



Paul R. LePage  
GOVERNOR

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
16 STATE HOUSE STATION  
AUGUSTA, MAINE 04333-0016

March 12, 2013  
Subject: **Portland Marine Terminal**  
State WIN: 018413.10  
**Amendment No. 1**

David Bernhardt  
COMMISSIONER

Dear Sir/Ms:

**NOTE**

**A mandatory Pre-bid meeting is scheduled for 2:00 PM, on Thursday, March 14<sup>th</sup>, in the conference room at the IMT building, located at 460 Commercial Street, Portland, Maine.**

Make the following changes to the Bid Documents:

In the Bid Documents, **REMOVE** the "SCHEDULE OF ITEMS" two pages dated 130304, and **REPLACE** with the attached new "SCHEDULE OF ITEMS" two pages 130312.

In the Bid Document book (pages 30 - 32), **REMOVE** "SPECIAL PROVISIONS, SECTION 104, UTILITIES" 3 pages dated March 1, 2013, and **REPLACE** with the attached new "SPECIAL PROVISION, SECTION 104, UTILITIES" 4 pages dated March 11, 2013 .

In the Bid Book after page 32 **ADD** the attached "SPECIAL PROVISION, SECTION 104, GENERAL RIGHTS AND RESPONSIBILITIES" 1 page dated March 11, 2013.

In the Bid Book before page 33 **ADD** the attached "SPECIAL PROVISION, SECTION 105, GENERAL SCOPE OF WORK, (Contractor Access to Construction Areas)" 2 pages dated March 11, 2013.

In the Bid Book before page 33 **ADD** the attached "SPECIAL PROVISION, SECTION 105, GENERAL SCOPE OF WORK, (Summary of Project)" 1 page dated March 11, 2013.

In the Bid Book, after page 33 **ADD** the attached "SPECIAL PROVISION, SECTION 107, TIME, (Supplemental Liquidated Damages)" 1 page dated 3-11-13.

In the Bid Book, after page 35 **ADD** the attached "SPECIAL PROVISION, SECTION 304, AGGREGATES" 1 page dated March 11, 2013.

In the Bid Book (page 69), **REMOVE** "SPECIAL PROVISION, SECTION 603, UNDERDRAINS" 1 page dated March 1, 2013 and **REPLACE** with the attached



PRINTED ON RECYCLED PAPER

“SPECIAL PROVISION, SECTION 603, PIPE CULVERTS AND STORM DRAINS” 1 page dated March 11, 2013.

In the Bid Book, after page 77 **ADD** the attached “SPECIAL PROVISION, SECTION 807, SECURITY REQUIREMENTS” 2 pages dated March 11, 2013.

In the Bid Book (page 76) under paragraph “626.05 Basis of Payment”, **ADD** the following sentence to the end of the fourth paragraph in pen and ink; “**This price shall also include the furnishing and temporary placement of steel plates to cover the trench in support of terminal operations so that trucks may traverse the trench during construction.**”

In the Bid Book (page 75), **ADD** the following sentence to the end of the first paragraph, which begins on page 74, of Subsection “626.92, Precast Concrete Junction Box - Heavy Duty”, “**The frame/lid shall be cast gray iron ASTM A-48, Class 35B fabricated by one of the following manufacturers or an approved equal: Neenah Foundry Co., Etheridge Foundry & Machine Co., or Enterprise Foundry, Inc.**” Make this change in pen and ink.

In the Bid Book (page 79), **ADD** the following sentence to the end of the second paragraph in Subsection “815.03, Method of Measurement”, “**Installation of the owner-supplied site bollard shall be included in the lump sum measurement.**” Make this change in pen and ink.

In the Bid Book (page 79), **CHANGE** the second sentence of the second paragraph of Subsection 815.98 to read as follows, “**The lump sum price of the Utility Building – Concrete Foundation shall also include the removal and on-site storage of the large rocks and steel racks alongside the existing utility building near the existing electrical transformer, and shall also include the installation of an owner-supplied site bollard as shown on Sheet A1.**” Make this change in pen and ink.

In the Bid Book after page 80, **ADD** the attached “SHEET NUMBER A1, PROPOSED SITE SECURITY AND ADDITIONAL WORK ELEMENTS”.

In the Plans, Sheet Numbers 1 thru 7 **CHANGE** all references to “4-Inch Underdrain,” to read “**4-Inch Storm Drain (PVC as specified in MaineDOT 706.06) Item 603.158.**” Make this change in pen and ink.

In the Plans, Sheet Number 4 of 7, “ELECTRICAL SINGLE LINE DIAGRAM” on the right-hand Drawing, **CHANGE** “Concrete Water-Tight In-Ground Box,” to read “**Stainless Steel NEMA 4 Junction Box atop Concrete Pedestal.**” Make this change in pen and ink.

In the Plans, Sheet Number 7 of 7, “UTILITY BUILDING DETAILS” **CHANGE** Note 1 adjacent to the “Utility Building Site Plan” from “Disconnect and remove the existing underground electrical feeders.....,” to read as follows; “**Disconnect, remove, and store the existing underground electrical feeders.....**” Make this change in pen and ink.

In the Plans, Sheet Number 7 of 7, "UTILITY BUILDING DETAILS" **CHANGE** the callout in the upper right corner from "REMOVE AND STORE LARGE STONES AT THE DIRECTION...." to read as follows; "**REMOVE AND STORE LARGE STONES AND STEEL RACKS AT THE DIRECTION OF THE RESIDENT. PAYMENT SHALL BE INCIDENTAL TO PAY ITEM 815.272, UTILITY BUILDING CONCRETE FOUNDATION**" Make this change in pen and ink

The following questions have been received:

**Question:** Kindly let me know the date, time, and place of the mandatory pre-bid meeting.

**Response:** The mandatory Pre-bid meeting is scheduled for 2:00 PM, on Thursday, March 14<sup>th</sup>, in the conference room at the IMT building, located at 460 Commercial Street, Portland, Maine.

**Question:** Are the existing underground electrical feeders that presently serve the existing portable reefer service cables intended to become the Contractors property or are these to be handed over to the Maine Port Authority?

**Response:** The existing underground electrical feeders are to be handed over to the Maine Port Authority and stored on site at the location to be determined by the resident.

Consider these changes and information prior to submitting your bid on March 20, 2013.

Sincerely,



for. George M. A. Macdougall P.E.  
Contracts & Specifications Engineer

SCHEDULE OF ITEMS

CONTRACT ID: 018413.10

PROJECT(S): 18413.10

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
SECTION 0001 PROJECT ITEMS						
0010	304.091 AGGREGATE BASE COURSE-CRUSHED	LUMP	LUMP			
0020	403.210 HOT MIX ASPHALT 9.5 MM	50.000 T				
0030	403.213 HOT MIX ASPHALT 12.5 MM BASE	140.000 T				
0040	603.158 4" STORM DRAIN	LUMP	LUMP			
0050	626.1011 STAINLESS STEEL JUNCTION BOX	2.000 EA				
0060	626.113 PRECAST CONCRETE JUNCTION BOX - HEAVY DUTY	6.000 EA				
0070	626.322 CONCRETE PEDESTRIAL FOUNDATION	8.000 EA				
0080	626.45 ELECTRICAL CONDUIT, WIRING, & TRENCHING	LUMP	LUMP			
0090	626.91 POWER DISTRIBUTION PANELBOARD AND CIRCUIT BREAKERS	LUMP	LUMP			
0100	659.10 MOBILIZATION	LUMP	LUMP			

SCHEDULE OF ITEMS

CONTRACT ID: 018413.10

PROJECT(S): 18413.10

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0110	807.50 SECURITY PERSONNEL	LUMP	LUMP			
0120	807.60 TEMPORARY SECURITY FENCING	LUMP	LUMP			
0130	815.2711 UTILITY BUILDING - STRUCTURE	LUMP	LUMP			
0140	815.272 UTILITY BUILDING - CONCRETE FOUNDATION	LUMP	LUMP			
0150	815.273 UTILITY BUILDING - CONCRETE ENTRANCE SLAB	LUMP	LUMP			
0160	815.274 UTILITY BUILDING - CONCRETE INTERIOR SLAB	LUMP	LUMP			
0170	815.28 CONTRACTOR ALLOWANCE - CMP	\$3,000.00	\$3,000.00			
	SECTION 0001 TOTAL					
	TOTAL BID					

SPECIAL PROVISION

SECTION 104

UTILITIES

**MEETING**

A Preconstruction Utility Conference, as defined in Subsection 104.4.6 of the Standard Specifications **is required**.

**GENERAL INFORMATION**

These Special Provisions outline the arrangements that have been made by the Department for utility and/or railroad work to be undertaken in conjunction with this project. The following list identifies all known utilities or railroads having facilities presently located within the limits of this project or intending to install facilities during project construction.

**Overview:**

<b>Utility/Railroad</b>	<b>Aboveground</b>	<b>Underground</b>	<b>Wireless</b>
Central Maine Power	X	X	
City of Portland		X	
Time Warner Cable	X		
Fair Point	X	X	
Portland Water District		X	
Unitil Gas Co		X	
Galaxy Integrated			X

Temporary utility adjustments are not anticipated. If temporary relocation becomes necessary, sufficient time will need to be allowed prior to the construction for all required temporary relocation.

Any times and dates mentioned are estimates only and are dependent upon favorable weather, working conditions, and freedom from emergencies. The Contractor shall have no claim against the Department if they are exceeded.

Utility working days are Monday through Friday, conditions permitting. Times are estimated on the basis of a single crew for each utility.

The Contractor shall not excavate around any pole, guy anchor or street light to a depth that compromises the stability of the pole or undermine any existing duct bank or cables.

Unless otherwise specified, any underground utility facilities shown on the project plans represent approximate locations gathered from available information. The Department cannot certify the level of accuracy of this data. Underground facilities indicated on the topographic sheets (plan views) have been collected from historical records and/or on-site designations provided by the respective utility companies. Underground facilities indicated on the cross-sections, if applicable, have been carried over from the plan view data and may also include further approximations of the elevations (depths) based upon straight-line interpolation from the nearest manholes, gate valves, or test pits.

**Special note to Contractor and the Utilities:** The Contractor shall plan and schedule his work in such a manner that the utilities that are located on this project will not be harmed, damaged or impacted in any way. The Contractor is responsible for any damage to these lines and cost related to their repair. The Contractor and Utility will coordinate and communicate their work. This work will be done by the Contractor's Superintendent and the Utility contact listed below.

### **AERIAL**

No Aerial Utility adjustments are anticipated as part of this project. Aerial utilities are located outside project limits and should have no impact. Should the scope change the Contractor shall notify the above ground utilities immediately. No relocation or involvement of any kind is anticipated by the aerial utilities as part of the work, but the contractor should inspect this location, prior to bid, and be aware of the many low lines when preparing their bid and using machines that are over legal heights. If temporary relocation becomes necessary, the Contractor shall be responsible for such moves, sufficient time and cost. All above ground utility locations (hydrants, poles, guys, etc.) will be reviewed for compliance with the Department's Above Ground Pole Policy following the completion of the paving operation. Any above ground utility locations not meeting the Department's Above Ground Pole Policy will require relocation to the proper offset.

### **SUBSURFACE**

The **Portland Water District** maintains a water line and 20-ft wide easement from Commercial Street through the site's container storage facility and along the waterfront. Work within the easement must be coordinated with the **Portland Water District** since the water main will continue to be owned and operated by the PWD. No impacts are anticipated as part of this project. The **Portland Water District** will mark all line as part of the Contractors Digsafe request. The contact for the **Portland Water District** is Jon Earle at 774-5961.

The **City of Portland** has a sewer main that runs into the project. No impacts are anticipated as part of this project. **The City of Portland** will mark all line as part of the Contractors Digsafe request. The contact for the **City of Portland** is John Emerson at 874-8468.

**Unitil** has a gas line which extends from the Rubb Building to the Maintenance Building. No impacts are anticipated as part of this project. **Unitil** will mark all line as part of the Contractors Digsafe request. The **Unitil** contact is Sam Murray at 207-541-2528.

**Central Maine Power Company** has electrical lines which run throughout the scope of the project property. Lines extend from Commercial Street down to the waterfront and into the Maintenance Building and to the RUBB Building. No impacts are anticipated as part of this project. **Central Maine Power Company** will mark all line as part of the Contractors Digsafe request. The Central Maine Power Company contact is Gerry Norton at 242-1247.

**Fairpoint** has a cable and fiber line which run throughout the scope of the project property. Lines extend from Commercial Street, into a manhole and then down to the waterfront and into the Maintenance Building. These communication cables must not be interrupted during construction. New duct bank and storm drain will run parallel to these cables but should not conflict. The contractor is cautioned not to undermine these cables with the proposed work. The Contractor is responsible for any damage or disruption to these lines. The contact for **Fairpoint** is Marty Pease at 797-1119.

**Site lighting** currently exists on the property. These lights are fed by underground conduits originating from the existing Maintenance Building going in many directions to high mast light pole foundations. These underground conduits **will not** be marked by Digsafe. The Contractor is encouraged to have these lines located prior to excavating and not rely on the Electrical Trench Layout (sheet 3) to determine their location. Any cost related to this locating will be considered incidental to item 626.45 Electrical Conduit Wiring and Trenching. The Contractor is responsible for any damage to these lines and cost related to their repair.

**Galaxy Integrated** has a wireless security system on site. The system is currently connected to the Port Office Building located along Commercial Street and is linked to several security cameras and card readers throughout the project site. The security system is also linked to the City of Portland's emergency call centers. The contact for Galaxy Integrated is Michael Finnegan at 617-202-6388.

## **UTILITY SIGNING**

Any Contractor working within the construction limits of this project shall ensure that the traveling public is adequately protected at all times. All work areas shall be signed and protected as determined by field conditions. All traffic controls shall be in accordance with the latest edition of the Manual on Uniform Traffic Control Devices for Streets and Highways, as issued by the Federal Highway Administration.

## **SAFE PRACTICES AROUND UTILITY FACILITIES**

The Contractor shall be responsible for complying with M.R.S.A. Title35-A, Chapter 7-A Sections 751 -761 Overhead High-Voltage Line Safety Act. Prior to commencing any work that may come within ten (10) feet of any aerial electrical line; the Contractor shall notify the aerial utilities as per section 757 of the above act. Any work around and below aerial utilities shall be done using OSHA standards.

## **DIG SAFE**

The Contractor shall be responsible for determining the presence of underground utility facilities prior to commencing any excavation work and shall notify utilities of proposed excavation in accordance with M.R.S.A. Title 23 §3360-A, Maine "Dig Safe" System.

## **MAINTAINING UTILITY LOCATION MARKINGS**

The Contractor will be responsible for maintaining the buried utility location markings following the initial locating by the appropriate utility or their designated representative.

<b><u>Utility Companies</u></b>	<b><u>Utility Contact</u></b>	<b><u>Phone</u></b>
Central Maine Power Co.	Gerry Norton	207-242-1247
City of Portland (sanitary sewer)	John Emerson	207-874-8468
Fair Point Communications	Marty Pease	207-797-1119
Unitil	Sam Murray	207-541-2528
Time Warner Cable	Stan Thompson	207-253-2290
Portland Water District	Jon Earle	207-774-5961
Galaxy Integrated	Michael Finnegan	617-202-6388

**THE CONTRACTOR SHALL PLAN AND CONDUCT HIS WORK ACCORDINGLY AS WELL AS MAKE CONTACT WITH THE UTILITY DIRECTLY AS THE SITUATION WARRENTS.**

SPECIAL PROVISION

SECTION 104

GENERAL RIGHTS AND RESPONSIBILITIES

(Permits)

MaineDOT has furnished the City of Portland (City) with an Administration Authorization Application and a Building Permit Application for the Project, and is actively working with the City to fulfill project related code obligations.

While the authorization approval and permit approval have not yet been secured, MaineDOT assumes risk associated with any delays of Contract work performed by the Contractor related to delays of final approvals and permits being issued. Any related delay will begin upon the Resident issuing a Stop Work Order in response to City code concerns. It will be the responsibility of the Resident and the Contractor to work together to communicate, coordinate, and furnish project work information to the City regarding meeting code requirements, authorization, and permit issuance.

## SPECIAL PROVISION

### SECTION 105

#### GENERAL SCOPE OF WORK

##### (Contractor Access to Construction Areas)

The Contractor is advised that the Portland International Marine Terminal is identified as a Marine Transportation Security Act (MTSA) 105 site defined by Homeland Security, and is comprised of a container storage area of approximately 13 acres of ground storage. The work associated with this project will occur at the eastern end of the terminal yard as shown in the contract drawings, and will require the use of temporary security fencing to designate the Primary Construction Zone. Within the Primary Construction Zone, the Contractor will be required to performing trenching activities including the installation of conduits and wires, in-ground concrete junction boxes, storm drains, concrete pedestals, and reefer outlet assemblies. The Contractor will install hot mix asphalt as part of the final work. Additional work elements occur outside of the Primary Construction Zone and shall be addressed as outlined below.

Upon commencement of the project, the Contractor will establish the Primary Construction Zone within the eastern 4 acres of the terminal where the majority of the work will occur. The Primary Construction Zone will be defined by a series of temporary chain link fence segments erected by the Contractor, and will encompass the Primary Construction Zone immediately to the east of the Maintenance Building. Once the Primary Construction Zone is established, the Contractor will not be allowed to breach the temporary security fencing at will in order to work in the restricted zones. Work by the Contractor in the Storage Yard, namely the port operation area, will be possible by the Contractor only on a scheduled basis and by employees with the proper security clearance, such as with TWIC Cards (Transportation Worker Identification Credential), or with proper third-party Security Personnel with TWIC cards. Persons entering into the Storage Yard will be required to sign-in with the Port Operator upon entering the terminal, and likewise will be required to sign out upon exiting the terminal. Scheduling by the Contractor should be made on a weekly basis to ensure that access can be readily granted by the Port Operator. Similarly, the Port Operator will notify the Contractor on a weekly basis of scheduled terminal activity so that both container operations and construction work can occur simultaneously and without interruption.

The following activities will occur within the Storage Yard (port operation area) and therefore will require that the Contractor plan its efforts accordingly:

- Trenching and conduit installation adjacent to the existing utility building;
- Construction of a new utility building adjacent to the existing utility building; and
- Final pavement at designated locations.

The Contractor will be required to obtain the proper Security Clearance for its employees and subcontractors to the extent that these employees will be required to work outside of the Primary Construction Zone as indicated on the Plans. Alternatively, the Contractor may elect to employ a

third-party security firm whose sole responsibility is to monitor the Contractor's employees or its subcontractors in order to fulfill the facility's security requirements. Payment for Security Personnel shall be in accordance with Section 807, Security Requirements.

To ensure compliance with MTSA 105 at all times, the Contractor shall assume that all of its employees who will be working outside of the Primary Construction Zone will be required to have security clearance to be present within these otherwise restricted zones, and will maintain on its person at all times the Port Security badges it receives from the Port Authority. Employees will be required to keep badges on their person at all times and will be required to return the temporary badges upon completion of the project or the completion of their portion of the work. Employees shall adhere to the restrictions placed on such temporary access, and will be required to acknowledge a basic understanding of these requirements upon completion of a 15-minute presentation by the Port Operator. While the presentation is routine in nature, the importance of site security at an international waterfront facility will be emphasized. Contact information for TWIC cards and Port Authority badges will be provide to the Contractor upon commencement of the project.

In addition to Port Security clearance, employees will be required to obtain City of Portland identification cards for the duration of the project. Similar to the Port Security cards, employees shall maintain possession of the identification cards at all times, and shall return the temporary cards upon completion of the project or the completion of their portion of the work.

See Special Provision 807, Security Requirements, for more information.

## SPECIAL PROVISION

### SECTION 105

#### GENERAL SCOPE OF WORK

(Summary of Project)

This project titled, "Portland International Marine Terminal Improvements, Phase 2 – Electrical Improvements," consists of making electrical improvements at the International Marine Terminal (IMT) in Portland, Maine during active facility operations. This work is in support of Eimskip, Inc., an Icelandic shipping firm whose operations include shipping refrigerated cargo containers through the Portland IMT facility, and is critical to time sensitive business development opportunity.

The work as shown on the plans and described in the special provisions includes, but is not limited to trenching, installing conduit and wiring reefer outlets, utility building construction, electrical panels, pedestals for mounted reefer outlet assemblies, storm drain, pavement, and other related work.

Additional project requirements include coordination with the port operator on a daily basis to ensure unhindered port operations throughout the project. The Contractor will also be required to provide TWIC personnel and/or a full-time security agent in accordance with SP 105 and SP 807 for work occurring outside of the Primary Construction Zone.

The MaineDOT is procuring the following items noted below from ESL Power Systems. The anticipated delivery date of these units is the first week of May, 2013. A schematic view of the units is shown on Sheet 3 of the Drawings.

- 12-Gang Portable Reefer Outlet Assembly (Quantity: 6 total).
- 8-Gang Pedestal-Mounted Reefer Outlet Assembly (Quantity: 6 total).

The Contractor shall be responsible for all project work described in the plans and specifications other than fabrication and delivery of the 12 units described above to the IMT, and shall schedule project work accordingly.

**Special Provision**

**SECTION 107**

**TIME**

**(Supplemental Liquidated Damages)**

**Supplemental Liquidated Damages resulting from the Contractor's failure to complete the Work within the Contract Time will be assessed at the rate of \$ 2000.00 (Two-Thousand Dollars) per Calendar Day.**

SPECIAL PROVISION

SECTION 304

AGGREGATES  
(Aggregate Base)

304.01 Description

The following paragraph is added:

This work shall consist of installation of base aggregates at the two pavement locations identified on Sheet A1 of Addendum 1.

Installation of the aggregate base at these two locations will include the following: sawcutting of existing pavement, removal of pavement and subgrade to a depth of approximately 18 inches below grade; compaction of existing subgrade; and placement and compaction of new aggregate base. Off-site hauling of excess materials shall also be included.

The installation of aggregate base materials used in trenches, junction boxes, pedestals, or the utility building foundation is not covered by this specification, but rather is incidental to those items.

304.06 Method of Measurement

The following paragraph is added:

Aggregate Base Course – Crushed shall be measured by the Lump Sum.

304.07 Basis of Payment

This section is replaced with the following:

The accepted quantities of Aggregate Base Course – Crushed will be paid for at the respective contract lump sum price. Payment for Aggregate Base Course – Crushed shall be full compensation for purchasing aggregate material, sawcutting, excavating, hauling, placing, compacting, hauling of waste materials off-site, and other necessary processes which are required to complete this work.

<u>Pay Item</u>	<u>Pay Unit</u>
304.091 Aggregate Base Course – Crushed	Lump Sum

SPECIAL PROVISION

SECTION 603

PIPE CULVERTS AND STORM DRAINS

(4-inch Storm Drain)

603.01 Description

The following paragraph is added:

This work shall consist of installation of storm drain pipe to the limits shown on the contract drawings. Storm drain pipe shall be installed below the proposed conduit materials, and shall outlet to Catch Basin #13A at the elevation shown. The catch basin wall will require coring to provide proper outlet, and the annulus shall be filled with a non-shrink cementitious mortar.

The storm drain pipe shall consist of PVC material in accordance with Section 706.06 of the MaineDOT Standard Specifications. The storm drain pipe shall not contain any slots.

603.11 Method of Measurement

The following paragraph is added:

4-inch Storm Drain shall be measured by the lump sum.

603.12 Basis of Payment

The following paragraph is added:

The accepted quantity of 4-inch Storm Drain will be paid at the contract lump sum price which shall be full compensation for sawcutting pavement, excavation, compaction, pipe materials including tees and connections, temporary shoring, coring of the existing catch basin, mortar patching, and back filling. All labor, equipment, and all other incidentals necessary to complete the work shall be considered incidental to the 4-inch Storm Drain pay item.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
603.158 4-inch Storm Drain	Lump Sum

SPECIAL PROVISION

SECTION 807

SECURITY REQUIREMENTS

(Security Personnel)  
(Temporary Security Fencing)

807.01 Description

The following paragraph is added:

The Portland International Marine Terminal is an active container terminal and is registered as an MTSA 105 secured waterfront facility in accordance with national policies of Homeland Security. As such, this Special Provision is included as part of the project requirements to clearly differentiate between the Primary Construction Zone where unrestricted Contractor access and activities may occur, and the Storage Yard where access by the Contractor is limited as described in Special Provision 105.

Security Personnel shall be employed by the Contractor to monitor the Contractor's activities while the Contractor's personnel or its subcontractors are working outside of the Primary Construction Zone. The security person shall have a valid TWIC card and shall not be engaged in construction activities, and may be a third-party person employed by the Contractor. There shall be one security person for every five construction workers working in one area outside of the Primary Construction Zone. If there is more than one area of construction activity ongoing, and the security person is not capable of monitoring the activities and/or whereabouts of the construction workers at one time, then additional security personnel shall be employed as needed at no additional cost to the MaineDOT.

A Temporary Security Fence shall be installed at the locations shown on Sheet A1 in Addendum No. 1 to delineate the Primary Construction Zone from the Storage Yard and the remainder of the terminal. All work and materials shall conform to the provisions of the State of Maine Department of Transportation Standard Specifications, Revision December 2002, Section 607 - Fences with modifications noted herein.

807.02 Materials

The Temporary Security Fence shall be 6-ft high with interlocking individual sections and shall be capable of mobility (realignment) by a two-man crew so as to accommodate traffic patterns and movements within the terminal as directed by the Resident or port operator.

807.20 Method of Measurement

Security Personnel shall be measured by the Lump Sum.

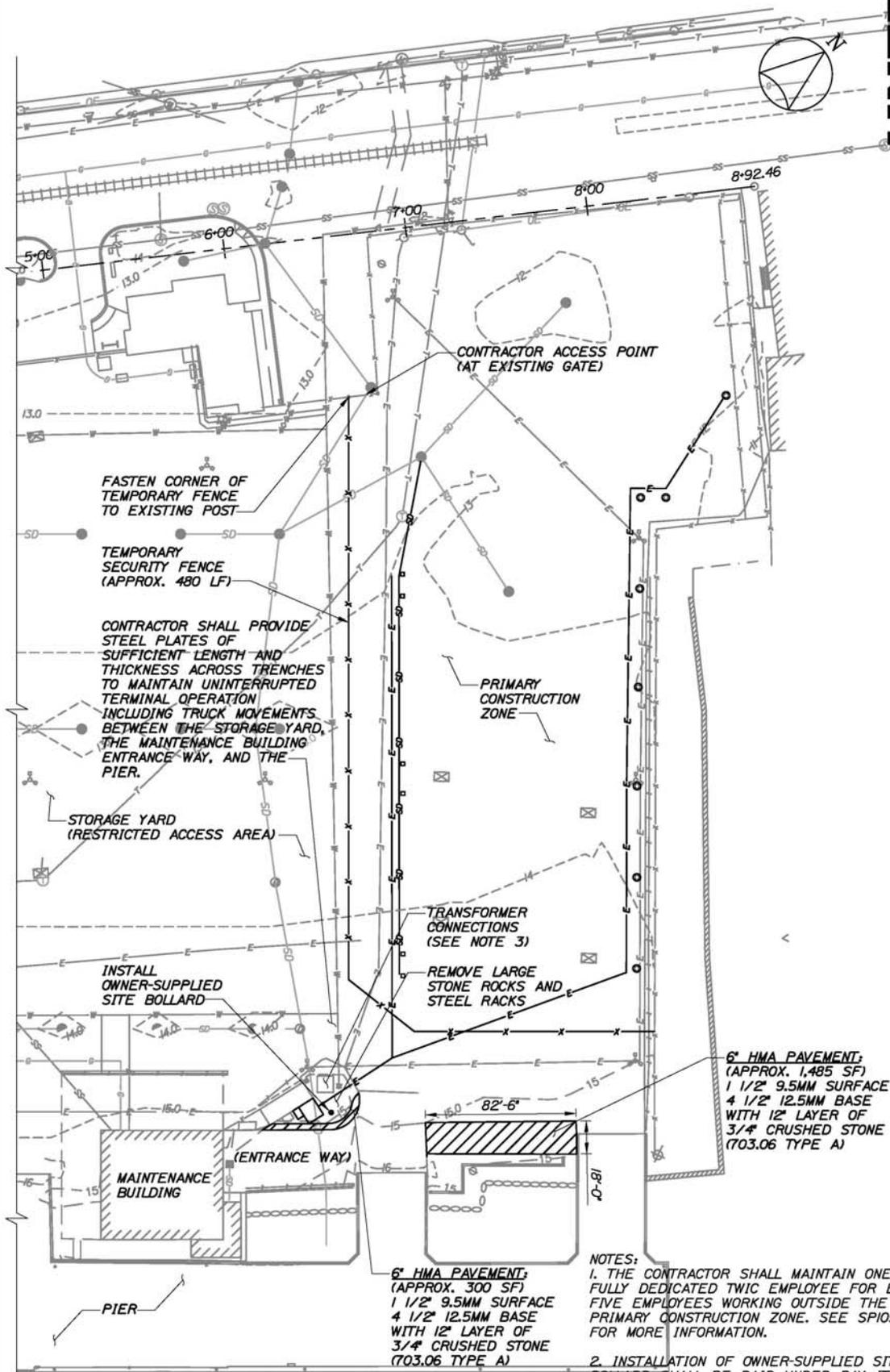
Temporary Security Fence shall be measured by the Lump Sum.

807.21 Method of Payment

Security Personnel shall be paid for under Pay Item 807.50, which shall be full compensation for one or more individuals with valid TWIC cards to fulfill the requirements of this section. TWIC cards which expire during the construction project shall be incidental to the cost of Security Personnel.

Temporary Security Fence shall be paid for under Pay Item 807.60, which shall be full compensation for all materials, labor, and equipment necessary to install the temporary security fencing as shown on Sheet A1 of Addendum No. 1. Movements, relocations, and realignments of the temporary security fence shall not be paid for individually, but rather shall be incidental to the pay item.

<u>Pay Item</u>	<u>Pay Unit</u>
807.50 Security Personnel	Lump Sum
807.60 Temporary Security Fencing	Lump Sum



FASTEN CORNER OF TEMPORARY FENCE TO EXISTING POST

TEMPORARY SECURITY FENCE (APPROX. 480 LF)

CONTRACTOR SHALL PROVIDE STEEL PLATES OF SUFFICIENT LENGTH AND THICKNESS ACROSS TRENCHES TO MAINTAIN UNINTERRUPTED TERMINAL OPERATION INCLUDING TRUCK MOVEMENTS BETWEEN THE STORAGE YARD, THE MAINTENANCE BUILDING ENTRANCE WAY, AND THE PIER.

STORAGE YARD (RESTRICTED ACCESS AREA)

INSTALL OWNER-SUPPLIED SITE BOLLARD

TRANSFORMER CONNECTIONS (SEE NOTE 3)

REMOVE LARGE STONE ROCKS AND STEEL RACKS

6" HMA PAVEMENT; (APPROX. 1,485 SF)  
1 1/2" 9.5MM SURFACE  
4 1/2" 12.5MM BASE WITH 12" LAYER OF 3/4" CRUSHED STONE (703.06 TYPE A)

6" HMA PAVEMENT; (APPROX. 300 SF)  
1 1/2" 9.5MM SURFACE  
4 1/2" 12.5MM BASE WITH 12" LAYER OF 3/4" CRUSHED STONE (703.06 TYPE A)

NOTES:  
1. THE CONTRACTOR SHALL MAINTAIN ONE FULLY DEDICATED TWIC EMPLOYEE FOR EVERY FIVE EMPLOYEES WORKING OUTSIDE THE PRIMARY CONSTRUCTION ZONE. SEE SPIO5 FOR MORE INFORMATION.

2. INSTALLATION OF OWNER-SUPPLIED SITE BOLLARD SHALL BE PAID UNDER PAY ITEM 815.272 UTILITY BUILDING - CONCRETE FOUNDATION.

3. CONTRACTOR SHALL COORDINATE WITH CMP TO CORE THE VAULT FOR CONDUIT PENETRATIONS AND FINAL CONNECTIONS TO THE TRANSFORMER. PAYMENT SHALL BE INCIDENTAL TO PAY ITEM 626.45.

**ELECTRICAL TRENCH LAYOUT**  
SCALE: 1"=40'

PROJ. MANAGER	CRAIG R. MORIN	DATE	DATE
DESIGN-DETAILED	HME	3/8/13	SIGNATURE
CHECKED-REVIEWED	CRM	3/8/13	P.E. NUMBER
DESIGNS-DETAILED	-	-	DATE
REVISIONS 1	-	-	-
REVISIONS 2	-	-	-
REVISIONS 3	-	-	-
REVISIONS 4	-	-	-
FIELD CHANGES	-	-	-

PORTLAND INTERNATIONAL  
MARINE TERMINAL IMPROVEMENTS  
PORTLAND CUMBERLAND COUNTY  
**PROPOSED SITE SECURITY AND  
ADDITIONAL WORK ELEMENTS**

SHEET NUMBER  
**A1**