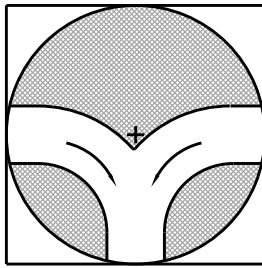
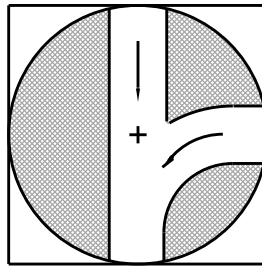


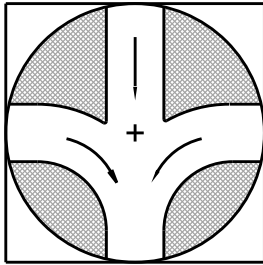
1. RIGHT ANGLE BEND



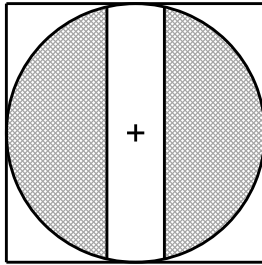
2. TEE CONNECTION



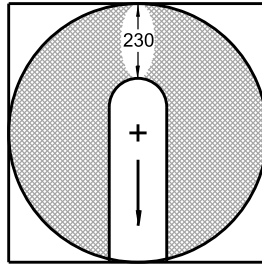
3. THREE WAY JUNCTION



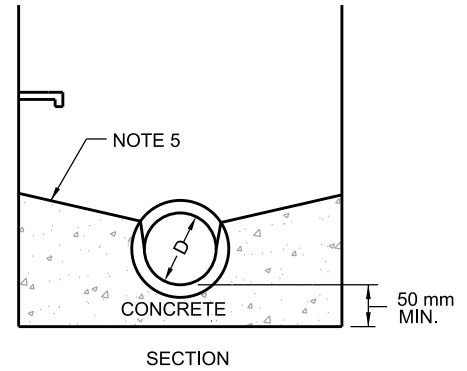
4. FOUR WAY JUNCTION



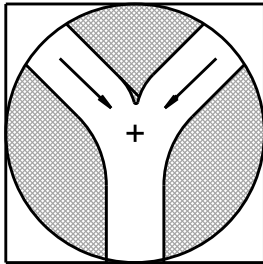
5. STRAIGHT THROUGH



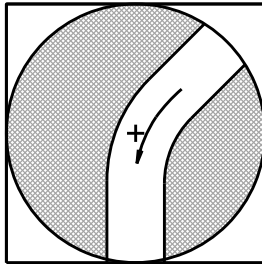
6. DEAD END



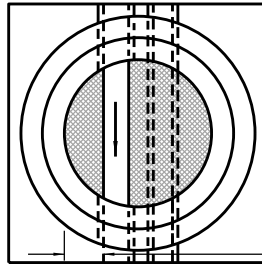
SECTION



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	NO. 1-4	NO. 5 AND 6	NO. 8	No. 7		NO. 9 mm
				INLET HOLE	OUTLET HOLE	
1200	700	860	780	700	860	250 + 375
1500	860	1220	960	860	1170	375 + 525
1800	1220	1485	1220	1220	1485	525 + 600
2400	1485	2020	1760	1485	2020	750 + 960

All dimensions are in millimetres unless otherwise shown.



ENGINEERING AND CONSTRUCTION SERVICES STANDARD DRAWING

REV 2

APR 2013

MAINTENANCE HOLE BENCHING DETAILS
AND PIPE OPENING ALTERNATIVES

T-701.021

NTS

SHEET 1