



## **CITY OF FORT BRAGG**

416 N. FRANKLIN, FORT BRAGG, CA 95437  
PHONE 707/961-2823 FAX 707/961-2802

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### **PUBLIC WORKS & FACILITIES COMMITTEE ITEM SUMMARY REPORT**

**MEETING DATE:** July 11, 2018

**FROM:** Tom Varga, Public Works Director

**AGENDA ITEM TITLE:** Status update of waste water treatment facility upgrade project

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#### **ISSUE:**

The upgrade of the Waste Water Treatment Facility (WWTF) is underway. This work is being done by Wahlund Construction of Eureka under a \$15,352,500 contract. The current trickling filter treatment will be replaced by an activated sludge system. In addition, the following plant features will be updated: solids handling, storm water system, creation of equalization basins, and a new location for the bio-solids storage area.

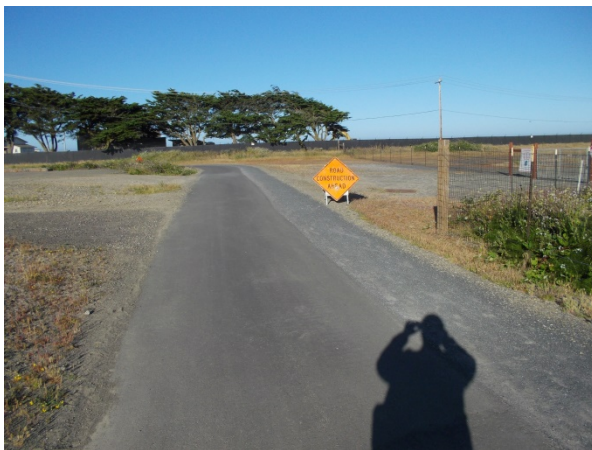
#### **SUMMARY:**

**Week of June 25<sup>th</sup>** Following the groundbreaking, the Contractor jumped straight into demolition and site preparation. The first weekly construction meeting was held on Tuesday in Wahlund's jobsite trailer conference room. The team is responsive, experienced, and conscientious. The remainder of the week concluded with the Contractor making significant progress toward demolition of the existing drying bed, sludge lagoon #2, and sludge piping. The project construction manager, SHN, successfully completed the construction staking for the new biological treatment tank at Wahlund's request.





Trail safety measures were put in place at the entry gate to insure the safety of trail users. The current measures, which include warning signs along the trail, stop signs for trucks crossing the trail, and a flagger during times of heavy traffic, will be monitored for effectiveness and adjusted as needed.

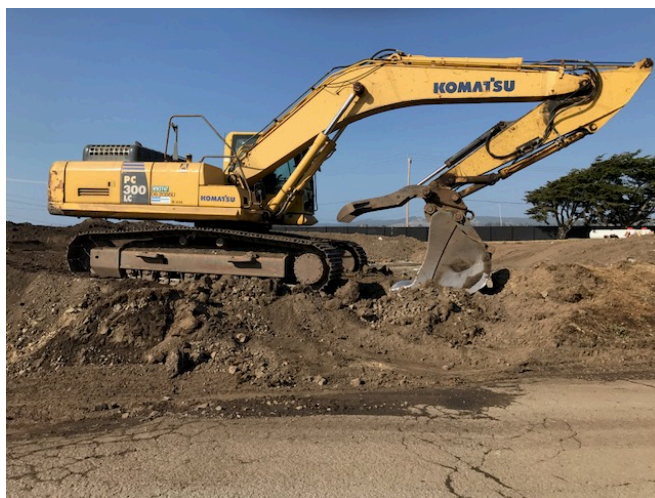


A water truck is on site and will be used throughout the summer months to keep dust levels to a minimum both inside the plant fence and along the haul route during placement and stockpiling of soils outside the plant.

**Week of July 2<sup>nd</sup>** Construction included the submittal of the Contractor's first pay request. SHN verified the associated quantities and supplied the City with the reports and documentation required for submittal to USDA and SRF. The contractor also submitted a Schedule of Values that was accepted to use as a basis for checking pay requests and reviewing change orders.

The Contractor has submitted a value engineering proposal that over the last month has been reviewed and vetted by the City and Construction Manager. The Value Engineering Proposal includes the substitution of native backfill for a grout blend around the excavations, a soil fill site that is less than one half mile away (provided by the City), and the substitution of an Aeromod belt press. The proposed changes have been carefully reviewed by HDR, SHN, and the City, and have been determined to meet the specifications of the project. The Construction Manager submitted the first change order reflecting a reduction to the contract price in an approximate range of \$300,000 to \$500,000.

Onsite, the Contractor finished demolition of the existing concrete drying bed and underground infrastructure. Concrete debris was off-hauled by Geo Aggregates. Excavation for biological treatment tank continued throughout the week. Dust control and trail safety were priorities during the holiday week.



**Two Week Look Ahead** The excavation for the biological treatment tank will continue. Material from the excavation is currently being stockpiled south of the plant on City property for reuse. Topsoil will be utilized to create a grassy berm around the southerly and easterly fence lines of the WWTP, while denser rockier material will either be placed in a permitted location near the stockpiles or used as backfill for the project.

A Geotechnical Engineer from HDR is schedule to visit to inspect the subgrade for the tank and make recommendations prior to final subgrade preparation. Depending on the recommendations of HDR's Geotechnical Engineer additional excavation and re-compaction may take place or preparation may begin toward forming the floor of the tank. Preparation for forming the floor and walls of the tank will follow final compaction of the subgrade. The concrete and steel reinforcing work will be performed by Wahlund subcontractors with a significant increase in workforce and activity.

**RECOMMENDATION:**

This is a status report with no recommendation(s) for action.

**ATTACHMENTS:**

None.