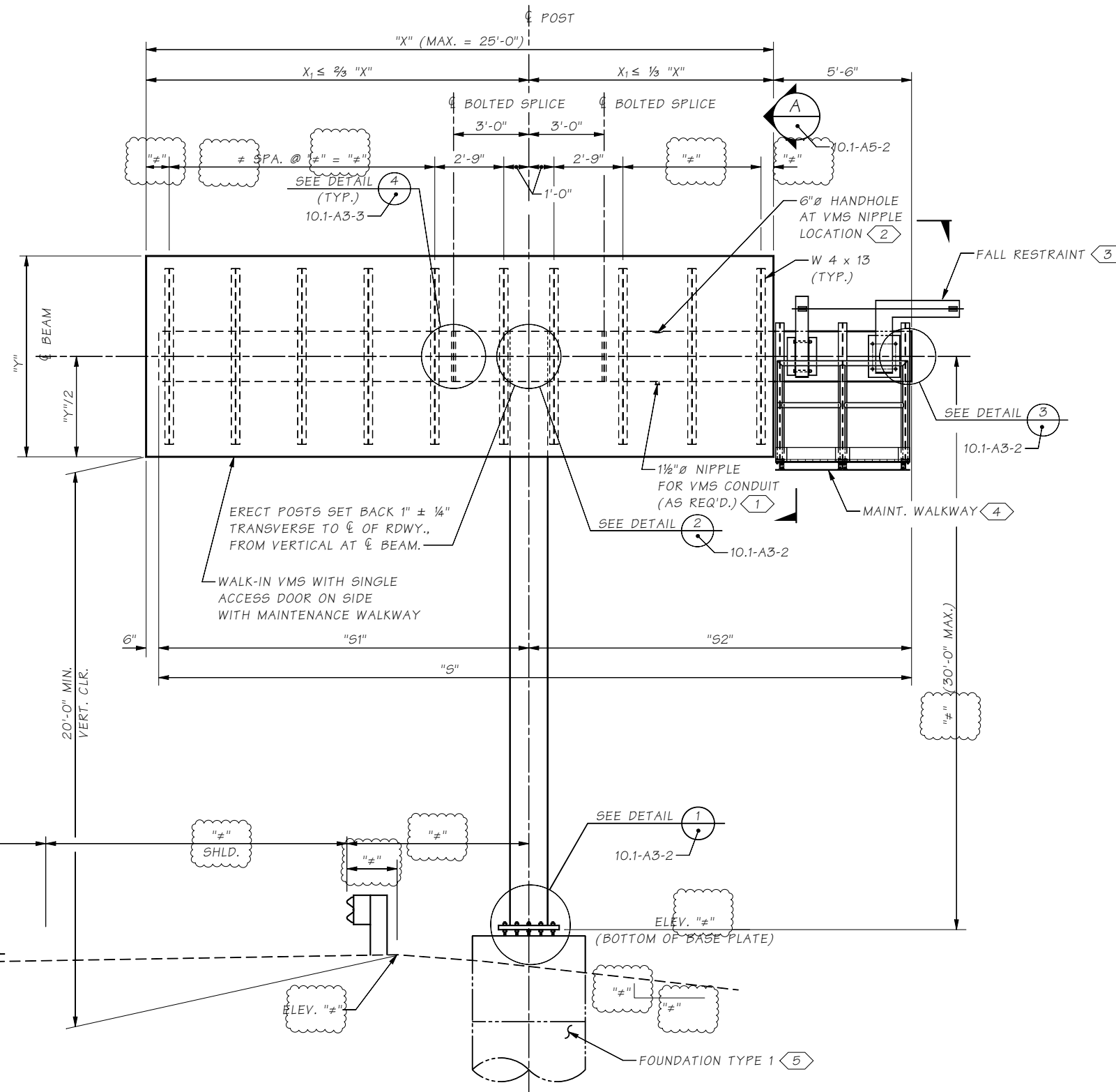


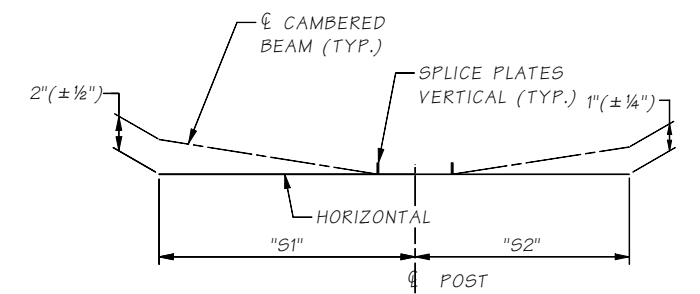
Last revised on : 01/21/2021

SR JOB NO. 10.1-A3-1 SHEET



ELEVATION

BALANCED CANTILEVER # _ STA. _____ RT./LT.
 THE MAXIMUM SIGN AREA ON THIS STRUCTURE SHALL
 BE 252 SQ. FT.



BEAM CAMBER DIAGRAM

notes to the designer

camber and tolerance values shown are for "S1" = 20' and "S2" = 10'

use interpolation to determine camber and tolerance values, based on actual span length.

walk in vms with single access door is shown. for vms with two doors, maint. walkways are required at each door. fall restraint is only required at main walkway used for primary access.

verify that attachment brackets do not interfere with handholes, drain holes, nema 3 boxes, nipples etc.

delete all lights and electrical details, callouts & notes if no electrical items required on the sign structure.

existing roadway lines dashed and new roadway is solid.

remove notes that are not applicable.

verify nipple locations w/region.

camber shall be adjusted to account for beam length on both sides

"#" is shown where dimensions are required.

modified fall restraint support shall be changed to standard support for smaller vms signs.

NOTES:

- 1 CONTRACTOR TO VERIFY NIPPLE LOCATION TO MATCH VMS FIXTURE CONDUIT LOCATIONS, PRIOR TO SIGN STRUCTURE FABRICATION. NO FIELD WELDING OR DRILLING SHALL BE PERMITTED.
- 2 HANDHOLE IS ONLY REQUIRED IF NIPPLE LOCATION IS GREATER THAN 1'-6" FROM ANOTHER HAND HOLE LOCATION.
- 3 SEE STD. PLAN G-95.20 FOR DETAILS EXCEPT AS NOTED IN "MODIFIED FALL RESTRAINT BRACKET DETAIL" ON BR. SHT. 10.1-A5-2.
- 4 SEE STD. PLAN G-95.20 FOR DETAILS
- 5 SEE BR. SHT. 10.1-A4-1 (FOUNDATION TYPE 2 OR 3 SEE BR. SHT. 10.1-A4-3 NOT SHOWN)

Bridge Design Engr.	M:\STANDARDS\Sign Bridges\MT_CANT_T_LO.MAN				
Supervisor					
Designed By					
Checked By					
Detailed By					
Bridge Projects Engr.					
Prelim. Plan By					
Architect/Specialist	DATE	REVISION	BY	APPD	

BRIDGE AND STRUCTURES OFFICE



STANDARD MONOTUBE SIGN STRUCTURES

MONOTUBE BALANCED CANTILEVER LAYOUT

BRIDGE SHEET NO.
SHEET
OF
SHEETS