

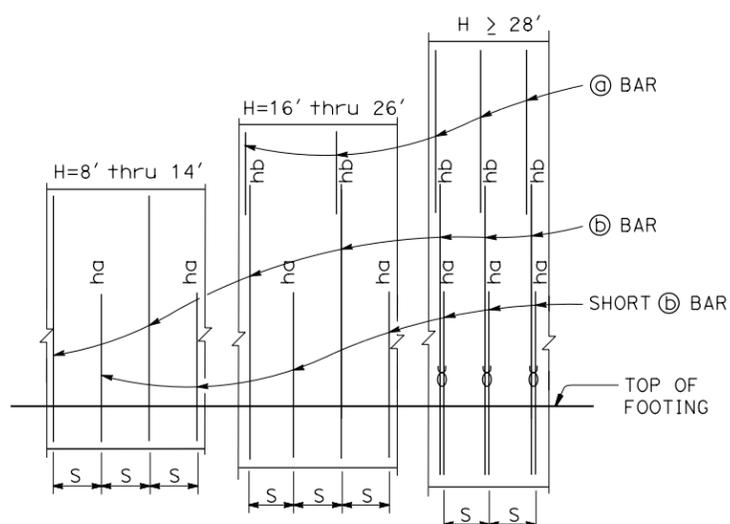
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
X	X	X	X	X	X

REGISTERED CIVIL ENGINEER	DATE
X	

PLANS APPROVAL DATE
No. X
Exp. X
CIVIL

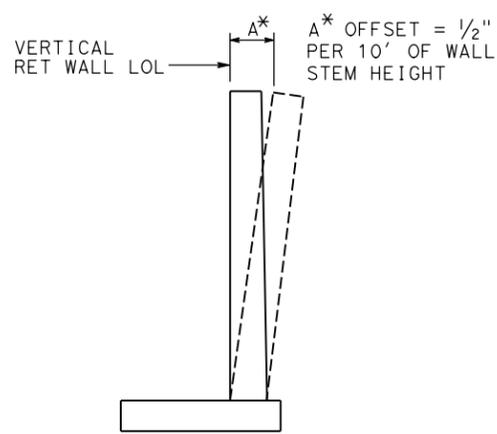
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The Registered Civil Engineer for the project is responsible for the selection and proper application of the component design and any modifications shown.



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

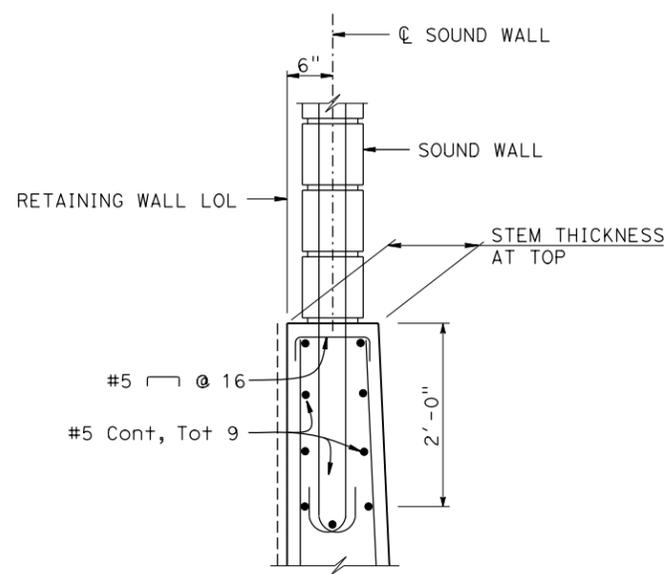
DESIGN DATA

Design: AASHTO LRFD Bridge Design Specifications, 4th edition with California Amendments
 WS: 33 psf on Sound wall
 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

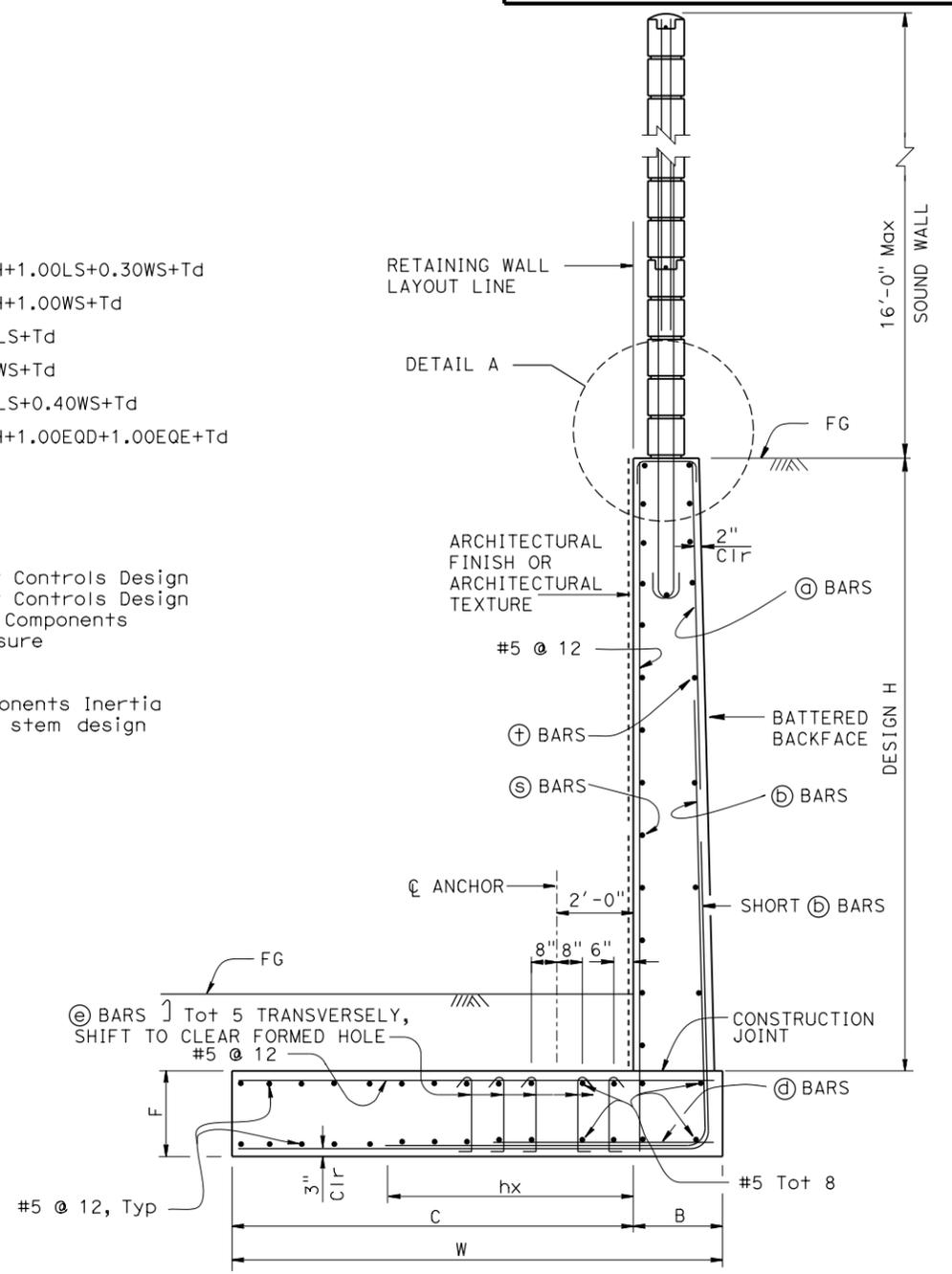
- Service I $Q = 1.00DC + 1.00EV + 1.00EH + 1.00LS + 0.30WS + T_d$
- Service II $Q = 1.00DC + 1.00EV + 1.00EH + 1.00WS + T_d$
- Strength I $Q = aDC + \beta EV + 1.50EH + 1.75LS + T_d$
- Strength III $Q = aDC + \beta EV + 1.50EH + 1.40WS + T_d$
- Strength V $Q = aDC + \beta EV + 1.50EH + 1.35LS + 0.40WS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

Where: Q: Force Effects
 a: 1.25 or 0.90, which ever Controls Design
 β: 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
 Td: Anchor Design Load



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). Substitution of geocomposite drain for pervious backfill material is not permitted.
 - Footing cover, 2'-0" minimum.
 - For Sound wall reinforcement details, see "SOUND WALL - MASONRY BLOCK ON RETAINING WALL" sheet.
 - 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