NOTES:

"Top" and "bottom" above @ bars indicate distance from top of footing to upper end of @ bars, see table.

@ bar spacing, see table.
@ 2 bar bundle

REFERENCES:

Design ASHPE LRFD Bridge Design Specifications, 8th edition with California Amendments
WS = 35 psf on sound wall
LS = Varied surcharge on level ground surface
E QE: Mononobe-Oka Breth Method
K = 0.3
K = 0 (0)

Soil:
Concrete:
fy = 60,000 psi
f'c = 3600 psi

Load Combinations and Limit States

Where:

Q = 1.00 DC + 1.00 EV + 1.00 EH + 1.00 EQD + 1.00 EQE
Q = a DC + BEV + 1.50 EH + 1.35 LS + 0.40 WS
Q = a DC + BEV + 1.50 EH + 1.40 WS
Q = a DC + BEV + 1.50 EH + 1.75 LS
Q = 1.00 DC + 1.00 EV + 1.00 EH + 1.00 WS
Q = 1.00 DC + 1.00 EV + 1.00 EH + 1.00 LS + 0.30 WS

ELEVATION

SOUND WALL

VERTICAL KEY WALL

RETAILING WALL

DETAIL A

SOUND WALL

NOTES:

1. For sound wall and retaining wall architectural finish or texture, see details elsewhere in Project Plans.
2. For details not shown and drainage notes, see "MASONRY BLOCK ON RETAINING WALL" sheet.
3. Footing cover, 1'-6" minimum.
4. For sound wall reinforcement, see "SOUND WALL - 16'-0" MASONRY BLOCK ON RETAINING WALL" sheet.

MASONRY BLOCK ON RETAINING WALL