

August
2011

WSAFCA The Rivers Project

Status Report, 8/28 - 9/09/2011

Construction Management by:

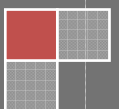
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ENGINEERS & SURVEYORS SINCE 1892

Engineering by:
HDR

Construction by:
Raito Inc.

Prepared for:
The City of West Sacramento



This report summarizes the levee construction activities on the Rivers Project from the week beginning the 28th of August through the 9th of September 2011.

The installation of the initial perimeter was completed with the installation of the fiber rolls along the landside toe of the levee as well as the completion of the silt fencing.

Teichert continued the degrade of the levee, completing the construction of the work pad and subgrade cap on the 2nd of September. The subgrade cap from Station 71+50 to 77+00 required over excavation of 18" in order to achieve a stable subgrade because of overly moist in situ soil conditions. Backfill material for the subgrade cap was from two sources, offsite from Aspen 3 and from the degrade of the levee west of Station 73+00.



The Deep Slurry Mix (DSM) cutoff wall construction continued with two headings each working two shifts, so that work on the wall was 24 hours a day six days a week. The second heading began on the 30th of August at Station 81+00 where it tied back into the Slurry Bentonite column left by the first drill rig at the beginning of the test section. On the 9th of September the night crew made it just past Station 83+00 with Drill Rig #2 where the bottom of the wall goes from Elevation -103' to -76'. At this point another Slurry Bentonite column was left in place for Drill Rig #2 to tie back into at a later date. The day crew later that day began moving Drill Rig #2 to the east end of the project at Station 101+00 to drill back towards 83+00. Also on the 9th Drill Rig #1 made it to Station 77+00 where the bottom of wall steps deeper to elevation -105' from -103'.



On the 31st of August Drill Rig #1 lost a cutting head at -59' from the work pad and was unable to push through it. This required that a section of wall be added waterside parallel with and adjacent to the original. The parallel wall is 5 elements long with the outer two at a skew to tie back into the design wall, ensuring continuity. The work for this parallel wall was completed on the 6th and 7th of September.

Degrade to Date (Design Quantity 67,540 cu yd)	Embankment to Date (Design Quantity 45,170 cu yd)	SB Wall Excavation to Date (Design Quantity 334,950 sf)
40,763 cu yd	7,249 cu yd	85,590 sf