

**BRUCE CAHOON WATER TREATMENT PLANT  
AND APPURTENANT WORK  
HARWICH, MASS**

**PROJECT PROGRESS MEETING #8  
FEBRUARY 11, 2011**

**MEETING MINUTES**

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**I. ATTENDEES**

Craig Wiegand, Town of Harwich Water Department  
Paul Costello, Polaris Consultants  
Ted Galeota, Weston & Sampson (W&S) CMR  
John Hanifin, W&S CMR  
Butch Neylon, ITS

**II. OUTSTANDING CONTRACT AWARD DOCUMENTATION**

No outstanding contract award documents. The Bruce Cahoon Water Treatment Plant Agreement was authorized on September 28, 2010 and the Notice to Proceed was issued on October 14, 2010. The scheduled completion date is October 14, 2011.

**III. SUBMITTAL REVIEW**

The submittal review to date is summarized on the Submittal Log dated February 11, 2011 and provided in Attachment One. Since the last meeting, Polaris has received the Revised Painting submittal (#10.1), the Unit Masonry (#33), the Pre-Cast Planks (#34) and Metal Building Calculations (#35). The painting submittal has been forwarded to DiMarinisi & Wolfe and the structural submittals have been forwarded to Lin Associates. The Revised Chemical Feed Tank submittal (#26) and several HVAC submittals (#32.0 through 32.4) have also been returned to W&S.

Critical path items remain the remaining Metal Buildings System submittals as required under Section 13120 and the responses to the requests for specified items (i.e. SCADA Layout Plan) as part of Submittal #27. It was agreed that the building submittal must address all previous clarifications and the requirements of the previous Site meetings, plans and specifications. The SCADA submittal and outstanding requests for information (RFI#15 received on February 6<sup>th</sup>) were discussed at length. ITS developed an overlay of Sheet E-3 for the sub-slab conduits and will be working with Griffin Electrical on their installation. W&S and Griffin shall be responsible for developing the final as-built plan. It was also determined that many items from RFI#15 have been addressed and the outstanding items include:

1. Coordination of the proposed valves between ITS and W&S; and
2. Coordination of the well connections with the Town. A separate meeting will be scheduled.

Today, the Harwich Water Department also concurred with the approach to reviewing warranty items. It was agreed to have Town Counsel review the Roberts Filter product

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warranty and then to use it as the model for subsequent product warranties. W&S CMR will take the lead on the workmanship warranty, as well as provide a blanket for the multiple products. Polaris will forward the Roberts product warranty to Town Counsel.

In response to the Town of Harwich request for further information relative to fire protection on January 18, 2011, Seaside Alarms has submitted preliminary sketches and a proposal to install smoke detectors and the alarm system. The sub-slab conduits shall be coordinated by W&S, along with the SCADA conduits. Seaside will be working as a subcontractor to W&S CMR and the additional fire alarm work shall be covered under an approved Extra Work Order

**IV. SCHEDULE ISSUES**

Backfilling of the foundation commenced on February 6<sup>th</sup> while damp proofing and water proofing activities were completed on February 9<sup>th</sup>. It is expected that much of the foundation wall backfilling will be completed by Monday February 14<sup>th</sup>. However, in light of the wet weather and cold temperatures of late January and early February, W&S presented an updated project schedule during the meeting (Submittal #5.3). In general, the overall project will remain on schedule, with the concrete work advanced and the Metal Building System being pushed off two weeks.

**V. FORESEEABLE FOUR WEEK SCHEDULE OF ACTIVITY**

During the next four weeks, W&S CMR plans to conduct the following tasks:

1. Continue with submittals;
2. Continue Permitting activities (with Harwich Building Department) – including response to the Town’s request for further fire protection information;
3. Continue backfilling activities; and
4. Installation of sub-slab conduits and utilities;
5. Install drainage structures at the north side of the building; and
6. Begin the placement of interior slabs.

**VI. OLD BUSINESS**

The conflict with the proposed trench drain (6” wide Zurn 886), specified on Sheet P-1, and the 12” wide available trench width shown on the structural drawings and desired by the Town was discussed. W&S CMR has proposed an increase to the Zurn Model (Zurn 882). The Town has accepted the revision and requested costs for

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stainless steel. The final cost of the Zurn 882 revision will be incorporated into Change Order No. 1. On December 28, 2010, W&S submitted a letter requesting \$11,014.34 for the upgrade to a non-stainless steel trench drain system.

W&S CMR submitted a request for information (RFI #11) for the discrepancies between the specified chemical transfer pump design heads (Section 11313-2.2 and 2.3) and those shown on the project mechanical drawings. W&S has proposed the use of Sethco pumps in lieu of the March pumps. The Town has requested that the proposed pumps be ordered through its primary vendor (Ti-Sales) for one point of coordination in the future. Ti-Sales suggested pump did not meet the specifications so W&S CMR has been asked to submit an "or equal" product to the specified March Pump capacity and other specified requirements.

In response to a request Environmental Partners Group (EPG) for clarification they confirmed that the future NaOH connection (6-inch-diameter as required) is governed by the invert elevation of 33.5 as shown on Sheet M-7.

The Town has decided to install a 1,000 gallon propane tank in lieu of the gas line shown on the project drawings. The change is being shown on plan by Polaris and shall be coordinated with W&S and R.W. Sullivan.

**VII. NEW BUSINESS**

The Town received a new Request for Information concerning the need for vents on the trench drain pipe, as is required by the building code. R.W. Sullivan has confirmed that the vent pipe is needed.

**VIII. TOWN COORDINATION ISSUES**

Coordination issues include:

1. The Harwich Building Department has requested additional information on the fire protection of the building (see above).
2. HWD meeting on SCADA coordination with well fields.
3. Town Counsel review of the Roberts product warranty submittal.

**IX. NEXT MEETING**

The next project meeting was scheduled to be in the site trailer on Friday, February 25, 2011. Future meetings will be every other week.

**ATTACHMENT ONE**

**SUBMITTAL LOG**