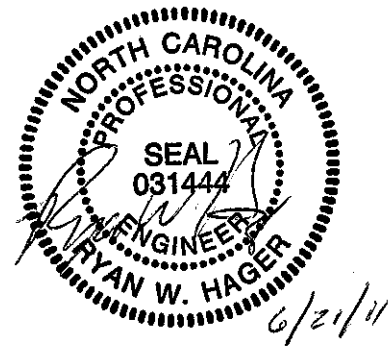


## Addendum No. 2

To: All Plan Holders  
From: Ryan W. Hager, PE  
Date: June 21, 2011  
Re: Well #3 Treatment System  
Harrisburg, North Carolina  
WKD No. 20110025.00.HI



Your attention is directed to the following changes and/or additions to the contract documents, specifications and plans for the aforementioned project:

### Contract Documents and Technical Specifications:

#### **Technical Specifications:**

1. Section 33 31 00 – “Sanitary Utility Sewerage Piping”, Part 2.1. ADD paragraph B which reads:
  - B. PVC Flexible Joint Plastic Pipe: ASTM D3034, Type PSM, Poly (Vinyl Chloride) (PVC) material; bell and spigot style rubber ring sealed gasket joint.
    1. Pipe Class: SDR 35.
    2. Fittings: PVC conforming to pipe specifications.
    3. Joints: ASTM F477, elastomeric gaskets.

#### **Contract Plans:**

1. SHEET E3 – “Lighting and Power Plan” and SHEET E4 – “Power Riser Diagram”:  
Contractor shall remove and replace upper Booster Pump Control Cabinet shown on SHEET E3 with variable frequency controller as specified in section 26 29 23 – “Variable Frequency Controllers”. The variable frequency controller shall be fed from Panel Board “P” using a new 125A., 25 KAIC, 3-pole circuit breaker mounted in position 7,9,11. Run circuit to the controller as 3#4, #6G, 1-1/4”C. Run circuit from variable frequency controller to 40 hp booster pump as 3#4, #6G, 1-1/4”C. The variable frequency controller shall be no more than 36 inches tall in order to fit into the space made available by removing Booster Pump Control Cabinet. The Contractor shall include in his bid extra labor and materials to locate the controller at an alternate location if the controller is taller than 36 inches.
2. SHEET C15 – Chain link gates shall have vertical vinyl slates installed to match existing fencing.

3. SHEET C20 – “Bioretention Area Detail”, Notes. Note No. 2 should read as follows:

2. Minimum depth of planting mix shall be 2.00'. The planting mix for use in the bioretention facility shall be as follows:

- 85-88% Sand
- 8-12% Fines
- 3-5% Organic
- Permeability: 1-2 in/hr

The Contractor shall acknowledge the receipt of Addendum # 2 on their bid.

**Addendum No. 2**  
**Contractor Questions & Answers**

Your attention is directed to the following questions and answers related to the contract documents, specifications and plans for the aforementioned project:

1. What is the material is the boxing and siding on the gable end of the new building?

**See specification section 06 20 00 – “Finish Carpentry”, Article 2.1 – “Exterior Finish Carpentry”. Softwood lumber and plywood, preservative treated. (Vertical channel in siding should match existing construction as closely as practical.)**

2. What is the 5/8” material on the roof of the new building?

**See specification section 06 10 00 – “Rough Carpentry”, Article 2.2 – “Sheathing Materials”. (Note: Plywood sheathing may be 19/32” thick in lieu of 5/8”)**

3. What is the ceiling material inside the new building and in the open (porch) area?

**Interior ceiling to be ½” thick gypsum board per Article 2.1 – “Materials” of Section 09 29 00 – “Gypsum Board”. Porch ceiling to be ½” thick exterior grade fire retardant and preservative treated plywood per Article 2.1 – “Exterior Finish Carpentry” of Section 06 20 00 – “Finish Carpentry”.**

4. Would it be allowed to use the stone removed from the existing gravel access road as structural backfill beneath the new facilities?

**Yes, if all debris and excess soil is removed prior to placement.**

5. The soils report recommends undercutting the soils to a depth of 5.5 feet below the new building extending 1 foot outward for every 1 foot in depth plus 5 additional feet. This would require shoring the existing building and removing and replacing the existing fence. Is this amount of undercutting required beneath the new building?

**Yes. The new building and brine tank area shall be undercut to a depth of 5.5 feet below grade and extend 1 foot outward for every 1 foot in depth plus 5 additional feet. However, the 5 additional feet width of undercutting may be eliminated to avoid conflict with the existing building. Contractor shall maintain a 1:1 slope of unexcavated soil from a point 1 foot outside the footing line of the exiting building. Remove existing chain link fencing with vertical vinyl slats as needed to accommodate excavation and restore to original condition.**

6. Who will pay for and perform the sewer tap?

**The contractor will be responsible for making the sewer tap into the existing manhole located at the driveway entrance to the project site. There will be no sewer tap fee charged by the Town of Harrisburg.**

7. There are several places in which the Contractor is to coordinate relocating existing services. There is no way to get a cost from the Utility Owners at this time. Could this cost be covered in an allowance?

***There are two existing underground utility lines that conflict with the proposed project. One is an ungrounded electric line providing power to the baseball field lights. This electric line is owned by the Town of Harrisburg. The Contractor will be responsible for performing the necessary relocation of this electric line. The second is a 2" underground natural gas service line to the standby generator. It is owned by PSNC Energy. The Town of Harrisburg will pay for the relocation of this gas service line. The Contractor shall be responsible for coordinating the relocation with PSNC Energy and the Town of Harrisburg.***