

**Addendum  
No. 2**

Addendum Date: August 6, 2019  
Project: Bathroom Renovations at the Delaware State Fire School  
DFM Project No: MJ1002000037

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The work herein shall be considered part of the bid documents for the referenced project and carried out in accordance with the following supplemental instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Acknowledge receipt of addendum on the bid form as indicated.

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**Clarifications:**

1. The project requires the construction and installation of temporary walls and signage to control pedestrian traffic. The work is to be staged such that one of the two restroom corridors are accessible to pedestrian traffic at all times.
2. The expected construction duration is to begin October 1, 2019 with substantial completion targeted January 31, 2020.

**Changes to Scope:**

1. The contractor shall provide 100ft of ¾" diameter flexible PVC pipe connected to an existing hose bib and a temporary bathroom facility with 1" thick flexible elastomeric insulation. The temporary bathroom facility is to be furnished and located by owner.
2. The contractor shall provide one (1) 20A circuit and weatherproof fused disconnect at temporary bathroom facility with temporary outdoor feeders located within 100 linear feet from source panel. The source panel shall be PNL-BOILER RM located in the boiler room.
3. The contractor shall provide heat trace for the hose bib and outdoor temporary water line to temporary bathroom facility. Heat trace shall be Chromalox SRF Self-Regulating Heat Trace with ambient sensing thermostat. The contractor shall provide breaker(s) per NEC. The source panel shall be PNL-BOILER RM located in the boiler room.

**Responses to Questions:**

1. **Question:** Is one original copy of the bid form acceptable to submit on bid day.  
**Response:** One copy of the bid form is acceptable. Multiple copies are not required.
2. **Question:** Who is the current BMS vendor?  
**Response:** The current BMS vendor on site is Automated Logic by Radius.

3. **Question:** Who is the current fire protection vendor?  
**Response:** The current fire protection vendor is Hoopes Fire Protection.
4. **Question:** Are background checks required for this site?  
**Response:** No.
5. **Question:** Is there any requirement or allowance for temporary walls / protection surrounding the work area?  
**Response:** The contractor is to provide signage and temporary walls, and stage work as required to allow one of the two bathroom corridors available to pedestrian traffic at all times.
6. **Question:** Addendum 1 – item 7a indicated that drug affidavits are required for subcontractors at bid time. Only the GC is required to submit the drug affidavit at bid time. Please clarify?  
**Response:** Item 7e in Addendum 1 indicates drug affidavits are required for subcontractors which is not correct. The drug affidavit are required for the GC only.
7. **Question:** P-101 The DCW riser up from the well is shown as 2” pipe connecting to a 3” new water line into the building. Please clarify this is correct. Should the new water main line be 2” as well, to match the pump riser?  
**Response:** A 2” riser is to be provided from the well pump to the well head, and a 3” water main is to be provided from the well head into the building.
8. **Question:** What pipe material should we figure for the new, 2” well riser?  
**Response:** See specification 22 10 05 for pipe material specifications including buried water piping.
9. **Question:** Specs show PVC as an option for DWV above the floor, but indicate cast iron as the DWV pipe below the slab. Can PVC also be used below the slab for DWV?  
**Response:** No, PVC is not permitted below slab.
10. **Question:** For the concrete finish, the product it calls for is Ardex CG Concrete Guard – do they want clear or grey? The Ardex concrete guard is a sealer but the prints state epoxy. Which product and process is to be used?  
**Response:** Floor finish to be epoxy coating with integral epoxy wall base as specified the drawings and specification section 09 96 00 High Performance Coatings.

11. **Question:** 2/P101 – Shows a new 4” sanitary line servicing the lavs and showers around the perimeter, and connecting to a point in the chase. Can you clarify the connection in the chase?  
**Response:** Contractor to connect 4” lines underground, connect to existing sanitary in chase.
12. **Question:** 2/P101 – Shows the drainage line to the mop sink as 2in. Should the mop sink and the drain lines be 3in? Clarify.  
**Response:** Correct, drain line should be 3”Sanitary.
13. **Question:** 2/P101 – How deep is the existing main sanitary line for connection to the new piping?  
**Response:** Contractor to field verify.
14. **Question:** Several of the water supply lines feeding new fixtures are larger than required. Please clarify if these pipe sizes are correct. Could save a few dollars by resizing these lines.  
**Response:** See Plumbing Fixture & Connection Schedule for pipe sizes.
15. **Question:** In light of the electrical transformer, buried services, concrete wall, thickened slab and lack of access around the existing boiler to excavate for the new water service coming into the building, would the owner consider assembling an exterior pipe chase on the back of the boiler room, to house the new service and enter the building in the ceiling of the boiler room?  
**Response:** No, an exterior pipe chase is not permitted.
16. **Question:** Are you going to require dowels for the concrete put back in the trench?  
**Response:** Refer to Addendum No. 1 for the concrete slab infill reinforcement. Provide 12” long dowels, drill to existing slab 24” O.C., and alternate sides.
17. **Question:** What are the finish heights of the new CMU walls? Is there a section that will show us the finish height? The ceilings are 8’-10”.  
**Response:** Extend CMU walls up to metal deck.
18. **Question:** Is each trade to provide their own excavation for their work? As an example, the plumber must do excavation for removal of the domestic water system. The plumber shall also excavate for the under slab sanitary?  
**Response:** The contractor is required to coordinate trades to accomplish the scope of work indicated in the documents.

19. **Question:** Can you clarify the sprinkler work, number of heads to be relocated, etc.?  
**Response:** The area is currently sprinklered but the quantity of heads is unknown. The contractor is responsible to reconfigure the system with new heads installed centered in new ceiling tiles.
20. **Question:** What is the existing floor finish in the bathrooms?  
**Response:** The existing floor finish is tile on a thick-set mortar bed.
21. **Question:** On the plumbing drawing it says the floor slab is 12 inches thick where the new domestic water comes in, are we to assume that is the same for the bathroom trenching? Also is impact resistant drywall required?  
**Response:** The floor slab thickness is not known but it may be assumed to be 12 inches thick. Provide impact resistant drywall as per drawings.
22. **Question:** All showers are indicated as P7, standard showers with traditional thresholds. The plan view shows an ADA shower stall with a seat. Please clarify if there is to be an ADA stall spec provided. This stall may require sinking into the slab to meet code. Please confirm.  
**Response:** The BestBath model specified on P-000, 4LSS4238A5T has a ½" threshold that is ADA compliant.
23. **Question:** Pit-less adapter in the well is facing the opposite direction of the proposed new supply pipe.  
**Response:** The existing pit-less adapter is to be replaced with replacement riser and water main.
24. **Question:** Current pit-less adapter is not 2in and will not work with the new installation. The existing adapter is facing the opposite direction from the new water line entry point into the casing. Please clarify how you would like to proceed with this install?  
**Response:** The existing pit-less adapter is to be replaced with replacement riser and water line. The contractor is to provide a new check valve downstream of the new pit-less adapter.
25. **Question:** The drawings do not indicate the location of the existing water service entrance, and whether we are to cap this line or remove as part of the project. Please clarify.  
**Response:** The existing water line is to be demolished and removed. Please see 1/P101 Plumbing Demolition Plan.
26. **Question:** Can you clarify what type of roof for the exhaust fan penetration that needs to be flashed in?  
**Response:** The roofing is built-up and the roof deck is metal deck.

**Changes to Drawings:**

1. *Drawing AD100* – Add demolition of corridor ceiling. See revised Drawing AD100, attached.
2. *Drawing A-100* – Add replacement of corridor ceiling. See revised Drawing A-100, attached.
3. *Drawing A-600*:
  - a. All doors at the bathrooms shall have a metal louver. See sketch SK-A0.1.
  - b. Added equipment curb flashing details. See sketch SK-A0.2.
4. *Drawing M-101*: Add temporary relocation and replacement of ductless split heat pump and water treatment bypass feeder. See attached revised Drawing M-101.
5. *Drawing P-101*: Revise underground domestic water pipe routing and revise sanitary drain size as indicated in revised Drawing P-101, attached.

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