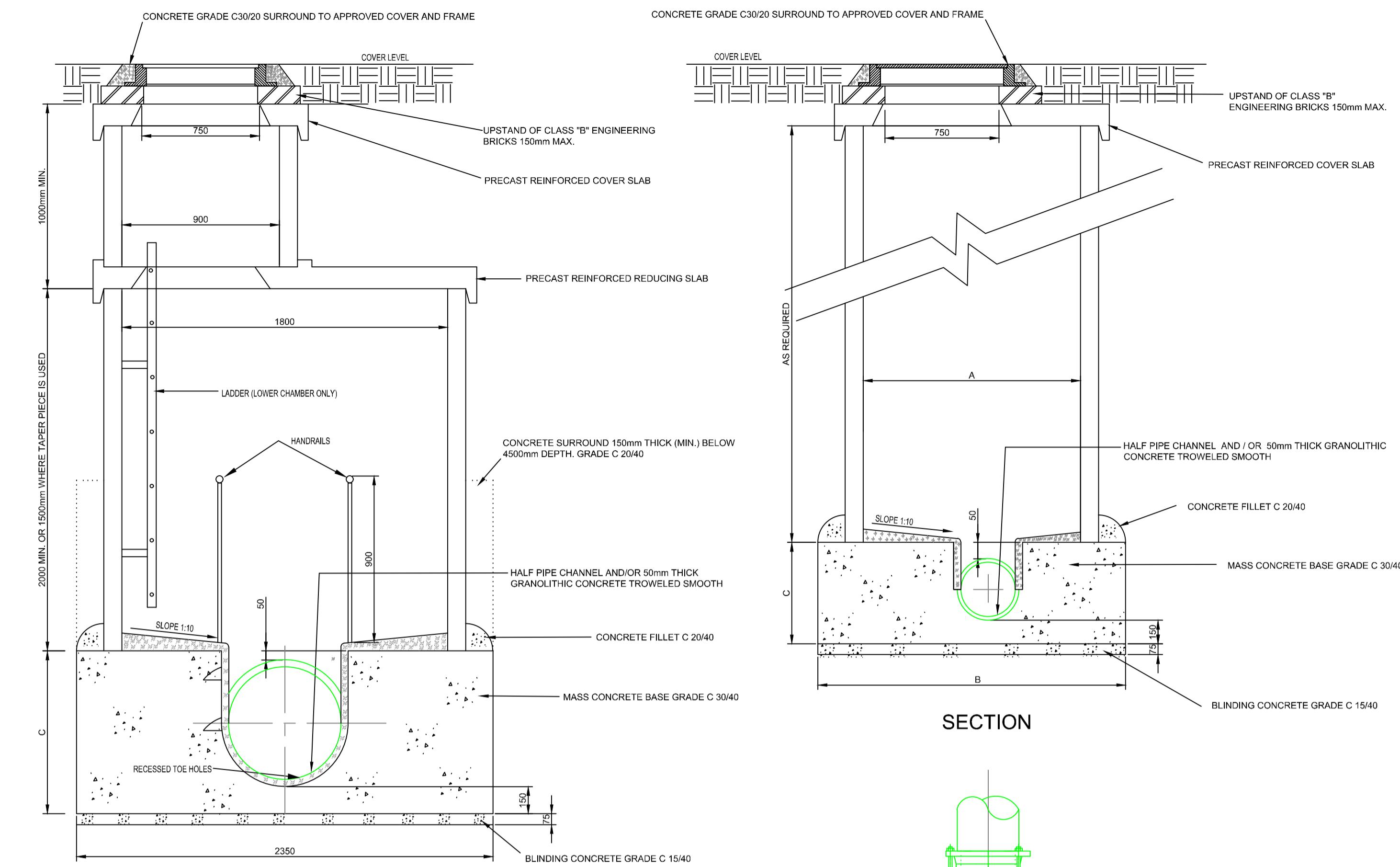
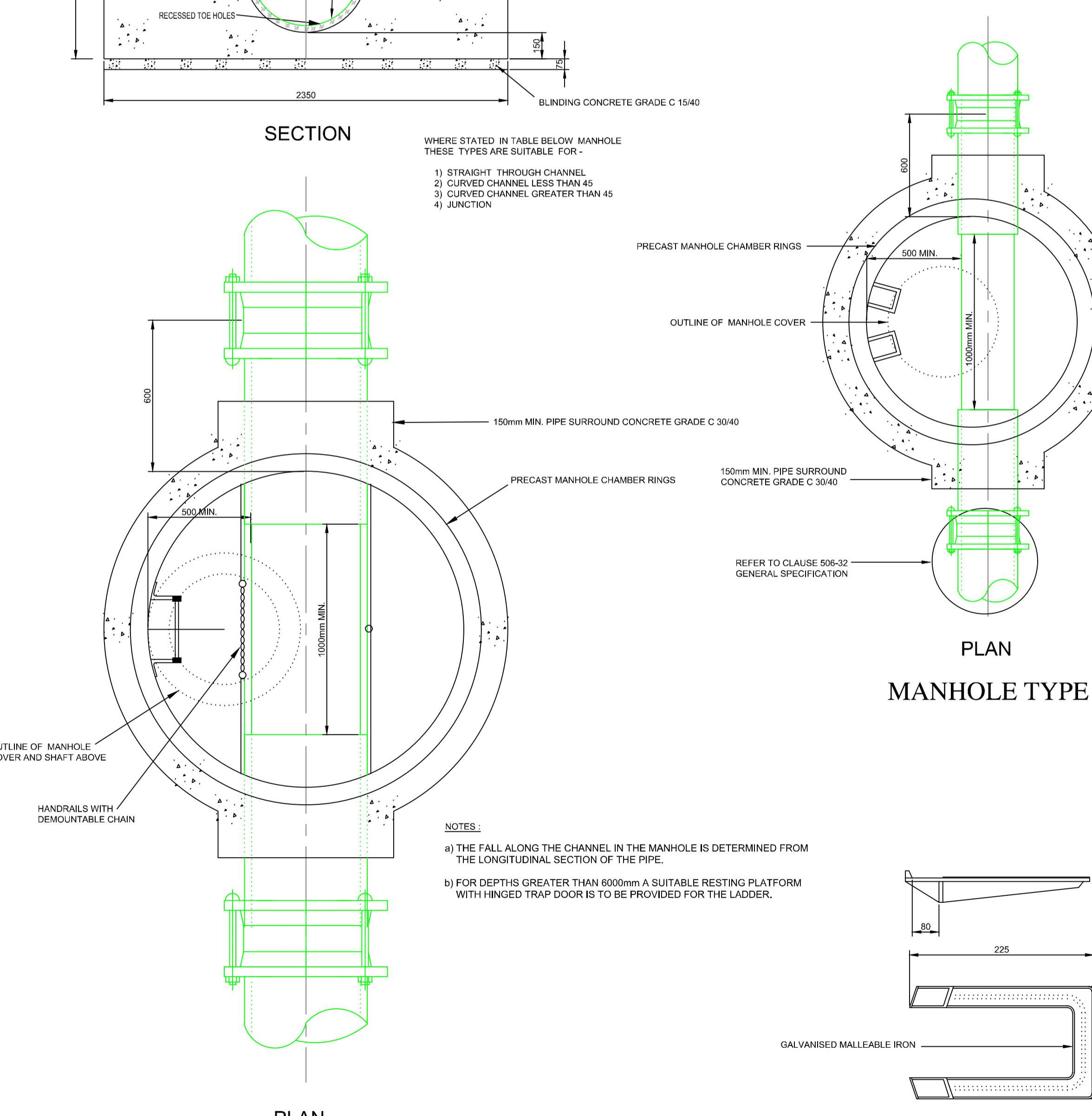


DETAIL OF SAFETY BAR

DETAIL OF BACK-DROP TO MANHOLE



SECTION



DETAIL OF STEP IRON

NOTES

- 1. ALL DIMENSIONS IN MILLIMETRES UNLESS STATED OTHERWISE.
- 2. ALL MANHOLES TO HAVE A 150mm THICK CONCRETE SURROUND REGARDLESS OF DEPTH OR DIAMETER.
- 3. THESE STANDARD DETAILS ALSO APPLY TO FOUL DRAINAGE WITHIN THE SCHOOL SITE.

MANHOLE TYPE NUMBER	EXIT PIPE DIAMETER	MAXIMUM DEPTH TO INVERT mm	MANHOLE CHANNEL CONFIGURATION	MANHOLE CHAMBER DIAMETER - A mm	MANHOLE BASE DIA. - B mm	HEIGHT OF MH. BASE - C mm	NOTES
TYPE 1	A	UP TO 350 DIA.	3650	ALL ARRANGEMENTS	1200 DIA.	1700 DIA.	EXIT PIPE DIA. + 275 SEE DETAIL NOTES : 1 - 4
	B	375-800 DIA.	4100	1) STRAIGHT THROUGH 2) CURVED CHANNEL<45°	1500 DIA.	2000 DIA.	EXIT PIPE DIA. + 325 DITTO : 1 - 7
	C	375-600 DIA.	3900	3) CURVED CHANNEL>45° 4) JUNCTION	1500 DIA.	2000 DIA.	EXIT PIPE DIA. + 300 DITTO : 1 - 7
	D	675-1100 DIA.	4300	1) STRAIGHT THROUGH 2) CURVED CHANNEL<45°	1800 DIA.	2350 DIA.	EXIT PIPE DIA. + 350 DITTO : 1 - 7
	E	675-900 DIA.	4200	3) CURVED CHANNEL>45° 4) JUNCTION	1800 DIA.	2350 DIA.	EXIT PIPE DIA. + 350 DITTO : 1 - 7
TYPE 2	A	UP TO 350 DIA.	3650 - 6350	ALL ARRANGEMENTS	1800 DIA.	2350 DIA.	EXIT PIPE DIA. + 275 SEE DETAIL NOTES : 1 - 4 & 8
	B	375-800 DIA.	4100 - 6500	1) STRAIGHT THROUGH 2) CURVED CHANNEL<45°	1800 DIA.	2350 DIA.	EXIT PIPE DIA. + 325 DITTO : 1 - 8
	C	375-600 DIA.	3900 - 6500	3) CURVED CHANNEL>45° 4) JUNCTION	1800 DIA.	2350 DIA.	EXIT PIPE DIA. + 300 DITTO : 1 - 8
	D	675-1100 DIA.	4300 - 6850	1) STRAIGHT THROUGH 2) CURVED CHANNEL<45°	1800 DIA.	2350 DIA.	EXIT PIPE DIA. + 350 DITTO : 1 - 8
	E	675-900 DIA.	4200 - 6750	3) CURVED CHANNEL>45° 4) JUNCTION	1800 DIA.	2350 DIA.	EXIT PIPE DIA. + 350 DITTO : 1 - 8

DETAIL NOTES

- 1) FOR BEDDING AND SEALING OF CHAMBER RINGS - THE TOP RING (TO P.C. COVER SLAB) AND BOTTOM RING TO BE BEDDED WITH CEMENT MORTAR. FOR INTERMEDIATE RINGS, JOINTS TO BE SEALED WITH EITHER APPROVED PREFORMED JOINTING STRIP OR BY LIBERALLY COATING THE FACES OF THE JOINTS WITH APPROVED BITUMINOUS MATERIAL PRIOR TO BEING POSITIONED : SURPLUS MATERIAL TO BE NEATLY STRUCK OFF.
- 2) ENTRY AND EXIT PIPES TO BE BUILT IN MONOLITHICALLY WITH THE MANHOLE AND THE MANHOLE MADE WATERTIGHT.
- 3) BRANCH BENDS TO BE CURVED IN THE DIRECTION OF FLOW.
- 4) THE DESIGN OF ALL DEEP MANHOLES (>3M DEEP) IS SUBJECT TO APPROVAL.
- 5) PROVIDE RECESSED TOE HOLES IN CHANNELS OVER 450mm IN DEPTH. (SEE TYPE 2 MANHOLE)
- 6) FOR 600mm DIA. EXIT PIPES AND OVER, A SAFETY BAR OR CHAIN IS TO BE PROVIDED. (BOTH AS DETAILED)
- 7) FOR 600mm DIA. EXIT PIPES AND OVER, PROVIDE 25mm GALVANISED SOLID BAR HANDRAILS WITH CHAIN - ONE END DEMOUNTABLE - AT EDGES OF BENCHING. (SEE TYPE2 MANHOLE)

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P01	21.08.2024	ISSUED FOR INFORMATION	K. Lim	N.S.	N.S.
REV	DATE	DESCRIPTION	D	C	A
PROJECT No. 80192		STAGE PLANNING			
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CLIENT  T +353 1 707 2088 E cluid@cluid.ie					
PROJECT CLUID HOUSING MAHON					
TITLE SURFACE WATER STANDARD DETAILS SHEET 1					
SCALES @ A1 NOT TO SCALE	DRAWN K. Lim	CHECKED N. Skelton	APPROVED N. Skelton		
	DATE 21.08.2024	DATE 21.08.2024	DATE 21.08.2024		
SUITABILITY CODE S2	SUITABILITY DESCRIPTION FOR INFORMATION				
DRAWING No. 80192-NOD-01-XX-DR-C-08410			REVISION P01		