



Shelter Cove Access Road Pacifica, California

Civil and Structural Engineering



Nested in a protected cove on the southwest margin of the City of Pacifica, Shelter Cove is an ideal setting. This rugged and scenic stretch of coastline is famous for its precipitous slopes, harsh weather, and rough seas. Vehicle access to Shelter Cove was disrupted in 1982 by landslides and wave attack, which damaged an extensive portion of the quarter-mile long driveway. MME was selected to engineer the driveway repairs to restore access to the 22 residential units located at Shelter Cove. Renovation plans include a proposed concrete slab deck that will be supported by concrete grade beams and piers. The system is designed to allow landslide material to flow around the foundation elements without impeding the natural movement of the landslide due to geologic forces and coastal erosion. Plans also include the renovation of two parking areas and the use of alternative paving systems to minimize the impact of storm water runoff. An aesthetic design was implemented to blend the proposed work in with the surrounding landscape by using colored concrete and low-profile decking and lighting. Currently the project is undergoing extensive planning and environmental review. Though construction has yet to begin, MME's design is intended to allow access to Shelter Cove for at least the next 100 years.

Client Reference:
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Budget: \$5 million