Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
DDDD	CCCC	RRRR	PPPP	????	####

REGISTERED CIVIL ENGINEER X DATE

MM/DD/YYYY
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.

GENERAL NOTES
LOAD AND RESISTANCE FACTOR DESIGN

DESIGN:
AASHTO LRFD Bridge Design Specifications,
8th edition 2017 with California Amendment,
Preface date April 2019.
TMS 402-16.
2019 California Building Code.

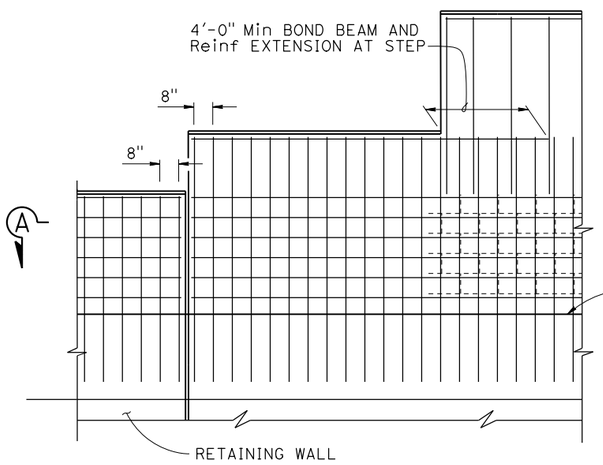
DESIGN SEISMIC LOAD:
2.0 Dead load

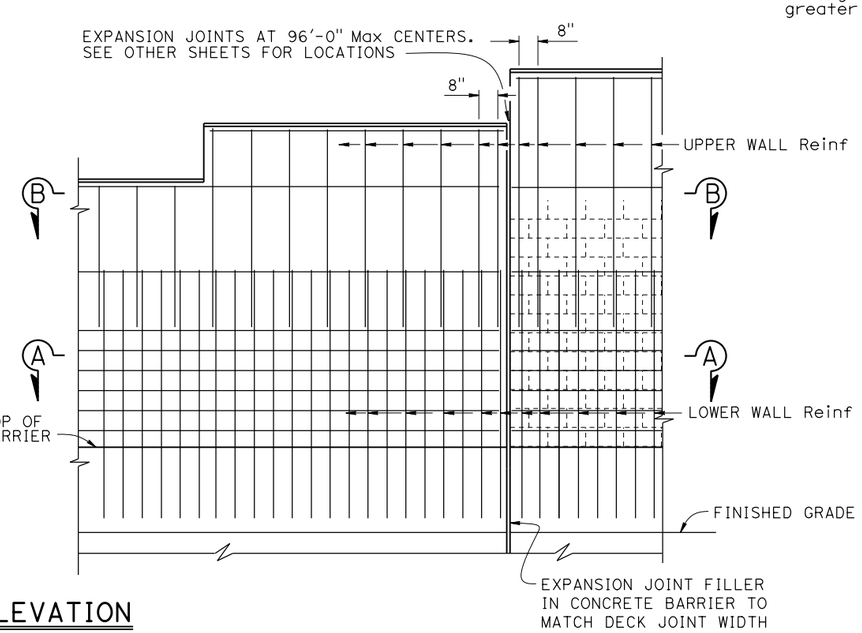
DESIGN WIND LOAD:
40.7 psf

DESIGN IMPACT LOAD:
TL-4

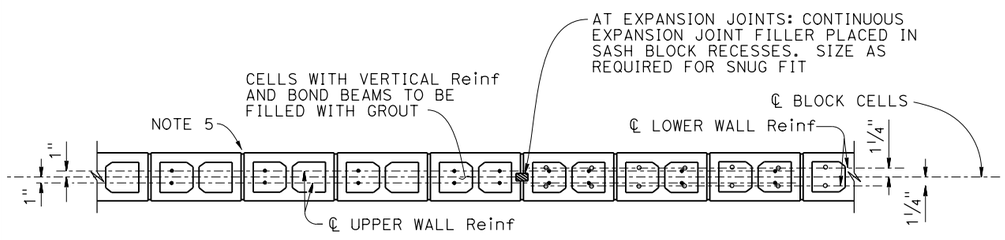
REINFORCED CONCRETE:
f'_c = 3600 psi
f'_y = 60 ksi
f'_m = 2500 psi for high-strength block *

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





PART ELEVATION
NO SCALE

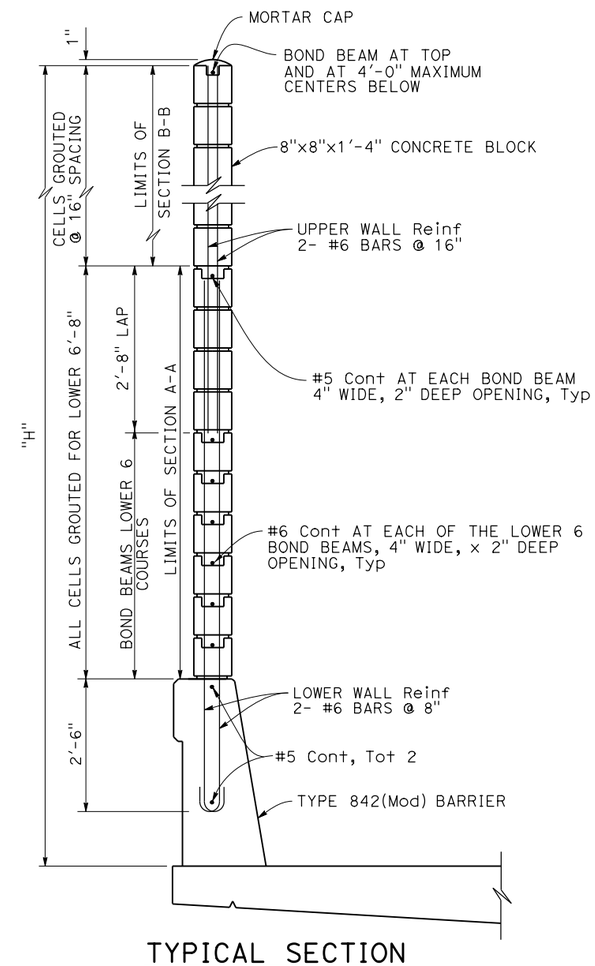


SECTION B-B
NO SCALE

SECTION A-A
NO SCALE

NOTES:

1. Slope ground at traffic side of barrier to drain. Maximum slope ±10%
2. See Standard Plans B15-9, "SOUND WALL MASONRY BLOCK MISCELLANEOUS DETAILS", for other details.
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. A minimum of 2-9 gauge wire continuous at 4'-0" maximum to be used. Locate reinforcement in joints that are at the approximate midpoint between bond beams.
5. Horizontal joints shall be tooled concave or may be weathered. Vertical joints shall be tooled concave or may be raked.
6. Minimum wall height shall be H=9'-6". Maximum wall height shall be H=16'-2".
7. All concrete masonry block are high-strength blocks.



TYPICAL SECTION
NO SCALE

BRIDGE STANDARD DETAILS

xs15-140-1	April 2020	*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*
FILE NO.	APPROVAL DATE	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

BRIDGE No. X
POST MILE X

SOUND WALL MASONRY BLOCK ON BRIDGE
DETAILS No.1

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

DATE PLOTTED => 14-APR-2020 TIME PLOTTED => 14:41
FILE => xs15-140-1.dgn USERNAME => s136236
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: X
PROJECT NUMBER & PHASE: X
CONTRACT No.: X

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES: ~~09/25/19~~ 4-14-20 ~~02/21/20~~

SHEET 1 OF 3