

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.

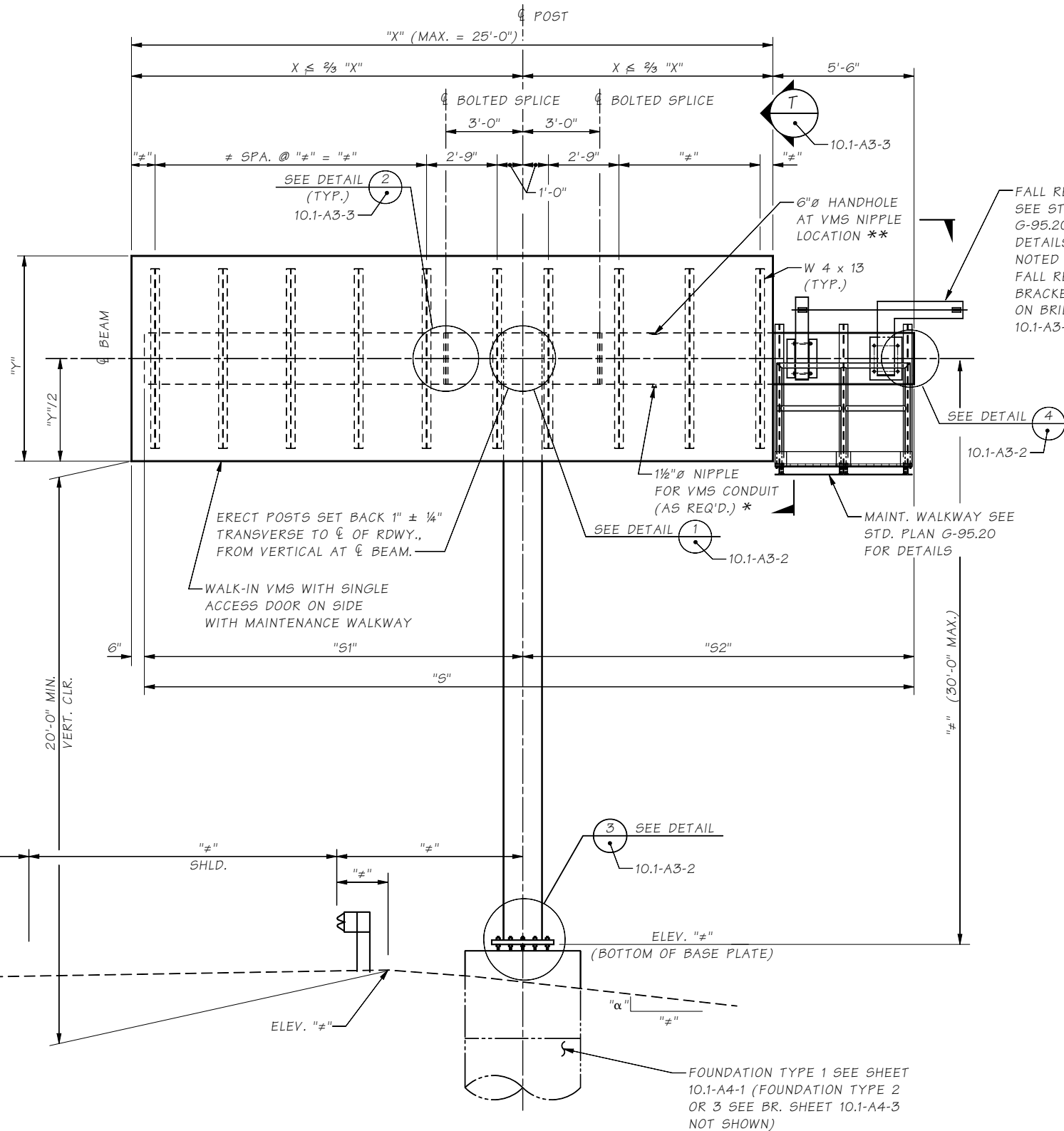
remove notes that are not applicable.

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.

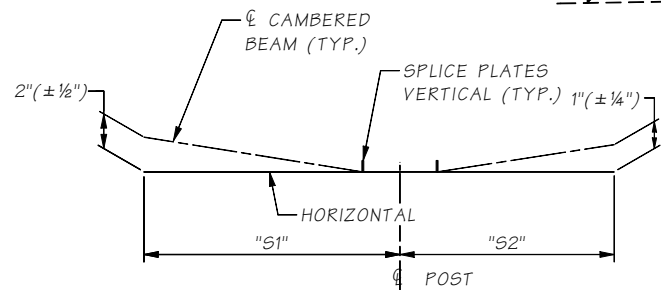


ELEVATION

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

* CONTRACTOR TO VERIFY NIPPLE LOCATION TO MATCH VMS FIXTURE CONDUIT LOCATIONS, PRIOR TO SIGN STRUCTURE FABRICATION. NO FIELD WELDING OR DRILLING SHALL BE PERMITTED.

** HANDHOLE IS ONLY REQUIRED IF NIPPLE LOCATION IS GREATER THAN 1'-6" FROM ANOTHER HAND HOLE LOCATION.



BEAM CAMBER DIAGRAM

Last revised on : 11/25/2014

JOB NO. 10.1-A3-1

Bridge Design Engr.	M:\STANDARDS\Sign Bridges\MT_CANT_T_LO.MAN				
Supervisor			REGION NO.	STATE	FED. AID PROJ. NO.
Designed By			10	WASH.	
Checked By			JOB NUMBER		
Detailed By					
Bridge Projects Engr.					
Prelim. Plan By					
Architect/Specialist	DATE	REVISION	BY	APP'D	

BRIDGE AND STRUCTURES OFFICE



STANDARD MONOTUBE SIGN STRUCTURES

MONOTUBE CANTILEVER LAYOUT