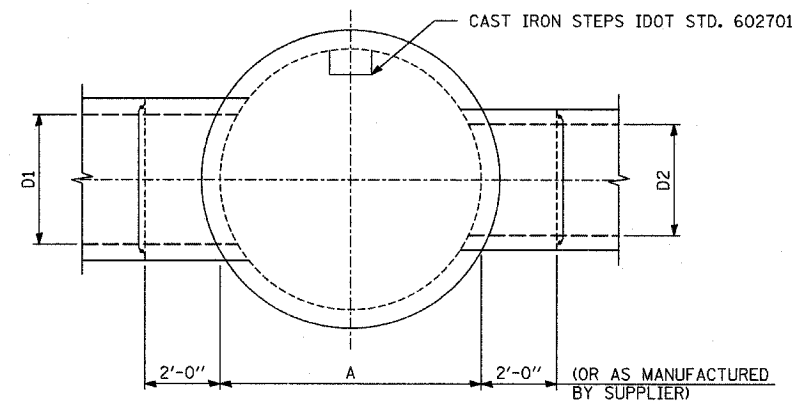
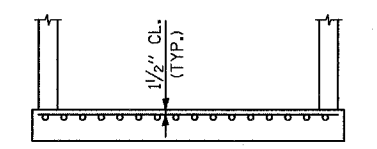


PLAN VIEW

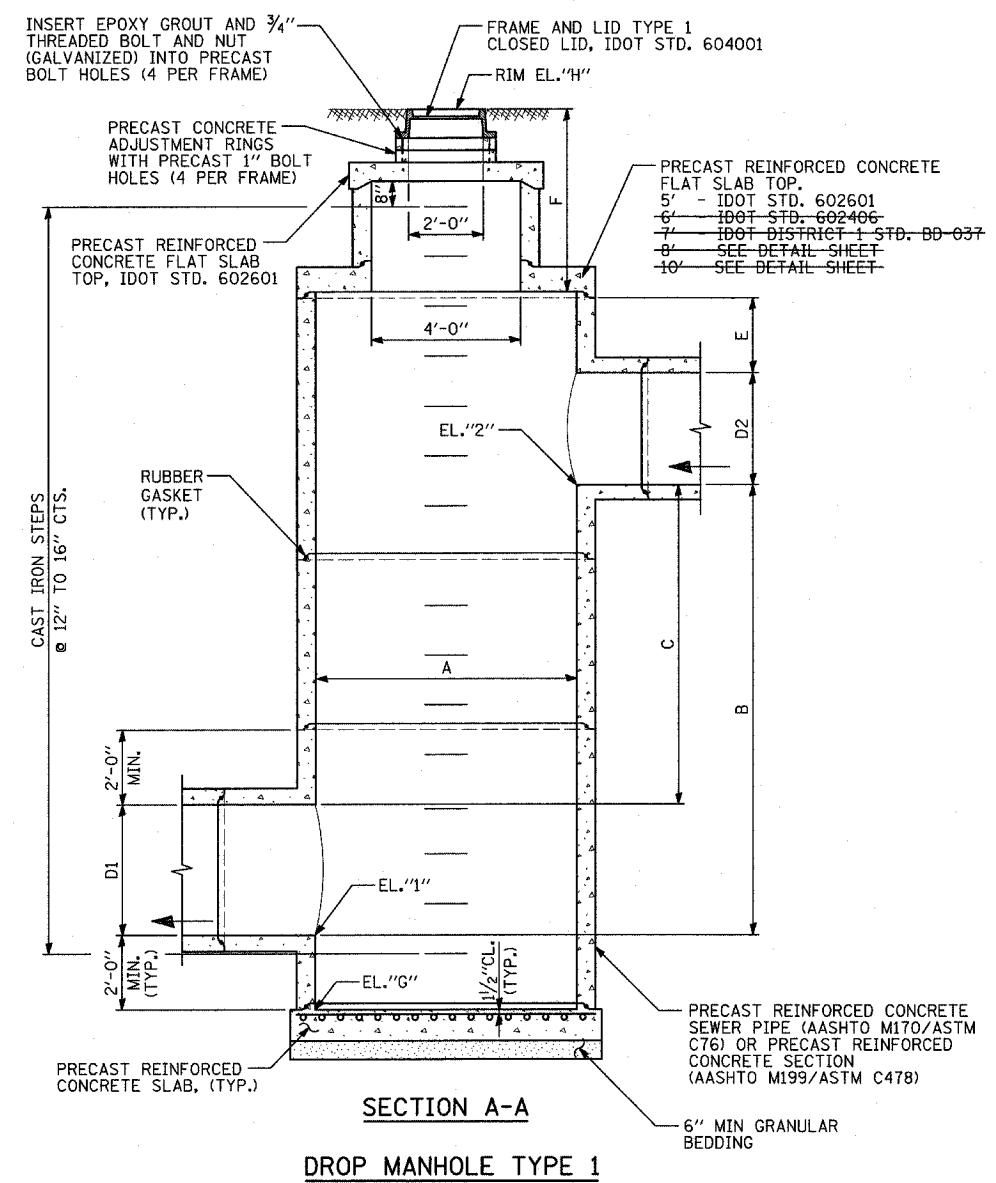


SECTIONAL PLAN

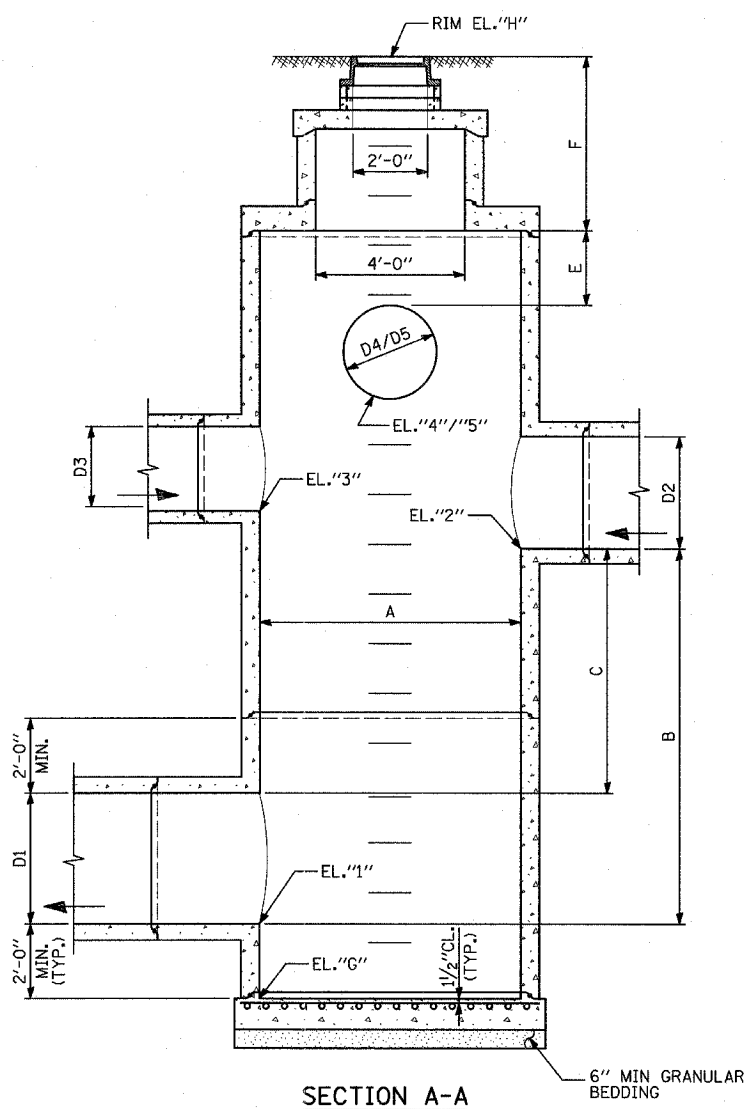


REINFORCED CAST-IN-PLACE CLASS SI CONCRETE

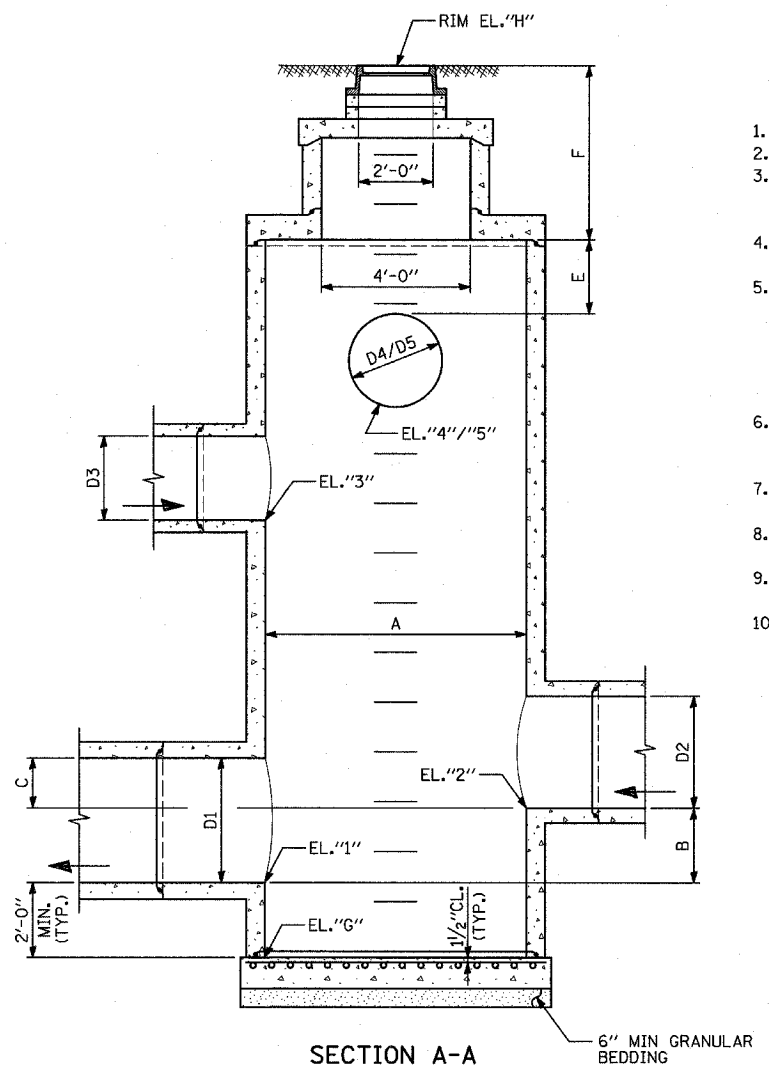
ALTERNATE BOTTOM SLAB



SECTION A-A
DROP MANHOLE TYPE 1



SECTION A-A
DROP MANHOLE TYPE 2
(SEE NOTE 9)



SECTION A-A
DROP MANHOLE TYPE 3
(SEE NOTE 10)

NOTES:

- ALL DIMENSIONS ARE INSIDE DIMENSIONS.
- UTILIZE PIPE "T" SECTIONS WHENEVER AVAILABLE.
- PRESET PIPE OPENINGS IN PRECAST REINFORCED CONCRETE SECTIONS IF "T" SECTIONS AND SPECIAL FITTINGS ARE NOT AVAILABLE.
- ROTATE FLAT SLAB AND MANHOLE RISER SO STEPS AVOID STORM SEWER OPENINGS.
- CAST IRON STEPS SHALL BE GRAY IRON CONFORMING TO THE REQUIREMENTS OF ARTICLE 1006.14 OF THE STANDARD SPECIFICATIONS. STEPS SHALL BE EMBEDDED INTO THE WALL A MINIMUM OF THREE (3) INCHES. STEPS SHALL NOT BE EXTENDED ON THE OUTSIDE.
- JOINT CONFIGURATION AND DIMENSIONS OF FLAT SLAB TOP SHALL MATCH AND FIT THE RISER JOINT DETAIL.
- LIFTING DEVICES SHALL BE APPROVED BY THE ENGINEER.
- ALL WORK SHALL BE AS PER AASHTO REQUIREMENTS. ASTM IS LISTED AS SUPPLEMENTARY.
- SIMILAR TO TYPE 1, ALSO WITH SEWERS D3, D4 AND D5.
- SIMILAR TO TYPE 1, ALSO WITH SEWERS D3, D4, D5 AND LOWER D2.

DROP MANHOLE SCHEDULE

STRUCT NUMBER	TYPE	LOCATION	STATION	OFFSET	DIMENSIONS										ELEVATIONS (FT)												
					A (FT)	B (FT)	C (FT)	D1 (IN)	D2 (IN)	D3 (IN)	D4 (IN)	D5 (IN)	E (FT)	F (FT)	1	2	3	4	5	G	H						
174	3	NB I-94	2215+88.03	65.4 RT	6	0.50	2	30	24	18	15			2	2.90	-6.83	-6.33	-3.62	-5.27							-8.83	0.88
581	2	NB I-57	239+94.13	56.0 LT	6	24.75	23.25	18	18	12				2	13.06	-14.75	10.00	10.48								-16.75	20.54

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)
DRAINAGE STRUCTURE DETAILS
DROP MANHOLE

SCALE: NONE
DATE: MARCH 7, 2006
DRAWN BY: RD
CHECKED BY: DA