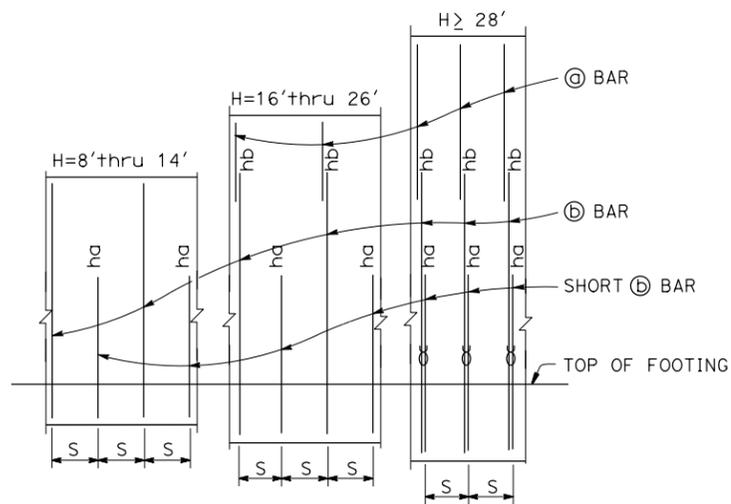


DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
X	X	X	X	X	X

REGISTERED CIVIL ENGINEER	X	DATE	
PLANS APPROVAL DATE			

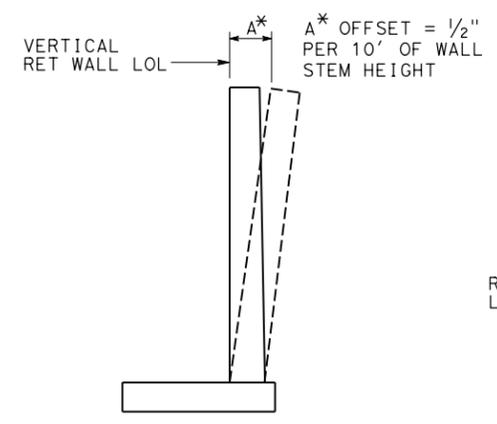
REGISTERED PROFESSIONAL ENGINEER	X
No.	X
Exp.	X
CIVIL	
STATE OF CALIFORNIA	

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



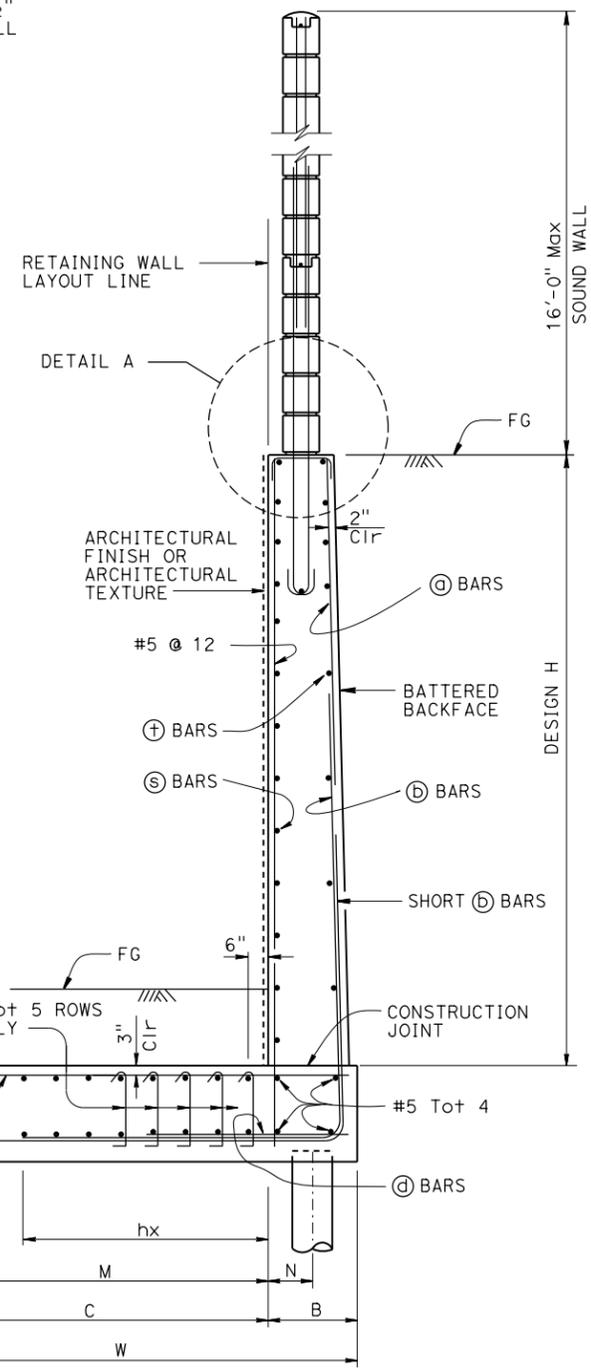
ELEVATION
NO SCALE

NOTES:
"ha", "hb" above 'a' bars indicate distance from top of footing to upper end of 'a' bars, see table.
"S" is 'b' bar spacing, see table.

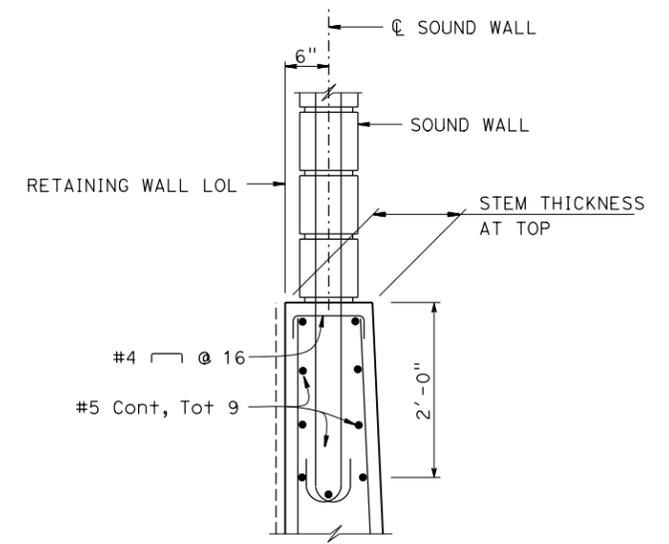


WALL OFFSET
NO SCALE

Values for offsetting forms to be determined by the engineer



PILE FOOTING SECTION
NO SCALE



DETAIL A
1" = 1'-0"

For sound wall reinforcement, see "SOUND WALL - MASONRY BLOCK ON RETAINING WALL" sheet

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: Mononobe-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 $Q=aDC+bEV+1.50EH+1.75LS$
 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

- NOTES:
- All piles are class 90 concrete piles.
 - Pile batter shown are 1:3.
 - Minimum distance between center pile and edge of footing is 1'-6".
 - Lateral resistance of each pile:
 30 kip for strength limit states.
 40 kip for extreme limit states.
 Pile group reduction factors are not applied, unless soil passive resistance on footing is included.
 - Maximum spacing between piles is shown in the table. Reduce to suit the length of footing.
 - Minimum distance between any two piles is 3'-0". Reduce to suit the length of footing.
 - For sound wall and retaining wall architectural finish or texture, see details elsewhere in Project Plans.
 - For details not shown and drainage notes, see (B3-5)
 - Footing cover, 2'-0" minimum.
 - For sound wall and reinforcements see "SOUND WALL - MASONRY BLOCK ON RETAINING WALL" sheets.