

ADDENDUM NO. 1

**DATED July 15, 2021
MADBURY WELLS #2, #3, #4 & #5 UPGRADE
CITY OF PORTSMOUTH, NH**

The following changes and information are hereby incorporated into the Contract Documents (Project Manual and Construction Drawings).

SPECIFICATIONS

NO CHANGES

DRAWINGS

1. E-1. Well #2 First Floor Plan. **Change** wiring between the new disconnect and existing transformer from 2 sets 4-500 KCMIL; 4" C, 3-#10 (EF-1), 4-#12 (EF-2, L-1); 1" C to **1 set 4-600KCMIL, 1-#2 Gr; 4" C; 1-4"C spare, as shown on the wiring diagram on E-5.** (note, this is part of Bid Alternate #1).
2. ES-2. **Change** new conductors from Well #2 to the new transformer at Well #1 from 2 – 2/0, 1 #2 Gr; 3" C, 1-3" spare to **2 – 3/0, 1-#2 Gr; 3" C, 1-3" spare, as shown on E-5.**

ADDITIONAL INFORMATION

PREBID MEETING NOTES - ATTACHED

QUESTIONS

1. Drawing E-1, Bid Alternate call for (2) sets of 3-500 KCMIL conductors from the pad mount transformer to the new 400a breaker, is (2)sets correct or should it be (1)?
1A: There should be one set as indicated on the one-line diagram on Drawing E-5.
2. Is there adequate space in the existing GE Spectra Electrical Panel at Well#2 to install a new 110a 2 pole breaker?
2A: This is unknown. The covers have not been removed from the panels. Contractor must field verify.
3. Can the fiber optic cable be installed in PVC conduit below grade from Well#5 to the FWPS, spec says no PVC on data, signal or phone cables?
3A: No. The Owner has requested rigid galvanized conduit for control signals.
4. Is there adequate space in the existing Electrical panel in the FWPS to accept a new 300a 3 pole breaker?

4A: *It appears the new breaker should fit in the breaker space that now feeds existing Well #4 building, and which will be removed from the feed now present and re-powered on the new circuit. Contractor to confirm.*

- 5. Are there AIS requirements for the project?
5A: *No, there are no AIS requirements for the project.*

UNDERWOOD ENGINEERS, INC.



Lynnette Carney, P.E.
Senior Project Engineer



Dated July 15, 2021

ACKNOWLEDGEMENT

In order to acknowledge this addendum, please fill out the below noted information and FAX this page upon receipt to (603) 230-9899 or EMAIL to concord@underwoodengineers.com.

Receipt of this Addendum No. 1 (5 pages) is acknowledged:

_____ Signature	_____ Date
_____ Name (printed)	_____ Company

PRE-BID MEETING NOTES

MADBURY WELLS #2, #3, #4 & #5 UPGRADE

City of Portsmouth, NH

July 1, 2021 @ 10:00 a.m.

1. Introductions:

- a. Al Pratt, City of Portsmouth, Water Resource Manager
- b. Brian Goetz, City of Portsmouth, Deputy Director Public Works
- c. Lynnette Carney, UE, Senior Project Engineer
- d. Liz Philpott, UE, Project Engineer

2. Summary of Project:

- a. Well #1, #2 & #3 buildings – HVAC upgrades, some associated electrical, and some structural repairs. New electrical feed from Well #2 to Well #1.
- b. Well #2 – Add Alternate for generator, buried propane tanks & appurtenances.
- c. Well #4 – Remove pump and close well.
- d. Well #4R – New pitless, pump, motor and associated water mains/conduits
- e. Well #5 – New access road with culvert/wetland crossing, new pitless, remove & reinstall existing pump, new water main and electrical service to well.
- f. Well #4R/5 building – Precast concrete building for metering, control and blended phosphate feed.

3. Bid:

- a. Finance/Purchasing Office, City Hall, 1 Junkins Ave.
- b. 2:00 p.m., July 22, 2021.

4. Contract time:

- a. Substantial Completion: 300 Days
- b. Final Completion: 330 Days

5. Coordination with Existing Operations:

- a. Well #1 building – electrical feed replacement. Well #1 and #2 buildings to remain in service. Minimize shutdown to switch over to new service.
- b. Well #4/4R – Complete Well #4R work and put on-line prior to removing Well #4 from service.
- c. Tie in to existing PCCP transmission main. Tapping of the PCCP shall be done by an approved PCCP service contractor.

- d. Replacement of valve for hydrant near Well #4 – will require temporary shutdown of PCCP transmission main & whole facility. Valve on the transmission main will be closed at Well #1. Water in the main will need to be drained back. Cannot be done in high demand period. Coordinate with the Owner.
 - e. Owner provided PLC & control panel for Well #4R/5 bldg. Contractor to install panel and land all wires within the panel. Owner will provide programming and assist Contractor with startup.
 - f. Maintain existing services to Freshet Road residence and service from Well #2 bldg.
6. Other:
- a. Test pit to identify location and depth of existing PCCP raw water main near new culvert/headwall, prior to beginning construction. Design alterations may be required.
 - b. Note – civil work between Well#1 & #2 is shown on ES-1. Culvert elevations and potential conflicts to be field verified.
 - c. Dewatering of excavations
 - d. Groundwater protection plan
 - e. Well #5 pump and drop pipe is in the well – to be removed and re-installed.
 - f. Freshet Road condition documentation
7. Appendices & Additional Information:
- a. Wetland Permit
 - b. Geotechnical report
 - c. IBC Special Inspections
 - d. Well #5 pump shop drawing info
 - e. Well logs & info
8. Funding:
- a. Local
 - b. Requirements:
 - i. NHDES Inspection
 - ii. Bonds and Insurances
 - iii. Building permit from Madbury - inspections
9. Other:
- a. Working relationship with Madbury is good; Contractor needs to maintain this. The City will want to hold a meeting with Madbury to keep them abreast of the project.
 - b. Provide any questions in writing to Underwood Engineers

Bid #37-21 - Madbury Wells Upgrade

PRE BID MEETING

July 1, 2021 @ 10:00 a.m.

Company Name Yates Electric	Mailing Address 88A Dover Rd Durham, NH	Office Phone 603-868-8295
Your Name MIKE KRENZER	Email MIKE@yates-electric.com	Cell Phone 603-534-3232
Company Name HAUSCO	Mailing Address 54 S MYER AVE.	Office Phone 603-362-1941
Your Name CHARLIE LANZA	Email ESTIMATING@HAUSCONH.COM	Cell Phone 603-560-3320
Company Name NORTHEAST BIRTH MECHANICS, INC.	Mailing Address 159 BARNSTEAD RD. PITTSFIELD, NH 03263	Office Phone 603-435-7989
Your Name JASON BARNSTEAD	Email JASON@NBIRTH.COM	Cell Phone 603-833-1985
Company Name Scherbon Consolidated Inc.	Mailing Address 40 Haverhill Rd Amesbury MA 01913	Office Phone 978 388 3132
Your Name Robert Vallance	Email rvalance@scharbon.com	Cell Phone 978 518 7948
Company Name Scherbon Consol: dited Inc	Mailing Address 40 Haverhill Road Amesbury MA 01913	Office Phone 978-788-3132
Your Name Scott W. Scherbon Sr.	Email scotse@scharbon.com	Cell Phone 978-518-7949
Company Name Scherbon Consolidated Inc	Mailing Address	Office Phone 978-288-3132
Your Name Joe Wills	Email Joe.Wills@scharbon.com	Cell Phone 978-992-7134
Company Name BARRETT ELECTRIC	Mailing Address PO BOX 7338 CONCORD NH 03302	Office Phone 603 723 5004
Your Name CHRIS BARRETT	Email CHRIS.BARRETT@BARRETELECTRICNH.COM	Cell Phone 603 765 3566