Addendum No. 1
to the Bidding Documents for

BID PROPOSAL #09-15

Hobbs Hill Water Tank Replacement
City of Portsmouth Department of Public Works
Portsmouth, New Hampshire

Issued September 8, 2014

Under the provisions of Section 1 of the General Conditions, Bidders are informed that the Bidding Documents for the above mentioned Project are modified, corrected, and/or supplemented as follows. Addendum No. 1 becomes part of the Bidding Documents and Contract Documents.

Acknowledge receipt of this addendum by inserting its number on Page A-3.5 Bid form. Failure to acknowledge receipt of the Addendum may subject the Bidder to disqualification.

Project Manual Changes

Item 1-1 Section A-1.1 – Advertisement for Bids

To be consistent with the Information For Bidders (Section A-2.2 of the Project Manual), **Delete** line item 3 in its entirety and **replace** it with the following:

"Each General Bid shall be accompanied by a Bid Security in the amount of 5% of the Total Bid Price."

Item 1-2 Section A-3.8 – Bid Schedule

Delete the Bid Schedule in its entirety and **replace** it with the attached revised Bid Schedule.

Note - Other changes associated with various specification sections are included in the responses shown in BOLD in the below Bidding Period Questions and Responses.

Drawing Changes – The following drawing changes are revisions to the existing stamped drawings and the authority of those stamps still apply.

Item 1-3 Drawing Sheet 6 – 0.6 MG TANK ELEVATION AND SECTION

Replace sheet 6 in its entirety and **replace** with the attached revised Sheet 6.

Item 1-4 Drawing Sheet 7 – 0.6 MG TANK ELEVATION AND SECTION

Replace sheet 7 in its entirety and **replace** with the attached revised Sheet 7.

Item 1-5 Drawing Sheet 10 –TANK ELECTRICAL ELEVATION AND PLAN

Replace sheet 10 in its entirety and **replace** with the attached revised Sheet 10.

Bidding Period Questions & Responses

The following responses/clarifications are based on questions raised during bidding period and during the pre-bid meeting conducted on September 3, 2014 and submitted prior to the 1 PM Friday, September 5, 2014 cut off agreed upon at the Pre-Bid Meeting. The Pre-Bid Meeting Minutes and copy of list of attendees at the meeting are attached.

1. Does the City own the land (Sheet 2, Existing Conditions Note 4)?

   The Pease Development Authority (PDA) owns the land and leases it to the City of Portsmouth. This portion of the Pease International Tradeport is within the City of Portsmouth, so the tax map references the City accordingly.

2. How far below grade are foundations, vault, etc. removed at existing tank (Sheet 2, Existing Conditions Note 14)?

   The existing water tank and appurtenances will be demolished as part of a separate tank demolition project.

3. Who is responsible for the relocation of the antennas (Sheet 2, Existing Conditions Note 16)?

   The antenna owner's will be responsible for relocation from the existing water tank to the new water tank. However, general coordination will be required between the tank contractor and the contractor relocating the antennae in order to avoid scheduling conflicts and coordinate the installation of any brackets needed to be installed prior to painting.

4. Is capping of water service and removal of electric service by others in a separate tank demolition project (Sheet 2, Existing Conditions Notes 18 & 19)?

   Yes, the capping of the existing water service and removal of the existing electric service will be completed as part of a separate tank demolition project.

5. Can we use our standard head range of 33' (Sheet 6, Elevation and Section 13210 1.7 B)?

   The following alternative Operating Parameters as described Section 13210 1.7 B will be acceptable:

Operating range (min. - max.)	**25-34 feet**
Bottom of Tank Bowl Elevation	**196 feet minimum**

6. Can the overflow pipe be on the exterior of the access tube (Sheet 6, Elevation)?

   The overflow pipe is currently shown as a welded penetration through the side of the 60-inch diameter access tube. The advantage is it eliminates one flanged penetration through the concrete tank bottom, which T&B believes is a greater long term maintenance issue as compare to the fabricated penetration through the access tube. An alternative configuration consisting of an overflow pipe internal to the steel tank (exterior of the access tube) and penetrating through the concrete tank

bottom would be acceptable, conditional upon approved shop drawings, if it is demonstrated that it addresses the long term maintenance concerns.

7. Can we use our galvanized rest platforms in lieu of aluminum rest seats (Sheet 6, Elevation and Section 13210 2.5 D.1)?

   Yes - galvanized rest platforms can be used in lieu of aluminum rest seats.

8. Are there details for mounting brackets necessary for the antennas (Sheet 10, Tank Antenna Layout Plan)?

   The mounting brackets for railing mounted antennae will be provided by the contractor relocating the antenna. The locations of the railing mounted antenna were provided to ensure that the railing/tank design takes into account the loads associated with them. The mounting brackets for the tank mounted antennae will be furnished and installed by the contractor relocating the antennae. The timing of installation and final location for antenna support bracket fabrication will need to be coordinated with the antenna contractor prior to painting. The locations of the tank mounted antenna were provided to ensure that the structural design takes into account the loads associated with them.

9. Can the site superintendent change with different construction phases (General Conditions Item 16 and Section 01310 1.3)?

   With the understanding that the Contractor is not relieved of any project responsibilities, it is acceptable for the Contractor to change Site Superintendents on the condition that the Contractor provide the Engineer and Owner with written certification that the "Authorized Site Superintendent by the name of _*(insert name of authorized individual)*_ is hereby appointed to the Hobbs Hill Water Tank Replacement Project and has Legal Authorization to Act on Behalf of the Contractor in Any Respect of the Project" at least 30 days prior to a change for review and approval, and that the Contractor maintains continuity and quality of work without compromise, and the Contractor maintain the same Project Manager (who shall be employed directly by the Contractor) for the duration of the project. The Contractor shall provide a complete set of contact information for the Project Manager, the Project Manager's Supervisor, and the Authorized Site Superintendent(s) including email addresses, cell phone, office phone and home phone numbers of each person. An Authorized Site Superintendent must be on site at all times when construction activities are occurring.

10. Can the site superintendent be provided by the subcontractor during subcontractor's work (General Conditions Item 16 and Section 01310 1.3)?

    An Authorized Site Superintendent as described in the response to question #9 above could be provided by a subcontractor in accordance with the written certification and Authorization to Act on Behalf of the Contractor.

11. What is the cost of each permit listed (General Conditions Item 60)?

It is the responsibility of the contractor to understand permit requirements during construction. The cost of permits required by the City of Portsmouth will be waived.

12. Can we work on weekends during construction of the new elevated tank (Special Conditions SC-58)?

Work on weekends is only allowed when approved in writing by Owner/Engineer.

13. Does the Independent Testing Service Allowance include costs of concrete testing associated with the tank concrete support pedestal (Section 01290 1.4)?

The independent testing service allowance includes the cost of concrete testing associated with the concrete support pedestal.

14. There will be interrupted operation when completing this work for weather shut-down periods and availability of crews for different construction phases. Can the first sentence be removed from Section 01310 1.3B?

It is anticipated that project may be temporarily interrupted by a winter shutdown, and this might occur between project phases such as between below ground foundation work and above ground work. The language in Section 01310 1.3B is intended to ensure that work performed on various phases be continuous and without major interruption.

15. Can the weekly progress meetings be conducted with our Project Manager via teleconference when we are not present on the site (Section 01310 1.5 B.1)?

The Project Manager could participate in weekly project meeting via teleconference as long as the active Authorized Site Superintendent is present at the meeting.

16. Can the SSO change with different construction phases (Section 01350 1.5C)?

An Authorized Site Superintendent could be provided by a subcontractor in accordance with the written certification to Act on Behalf of the Contractor as described in the response to question #9 above.

17. Are the independent testing services to be paid out of the Independent Testing Service Allowance (Section 01451)?

The independent testing services are to be paid out of the independent testing service allowance, however 3rd party testing and oversight associated with the tank painting is part of a separate contract with the Engineer and does not apply to this allowance.

18. Do we follow AWWA D107-10 and industry standards for the composite tank concrete support wall relating to mixes, curing, form removal, placement, slump, etc. in lieu of Sections 03100, 03200, and 03300?

Applying the AWWA D107-10 Standard for Composite Elevated Tanks for Water Storage relative to the concrete support structure is acceptable.

19. Are concrete surfaces of the elevated tank to be coated (Section 09900 3.2 E)?

The concrete surfaces of the tank are not to be coated.

20. Is dehumidification required during interior field painting (Section 09901 1.4 D)?

Dehumidification shall be in accordance with Section 09901 3.6 Dehumidification and Temperature Control.

21. Is containment required at this site during field painting (Section 09901 1.4 F)?

Specifications for temporary containment are describe in Section 09901 3.5 and a shop drawing related to containment system design calculation is required in 09901 1.4 F.

22. Is a dust collection system required during field painting (Section 09901 3.4)?

Dust collection shall be done in accordance with Section 09901 3.4 Ventilation.

23. Can the site supervisor be provided by the foundation subcontractor during construction of the tank foundation (Section 13210 1.5 D)?

An Authorized Site Superintendent as described in the response to question #9 above could be provided by a subcontractor in accordance with the written certification and Authorization to Act on Behalf of the Contractor.

24. Can we use our standard shaft diameter of 32' (Section 13210 1.7 C)?

Replace Section 13210 1.7 C with the following:

Support wall exterior diameters shall be 30 ±2 feet

25. Can you change the criteria to include AWWA D107 for the Foundations and Support Structure in lieu of ACI 371R-98 and MSBC (Section 13210 1.7 E)?

Applying the AWWA D107-10 Standard for Composite Elevated Tanks for Water Storage relative to the foundation and support structure as referenced in Section 13210 1.7 E is acceptable.

26. Can we use galvanized uni strut attached to the tank support column in lieu of "Z" brackets (Section 13210 2.5 O)?

Uni-strut cannot be used in lieu of "z" brackets.

27. Is the welding inspection paid out of the Independent Testing Service Allowance (Section 13210 3.3)?

The welding inspections will be paid out of the independent testing service allowance (Bid Item 1).

28. Is the project subject to prevailing wages?

This project does not have a prevailing wage requirement.

29. Can you please send us the geotechnical report including recommendations?

    The Geotechnical Recommendations were provided to the current 4 prospective bidders on 8/29/2014.

30. Load combinations per page 13210-8 are significantly more conservative than those by the governing specification for elevated water storage tanks, AWWA D107. Please consider changing the load combinations to those shown in AWWA D107-10, Sections 4.3.4.1 & 4.3.4.2 (p51).

    Applying the AWWA D107-10 Standard for Composite Elevated Tanks for Water Storage relative to the combination of loads as referenced in Section 13210 1.7 E.4 is acceptable.

31. Page 13210-14 specifies a 10'x10' overhead door as does drawing sheet 6. Drawing sheet 10 specifies a 12'x12' overhead door. Please clarify door size.

    The overhead door size shall be 10 feet by 10 feet.

32. Drawing sheet 6 shows overflow piping going through access tube. Our typical overflow pipe does not go through the access tube. Please clarify that this is acceptable.

    Refer to response to question #6 above.

33. We anticipate that the field painting will occur in the Spring of 2016. Can you consider extending the completion date to late Spring of 2016 or allowing a Winter shut-down period?

    The dates for substantial and final completion will not be extended.

34. Spec sections 01320 & 01321 require stringent pictures and videotaping. If this is still required, will you please share with us a local contact that can meet these requirements so we can reach out to them for a quote?

    The construction photographs described in Section 01320 may be performed by a qualified employee of the contractor using a digital camera with a minimum of 4.0 megapixals and provided on a CD or equivalent to the Engineer and Owner at least at the regular intervals described in Section 01320 and at the time of substantial and final completion. The preconstruction video documentation described in Section 01321 is required. There are number of videographic service vender in the region that may be reached through the internet.

35. Could a 'US STEEL ONLY' clause be considered?

    This project is not subject to 'Buy American' clauses or requirements.

36. Hours: M-F 7-6. Typical tank crews work back-to-back shifts in order to create enough time for travelling back and forth to their homes. So Caldwell works 8 on (Wednesday to Wednesday) and 6 off (Thursday to Tuesday). I've heard all three other tank companies talk about their similar schedules at prebid meetings.

Hours of work outside those specified in the Contract may be considered upon written request.

37. Taxes are to be included on all material NOT purchased in NH or drop shipped to NH.

Materials purchased and shipped to New Hampshire are not subject to sales tax as New Hampshire does not have a sales tax.

38. 1 year warranty is standard and referenced in prebid agenda, but the specs call out for a 24month paint warranty and a 2year tank warranty. One portion discusses a 1 yr performance bond followed by either a letter of an additional 1 yr warranty or a 1 yr renewal of the performance bond.

The one-year project warranty period that begins on the date of Substantial Completion applies to the period in which retainage is held at a rate of 2%. The two-year Guarantee associated with final painting is described in Section 09901 3.10, and the two-year Guarantee associated with the Composite Elevated Storage Tank is described in Section 13210 1.9. Performance Bond expires two years from the date which final payment under the contract falls due and is describe on page B-4.1 of the Contract.

39. What does Stainless Steel anchor bolts does Section 13210 2.6 B refer to?

This section refers to any anchor bolt that is submerged, comes in contact with concrete, or as shown in Detail 1/7 on sheet 9 of the Bid Plans, and is not a welded stud that is intended to be painted.

40 Where are the 3-3/4" couplings on the inlet/outlet pipe as referenced in Section 13210 2.5P to be installed?

These couplings or pipe taps are intended for level sensors and the approximate location is depicted in Section A on sheet 7 of the Bid Plans. The final location will be determined through the shop drawing review/approval.

41. Paint inspection is by a third party hired by owner/engineer and might be Utility Service (which is a competitor to Caldwell on our maintenance and repaint divisions)

Paint inspection will be performed by a third party that will be hired by the Engineer.

42. Both Tnemec and S-W are approved tank paint manufacturers and is believed to have offices within 150 miles.

Tnemec and Sherwin Williams are approved tank paint manufacturers.

43. In lieu of a licensed Surveyor, can layout be accomplished under the supervision of a Registered Engineer?

A Registered Engineer could perform the layout, establish elevations, etc. in accordance with Section 01720 Field Engineering.

44. The Masonry wall inside the pedestal of the tank shown on sheet 6 has no height associated with it. Please provide.

Ceiling height shall be not less than 7'-6".

45. What is the ceiling construction for the chamber room?

Moisture resistant and fire rated 5/8" Drywall (taped, spackled, primed, painted ceiling white), 2" by 8" SPF ceiling joist, insulated to meet local and state energy codes, and 5/8" exterior grade plywood sub-flooring above.

46. Section 13210 2.4.C.3 states we are to size the overflow for a flow of 1,250 gpm; however, Section 13210 1.7.B lists a 4,500 inlet rate. Please clarify.

Change Section 13210 2.4.C.3 to have an overflow rate of 4,500 gpm.

47. Can the foundation and floor elevation be flush with the ground surface?

The Floor elevation and top of foundation is to be above finished grade to limit the opportunity for ponding around the tank to enter the support structure. The Plans show the floor and top of the ringwall foundation to be 6" above finished grade, and the intention is for the finish grading to slope away from the tank. Any proposed alternatives will need to be addressed as part of the shop drawing review/approval process.

48. Section 13210 Item 1.4A says "Contractor Qualifications as required under Section 00200". There is no section 00200 in the spec – please clarify.

Delete the words "Contractor Qualifications as required under Section 00200" from Section 13210 Item 1.4A and replace with "Bidder Qualifications as required under Section A-2.3-4)".

49. What is the voltage and phase of the electric operator needed for the overhead door?

The overhead door is to be manually operated. No electrical operator is required.

50. In the specification there is no mention of any safety edge or photocells for the overhead door – As of Sept. 2010 – per UL 325 for commercial doors – any door to have momentary contact (as opposed to having to hold the push button in) needs to have a self-monitored safety system – either a self-monitored electric safety edge or self-monitored photocells. Which one will be required for this application?

UL 325 only applies for electrically operated doors (article 1.1).

51. Section 01320. Can construction photographs be taken by the Contractors superintendent?

Please refer to the response to question #34 above

52. Section 09900. Please confirm the galvanized ladders and landings within the support structure are not painted.

    The galvanization of the ladder and landing shall be such that they not require painting and shall be determined as part of the shop drawing review / approval process is should not need to be painted.

53. Section 01350 – Please confirm a Site Safety Official (SSO) is not required for this project.

    The contractor will be responsible for satisfying Section 01350.

54. Sheet 6 shows the incoming waterline passing over the foundation. Our design will incorporate the incoming waterline into the foundation. Please confirm this is acceptable and we are not required to place the foundation deeper than required by our design to allow the waterline to pass over the foundation.

    The proposed foundation the design will need to accommodate the incoming waterline configuration and these details are to be addressed as part of the shop drawing review / approval process.

END OF ADDENDUM NO. 1

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BID SCHEDULE

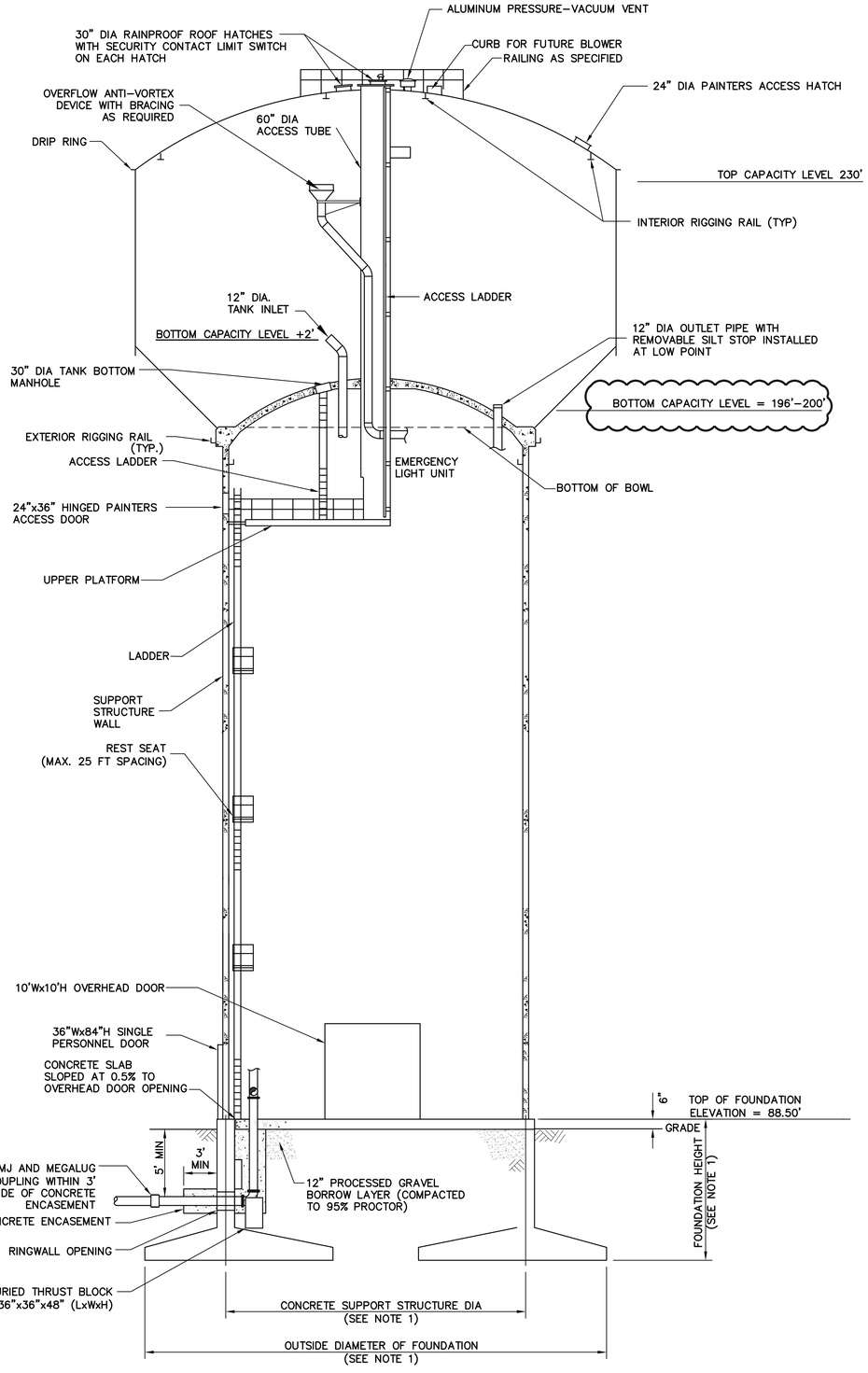
Bidder proposes to furnish all labor and materials required for construction of the **Hobbs Hill Water Tank Replacement** in accordance with the accompanying Bidding Documents for the Contract Price specified below, subject to additions and deductions according to the terms of the Bidding Documents.

This Bid includes Addenda numbered _____.

The Total Proposed Contract Price including **Item 1** (Allowance for Independent Testing Services) is _____ dollars
(words)

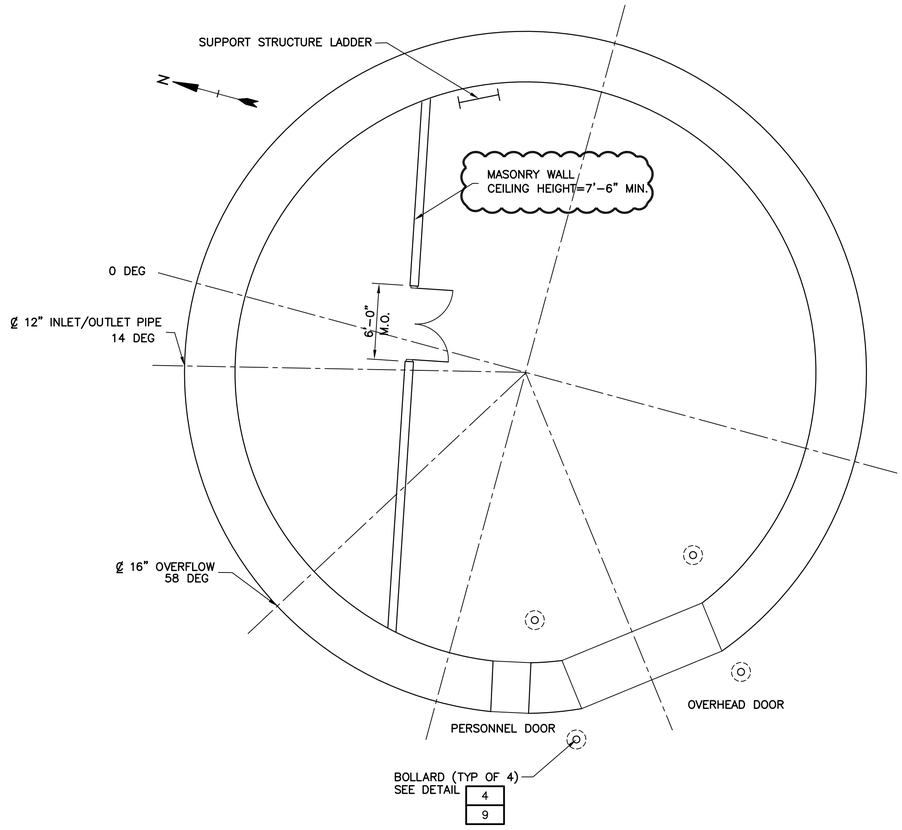
($ _____)
(figures)

Item Number	Item Name and Unit Bid Prices Written in Words and Figures	Estimated Quantity	Total Amount of Item (in figures)
1	Independent testing services, the price of: Forty five thousand & 00/100 ($ 45,000.00)	Allowance =	$45,000.00



NOTE:
FEATURES ARE ROTATED INTO VIEW FOR CLARITY

0.6 MG TANK ELEVATION
NO SCALE



ORIENTATION PLAN
NO SCALE

GENERAL NOTES

1. SUPPORT STRUCTURE DIAMETERS AND FOUNDATION SHALL BE DETERMINED BY TANK CONTRACTOR BASED UPON THE SOIL BEARING SPECIFIED AND THE RECOMMENDATIONS IN THE GEOTECHNICAL REPORT.
2. ELEVATION VIEW SHOWS FEATURES ROTATED FOR CLARITY.
3. PERFORM FIELD SURVEY TO VERIFY NEW 0.6 MG TANK OVERFLOW ELEVATION MATCHES EXISTING 0.4 MG WATER STORAGE TANK OVERFLOW ELEVATION WITHIN ±0.1 FT.
4. REFER TO ELECTRICAL DRAWINGS FOR THE LOCATIONS OF ELECTRICAL DEVICES.

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City of Portsmouth

Hobbs Hill Water Tank Replacement

Portsmouth,
New Hampshire

May 23, 2014

Mark	Date	Description
5.	9/8/14	Issued with Addendum #1
4.	8/12/14	Issued for Bid
3.	7/1/14	100% Design Submission
2.	6/16/14	Site Plan Review Submission
1.	5/23/14	75% Design Submission

PROJECT NO:	P-0714
FILE:	P0714_TANK.dwg
DRAWN BY:	JCT/GWH
CHECKED:	MPM/PMC
APPROVED BY:	PMV

0.6 MG TANK ELEVATION AND SECTION

SCALE: AS SHOWN

SHEET 6

5/23/14

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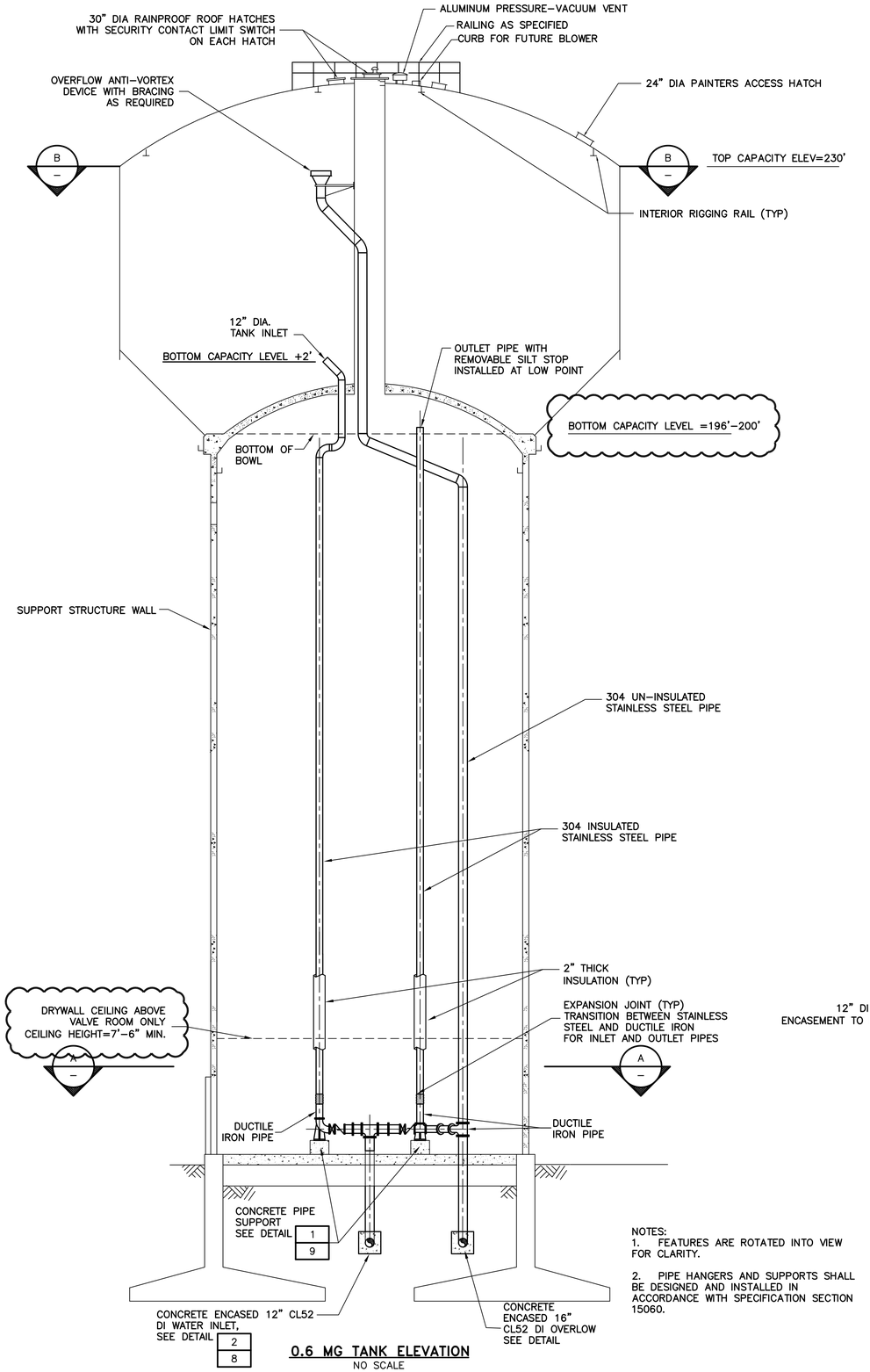
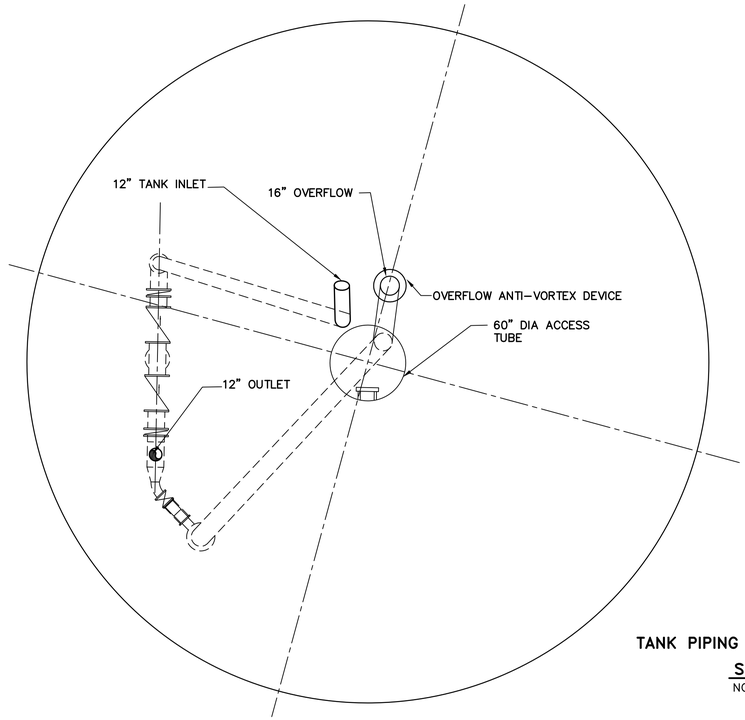
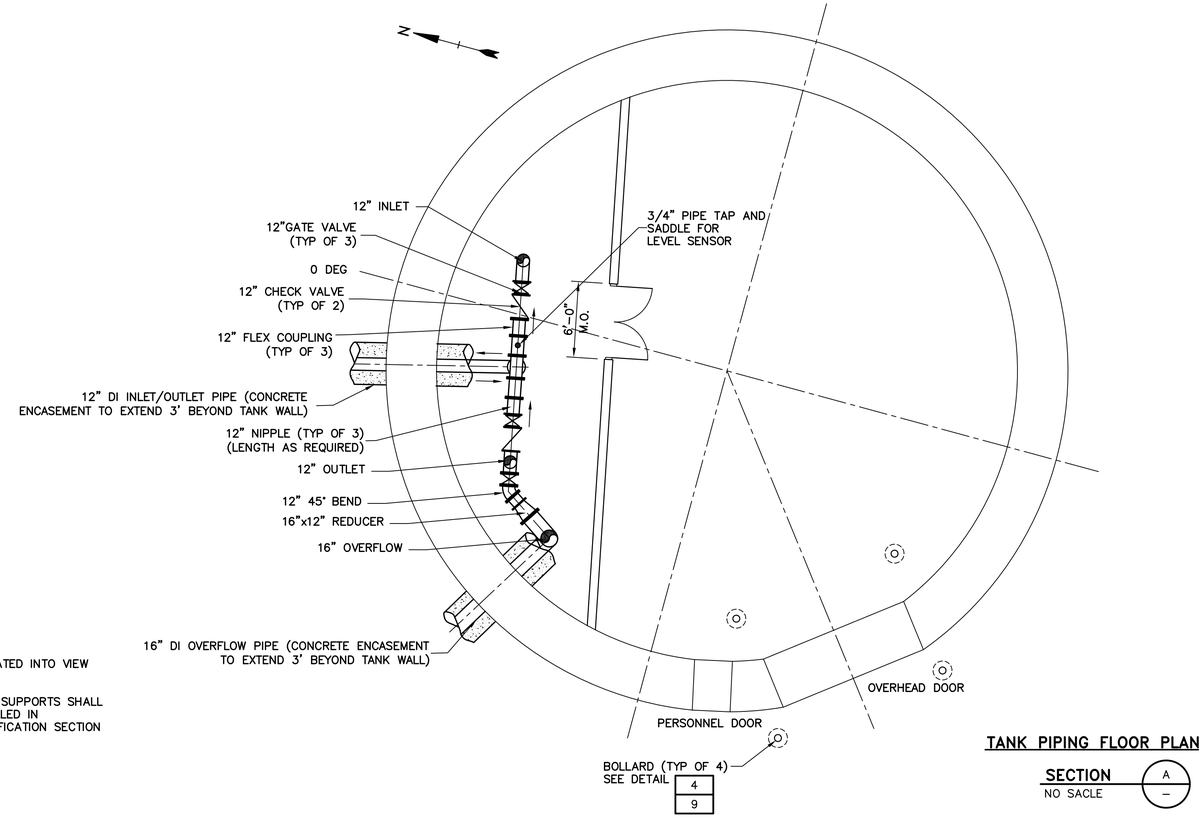


0.6 MG TANK ELEVATION
NO SCALE

NOTES:
1. FEATURES ARE ROTATED INTO VIEW FOR CLARITY.
2. PIPE HANGERS AND SUPPORTS SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH SPECIFICATION SECTION 15060.



TANK PIPING PLAN - UPPER SECTION
SECTION B - NO SCALE



TANK PIPING FLOOR PLAN
SECTION A - NO SACLE

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City of Portsmouth

Hobbs Hill Water Tank Replacement

Portsmouth, New Hampshire

May 23, 2014

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PROJECT NO:	P-0714
FILE:	P0714_TANK.dwg
DRAWN BY:	JCT/GWH
CHECKED:	MPM/PMC
APPROVED BY:	PMV

0.6 MG TANK PIPING PLAN AND SECTIONS

SCALE: AS SHOWN

SHEET 7

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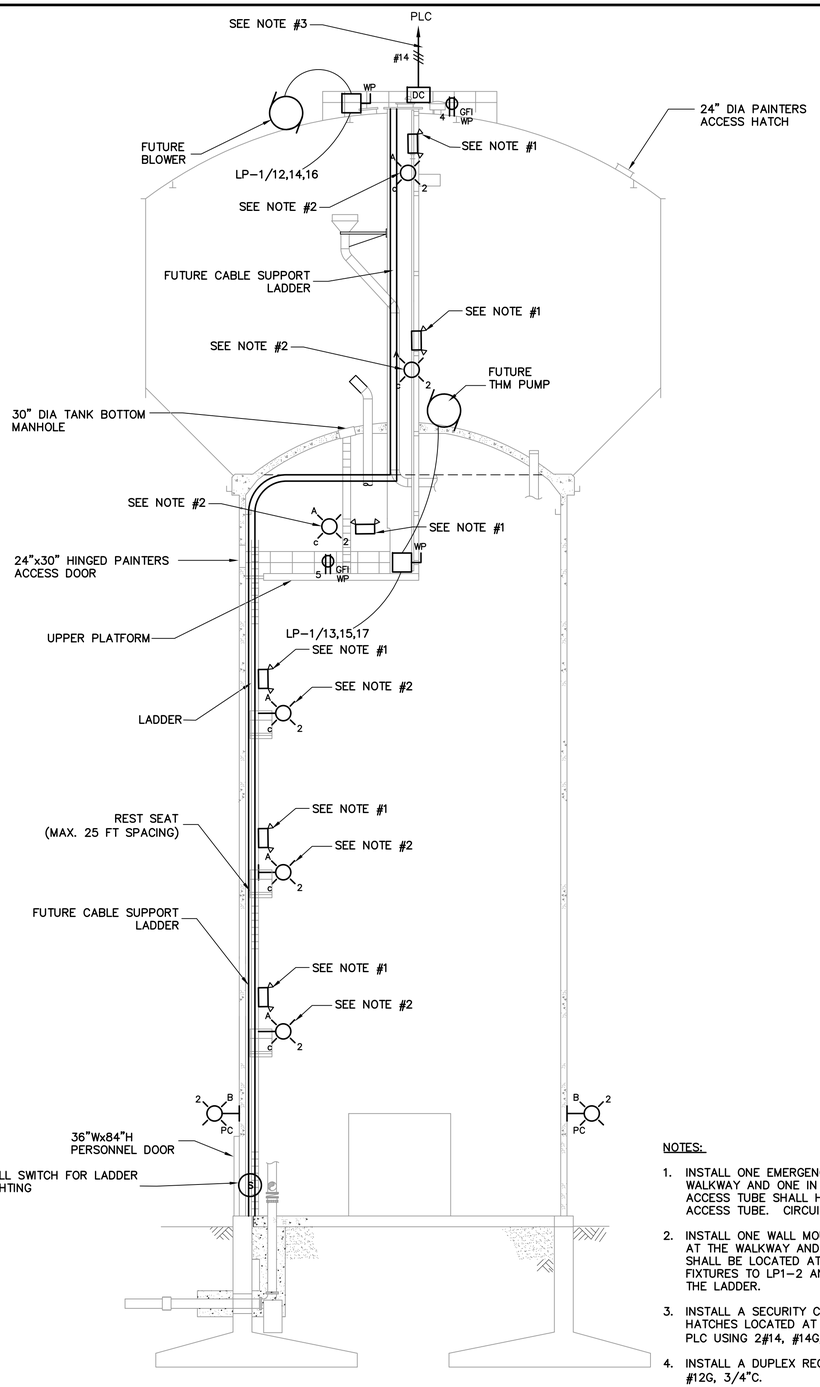
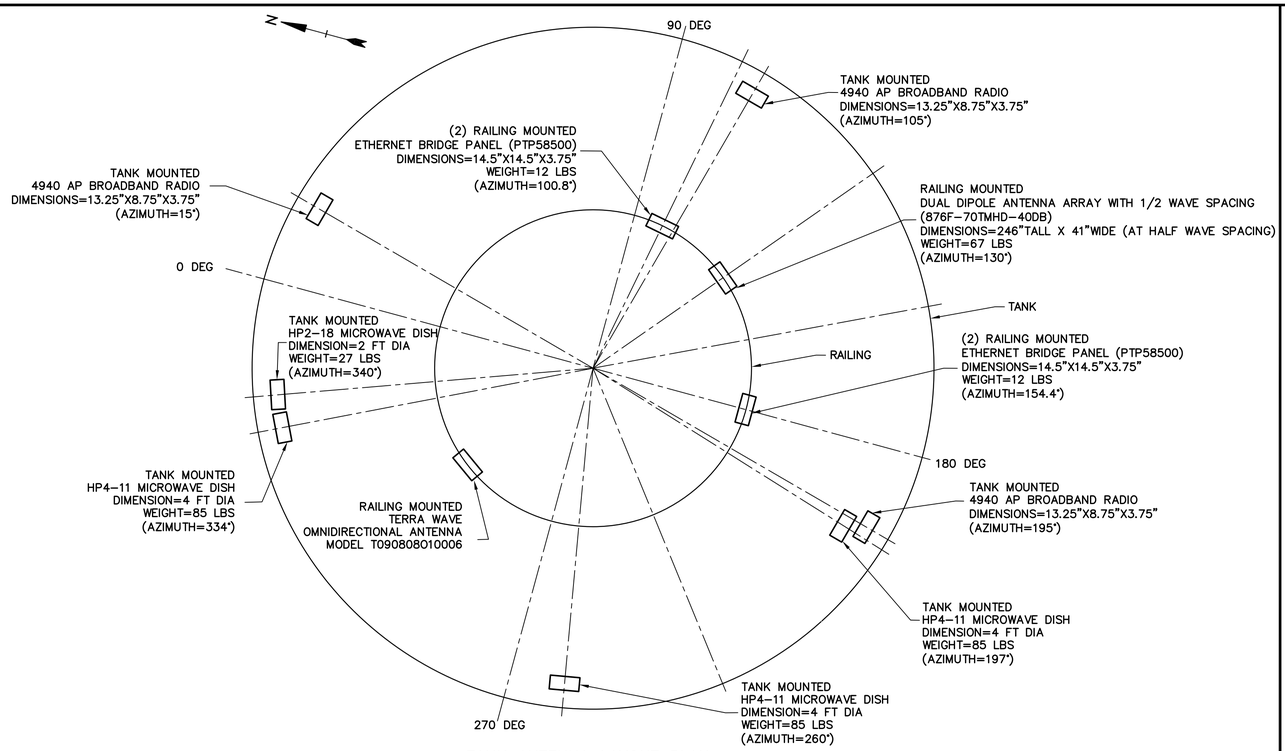
5/23/14



NOTE:
FEATURES ARE ROTATED INTO VIEW FOR CLARITY

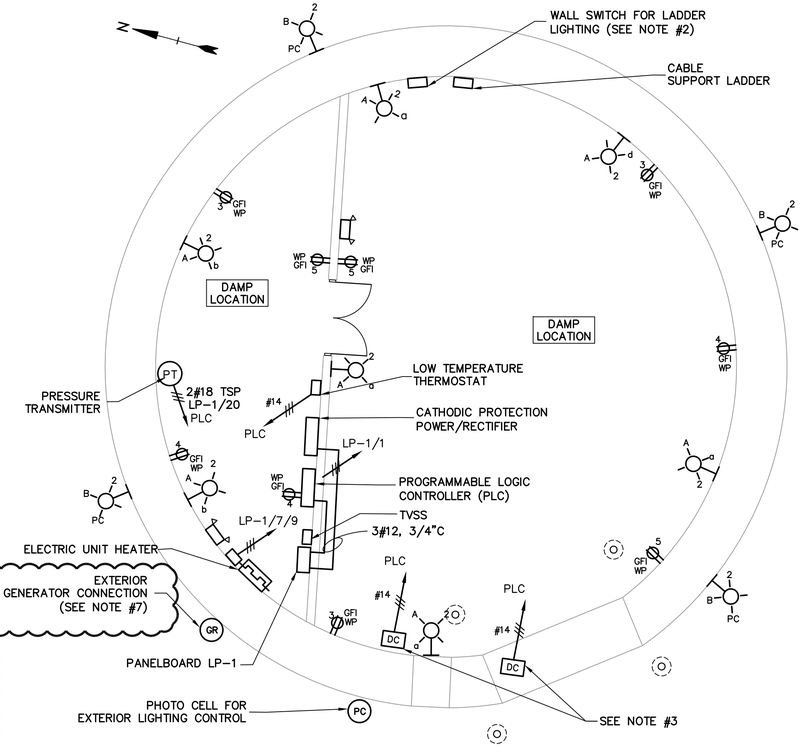
0.6 MG TANK ELECTRICAL ELEVATION
NO SCALE



TANK ANTENNA LAYOUT PLAN
NO SCALE

NOTES:

1. INSTALL ONE EMERGENCY LIGHT UNIT AT EACH LANDING PLATFORM, ONE AT THE WALKWAY AND ONE IN THE ACCESS TUBE. THE EMERGENCY LIGHT UNIT IN THE ACCESS TUBE SHALL HAVE A LIGHTING HEAD AT THE TOP AND BOTTOM OF THE ACCESS TUBE. CIRCUIT EMERGENCY LIGHTS TO LP1-2.
2. INSTALL ONE WALL MOUNTED LIGHTING FIXTURE AT EACH LANDING PLATFORM, ONE AT THE WALKWAY AND TWO IN THE ACCESS TUBE. THE TWO IN THE ACCESS TUBE SHALL BE LOCATED AT TOP AND BOTTOM OF THE TUBE. CIRCUIT LIGHTING FIXTURES TO LP1-2 AND WIRE THESE FIXTURES TO SWITCH c AT THE BOTTOM OF THE LADDER.
3. INSTALL A SECURITY CONTACT LIMIT SWITCH ON THE ACCESS TUBE AND TANK HATCHES LOCATED AT THE TOP OF THE STORAGE TANK. WIRE LIMIT SWITCHES TO PLC USING 2#14, #14G, 3/4"C, EACH.
4. INSTALL A DUPLEX RECEPTACLE AT THE WALKWAY, WIRE TO LP1-4 USING 2#12, #12G, 3/4"C.
5. SCADA PROGRAMMING MODIFICATIONS TO BE PROVIDED BY THE OWNER.
6. DESIGN, FURNISH, AND INSTALL SUPPORT BRACKETS FOR CABLE SUPPORT LADDER THAT WILL BE INSTALLED AT A FUTURE DATE. SUPPORT BRACKETS SHALL EXTEND FROM THE SUPPORT STRUCTURE FLOOR THROUGH THE ACCESS TUBE. BRACKETS SHALL BE DESIGNED TO SUPPORT THE FOLLOWING LOADS:
   - (20) CATEGORY 5 CABLE
7. THE CONTRACTOR SHALL PROVIDE A CONNECTION FOR A 45 KVA ROLL-UP PORTABLE GENERATOR TO PROVIDE POWER TO PANELBOARD 'LP-1'. PROVIDE A 125 AMP MANUAL TRANSFER SWITCH AND A 125 AMP 208 VOLT THREE PHASE, WEATHERPROOF PIN-AND-SLEEVE CONNECTION FOR THE ROLL UP GENERATOR. PROVIDE APPROPRIATELY SIZED CONDUIT AND WIRE



TANK ELECTRICAL PLAN
NO SCALE

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City of Portsmouth

Hobbs Hill Water Tank Replacement

Portsmouth,
New Hampshire

May 23, 2014

Mark	Date	Description
5.	9/8/14	Issued with Addendum #1
4.	8/12/14	Issued for Bid
3.	7/1/14	100% Design Submission
2.	6/16/14	Site Plan Review Submission
1.	5/23/14	75% Design Submission

PROJECT NO:	P-0714
FILE:	P0714_TANK.dwg
DRAWN BY:	JCT/GWH
CHECKED:	MPM/PMC
APPROVED BY:	PMV

TANK ELECTRICAL ELEVATION AND PLAN

SCALE: AS SHOWN

SHEET 10

5/23/14

FILENAME: J:\P\P0714 CITY OF PORTSMOUTH - HOBBS HILL WATER TANK\DWG-CAD\DESIGN\P0714_TANK.DWG
SAVE DATE: 9/8/2014 11:03 AM
PLOT DATE: 9/8/2014 11:05 AM

HOBBS HILL WATER TANK REPLACEMENT
City of Portsmouth, New Hampshire

LOCATION: TIGHE & BOND OFFICE, 177 CORPORATE DRIVE, PORTSMOUTH, NH 03801

DATE: WEDNESDAY, SEPTEMBER 3, 2014

START TIME: 11 AM

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1. **Introductions**
   a. Owner & Engineer Introductions.
   b. Sign-in sheet.

2. **Project Description**
   a. Composite Water Storage Tank – replace existing steel water storage tank.
      i. 111.5 feet high cast-in-place concrete support structure (pedestal).
      ii. 600,000 gallon elevated steel storage tank.
      iii. Appurtenances.
         1. 16-inch diameter over flow pipe – runs internal to access tube.
         2. Ladder with rest seat every 25 feet and 60-inch diameter vertical access tube through tank bowl.
         3. 10 ft by 10 ft overhead door in base of pedestal.
         4. Fire hydrant near overflow basin to allow emptying tank into basin.
   b. Watermain – 800 linear feet of 12-inch diameter ductile iron watermain connected to existing 12-inch AC watermain on opposite side of International Drive and following alignment of access road. Test pit to confirm location of tie-in prior to watermain installation. Coordinate any activity in the International Drive ROW with PDA.
   c. Two-way communications equipment relocation – City to coordinate.
   d. Electric service – installed underground from existing transformer
   e. Site work:
      i. Surveyor licensed in NH required to layout all lines (e.g. proposed limits of clearing, location of key project components, undergound utilities, etc.) and grades.
      ii. Site clearing - (note #7 – contractor to coordinate delineation of clearing limits with DPA and DPW prior to any site disturbance, and identify/gain approval from Engineer and City prior to the removal of any tree on the site.)

iii. Access road improvements.

iv. Drainage and overflow basin.

v. Tree plantings and landscape berm – NOT PART OF THIS CONTRACT [this was added to the plans for permitting]

vi. Invasive species management (note #8 – contractor is responsible for removal of invasive species within the "Lease Area")

f. Chain link fence with gate.

g. Permits – The City will wave all permit fees (e.g. building permits, electrical, plumbing, excavation, etc.)

3. Project Coordination / Work Constraints

a. The existing water tank must remain operational throughout the construction period. Schedule and conduct activities to enable the existing facilities to operate continuously.

b. Review requirements of Section 01140, Work Restrictions.

c. Review requirements of Section 01310, Coordination, for detailed coordination requirements and sequence of construction guidelines.

d. Coordinate with other on-going work and activities at the site (e.g. cell tower owner, neighbors, etc.0

4. Preparation of Bid

a. Refer to Page A-2.1, Information For Bidders, and Bid Form (page A-3.5).

b. Submit 1 copy of complete Bid package including addendum.

c. Bid Security – 5% of the total bid.

d. Written questions must be received by 1 PM on Friday September 5, 2014.

e. Addenda will be issued at least 3 business days prior to Bid opening.

f. Successful bidder to furnish 100% Performance and Payment Bonds, and execute contract within 10 days of bid acceptance.

5. Bidder Qualifications (page A-2.3)

List specific bidder qualifications requirements such as:

a. Minimum of 10 years of composite water tank design and construction experience, and have designed, constructed and commissioned at least 10 composite elevated tanks or equal capacity.

6. Bid Opening – September 11, 2014 at 2 p.m. Sealed bid are to be submitted to the City of Portsmouth Purchasing Department prior to bid opening. Bids are valid for 60 days.

7. Contract Times

a. Substantial Completion - 420 calendar days after Notice to Proceed

b. Final Completion and 450 calendar days after Notice to Proceed

c. Liquidated Damages - $1000 per day from substantial completion date, plus $500 per day from final completion date

8. Hazardous Materials/Asbestos Abatement - None

9. Working Hours (Section 01140, Work Restrictions)

a. Conduct work during weekdays, between the hours of 7:00 a.m. and 6 p.m. No equipment or machinery may be started at the site before 7:00 a.m. and all equipment must be shut off by 6 p.m.

b. No work on official Owner holidays except under extenuating circumstances approved by the Owner.

10. Materials/Work Furnished by Owner – brackets for 2-way and wireless equipment?

11. Progress Payments (General Conditions)

a. Monthly payments – 10% retainage withheld until work is 50% complete.

b. Substantial Completion – 2% retainage withheld for 1-year warranty period.

12. Final Payment

a. Contractor submits final Application for Payment, including

- Documentation required by Contract Documents, including evidence of insurance
- Consent of surety to final payment
- List of unsettled claims against Owner & Contractor
- Release of liens

b. Waiver of Claims

13. Project Warranty Period

a. 1-year after Substantial Completion

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Hobbs Hill Water Tank Replacement

Mandatory Pre-Bid Conference
Location: Tighe & Bond - 177 Corporate Drive Portsmouth, NH
Date: September 3, 2014 at 11:00 a.m.

	Name	Company	G.C.? (yes or no)	Address	Phone & Fax	Email
1.	Bob Schultz	SUR Construction	NO	233 Chestnut Hill Road Rochester, NH 03867	P: 603 332 4554 F: 332 5189	BSchultz@surconstruction.com
2.	Dan Knight	CBI	YES	24 Reads Way New Castle DE 19720	P: 302 325 8401 F: 8425	DKnight@CBI.com
3.	Kenneth Eichenberger	Caldwell Tanks	Yes	4000 Tower RD. Louisville, KY 40219	P: 502-964-3361 Fax: 812-786-2292	Keichenberger@caldwelltanks.com
4.	Raphael Roman	Landmark Structures	Yes	1065 Harmon Rd. Ft. Worth, TX 76177	P: 817-439-8888 F:	estimating@teamlandmark.com
5.	Terry Desmarais	City of Portsmouth	NO	OPW	P: 6033281915 F:	HDesmarais@cityofportsmouth.com
6.	Mike Merrill	City of Portsmouth	NO	DPW	P: 603-957-8558 F:	MMerrill@cityofportsmouth.com
7.	Mike McManus	Tighe & Bond	NO	53 Southampton Rd. Westfield, MA 01085	P: 413-875-1317 F:	mpmcmanus@tighebond.com
8.	Greg Halsey	Tighe and Bond	No	177 Corporate Drive Portsmouth	P: 603-433-8818 F:	ghalsey@tighebond.com
9.	Brian Goetz	City of Portsmouth	—	DPW	P: 603-766-1420 F:	bfgoetz@cityofportsmouth.com

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	Name	Company	G.C.? (yes or no)	Address	Phone & Fax	Email
10.	Jonathan Dixon proxy Lori Ferriglietti	Phoenix Fabricators	Yes	Sebree, KY	P: 270-318-1217 F: 270-835-9996	jonathan.Dixon@phoenixtank.com
11.	BRIAN G. IANNUCCILLO	RP IANNUCCILLO & SONS CONST. Co	No	70 CALVERLY ST. PROV, RI 02908	P: 401-351-8877 F: 401-351-5884	brianrpiannuccillo.cc
12.	DAVID CEDARHOLM	TIGHE & BOND	NO	177 CORP. DR. PORTSMOUTH, NH	P: 603-433-8818 F:	dcedarholm@tighebond.com
13.					P: F:	
14.					P: F:	
15.					P: F:	
16.					P: F:	
17.					P: F:	
18.					P: F:	