

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

**PROJECT PROGRESS MEETING #5  
DECEMBER 17, 2010**

**MEETING MINUTES**

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**I. ATTENDEES**

Allin Thompson, Town of Harwich  
Craig Wiegand, Town of Harwich  
Paul Costello, Polaris Consultants  
Ted Galeota, Weston & Sampson (W&S) CMR  
John Hanifin, W&S CMR

**II. OUTSTANDING CONTRACT AWARD DOCUMENTATION**

The outstanding Insurance Certificate and supporting documentation were provided to the Town's carrier for review, per Town Counsel recommendations. No comments have been received and the Insurance Certificates have been accepted.

**III. SUBMITTAL REVIEW**

Administrative

The submittal review to date is summarized on the Submittal Log dated December 17, 2010 and provided in Attachment One. There are no outstanding Administrative Submittals.

Technical

Since the last meeting, Polaris has returned several submittals, including the concrete additives mix (2% accelerant approved by Lin Associates), miscellaneous electrical submittals (approved by R.W. Sullivan), chemical resistant water stop, ductile iron pipe and fittings, valves and appurtenances, sewer manholes, joint sealant, rigid foam insulation, and crushed stone.

In accordance with the project specifications, the engineering team also continued with the technical review of the preliminary Metal Building Systems design. To this end, a Site meeting was conducted on December 14, 2010. Lin Associates issued design change details (SK-2 and SK-3) on December 15, 2010 to accommodate the proposed metal building base plate needed to meet the project design requirements. Lin Associates and the Town have reiterated that a load of 30 psf is required (as shown on Sheet S-2) in order to accommodate potential future needs. The Town reiterated that any reduction in the load for future allowances would have to be accompanied by a cost reduction.

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**IV. SCHEDULE ISSUES**

The construction work is generally proceeding in accordance with the approved schedule (Submittal #5.2), as long as the exterior foundation wall is completed by January 7, 2011 and the interior wall construction is initiated.

In the past two weeks, McKay Construction continued to make progress with the Site work, including: the excavation and installation of footings, slabs and exterior foundation walls. All continuous wall footings and slabs have been poured and the first exterior wall section (along Line F) is scheduled to be poured the week of December 28<sup>th</sup>.

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

In 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);
3. Completing the construction of exterior foundation walls (with pours beginning the week of 12/28/10) and initiation of the placement of interior walls;
4. Thereafter foundation work to last an estimated 2 weeks.

**VI. OLD BUSINESS**

Polaris Consultants continued to coordinate the efforts of Lin Associates and DiMarinisi and Wolfe in answering the Metal Building System formal RFI (#8) concerning several items. The second RFI (#8.1) as relates to the anchor bolt and plate locations of the standard Valco Building onto the foundation walls was answered by Lin Associates (SK-2 and SK-3) on December 15<sup>th</sup>. At no cost to the Owner, W&S has taken it upon itself to increase the continuous wall footings at each corner to a 4' by 4' column footing and has poured each corner as a column.

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 stainless steel. The final cost of the Zurn 882 revision will be incorporated into Change Order No. 1.

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Due to the availability of PVC pipe materials, W&S CMR issued a request to evaluate the size and materials of the 14" PVC discharge pipe to the residual lagoons. The pipe has been evaluated by Polaris and the pipe size shall remain the same. The Town has accepted the use of more available 14" ductile iron as an "or Equal".

**VII. NEW BUSINESS**

W&S CMR submitted a new 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.

**VIII. TOWN COORDINATION ISSUES**

All requested Building Permit information has been submitted to the Harwich Building Department, and the Building Department has been informed of the foundation construction. The Building Department visited the Site on December 16<sup>th</sup>.

**IX. NEXT MEETING**

The next project meeting was scheduled to be in the site trailer, after the impending holiday conflicts, on Friday, January 14, 2011. Future meetings will be every other week.

**ATTACHMENT ONE**

**SUBMITTAL LOG**