

**ADDENDUM NO. 5 TO CONTRACT NO. 1479**

**Powell Replacement Elementary School  
7511 South Shore Drive  
For  
New Construction**

**DATE:** Monday, May 11, 2009

**NOTICE OF CHANGES IN CONTRACT DOCUMENTS**

The following changes are hereby made in the Contract Documents.

**Changes to Book 1 PROJECT INFORMATION, INSTRUCTIONS TO BIDDERS, AND EXECUTION DOCUMENTS**

**Change 1:** Reschedule Bid Open Date and Time: **Thursday, May 14, 2009 at 2:00PM**

**Change 2:** Replace: Bid Form with revised Bid Form dated: **May 6, 2009 (see attached)**

**CHANGES TO SPECIFICATIONS**

**Change 1:** Added Section 02119 Liquids Removal / Disposal

**Change 2:** Section 15950, 1.5, A  
Replace paragraph with the following:  
*The following companies are acceptable provided the BAS system shall be web based and shall meet all the requirements stated in the specification.*

**Change 3:** Replace Assistive Listening Device Systems – Section 16750 with attached.

**CHANGES TO DRAWINGS**

**Change 3:** Sheets C0.0  
Utility Notes:  
Delete note number 9 in its entirety.

**Change 4:** MSK-001 Sheet M1.9 See attached.  
Separate 2½" gas piping to water heater added to reflect riser diagram. Gas piping to Teacher's Demonstration Desk in Science Classroom taken from gas piping to water heater. Gas piping size to boilers changed to 6" to reflect riser diagram.

**Change 5:** MSK-002 Sheet M1.13 See attached.  
Separate 2½" gas piping to water heater added to reflect riser diagram. Gas piping size to boilers changed to 6" to reflect riser diagram. Revised heating water pipe size to gymnasium VAV boxes.

**Change 6:** MSK-003 and MSK-004 Sheet M4.2 See attached.  
Separate 2½" gas piping to water heater added to reflect riser diagram. Gas piping size to boilers changed to 6" to reflect riser diagram. Revised heating water pipe size to gymnasium VAV boxes to 2".

**Change 7:** MSK-005 Sheet M5.5 See attached.  
Gas piping to Teacher's Demonstration Desk in Science Classroom taken from gas piping to water heater.

### **QUESTIONS & ANSWERS:**

- Q1.** We are request more information on plate closure at masonry openings, section 12/A6.10 and 15, 16/A9.2. wide flange beams exterior wall penetration and (visible) interior beam penetration's.
- 1) Is this for fireproofing or cosmetic appearance only?
  - 2) Is this necessary with structural steel receiving a coat of fireproof coating?
  - 3) If required would this only be in the gym, generator room and fan room on 3rd floor only?
  - 4) In order to Insure proper alignment with masonry walls, Plates will have to installed in field do to allowable masonry tolerance's. Please provide a field weld and structural detail material sizes?
- A1.** **The plates are to complete the building enclosure and for cosmetic purposes. This condition occurs in locations beyond the third floor of the building. Refer to the Code Matrix, Sheet G2.1 for fireproofing requirements. The plates are to be 3/16" plate with a 3/16" weld.**
- Q2.** In Addendum 3, Sheet M1.9 shows (3) 4" gas lines running from the gas booster pumps up through the ceiling to the 2nd floor. Sheet M1.13 from the original bid documents shows (2) 4" gas lines coming up into the 3rd floor...one for the generator and one for the mechanical room. Should the gas line from the booster to the Science Classroom gas cock really be 4"?Also, it seems the Gas Riser Diagram on Sheet M5.5 of the Addendum doesn't coincide with the piping layout shown on the plans. There is not 2-1/2" nor 6" gas piping shown on the plans. Plus, according to the plans, the gas water heaters AND boilers share service from the same 4" gas pipe that splits within the mechanical room. Please clarify the design intent of the gas piping for this project with revised piping plans and/or Gas Riser Diagram.
- A2.** **Drawings M1.9, M1.13, M4.2 and M5.5 have been revised to address riser diagram: (1) 6" line to boilers, (1) 4" line to the generator, (1) 2-1/2" line to the water heaters. Gas line to the Science Class room is ¾", gas cock is line size.**
- Q3.** Bid Note BN-1 states that all bids should include add/deduct unit prices. This has been further noted in answer 14 in addendum #3. There is no location in the bid form to include these unit prices. Please clarify how these unit prices are to be submitted with our bid.
- A3.** **Not to be included unless it is a PBC requirement.**
- Q4a.** It is our understanding from the site prep technical review meeting that there is water currently on site considered "hazardous". The site prep drawings and specifications do not seem to indicated any hazardous materials on site.
- A4a** **As stated during the meeting, testing to-date has identified no hazardous waste (soil or water) at the site.**
- Q4b.** Please confirm that the water within the pool is considered "hazardous". If this water is considered "hazardous" please issue requirements for disposal of this water.

- A4b.** As stated during the meeting, testing to-date has identified no hazardous waste (soil or water) at the site.
- Q4c.** Please confirm that all costs associated with removal of this water is to be by the contractor.
- A4c.** **Yes – the Contractor is responsible for the costs.**
- Q4d.** Please confirm that none of the soil is considered "hazardous", but only "non-special-non-hazardous" waste.
- A4d.** **This is correct.**  
**Polynuclear aromatic hydrocarbons (PNAs) were detected at concentrations above TACO Tier 1 residential objectives in soils. Specifications 02316 and 02119 cover removal of the soil and liquid, respectively, from the site.**
- Q5.** I reviewed the 4 addenda issued to date and don't see where the following question was addressed: Sheet E1.3, in the middle of the Gymnasium there are 3 Notes listed Notes 2 & 3 indicate that the sound system equipment and the assisted listening devices are to be provided (furnished & installed) by the CPS Keynote 1 on the same sheet indicates we provide concealed raceway & backboxes for sound system which seems to confirm Note 2 You issued a revised spec section 16750 - Assisted Listening Device System in Addendum 3 which seem to contradict Note 3; similar notes are listed in the Dining Room on sheet E1.1 Please clarify what this contract is responsible for as it pertains to the Gymnasium & Dining Room sound system and assisted listening system
- A5.** **Specification Section 16750 Assisted Listening Device Systems has been revised to address your question.**
- Q6.** Now that the site prep package has been rolled into our contract will the completion time be adjusted to reflect this additional work?
- A6.** **No, the duration time has already been adjusted to reflect the additional work.**
- Q7.** I understand that the IEPA permit is the issue behind the statement in addendum 3, "Bidder shall assume that no building Work (e.g. foundations) will begin prior to 90 days after Notice to Proceed". If this is worst case it could be a 3 month delay to start the site prep package plus the time to perform the site prep work. Typically our completion time starts from that point. Please clarify.
- A7.** **The General Contractor (GC) will be able to start site prep on the date in which the Notice to Proceed is issued. Building work (e.g. foundations) may commence after 90 days from the Notice to Proceed.**
- Q8.** What additional insurance issues will need to be addressed by the general contractors now that the site prep package is within our scope of work? Is there a specification for that work to which we can refer to?
- A8.** **See Exhibit 2 Book 1**
- Q9.** Please provide a copy of the meeting notes which were being taken by the PBC.
- A9.** **Formally written questions handed in at the end of the Tech-review will be addressed in this addendum.**
- Q10.** Please confirm the exact estimated depth of petroleum impacted soil to be removed. The excavation note on sheet SE.1 states a range of 8 to 12 feet. We will figure 8 feet unless notified otherwise.
- A10.** **Soil from grade to 8 feet below can be re-used in the excavation below 3'-0" of depth. Oil impacted soil from 8 feet to 12 feet is to be removed for disposal at an opened approved Subtitle D landfill.**

**Q11.** Please review drawing SE.1 note 4.H. This note is in conflict with the comments made by the Consultants at the Tech. Meeting and is contrary to the GEC Site Preparation recommendation letter dated 4/30/2009.

**A11.** **There is not a conflict – the design specifications require CA-6 or CA-7 as subgrade beneath these areas. Even if impacted soil remains beneath these areas, the required subgrade material must be placed.**

**Q12.** Is existing topsoil suitable for reuse?

**A12.** **Existing topsoil in the PNA impacted area is not suitable for re-use. All else is re-usable. The on-site testing agency can direct if the remaining soil can be amended to match the specifications and geotechnical report requirements that would be suitable for planting mix use or backfill use.**

**Q13.** Please provide the quantity of petroleum contaminated water to be removed.

**A13.** **Scope of Work for Installation and Removal of Temporary Sheet Piling for Excavation Shoring and Bracing:**

1. **Temporary sheet pile installation is required to provide groundwater cut-off and excavation support for the removal of petroleum-impacted groundwater, soil, concrete, brick and general construction debris in contact with the groundwater and soil within the approximate 50 ft x 60 ft area as shown on Drawing SE.1 (Soil Excavation Plan) and described in Drawing SE.1 Legend and Notes. Depth of excavation of impacted soil and debris is estimated at approximately 12 ft. Both area and depth is approximate, based on project soil borings and trench excavations.**
2. **Temporary sheet pile shall be installed minimum 15 ft from the estimated excavation area, i.e., in an approximate 80 ft x 90 ft rectangle area and driven to bedrock estimated at minimum 28.5 ft below grade based on project soil borings.**
3. **Temporary sheet pile installation and removal shall be in accordance with Project Specification Section 02300.**
4. **Demolition and removal of utilities, foundations and structures, if located within the sheet pile installation alignment will be performed by the General Contractor.**
5. **Contractor shall submit installation plan identifying proposed alignment, sheetpile type, and any construction requirements for permitting purposes. Removal shall not take place until excavation and backfilling of impacted soil and debris area is complete, unless otherwise approved by the Commission. Alignment initial survey shall be provided by the General Contractor.**
6. **Option for water management as requested to be bid:  
Install temporary sheeting around the excavation as a cutoff wall. This option is anticipated to involve handling approximately 1.1 million gallons of water, estimated at a rate of approximately 50 GPM for 2 weeks. 150,000 gallons are to be estimated as petroleum impacted; the remainder is to be estimated as water that can be disposed as un-impacted water.**

**Q14.** Please provide an electronic copy of the test pit / trench photos referred to in the GEC report.

**A14.** **See attached.**

**Q15.** What is the definition of structural soil backfill as indicated in detail 2 on drawing L2.1? Is the intent to utilize CU Structural soil backfill?

**A15.** **Yes the intent is to use CU Structural soil.**

**Q16.** Per our discussion at the technical review meeting on 5-5-09, please provide an allowance for contaminated water removal per drawing SE.1 (defined estimate quantity), with any additional contaminated water being removed of paid for on a unit price basis?

**A16.** **See answer to A13.**

**List of Attachments:**

Bid Form, dated 5-6-09

Test Pit / Trenching Photos .zip file

Specification Section 02119 Liquids Removal / Disposal (8 ½"x11" format)

Specification Section 16750 Assistive Listening Device Systems, complete section. (8 ½"x11" format)

MSK-001, 1 page (11"x17" format), dated 5-5-09

MSK-002, 1 page (11"x17" format), dated 5-5-09

MSK-003, 1 page (11"x17" format), dated 5-5-09

MSK-004, 1 page (11"x17" format), dated 5-5-09

MSK-005, 1 page (11"x17" format), dated 5-5-09