

WHELEN BRIDGE

PROJECT DESCRIPTION

CONSTRUCT A BRIDGE OVER A CREEK TO REPLACE AN EXISTING BRIDGE THAT WAS DETERIORATING AND WASHING OUT.

PROJECT LOCATION

ATASCADERO, CA

STRUCTURAL ENGINEER

MATRIX CONSULTING ENGINEERS
SAN LUIS OBISPO, CA

GEOTECHNICAL ENGINEER

MID COAST GEOTECHNICAL
ATASCADERO, CA

INSTALLATION CONTRACTOR

J.R. SPENCER CONSTRUCTION
SAN LUIS OBISPO, CA

PROBLEM

THIS SOILS REPORT INDICATED GROUND WATER AT 8 FEET BELOW GRADE AND POOR SOILS DOWN TO 40 FEET. THE HIGH WATER TABLE AND WEAK SOILS WOULD REQUIRE CAISSONS TO BE SLEEVED. SPOILS FROM DRILLING CAISSONS WERE ALSO A CONCERN DUE TO THE STEELHEAD TROUT IN THE CREEK. DRIVEN PILES WERE NOT A COST EFFECTIVE SOLUTION BECAUSE OF THE SMALL SIZE OF THE PROJECT.

SOLUTION

J.R. SPENCER CONSTRUCTION INSTALLED 6 MACLEAN-DIXIE 8" COMPOSITE HELICAL PIPE PILES TO A DEPTH OF 45 FEET. EACH PILE HAD A LOAD CAPACITY OF 100 KIPS.

COMMENTS

MACLEAN-DIXIE 8" COMPOSITE HELICAL PIPE PILES WERE A COST EFFECTIVE SOLUTION AND AN EXCELLENT CHOICE WHEN WORKING ON THIS ENVIRONMENTALLY SENSITIVE PROJECT.



POSITIONING THE 8" CHPP



INSTALLATION OF THE 8" CHPP



COMPLETED PROJECT