



## Pelican Cove Project Summary

Location: Oceanside, California

Clear Creek Systems, Inc. (CCS) installed and operated a 200 gallon-per-minute (gpm) Chitosan-enhanced stormwater filtration system for a nationwide developer. The site was located on a 6-acre lot in a residential area of Oceanside. The developer was faced with a work stoppage until the retention basin on-site could be dewatered. CCS mobilized the site in 48 hours and finished treating the water out of the retaining basing in 10 days.

CCS was able to perform the treatment needed on the site under a variety of constraints. There was limited space available for the filtration equipment. Tanks had to be used as retention basins for the polymer amended water. The effluent had to be channeled to a storm drain approximately 1200' away from the filtration system.

CCS worked with the developer and staff from the City of Oceanside to ensure that all applicable codes and regulations were met. CCS took many precautions to minimize disruptions to neighbors of the project. One example of this is that flexible, lay-flat discharge hose was used to deliver the filtered water to the termination point. Using hoses instead of PVC piping did not restrict access to residential driveways near the project.

Three representatives from the San Diego Regional Water Quality Control Board visited the site because it was one of the first polymer-enhanced filtration systems to be used in the area. CCS employees walked through the system with the representatives, answering their questions about operations, record keeping and residual toxicity testing.

CCS treated over 200,000 gallons during operations and the developer was able to resume work after the basin had been dewatered.

