area of existing pavement between the former fueling island and USTs. In addition to the fueling system installation, grading and re-paving are proposed to address localized flooding of the parking lot. The pavement removed during the fuel island removal will also be replaced. No enlargement to the parking lot will be included in the design.

As part of this project, this "Construction Period Pollution Prevention and Erosion and Sedimentation Control Plan" has been created to ensure that no further disturbance to the wetland resource is created during the project.

SECTION 2: Construction Period Pollution Prevention Measures

Best Management Practices (BMPs) will be utilized as Construction Period Pollution Prevention Measures to reduce potential pollutants and prevent any off-site discharge. The objectives of the BMPs for construction activity are to minimize the disturbed areas, stabilize any disturbed areas, control the site perimeter and retain sediment. Both erosion and sedimentation controls and non-stormwater best management measures will be used to minimize site disturbance and ensure compliance with the performance standards of the WPA and Stormwater Standards. Measures will be taken to minimize the area disturbed by construction activities to reduce the potential for soil erosion and stormwater pollution problems. In addition, good housekeeping measures will be followed for the day-to-day operation of the construction site under the control of the contractor to minimize the impact of construction. This section describes the control practices that will be in place during construction activities. Recommended control practices will comply with the standards set in the MA DEP Stormwater Policy Handbook.

2.1 Minimize Disturbed Area and Protect Natural Features and Soil

In order to minimize disturbed areas, work will be completed within well-defined work limits. These work limits are shown on the construction plans. The Contractor shall not disturb native vegetation in the undisturbed wetland area without prior approval from the Engineer. The Contractor will be responsible to make sure that all of their workers and any subcontractors know the proper work limits and do not extend their work into the undisturbed areas. The protective measures are described in more detail in the following sections.

2.2 Control Stormwater Flowing onto and through the project

Construction areas adjacent to wetland will be lined with compost filter tubes. The tubes will be inspected daily and accumulated silt will be removed as needed.

2.3 Stabilize Soils

The Contractor shall limit the area of land which is exposed and free from vegetation during construction. In areas where the period of exposure will be greater than two (2) months, mulching, the use of erosion control mats, or other protective measures shall be provided as specified.

The Contractor shall take account of the conditions of the soil where erosion control seeding will take place to ensure that materials used for re-vegetation are adaptive to the sediment control.

2.4 Proper Storage and Cover of Any Stockpiles

The location of the Contractor's storage areas for equipment and/or materials shall be upon cleared portions of the job site or areas to be cleared as a part of this project, and shall require written approval of the Engineer.

Adequate measures for erosion and sediment control such as the placement of compost filter tubes around the downstream perimeter of stockpiles shall be employed to protect any downstream areas from siltation.

There shall be no storage of equipment or materials in areas designated as wetlands.

The Engineer may designate a particular area or areas where the Contractor may store materials used in his operations.

2.5 Perimeter Controls and Sediment Barriers

Erosion control lines as described in Section 5 will be utilized to ensure that sedimentation does not occur outside the perimeter of the work area.

2.6 Storm Drain Inlet Protection

Filter sacks will be placed within nearby catch basins to minimize sediment migration into the stormwater system.

2.7 Retain Sediment On-Site

The Contractor will be responsible to monitor erosion control measures. Whenever necessary the Contractor will clear sediment from the compost filter tube that have been silted up during construction. Daily monitoring should be conducted using the attached Monitoring Form.

The following good housekeeping practices will be followed on-site during the construction project:

2.8 Material Handling and Waste Management

Materials stored on-site will be stored in a neat, orderly manner in appropriate containers. Materials will be kept in their original containers with the original manufacturer's label. Substances will not be mixed with one another unless recommended by the manufacturer.

Waste materials will be collected and stored in a securely lidded metal container from a licensed management company. The waste and any construction debris from the site will be hauled off-site daily and disposed of properly. The contractor will be responsible for waste removal. Manufacturer's recommendations for proper use and disposal will be followed for materials. Sanitary waste will be collected from the portable units a minimum of once a week, by a licensed sanitary waste management contractor.

2.9 Designated Washout Areas

The Contractor shall use washout facilities at their own facilities, unless otherwise directed by the Engineer.

2.10 Proper Equipment/Vehicle Fueling and Maintenance Practices

On-site vehicles will be monitored for leaks and receive regular preventative maintenance to reduce the risk of leakage. To ensure that leaks on stored equipment do not contaminate the site, oil-absorbing mats will be placed under oil-containing equipment during storage. Regular fueling and service of the equipment may be performed using approved methods and with care taken to minimize chance of spills. Repair of equipment or machinery within the 100' water resources area shall not be allowed without the prior approval of the Engineer. Any petroleum products will be stored in tightly sealed containers that are clearly labeled with spill control pads/socks placed under/around their perimeters.

2.11 Equipment/Vehicle Washing

The Contractor will be responsible to ensure that no equipment is washed on-site.

SECTION 3: Spill Prevention and Control Plan

The Contractor will be responsible for preventing spills in accordance with the project specifications and applicable federal, state and local regulations. The Contractor will identify a properly trained site employee, involved with the day-to-day site operations to be the spill prevention and cleanup coordinator. The name(s) of the responsible spill personnel will be posted on-site. Each employee will be instructed that all spills are to be reported to the spill prevention and cleanup coordinator.

3.1 Spill Control Equipment

Spill control/containment equipment will be kept in the Work Area. Materials and equipment necessary for spill cleanup will be kept either in the Work Area or in an

otherwise accessible on-site location. Equipment and materials will include, but not be limited to, absorbent booms/mats, brooms, dust pans, mops, rags, gloves, goggles, sand, plastic and metal containers specifically for this purpose. It is the responsibility of the Contractor to ensure the inventory will be readily accessible and maintained.

3.2 Notification

Workers will be directed to inform the on-site supervisor of a spill event. The supervisor will assess the incident and initiate proper containment and response procedures immediately upon notification. Workers should avoid direct contact with spilled materials during the containment procedures. Primary notification of a spill should be made to the local Fire Department and Police Departments. Secondary Notification will be to the certified cleanup contractor if deemed necessary by Fire and/or Police personnel. The third level of notification (within 1 hour) is to the DEP or municipality's Licensed Site Professional (LSP). The specific cleanup contractor to be used will be identified by the Contractor prior to commencement of construction activities.

3.3 Spill Containment and Clean-Up Measures

Spills will be contained with granular sorbent material, sand, sorbent pads, booms or all of the above to prevent spreading. Certified cleanup contractors should complete spill cleanup. The material manufacturer's recommended methods for spill cleanup will be clearly posted and on-site personnel will be made aware of the procedures and the location of the information and cleanup supplies.

3.4 Hazardous Materials Spill Report

The Contractor will report and record any spill. The spill report will present a description of the release, including the quantity and type of material, date of the spill, circumstances leading to the release, location of spill, response actions and personnel, documentation of notifications and corrective measures implemented to prevent reoccurrence.

This document does not relieve the Contractor of the Federal reporting requirements of 40 CFR Part 110, 40 CFR Part 117, 40 CFR Part 302 and the State requirements specified under the Massachusetts Contingency Plan (M.C.P) relating to spills or other releases of oils or hazardous substances. Where a release containing a hazardous substance or oil in an amount equal to or in excess of a reportable quantity established under either 40 CFR Part 110, 40 CFR Part 117 or 40 CFR Part 302, occurs during a twenty-four (24) hour period, the Contractor is required to comply with the response requirements of the above mentioned regulations. Spills of oil or hazardous material in excess of the reportable quantity will be reported to the National Response Center (NRC).

SECTION 4: Contact Information/Responsible Parties

Owner/Operator:

Tony Martins
Peabody Municipal Light Plant
201 Warren St Ext.
Peabody, MA 01960

Engineer:

James Pearson, PE
Weston & Sampson Engineers, Inc.
5 Centennial Drive
Peabody, MA 01960
978-532-1900

Site Inspector:

TBD

Contractor:

TBD

SECTION 5: Erosion and Sedimentation Control

Erosion and Sedimentation Control Drawings can be found in the attached project plans. In addition a technical specification (***Section 01570 Wetlands Protection and Erosion Control***) has been included as part of Appendix D, which details all Erosion and Sedimentation controls.

SECTION 6: Site Development Plan

The Site Development Plan is included in the attached plans.

SECTION 7: Operation and Maintenance of Erosion Control

The erosion control measures will be installed as detailed in the technical specification ***01570 Environmental Protection***. If there is a failure to the controls the Contractor, under the supervision of the Engineer, will be required to stop work until the failure is repaired.

Periodically throughout the work, whenever the Engineer deems it necessary, the sediment that has been deposited against the controls will be removed to ensure that the controls are working properly.

SECTION 8: Inspection Schedule

During construction, the erosion and sedimentation controls will be inspected daily. Once the Contractor is selected, an on-site inspector will be selected to work closely with the Engineer to insure that erosion and sedimentation controls are in place and working

properly. An Inspection Form is included.

Construction Period Pollution Prevention and Erosion and Sedimentation Control Plan

PMLP Fueling System and Site Drainage Improvements

Inspection Form

Inspected By: _____ Date: _____ Time: _____

YES	NO	DOES NOT APPLY	ITEM
			Do any erosion/siltation control measures require repair or clean out to maintain adequate function?
			Is there any evidence that sediment is leaving the site and entering the wetlands?
			Are any temporary soil stockpiles or construction materials located in non-approved areas?
			Are on-site construction traffic routes, parking, and storage of equipment and supplies located in areas not specifically designed for them?

Specific location, current weather conditions, and action to be taken:

Other Comments:

Pending the actions noted above I certify that the site is in compliance with the Construction Period Pollution Prevention and Erosion and Sedimentation Control Plan.

Signature: _____ Date: _____

ADDENDUM NO. 1 - ATTACHMENT 2

SECTION 02240

DEWATERING

PART 1 - GENERAL

1.01 WORK INCLUDED:

This section specifies designing, furnishing, installing, maintaining, operating and removing temporary dewatering systems as required to lower and control water levels and hydrostatic pressures during construction; on-Site treatment and recharge of pumped water; constructing, maintaining, observing and, except where indicated or required to remain in place, removing of equipment and instrumentation for control of the system.

1.02 RELATED WORK:

- A. Section 00890, PERMITS
- B. Section 01570, ENVIRONMENTAL PROTECTION
- C. Section 02300, EARTHWORK

1.03 SYSTEM DESCRIPTION:

- A. Dewatering includes lowering the water table and intercepting seepage which would otherwise emerge from the slopes or bottom of the excavation; increasing the stability of excavated slopes; preventing loss of material from beneath the slopes or bottom of the excavation; reducing lateral loads on sheeting and bracing; improving the excavation and hauling characteristics of sandy soil; preventing rupture or heaving of the bottom of any excavation; and disposing of pumped water. Where petroleum sheens are present, the Contractor shall treat dewatering fluids to remove sheen prior to discharge to the ground for recharge.

The Contractor shall treat dewatering fluids with petroleum sheen prior to on-site recharge. The Contractor shall be aware that elevated groundwater may require the Contractor to store on-site and dissipate treated dewatering fluids to ground surface at no additional cost to the Owner. No treated or untreated dewatering fluids may be discharged to on-site catch basins or to the impervious ground draining into the on-site wetland.

1.04 QUALITY ASSURANCE:

- A. The Contractor is responsible for the adequacy of the dewatering systems.
- B. The dewatering systems shall be capable of effectively reducing the hydrostatic pressure and lowering the groundwater levels to a minimum of 2 feet below excavation bottom, unless otherwise required by the Engineer, so that all excavation bottoms are firm and dry.

- C. The dewatering system shall be capable of maintaining a dry and stable subgrade until the structures, pipes and appurtenances to be built therein have been completed to the extent that they will not be floated or otherwise damaged.
- D. The dewatering system and excavation support shall be designed so that lowering of the groundwater level outside the excavation does not adversely affect adjacent structures, utilities or wells.

1.05 SUBMITTALS

- A. Contractor shall submit six copies of a Dewatering Plan indicating how they intend to control and treat the discharge from any dewatering operations on the project, whether it is discharge of groundwater from excavations or stormwater runoff during the life of the project. The dewatering plan shall include a description of treatment of dewatering fluids with petroleum sheens for on-Site recharge post-treatment. Petroleum sheen treatments may include absorbent booms with a replacement schedule, organoclay barriers within a geotextile mat, and/or approved equal treatment proven effective at removing sheens on-site. Dewatering fluid storage shall also be included in the submittal.

PART 2 - PRODUCTS: NOT APPLICABLE

PART 3 - EXECUTION

3.01 DEWATERING OPERATIONS:

- A. All water pumped or drained from the work shall be treated and recharged on-site in a manner that will not result in undue interference with other work or damage to adjacent properties, pavements and other surfaces, buildings, structures and utilities. The Contractor shall provide suitable temporary pipes, flumes or channels for water that may flow along or across the site of the work. All treatment of pumped water shall conform to the provisions of Section 01570 ENVIRONMENTAL PROTECTION and Section 00890 PERMITS.
- B. Dewatering facilities shall be located where they will not interfere with utilities and construction work to be done by others.
- C. Dewatering procedures shall be described by the Contractor in their dewatering plan.
- D. The Contractor shall be responsible for repair of any damage caused by his dewatering operations, at no cost to the Owner.
- E. Contractor shall treat dewatering fluids with sheens on-Site at no additional cost to Owner. With the approval of the Engineer, the treated dewatering fluids once free of a sheen may be recharged to the subsurface on-Site. Discharges to the stormwater system and/or wetland are not allowed, unless permitted and with the approval of the City of Peabody, the Owner, and the Engineer.

END OF SECTION

P:\MA\Peabody MA\PMLP Fueling System Design\Specs\Division 1\02240 Dewatering.docx

A G E N D A

Pre-bid Site Walk

New Fueling Station and Site Drainage Improvements

July 25, 2018, 10:00am

Peabody Municipal Light Plant (PMLP)

201 Warren St. Ext., Peabody, MA 01960

A. INTRODUCTIONS:

Karen Repucci, PMLP

Tony Martins, PMLP

Daron Kurkjian, Weston & Sampson

Sign-In: Attendance List

B. PROJECT DESCRIPTION & SCOPE OF WORK

C. BID SCHEDULE:

1. Bidder Questions Due: July 27, 2018 by 5:00PM

2. Bids Due by August 6, 2018 at 11:00AM

3. Bid Opening August 6, 2018 at 11:00AM

D. COMPLETION TIME & PROJECT SCHEDULE

1. Start date within 7-10 business days of executed agreement

2. Duration: 164 calendar days

3. Bid Expiration Date: October 19, 2018

E. OBTAINING PLANS AND SPECIFICATIONS

1. Online at <http://www.pmlp.com/docs/bids/bids-Package-jul18-2018-New-Fueling-Station-and-Site-Drainage-Improvements/bids-RFP-jul18-2018-New-Fueling-Station-and-Site-Drainage-Improvements-Instructions.pdf>

F. REQUIRED BID SUBMITTALS

G. SAFETY

H. SPECIAL CONSIDERATIONS

I. QUESTIONS

J. SITE TOUR

ATTENDANCE LIST: PRE-BID SITE WALK
 New Fueling Station and Site Drainage Improvements
 July 25, 2018, 10:00am
 Peabody Municipal Light Plant (PMLP)
 201 Warren St. Ext., Peabody, MA 01960

5 Centennial Drive, Peabody, MA 01960 (HQ)
 Tel: 978.532.1900

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Ryan Rousseau	Wildco PES	860-874-2527	Ryan.Rousseau@wildco pes.com
Jonathan Carpenter	Sargent Electric	412-295-7931	jcarpenter@sargentelectrie
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