



C.H.J. Incorporated

Upland Basin Expansion Project

Owner: City of Upland

Project Summary

Phase 2 of the Upland Basin Expansion Project provided greater flood control retention and groundwater aquifer recharge capacities. The Upland Basin is located south of Arrow Route and east of Monte Vista Avenue and San Antonio Channel. Phase 2 also included a jurisdictional dam, emergency spillway to the San Antonio Channel, storm drains, and disposal of unacceptable materials.

C.H.J.'s Role

CHJ performed inspection and testing services for the Upland Basin Expansion Project in the city of Upland. Services included photographic documentation, reporting of contractor progress, coordination of concrete and materials sampling and inspection, coordination of soils testing and observation, weekly testing summaries sent to State of California Division of Safety of Dams (DSOD), site inspections, dam foundation, geologic observation of remedial fill debris/soil removal, processing, and compaction for reclamation of the former sand/gravel quarry site under the jurisdiction of DSOD, moisture density curve, both large and small, gradation, sand equivalent of the aggregate base material, cylinder compressive strength, steel bar testing, and compaction testing of on-site and import materials. The development included placement of engineered graded fills including earth dam embankments, construction of inlet storm drains, a concrete outlet spillway, and a storm drain outlet. The project lasted for 14 months.

Project Costs: \$10 Million



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