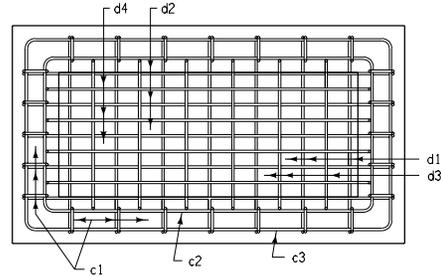
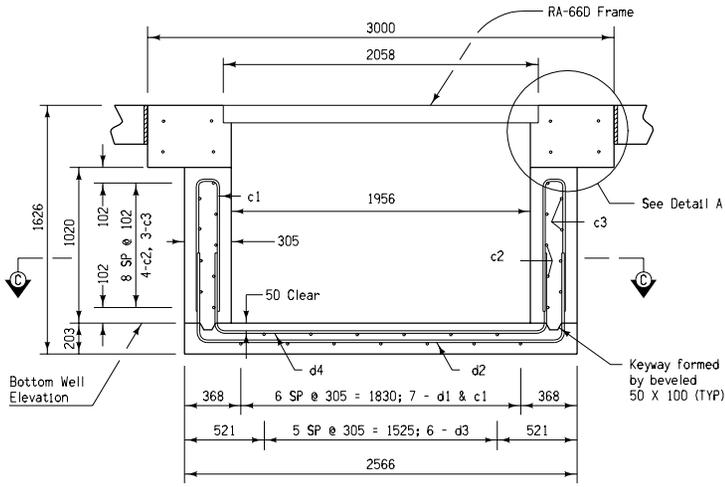


(3) RA-66D Frames cast into intake top

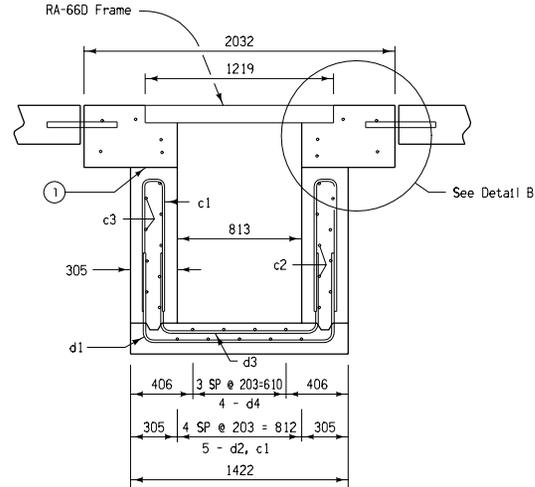
All reinforcing to have minimum 75 millimeter cover unless otherwise noted.



SECTION C-C



SECTION A-A



SECTION B-B

GENERAL NOTES:

These sheets illustrate the construction and installation of a median intake where roadway staging may require temporary traffic movement over the intake.

All reinforcing bars shall be ASTM A-615M, Grade 420.

Precast concrete units with these dimensions may be utilized.

Any modification of the intake design shall be subject to the approval of the Engineer.

If unit is cast in place, storm sewer pipe shall be installed before intake sidewall construction is started. Sidewalls shall be constructed as indicated with openings for storm sewer pipe(s) smoothly shaped and inlet pipe(s) not projecting unnecessarily into well. Outlet pipe(s) shall not project beyond inside face of sidewall. Storm sewer pipe locations shown hereon are typical. Refer to detail project plans for exact locations.

All concrete for intake including base, walls, top, and boxout shall be Class 'C' concrete as per the current Standard Specifications.

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

Joints in pavement adjacent to intake shall be as shown on Standard Road Plans RH-50, RH-51, and RH-52. Joint locations shall be as indicated hereon, except where specifically modified by other plan drawings or by the Engineer.

Price bid for intake does not include materials or construction of concrete barrier.

Price bid for "Intake, RA-47" 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 including (3) Frames and Grates as detailed on Standard Road Plan RA-66D and constructing intake as detailed hereon.

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

- 1 Trowel smooth and place 2 layers of # 30 roofing felt to prevent bond.
- 2 Frame sections to be connected with 13 mm galvanized bolts.

All dimensions given in millimeters unless noted.

METRIC VERSION	Iowa Department of Transportation Highway Division	
	STANDARD ROAD PLAN RA-47(1)	
	REVISION: Change 'K' joint to 'E' joint. Indicate location station and bottom well elevation.	REVISION NO. 1
	<i>William J. Steen</i> APPROVED BY DESIGN METHODS ENGINEER	REVISION DATE 10-29-02
MEDIAN INTAKE (Sheet 1 of 3)		