

EAST BAY MUNICIPAL UTILITY DISTRICT

DATE: February 23, 2009

MEMO TO: Whom it May Concern

FROM: Pam Hopkins, PE
Construction Manager

SUBJECT: SD 297 Gravity Sewer South Interceptor Relocation
Reference: Mountain Cascade Inc.

Mountain Cascade has recently completed installation of approximately 1100 ft of 66 inch RCP gravity sewer in Oakland, California for East Bay MUD. The work involved trenching and shoring to a depth of approximately 25 feet and construction of five manhole structures; three typical cone type manholes and two large tie-in structures. The contract amount was \$4,049,049.

The quality of work was very high and the project was completed on schedule. The project was adequately staffed and Mountain Cascade worked expeditiously to finish the project on schedule.

One of the major challenges of the project included coordination with the City of Oakland and various businesses to install the pipeline in a busy arterial street. Traffic control was well managed with no incidents. Another challenging aspect of the project was the series of shut downs of flow required in order to tie existing services into the new interceptor and to place the new interceptor into service. These shut downs were approached with skill and good communication. In order to complete the tie-ins, the District's Operations team was required to drain back the interceptor to an existing wet weather pumping station. Mountain Cascade was cooperative, using their know-how to work with the District, finishing their work between rain events. The project was Operationally Complete on December 23, 2008.

If you have any questions, please feel free to call me at (510) 287-1326.

cc: File: PC235V.D02