



MEETING MINUTES

PROJECT: Water Treatment Plant	PAGE: 1 of 2
OWNER: City of Long Beach	PROJECT NUMBER: 08856
MEETING DATE: 7/27/10	CONTRACTOR: Rotschy, Inc.

PRESENT: Dan Naughton, PACE Engineers, Inc.
Dave Wiebe, PACE Engineers, Inc.
Rick Gray, City of Long Beach
Casey Danforth, Rotschy, Inc.

1. COMMENTS ON PREVIOUS MEETING:

- No discussion.

2. SCHEDULE:

- No discussion.

3. SUBMITTALS:

- No discussion.

4. RFI'S:

- There was discussion regarding the dimensions of insulation panels for frost protection inside the WTP building foundation. Dan Naughton asked Casey to submit an RFI, and he would look into the situation.

5. PROPOSED CHANGE ORDERS:

- No discussion.

6. CONSTRUCTION ISSUES:

- It was determined that a coal tar coating material was required be applied to the clearwell walls. Cleaning of the concrete and coating materials as per section 09900 were discussed. After talking with David Lee of PACE, it was determined that Carboline Bitumastic 50 was acceptable for use, and was available in Portland. Coating prep will be as per the manufacturer's requirements. This work is scheduled by the painting sub-contractor for Thursday/Friday this week.
- Under-slab insulation was discussed. See RFI'S above.
- It was determined by PACE that a vapor barrier under the building slab was not required. There was a question as to whether or not the IBC would allow the change. Dan will check with Monte with the Pacific County Building Department.
- At Rick Gray's request, the vault for the Mattick's Creek flow-meter will be relocated to the WTP to house the raw water chlorine dioxide injection static mixer. Flow-meter size will be determined for the Mattick's Creek feed, and a manhole base/flat-top will be used in lieu of a vault.
- Clearwell backfill was discussed, and Dan brought up the requirement to compact the structural fill near the clearwell wall with hand-held compaction tools (jumping-jack). Casey intends to use a back-hoe/hoe-pac on the east side of the structure, and an excavator mounted compaction wheel in the other areas. Benching and methods used to achieve the compaction were discussed. Compaction work on the east side of the WTP building could start as early as August 2nd, pending manufacturer's recommendations for cure time.
- The perimeter foundation drain was discussed. The 3/8"x1/4" pea gravel is acceptable for use surrounding the foundation drain system. Casey asked to make minor changes to the location of the drain-line outfall. Dan was in agreement with this change.
- Yard piping completion and schedule were discussed. Casey has an additional operator and pipe-layer assigned to the project, and the yard piping installation will move ahead on an accelerated schedule.
- The steel grating for the pipe gallery was discussed. Rick Gray was interested in the dimensions of the grate sections. Dan mentioned that each section shouldn't weigh more than 70 pounds. Casey indicated he won't order grating until all piping is completed in the gallery, and vertical locations determined.
- Dan delivered samples for the WTP ceiling system and gave them to Rick Gray for approval.



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- Dan confirmed that Cundiff had reviewed the Main Impound wire size request from Rotschy, and determined that the originally specified wire size indicated in the electrical plans would be required.
- Rick Gray asked if the housekeeping pad for the ACH tank could be made larger/squared-off instead of the octagonal configuration shown on the plans. Casey indicated that the tank was actually larger than shown on the plans because of seismic restraints, and after the tank is positioned, he can determine whether or not a square pad is possible.
- Rick Gray is concerned that a low area in the floor over the clear-well will create additional maintenance problems when the plant floor is washed down, or will pond water during normal operations. Remediation was discussed including saw-cut drainage channels, and possibly enlarging the housekeeping pads under the filters to include the low area. We will identify (mark) the low area, accurately locate the filter locations, and determine a remedy.
- Schedule was discussed:
 - a. It is imperative that Rotschy facilitate a discussion between Larry Liu and the steel truss manufacturer to work out any problems concerning their submittal in order to schedule the manufacture of the trusses and keep the project on schedule. This is a critical path item.
 - b. Casey provided an updated schedule by email on 7/26.
 - c. Casey is concerned about the Pall submittal. With the recent piping redesign, Casey hopes that this won't hold up their submittal and that PACE can respond to the submittal on priority basis.

7. CONTRACTOR CONCERNS:

- Only schedule items addressing the roof trusses and Pall submittals.

8. ENGINEER / CITY CONCERNS:

- Compaction requirements in close proximity to the clearwell.
- Coating requirements for clearwell.

9. Q & A:

- No discussion.

