Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER — X — DATE

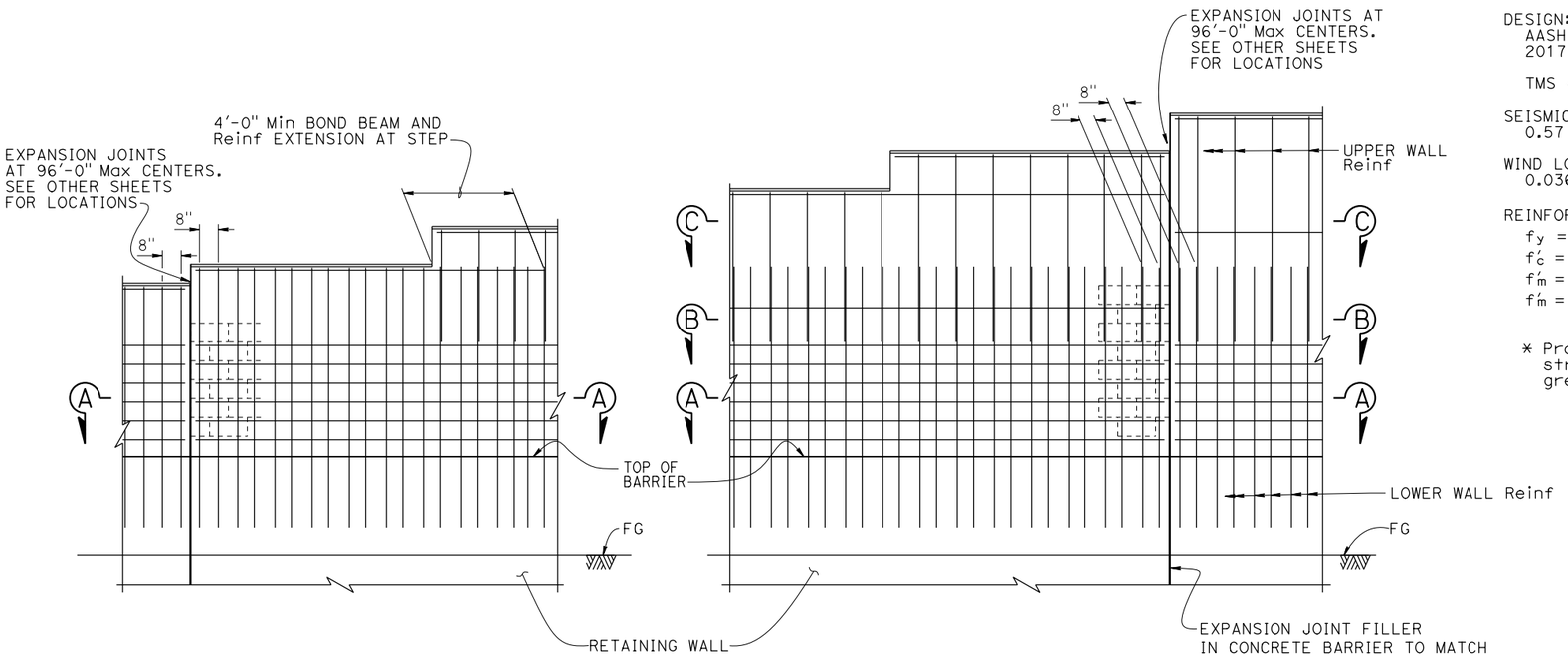
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — X — No. X — Exp. X — CIVIL — STATE OF CALIFORNIA

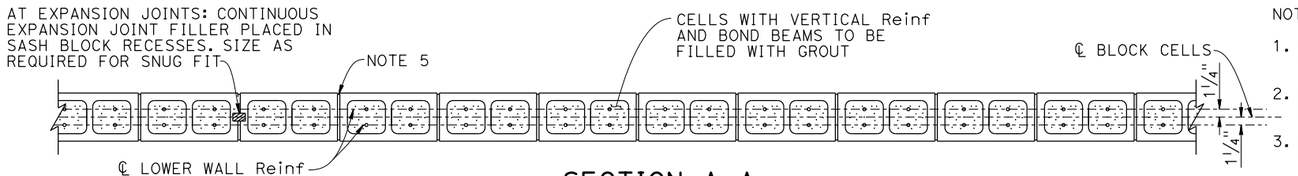
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

THE REGISTERED CIVIL ENGINEER FOR THE PROJECT IS RESPONSIBLE FOR THE SELECTION AND PROPER APPLICATION OF THE COMPONENT DESIGN AND ANY MODIFICATIONS SHOWN.

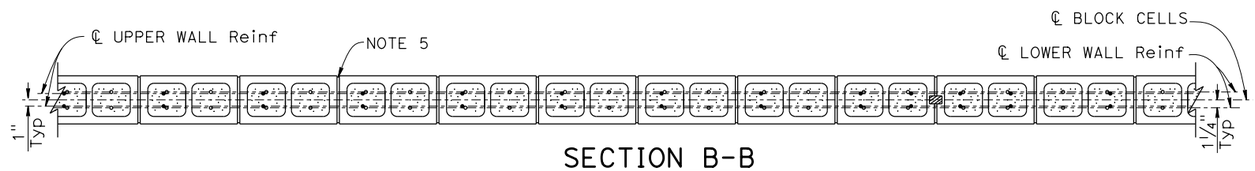
LEGEND:
CMU - Concrete Masonry Unit



PART ELEVATION

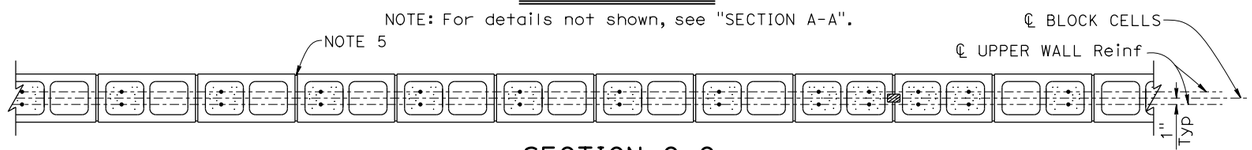


SECTION A-A



SECTION B-B

NOTE: For details not shown, see "SECTION A-A".



SECTION C-C

NOTE: For details not shown, see "SECTION A-A".

GENERAL NOTES
LOAD AND RESISTANCE FACTOR DESIGN

DESIGN:
AASHTO LRFD Bridge Design Specifications, 2017 edition with California Amendments

TMS 402-16, 2019 California Building Code

SEISMIC LOADING:
0.57 x Dead load

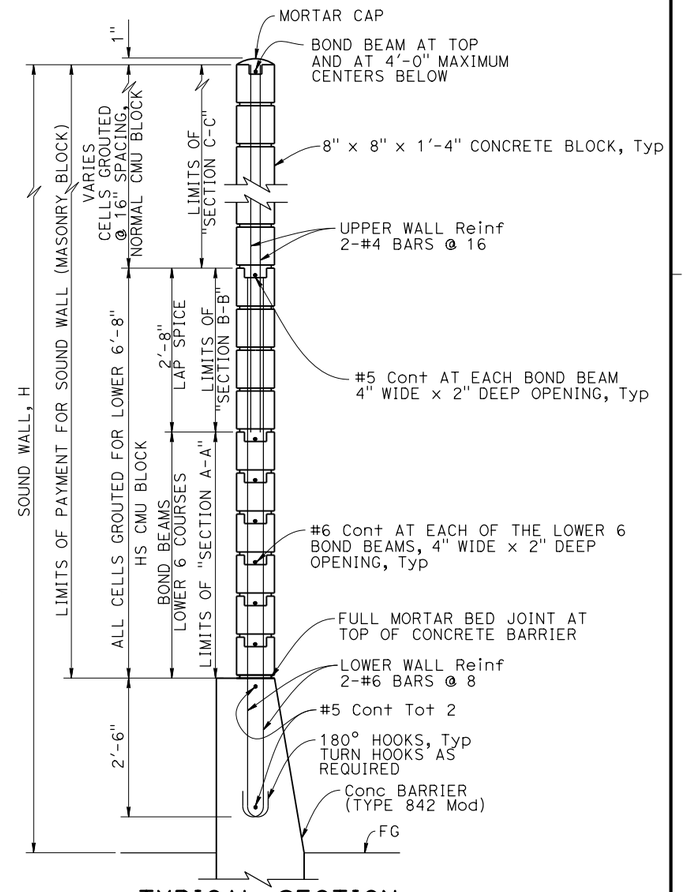
WIND LOADING:
0.0365 ksf

REINFORCED CONCRETE:
f_y = 60 ksi
f'_c = 3.6 ksi
f'_m = 2 ksi *
f'_m = 2.5 ksi for high-strength block *

* Provide materials to achieve the net compressive strength of concrete masonry unit equal to or greater than specified f'_m.

NOTES:

1. Slope ground at traffic side of barrier to drain. Maximum slope ±10%.
2. For sound wall details not shown, see Standard Plan B15-9.
3. For type of block and joint finish, see other sheets.
4. When blocks are laid in stacked bond, ladder type, galvanized joint reinforcement shall be provided. Galvanized joint reinforcement must be a minimum of two continuous W9 wires at 4'-0" maximum spacing. Locate reinforcement in joints that are at the approximate midpoint between bond beams.
5. Horizontal joints shall be tooled concave or weathered. Vertical joints shall be tooled concave or raked.
6. Minimum wall height shall be H = 9'-6". Maximum wall height shall be H = 16'-2".



TYPICAL SECTION

NO SCALE

BRIDGE STANDARD DETAILS		
xs15-130-1 (FILE NO.)	October 2024 (APPROVAL DATE)	*The components of the Bridge Standard Details have been prepared under the responsible charge of the Technical Owner, a registered civil engineer in the State of California*

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

BRIDGE No. XX-XXXX
POST MILE X.X

X

SOUND WALL MASONRY BLOCK WITH BARRIER ON RETAINING WALL DETAILS No. 1

Refer to: http://www.dot.ca.gov/hq/esc/techpubs/manual/bridgemanuals/bridge-standard-detail-sheets/index.html

DATE PLOTTED => 14-OCT-2024 TIME PLOTTED => 12:16
FILE => xs15-130-1.dgn USERNAME => s147461
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: XXXX COUNTY/ROUTE/ZONE: XXX/XXX/X
PROJECT NUMBER & PHASE: XXXXXXXXXX1 CONTRACT No.: XX-XXXXX4

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES					SHEET	OF
					X	X