



East Cliff Drive Bluff Protection

Owner: County of Santa Cruz Santa Cruz, California
Joel LaCacnin, Public Works Engineer
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General Contractor: Drill Tech Drilling & Shoring, Inc.
Des Blake, Project Manager
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Engineer/Architect: Sanders & Associates Geostructural Engineering
Bill Millhone, Design Engineer
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Year Performed: April 2009 – November 2010

Contract Value: \$7,274,034

Major Scope: Soil Nails and Sculpted Shotcrete



Project Description:

This DTDS project was awarded in April 2009 and completed in November 2010. The project consisted of executing traffic control & detours, clear and grubbing, removal of 6000 tons of rip rap/concrete debris, excavation and placement of approximately 1500 lf concrete footings in tidal zone, removed existing wood and replaced as concrete stairway entrances to the beach at 32nd, 35th and 41st Streets, installed 38,000 lf of soil nails, placed the wall reinforcement, the drainage and approximately 4800 CY of structural and sculpted/textured shotcrete for the project. This work was concentrated in tidal zone windows of very short duration's day & night during heavy surf activity, while maintaining public access to streets and beaches at all times.



