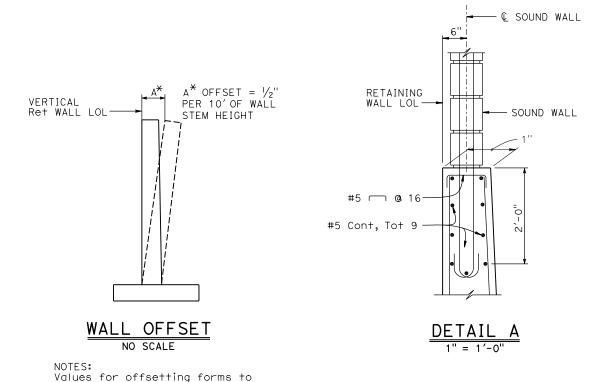


ELEVATION

NOTES:

be determined by the Engineer

"ha" and "hb" above (b) bars indicate distance from top of footing to upper end of (b) bars, see table on Details No. 2 sheet. "S" is @ and @ bar spacing, see table on Details No. 2 sheet. X: 2 bar bundle



GENERAL NOTES LOAD AND RESISTANCE FACTOR DESIGN

Design: AASHTO LRFD Bridge Design Specifications, 8th edition with California Amendments, Preface dated April 2019.

WS: Wind perpendicular to plane of sound barrier.

Exposure Category D.

LS: Variable live load surcharge on level ground surface

Stem Architectural Treatment of thickness DC:

up to 2" of concrete

Seismic: $K_h = 0.3$ $K_{V} = 0.0$

Backfill Soil: $\emptyset = 34^{\circ} \gamma = 120 \text{ pcf}$

Foundation Soil (for footing bottom friction): $\emptyset = 32^{\circ}$

Reinforced

Concrete: f'c = 3600 psify = 60,000 psi

Load Combinations and Limit States

Service I Q=1.00DC+1.00EV+1.00EH+1.00LS+1.00WS

Q=aDC+BEV+ηEH+1.75LS Strength I Strength III Q=aDC+BEV+1.50EH+1.00WS

Strength V Q=aDC+BEV+1.50EH+1.35LS+1.00WS

Q=1.00DC+1.00EV+1.00EH+1.00EQD+1.00EQE Extreme I

Where:

Q: Force Effects

1.25 or 0.90, Whichever Controls Design a: 1.35 or 1.00, Whichever Controls Design 0.9 or 1.5, Whichever Controls Design η:

Dead Load of Structural Components

Horizontal Earth Pressure EV: Vertical Earth Fill Pressure

LS: Live Load Surcharge

EQE: Seismic Earth Pressure

Soil and Structural Components Inertia Soil inertia ignored for stem design

WS: Wind Load on Sound Wall and Barrier

NOTES:

- For sound wall and retaining wall Architectural Treament, see details elsewhere in Project Plans.
- 2. For details not shown and drainage notes, see Standard Plans B0-3, B3-5 & B3-6.
- 3. Footing cover, 1'-6" minimum.
- 4. For sound wall reinforcement details, see xs15-120-1 and xs15-120-2.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS					
REGISTERED CIVIL ENGINEER DATE PROFESSIONAL REGISTERED CIVIL ENGINEER DATE REGISTERED CIVIL ENGINEER REGISTERED CIVIL ENGINEER										
PLANS APPROVAL DATE										
SHALL	THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.									
			HE PROJECT IS RESPONSIBLE ONENT DESIGN AND ANY MOD							

Ret WALL LAYOUT LINE -#5 @ 12 FOR H≤26′ #6 @ 12 FOR H≥28′ ARCHITECTURAL TREATMENT (a) BAR #4 @ 12 FOR H\\22' #5 @ 12 FOR H\\24' - BATTER BACKFACE

BAR

-SHORT (D) BAR JOINT #5 @ 18 FOR H<12' #5 @ 12 FOR H=14'TO 24' #6 @ 12 FOR H\26' · © BAR #5 To+ 4 3" C|r Ret WALL ─ OPTIONAL LAYOUT KEY SHAPE LINE W/4

CONSTRUCTION

DESIGN

SPREAD FOOTING SECTION NO SCALE

BRIDGE STANDARD DETAILS			STATE OF		BRIDGE No.	<u>, </u>					
	the Bridge Standard	,	CALIFORNIA	DIVISION OF ENGINEERING SERVICES	XX-XXXX	^					
responsible charge	of the Technical Owner,		CALIFORNIA		POST MILE	DETAININ/	IO WALL TVD	- 4 <i>(</i>	40W DETAIL (
FILE NO. APPROVAL DATE a registered civil of California	engineer in the State	ĮD	DEPARTMENT OF TRANSPORTATION		×.×	RETAINI	NG WALL TYP	E 15	>W-DEIAI	T2 M	0.
Refer to: http://www.dot.ca.gov/hq/esc/techpubs/manual/		DATE PLOTTED => 8-MAR-2022 TIME PLOTTED => 10:37 ORIGINAL SCALE		UNIT: XXXX	COUNTY/ROUTE: XXX/XXX		DISREGARD PRINTS BEARING		REVISION DATES	SHEET	OF
bridgemanuals/bridge-standard-detail-sheets/index.html		FILE => 20220107_xs_14-210-1.dgn		PROJECT NUMBER & PHASE: XXXXXXXXXXX		RACT No.: XX-XXXXX4 EARLIER REVISION DATES				X	X