



Paul R. LePage
GOVERNOR

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

David Bernhardt
COMMISSIONER

July 31, 2014
Subject: **Portland IMT**
State WIN: 022809.20
Amendment No. 1

Dear Sir/Ms:

Make the following changes to the Bid Documents:

In the Bid Book (pages 12 thru 30) **REMOVE** the "Proposal Schedule of Items" 19 pages dated 7/14/2014 and **REPLACE** with the attached new "Proposal Schedule of Items" 18 pages dated 7/30/2014.

In the Bid Book (page 64) "SPECIAL PROVISION, SECTION 104, GENERAL RIGHTS AND RESPONSIBILITIES, (Utility Coordination)" in the fourth paragraph, fourth sentence that begins; "This work must be done within ..." **DELETE** the words "**for long**". Make this change in pen and ink.

In the Bid Book (pages 92 thru 95) **REMOVE** "SPECIAL PROVISION, SECTION 203, EXCAVATION AND EMBANKMENT, (soil management)" 4 pages dated July 11, 2014 and **REPLACE** with the attached new "SPECIAL PROVISION, SECTION 203, EXCAVATION AND EMBANKMENT, (SOIL MANAGEMENT)" 26 pages dated July 31, 2014.

In the Bid Book (page 133) "SPECIAL PROVISIONS, SECTION 502, STRUCTURAL CONCRETE" **DELETE** section "502.031 Special Textured Surfaces" and **REPLACE** with the following in pen and ink; **"The Concrete Loading Slab Barrier shall receive an aesthetic treatment of alternating flat surfaces and recessed textured patterns produced via concrete form liners in designated areas along the vertical façade facing Commercial Street throughout the length of the wall as shown on the structural plans and details. Up to five unique and custom-made textured patterns will be required. The specific design details of the custom-made textured patterns will be provided to the contractor by October 31, 2014. Form liners shall be constructed so that they may be reused several times throughout the wall."**

In the Bid Book (page 183) "SPECIAL PROVISION, SECTION 608, SIDEWALKS", section 608.02, **ADD** the following in pen and ink: **"J. The manufacturer shall provide written documentation that the pervious precast concrete slabs come with a five year (minimum) warranty against cracking and/or spalling."**



PRINTED ON RECYCLED PAPER

In the Bid Book (page 192) “SPECIAL PROVISION, SECTION 626, FOUNDATIONS, CONDUITS, AND JUNCTION BOXES ...” section “626.231 Secondary Wiring” **ADD** the following: **“Fire alarm cable shall be certified as appropriate for use with the manual pull stations and the strobes being installed.”** Please note, also, that two of the three fire pull stations will require 24-inch diameter foundations under 626.32 (Card reader, pedestal pole); therefore, the quantity for this item shall be increased from 15 to 17. The third station is located on the concrete loading slab and can be anchored directly to the slab wheel stop.

In the Bid Book (page 195) “SPECIAL PROVISION, SECTION 626, FOUNDATIONS, CONDUITS, AND JUNCTION BOXES ...” section “626.742 Fire Alarm Pull Stations” **ADD** the following in pen and ink; **“Fire alarm pull stations shall also include a strobe light, vertical stanchion (based on the City of Portland standard), and a base anchorage (for mounting to a 24-inch diameter concrete foundation, see pay item 626.32).”**

In the Bid Book (page 284) **REMOVE** “SPECIAL PROVISION, SECTION 815, BUILDINGS” 1 page dated July 11, 2014 and **REPLACE** with the attached new “SPECIAL PROVISION, SECTION 815, BUILDINGS” 1 page dated July 31, 2014

Attachments;

1. As-Builts – Fender Fabrication – 2 sheets
2. Common Excavation On-Site Material Storage – 6 sheets
3. Construction Classifications – 1 sheet
4. Meeting Sign-in Sheet – 2 sheets
5. Pre-Bid & Site Walk – 3 sheets

The following questions have been received:

Question: The Mast Arms on this project are noted on the plans as having a dual purpose pole which indicates there will be a luminaire on the pole. Please provide information as to the mounting height of the luminaire, whether the luminaire will use a bracket arm or if this will be tenon mounted on the top of the vertical pole, if there is a bracket arm what length this will be and what type or model number of luminaire is to be used?

Response: Regarding the dual-purpose mast poles and luminaire requirements:

- a. The luminaire at the southeast corner of the intersection shall be a cut-off roadway light; 250-watt high pressure sodium lamp mounted at 24 ft using a 6-ft bracket arm. The material coating shall match that of the mast pole. The luminaire shall be positioned such that it remains 10 ft away from the overhead electrical lines between poles #66 and #58 (see Sheet E01).
- b. The luminaires at the northeast and northwest corner of the intersection shall be cut-off roadway lights; 150-watt high pressure sodium lamps mounted at 24 ft using a 6-ft bracket arm. The material coating shall match that of the mast poles.

Question: The 55' Mast Arm on this project is noted on the plans as to having a "Hinged Mast Arm". Can a rotating mast arm base be used as an alternative to a hinged mast arm for this project?

Response: No. A rotating mast arm base may not be used as an alternate to the specified hinged mast arm.

Question: Regarding Brick Sidewalks: Note 5 on HO2 states that the HMA below the bricks will be paid under 403.209. Will the gravel be paid under 304.09 and the excavation under 203.20 or are these two items incidental to the brick?

Response: Yes. For pay item "Brick Sidewalk with Bituminous Base" described on Sheet H02 Note 5, the gravel will be paid for under 304.09 and the excavation will be paid for under 203.20.

Question: Regarding the three fire hydrants, Item 824.30, are they the round objects along the wall? Approximate stationing; 206+23 RT, 209+23 RT & 211+95 RT. Would they be standard PWD hydrant even though the main is 4"? Please provide hydrant and connection details to the new 4" PVC main.

Response: No. The three fire hydrants, item 824.30, are located with the entranceway and the chassis storage yard and are fed from the new water line (see Sheet C10). The three water devices along the concrete safety barrier are standpipes whose details are provided on Sheet C20. Connection details for standpipes and hydrants are shown on Sheet C20.

Question: Note 1 on drawing M01 calls for a fender panel weighing less than 6,000#'s, while Special Provision 504.032 – "Steel Closed-Box Panel" calls for panels weighing less than 10,000#'s. Which is correct?

Response: The language in Special Provision 504.032 is correct. The steel closed-box panel shall weigh less than 10,000 lbs. The Contractor shall compare the weight of the existing panel to that of the proposed panel, and install additional weight chains to support the proposed panels.

Question: Is the Contractor responsible for "capping" material disposed of on-site as described in section 203, page 92?

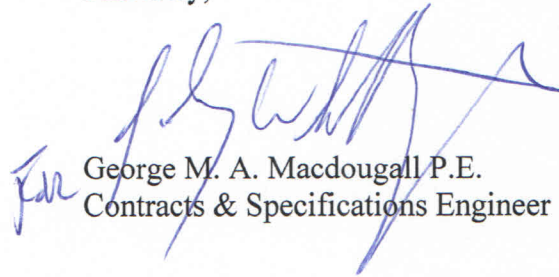
Response: See revised Special Provision 203 EXCAVATION AND EMBANKMENT (Soil Management).

Question: Should there be a pay item for Underwater Granular Borrow or Geotextile Wrapped Stone for areas of potential undercut due to unsuitable subgrade?

Response: No

Consider this change and information prior to submitting your bid on August 13, 2014.

Sincerely,

A handwritten signature in blue ink, appearing to read "G. Macdougall", is written over the printed name and title. The signature is stylized with a large initial "G" and a long horizontal stroke.

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

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Proposal Schedule of Items

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Proposal ID: 022809.20

Project(s): 022809.20

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0010	201.11 CLEARING	3.000 AC	_____	_____	_____	_____
0020	201.23 REMOVING SINGLE TREE TOP ONLY	1.000 EA	_____	_____	_____	_____
0030	201.24 REMOVING STUMP	1.000 EA	_____	_____	_____	_____
0040	202.15 REMOVING MANHOLE OR CATCH BASIN	1.000 EA	_____	_____	_____	_____
0050	202.202 REMOVING PAVEMENT SURFACE	3,900.000 SY	_____	_____	_____	_____
0060	202.203 PAVEMENT BUTT JOINTS	180.000 SY	_____	_____	_____	_____
0070	203.20 COMMON EXCAVATION	14,900.000 CY	_____	_____	_____	_____
0080	203.2312 HEALTH AND SAFETY PLAN	LUMP SUM	LUMP SUM		_____	_____
0090	203.2333 DISPOSAL OF SPECIAL EXCAVATION	150.000 T	_____	_____	_____	_____
0100	206.0612 STRUCTURAL EARTH EXCAVATION, SLAB SLAB	7,750.000 CY	_____	_____	_____	_____
0110	304.09 AGGREGATE BASE COURSE - CRUSHED TYPE B	2,150.000 CY	_____	_____	_____	_____
0120	304.104 AGGREGATE SUBBASE COURSE (PLAN QUANTITY) TYPE D	24,150.000 CY	_____	_____	_____	_____

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			Dollars	Cents	Dollars	Cents
0130	304.14 THERMAL SAND	54.000 CY				
0140	403.208 HOT MIX ASPHALT 12.5 MM HMA SURFACE	710.000 T				
0150	403.209 HOT MIX ASPHALT 9.5 MM (SIDEWALKS, DRIVES, INCIDENTALS)	190.000 T				
0160	403.2104 HOT MIX ASPHALT 9.5 MM - THIN LIFT SURFACE TREATMENT	210.000 T				
0170	403.211 HOT MIX ASPHALT (SHIMMING)	50.000 T				
0180	403.213 HOT MIX ASPHALT 12.5 MM BASE	640.000 T				
0190	409.15 BITUMINOUS TACK COAT - APPLIED	4,170.000 G				
0200	411.12 CRUSHED STONE SURFACE	3,950.000 T				
0210	419.30 SAW CUTTING BITUMINOUS PAVEMENT	3,000.000 LF				
0220	502.496 STRUCTURAL CONCRETE, LOADING SLAB	2,200.000 CY				
0230	502.497 STRUCTURAL CONCRETE, LOADING SLAB BARRIER	440.000 CY				

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			Dollars	Cents	Dollars	Cents
0240	502.601 STRUCTURAL CONCRETE, TRANSFORMER	LUMP SUM	LUMP	SUM	_____	_____
0250	502.606 STRUCTURAL CONCRETE, SECURITY BUILDING SLAB	LUMP SUM	LUMP	SUM	_____	_____
0260	502.76 CONCRETE SLAB SCUPPERS	41.000 EA	_____	_____	_____	_____
0270	503.14 EPOXY-COATED REINFORCING STEEL, FABRICATED AND DELIVERED	667,000.000 LB	_____	_____	_____	_____
0280	503.15 EPOXY-COATED REINFORCING STEEL, PLACING	667,000.000 LB	_____	_____	_____	_____
0290	504.623 REMOVE AND DISPOSE EXISTING FENDER PANEL	6.000 EA	_____	_____	_____	_____
0300	504.631 REMOVE AND REINSTALL UHMW WEARING SURFACE 1 FOOT PIECE	18.000 EA	_____	_____	_____	_____
0310	504.632 REMOVE AND REINSTALL UHMW WEARING SURFACE 11 FOOT PIECE	16.000 EA	_____	_____	_____	_____
0320	504.633 REMOVE AND DISPOSE BENT STEEL FENDER HP 10 X 42	20.000 LF	_____	_____	_____	_____
0330	504.641 REPLACE SHEAR CHAIN UPPER	32.000 EA	_____	_____	_____	_____
0340	504.641 REPLACE SHEAR CHAIN LOWER	32.000 EA	_____	_____	_____	_____

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			Dollars	Cents	Dollars	Cents
0350	504.642 SUPPORT CHAIN	6.000 EA	_____	_____	_____	_____
0360	504.643 UHMW WEARING SURFACE 1 FOOT PIECE	100.000 EA	_____	_____	_____	_____
0370	504.644 UHMW WEARING SURFACE 11 FOOT PIECE	50.000 EA	_____	_____	_____	_____
0380	504.65 STEEL FENDER PANEL, CLOSED BOX, WITH UHMW WEARING SURFACE	6.000 EA	_____	_____	_____	_____
0390	515.20 PROTECTIVE COATING FOR CONCRETE SURFACES SPECIAL	8,200.000 SY	_____	_____	_____	_____
0400	525.74 INTERPRETIVE SIGN BASE	3.000 EA	_____	_____	_____	_____
0410	526.35 PERMANENT CONCRETE JERSEY BARRIER	550.000 LF	_____	_____	_____	_____
0420	603.155 12 INCH REINFORCED CONCRETE PIPE CLASS III	26.000 LF	_____	_____	_____	_____
0430	603.165 15 INCH REINFORCED CONCRETE PIPE CLASS III	456.000 LF	_____	_____	_____	_____
0440	603.175 18 INCH REINFORCED CONCRETE PIPE CLASS III	16.000 LF	_____	_____	_____	_____
0450	603.1952 24 INCH REINFORCED CONCRETE PIPE CLASS V	120.000 LF	_____	_____	_____	_____

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			Dollars	Cents	Dollars	Cents
0460	603.4105 CONCRETE PIPE COLLAR	4.000 EA				
0470	603.98 STORM OVERFLOW SLIPLINE	LUMP SUM		LUMP SUM		
0480	603.99 STORM OVERFLOW LINING	LUMP SUM		LUMP SUM		
0490	604.11 CATCH BASIN TYPE C1 48"	8.000 EA				
0500	604.152 48 INCH MANHOLE	1.000 EA				
0510	604.158 UTILITY VAULT 4FT X 8 FT	1.000 EA				
0520	604.161 ALTERING CATCH BASIN	1.000 EA				
0530	604.166 REBUILDING MANHOLE	2.000 EA				
0540	604.17 ALTERING MANHOLES TO CATCH BASINS	3.000 EA				
0550	604.18 ADJUSTING MANHOLE OR CATCH BASIN TO GRADE	8.000 EA				
0560	604.249 CATCH BASIN TYPE F6-C	3.000 EA				
0570	604.252 CATCH BASIN TYPE A5-C 48"	1.000 EA				
0580	605.09 6 INCH UNDERDRAIN TYPE B	1,100.000 LF				

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			Dollars	Cents	Dollars	Cents
0590	605.11 12 INCH UNDERDRAIN TYPE C	2,450.000 LF	_____	_____	_____	_____
0600	605.13 18 INCH UNDERDRAIN TYPE C	1,150.000 LF	_____	_____	_____	_____
0610	607.1701 TEMPORARY CHAIN LINK FENCE - 6' MOVEABLE MOVEABLE	1,000.000 LF	_____	_____	_____	_____
0620	607.181 CHAIN LINK FENCE - 8 FOOT HIGH SECURITY	2,500.000 LF	_____	_____	_____	_____
0630	607.231 CHAIN LINK FENCE GATE, 4 FOOT CRASH GATE	1.000 EA	_____	_____	_____	_____
0640	607.232 CHAIN LINK FENCE GATE, 3 FOOT	1.000 EA	_____	_____	_____	_____
0650	607.243 REMOVE CHAIN LINK FENCE	1,150.000 LF	_____	_____	_____	_____
0660	607.244 REPAIR CHAIN LINK FENCE	110.000 LF	_____	_____	_____	_____
0670	607.25 REMOVE AND RESET CHAIN LINK FENCE	200.000 LF	_____	_____	_____	_____
0680	607.251 REMOVE AND RESET CHAIN LINK FENCE AND GATE	100.000 LF	_____	_____	_____	_____
0690	607.34 BRACING ASSEMBLY CHAIN LINK FENCE	44.000 EA	_____	_____	_____	_____
0700	607.490 CHAIN LINK GATE - 16 FT. SWING	1.000 EA	_____	_____	_____	_____

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			Dollars	Cents	Dollars	Cents
0710	607.4902 CHAIN LINK GATE, 24 FOOT DOUBLE LEAF SWING GATE	1.000 EA	_____	_____	_____	_____
0720	607.4903 CHAIN LINK GATE, 32 FOOT DOUBLE LEAF SWING GATE	1.000 EA	_____	_____	_____	_____
0730	607.4911 MOTORIZED SLIDE GATE - 24 FT.	6.000 EA	_____	_____	_____	_____
0740	607.4922 REMOVE 4 FOOT SWING GATE	1.000 EA	_____	_____	_____	_____
0750	607.4923 REMOVE 24 FOOT SWING GATE	2.000 EA	_____	_____	_____	_____
0760	607.4924 REMOVE 16 FOOT SLIDING GATE	1.000 EA	_____	_____	_____	_____
0770	607.4925 REMOVE & RESET MOTORIZED SLIDING GATE, 20 FOOT CHAIN LINK	1.000 EA	_____	_____	_____	_____
0780	607.92 HEAVY STEEL HIGH SECURITY PALISADE FENCE, 6 FOOT	750.000 LF	_____	_____	_____	_____
0790	607.94 HEAVY STEEL HIGH SECURITY PALISADE FENCE, 8 FOOT	870.000 LF	_____	_____	_____	_____
0800	608.08 REINFORCED CONCRETE SIDEWALK	16.000 SY	_____	_____	_____	_____
0810	608.15 BRICK SIDEWALK WITH BITUMINOUS BASE	531.000 SY	_____	_____	_____	_____

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			Dollars	Cents	Dollars	Cents
0820	608.16 BRICK DRIVEWAY WITH BITUMINOUS BASE	251.000 SY	_____	 _____	_____	 _____
0830	608.26 CURB RAMP DETECTABLE WARNING FIELD	216.000 SF	_____	 _____	_____	 _____
0840	608.28 GRANITE PAVERS WITH SAND BASE & CEMENT	5.000 SY	_____	 _____	_____	 _____
0850	608.282 GRANITE PAVERS WITH CONCRETE BASE	42.000 SY	_____	 _____	_____	 _____
0860	608.292 PERVIOUS PRECAST CONCRETE PAVER	320.000 SY	_____	 _____	_____	 _____
0870	609.11 VERTICAL CURB TYPE 1	1,950.000 LF	_____	 _____	_____	 _____
0880	609.12 VERTICAL CURB TYPE 1 - CIRCULAR	305.000 LF	_____	 _____	_____	 _____
0890	609.234 TERMINAL CURB TYPE 1 - 4 FOOT	4.000 EA	_____	 _____	_____	 _____
0900	609.237 TERMINAL CURB TYPE 1 - 7 FOOT	8.000 EA	_____	 _____	_____	 _____
0910	609.2371 TERMINAL CURB TYPE 1- 7 FT - CIRCULAR	10.000 EA	_____	 _____	_____	 _____
0920	609.26 CURB TRANSITION SECTION B TYPE 1	4.000 EA	_____	 _____	_____	 _____

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			Dollars	Cents	Dollars	Cents
0930	609.31 CURB TYPE 3	39.000 LF				
0940	609.34 CURB TYPE 5	175.000 LF				
0950	609.35 CURB TYPE 5 - CIRCULAR	24.000 LF				
0960	613.319 EROSION CONTROL BLANKET	400.000 SY				
0970	615.07 LOAM	280.000 CY				
0980	618.1301 SEEDING METHOD NUMBER 1 - PLAN QUANTITY	8.000 UN				
0990	619.1201 MULCH - PLAN QUANTITY	8.000 UN				
1000	619.1301 BARK MULCH	18.000 CY				
1010	620.6011 SEPARATION GEOTEXTILE, SPECIAL	42,100.000 SY				
1020	620.73 STRIP DRAIN	2,050.000 LF				
1030	621.043 EVERGREEN TREES (6 FOOT - 8 FOOT) GROUP A	9.000 EA				
1040	621.046 EVERGREEN TR (8' - 10') GP A	5.000 EA				

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			Dollars	Cents	Dollars	Cents
1050	621.261 LARGE DECIDUOUS TREES (10 FOOT - 12 FOOT) GROUP A	3.000 EA	_____	_____	_____	_____
1060	621.285 LARGE DECIDUOUS TREE (3 INCH - 3.50 INCH CALIPER) GROUP A	19.000 EA	_____	_____	_____	_____
1070	621.401 DWARF EVERGREENS (2 FOOT - 2.50 FOOT) GROUP A	3.000 EA	_____	_____	_____	_____
1080	621.525 BAYBERRY (2 FOOT - 3 FOOT)	5.000 EA	_____	_____	_____	_____
1090	621.546 DECIDUOUS SHRUBS (2 FOOT - 3 FOOT) GROUP A	6.000 EA	_____	_____	_____	_____
1100	621.552 DECIDUOUS SHRUBS (3 FOOT - 4 FOOT) GROUP A	36.000 EA	_____	_____	_____	_____
1110	621.71 HERBACEOUS PERENNIALS GROUP A	16.000 EA	_____	_____	_____	_____
1120	621.80 ESTABLISHMENT PERIOD TWO YEAR	LUMP SUM	LUMP SUM		_____	_____
1130	626.11 PRECAST CONCRETE JUNCTION BOX EXTERIOR	2.000 EA	_____	_____	_____	_____
1140	626.213 METALLIC CONDUIT	LUMP SUM	LUMP SUM		_____	_____
1150	626.214 SUPPORTING DEVICES	LUMP SUM	LUMP SUM		_____	_____

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			Dollars	Cents	Dollars	Cents
1160	626.226 NON-METALLIC CONDUIT	LUMP SUM	LUMP	SUM	_____	_____
1170	626.233 SECONDARY WIRING	LUMP SUM	LUMP	SUM	_____	_____
1180	626.32 24 INCH FOUNDATION CARD READER AND PEDESTAL POLE, 5 FT	15.000 EA	_____	_____	_____	_____
1190	626.32 24 INCH FOUNDATION LIGHT STD, 11 FT	12.000 EA	_____	_____	_____	_____
1200	626.323 PEDESTAL REEFER OUTLET FOUNDATION	3.000 EA	_____	_____	_____	_____
1210	626.324 PEDESTAL REEFER OUTLET ASSEMBLY	3.000 EA	_____	_____	_____	_____
1220	626.332 30 INCH DIAMATER GREATER THAN 8 FEET LONG & 36 INCH DIAMETER, 42 INCH DIAMETER FOUNDATION	11.000 CY	_____	_____	_____	_____
1230	626.333 48 INCH DIAMETER, 54 INCH DIAMETER, & 60 INCH DIAMETER FOUNDATIONS	15.000 CY	_____	_____	_____	_____
1240	626.386 SERVICE METERING	LUMP SUM	LUMP	SUM	_____	_____
1250	626.42 GROUNDING	LUMP SUM	LUMP	SUM	_____	_____
1260	626.50 NETWORK BOXES	LUMP SUM	LUMP	SUM	_____	_____

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1270	626.74 PANELBOARD	LUMP SUM		LUMP SUM		
1280	626.742 FIRE ALARM PULL STATIONS	LUMP SUM		LUMP SUM		
1290	627.30 GROOVING FOR PAVEMENT MARKING	12,200.000 SF				
1300	627.4072 PREFORMED PAVEMENT MARKING TAPE LINE, GROOVED INSTALLATION	2,400.000 SF				
1310	627.4073 PREFORMED PAVEMENT MARKING TAPE LINE, HOT INLAY INSTALLATION	1,350.000 SF				
1320	627.4074 PREFORMED PAVEMENT MARKING TAPE SYMBOLS, HOT INLAY INSTALLATION	490.000 SF				
1330	627.75 WHITE OR YELLOW PAVEMENT & CURB MARKING	130.000 SF				
1340	627.943 COLORED GLASS PAVEMENT MARKING SYSTEM SYMBOLS	6,310.000 SF				
1350	629.05 HAND LABOR, STRAIGHT TIME	60.000 HR				
1360	631.12 ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	20.000 HR				
1370	631.13 BULLDOZER (INCLUDING OPERATOR)	20.000 HR				

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Proposal ID: 022809.20

Project(s): 022809.20

SECTION: 1

SECTION 1

Alt Set ID:

Alt Mbr ID:

Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
1380	631.172 TRUCK - LARGE (INCLUDING OPERATOR)	20.000 HR	_____	_____	_____	_____
1390	631.18 CHAIN SAW RENTAL (INCLUDING OPERATOR)	20.000 HR	_____	_____	_____	_____
1400	631.20 STUMP CHIPPER (INCLUDING OPERATOR)	20.000 HR	_____	_____	_____	_____
1410	631.22 FRONT END LOADER (INCLUDING OPERATOR)	20.000 HR	_____	_____	_____	_____
1420	631.32 CULVERT CLEANER (INCLUDING OPERATOR)	20.000 HR	_____	_____	_____	_____
1430	631.36 FOREPERSON	20.000 HR	_____	_____	_____	_____
1440	634.2041 LUMINAIRES	60.000 EA	_____	_____	_____	_____
1450	634.210 CONVENTIONAL LIGHT STANDARD TYPE 2	1.000 EA	_____	_____	_____	_____
1460	634.210 CONVENTIONAL LIGHT STANDARD TYPE 3	11.000 EA	_____	_____	_____	_____
1470	634.210 CONVENTIONAL LIGHT STANDARD TYPE 1	15.000 EA	_____	_____	_____	_____
1480	639.18 FIELD OFFICE TYPE A	1.000 EA	_____	_____	_____	_____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
1490	641.13 FLAT BENCH	2.000 EA				
1500	643.80 TRAFFIC SIGNALS AT COMMERCIAL & BEACH ST	LUMP SUM		LUMP SUM		
1510	643.83 VIDEO DETECTION SYSTEM THERMAL	LUMP SUM		LUMP SUM		
1520	643.88 TRAFFIC SIGNAL BLANKOUT SIGN	2.000 EA				
1530	643.92 PEDESTAL POLE 8 FT	1.000 EA				
1540	643.92 PEDESTAL POLE 12 FT	1.000 EA				
1550	643.92 PEDESTAL POLE 10 FT	1.000 EA				
1560	643.94 DUAL PURPOSE POLE W/ 35FT MAST ARM	2.000 EA				
1570	643.94 DUAL PURPOSE POLE W/ 55FT HINGED MAST ARM	1.000 EA				
1580	645.103 DEMOUNT GUIDE SIGN	2.000 EA				
1590	645.106 DEMOUNT REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGN	14.000 EA				
1600	645.108 DEMOUNT POLE	11.000 EA				

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
1610	645.116 REINSTALL REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGN	4.000 EA	_____	 _____	_____	 _____
1620	645.118 REINSTALL POLE	3.000 EA	_____	 _____	_____	 _____
1630	645.291 ROADSIDE GUIDE SIGNS TYPE II	54.000 SF	_____	 _____	_____	 _____
1640	645.292 REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGNS TYPE II	230.000 SF	_____	 _____	_____	 _____
1650	645.308 RETROREFLECTIVE HORIZONTAL DELINEATOR	1.000 EA	_____	 _____	_____	 _____
1660	648.103 INSTALL 115 LB JOINTED RAIL AT GRADE	4,440.000 TF	_____	 _____	_____	 _____
1670	648.313 SUBBALLAST	2,600.000 T	_____	 _____	_____	 _____
1680	648.53 REMOVE EXISTING TRACK - AT GRADE	4,480.000 TF	_____	 _____	_____	 _____
1690	648.54 REMOVE EXISTING TRACK - BRIDGES	4.000 TF	_____	 _____	_____	 _____
1700	648.57 TIMBER GRADE CROSSING	LUMP SUM	LUMP SUM		_____	 _____
1710	648.61 BUMPING POST	1.000 EA	_____	 _____	_____	 _____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
1720	651.01 NEW 115 RE NUMBER 10 TURNOUT	3.000 EA	_____	_____	_____	_____
1730	652.33 DRUM	50.000 EA	_____	_____	_____	_____
1740	652.34 CONE	50.000 EA	_____	_____	_____	_____
1750	652.35 CONSTRUCTION SIGNS	400.000 SF	_____	_____	_____	_____
1760	652.36 MAINTENANCE OF TRAFFIC CONTROL DEVICES	400.000 CD	_____	_____	_____	_____
1770	652.38 FLAGGER	3,780.000 HR	_____	_____	_____	_____
1780	652.41 PORTABLE CHANGEABLE MESSAGE SIGN	3.000 EA	_____	_____	_____	_____
1790	655.501 CATHODIC PROTECTION BY SACRIFICIAL ANODE	6.000 EA	_____	_____	_____	_____
1800	656.75 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LUMP SUM	LUMP SUM		_____	_____
1810	659.10 MOBILIZATION	LUMP SUM	LUMP SUM		_____	_____
1820	801.011 BYPASS PUMPING SYSTEM SANITARY SEWER	LUMP SUM	LUMP SUM		_____	_____
1830	801.162 6 INCH DIAMETER PVC SCUPPER CONNECTION	250.000 LF	_____	_____	_____	_____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
1840	802.211 RELIN EXISTING SEWER	1,110.000 LF	_____	_____	_____	_____
1850	803.01 TEST PITS	5.000 EA	_____	_____	_____	_____
1860	815.28 CONTRACTOR ALLOWANCE UNITIL	LUMP SUM	LUMP	SUM	\$5,000	00
1870	815.28 CONTRACTOR ALLOWANCE FAIRPOINT	LUMP SUM	LUMP	SUM	\$5,000	00
1880	815.28 CONTRACTOR ALLOWANCE PORTLAND WATER DIST	LUMP SUM	LUMP	SUM	\$10,000	00
1890	815.28 CONTRACTOR ALLOWANCE CMP	LUMP SUM	LUMP	SUM	\$80,000	00
1900	815.32 MODULAR BUILDING SECURITY	LUMP SUM	LUMP	SUM	_____	_____
1910	822.315 TAPPING SLEEVE W/ VALVE AND SERVICE BOX	3.000 EA	_____	_____	_____	_____
1920	822.320 6" PVC WATERMAIN	840.000 LF	_____	_____	_____	_____
1930	822.3212 4" PVC WATERMAIN	780.000 LF	_____	_____	_____	_____
1940	822.3406 8 INCH REDUCER	1.000 EA	_____	_____	_____	_____
1950	823.335 4 INCH GATE VALVE W/ SERVICE BOX	1.000 EA	_____	_____	_____	_____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
1960	823.338 6 INCH GATE VALVE W/ SERVICE BOX	1.000 EA	_____	 _____	_____	 _____
1970	823.343 POST INDICATOR VALVE	1.000 EA	_____	 _____	_____	 _____
1980	824.30 FIRE HYDRANT	3.000 EA	_____	 _____	_____	 _____
1990	824.40 STANDPIPE	3.000 EA	_____	 _____	_____	 _____
2000	825.35 4 INCH COMPOUND METER	1.000 EA	_____	 _____	_____	 _____
2010	825.433 GAS LINE RELOCATION	180.000 LF	_____	 _____	_____	 _____
2020	830.22 DIRECTIONAL DRILLING, 4 INCH CONDUIT	510.000 LF	_____	 _____	_____	 _____
2030	841.4712 STEEL BOLLARD, 6 INCH	11.000 EA	_____	 _____	_____	 _____
2040	841.4713 STEEL BOLLARD, 12 INCH	23.000 EA	_____	 _____	_____	 _____
2050	841.4714 STEEL BOLLARD, 12 INCH, INSTALL ONLY	16.000 EA	_____	 _____	_____	 _____
2060	890.07 BIKE RACKS	2.000 EA	_____	 _____	_____	 _____
Section: 1			Total:		_____	 _____
			Total Bid:		_____	 _____

**SPECIAL PROVISION
SECTION 203
EXCAVATION AND EMBANKMENT
(SOIL MANAGEMENT)**

Except for the provision noted below* this Special Provision 203 does not apply to excavated material within the limits of the West Commercial Street Right of Way. Through research of historical databases, MaineDOT found no evidence of soil contamination on the northerly side of West Commercial Street. However, given the historical concerns noted in nearby areas, the potential exists to encounter subsurface contamination. In light of this potential, the Contractor shall employ appropriate health and safety measures to protect its workers against hazards associated with excavating and working in this area. Furthermore, the Contractor shall remain alert for any additionally evidence of contamination. If the Contractor encounters evidence of soil or groundwater contamination, the Contractor shall secure the excavation, stop work in the contaminated area, and immediately notify the Resident. The Resident shall contact the Hydrogeologist in MaineDOT's Office of Safety and Compliance at 207-624-3004 and the Maine Department of Environmental Protection at 800-482-0777. Work may only continue with authorization from the Engineer.

*** In the event that soil within the limits of the West Commercial Street Right of Way is found to be contaminated, management of the material shall be in conformance with the requirements of SP 203 as described below.**

For all other soil or excavated material outside of the existing West Commercial Street ROW, the work under this specification shall be performed in conformance with all the procedures and requirements described herein for the following activities: contaminated soil handling, reuse, temporary stockpiling, transportation, storage and disposal and, contaminated water handling, storage, treatment and disposal. This specification also addresses contaminated soil location, identification, and classification. The intent of this specification is to ensure that any contaminated soil and/or water encountered during construction will be managed in a manner that protects worker health and safety, public welfare and the environment.

Environmental Site Conditions. The Maine Department of Transportation has conducted an environmental assessment related to the planned work at the International Marine Terminal expansion project. The environmental assessment for the project area was completed to obtain a general understanding of the environmental conditions along the project corridor. The assessment included a review of relevant Maine Department of Environmental Protection's (MDEP's) and Environmental Protection Agency's (EPA's) databases and field reconnaissance of the project area. During this work it was noted that portions of the project area (former Unitil site) have a variety of subsurface environmental concerns. These concerns are associated with the historical operation of a coal

degasification facility; contaminants consist primarily of oil-like-materials (OLM) and other coal-gasification-related-materials (CGRM). Existing data also indicate that shallow soils in the remaining areas of the project have been affected by heavy metals and polyaromatic hydrocarbons (PAHs). It appears that these soils have been influenced by historical railroad operations. The results of the environmental assessment are available for review from MaineDOT's Office of Safety and Compliance in Augusta (207-624-3004).

Identified Area of Contamination. MaineDOT's environmental assessment identified the project area as having shallow and deep soil contamination. Analytical laboratory results of samples taken from the borings associated with previous work by others on the project site indicate varying levels of OLM, CGRM, PAHs and metals are present in soils. These concentrations define the soils as potential special waste per State remedial guidelines.

Identifying and Screening Contaminated Soil and Groundwater. **Excavated soils will be considered contaminated and will need to be reused on site.**

Handling and Disposition of Soil Materials. In general, soils excavated during construction shall be handled as follows:

- Soils shall not be excavated without prior approval by the Resident.
- The contractor shall make every attempt to reuse the soils onsite. If possible the soil should be placed back into the area of excavation. However, it may also be reused elsewhere on site as long as the material is covered and stabilized. The contractor is responsible for covering and stabilizing the material. This may include erosion control mix or three inches of clean material. Placement of contaminated soil on site shall be as defined in the plans.
- **Soils shall be used on site as shown on the Common Excavation On-Site Material Storage, Supplemental Plan and Cross Section Sketches**

Work and the management of soils on the former Unitil site must be conducted in accordance with MDEP's No Action Assurance letter associated with the approved Voluntary Response Action Program (VRAP) remediation plan for the property. A copy of the Final Soil Management Plan for this property is attached.

Health and Safety/Right-to-Know. Contractors and subcontractors are required to notify their workers of the history of the site and contamination that may be present and to be alert for evidence of contaminated soil and groundwater. The Contractor shall notify the Resident at least three business days prior to commencing any excavation.

The Contractor shall prepare a site specific Health and Safety Plan (HASP) for its workers and subcontractors who may work in the contaminated areas of the site. A Qualified Health and Safety Professional shall complete the HASP. The Qualified Health and Safety Professional will be an expert in field implementation of the following federal regulations:

29 CFR 1926.65	Emergency Response
29 CFR 1910.134	Respiratory Protection
29 CFR 1926.650	Subpart D - Excavations
29 CFR 1926.651	General Requirements
29 CFR 1926.652	Requirements for Protective Systems

MaineDOT is voluntarily ameliorating the soil contamination associated with this initiative. Given that this is a voluntary clean up effort approved by a regulatory agency, the OSHA requirements as defined in 29 CFR 1910.120 apply. These requirements mandate that workers and any subcontractors working in the contaminated area shall comply with all OSHA regulations for Hazardous Waste Operations and Emergency Response including a 40 hour initial hazardous waste operations certification [OSHA 1910.120(e)], annual 8 hour refresher course within the last 12 months and medical surveillance [OSHA 1910.120(f)] within the last 12 months.

The contractor shall designate a person to provide direct on-site supervision of the work in the contaminated areas. This person shall have the training under OSHA 1910.120 (e) as above and in addition be qualified as a construction Competent Person. It is the responsibility of the competent person to make those inspections necessary to identify situations that could result in hazardous conditions (e.g., possible cave-ins, indications of failure of protective systems, hazardous atmospheres, or other hazardous conditions), and then to insure that corrective measures are taken.

Submittals. The Contractor shall submit a site specific Health and Safety Plan (HASP) to the Resident at least two weeks in advance of any excavation work on the project. The Contractor shall not proceed with work until MaineDOT has reviewed the plan and notified the Contractor that it is acceptable.

Health and Safety Monitoring. Within the contaminated area of the project, the Contractor's designated on-site person shall monitor the work zone for those constituents specified in the Contractor's HASP. The Contractor shall provide all required health and safety monitoring equipment.

Dewatering. Groundwater may be encountered and its removal necessary to complete the work. It will be treated as "contaminated" water. The Contractor shall inform the Resident before any dewatering commences. The "contaminated" water shall be pumped into a temporary holding tank(s). The Contractor will be responsible for the procurement of any holding tank(s). Any testing, treatment and/or disposal of the stored, contaminated water shall be undertaken by the Contractor in accordance with applicable Federal, State and local regulatory requirements.

On-Site Water Storage Tanks - Materials. If dewatering within the identified contaminated area becomes necessary the holding tanks used for temporary storage of contaminated water pumped from excavations shall be contamination free and have a minimum capacity of 2,000 gallons.

Dust Control. The Contractor shall employ dust control measures to minimize the creation of airborne dust during the construction process in the contaminated area. As a minimum, standard dust control techniques shall be employed where heavy equipment and the public will be traveling. These may include techniques such as watering-down the site or spreading hygroscopic salts.

Unanticipated Contamination. If the Contractor encounters previously undiscovered contamination or potentially hazardous conditions related to contamination, the Contractor shall immediately suspend work and secure the area. The Contractor will then notify the Resident immediately. These potentially hazardous conditions include, but are not limited to, buried containers, drums, tanks, “oil saturated soils”, strong odors, or the presence of petroleum sufficient to cause a sheen on the groundwater. The area of potential hazard shall be secured to minimize health risks to workers and the public and to prevent a release of contaminants into the environment. The source of any suspected contamination shall be evaluated by the Resident (or MaineDOT’s Office of Safety and Compliance representative). As appropriate, the Resident will notify the MDEP’s Response Services Unit in Portland and MaineDOT’s Environmental Office. The Portland Fire Department must also be notified prior to removal of buried storage tanks and associated piping. The Contractor will evaluate the impact of the hazard on construction, amend the HASP if necessary, and with the Resident’s approval, recommence work in accordance with the procedures of this Special Provision.

Method of Measurement. There will be no measurement for identification and environmental screening of contaminated soil material as all soil is considered contaminated.

Measurement for the development of a Health and Safety Plan (HASP) and providing health and safety equipment and personnel shall be by lump sum.

Measurement for the handling and movement of contaminated soil on-site is incidental to the management of the material.

Measurement for the following items shall be according to Subsection 109:04 (“Change Order”/Force Account): any necessary contaminated water holding tank(s); and treatment or disposal of any contaminated groundwater.

Basis of Payment. There will be no payment for the identification and environmental screening of contaminated soil material as all soil is considered contaminated.

Payment for the development of a Health and Safety Plan (HASP) and providing health and safety equipment and personnel shall be by the lump sum.

Payment for handling, movement, covering, and stabilization of contaminated soil shall be incidental to Item 203.20 Common Excavation.

Payment for the following items shall be according to Subsection 109:04 (“Change Order”/Force Account): any necessary contaminated water holding tank(s); and treatment or disposal of any contaminated groundwater.

Pay Item

Pay Unit

203.2312 Health and Safety Plan (HASP)

L.S.

Attachment I

SOIL MANAGEMENT PLAN

FORMER PORTLAND GAS WORKS SITE 40 WEST COMMERCIAL STREET PORTLAND, ME

Prepared for:



Northern Utilities, Inc. d/b/a Unitil
6 Liberty Lane West
Hampton, NH 03842

Prepared by:



AMEC Environment & Infrastructure, Inc.
511 Congress Street
Portland, ME 04101

Revision	Date	Description
0	Feb 2004	Initial issue
1	Mar 2007	Updated to include recent remediation activities
2	Nov 2012	Updated due to responsibility changes

ACKNOWLEDGMENT FORM

The form below must be completed and retained to acknowledge that the following Soil Management Plan has been read and understood and that the reporting requirements to Unitil will be followed.

Company Name	Printed Name/Title	Signature	Date

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A	Site Worker Log
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ACRONYMS AND ABBREVIATIONS

AMEC	AMEC Environment & Infrastructure, Inc.
CGRM	coal gasification-related material
ECM	Environmental Compliance Manager
HAZWOPER	Hazardous Waste Operations and Emergency Response Standard
Property	40 West Commercial Street, Portland, Maine
MEDEP	Maine Department of Environmental Protection
MGP	manufactured gas plant
NAPL	Non-Aqueous Phase Liquid
NGL	NGL Energy Partners LP
NU	Northern Utilities, Inc. d/b/a Unitil
O&M	Operations and Maintenance
OSHA	U.S. Occupational safety & Health Administration
SMP	Soil Management Plan
SSHSP	Site Specific Health and Safety Plan
VRAP	Voluntary Remedial Action Program

1.0 INTRODUCTION

This Soil Management Plan (SMP) was updated by AMEC Environment & Infrastructure, Inc. (AMEC) for Northern Utilities Inc. (d/b/a Unitil) site workers and their tenant NGL Energy Partners LP (NGL), conducting business at the 40 West Commercial Street in Portland, Maine (Property) (See Figure 1). This SMP is strictly intended the operations and maintenance (O&M) of existing subsurface features (e.g., new pipe runs, electrical lines, or similar utilities) or shallow excavations for new installations. For these types of projects, it is appropriate to return all soil removed during the O&M activities/construction back into the excavation. Excess soil remaining upon project completion will be handled as described in this SMP.

This plan is not appropriate for deep excavations below the water table, large construction projects, or projects that are expected to generate excess soil containing materials associated with the former manufactured gas plant (MGP) operations at the Property that cannot be returned to the excavation upon project completion. For these types of projects, it is required that the work be contracted to individuals properly trained to manage, transport, and treat soil containing the MGP materials in accordance with state and federal regulations.

This plan does not pertain to excavation activities conducted for investigation or remediation of site contaminants. Investigation and remediation activities must be overseen by an environmental professional conducting work under a Site Specific Health and Safety Plan (SSHSP) and by workers who are certified under the Occupational Safety & Health Administration (OSHA) Hazardous Waste Operations and Emergency Response Standard (HAZWOPER).

Note – Most subsurface excavations in Maine require 72-hour prior DIGSAFE notification (call 1-888- DIGSAFE).

1.1 Site Background

The Property consists of two parcels of land located at 40 West Commercial Street in Portland. These include an Inland and Shoreline parcel and are the location of a former manufactured gas plant operated by Portland Gas Works, which began operations in the mid-Nineteenth Century. In the mid-1960's, soon after the formation of Northern Utilities (NU), natural gas was introduced to the area and the plant ceased operation. The facility was subsequently decommissioned and demolished.

The Property currently holds an active propane storage facility and a regulator station housed in one of two remaining MGP buildings within the Inland parcel. Access to the parcel is controlled by a series of perimeter fences.

NU applied for, and in early 1999, was granted entry to the Voluntary Remedial Action Program (VRAP) for the former Portland Gas Works site. This program allows the owner to voluntarily investigate and correct environmental conditions at a site in cooperation with Maine Department of Environmental Protection (MEDEP).

NU completed a Phase I Site Investigation of environmental conditions at the Property in 1999. NU met with MEDEP in September 1999 and reported the results of the Phase I Site Investigation indicated the presence of gas-manufacturing by-products. It was agreed that further site characterization was warranted. At that time, NU recommended, and MEDEP concurred, that the site be fenced to prevent further trespassing. In 2000, NU obtained permission from Guilford Transportation (an abutter) to erect a security fence around the Property and to conduct a supplemental investigation on the abutter's property to determine whether coal gas residues may have migrated onto its parcel.

The fieldwork for NU's Phase II Site Investigation was completed in 2002 and a report was submitted to MEDEP in November 2002. MEDEP reviewed the report and some limited supplemental field data collection activities were implemented during 2003 to address MEDEP comments.

Based on the results of investigations conducted at the Property between 1999 and 2003, six primary source areas of coal gasification-related material (CGRM) were identified. These source areas included:

- A gravel mound underlain by CGRM;
- A subsurface Non-Aqueous Phase Liquid (NAPL)/seep area;
- A former tar well/gas holder;
- A former tar processing area;
- Tar scabs along the shoreline of the Fore River; and
- Purifier box waste.

The results of the investigations, characterization, conceptual model, and risk evaluation were summarized in an Investigation Summary Report dated April 2003. The Gravel Mound was addressed in a study dated May 12, 2004 and underwent remediation in June 2004. To address the remediation of the other five areas, technologies were identified and remedies were selected based on the findings of a Focused Feasibility Study/Response Action Plan dated July 2004.

Remediation activities were executed on four of the source areas during the winter of 2006/2007. These activities included:

- Containment and minimization of NAPL migration from the upgradient source area to the seep area and groundwater by installing a NAPL collection and storage system;
- Removal of 400 tons of liquid tar from the tar well and subsequent backfill and stabilization of the well;
- Removal of shoreline tar scabs and debris and installation of a rip-rap revetment on the shoreline; and
- Removal of approximately 5,700 tons of tar impacted soil and debris in the tar processing area.

Further remediation of the seep area and the purifier box waste area were to be addressed in future remedial actions under the VRAP program. These were subsequently noted in the current No Action Assurance letter issued by the MEDEP in May 2012.

Property ownership changed in December 2008 when Unitil acquired Northern Utilities, Inc. from NiSource – the then parent company of NU - in a common stock sale.

Additional investigations related to contamination in the seep area have been conducted in the spring of 2012 and remain ongoing. Information from these investigations will be used to develop remedial designs plans which will likely be implemented in 2013 through 2014 as part of a third-party redevelopment of the Property.

1.2 Duration of Site Worker Activities

NU, Unitil, and NGL workers on the Property (i.e., site workers) may perform limited excavation activities and manage site soil up to a maximum of 40 hours per year using standard work attire (e.g., boots, long pants, shirts, gloves) that will minimize contact with soil. This work must be completed in accordance with Unitil's standard work practices.

Any project or combination of projects, in excess of 40 hours per year for an individual is not allowed. The duration of excavation activities by an individual will be tracked via a worker log detailed in Appendix A. Any work in excess of 40 hours must be conducted by individuals with the required training and certifications specified by U.S. OSHA regulations at 29 CFR 1910.120. Activities expressly intended to excavate MGP-impacted soil for off-site disposal or treatment cannot be conducted by site workers, but must be conducted by OSHA-trained individuals.

1.3 Points of Contact

Any work requiring soil excavation with hand tools or heavy equipment or work requiring the removal of pavement to expose the soil surface must be cleared with:

- Gas Systems Operations Supervisor– Keith Lincoln – Unitil
Phone 207-541-2537 | Mobile 207-272-8772

If it is expected that excess soil will remain upon completion of the work, the Gas Systems Operations Supervisor must contact the following person such that the handling of excess oil is properly planned:

- Environmental Compliance Manager (ECM) – Thomas Murphy – Unitil
Phone 603-379-3829 | Mobile 603-498-3333

In the event that soil containing excessive amounts of tar or oily debris are exposed, first call the Environmental Compliance Manager, and if needed call:

- Environmental Consultant - Peter Thompson – AMEC
Phone 207-775-5401 | Mobile 207-552-7171

2.1 EXCAVATION AND SEGREGATION

The goal of excavation and segregation activities is to return stockpiled soil back into the excavation, as close as possible to the point of origin. Criteria for soil segregation at the point of excavation are based on depth and visual inspection. Details of the excavation and segregation criteria are described below.

This SMP focuses only on the requirements of handling Property soil, and does not address other worker safety requirements. A SSHSP must be prepared and implemented, as needed, to address applicable state and federal regulatory requirements.

Excavations may encounter soil containing significant amounts of tar and/or oily debris, and may include, but is not limited to, the following:

- excavated material containing a greater percentage of tar than soil;
- pooling of oily material within, or draining from, the stockpile; or
- tar or oily material flowing into the excavation from the sidewalls.

If soil containing significant amounts of tar or oily debris is encountered or excess soil must be stockpiled for off-site treatment and disposal at a licensed facility, OSHA-trained individuals must be hired, and soils must be managed in accordance with applicable state and federal regulations. If such conditions are encountered, the appropriate points of contact should be immediately notified (See Section 1.3 above).

2.1 Excavation Protocol

If the excavation occurs in an area of pavement or crushed rock, this material is first removed and stockpiled for reuse. Soil removed from the excavation shall be initially-separated based on visual inspection of the soil. Soil removed from the ground surface to a depth where soils are visually impacted with MGP materials shall be placed to one side of the excavation. Soils excavated from the point of visual staining to the bottom of the excavation shall be placed on the opposite side of the excavation (See Figure 2).

Site workers shall employ dust control measures, as needed, to minimize the creation of airborne dust during the excavation process.

2.2 Segregation Activities

To the extent necessary and possible, excavated material shall be grouped into one of three categories: (1) soil containing ash and clinkers; (2) soil containing visible tar or oily debris and/or wood chips (purifier box waste); and (3) oversized debris. Each is described in more detail below.

2.2.1 Soil Containing Ash and Clinkers

Most soil excavated above the water table at the site is expected to be visually clean, or mixed with ash and/or clinkers. This type of soil may be temporarily stockpiled right next to the excavation. These soils can be returned to any depth in the excavation, but should be reserved for backfilling the upper 24 inches.

2.2.2 Soil Containing Tar, Oil, and/or Wood Chips

Soil containing limited amounts of tar, oily debris, and/or wood chips can be temporarily stockpiled near the excavation, as long as it will be returned to the excavation. To the extent feasible, soil containing limited amounts of tar and/or oily debris should be stockpiled away from the cleaner material described above.

If the excavation ceases because heavy tar and/or oil are found in the soil, stockpiled material should be immediately returned to the excavation. If it is not feasible to return this material to the excavation, the stockpiled material must be secured to the extent feasible (to minimize exposure to this material) by covering the pile completely with a single layer of polyethylene sheeting (minimum 6 mil thickness) until OSHA-trained individuals arrive on site.

2.2.3 Oversized Debris

Oversized debris includes material such as pieces of concrete, refractory, abandoned piping, or lumber, which may be coated with tar or oily debris. If a large amount of oversized debris coated with such material is excavated and cannot be returned to the excavation, the material must be moved to a short-term storage area and secured to the extent feasible (to minimize exposure to this material) by covering the pile completely with a single layer of polyethylene sheeting (minimum 6 mil thickness) until OSHA-trained individuals arrive on site.

2.3 Backfilling

Visually-impacted soil (e.g., tar, oil, wood chips) shall be returned to the deeper portions of the excavation, whereas visually 'clean' soil shall be returned to the upper portion of the excavation (See Figure 3).

In the event that imported fill is used to backfill excavations, excess clean soil that does not contain tar, oily debris, and/or wood chips can be spread out at the ground surface near the excavation and covered with gravel. Excess soil that cannot be spread on the ground surface (because of pavement or other restriction) must be moved to a short-term storage area (See Section 3.4). Soil containing tar, oily debris, and/or wood chips shall be returned to the deeper portions of the excavation.

2.4 Restoration of Land Surface

If paving was removed to conduct the excavation, it should be replaced to its original condition and grade upon completion of the project. If gravel or topsoil was removed to access the underlying soil, it must be replaced over the area of the excavation to a thickness of three to six (3-6) inches.

3.0 STORAGE AND STOCKPILING

This section describes storage and stockpiling requirements for the Property. Stockpiling shall be conducted in a manner to prevent rain infiltration, erosion, and dust generation.

3.1 General Requirements

Excavated soil containing MGP residuals and debris shall be handled and stored as follows:

- Soil containing MGP residuals shall be stored in a secure manner to prevent exposure to humans and the environment, immediately adjacent to the excavation, where possible.
- Soil will be covered, as necessary, to minimize infiltration of precipitation, to limit dust, to control odors, and/or to prevent erosion of the stockpile. Cover materials shall be properly secured and possess the necessary physical strength to resist tearing by the wind.
- As needed during periods of heavy rain, hay bales shall be placed around the stockpiled material to prevent erosion of materials to nearby catch basins or other stormwater drainage structures.

3.2 Temporary Storage

During excavation, soil shall be placed next to the excavation. For most excavations it is expected that the material will be returned to the excavation the same day or within one or two days. Soil containing limited amounts of tar and oily debris or oversized debris affected by tar and oil can also be stored adjacent to the excavation, provided it is returned to the excavation.

3.3 Interim Storage

Interim storage procedures shall be used when excavated soil is held outside of the excavation for an extended period of time (e.g., over a weekend). Interim storage may be located adjacent to or near the excavation. Stockpiled soil shall be covered with polyethylene sheeting, and hay bales shall be positioned to prevent runoff, if necessary.

3.4 Short-Term Storage

Short-term storage is only required for excess soil that cannot be returned to the excavation or spread out at the ground surface adjacent to the excavation areas. The short-term storage area shall be located in a low traffic area on the Property. Stockpiled soils in the short-term storage area shall be placed on, and covered with, polyethylene sheeting. Hay bales shall be positioned around the stockpile to prevent runoff. Material moved to the short-term storage area must be characterized for either off-site disposal or on-site reuse, and shall be coordinated with the ECM. Federal and state regulations specify time limits for stockpiling materials, once characterized.

4.0 ON-SITE REUSE OR OFF-SITE DISPOSAL

Excavated soil will either be reused on-site or transported off-site for disposal. Soil reused on-site may be managed by site workers. Activities associated with off-site disposal must be conducted by OSHA- trained individuals.

4.1 On-Site Reuse

Excess soil located in short-term storage that is visibly clean (i.e., contains no staining, tar, or oily material) may be appropriate for on-site reuse. Any plan for on-site reuse of soil must be developed in consultation with the ECM. A reuse plan will likely include chemical analysis of soil. On-site re-use of soil must not occur within the 75 feet of the shoreline.

If determined appropriate for on-site reuse, the excess soil can be relocated to other areas of the Property that are covered by crushed rock. At the chosen location, the crushed rock must be scraped away for placement of the excess soil. Care must be taken not to significantly alter site topography and drainage patterns. Once spread out, the excess soil must be recovered with crushed rock.

4.2 Off-Site Disposal

Excess soil containing tar, oil, and/or wood chips that has been moved to a short-term storage area requires off-site disposal. This material must be characterized in accordance with state and federal regulations and the requirement of the receiving facility. This work must be conducted by OSHA-trained personnel. Under no circumstances should soil leave the Property unless it is destined for the appropriate receiving facility as determined by the ECM.

5.0 NEW CONDITION DISCOVERY

Excavation activities at the Property may expose subsurface conditions, such as the presence of oily liquids or the discovery of a buried structure containing MGP wastes. If such conditions are discovered, the related work shall stop, as necessary, and the appropriate points of contact shall be notified of the finding.

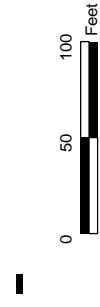
6.0 UPDATING THE SOIL MANAGEMENT PLAN

This SMP will be updated as necessary based on changes at the site such as remedial actions or changes in ownership. Revisions to the plan shall be noted on the cover page.

FIGURES



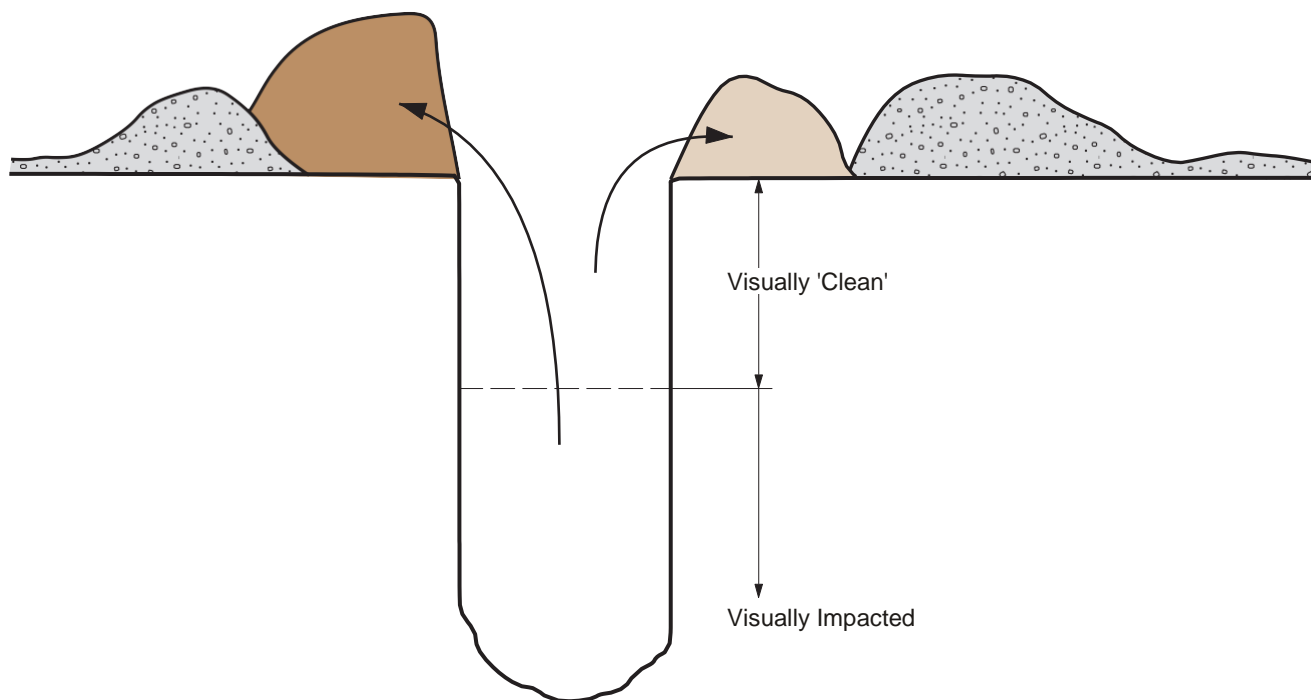
Prepared/Date: MJW 11/01/12
Checked/Date: PHT 11/01/12



Unitil Service Corporation
40 West Commercial Street
Portland, Maine



Former Portland Gas Works
Soil Management Plan
Site Plan
Project 3612112236.02.08



LEGEND




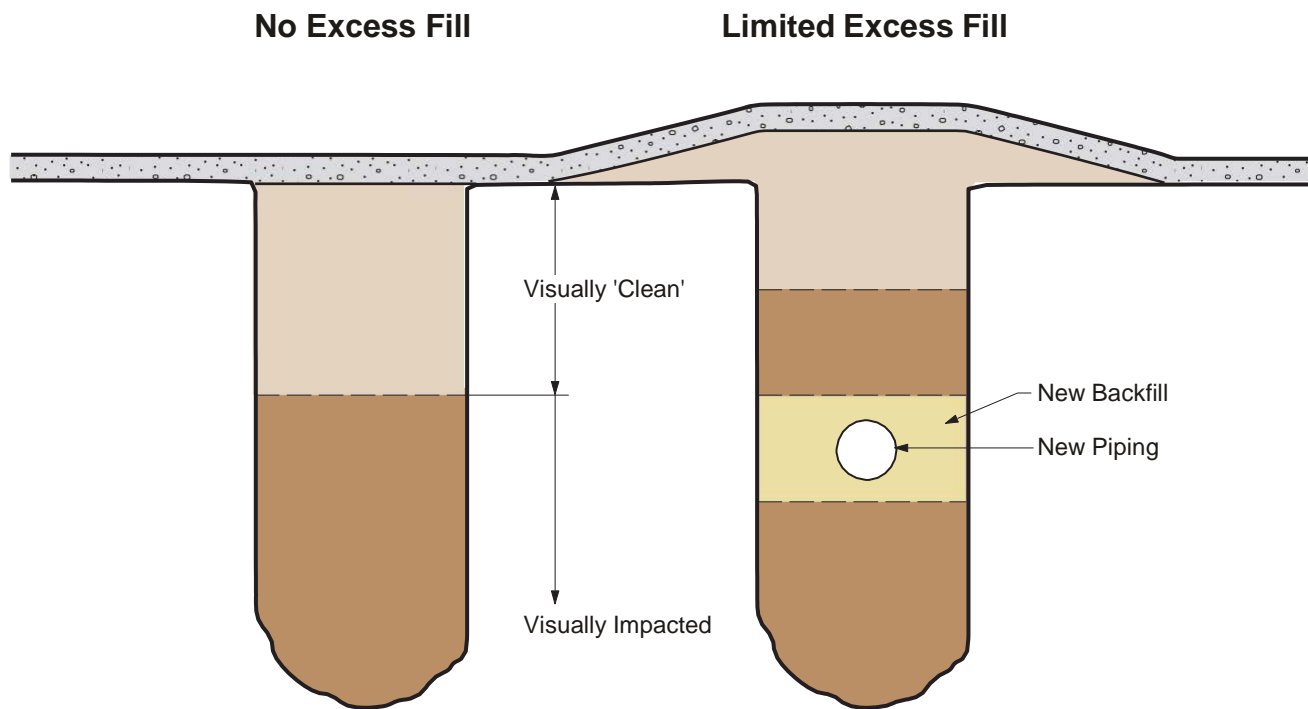
-  Visually 'Clean' Soil
-  Visually Impacted ('stained') Soil
-  Gravel Cover Material

Figure 2
Excavation Protocol
Unitil Service Corporation
40 West Commercial Street
Portland, ME



LEGEND

- Visually 'Clean' Soil
- Visually Impacted ('stained') Soil
- Imported Backfill
- Gravel Cover Material

Figure 3
Backfilling Protocol
Unitil Service Corporation
40 West Commercial Street
Portland, ME

AMEC E&I, Inc.

APPENDIX A
SITE WORKER LOG

APPE NDIX A SITE WORKER LOG

The following log sheet is provided to document the total number of _____ hours that each Unitil employee conducts subsurface construction work or utility repair at the 40 West Commercial Street facility in Portland, Maine. No individual is to conduct subsurface construction work or utility repair for more than 40 hours per annum unless specifically trained in accordance with OSHA HAZWOPER standards (29 CFR 1910.120). This page is to be photocopied for tracking each individual's daily hours for an entire year. Completed forms must be kept on site with the Soil Management Plan.

Year: _____

Page _____ of _____

Employee No.: _____ Employee Name: _____

[illegible]

SPECIAL PROVISION
SECTION 815
BUILDINGS

(Contractor Allowance - CMP)
(Contractor Allowance - Unitil)
(Contractor Allowance - Fairpoint)
(Contractor Allowance - PWD)

815.01 Description

Add the following paragraphs:

Miscellaneous Construction shall include allowances for cost of Central Maine Power, Unitil, Portland Water District (PWD), and Fairpoint to provide utility connections and other miscellaneous work throughout the facility. Allowance is also made for the City of Portland Permits, Fees, and Inspections. The allowances are shown in the Schedule of Bid Prices.

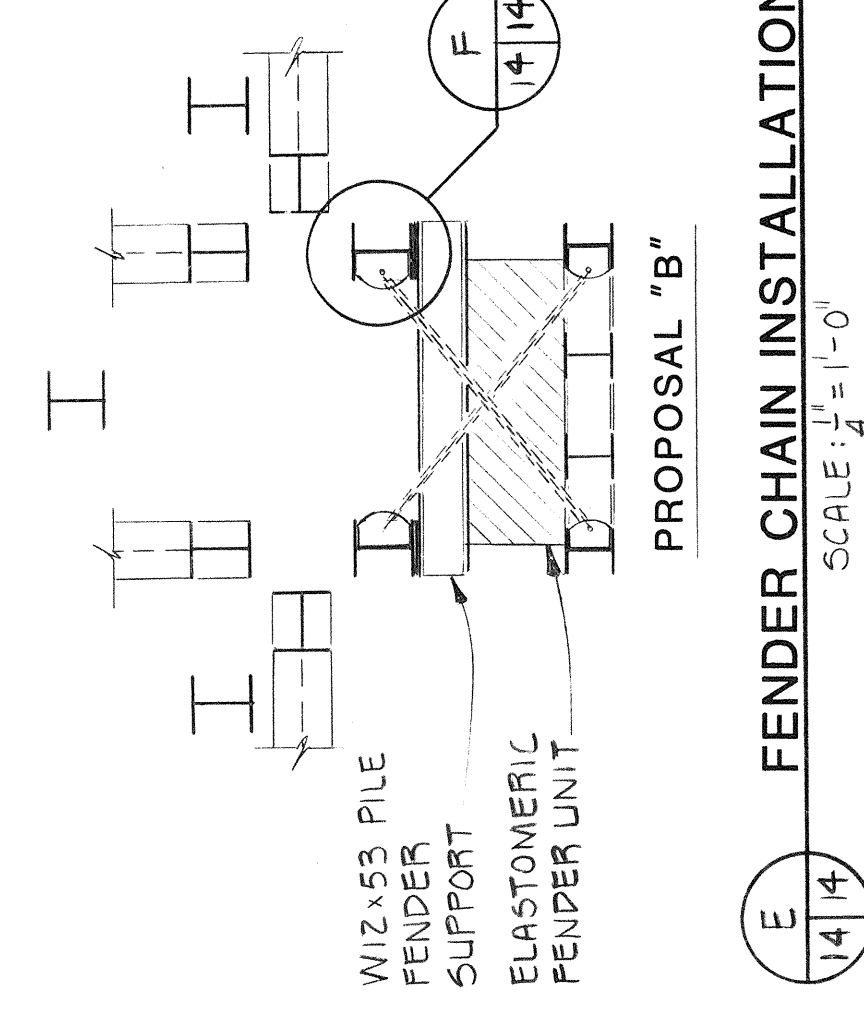
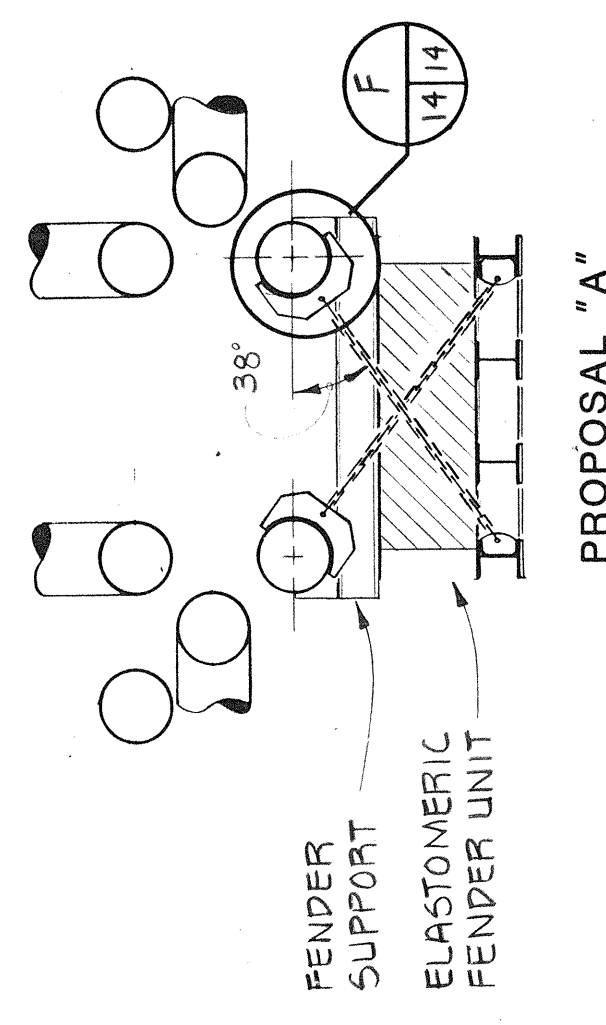
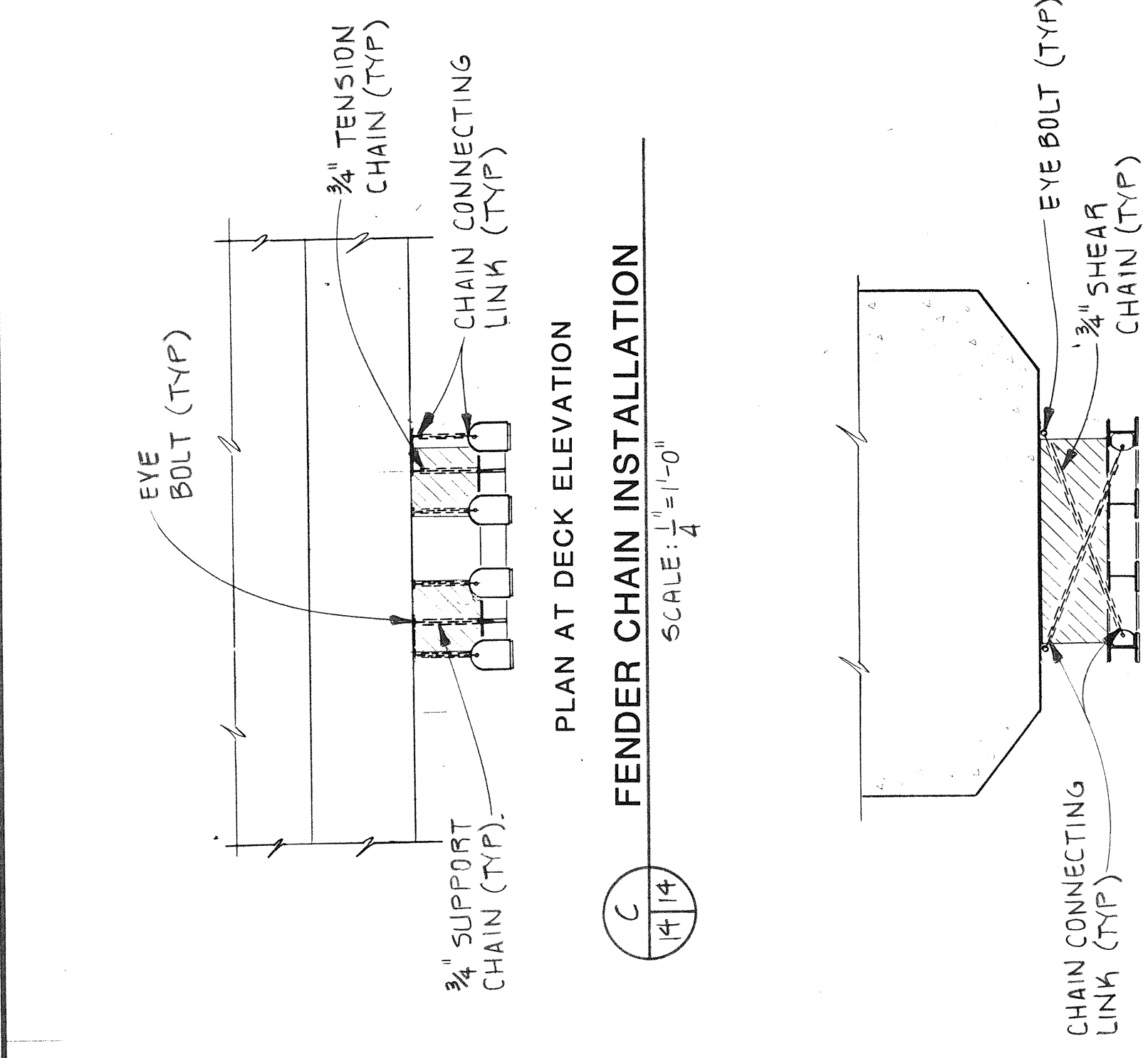
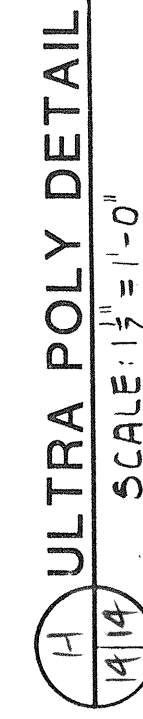
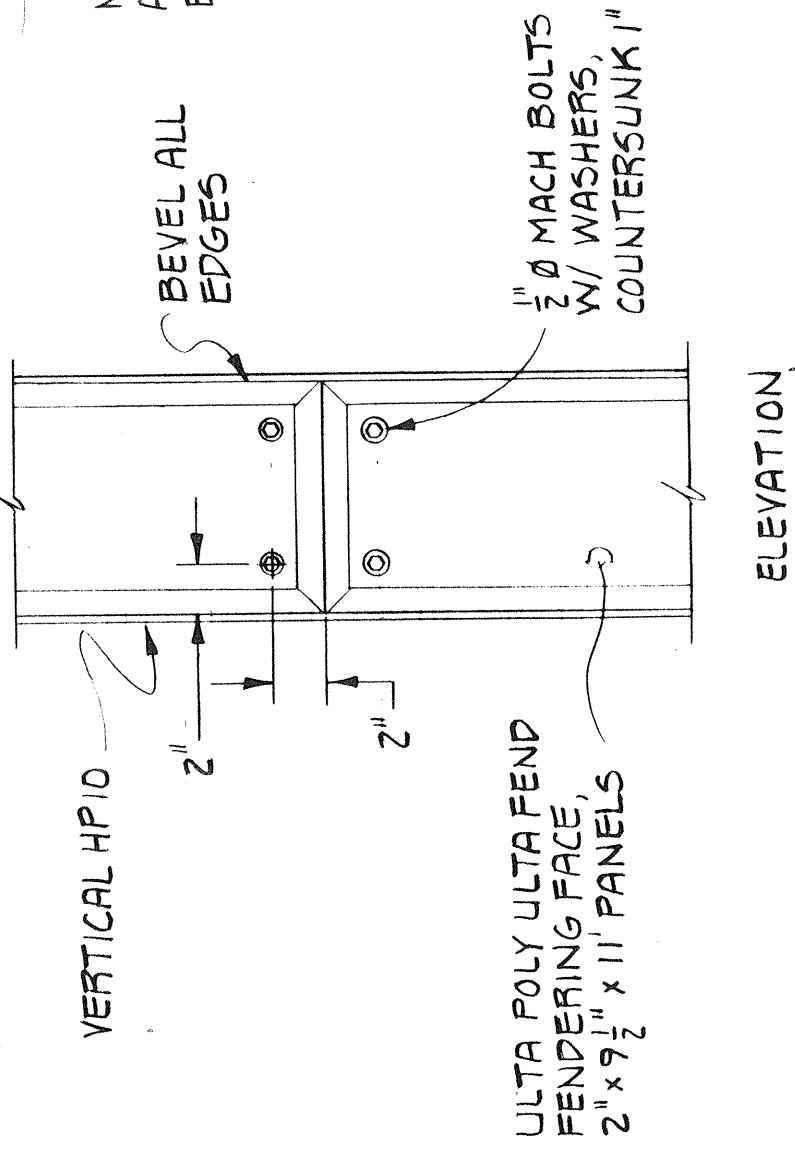
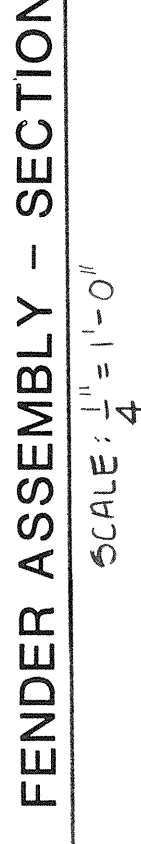
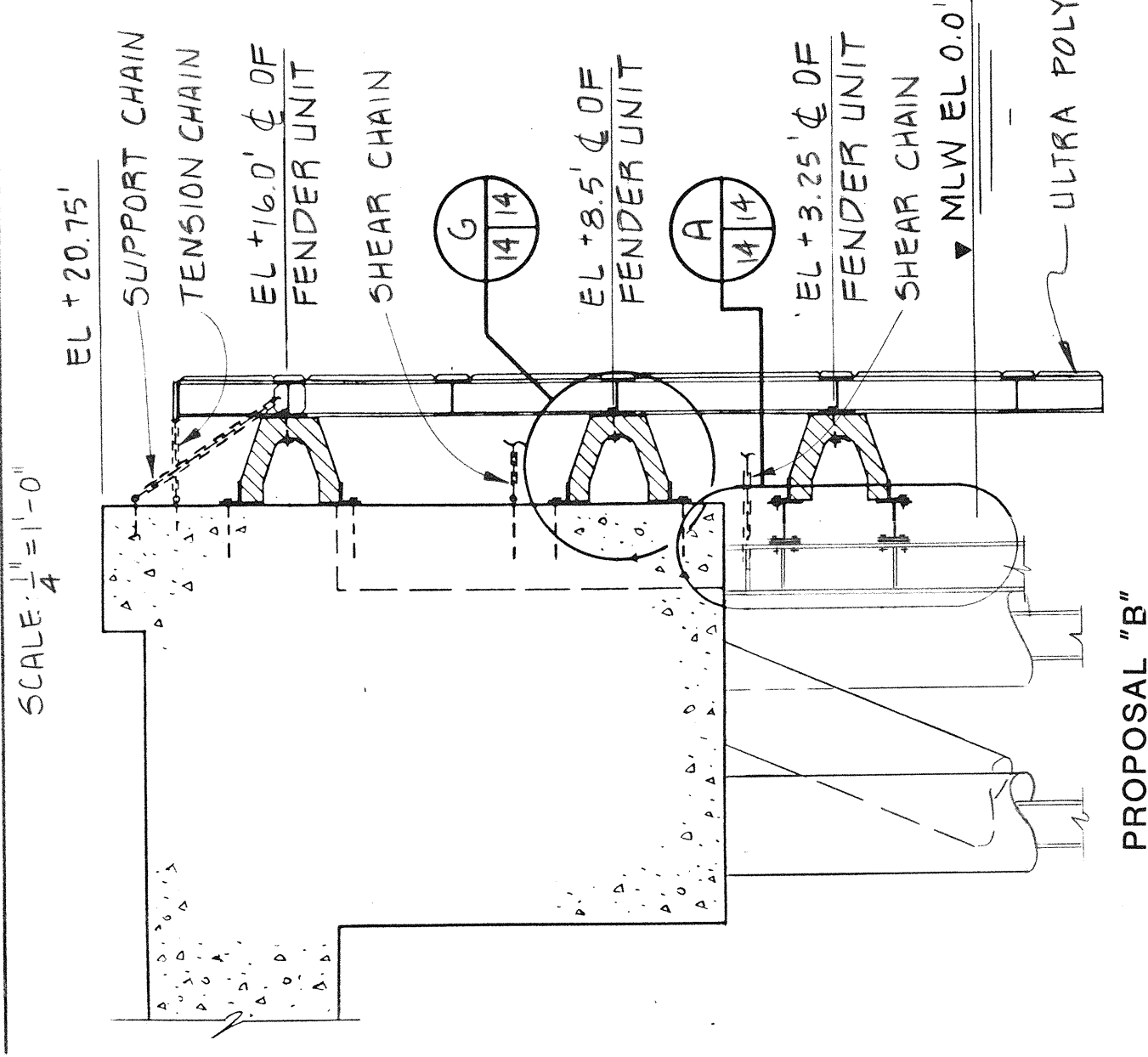
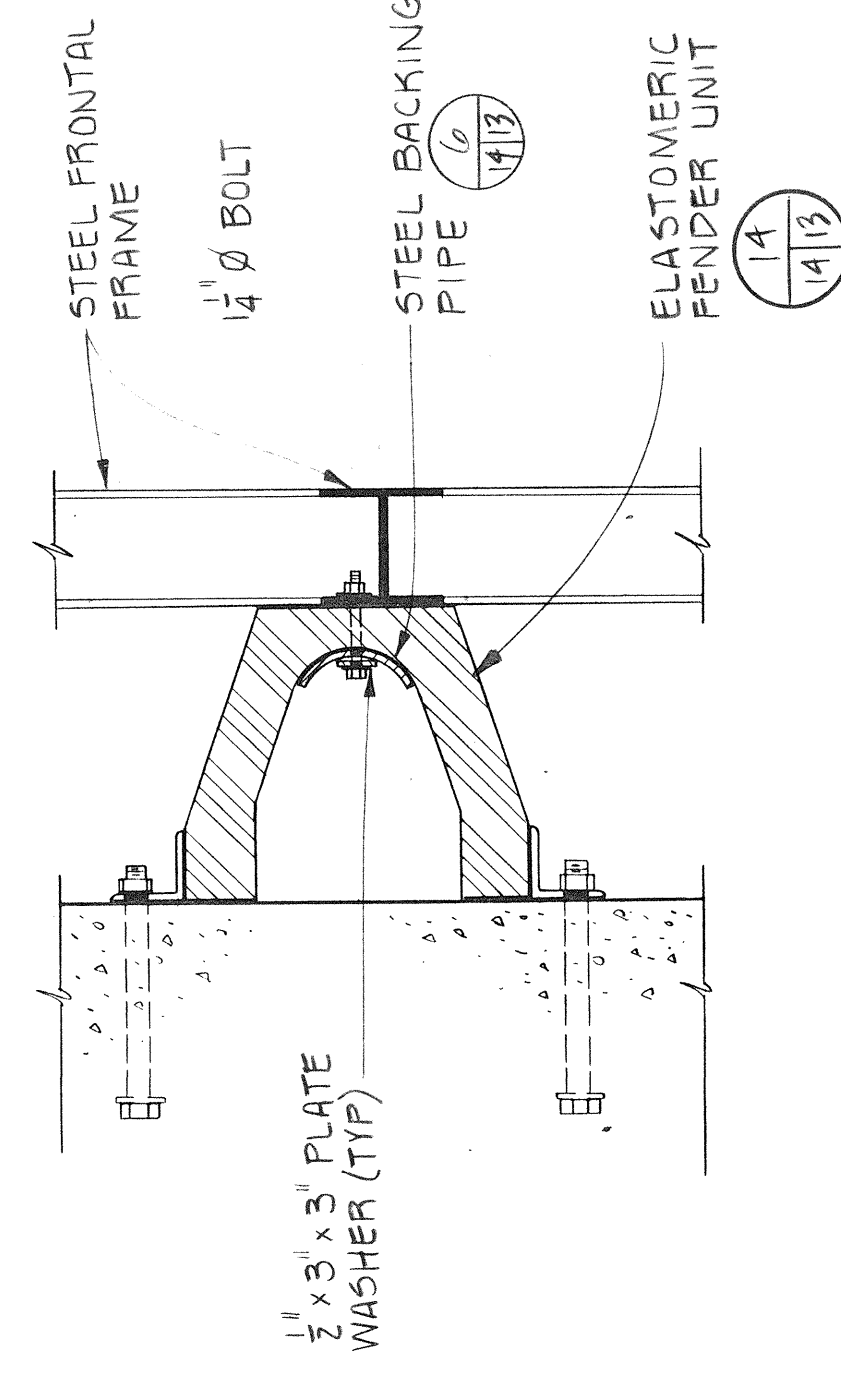
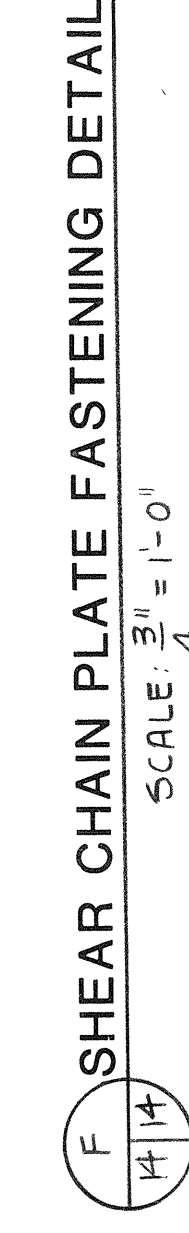
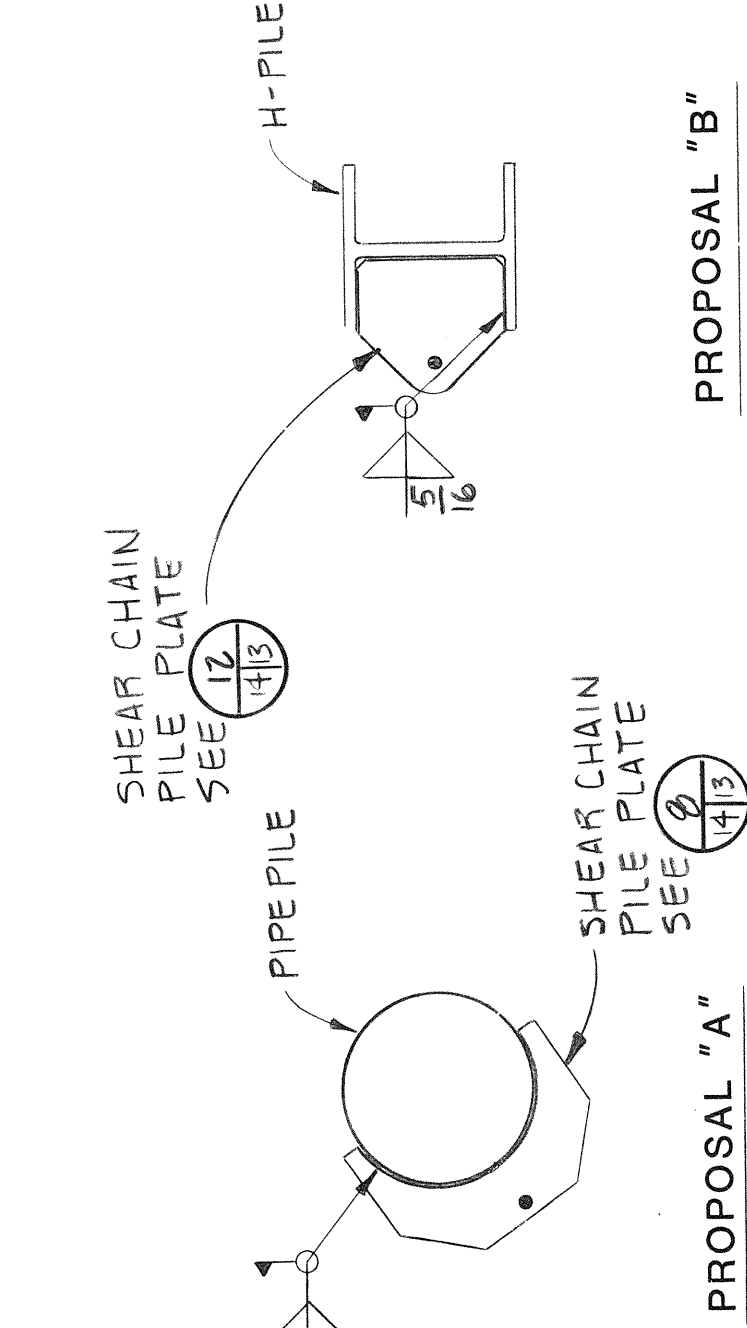
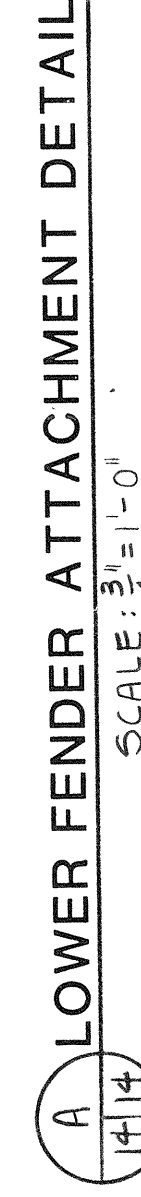
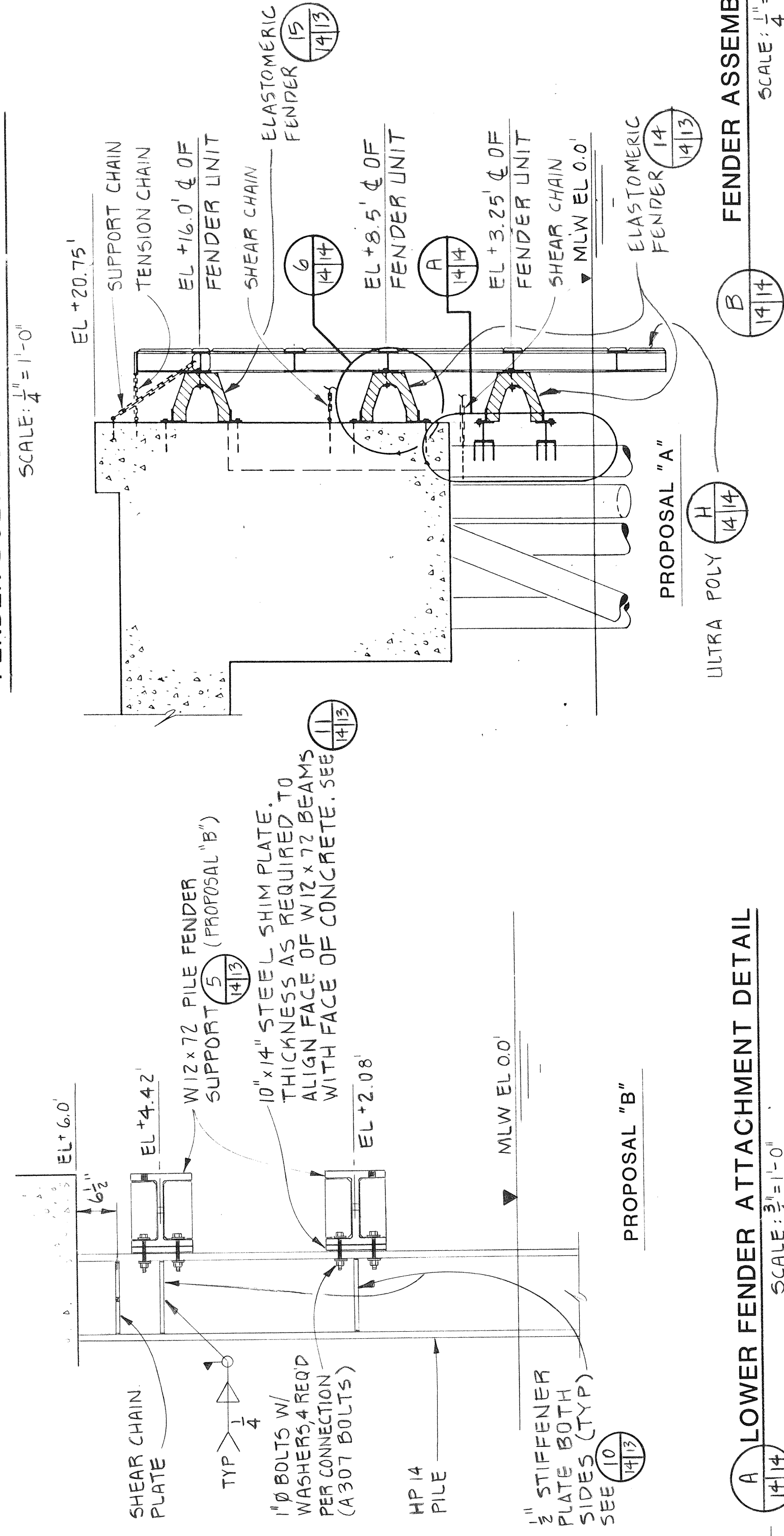
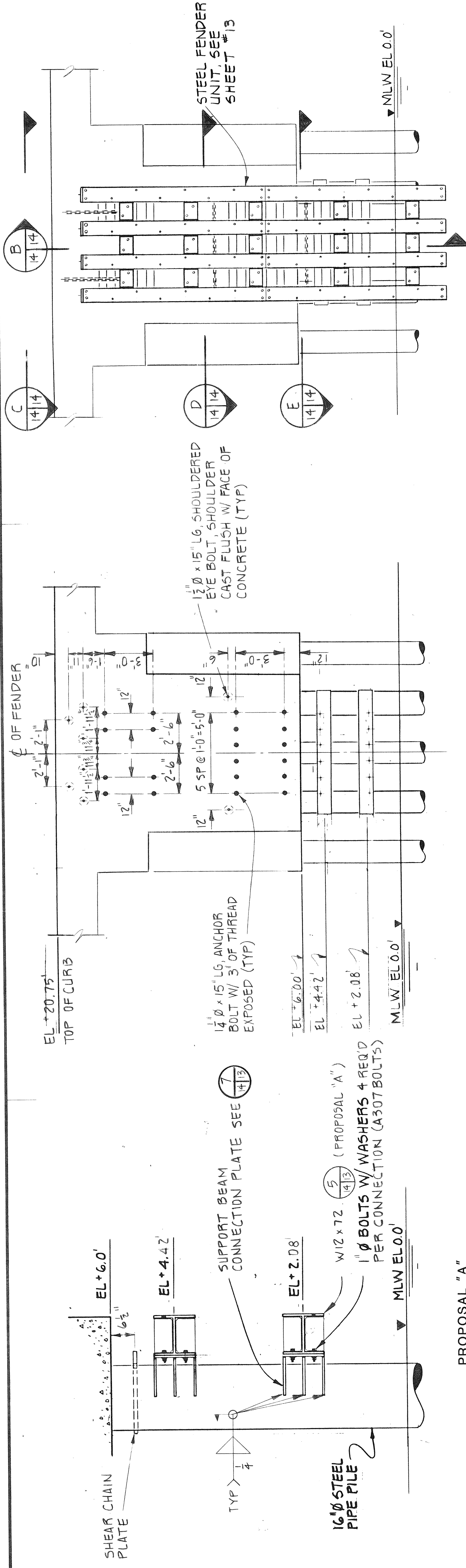
815.02 Basis of Payment

Add the following paragraphs:

Contractor Allowances will be paid for at the Contract unit price for the respective contract items. Allowances shall be cost incurred by the Contractor for work or materials which was accomplished by others to satisfy or procure the pay item.

Payment will be made under the following Pay Item:


<u>Pay Item</u>		<u>Pay Unit</u>
815.28	Contractor Allowance - CMP	ALLOW
815.28	Contractor Allowance - Unitil	ALLOW
815.28	Contractor Allowance - Fairpoint	ALLOW
815.28	Contractor Allowance - PWD	ALLOW



FENDER DOLPHIN ASSEMBLY

**INTERNATIONAL FERRY TERMINAL
PORTLAND, MAINE**

FEBRUARY 1988



CHILDS ENGINEERING CORPORATION
 BOX 353 MEDFIELD, MASSACHUSETTS 02052 U.S.A.

DWG NO. 81387-00-15

DRAWN: RWH

CHECKED: _____

1

Common Excavation On-Site Material Storage

General Information

1. Assume the material must be stored on-site in mounds along the railroad corridor.
2. Temporary storage of the material (prior to mounding) may be achieved within the MaineDOT property outside of New Yard access ways.
3. Mounds shall be treated with a surficial application of mulch and/or wild flower seed mix as directed by the MaineDOT.

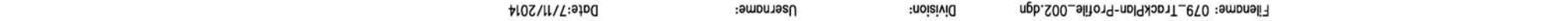
Revision: REV 01
 Updated: July 30, 2014

Mound (Location)	Order of Work	Section View (see graphics)	Sta. - Sta.	Height (ft., approx.)	Side Slopes	Storage Volume (cy, est.)	Surface Area (sq, est.)	Notes
1A	1	D	53+70 to 61+50	4	2:1	2,400	1,900	(1), (3)
1B	2	A	40+00 to 43+00	6	2:1	4,000	3,000	(1), (4)
2A	3	E	61+70 to 65+00	4	2:1	900	850	(2)
2B	4	C	49+20 to 53+50	6	2:1	4,000	2,750	(2)
2C	5	B	45+25 to 49+00	6	2:1	1,400	1,700	(2)
2D	6	B	43+50 to 49+00	4	2:1	1,800	1,600	(2)
					TOTALS	14,500	11,800	

Notes:

1. No schedule restrictions. The mound may be constructed at any time during the project.
2. Schedule restricted. The mound may only be constructed once new track is in service and existing railroad tracks are removed.
3. At proposed 50-ft wide crossing, the mound shall be discontinued in favor of the design materials and dimensions of the crossing.
4. The beginning station extends westward along the Cassidy Point Rd property line as shown on the plan view.

Filename: 078_TrackPlan-Profile-001.dgn Division: Username: Date: 6/26/2014



Construction Classifications

Building 1 (B1)

- 1 or 2 family homes
(Includes NAICS 2361**)

Building 2 (B2)

- Other than 1 or 2 family homes
(Includes NAICS 2362**)

Highway & Earthwork (HI)

- Airport runway construction
- Alley construction
- Asphalt paving: roads, public sidewalks, and streets
- Concrete construction: roads, highways, public sidewalks, and streets
- Grading for highways, streets, and airport runways
- Guardrail construction on highways
- Highway construction, except elevated
- Highway signs installation
- Parkway construction
- Paving construction
- Resurfacing streets and highways
- Road construction
- Sidewalk construction
- Street maintenance or repair
- Street paving
- Athletic fields
- Bridle path construction
- Brush clearing or cutting
- Clearing of land
- Cutting right of way
- Drainage project construction
- Earth moving, not in conjunction with other construction
- Golf course construction
- Land leveling
- Land reclamation
- Manhole construction
- Pond construction
- Soil compacting
- Tennis court construction (outdoor)
- Trail building
- Trailer parks/campgrounds
- Trenching, not in conjunction with other construction

Heavy and Bridge (HV)

- Abutment construction
- Bridge construction
- Causeway construction on structural supports

Heavy and Bridge (HV) Continued

- Elevated highway construction
- Overpass construction
- Trestle construction
- Tunnel construction
- Underpass construction
- Viaduct construction
- Aqueduct construction
- Cable laying construction
- Cable television lines
- Conduit construction
- Distribution lines
- Gas mains
- Natural gas compressing station construction
- Pipe laying
- Pipeline construction
- Pole line construction
- Pipeline wrapping
- Power line construction
- Pumping station construction
- Radio transmitting towers
- Sewage collection and disposal line construction
- Sewer construction
- Telegraph line construction
- Telephone line construction
- Television transmitting towers
- Transmission line construction
- Water main line construction
- Blasting except building demolition
- Breakwater construction
- Caisson drilling
- Canal construction
- Central station construction
- Channel construction
- Channel cutoff construction
- Chemical complex or facilities construction
- Cofferdam construction
- Coke oven construction
- Dam construction
- Dike construction
- Discharging station construction
- Dock construction
- Dredging
- Flood control projects
- Furnace construction for industrial plants
- Harbor construction
- Hydroelectric plant construction
- Industrial incinerator construction
- Industrial plant appurtenance
- Irrigation project construction

Heavy and Bridge (HV) Continued

- Jetty construction
- Kiln construction
- Levee construction
- Light and Power plant construction
- Lock and waterway construction
- Marine construction
- Mine loading and discharging station construction
- Mining appurtenance construction
- Missile facilities construction
- Nuclear reactor containment structure construction
- Oil refinery construction
- Oven construction for industrial plants
- Oven construction, bakers'
- Petrochemical plant construction
- Petroleum refinery construction
- Pier construction
- Pile driving
- Power plant construction
- Railroad construction
- Railway roadbed construction
- Reservoir construction
- Revetment construction
- Rock removal, underwater
- Sewage treatment plant construction
- Ski tow erection
- Submarine rock removal
- Subway construction
- Timber removal, underwater
- Tipple construction
- Washeries construction, mining
- Waste disposal plant construction
- Waterpower project construction
- Water treatment plant construction
- Waterway construction
- Wharf construction

PORTLAND - INTERNATIONAL MARINE TERMINAL IMPROVEMENTS
MDOT WIN # 022809.20
MEETING SIGN-IN SHEET

DATE: July 24, 2014

MEETING PURPOSE: Mandatory Pre-bid Meeting

NAME	COMPANY	TELEPHONE	EMAIL
GEORGE CONLEY	R.J. GORDON	854-1147	estimating@grandinconstruction.com
PAT SUGHRUE	CIANBRO	318- ⁹⁴⁴⁸ 340	psughrue@cianbro.com
Gary Taylor	Cianbro	671-5317	gtaylor@cianbro.com
Angie Campbell	DBE / EMDC	974-3249	acampbell@emdc.org
PAT DUBAY	SARGENT CORP	827-4435	PDUBAY@SARGENT-CORP.COM
Tom St. Onge	Gendron + Gendron	788-7372	tom@gendroncorp.com
Brad Shaw	Shaw Earthworks	807-6479	shaw@shawearthworks.com
KRATIG LUCAS	SHAW BROTHERS	839-2552	KLUCAS@SHAWBROTHERS.COM
MIKE McHALEY	Graham Smith & TRAVIS	839-2442	MIKEM@GGRAVEL.COM
Tom Lindvall	K&K Excavation	225-3030	tlindvall@kkexcavation.com
George Rica	Bancroft Contracting	890-3132	gwrca@bancroftcontracting.com
Tyler Long	East. Main. Railway	500-648 1789	long.11c.tyler@edmainrailways.com
PAUL BERVESE	WYMAN + SIMPSON	737-4471	PBERVESE@WYMANANDSIMPSON.COM

PORTLAND – INTERNATIONAL MARINE TERMINAL IMPROVEMENTS
MDOT WIN # 022809.20
MEETING SIGN-IN SHEET

DATE: July 24, 2014

MEETING PURPOSE: Mandatory Pre-bid Meeting

[illegible]

QUESTIONS DURING PRE-BID MEETING:

Q1: Can the MaineDOT provide direction regarding how and where contaminated materials are to be handled?

A1: See revised Special Provision 203 EXCAVATION AND EMBANKMENT (Soil Management) DAVE: SEE "IMT 203 SP W RW READY FOR AMENDMENT" .doc IN MY EMAIL. ALSO SEE "Common Excavation On-Site Material Storage, Supplemental Plan and Cross Section sketches" .pdf

Q2: Does the MaineDOT have a specific dump facility in mind which should receive the material? This information is needed to price the common excavation material.

A1: See revised Special Provision 203 EXCAVATION AND EMBANKMENT (Soil Management) DAVE: SEE "IMT 203 SP W RW READY FOR AMENDMENT" .doc IN MY EMAIL. ALSO SEE "Common Excavation On-Site Material Storage, Supplemental Plan and Cross Section sketches" .pdf

Q3: Are the City's permit fees incidental to the project or are these to be included as special pay items in the Schedule of Bid Items?

A3: Pay item 815.28 Contractor Allowance City Permits, Fees, Inspections, has been deleted. The City has waived all fees and invoices for the review time of both City staff and third party reviewers, the performance guarantee with the associated inspection fees, any street opening permits and/or other permit fees associated with the Department of Public Services, for the Portland IMT Existing Laydown and Connecting Corridor Connection project. The Contactor shall be responsible for maintaining and notifying appropriate City staff, submitting any required paperwork, and responding to requests. Also see revised Special Provision 815 BUILDINGS included in this amendment. DAVE: SEE "SP 815 ALLOWANCES" .pdf IN MY EMAIL

Q4: Can the Wage Rate sheets be combined into one document rather than three separate documents? If not, please provide an outline that describes how the work components are to be attributed to each set of wage rates.

A4 No. Each classification of construction, B1-residential, B2-Non-residential, HI-Highway and Earthwork and HB-Heavy and Bridge, are outlined within the confines of the Prevailing Wage Law Rules. As an employee moves from one area to the next to complete their daily tasks, often the wages can change. As each day begins it should be clear what type of work will be completed. The General Contractor will know what focus will be anticipated and the subcontractors that are on site for that specific type of work. If a worker's time is not broken out by a log or time card, then the worker must be paid the higher of the rates. It is to the advantage of the owner/employer of the employee on site to have the worker and a supervisor of some level tracking the time of the individual. A weighted average cannot be used for workers moving from different construction and work classifications.

If a ground worker, such as a front end load or excavator worker is creating area for the foundation for a building, the worker would fall under the B2-non-residential classification wage form. If that worker moves then to an outer area of the land and begins work on leveling ground for a sidewalk and road abutment, the worker would then fall under the HI-highway and earthwork classification wage form. It is the responsibility of the employer and the employee to track their time and work within both the construction classification and the employee trade classification.

For further information, please contact Janice Spencer at Janice.spencer@maine.gov or call her direct line: 207-623-7906.

Two web links may assist in the prevailing wage process and the forms required for prevailing wage projects:

http://www.maine.gov/labor/labor_stats/publications/wagerateconst/index.html

http://www.maine.gov/labor/labor_stats/publications/wagerateconst/prevailing_wage_dashboard.shtml

Q5: What stock piled materials are on-site that will become the property of the contractor?

A5: Any material stockpiled on site after August 31st shall become the property of the Contractor.

Q6: Is a railroad superintendent required for the duration of the entire project, or just for the duration of the railroad work?

A6: The railroad superintendent is required only for the duration of the railroad work.

Q7: Is a site walk possible?

A7: Yes. A site walk will be held on Tuesday morning, July 29th, at 9:00am. We will meet beneath the Casco Bay bridge at the dirt driveway to the bridge maintenance building.

Q8: Are TWIC cards necessary for this project?

A8: Yes. Due to the security status of the existing terminal, the contractor will need to obtain TWIC cards for its employees as outlined in the 100-series of the special provisions.

Q9: Is the work associated with Commercial Street all night work, or will it be possible to perform some of this work during the day provided that the contractor maintains two way traffic?

A9: Terms of the Taming Certificate in SP 107 Time is to be adhered to. The Contractor shall maintain all lanes of traffic from 7am to 7pm. Work that can be done without closing a lane of traffic can be done anytime.

FROM SITE WALK ON 7-29-14

Q1: What is the size of CSO #027?

A1: CSO #027 is a 450-ft long (approx.) outfall pipe. The first 270-ft section starting near Commercial Street is a clay pipe of 24-inch diameter. The pipe then transitions to a wooden box structure, approximately 24-inch by 24-inch for the last 180-ft prior to outletting into the Fore River. See Sheet 12 of 116 in the Plans and Pages 155 – 164 of the Special Provisions.

Q2: Will the pile of timber debris (adjacent to the muck pile) also be removed by others by August 31 as part of the muck pile removal?

A2: Yes.

Q3: Will there be flagmen assigned to the project for daily activities such as contractor's trucks crossing the tracks.

A3: No. The contractor shall coordinate its track work with NGL, the Resident, and with personnel at Rigby Yard to install derail devices in lieu of obtaining flagman as outlined in Section 104, Pages 65 and 66 of the Special Provisions.

Q4: Please confirm that the subballast is its own separate pay item, while the ballast, ties, and rail are collectively a separate pay item.

A4: Yes. The Subballast shall be quantified as its own separate pay item: 648.313, Subballast, as identified in Section 648, Pages 247 – 249 of the Special Provisions. The ballast, ties and rail are all included in the one pay item: 648.103, 115 RE Timber & Ballasted Track Construction, as identified in Section 648, Pages 236 – 246 of the Special Provisions.

Q5: Is it possible to perform the fender replacement and repairs from the pier?

A5: Yes. It is possible to use the pier as the construction area (rather than by barge); however, the contractor will be responsible for coordinating the effort with the Resident and the Terminal Manager prior to commencement of the fender system work.

Q6: Is information available about the elastomeric fenders, and are these elements being replaced as part of the fender panel replacements?

A6: The elastomeric fenders are "Delta 28-AS" by Uniroyal Inc. The elastomeric fenders are not being replaced as part of the fender panel replacements.

Q7: Are as-built plans of the pier fender system available?

A7: Yes. As-built plans of the pier fender system will be posted on the MaineDOT project advertisement website