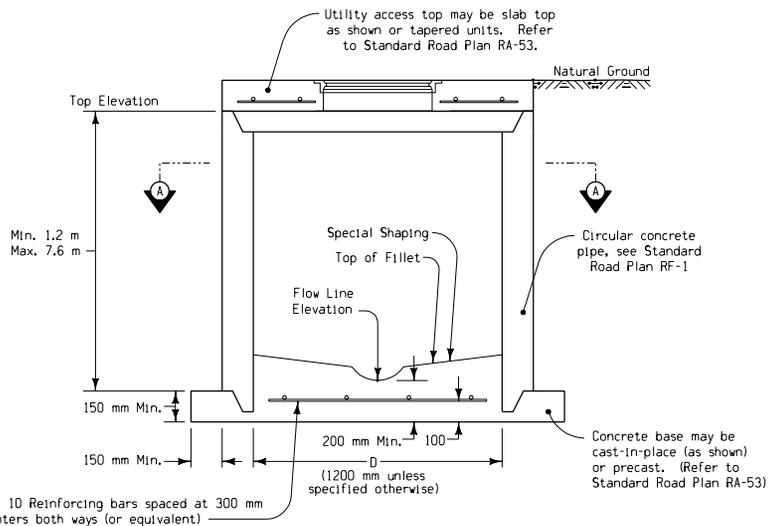


SECTION A-A
TYPICAL PLAN



SECTION B-B
TYPICAL ELEVATION

GENERAL NOTES:

This sheet details the construction and installation of precast circular concrete sanitary sewer utility access units.

Materials and methods of construction shall be in accordance with current Standard and Supplemental Specifications.

The well portion of the intake shall consist of 100D concrete pipe (refer to Standard Road Plan RF-1) modified as indicated. The minimum depth of intake well shall be 1.2 meters. The intake may be constructed in lengths that will be convenient to transport and install. Openings may be formed when pipe is cast or may be cut out to desired elevation after pipe is complete. Openings shall be neatly shaped. Wire mesh may be left in place and cut to size when inlet and outlet pipes are installed and grouted in place.

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.

A concrete fillet as a continuation of the base 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 downward approximately 25 millimeters per 300 millimeters toward the channel.

Finish to the intake top or any exposed portion shall be as required for "Structural Concrete" in current Standard Specifications.

- Price bid for "Utility Access, RA-57 Inlet Control" shall include:
- All necessary excavation and backfill
 - Satisfactory connection to new or existing storm sewer as per detail plans. Connections to precast units shall be grouted.
 - Furnishing all materials and constructing intake as detailed.

Placing sequence: 1. Base; 2. Walls; 3. Top.

- ① An approved model of a commercially available shear gate with bronze seat mountings. The shear gate shall be flange end type attached to a flange end of 150 millimeter diameter iron pipe. Details of installation must be approved by the Engineer. No welding will be allowed. The shear gate shall be provided with satisfactory lift handles a minimum of 0.9 meter in length. An approved bracket or other device for holding the handle shall be installed near the utility access top.

All dimensions given in millimeters unless noted.

M REVISION METRIC VERSION	Iowa Department of Transportation Project Development Division	
	STANDARD ROAD PLAN RA-57	
	REVISION: Remove erroneous dimensioning.	REVISION NO. 1
	APPROVED BY: <i>David P. Smith</i> DESIGN METHODS ENGINEER 06-23-97	REVISION DATE 10-28-97
INLET CONTROL UTILITY ACCESS		