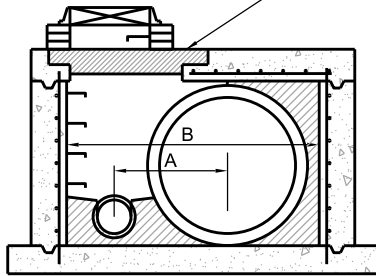


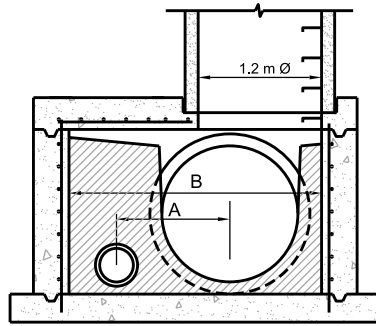
PLAN

SLAB REINFORCING

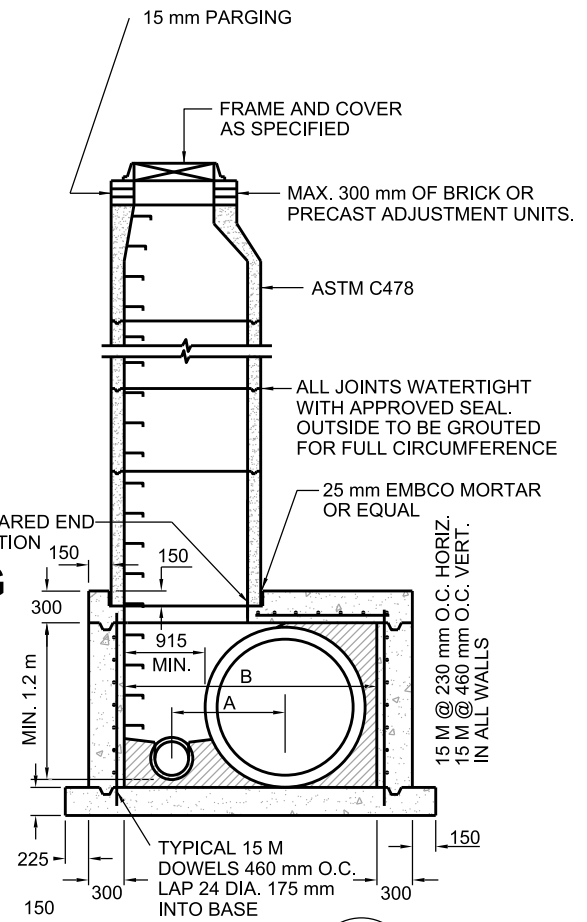
OPTIONAL PRECAST FLAT TOP AS PER A.S.T.M-C-478 FOR SHALLOW MAINTENANCE HOLE



SECTION C ALTERNATIVE



SECTION D



SECTION C

NOTES:

1. CONCRETE TO BE 32 MPa AT 28 DAYS CAST IN PLACE WITH 5-7% AIR ENTRAINMENT.
2. REINFORCING STEEL TO BE 350 MPa DEFORMED BARS MINIMUM COVER TO BE 50 mm LAP 24 BAR DIA.
3. FIRST STEP TO BE 75 to 300 mm BELOW FRAME, LAST STEP TO BE 300 mm ABOVE BENCHING OR 600mm ABOVE INVERT IF NO BENCHING.
4. ALL BOXES FOR FUTURE SEWERS TO HAVE 50 mm x 100 mm KEYWAY ON ALL SIDES.
5. TOP OF BENCHING TO BE SLOPED TO A MAXIMUM OF 8:1.
6. PARGING MIX ON ALL BRICK WORK TO BE 1:3 MORTAR MIX. AND APPLIED 15 mm THICK.
7. WATERPROOFING OVER PARGING TO BE TWO HEAVY COATS OF BITUMEN.

STORM SIZE	A DIMENSION				B DIMENSION
	SANITARY SIZE				
	250	300	375	450	
300	515	560	600	650	1675
375	560	600	650	690	1675
450	600	650	690	735	1675
525	650	690	735	780	1675
600	690	735	780	825	1750
675	735	780	825	870	1830
750	780	825	870	915	1905
825	825	870	915	960	1980
900	870	915	960	1000	2135
975	915	960	1000	1045	2210
1050	960	1000	1045	1090	2285
1200	1045	1090	1135	1180	2435
1350	1135	1180	1225	1270	2590
1500	1225	1270	1315	1360	2740
1650	1315	1360	1400	1445	2895
1800	1400	1445	1490	1535	3125
1950	1490	1535	1580	1625	3275
2100	1580	1625	1670	1715	3455

ALL DIMENSIONS ARE IN mm

All dimensions are in millimetres unless otherwise shown.



ENGINEERING AND CONSTRUCTION SERVICES STANDARD DRAWING

TYPICAL DUAL MAINTENANCE HOLE
WITH PRECAST STACK
(STRAIGHT RUNS ONLY)

REV 1 APR 2013

T-701.013-3

NTS SHEET 1