

NOTES

PRECAST STRUCTURES MAY BE SUBSTITUTED UPON APPROVAL OF DESIGN BY DEPARTMENT OF PUBLIC WORKS.

BRICK SHALL BE NO. 1 HARD BURNED RED BRICK OF THE (3) THREE HOLE TYPE. ALL CONCRETE TO BE CLASS A-3.

MORTAR SHALL BE A MIX OF ONE (1) PART PORTLAND CEMENT TO TWO (2) PARTS CLEAN GRADED SAND. JOINTS SHALL BE SMOOTH.

CAST IRON TOPS AND FRAMES SHALL BE SUFFICIENTLY TRUE TO A PLANE SURFACE SO THAT TOPS WILL NOT ROCK.

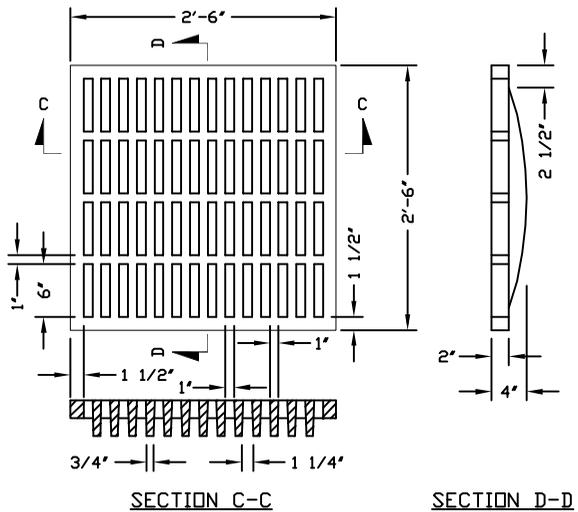
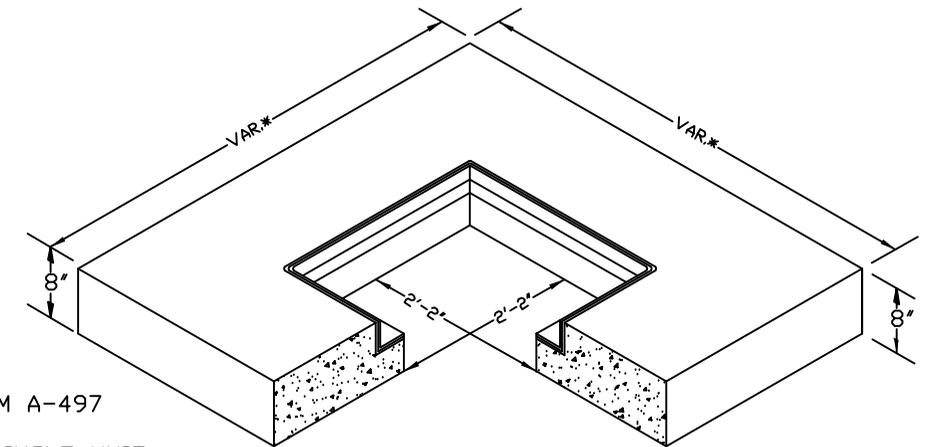
DRAINAGE STRUCTURE FOUNDATION SLAB TO BE PLACED ON A BED OF AGGREGATE BASE STONE WHERE NECESSARY FOR STABILIZATION. STONE SHALL BE SIX INCHES (6") DEEP. FOUNDATION SLAB TO BE CLEAN AND DRY PRIOR TO INSTALLATION OF BRICK AND PLASTER FINISH.

THE INVERT IS TO BE SHAPED IN ACCORDANCE WITH STANDARD PLAN IS-1. FURNISHING AND PLACING ALL MATERIALS INCIDENTAL TO THE SHAPING IS TO BE INCLUDED IN THE PRICE BID.

BRICK MASONRY SHALL BE LAID SO THAT EACH UNIT WILL BE THOROUGHLY BONDED WITH MORTAR. SUCH JOINTS SHALL BE CONSTRUCTED BY THE THE SHOVE JOINT METHOD AND THE WIDTH OF THE FINISHED JOINTS IN THE FACE SHALL NOT BE GREATER THAN THREE-EIGHTS INCH (3/8") STRETCHER AND STRETCHER COURSES SHALL ALTERNATE TO FULLY BOND THE MASS. THE INSIDE JOINTS SHALL BE NEATLY POINTED AND THE OUTSIDE OF SUCH WALLS SHALL BE PLASTERED WITH MORTAR.

EXTENDED DEFECT BOND (TWO YEAR) REQUIRED ON ALL BRICK STRUCTURES.

*SEE STANDARD SDI-1, 2, 3 FOR STRUCTURE AND TOP SIZE REQUIREMENTS.



CONCRETE TO BE 4000 PSI MINIMUM. REINFORCING STEEL IN ACCORDANCE WITH ASTM C-478, ASTM A-497 (WIRE FABRIC) AND ASTM A-615 (REINFORCING BARS). CONCRETE COVER AND GRATE ARE TO BE FURNISHED AS A SINGLE UNIT. MIN. 5/8" CHAMFER ON ALL OUTSIDE EDGES. DIMENSIONS SHOWN ARE MINIMUM. ACTUAL DIMENSIONS MAY VARY WITH STRUCTURE TYPE.

GRATE DETAILS

		DESIGN AND CONSTRUCTION STANDARDS	
		PRECAST TOP AND CAST IRON GRATE AND COLLAR DETAIL.	
08/01/03	REV. FOR INTERNET 2003	DR. BY:	DATE:
DATE	REVISIONS	CHK. BY:	DATE:
		APP. BY:	DATE:

SDI-T