



STATE OF DELAWARE  
DEPARTMENT OF NATURAL RESOURCES  
& ENVIRONMENTAL CONTROL  
DIVISION OF WASTE AND HAZARDOUS SUBSTANCES  
391 LUKENS DRIVE  
NEW CASTLE, DELAWARE 19720-2774

SITE INVESTIGATION &  
RESTORATION SECTION

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**CONTRACT DOCUMENTS & TECHNICAL SPECIFICATIONS  
ADDENDUM No. 2  
Former George Gray Elementary School Site Remediation  
NAT-16-001-GREYREM  
February 12, 2016**

This Addendum shall be attached to the specifications and/or drawings of the above named project and shall become part of the contract documents. All statements made herein shall supersede statements in the main body of the specifications and items shown on the drawings with which they are in conflict. Work and materials not specifically mentioned herein shall be as described in the main body of the specifications and as shown on the drawings. All other terms and conditions remain the same. The bidder must acknowledge the receipt of this addendum on 00 41 13-2 the Bid Form.

**CHANGES AND/OR ADDITIONS TO THE CONTRACT DOCUMENTS**

**Modification to Drawings:**

- Detail 4 Sheet C-150 will be replaced with Detail 4a Sheet C-150a included in this addendum.

**Modification to Specifications:**

None.

**Response to Bidders Questions**

1. The 6" & 8" Non-reinforced concrete pipe has not been made for 40 years, what do you want us to propose as an alternate?

**Class II - 12" RCP (tongue and groove) will be used in place of the 6" and 8" concrete pipes.  
Replace Detail 4 Sheet C-150 with Detail 4a Sheet C-150a included with this addendum.**

2. The existing fence that is being removed, are we re-using or are installing new?

**The entire existing fence will be removed and a new fence will be installed.**

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3. What do we do with the excavated material the needs to be removed to establish 24" of clean fill?

That excavated material will be spread evenly across the entire site. See Sheet C-115 for grading.

4. Will offsite disposal be required and/or is it anticipated?

All soil will remain onsite. Vegetation (trees that will be cleared and grubbed), the existing concrete sidewalk and post footings, posts, and any other miscellaneous items on Sheet C-111 will need to be disposed offsite.

5. Do samples need to be collected from the topsoil and clean fill in accordance with the DNREC soil reuse policy?

All imported fill needs to be tested and documentation needs to be provide according to *Specifications Section 31 00 00 Part 2.1 Requirements for Offsite Soils* OR as an alternative testing and documentation can be provided in accordance with current DNREC soil reuse policy (DNREC, Policy Soil/Material Re-use Policy at HSCA Regulated Sites, dated May 19, 2010.)

6. Is a site trailer required?

No.

7. Currently, how many bench marks are there for the site?

5 transverse points are located on Sheet C-110.

8. Does the soil need to come from a borrow pit or can it come from a difference source?

All fill for the 24" soil cap must be imported from a tested and approved off site source.

9. Is there a preferred borrow source?

No. All imported fill sources will need to be tested and approved.

10. Does the topsoil need to be properly disposed at a licensed facility or can we simply cap the entire site, topsoil included?

The entire site will be capped. Topsoil will not be hauled offsite. The site will be regarded in accordance with sheet C-115.

11. How thick is topsoil across site?

Existing top soil is 4-6 inch depth. Imported top soil will be placed at a 4 inch depth across the site above the 20" soil cap. See Sheet C-150 Detail 2.

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12. If dewatering is necessary, can we discharge to the site or do we need a permit from the City to discharge to an approved manhole?

Dewatering, if necessary, will be based on the contractor's means and methods. Any site dewatering system shall be in compliance the current DNREC Erosion & Sediment Control Handbook (Rev. 03/2013). Final dewatering approval will be provided by DNREC Sediment and Stormwater and the Site CCR. There are no approved manholes for direct discharge.

13. What are the contaminates in the groundwater?

The groundwater at the site has not been sampled. The deepest structure depth (CB 0103) is 8.05 feet and the historic groundwater depth is approximately 11 feet below ground surface. Test Pit logs have been provided in the "Supplementary Information" as part of the Bid Documents. Groundwater is not anticipated to be encountered.

14. What method should PCBs be tested for?

Existing site soil does not need to be tested. All imported fill needs to be tested and documentation needs to be provide according to Specifications Section 31 00 00 Part 2.1 Requirements for Offsite Soils OR as an alternative testing and documentation can be provided in accordance with current DNREC soil reuse policy (DNREC, Policy Soil/Material Re-use Policy at HSCA Regulated Sites, dated May 19, 2010.)

15. How long anticipated for landscape establishment after job is completed?

Once DNREC Sediment and Stormwater provide approval to remove all perimeter controls, landscape established will be considered complete.

16. I did not see protective tree collars specs in the document. Please clarify.

Tree collars are not required for the project. The 4 larger trees that are marked to remain do not require collars.

17. Who's responsible for repairing asphalt near construction entrance if its quality deteriorates during site work?

The Contractor is not responsible for repairing adjacent roads provided they are using legal over the road construction equipment and vehicles.

18. Rinker the RCP manufacture is stating that they no longer make 6 or 8" RCP that the smallest size is 12". We can get 6" and 8" ADS N-12 HDPE piping or PVC piping in that size also. Please Advise.

See answer #1.

19. Will Black and Veatch be the Environmental inspector on the job? If so, will they be handling all the Environmental testing, reporting and record keeping?

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No, Black & Veatch will not be the environmental inspector on the job. Black & Veatch will not be handling the environmental testing, reporting, and record keeping.

20. Will Black and Veatch supply the site specific safety plan?

No, the contactor will provide a site specific safety plan.

21. All excavated soils will remain on site. Correct?

All excavated soils will remain on site and be placed under the soil cap.

22. Does the fencing installation contractor require 40 hr Hazwopper certification?

The personnel that are excavating the footings will need to be 40 hour HAZWOPER certified. Since the concrete footings extend down through the 24" soil cap the existing contaminated soil will be exposed. It is the bidder's responsibility to determine the construction means and methods for completing this and therefore which personnel/subcontractors will need the 40 hour HAZWOPER certification.

23. A perimeter safety fence is in place on site. Will this fence remain until construction is completed? If so, who is responsible for the cost of removing it?

The contractor is responsible for the cost of removing the fence that is currently on Parcel #260290235 and installing a new 8' high chain link fence.

24. Can an 8" compost filter log be substituted for an Erosion EEL?

9.5" diameter "Erosion Eels" filled with Mixture Specification 1.1 or 1.2 as manufactured by *Friendly Environment* can be substituted in place of 8" compost logs.