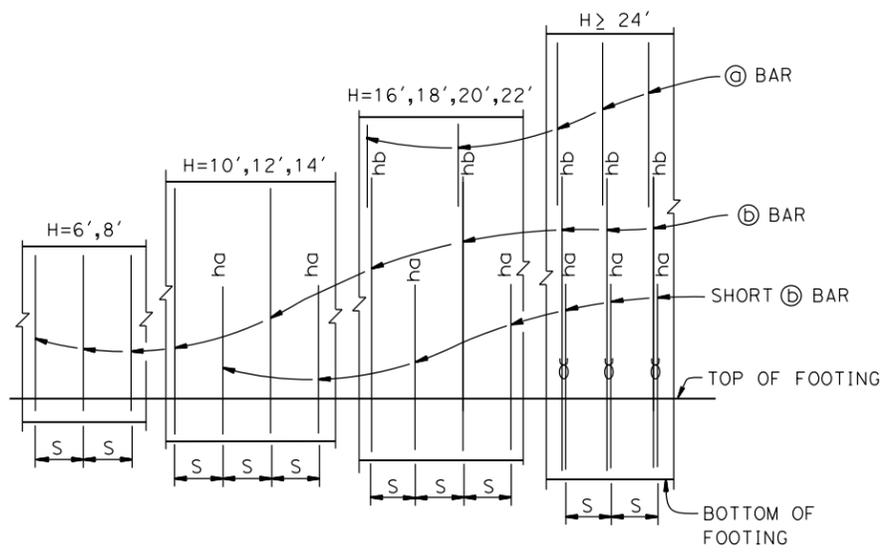


DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
X	X	X	X	X	X

REGISTERED CIVIL ENGINEER	DATE
X	X

PLANS APPROVAL DATE
X

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" and "hb" above ⊙ bars indicate distance from top of footing to upper end of ⊙ bars, see table.
 "S" is ⊙ bar spacing, see table.
 Ø : 2 bar bundle

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

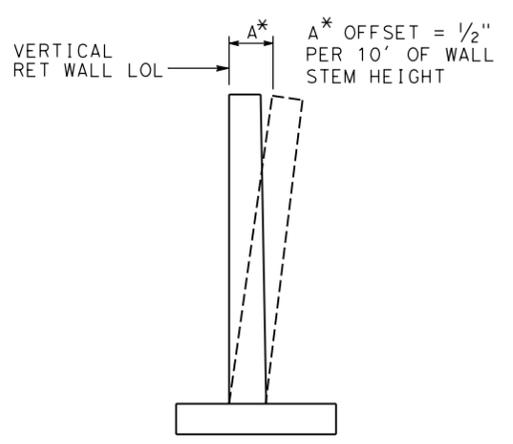
Reinforced Concrete: $f'_c = 3600$ psi
 $f_y = 60,000$ psi

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

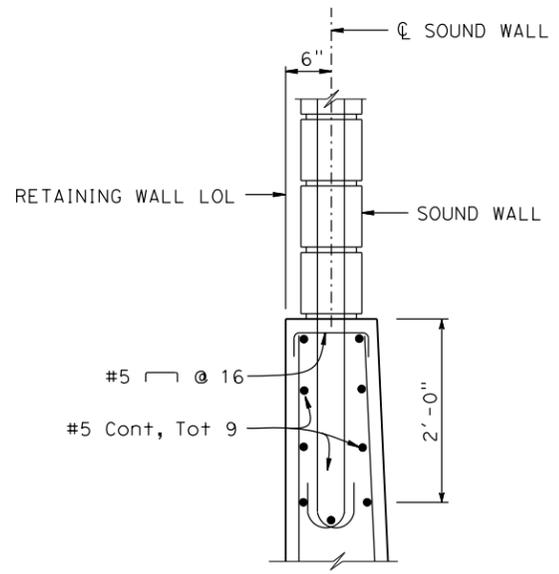
Where:

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



WALL OFFSET

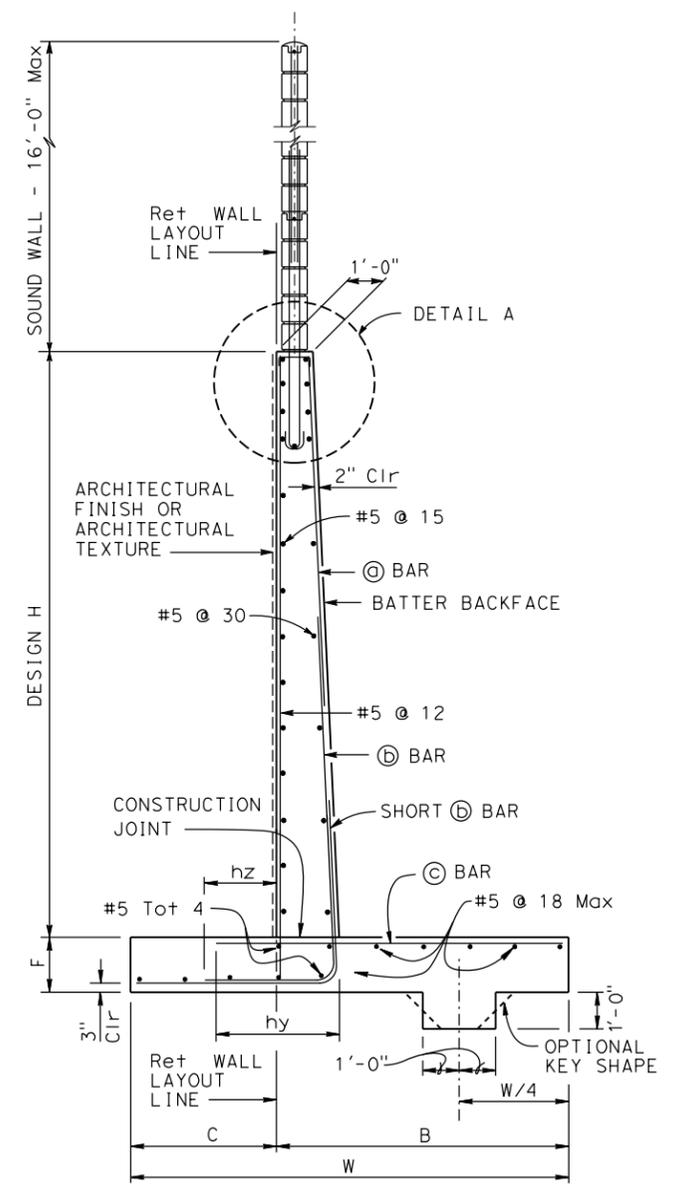
No scale
 Values for offsetting forms to be determined by the engineer



DETAIL A

1" = 1'-0"

- 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 (B3-5)
 - Footing cover, 1'-6" minimum.
 - For sound wall reinforcement, see "SOUND WALL - MASONRY BLOCK ON RETAINING WALL" sheet.



SPREAD FOOTING SECTION

No Scale

STANDARD DRAWING
FILE NO. xs14-210-1
APPROVAL DATE July 2014

STATE OF CALIFORNIA	DIVISION OF ENGINEERING SERVICES
DEPARTMENT OF TRANSPORTATION	

BRIDGE NO. X	RETAINING WALL TYPE 1SW-DETAILS No. 1
POST MILE X	