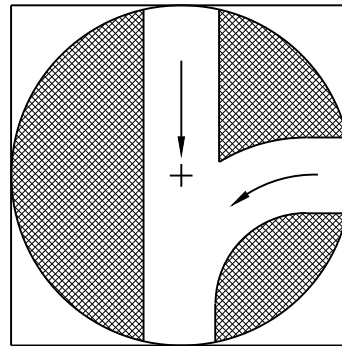
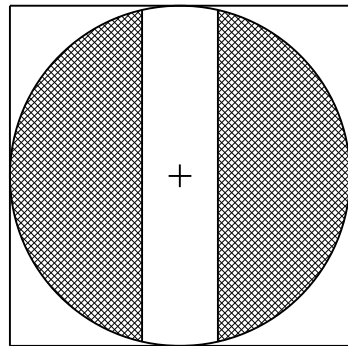


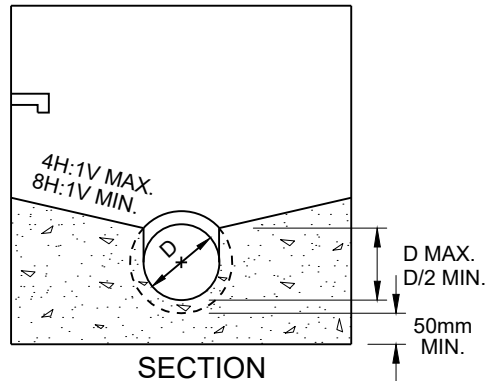
1. RIGHT ANGLE BEND



2. THREE WAY JUNCTION



3. STRAIGHT THROUGH



MAXIMUM PIPE DIAMETER IN THE WALL OF PRECAST RISER SECTIONS		
MAINTENANCE HOLE DIAMETER	No. 1-2	No. 3
1200	450	900
1500	750	1050
1800	900	1485

**NOTES:**

1. CONCRETE FOR BENCHING SHALL BE 30MPa.
2. BENCHING AND CHANNEL SHALL BE TROWEL FINISHED
3. WHEN SPECIFIED, MAINTENANCE HOLES THAT ARE 1200mm IN DIAMETER WITH A UNIFORM CHANNEL FOR 200 OR 250mm PIPE MAY BE PREBENCHED AT THE MANUFACTURER WITH STANDARDIZED BENCHING SLOPE AND CHANNEL ORIENTATION.
4. ALL DIMENSIONS ARE NOMINAL AND IN MILLIMETERS UNLESS OTHERWISE NOTED.
5. THERE IS TO BE A MINIMUM CLEARANCE OF 150mm BETWEEN THE FACE OF THE PIPE AND INSIDE OF THE MAINTENANCE HOLE.

**MUNICIPAL MASTER SPECIFICATIONS**

**MAINTENANCE HOLE BENCHING AND PIPE OPENING ALTERNATIVES**

DRAWING NUMBER 04320

DATE: APRIL 2023

SCALE: N.T.S.