

Summary of Change Order Prepared by Shannon Jessica, Engineer  
January 24, 2022

During drilling, required water testing by the soils engineer showed that the well performance exceeded the County's allowable range for being used as disposal wells without supplemental treatment. The plans have been updated to include supplemental treatment per County of Santa Barbara requirements. Supplemental treatment includes a new AdvanTex AX-Max package Wastewater Treatment System by Orenco. The treatment system is installed following the previously proposed 6000 gallon septic tank, with effluent from the septic tank flowing by gravity down to the treatment system which will be partially buried, and includes aeration and recycle of wastewater over fixed film media inside the treatment tank to reduce contaminants (nitrogen). Discharge from the Ax-Max treatment system is under pressure and includes a pump that will lift treated effluent to the discharge wells for infiltration. The treatment system includes a pump, therefore new electrical conduit/lines will be installed from the existing lift station. In addition, a 1" water line will be plumbed to the treatment system so that a 3/4" hose bib can be utilized for periodic wash-down of the treatment media.

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