



MEETING MINUTES

PROJECT: Water Treatment Plant	PAGE: 1 of 2
OWNER: City of Long Beach	PROJECT NUMBER: 08856
MEETING DATE: 8/3/10	CONTRACTOR: Rotschy, Inc.

PRESENT: Dan Naughton, PACE
Dave Wiebe, PACE
Rick Gray, City of Long Beach
Don Zeurn, City of Long Beach
Casey Danforth, Rotschy
Darin Kysar, Rotschy

1. COMMENTS ON PREVIOUS MEETING:

- No discussion.

2. SCHEDULE:

- Casey provided the attached three week schedule. The schedule was discussed, and it appears that the project is on schedule, and may shorten in the coming weeks.

3. SUBMITTALS:

- Darin delivered the PALL submittals. A quick turn around of this submittal will allow production schedule and an equipment delivery date from PALL. Darin and Dan will keep a high priority on the submittals.

4 RFI'S:

- RFI #32 was discussed concerning the method of hanging the curtain walls in the clearwell. The manufacturer suggested a system utilizing a stainless steel angle piece attached to the ceiling with attachments to the curtain. The approximate cost for this system is an additional \$2,000. Darin indicated this change will be made at no cost to the City.

5. PROPOSED CHANGE ORDERS:

- No discussion.

6. CONSTRUCTION ISSUES:

- Clearwell leaks: ConTech, a company that specializes in repairing leaks, can repair the leaks from the outside using an NSF 61 approved product. ConTech will inject a chemical grout under pressure into the four cracks, and proper sealing can be determined after the work is completed. The chemical grout should be allowed adequate cure time per the manufacturers recommendations. The coal-tar coating may only be applied after verification that the leaks have been repaired and adequate cure time of the chemical grout has been reached.
- The EFM/CIP vault leak tests were discussed. The contractor will fill the vault to a 5' level for initial testing. Any leaks found will be repaired by an approved method. After the vault lid has cured to 80% of the required strength, it will be re-tested for leaks.
- The cure time for the moisture barrier coating applied to the outside of clearwell is 7 days as per the manufacturer's literature. Both Dan and Rick were concerned that the full 7 day cure was achieved. Back-fill work can start on Thursday, August 2nd. In that regard, the contractor will use hand held compaction equipment within 3' of the wall, and will bench out from the excavated slope, a distance equal to the depth of the fill.
- The yard piping was discussed. Yard piping is complete except for connection to the new WTP. The lines will be filled, flushed and chlorinated next week.
- The static mixer for the raw water intake was discussed. Rick Gray has ordered a unit that will operate with a 300-1,500 GPM flow rate.
- Pump curves for the Dohman Impound were discussed, and Dan and Rick will go over the data after the meeting.
- It was determined that Carlson Testing will be used in conjunction with the WTP only. The re-bar inspection, concrete pours, and other required testing on the Main Impound, and Dohman Impound will be



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provided by the Pacific County Building Department and PACE Engineers.

- Rotschy will start the dirt work for the ponds this week. They will initially remove organic materials from the embankment areas, and place it in stockpiles.
- There was a discussion regarding the grades to be established for the pond bottoms, and the chimney drains. These concerns will be discussed as we get a better indication of actual site grades, and whether or not additional embankment material will be required. PACE Engineering will provide on-site coordination for the excavation/embankment work, and will determine the suitability of materials used for embankment.
- Several changes to the plans were discussed: No vapor barrier will be required under the WTP floor, and rigid insulation will only be required as indicated on Sheet A3.
- Discussed the replacement of the vault for the Mattick's Creek flow meter. A manhole with a flat-top lid will be used for that location. It is not anticipated there will be any extra cost involved. The City may have a manhole that can be used in this location.
- The modified piping from the PALL skids through the pipe gallery was discussed. A cost estimate for this change is needed by PACE. Dan will provide Rotschy with full size drawings for this work, in order to accurately depict the changes required.

7. CONTRACTOR CONCERNS:

- No discussion.

8. ENGINEER / CITY CONCERNS:

- No discussion.

9. Q & A:

- No discussion.

LONG BEACH WATER TREATMENT PLANT

THREE WEEK ROLLING SCHEDULE

DATES	8/1	8/2	8/3	8/4	8/5	8/6	8/7	8/8	8/9	8/10	8/11	8/12	8/13	8/14	8/15	8/16	8/17	8/18	8/19	8/20	8/21
DESCRIPTION OF WORK	This schedule is contingent on the clearwell leaks getting fixed this week. 7/18-7/24																				
TREATMENT BUILDING																					
Wall waterproofing cure	x	x	x	x																	
Clearwell backfill					x				x												
Treatment underground plumbing									x	x											
Trench slab form/rebar									x	x											
Trench slab pour											x										
Trench wall form												x				x	x				
Trench wall pour																		x			
Trench wall strip																			x		
Slab subgrade prep																					x
Underground electrical 8/24-8/25																					
Field piping in driveways		x	x	x	x						x	x				x					
TREATMENT FUTURE EVENTS																					
Treatment slab form 8/20-8/26																					
Treatment slab rebar 8/25-8/26																					
Pour Treatment slab 8/27																					
CMU Masonry 8/31-9/21																					
Metal truss delivery 9/15																					
Structural roof install 9/22-10/6																					
Metal roof install 10/7-10/29																					
Measure window openings 9/9																					
DOHMAN																					
pour slab												x									
Form and pour walls									x	x											
PUMP STATION																					
Form and pour footings									x	x	x										
Form and pour walls																					
Form and pour slab												x				x					