

August
2011

WSAFCA CHP Project

Status Report, Start – thru 8/27/11

Construction Management by:

M·H·M

ENGINEERS & SURVEYORS SINCE 1892

Engineering by:

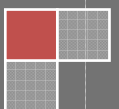
HDR

Construction by:

Teichert Construction, Inc.

Prepared for:

The City of West Sacramento



This report summarizes the levee construction activities on the CHP Academy Project from the beginning of construction through the week ending the 27th of August, 2011.

Construction began with the installation of a silt fence and perimeter controls. Due to the presence of environmentally sensitive areas adjacent to the construction activity, K-rail barriers were placed at these locations. During this initial work, a bird's ground nest was discovered within the construction staging area. For the protection of the birds, a perimeter was established around the nest and monitoring was conducted on a daily basis. On the 18th of August, ICF declared that the nest was a "success" and that all birds were no longer present. This allowed the perimeter to be taken down and access to the entire staging area was made available to the contractor.

Teichert began drilling for soil samples through the levee crown while the environmental controls were being placed. The material removed from these drillings was used in the formulation of the mix design for the Soil Bentonite cutoff wall.

Upon completion of the initial environmental control installation, Teichert began the stripping of the levee slopes and the staging area adjacent to the waterside of the levee at the east end of the project minus the area mentioned above. Next the base rock was removed from the crown of the levee and stockpiled in the staging area for possible reuse.

Prior to the degrade of the west end of the levee, approximately 2500' of concrete slope protection needed to be removed. The process involved "peeling" off the concrete with excavators and loading trucks to haul the material offsite. This process took about three weeks to complete.

Starting on the 8th of August Teichert began the degrade of the 2200' of levee west of the concrete slope protection with scrapers. The contractor deemed that this material had the potential to be suitable for backfill and stockpiled it onsite for use in the reconstruction of the levee. On the 11th of August after the concrete slope protection had been removed, Teichert began the degrade of the easterly 2500' of the levee. The contractor had deemed that this material was primarily sand and not suitable for backfill. This material was loaded by excavator directly into haul trucks to be removed from the site. A portion of the sandy material was retained and stockpiled adjacent to where the Soil Bentonite wall is to be



installed and within the staging area. This was done because the sand will be used within the Soil Bentonite backfill mix.

Simultaneous with the degrade of the levee, the inspection trench was cut starting at the easterly project limits and moved west. After the inspection trench was cut it was moisture conditioned and compacted. Teichert deemed, at their own risk, that the stockpiled onsite material from the degrade of the levee was suitable for the backfill of the inspection trench. The material was initially mixed by scraper but later a tractor and disc was utilized. After the material had been mixed, it was placed in lifts in the trench, moisture conditioned and compacted.



On the 8th of August Inquip began mobilizing equipment and supplies for the installation of the SB wall. The first step was the installation of an HDPE waterline from the hydrant at the corner of River Bend Rd and North Harbor Blvd to the project site for use in preparing the slurry mix. The Koehring long stick excavator was moved onto site in pieces and assembled and the mixing equipment for the slurry ponds was moved in. Also multiple slurry ponds were excavated within the staging area. On the 20th of August Inquip began mixing slurry so that excavation of the SB wall trench could begin on Monday the 22nd of August. To date, Inquip has been excavating and backfilling the SB wall for an entire six day work week. Work began at the east end of the where the SB wall is only 25' in depth. More than 1500' of SB wall trench has been excavated and over 1000' has been backfilled with slurry, and two temporary wall settlement monuments have been installed.

