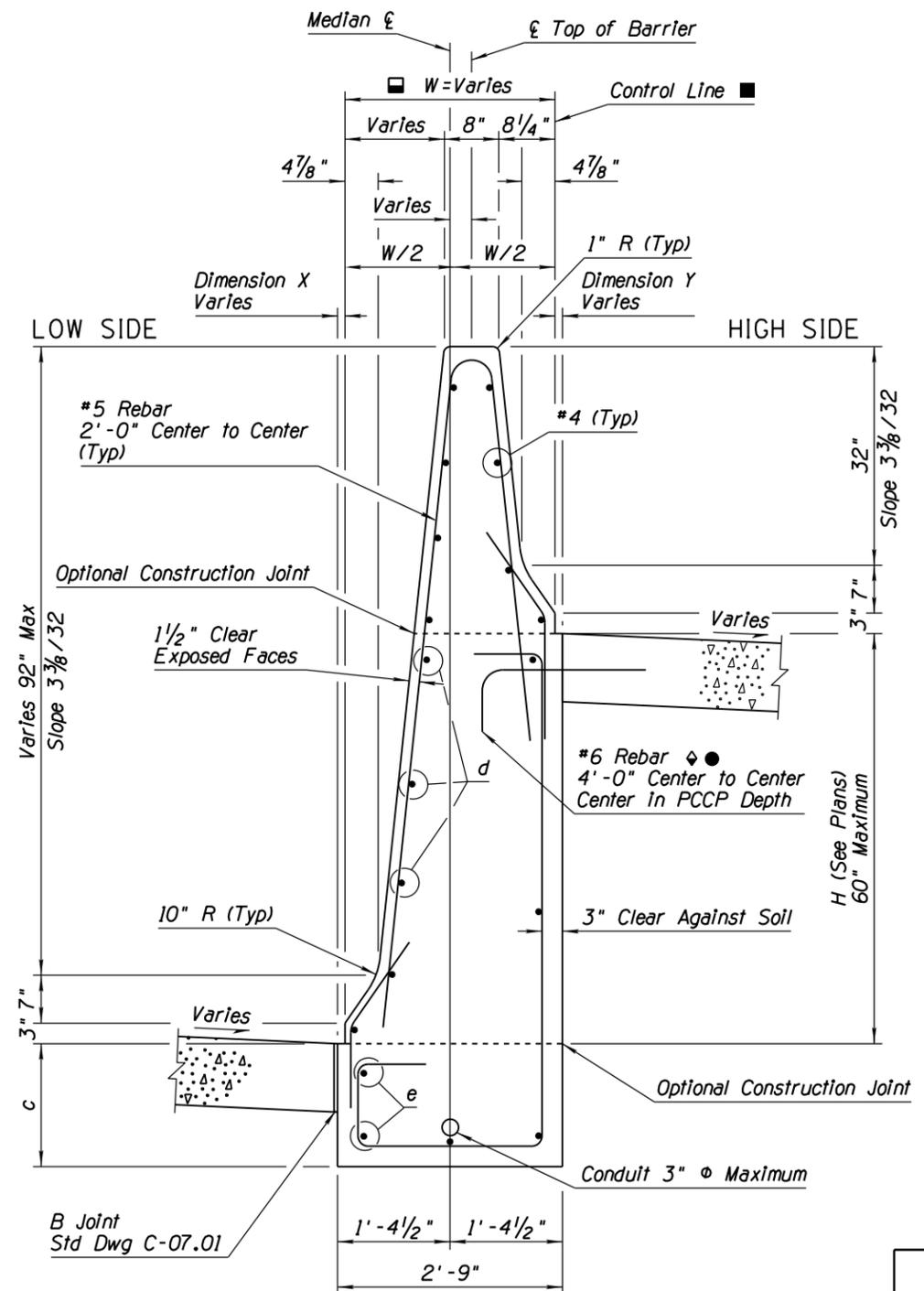
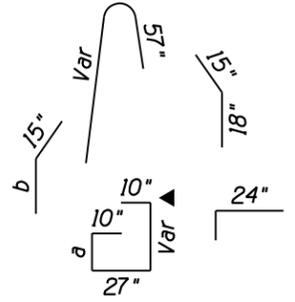


Note to Designer: The information presented in this Standard Drawing has been prepared in accordance with recognized engineering principles and is for general use. It should not be used for specific application without competent professional examination and verification of its suitability and applicability by a licensed professional engineer. Contents within the inner border line shall not be altered.

PRIOR DISTRIBUTION DATE



SECTION SLOPED FACE ALTERNATIVE



Dimension H	26" to 36"	36" to 48"	48" to 60"
Bend Dimension a	7"	7"	13"
Bend Dimension b	12"	12"	18"
Dimension c	12"	12"	18"
Number of bars d ●	1	2	3
Number of bars e ●	1	1	2

GENERAL NOTES

- Design Specifications- AASHTO LRFD Design Specifications, 4th Edition, 2007.
- Barrier concrete shall be Class 'S' ( $f'_c=4500$  psi).
- All rebar shall be Grade 60.
- All bends and hooks shall meet the requirements of AASHTO LRFD Article 5.10. All bend dimensions for rebar shall be out-to-out of bars. All placement dimensions shall be to center of bars unless noted otherwise.
- All rebar shall have 2 inch clear cover unless noted otherwise.
- Longitudinal rebar shall extend 12" past the construction joint at the completion of each incremental pour.
- Median Barrier shall be constructed by the slip form or formed cast-in-place methods only.
- Where obstacles prevent slip forming, stationary forms shall be used.
- The terminology 'Low Side' and 'High Side' are used for reference purposes only. The barrier details shall be mirrored if required by the adjacent pavement elevations.
- Backfilling and/or embankment placement on the High Side shall not commence until the PCCP is constructed on the Low Side.
- The Median Barrier has been designed to accommodate a maximum of 2 - 3"  $\phi$  conduits. Locate conduits as required to make connection to pull boxes and appurtenances.
  - ◆ #5 Rebar may be used for  $H = 48"$  to  $60"$ .
  - Rebar shall be cast into PCCP or drilled and epoxied using an approved epoxy adhesive. The embedment shall be sufficient to develop the full yield strength of the rebar, but shall be no less than 12". The length of the rebar shall be adjusted to maintain a minimum of 12" embedment into the barrier.
  - ▲ A lap splice may be introduced into the Var leg of this bar set. The lap splice shall be a minimum of 1'-4".
  - The contractor shall provide Control Line offsets to the Engineer prior to construction of the Median Barrier. The offsets shall be provided at sufficient intervals to control the location of the barrier construction equipment and forms.
  - ▣  $W$  (in) =  $24\frac{1}{2}$  (in) +  $3\frac{3}{8}/32 * H$  (in)  
 Dimension X = Dimension Y =  $1'-4\frac{1}{2}" - W/2$   
 $W/2$  - Bottom faces of Median Barrier shall be equidistant from Median  $\xi$ .
  - Space evenly between adjacent longitudinal rebar.

STANDARDS ENGINEER J. C. COOPER	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION ROADWAY GROUP STANDARD DRAWING	
RECOMMENDED FOR APPROVAL GROUP MANAGER D. R. HENRY	CONCRETE MEDIAN BARRIER 42" TYPE "F" WITH VARIABLE HEIGHT SIDES H = 26" TO 60"	
APPROVED STANDARDS COMMITTEE APPROVED FOR DISTRIBUTION	DATE 12/17	DRAWING NO. C-10.45 Sheet 2 of 2