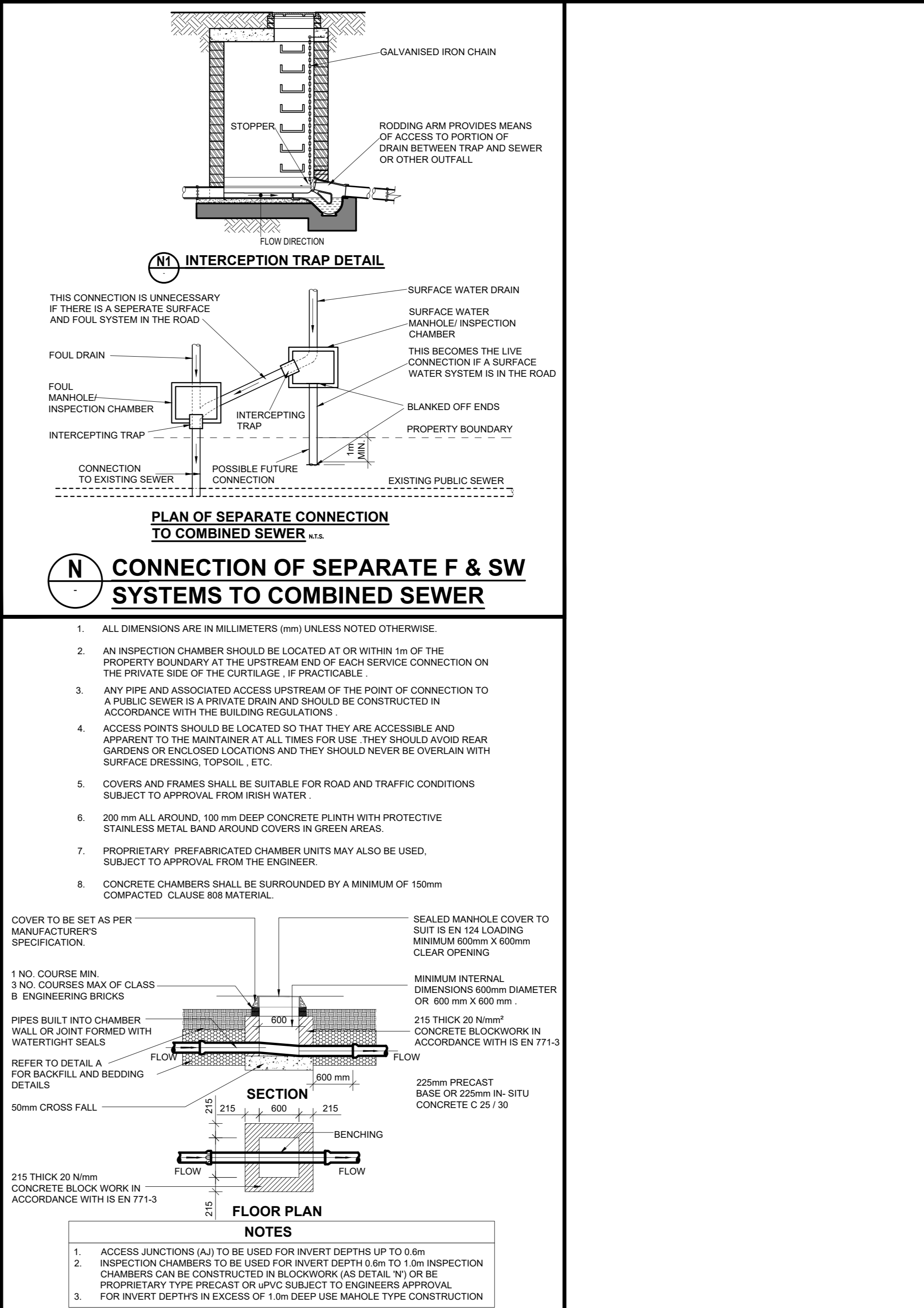
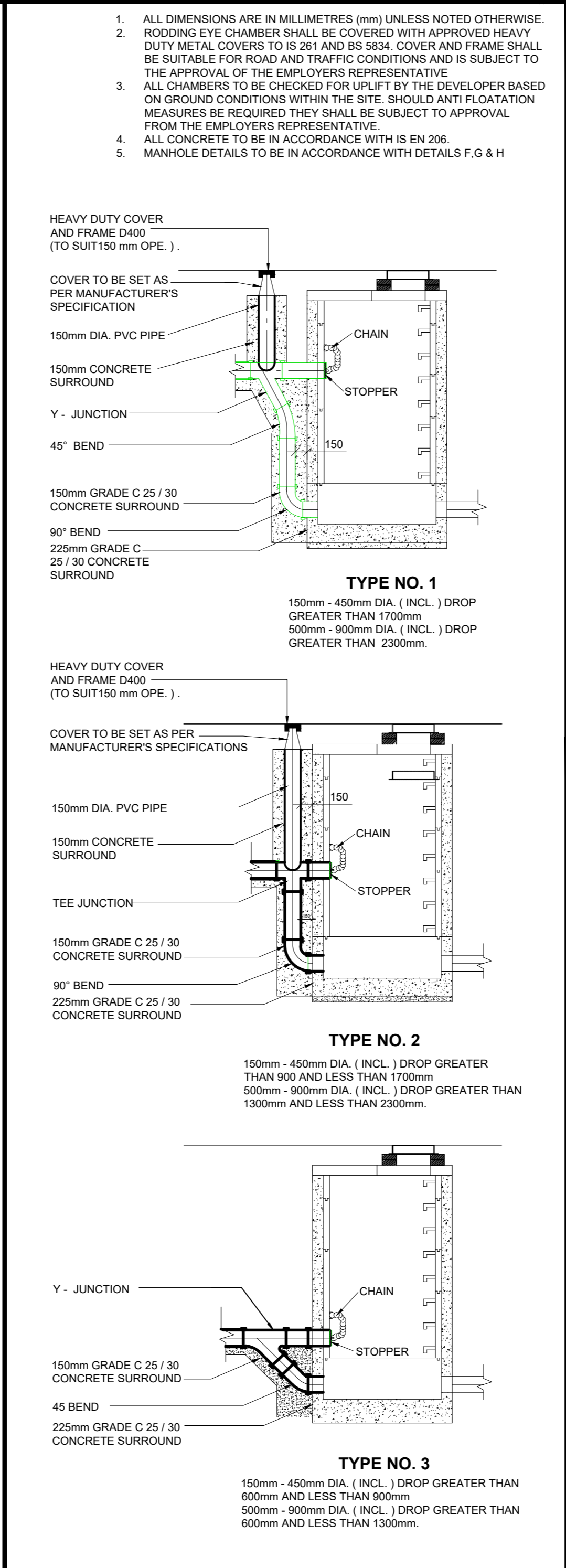
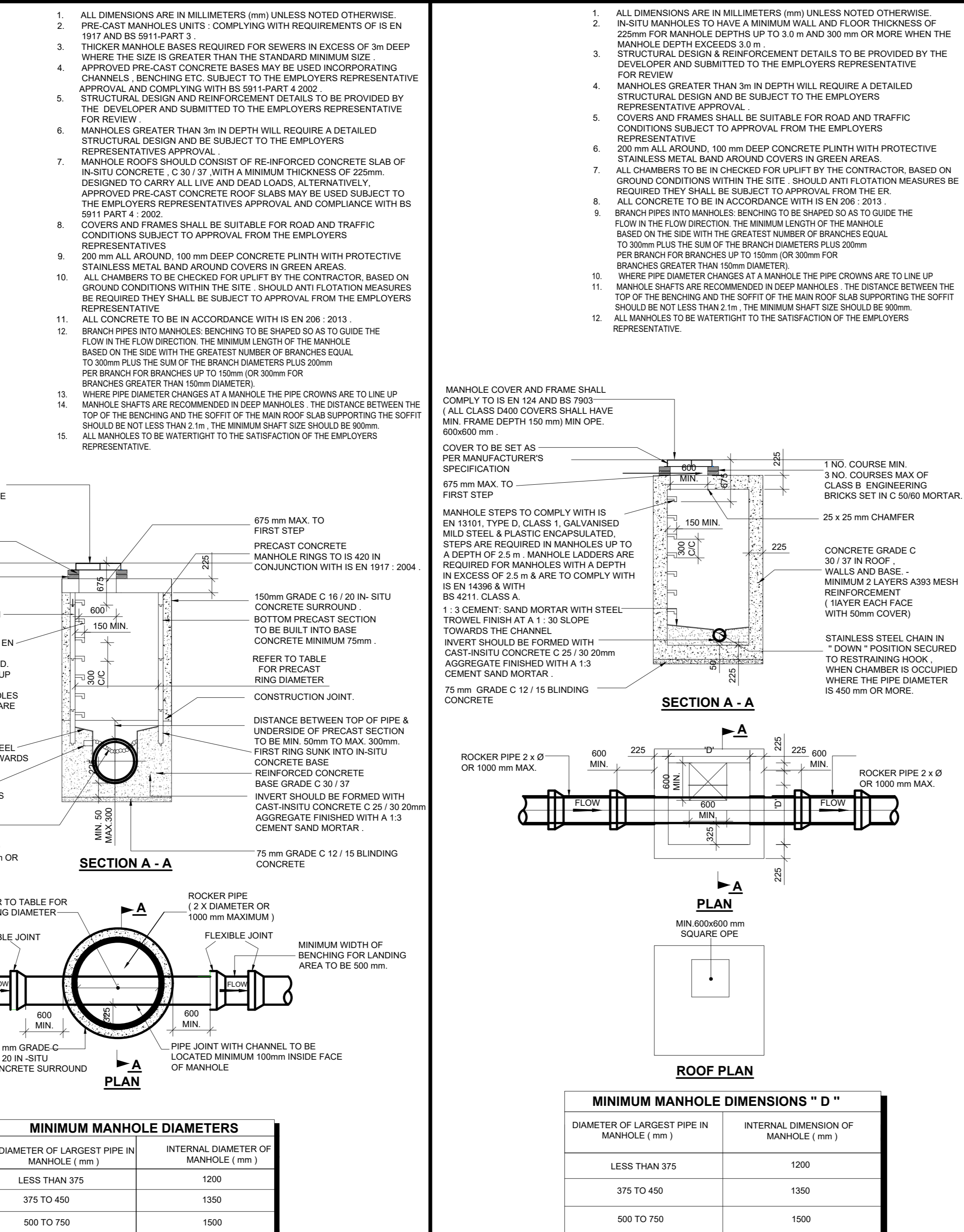
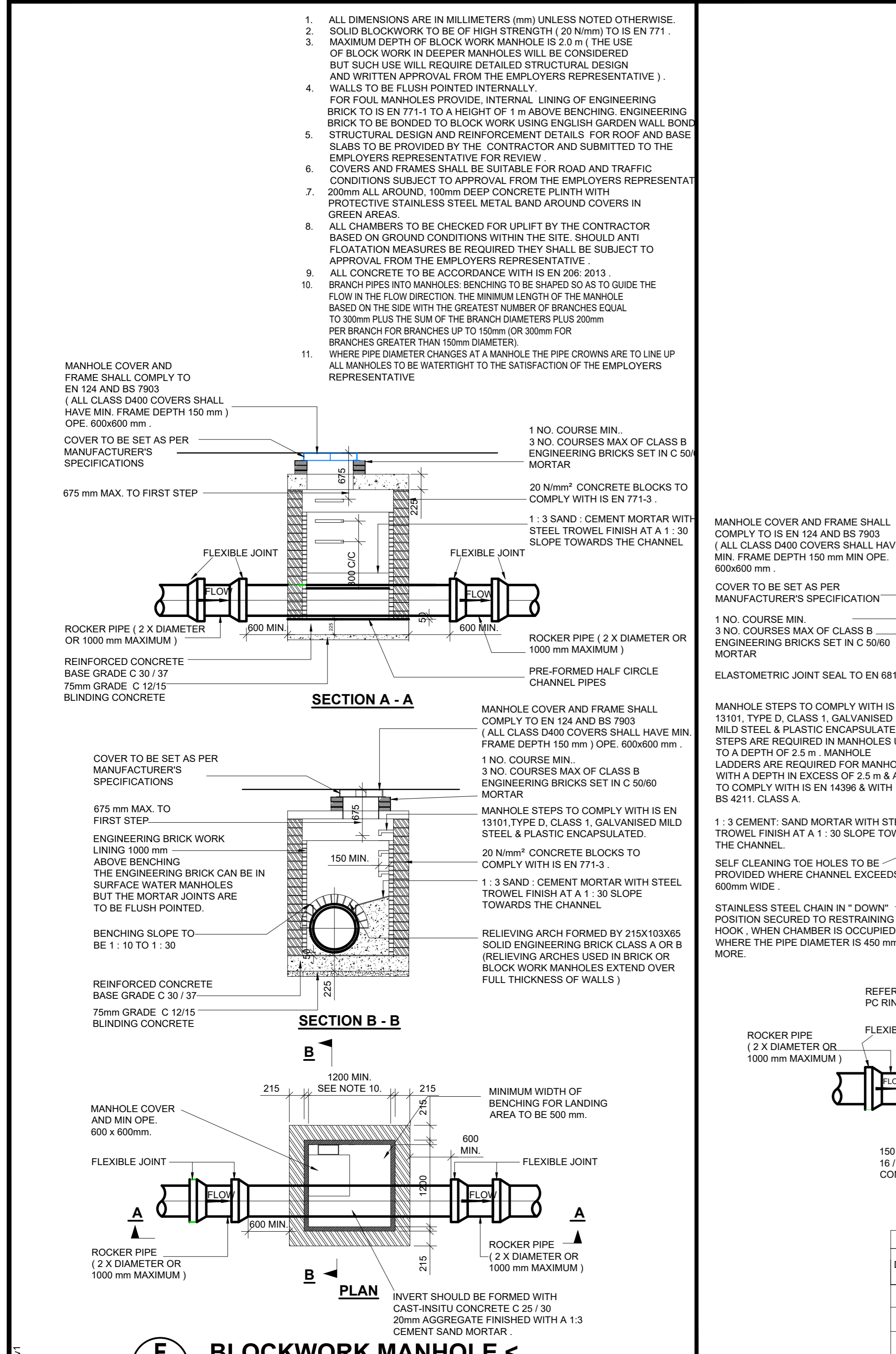


**NOTES**

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ENGINEERS & ARCHITECTS' DRAWINGS & FIGURED DIMENSIONS ONLY (NOT SCALING) TO BE USED. WHERE A CONFLICT OF INFORMATION EXISTS OR IF IN ANY DOUBT - ASK.
- CONSULTANTS TO BE INFORMED IMMEDIATELY OF ANY DISCREPANCIES BEFORE WORK PROCEEDS.
- WASTE DRAINAGE DETAILS TO BE IN ACCORDANCE WITH IRISH WATER REQUIREMENTS UNLESS NOTED OTHERWISE. REFER TO IRISH WATER DETAILS FOR ADDITIONAL INFORMATION.
- REFER TO THE STRUCTURAL WATERMAIN DETAILS DRAWING FOR A TYPICAL SERVICE LAYOUT UNDER A FOOTPATH.
- CONNECTION OF BRANCHES TO THE MAIN LINE ARE TO BE BY MEANS OF 45° BRANCH CONNECTIONS, SADDLE CONNECTIONS NOT ALLOWED.
- INTERNAL GROUND FLOOR FLOOR CONNECTIONS TO DRAIN SEPARATED FROM THE UPPER STOREY.
- ALL BURIED PIPES UNDER GROUND FLOOR SLABS TO BE ENCASED IN CONCRETE.
- ALL GULLY GRATING AND LIDS TO BE MIN. D400 RATING.



**MINIMUM MANHOLE DIAMETERS**

DIAMETER OF LARGEST PIPE IN MANHOLE (mm)	INTERNAL DIAMETER OF MANHOLE (mm)
LESS THAN 375	1200
375 TO 450	1300
450 TO 500	1500
500 TO 750	1500

**MINIMUM MANHOLE DIMENSIONS "D"**

DIAMETER OF LARGEST PIPE IN MANHOLE (mm)	INTERNAL DIMENSION OF MANHOLE (mm)
LESS THAN 375	1200
375 TO 450	1300
450 TO 500	1500
500 TO 750	1500

**MINIMUM MANHOLE DIMENSIONS "D"**

DIAMETER OF LARGEST PIPE IN MANHOLE (mm)	INTERNAL DIMENSION OF MANHOLE (mm)
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LESS THAN 375	1200
375 TO 450	1300
450 TO 500	1500
500 TO 750	1500

**PLANNING**

PL2	10.08.22	PLANNING ISSUE	AM
PL1	21.11.21	PLANNING ISSUE	MR
ISSUE	DATE	DESCRIPTION	BY
Project Engineer: BON		Project Designer: MR	

**BM PROJECT No. 21.154**

**SITE 10, NORTHERN CROSS, MALAHIDE RD., DUBLIN 17**

**STANDARD DRAINAGE DETAILS**

DRAWING REFERENCE: BTNC-BMD-ZZ-ZZ-DR-C-1200 PL STATUS: PL REVISION: 2