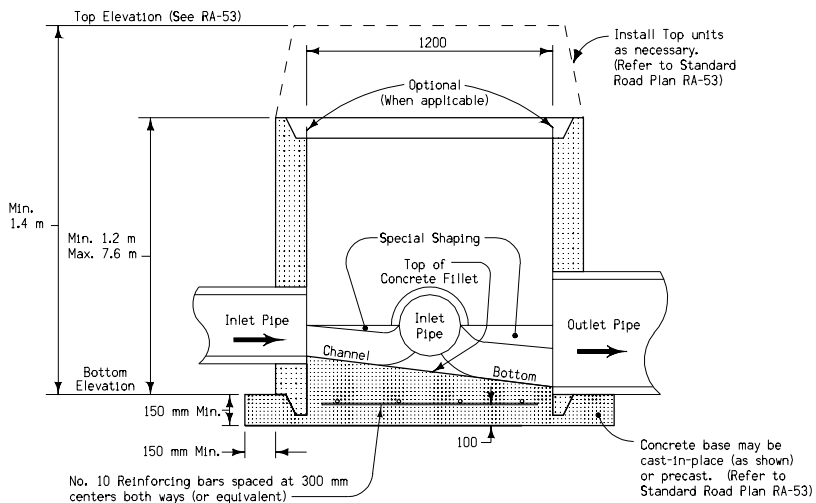
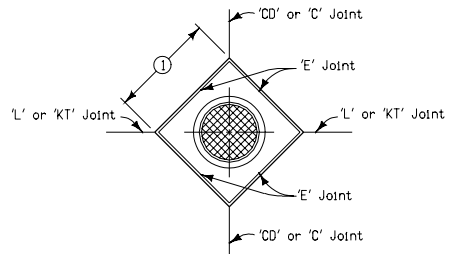


TYPICAL PLAN

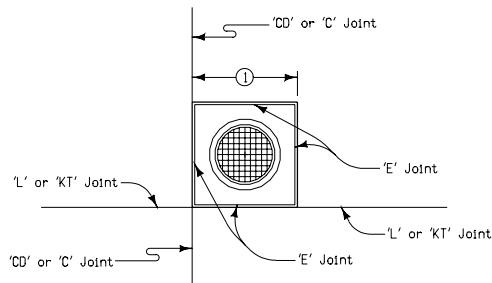


TYPICAL SECTION



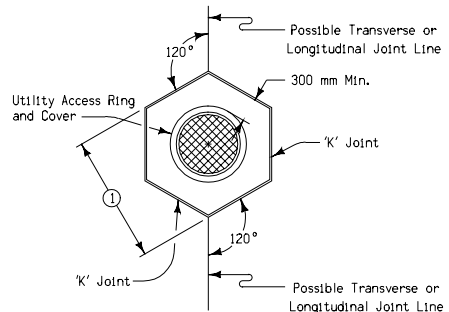
BOX-OUT DETAIL IN PCC PAVEMENT

Where the utility access is intersected by the longitudinal and transverse joints.



BOX-OUT DETAIL IN PCC PAVEMENT

Where the utility access is offset from the longitudinal and transverse joints



BOX-OUT DETAIL IN PCC PAVEMENT

Where no joint lines are present or at a single joint line

GENERAL NOTES:

This detail illustrates the construction and installation of precast circular concrete storm sewer utility access units.

Inlet pipes shall not protrude unnecessarily into utility access well and outlet pipe shall not project past inside face of sidewall.

A concrete fillet shall be placed in the bottom of the utility access, approximately as indicated. Special shaping of the fillet is required to provide a smooth channel through the utility access. Top surface of the fillet shall slope at a rate of approximately 12:1 (Horizontal: Vertical) toward the channel.

Unless specifically approved otherwise by the Engineer, the length of any section which has a notch or hole for sewer pipe shall be at least twice the greatest dimension of notch or hole measured along the centerline of the pipe.

Sewer pipe connections as shown on this drawing are typical. For the actual location of sewer pipe connection refer to the project plans. The Contractor may be required to make adjustments to the proposed storm sewer lines for proper connection to utility access unit. Maximum size of storm sewer pipe that may be used with the RA-50 Utility Access is 450 millimeters.

The Contractor shall install accessory units (spacer, utility access top, casting, etc.) as necessary to obtain utility access elevations as detailed on project plans. Refer to Standard Road Plan RA-53 for details of accessory units and to Standard Road Plan RA-54 or RA-55 for details of castings required. When utility access is subject to traffic, use RA-54 cover; when not subject to traffic, use RA-55 cover.

Price bid for "RA-50 Storm Sewer Utility Access" shall be considered full compensation for the construction of the utility access to the depth required by detail project plans (including top units as necessary). Backfilling of the necessary excavation shall be done at the direction of the Engineer.

① 1.4 meter minimum, 1.5 meter maximum

All dimensions given in millimeters unless noted.

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	STANDARD ROAD PLAN RA-50	
	REVISION: Require Concrete Fillet.	REVISION NO. 6
	APPROVED BY <i>William J. Steen</i> DESIGN METHODS ENGINEER	REVISION DATE 04-15-03
UTILITY ACCESS FOR STORM SEWER PIPES		