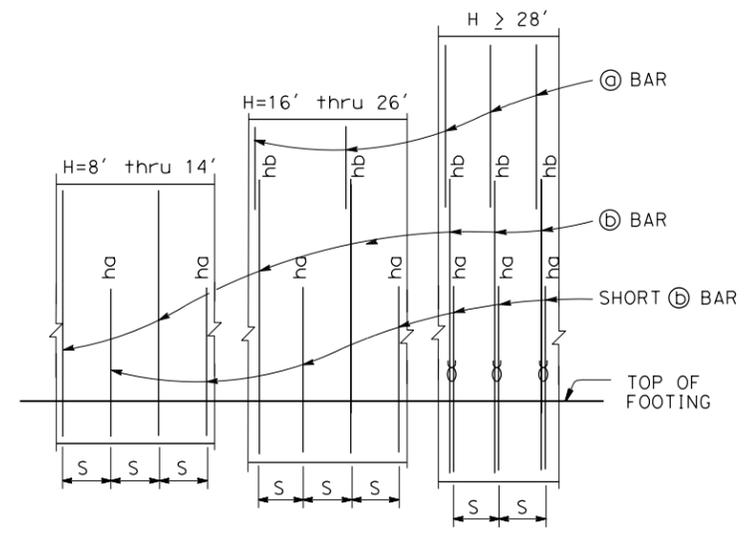


DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
X	X	X	X	X	X

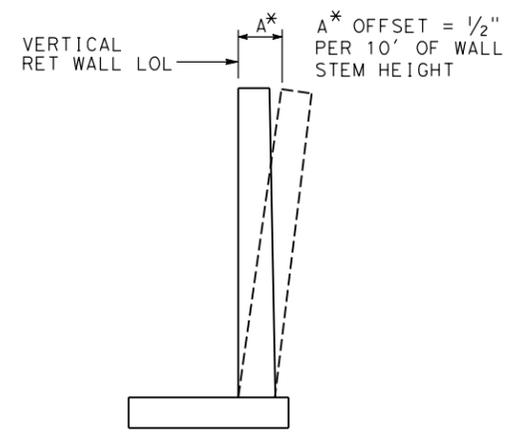
REGISTERED CIVIL ENGINEER	X	DATE
PLANS APPROVAL DATE		

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 @ bars indicate distance from top of footing to upper end of @ bars, see table.
"S" is @ bar spacing, see table.



WALL OFFSET
No Scale

Values for offsetting forms to be determined by the Engineer.

DESIGN DATA

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

WS: 33 psf on Sound wall and Barrier
 LS: Varied surcharge on level ground surface
 CT: 54 kip maximum traffic impact loading evenly distributed over 10 feet at top of the barrier and 1:1 distribution down and outward

EQE: Mononabe-Okabe Method
 $K_h = 0.3$
 $K_v = 0.0$

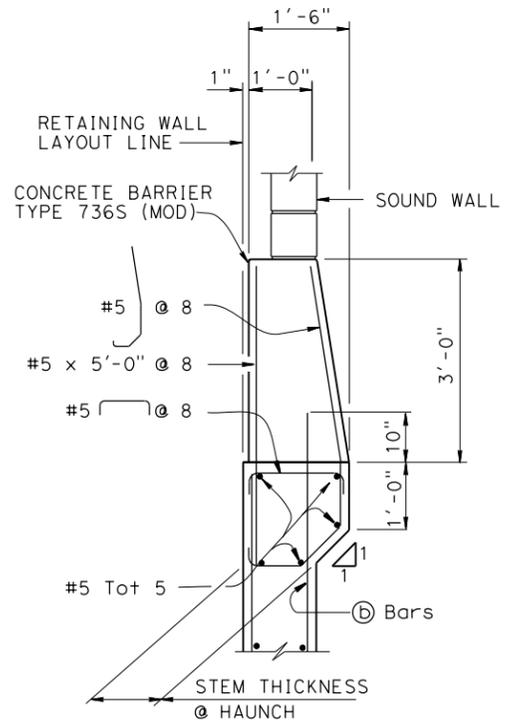
Soil: $\phi = 34^\circ$
 $\gamma = 120$ pcf

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

Load Combinations and Limit States

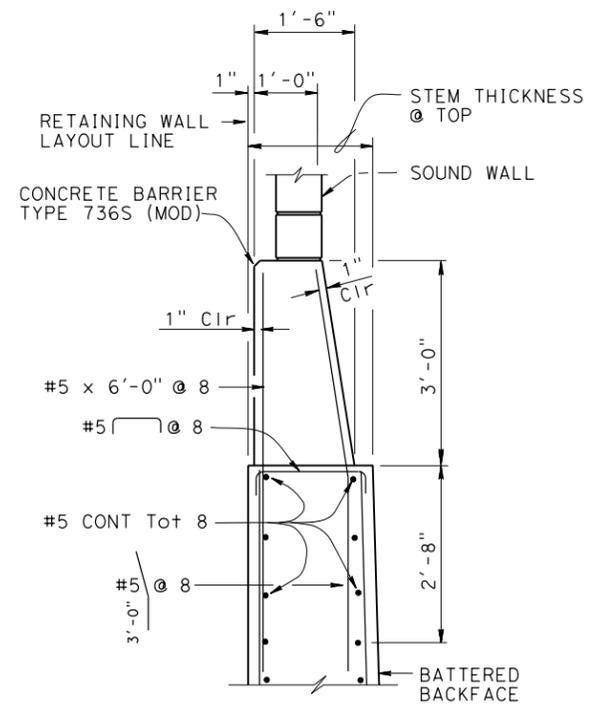
Service I $Q=1.00DC+1.00EV+1.00EH+1.00LS+0.30WS+Td$
 Service II $Q=1.00DC+1.00EV+1.00EH+1.00WS+Td$
 Strength I $Q=aDC+\beta EV+1.50EH+1.75LS+Td$
 Strength III $Q=aDC+\beta EV+1.50EH+1.40WS+Td$
 Strength V $Q=aDC+\beta EV+1.50EH+1.35LS+0.40WS+Td$
 Extreme I $Q=1.00DC+1.00EV+1.00EH+1.00EQD+1.00EQE+Td$
 Extreme II $Q=1.00DC+1.00EV+1.00EH+1.00CT+Td$

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
 CT: Vehicular Collision Force
 Td: Anchor Design Load



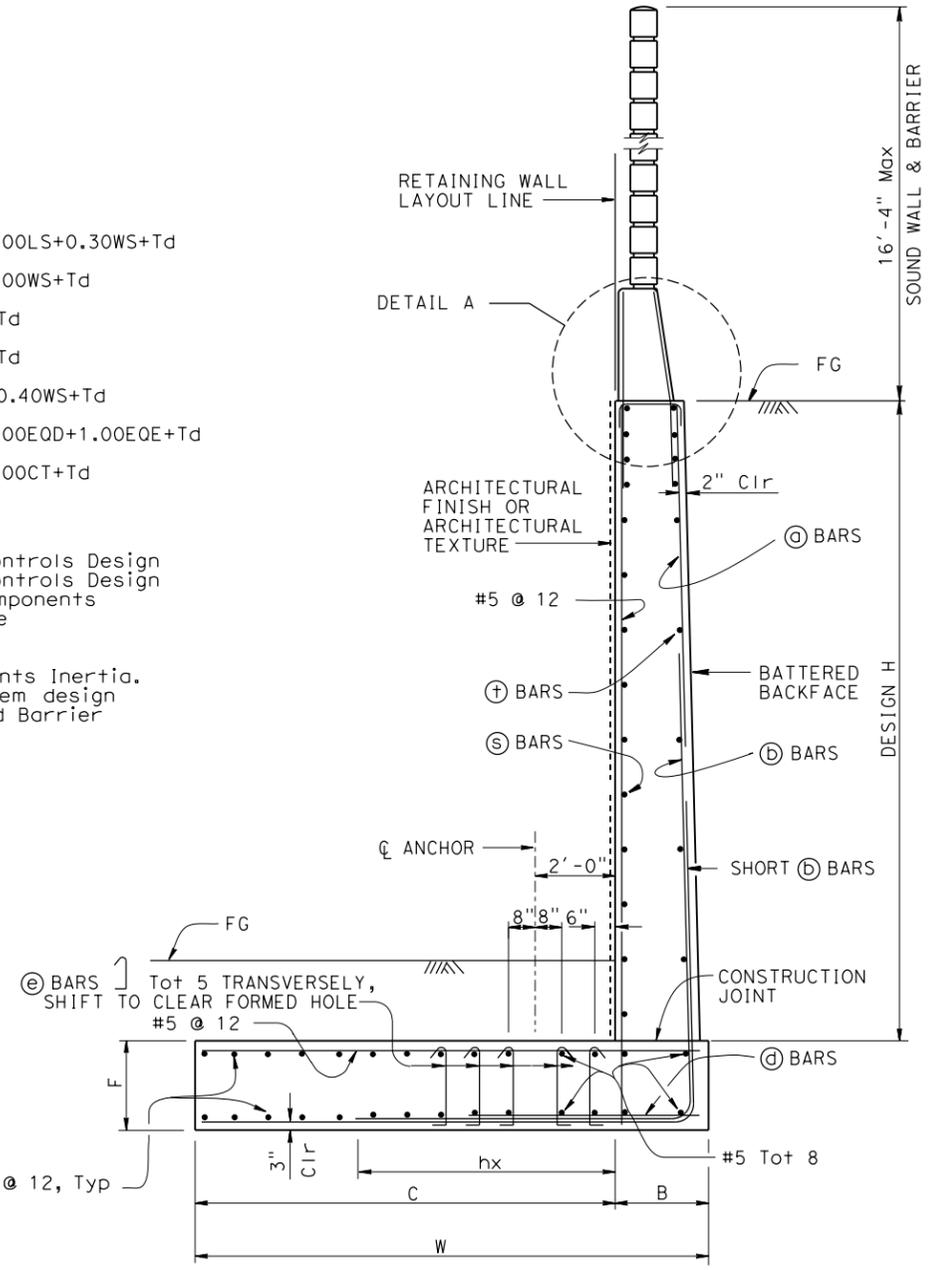
DETAIL A - WITH HAUNCH
No Scale

For Details not shown, see "DETAIL A - WITHOUT HAUNCH"



DETAIL A - WITHOUT HAUNCH
No Scale

- NOTES:
- For Sound wall and Retaining wall Architectural finish or texture see Details elsewhere in Project Plans
 - For Details not shown and Drainage Notes see (3-5)
 - Footing cover, 2'-0" minimum.
 - For Sound wall and barrier reinforcement details, see "SOUND WALL - MASONRY BLOCK WITH BARRIER ON RETAINING WALL" sheet.
 - For H=6' through 14', extend @ bars into Barrier for stem with haunch.
 - Shift @ bars and @ bars as required to clear formed hole for ground anchor.
 - Footing is designed to resist 1.33 Td assuming the maximum anchor spacing shown in the table.



SPREAD FOOTING SECTION
No Scale

STANDARD DRAWING	
FILE NO. xs14-390-1	APPROVAL DATE July 2014

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. X	X
		POST MILE X	

REVISION DATES		SHEET	OF
6-19-14		X	X