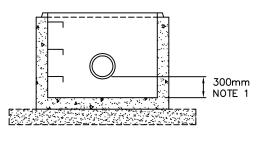


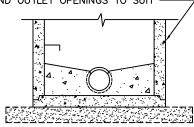
ALTERNATIVES

A SUMP FOR STORM SEWER MAINTENANCE HOLE

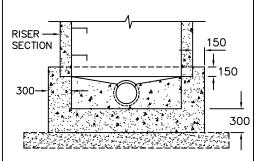


B PRECAST SLAB BASE

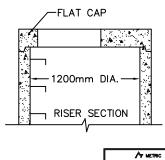
BOTTOM RISER SECTION WITH INLET AND OUTLET OPENINGS TO SUIT —



C CAST IN PLACE BASE



D PRECAST FLAT CAP



METRIC
ALL DIMENSIONS SHOWN HERE ARE IN
MILLIMETRES UNLESS OTHERWISE NOTED

NOTES:

- 1. THE SUMP IS MEASURED FROM THE LOWEST INVERT.
- 2. 150mm OF COMPACTED 200mm CRUSHED STONE OR UNSHRINKABLE FILL TO BE PLACED ALL AROUND THE MAINTENANCE HOLE.
- 3. PRECAST CONCRETE COMPONENTS ACCORDING TO OPSD 701.030, OPSD 701.031 and OPSD 701.032.
- 4. STRUCTURES EXCEEDING 4.5m IN DEPTH TO INCLUDE SAFETY PLATFORM ACCORDING TO OPSD-404.020.
- 5. PIPE SUPPORT ACCORDING TO T-708.020.
- 6. FOR BENCHING DETAILS, MAXIMUM PIPE HOLE DIAMETERS AND FLOW CONFIGURATIONS, SEE T-701.021.

- 7. ALL DIMENSIONS ARE NOMINAL.
- 8. ALL DIMENSIONS ARE IN MILLIMETERS OR METERS UNLESS OTHERWISE SHOWN.
- 9. PARGING SHALL BE 1:3 MORTAR MIX.
- 10. WATERPROOFING OVER PARGING TO BE 2 HEAVY COATS OF BITUMEN.
- 11. WHERE PIPES JOIN AT MAINTENANCE HOLE, JOINTS ARE TO BE WATERTIGHT WITH THE APPROVED SEAL.
- 12. FIRST STEP TO BE 75mm TO 300mm BELOW FRAME. LAST STEP TO BE 300mm ABOVE BENCHING OR 600mm ABOVE INVERT IF NO BENCHING.

<u> 11</u> Toronto

TECHNICAL SERVICES Engineering Services - Works Facilities & Structures

		Engineering dervices - works racinities & outdetures	
SCALE:	N.T.S.	PRECAST MAINTENANCE HOLE	DRAWING NUMBER:
DATE:	MARCH 2008	1200mm DIAMETER	T-701.010
DRAFTIN	G: V. DIDIANO		SHEET: 1