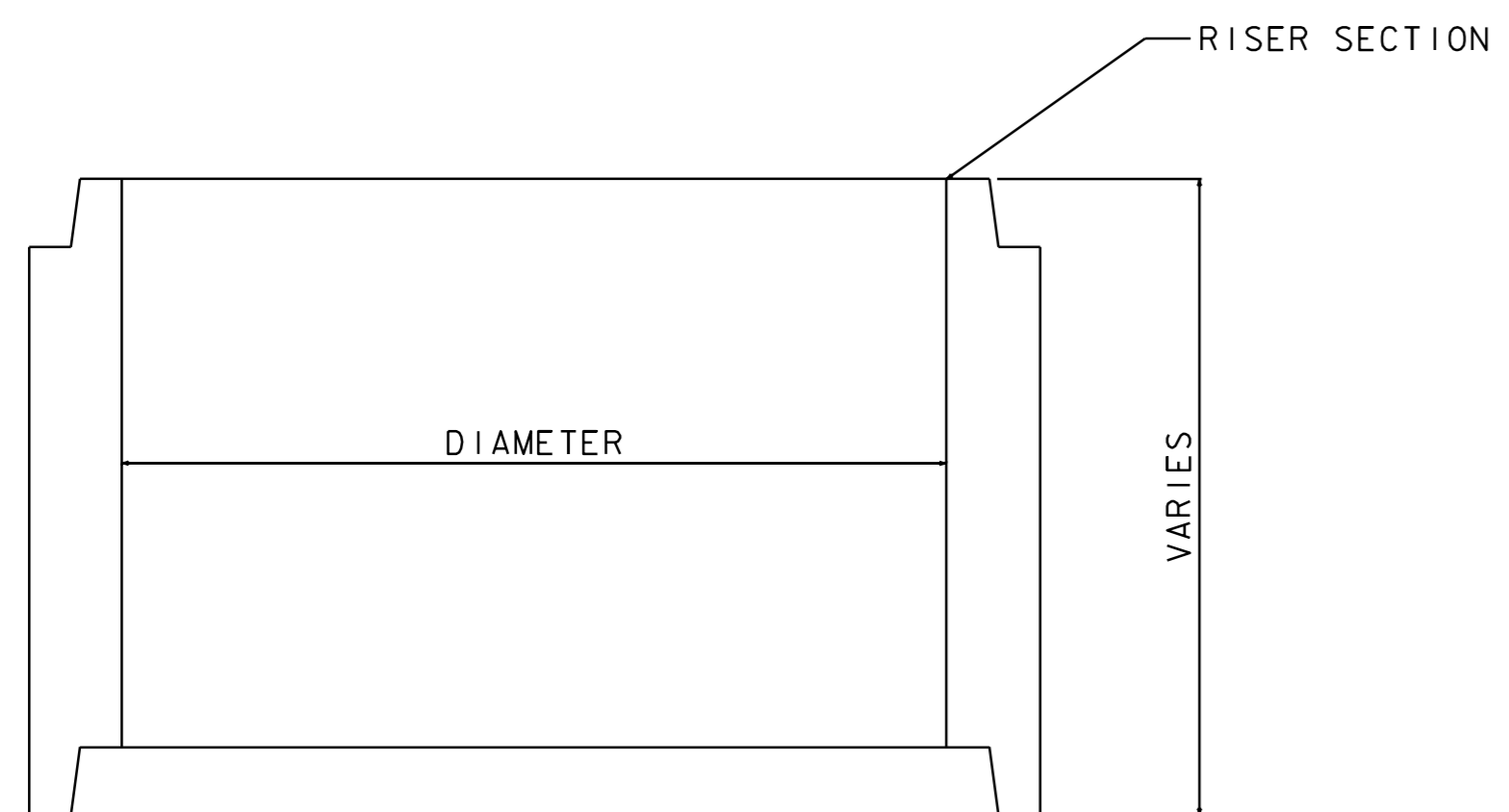
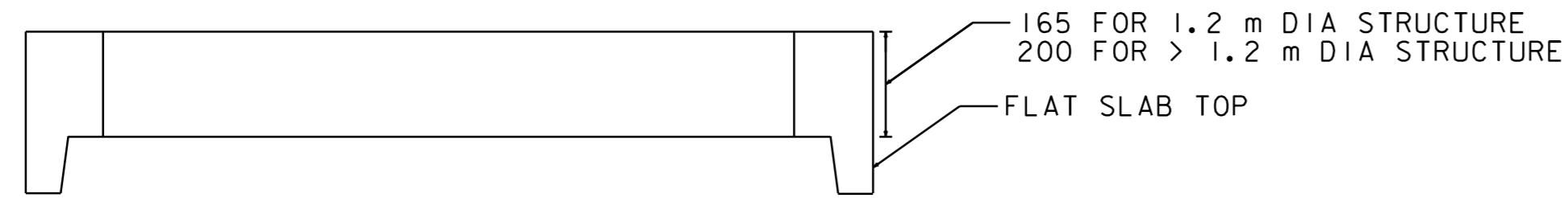
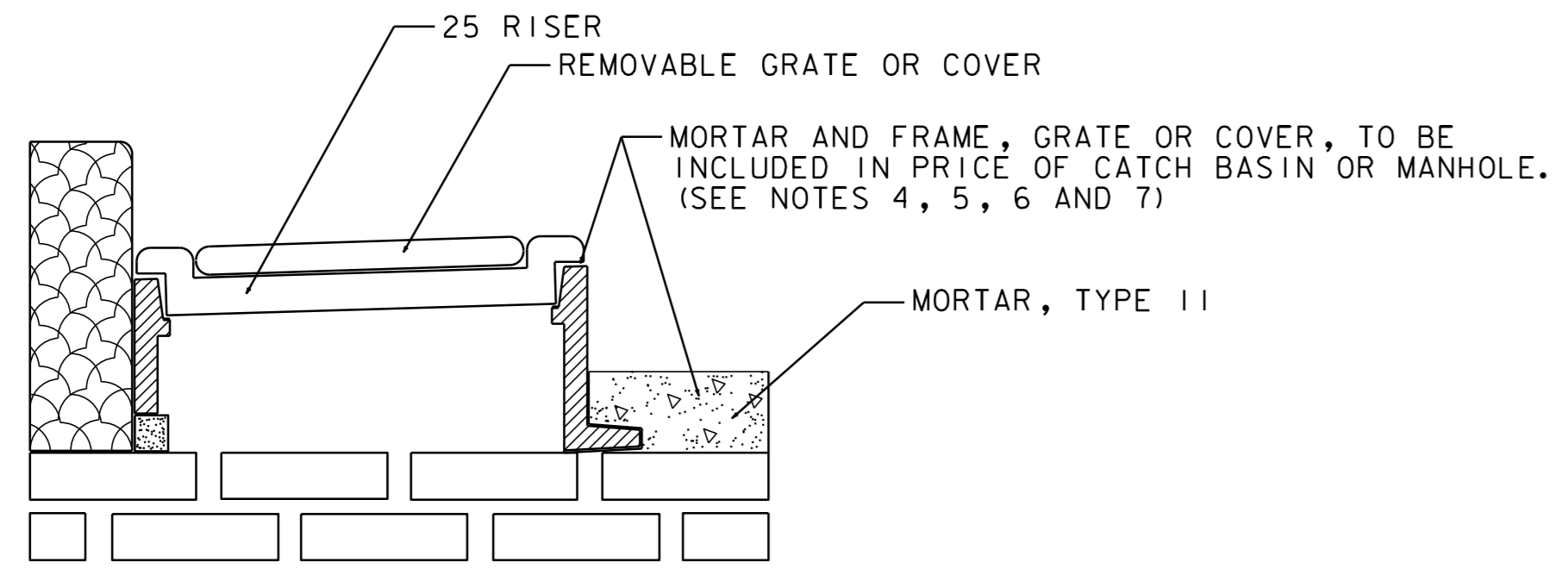
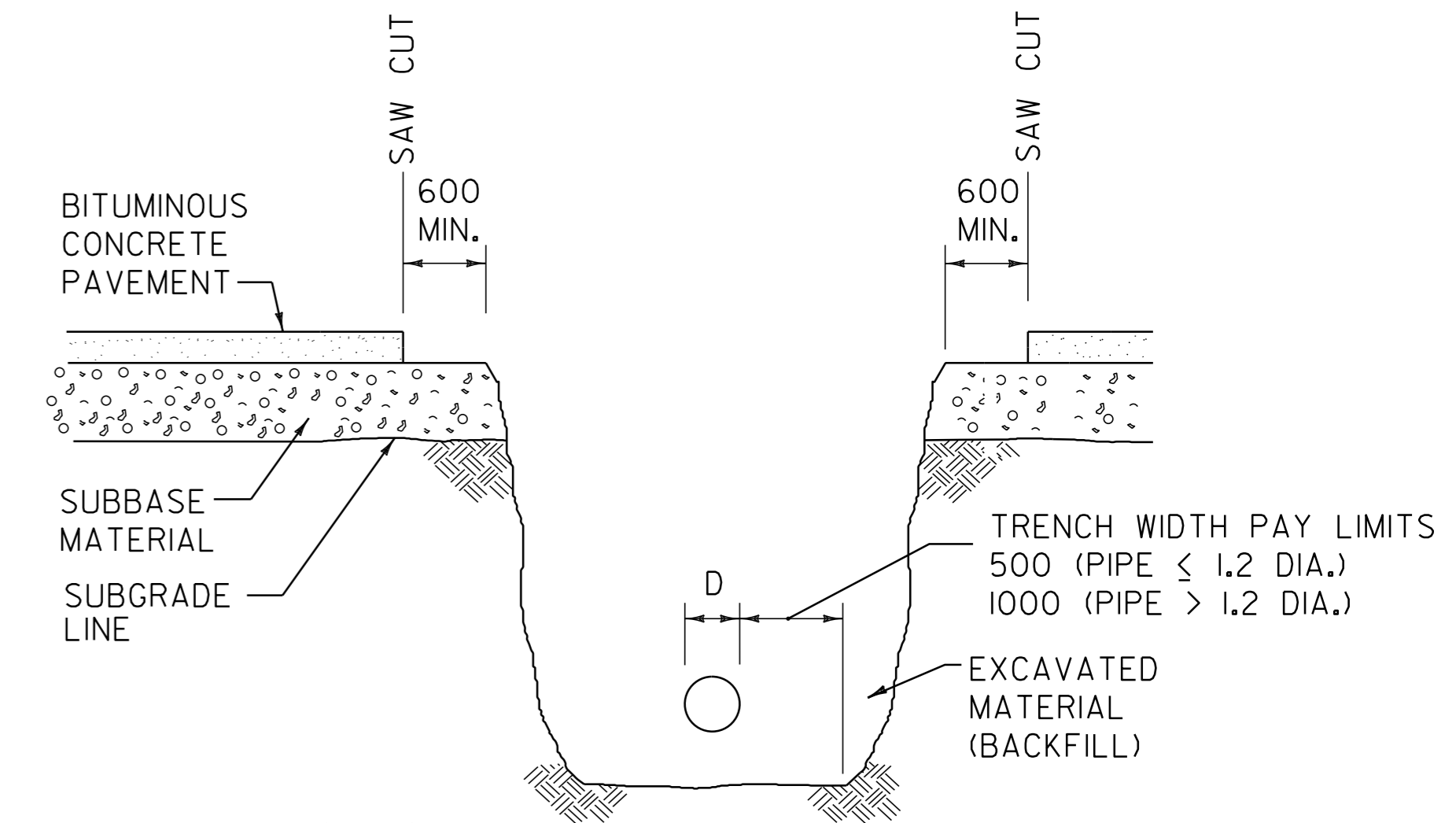


NOTES

1. ALL CATCH BASINS AND MANHOLES SHALL BE CONSTRUCTED WITH PRECAST CONCRETE BASE SECTIONS, RISER SECTIONS AND FLAT SLAB TOPS CONFORMING TO SUBSECTION 705.04 OF THE VERMONT STANDARD SPECIFICATIONS FOR CONSTRUCTION AND SHALL BE REINFORCED TO MEET OR EXCEED M-18 LOADING.
2. PRECAST SECTIONS SHALL HAVE A TONGUE AND GROOVE JOINT 100 mm HIGH AT AN 11° ANGLE CENTERED IN THE WIDTH OF THE WALL AND SHALL BE ASSEMBLED USING AN APPROVED FLEXIBLE SEALANT IN JOINTS.
3. ALL STRUCTURES WITH MULTIPLE PIPES SHALL HAVE A MINIMUM OF 300 mm OF INSIDE SURFACE BETWEEN HOLES, NO MORE THAN 75% OF A HORIZONTAL CROSS SECTION SHALL BE HOLES, AND THERE SHALL BE NO HOLES CLOSER THAN 75 mm TO JOINTS
4. GRATE AND FRAME SIZES VARY. REFER TO VTRANS STANDARD SHEETS (D SERIES) FOR DIMENSIONS.
5. FOR GRATE AND FRAME DIMENSIONS REFER TO VTRANS STANDARD SHEET D-9.
6. TWO COURSES (MIN) OF BUILDING BRICK, CONFORMING TO SUBSECTION 705.01 (b) OF THE VERMONT STANDARD SPECIFICATIONS FOR CONSTRUCTION, TO BE PLACED ON TOP OF FLAT SLAB TOP PRIOR TO PLACING FRAME TO FACILITATE CHANGING ELEVATION OF CATCH BASIN OR MANHOLE WHEN REQUIRED. BRICK TO BE INCLUDED IN PRICE OF CATCH BASIN OR MANHOLE.
7. REFER TO VTRANS STANDARD SHEET D-11 FOR APPLICATION OF CAST IRON COVER WITH FRAME FOR MANHOLE.



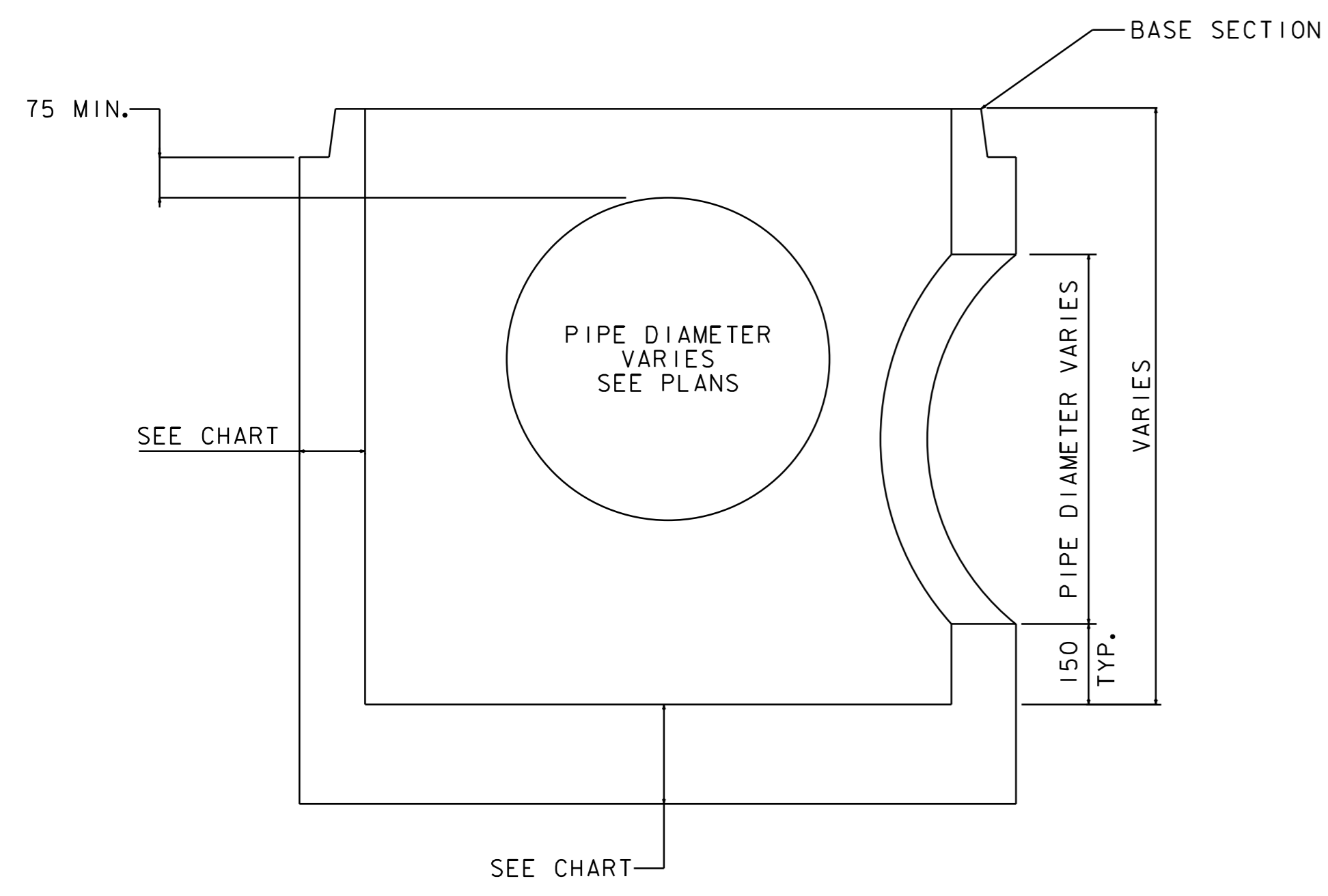
DIAMETER	WALL THICKNESS (MIN.)	FLOOR THICKNESS (MIN.)
1.2 m	125 mm	150 mm
1.5 m	150 mm	175 mm
1.8 m	175 mm	200 mm
2.1 m	200 mm	225 mm
2.4 m	225 mm	250 mm



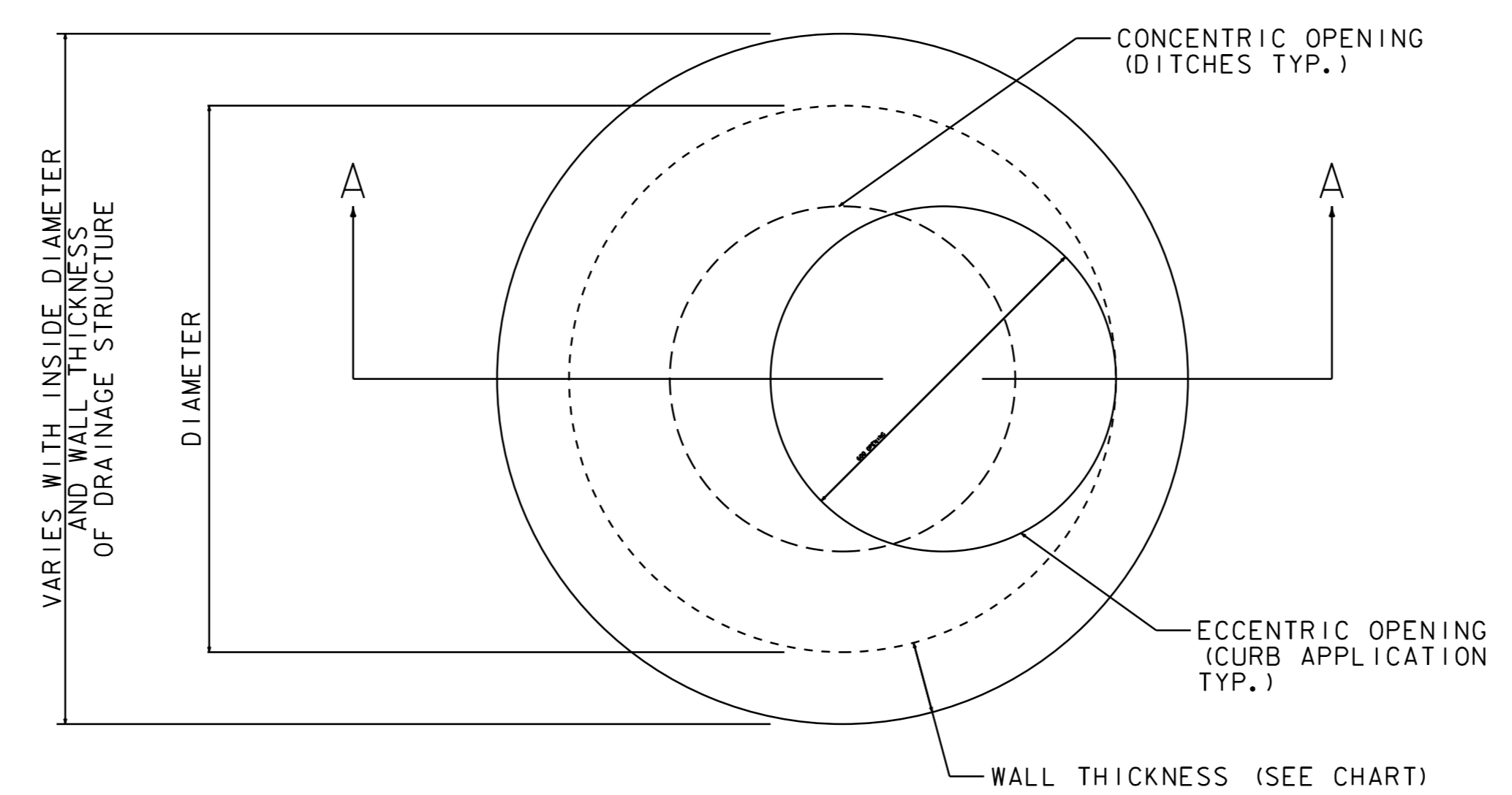
NOTES

1. ALL EXPOSED BITUMINOUS SURFACES SHALL BE COATED WITH EMULSIFIED ASPHALT PRIOR TO PLACEMENT OF NEW BITUMINOUS PAVEMENT.
2. BITUMINOUS CONCRETE PAVEMENT SHALL BE REPLACED WITH BITUMINOUS CONCRETE PAVEMENT AT THE SAME THICKNESS OF THE PAVEMENT BEING REMOVED, AND IN ACCORDANCE WITH THE VTRANS STANDARDS SPECIFICATIONS FOR CONSTRUCTION, SECTION 406, BITUMINOUS CONCRETE PAVEMENT AND SUBBASE ARE TO BE REPLACED IN KIND. MATERIAL BELOW SUBGRADE TO BE REPLACED WITH EXCAVATED MATERIAL, OR AS DIRECTED BY THE ENGINEER. ALL BACKFILL MATERIAL SHALL BE MADE IN 150 mm MAXIMUM LIFTS AND COMPACTED TO NOT LESS THAN 95% MAXIMUM DRY DENSITY.

TRENCH EXCAVATION ACROSS BITUMINOUS CONCRETE PAVEMENT DETAIL



SECTION A-A



FLAT SLAB TOP

PRECAST REINFORCED CONCRETE CATCH BASIN / MANHOLE DETAIL

NOT TO SCALE

NOTE: ALL DIMENSIONS IN MILLIMETERS EXCEPT AS INDICATED

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	DESIGNED BY: NULL
	PLOT DATE: 11-JUN-2012 16:16
	DRAWN BY: MRS
	CHECKED BY: NULL
	SHEET 38 OF 73