



## ADDENDUM NO. 1

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**Date:** April 5, 2017

**Project:** Hall Elementary School  
Portland Public Schools/City of Portland  
Portland, Maine

This addendum is issued prior to receipt of the bids and does hereby become a part of the contract documents, and in case of conflict, it shall supersede original project manual and drawings.

Each bidder shall be responsible for issuing information contained herein to sub-contractors and suppliers to ensure that their proposal covers all work required by the contract documents including this addendum.

### **GENERAL**

1. Cast dimensional letters are indicated on sheets AE201, AE202 and AE203 at exterior doors.
2. Plastic Toilet Compartments are to be ceiling mounted. Provide wood blocking at connection points.
3. On details 1/AE502, 3/AE502 and 6/AE503 the backer rod expansion joint at the base of the parapet is required.
4. The building will not be FM insured by the roof needs to meet the specified requirements of FM.

### **SPECIFICATIONS**

#### **SPECIFICATION SECTION 024119 "SELECTIVE DEMOLITION"**

1. The following equipment is to be salvaged and turned over to the owner prior to full building demolition (Photographs available upon request):
  - a. DDC Controls: Located in the boiler room back right hand corner.
    - i. 1- Schneider Electric panel
    - ii. 1- Network 8000 Control Panel
  - b. DDC Controls: Located in the back storage room of the cafeteria/gym.
    - i. 1- Network 8000 Control Panel
  - c. Components located in the boiler room.
    - i. 1- condensate return tank w/motors and pumps in the back left hand corner
    - ii. 1- Carlin oil fired burner and all physically attached controls on the HB Smith boiler
  - d. Components located in any classroom
    - i. 2 complete and undamaged coils from the unit ventilators

#### **SPECIFICATION SECTION 075323 "ETHYLENE-PROPYLENE-DIENE-MONOMER (EPDM) ROOFING"**

1. Paragraph 3.11.B.1-Flood testing: This requirement is for roof drains only (localized testing)
2. Paragraph 3.11.B.2-Low-Voltage Electrical Conductance Testing: This paragraph is for the entire roof system.
3. The wind speed warranty is to be 100 mph.
4. The project is not pursuing LEED credit SSc7.2-Heat Island Effect-Roof. No pricing for white or other colored EPDM is required.

SPECIFICATION SECTION 077100 "ROOF SPECIALTIES"

1. Paragraph 2.2-Roof edge fascia: TerminEdge EX roof edge fascia is to be 22 ga.

SPECIFICATION SECTION 084413 "GLAZED ALUMINUM CURTAIN WALLS"

1. **DELETE** paragraph 2.1.K Windborne-Debris Impact Resistance in its entirety.

SPECIFICATION SECTION 101400 "SIGNAGE"

1. **DELETE** paragraph 2.2 Plaques in its entirety.

SPECIFICATION SECTION 102113.19 "PLASTIC TOILET COMPARTMENTS"

1. **REVISE** paragraph 2.3.B to read "Ceiling Mount bracket in manufacturer's standard finish."

SPECIFICATION SECTION 211313 "WET-PIPE SPRINKLER SYSTEMS"

1. Schedule 10 black-steel pipe with roll-grooved ends; uncoated, grooved-end fittings for steel piping; grooved-end-pipe couplings for steel piping; and grooved joints is allowed for piping 5-inches and larger. For piping 4-inches and smaller, provide schedule 40 piping.

SPECIFICATION SECTION 221113 "FACILITY WATER DISTRIBUTION PIPING"

2. **ADD** Specification section 221113 "FACILITY WATER DISTRIBUTION PIPING" in its entirety.

**SECTION 221316 "SANITARY WASTE AND VENT PIPING"**

1. Paragraph 3.11 "Piping Schedule" **ADD** the following:  
"H. Underground and aboveground radon mitigation piping NPS 6 and smaller shall be the following:
  1. Solid-wall PVC piping, PVC socket fitting, and solvent-cemented joints."

**SECTION 220533 "HEAT TRACING FOR PLUMBING PIPING AND SNOW MELT"**

1. **DELETE** Specification section 220533 "HEAT TRACING FOR PLUMBING PIPING AND SNOW MELT" in its entirety. Specification section 220533 "HEAT TRACING FOR PLUMBING PIPING" is to remain.

**SECTION 230923 "DIRECT DIGITAL CONTROL (DDC) SYSTEM FOR HVAC"**

2. Paragraph 2.1 "System Description" **ADD** the following:  
"C. The DDC system shall be an extension of the existing Schneider Electric I/A Series system that is already in place throughout the City of Portland. Systems other than Schneider Electric shall integrate seamlessly with existing City-wide systems and shall be fully accessible to the City through their existing front end software"  
  
"D. Base Bid: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to the following;
  1. Schneider Electric
  2. Siemens
  3. Delta Controls
  4. Trane  
"E. Alternate 5: Subject to compliance with requirements, provide products by the Schneider Electric.

**SPECIFICATION SECTION 238236 “FINNED-TUBE RADIATION HEATERS”**

2. **ADD** Specification section 238236 “FINNED-TUBE RADIATION HEATERS” in its entirety.

**SPECIFICATION SECTION 238239.13 “CABINET UNIT HEATERS”**

1. **ADD** Specification section 238239.13 “CABINET UNIT HEATERS” in its entirety.

**SPECIFICATION SECTION 238239.16 “PROPELLER UNIT HEATERS”**

1. **ADD** Specification section 238239.16 “PROPELLER UNIT HEATERS” in its entirety.

**SPECIFICATION SECTION 312000 “EARTH MOVING”, APPENDIX A (SUBSURFACE INVESTIGATION REPORT)**

1. **DELETE** the Geotechnical Report in its entirety and **REPLACE** with attached Revised Geotechnical Report. Report has been revised to be consistent with elements indicated on Construction Drawings and Specifications.

**SPECIFICATION SECTION 334100 “FACILITY STORM DRAINAGE PIPING”**

1. Paragraph 2.10, A.2 (“Chamber Systems”)1. **DELETE** the paragraph and **REPLACE** with the following:
  1. Storage and Leaching Chambers: Injection molded polyethylene or vacuum thermoformed polyethylene, with perforated sides and open bottom. Include number of chambers, distribution piping, end plates, and other standard components as required for system total capacity.
    1. Vacuum thermoformed chambers: Constructed of high molecular weight high density polyethylene and manufactured in an ISO 9001:2008 certified facility.
    2. Injection molded polyethylene chambers: Polyethylene, conforming to ASTM F2787 and designed in accordance with ASTM F2922.

**DRAWINGS**

**Drawing CP101**

1. Tree removal work by the City of Portland consists of cutting down and removing trees only. All other items indicated on the drawings are the responsibility of the Contractor. This includes stump removal, erosion control, soil stabilization, construction entrances, etc.

**Drawing CD102**

1. **REMOVE** existing “do not enter” sign and metal signpost on the site at the end of Orono Road.

**Drawing CD103**

1. **DELETE** sheet in its entirety and **REPLACE** with attached sheet CD103. Sheet has been revised to reflect changes in Work required at the Riggs Street/Warwick Street intersection.

**Drawing CD104**

1. The City of Portland is only cutting down and removing the trees in the Phase I areas. All other items indicated on the drawings are the responsibility of the Contractor. This includes stump removal, erosion control, soil stabilization, construction entrances, etc.
2. The 38” diameter oak tree off the northeast corner of the proposed school and the northwest corner of the existing school shall be removed by the City of Portland prior to contract award. Grind tree stump and roots 3” or larger in diameter to minimum 12” below existing grade.
3. For tree stumps within drip line of trees indicated to remain, grind stumps and roots 3” or larger in diameter to minimum 12” below existing grade.

#### Drawing CS103

1. **DELETE** sheet in its entirety and **REPLACE** with attached sheet CS103. Sheet has been revised to reflect changes in Work required at the Riggs Street/Warwick Street intersection and changes to Riggs Street and Lomond Street widths.

#### Drawing CM101

1. **DELETE** sheet in its entirety and **REPLACE** with attached sheet CM101. Sheet has been revised to reflect changes in signage within the bus loop, along the entrance drive from Riggs/Lomond Street and on Warwick Street.

#### Drawing CL102

1. **DELETE** sheet in its entirety and **REPLACE** with attached sheet CL102. Sheet has been revised to reflect changes to Riggs Street and Lomond Street widths.

#### Drawing CU101

1. The proposed grease trap (keynote 55) is 1,000 gallons.

#### Drawing CG102

1. **DELETE** sheet in its entirety and **REPLACE** with attached sheet CG102. Sheet has been revised to reflect changes in Work required at the Riggs Street/Warwick Street intersection and changes to Riggs Street and Lomond Street widths.

#### Drawing C-301

1. **DELETE** sheet in its entirety and **REPLACE** with attached sheet C-301. Sheet has been revised to reflect changes to Riggs Street and Lomond Street widths.

#### Drawing C-510

1. Detail 2, "Underdrained Subsurface Sand Filters"
  - a. **REVISE** pre-treatment row chamber material indicated to be polyethylene.
  - b. In Section A-A, the position of the underdrains indicated is in accordance with MDEP requirements, including the 4" of material between the invert of the underdrains and the PVC liner.
  - c. The minimum required volume in the entire system above the filter bed (including pre-treatment row, crushed stone and modular box storage chambers) is 51,269 ft<sup>3</sup>. However, at least 26,589 ft<sup>3</sup> is required between the top of filter bed elevation (56.82') and the maximum treatment elevation (58.82'). Additional storage may be permitted above the maximum treatment elevation. However, any proposed modifications to the storage configuration or volume shall be approved in writing by the Architect.
  - d. It was asked if it would be acceptable to use arch chamber-style system in lieu of modular box storage chambers. Such a substitution will require significant modifications the existing City and MDEP permits for the project. If this is being considered, the Architect shall make a determination of whether this is a reasonable substitution. In order to make this determination, **SUBMIT** a design to the Architect for review and confirmation that the design meets all other requirements indicated on the construction documents and listed in items a-c above, including overall footprint of the system.

#### DRAWING AE104

1. Window tag C9 at the end of Corridor D28-West side is to be revised to tag C10.

#### DRAWING AE201

1. The curtainwall frame directly above doors A01/A02 is frame type C2. This is also indicated on detail 1/AE201 (detail is skewed).

#### DRAWING AE203

2. Detail 3/AE203, The opening located directly above door C10A is mechanical louver L-2, indicated on sheet MH-104.

#### DRAWING AE501

1. Detail 1/AE501: Both layers of ½” coverboard is to be polyisocyanurate coverboard.
2. Detail 1 and 2/AE501: The minimum of R38 base insulation is comprised of the (2) 3” layers of polyisocyanurate insulation as well as the (2) layers of ½” polyisocyanurate cover board. Additional R-Value from the tapered insulation is in addition to the base requirements.

#### DRAWING AE510

1. Detail 12/AE510: Basis of design for aluminum column wrap is to be Pac-Clad PAC-1000F Column Cover or approved equal. Material is to be .125 Aluminum, flush joints, 2 coat Kynar 500 finish, color selected from manufacturers full range including metallic and premium colors.

#### DRAWING AE601

1. Door A03A Revise door type to “A”
2. Door A03B Revise door type to “A”
3. Door A11B Revise door type to “A”
4. Door C15 Revise door thickness to 1-3/4”
5. Door C15A Revise door thickness to 1-3/4”
6. Door C16 Revise door thickness to 1-3/4”
7. Door A37C Revise door finish to indicate HPC (Frames to match door finish)
8. Door A37D Revise door finish to indicate HPC (Frames to match door finish)
9. Door A37E Revise door finish to indicate HPC (Frames to match door finish)

#### DRAWING AE602

1. Door D15 Revise door thickness to 1-3/4”
2. Door D16 Revise door thickness to 1-3/4”
3. Door D18A Revise door thickness to 1-3/4”
4. Door D23 Revise door thickness to 1-3/4”
5. Door D23A Revise door thickness to 1-3/4”
6. Door D26 Revise door thickness to 1-3/4”
7. Door D26A Revise door thickness to 1-3/4”
8. Door D32 Revise door thickness to 1-3/4”

#### DRAWING AE661

1. Sign type G-Provide 10 Signs, locations to be provided by Architect
2. Sign type H-Provide 4 signs for Gymnasium and 2 signs for Cafeteria
3. Unless otherwise noted, provide 1 sign for each location listed.

#### DRAWING FX101

1. Sprinkler piping for the first floor zones 1&2 run above the stage ceiling. The stage ceiling is at 17’-2”. Sprinkler piping runs across the stage and into Mechanical room D13 and then drops through the floor of mechanical room D13 and into the first floor ceiling.

#### DRAWING P-101

2. **DELETE** sheet in its entirety and **REPLACE** with attached sheet P-101. Missing pipe sizes have been provided throughout.

#### DRAWING P-102

1. **DELETE** sheet in its entirety and **REPLACE** with attached sheet P-102. Missing pipe sizes have been provided throughout.

DRAWING P-103

1. **DELETE** sheet in its entirety and **REPLACE** with attached sheet P-103. Missing pipe sizes have been provided throughout.

DRAWING P-104

1. **DELETE** sheet in its entirety and **REPLACE** with attached sheet P-104. Missing pipe sizes and temperature maintenance zones have been provided throughout.

DRAWING P-105

1. **DELETE** sheet in its entirety and **REPLACE** with attached sheet P-105. Missing pipe sizes and temperature maintenance zones have been provided throughout.

DRAWING P-106

1. **DELETE** sheet in its entirety and **REPLACE** with attached sheet P-106. Missing pipe sizes and temperature maintenance zones have been provided throughout.

DRAWING P-107

1. **DELETE** sheet in its entirety and **REPLACE** with attached sheet P-107. Missing pipe sizes have been provided throughout.

DRAWING P-108

1. **DELETE** sheet in its entirety and **REPLACE** with attached sheet P-108. Missing radon and sanitary vent pipe sizes and locations have been added.

DRAWING P-401

1. **DELETE** sheet in its entirety and **REPLACE** with attached sheet P-401. Missing pipe sizes and temperature maintenance zones have been provided throughout.

DRAWING P-402

1. **DELETE** sheet in its entirety and **REPLACE** with attached sheet P-402. Missing pipe sizes and temperature maintenance zones have been provided throughout.

DRAWING P-403

1. **ADD** sheet P-403 attached which was omitted from the printed drawing set.

DRAWING P-404

1. **ADD** sheet P-404 attached which was omitted from the printed drawing set.

DRAWING P-601

1. Mixing Valve Schedule: For EMV-2 and EMV-3, **CHANGE** Basis of Design to read as "**Guardian G 3600LF**".
2. HW Temperature Maintenance Schedule: For Zone T7, **CHANGE** Max Circuit Length to read as "**250**".
3. Trap Primer Assembly Schedule:
  - a. For TPA-2, **CHANGE** Location to read as "**CUST A25**".
  - b. For TPA-3, **CHANGE** Location to read as "**TOILET B17A**".
  - c. For TPA-6, **CHANGE** No of Design Connections to read as "**6**".
  - d. For TPA-7, **CHANGE** No of Design Connections to read as "**7**".

DRAWING P-701

4. **ADD** sheet P-701 attached which was not included in the original printed drawing set.

DRAWING P-702

1. **ADD** sheet P-702 attached which was not included in the original printed drawing set.

DRAWING P-703

1. **ADD** sheet P-703 attached which was not included in the original printed drawing set.

DRAWING P-704

1. **ADD** sheet P-704 attached which was not included in the original printed drawing set.

END OF ADDENDUM No. 1