

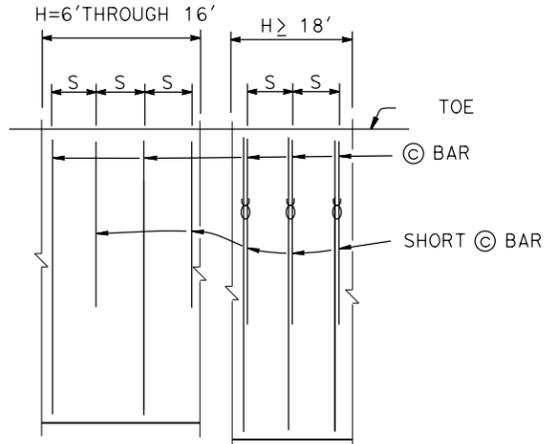
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER DATE _____

PLANS APPROVAL DATE _____

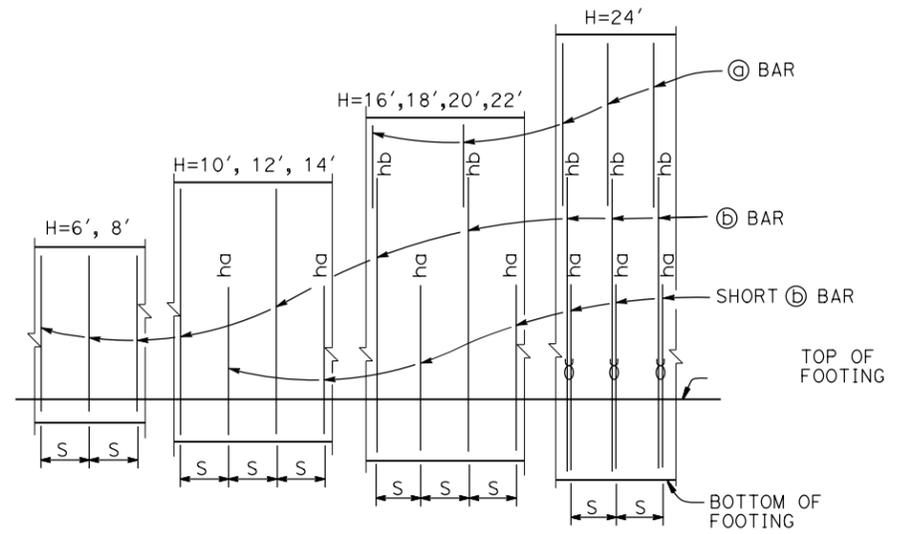
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.

The Registered Civil Engineer for the project is responsible for the selection and proper application of the component design and any modifications shown.

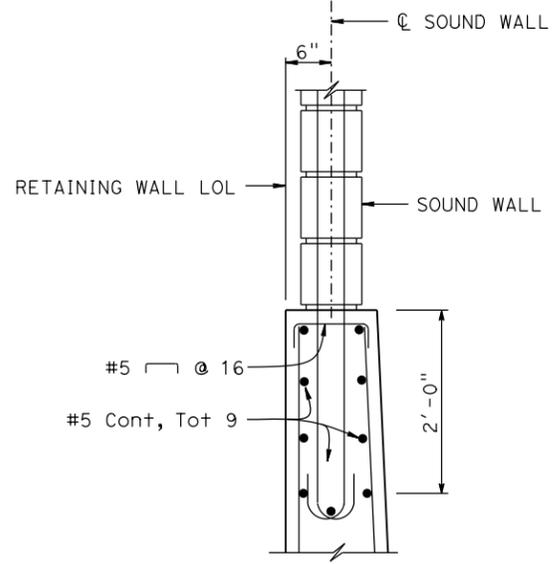
PLAN
No Scale

NOTES:
Only © bars shown
"S" is © bar spacing, see table
∅ : indicates 2 bar bundle



ELEVATION
No Scale

NOTES:
"ha" and "hb" above © bars indicate distance from top of footing to upper end of © bars, see table.
"S" is © bar spacing, see table.
∅ : indicates 2 bar bundle



DETAIL A
1" = 1'-0"

DESIGN DATA

Design: AASHTO LRFD Bridge Design Specifications
4th edition with California Amendments

WS: 33 psf on sound wall
LS: Varied surcharge on level ground surface
EQE: Mononabe-Okabe Method

$K_h = 0.3$
 $K_v = 0.0$

Soil: $\phi = 34^\circ$
 $\gamma = 120$ pcf

Reinforced Concrete: $f'_c = 3600$ psi
 $f_y = 60,000$ psi

Load Combinations and Limit States

Service I $Q=1.00DC+1.00EV+1.00EH+1.00LS+0.30WS$
Service II $Q=1.00DC+1.00EV+1.00EH+1.00WS$
Strength I $Q=aDC+BEV+1.50EH+1.75LS$
 $Q=1.25DC+1.35EV+0.90EH+1.75LS$ (for piles at heel)
Strength III $Q=aDC+BEV+1.50EH+1.40WS$
Strength V $Q=aDC+BEV+1.50EH+1.35LS+0.40WS$
Extreme I $Q=1.00DC+1.00EV+1.00EH+1.00EQD+1.00EQE$

Where:

Q: Force Effects
a: 1.25 or 0.90, Which ever Controls Design
B: 1.35 or 1.00, which ever Controls Design
DC: Dead Load of Structure Components
EV: Vertical Earth Fill Pressure
LS: Live Load Surcharge
EQE: Seismic Earth Pressure
EQD: Soil and Structure Components Inertia.
Soil inertia ignored for stem design
WS: Wind Load on Sound Wall and Barrier