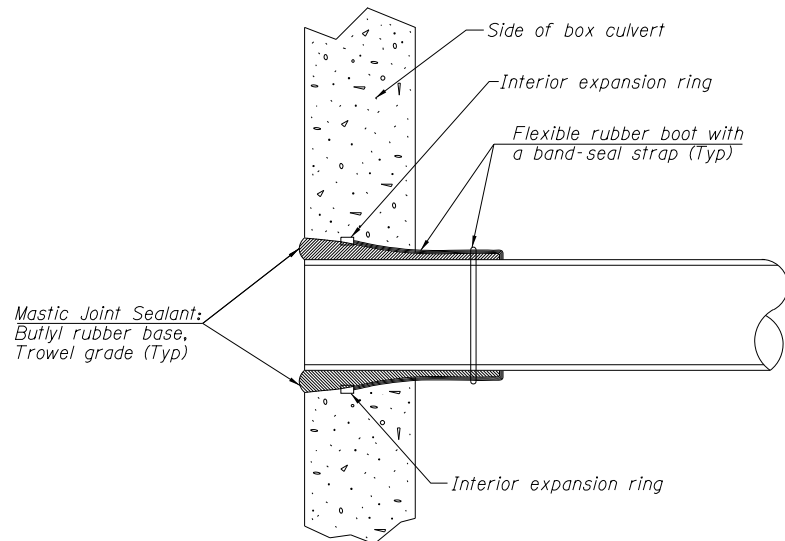


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8/13/53 AM

7/6/2013

Designed By JUF Checked By GMS
Drawn By JUF Checked By TMM



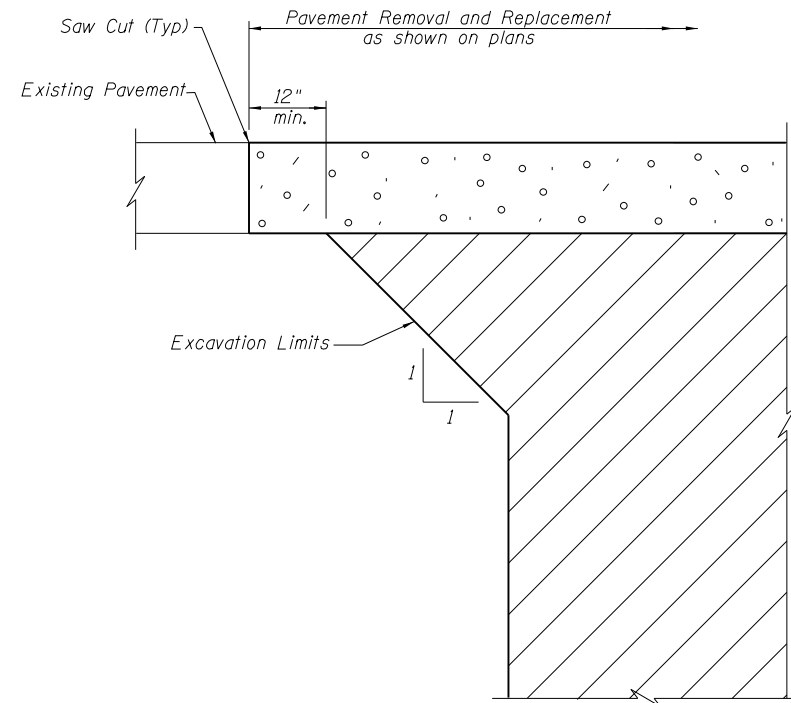
Notes

Contractor to field verify position, depth and diameter of pipe to be connected to box culvert. Pipe shall be extended as required. Extension pipe shall be joined to existing pipe at existing joint with an approved joint seal or by means of band seals. The section of pipe on the opposite side of the trench shall be abandoned. The abandoned pipe shall be cut back a minimum of 2' from outside face of proposed box culvert. Plug abandoned pipe according to Section 550.05 of the Standard Specifications. All associated costs included with Box Culverts.

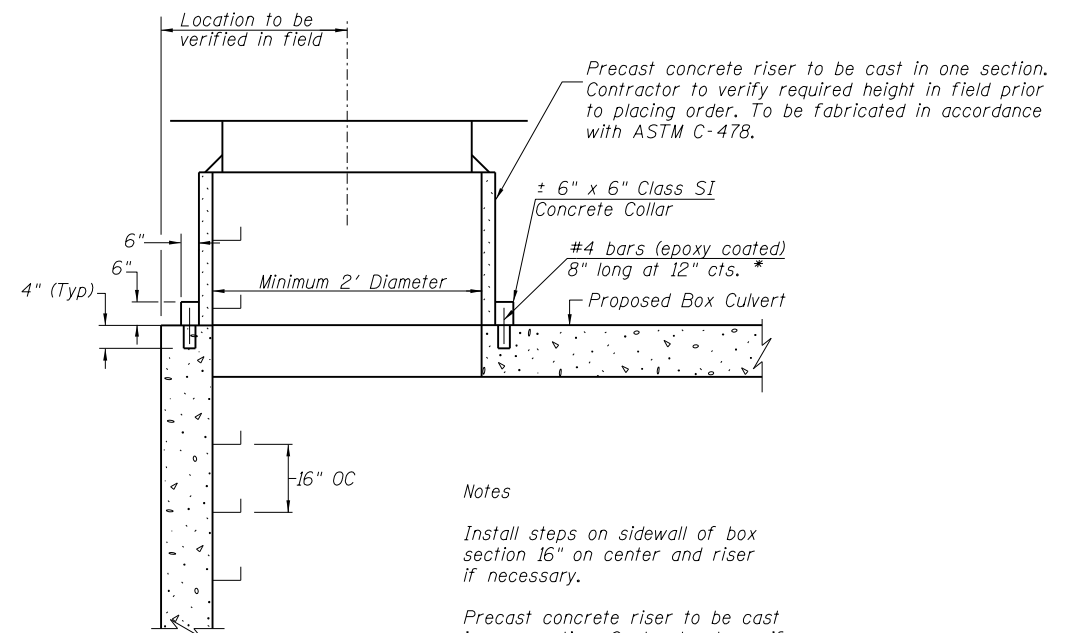
Openings in the precast box culverts for intersecting pipe shall be formed in the shop with additional reinforcing placed around the opening. The location of all intersecting pipes shall be verified by the contractor in the field. The openings in the precast box shall then be located accordingly. A minimum clearance of 12" shall be maintained from the end of an individual box section and the opening. If necessary, the intersecting pipes shall be adjusted to meet this requirement. The cost of verifying pipe location, making the openings and adjusting the pipes shall be included with box culverts.

CONNECTION DETAIL - PIPE INTERCEPT WITH BOX CULVERT

Cost of connecting and sealing pipe to box culvert included with box culvert.



PAVEMENT RESTORATION



Notes

Install steps on sidewall of box section 16" on center and riser if necessary.

Precast concrete riser to be cast in one section. Contractor to verify required height in field prior to placing order.

MANHOLE DETAIL

(Cost included with box culvert)

*Epoxy grouting of bars shall be done according to Section 584 of the Standard Spec's. The grout and method of application shall be approved by the Engineer.