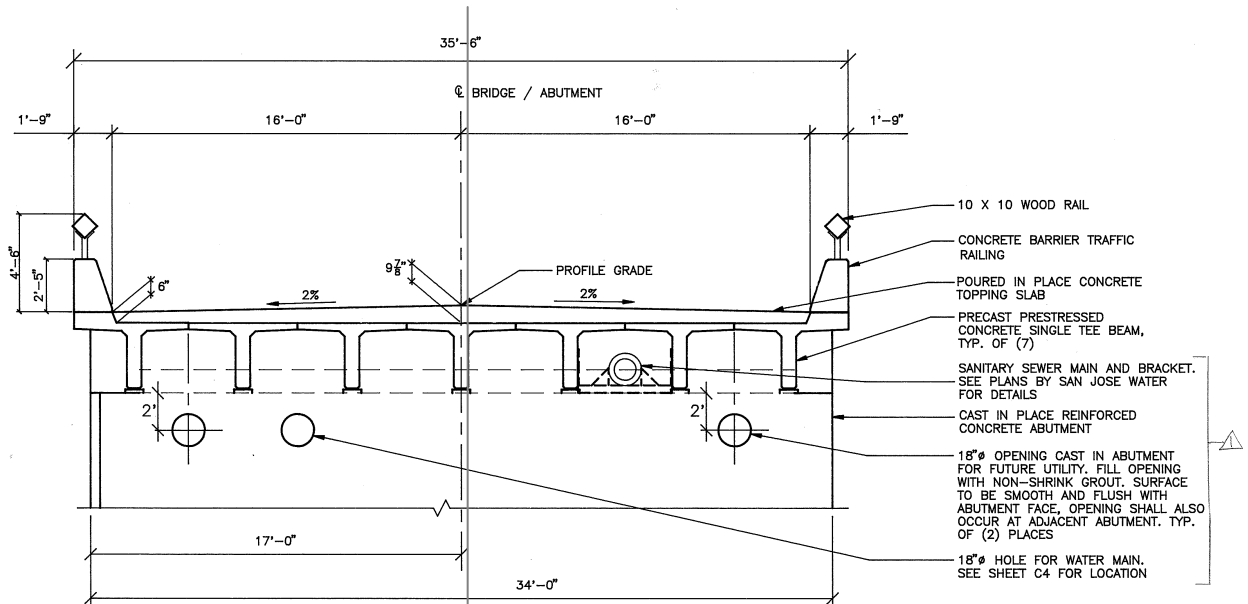




Pierce Road Bridge Saratoga, California

Structural Engineering



BRIDGE SECTION

SCALE: 1/4" = 1'-0"



Mesity-Miller Engineering was the prime design professional in charge of designing this 55-foot span, pre-cast concrete girder bridge replacement along with the adjacent road approaches. We integrated measures for protection of sensitive red-legged frog habitat during construction into the construction documents. The project required permits from the Army Corps of Engineers, the California Department of Fish and Game, the Santa Clara Valley Water District and the Santa Clara Valley Flood Control District. The HBRR program provided federal funding to the project and CalTrans provided the approval.

Temporary shoring for the existing bridge was designed and constructed almost overnight to keep the existing bridge open until the new bridge construction began. This bridge also carries a 10-inch water main, 8-inch sanitary sewer main, high pressure gas lines, electric power, cable, and telephone services. Coordination with all user groups was an integral part of this project.

Client Reference:

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Budget: \$415,000