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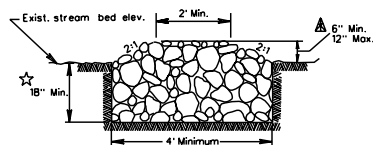
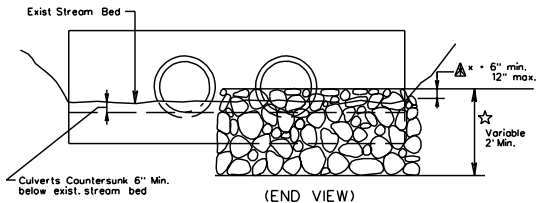
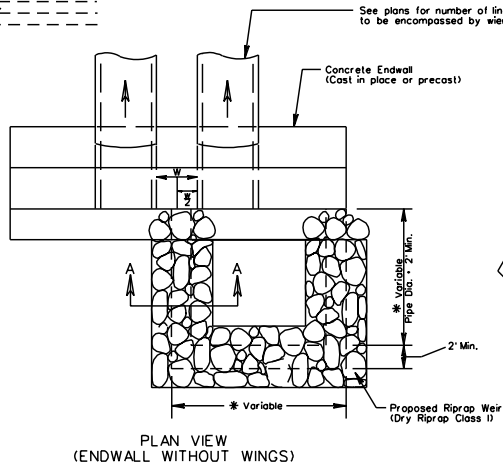
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DESIGNED BY _____



TYPICAL SECTION A-A

RIPRAP WEIRS

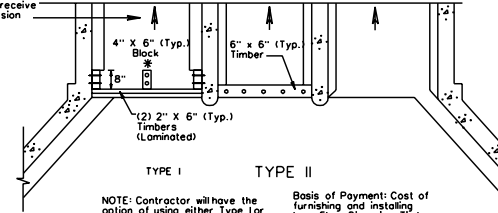
NOTES:

- ① 6" Minimum or 1/2 P.
- * Dimension varies according to pipe size, skew and endwall dimensions
- ☆ Depth of foundation to be variable according to site constraints or as directed by the Engineer.
- ▲ The proposed height of the Riprap Weir, from the existing stream bed to the top of Weir, is to be specified on the roadway plans. "X" dimension (height of Weir above stream bed) can be a minimum of 6" or any variable dimension to a maximum of 12".
- The top width of the Weir is variable and is to be adjusted as needed to direct the low flow to the barrels) designated on the plans.
- Basis of Payment: To be paid for as sq. yds. or tons of Dry Riprap Class I.
- For Skewed Endwalls, Riprap weir sides are to be constructed parallel with pipe skew.

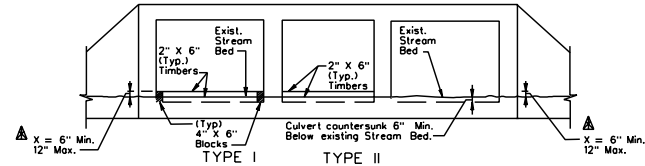
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

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See plans for number of barrels to receive low flow diversion timbers.



Basis of Payment: Cost of furnishing and installing Low Flow Diversion Timbers shall be included in the price bid for the culvert.



TYPE I NOTES:

- * Middle block may be omitted only when span is < 6'. All timbers to be 2" thickness.
- All blocks to be 4" thickness.
- 2" timbers shall be nailed or otherwise laminated together.
- 4" blocks shall be attached to walls or bottom slab using 1/2" anchor bolts w/washer. Bolts shall extend at least 3" into concrete wall or bottom slab.
- 2" timbers shall be nailed or bolted to the 4" blocks.
- Box haunches shall be cut back as necessary to allow installation of low flow diversion timbers.
- All timbers and blocks are to be untreated.

TYPE II NOTES:

- 6" timbers shall be attached to the bottom slab using 1/2" anchor bolts w/washer 8' 1'-0" on centers.
- Blots shall extend at least 3" into bottom slab.
- All timbers to be 6" thickness.
- Box haunches shall be cut back as necessary to allow installation of flow diversion timbers.
- NOTE: Required height of Low Flow Diversion may be achieved by varying the timber width or by stacking and laminating timbers.

LOW FLOW DIVERSION TIMBERS FOR MULTIPLE BOX CULVERTS

LOW FLOW DIVERSION FOR MULTIPLE LINE CULVERT INSTALLATIONS

Revised 9-94
SPECIAL DESIGN SECTION
DRAWING NO. 1588

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