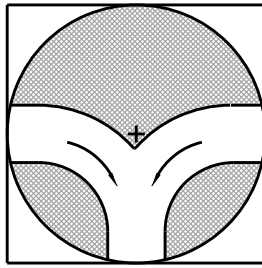
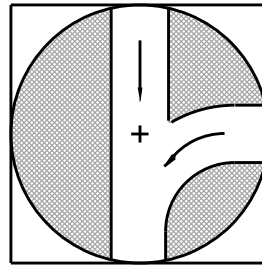


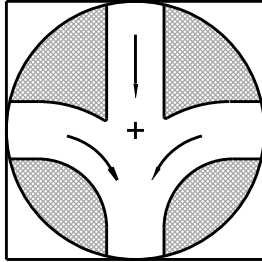
1. RIGHT ANGLE BEND



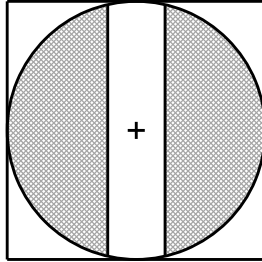
2. TEE CONNECTION



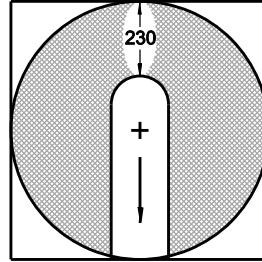
3. THREE WAY JUNCTION



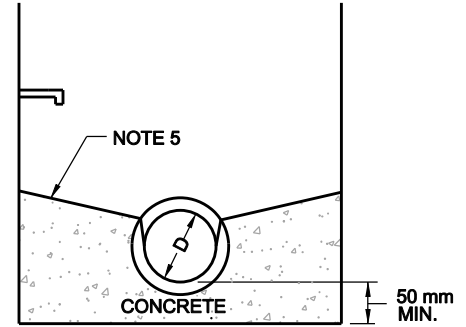
4. FOUR WAY JUNCTION



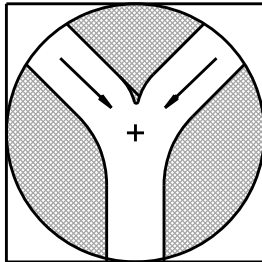
5. STRAIGHT THROUGH



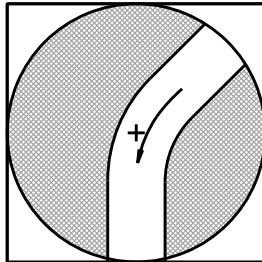
6. DEAD END



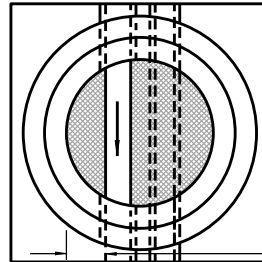
SECTION



7. WYE CONNECTION



8. 45° BEND



9. DUAL SYSTEM

EXPOSED PIPE  
225 mm MIN.

**NOTES:**

1. CONCRETE FOR BENCHING SHALL BE 32 MPa.
2. BENCHING TO BE GIVEN WOOD FLOAT FINISH, CHANNEL TO BE GIVEN STEEL TROWEL FINISH.
3. ALL DIMENSIONS ARE NOMINAL.
4. TOP OF BENCHING SHALL BE SLOPED NO GREATER THAN 4:1 NOR LESS THAN 8:1 (HORIZONTAL TO VERTICAL).
5. FOR STORM AND SANITARY SEWERS, BENCHING TO CROWN.

MAXIMUM SIZE HOLE IN THE WALL IN PRECAST RISER SECTIONS					
MAINTENANCE HOLE DIAMETER mm	No. 1,2,3,4,7		No. 5 & 6 mm	No. 8 mm	No. 9 mm
	INLET HOLE	OUTLET HOLE			
1200	375	525	750	600	250 + 375
1500	860	1220	1220	960	375 + 525
1800	1220	1485	1485	1220	525 + 600
2400	1485	2020	2020	1760	750 + 960

All dimensions are in millimetres unless otherwise shown.

CITY OF TORONTO STANDARD DRAWING

REV 1

NOV 2010



**MAINTENANCE HOLE BENCHING DETAILS AND SIZING**

T-701.021

NTS

SHEET 01