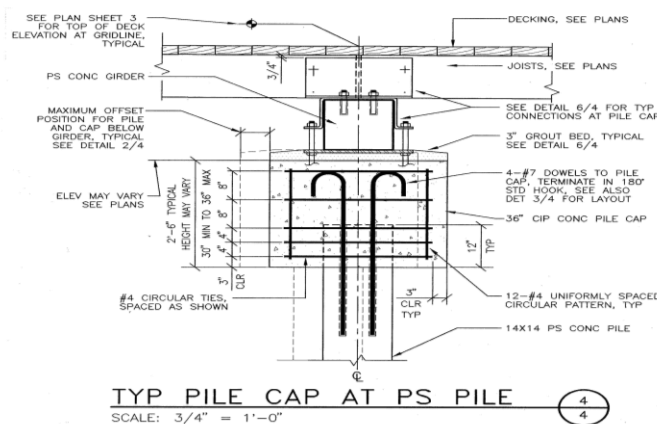
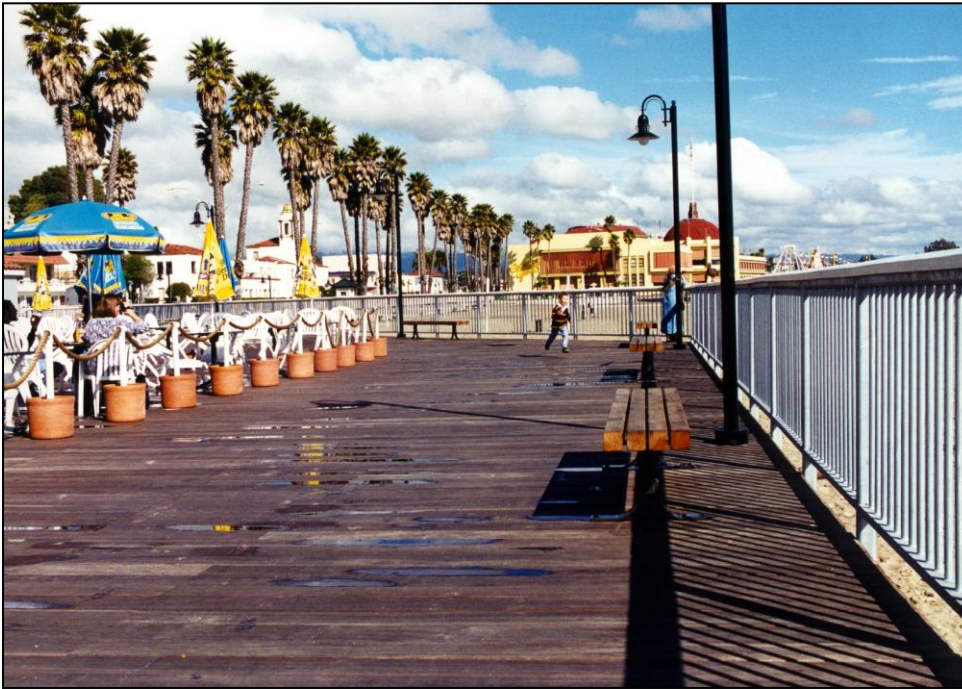




## Beach Street Wharf Pedestrian Deck Santa Cruz, California

### Civil and Structural Engineering



#### Client Reference:

Chris Schneider, Assistant Director, Public Works  
City of Santa Cruz  
809 Center Street  
Santa Cruz, CA 95060  
(831) 429-3463

**Budget:** \$475,000

For this prominent addition to the city of Santa Cruz's world famous Boardwalk and Main Wharf, Mesiti-Miller Engineering was chosen as prime design professional for the initial feasibility study as well as final design and preparation of construction documents for an 8,000 square foot fixed pier addition to the Main Wharf where it intersects the Beach Street Promenade.

By using pre-stressed concrete piling and cap beams, this extension of the Main Wharf was constructed at considerable cost saving compared with traditional wood piling and cap beam approach. Because the city wanted to retain the warmth of wood decking for aesthetic reasons, we determined that by spending about 10% more up front on hardwood decking instead of softwood decking, the useful service life of the deck more than doubles, greatly reducing long-term maintenance costs.