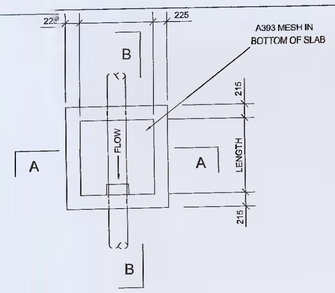
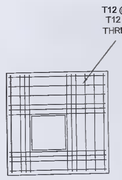
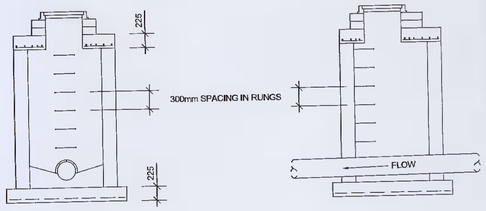


PLAN



PLAN OF ROOF SLAB



SECTION A - A

SECTION B - B

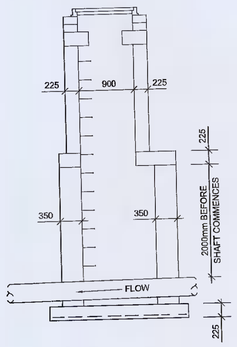
DETAILS OF STANDARD

MANHOLE UP TO 3000 DEEP

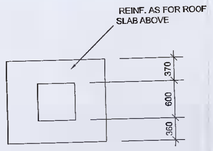
(FOR DIMENSIONS ETC. SEE TABLE 1)

PLAN

PLAN OF CHAMBER SLAB



SECTION C - C



PLAN OF ROOF SLAB

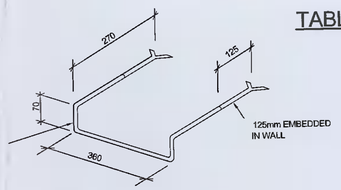
DETAILS OF STANDARD

MANHOLE 3000-6000 DEEP

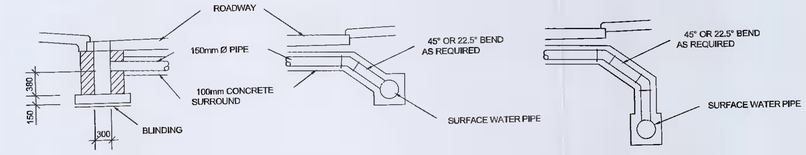
(FOR DIMENSIONS ETC. SEE TABLE 1)

DEPTH	DIAMETER OF PIPE	ANGLE	MINIMUM DIMENSIONS		P.C. CONCRETE CIRCULAR SHAFT INTERNAL MH Ø
			LENGTH	WIDTH	
LESS THAN 1200	100	0-90°	1200	750	1050
	150	0-90°	1200	750	1050
	225	0-30°	1200	750	1050
		30°-90°	1200	750	1050
	300	0-30°	1200	750	1050
		30°-90°	1200	900	1050
	375	0-90°	1200	900	1050
	450	0	1200	1050	1050
		0-90°	1200	1200	1050
	525	0	1200	1200	1050
		0-90°	1200	1200	1200
	600	0	1200	1200	1200
		0-45°	1200	1350	1200
		45°-90°	1350	1350	1350
	750	0-45°	1200	1350	1350
		45°-90°	1350	1350	1350
	900	0-45°	1350	1500	1500
		45°-90°	1500	1500	1800
1200-3500	100	0-90°	1200	900	1200
	150	0-90°	1200	900	1200
	225	0-90°	1200	900	1200
	300	0-90°	1200	900	1200
	375	0-90°	1200	900	1200
	450	0	1200	1050	1200
		0-45°	1350	1350	1350
		45°-90°	1200	1350	1350
	525	0	1200	1200	1350
		0-45°	1200	1350	1350
		45°-90°	1350	1350	1350
	600	0-45°	1200	1350	1350
		45°-90°	1350	1350	1350
	750	0-45°	1200	1350	1350
		45°-90°	1350	1350	1350
	900	0-45°	1350	1500	1800
		45°-90°	1500	1500	1800
3500-6000	100	0-90°	1200	900	1200
	150	0-90°	1200	900	1200
	225	0-90°	1200	900	1200
	300	0-90°	1200	900	1200
	375	0-90°	1200	900	1200
	450	0-45°	1200	1350	1350
		45°-90°	1350	1350	1350
	525	0-45°	1200	1350	1350
		45°-90°	1350	1350	1500
	600	0-45°	1200	1350	1350
		45°-90°	1350	1350	1500
	750	0-45°	1200	1350	1500
		45°-90°	1350	1350	1500
	900	0-45°	1350	1500	1800
		45°-90°	1500	1500	1800

TABLE 1



DETAIL OF STEP RUNG



GULLY CONNECTION TO S.W. SEWER ACROSS ROADWAY

MANHOLE TYPE	DIA. OF INLET	DROP	DIA. OF DROP	X
TYPE A	225	0-500	225	-
B		500-1000	225	225
C		> 1000	225	225
TYPE A	300	0-600	300	-
B		600-1000	300	300
C		> 1000	225	300
TYPE A	375	0-750	450	-
B		750-1200	300	450
C		> 1200	300	300
TYPE A	450	0-750	450	-
B		750-1200	300	450
D		> 1200	300	450
TYPE A	525	0-750	525	-
B		750-1200	375	525
D		> 1200	300	375
TYPE A	600	0-750	600	-
B		750-1500	375	375
D		> 1500	375	375
TYPE A	750	0-750	600	-
B	750	750-1500	450	450
D		> 1500	375	450

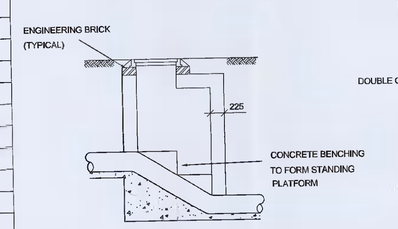
TABLE 2

NOTES

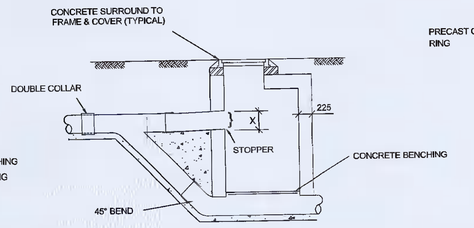
1. PRECAST MANHOLES SHALL HAVE 150mm CONCRETE SURROUND UNLESS MANUFACTURER CAN SHOW, TO THE ENGINEERS SATISFACTION, THAT PERMANENTLY WATERPROOF JOINTS CAN BE ACHEIVED BY SOME OTHER METHOD
2. FOR 750mm Ø PIPES OR GREATER, USE A SAFETY CHAIN AND PROVIDE 25mm Ø GALVANISED SOLID BAR HANDRAILS AT EDGES OF BENCHING
3. STEP RUNGS TO BE PROVIDED IN MANHOLES MORE THAN 1m DEEP
4. WALLS TO MANHOLES TO BE AS FOLLOWS:
   FOUL MANHOLE
   MASS CONCRETE GRADE C30 TO BS8110 OR
   SOLID BLOCKWORK FACED WITH ENGINEERING BRICKWORK.
   SURFACE WATER MANHOLE
   MASS CONCRETE OR SOLID CONCRETE BLOCKWORK
5. MANHOLE COVERS & FRAMES ARE TO BE IN ACCORDANCE WITH IS261 OR BS497
   Carriageways ... GRADE A
   Footpaths & Public grassed areas ... GRADE B
   Areas inaccessible to wheeled vehicles ... GRADE C
6. IN MANHOLES WHOSE PIPE DIAMETER IS GREATER THAN 375, ONE BENCHING SHOULD BE AT LEAST 400 WIDE
7. BENCHING TO BE OF CLASS C20 CONCRETE FINISHED WITH 2:1 SAND/CEMENT MORTAR

GENERAL NOTES

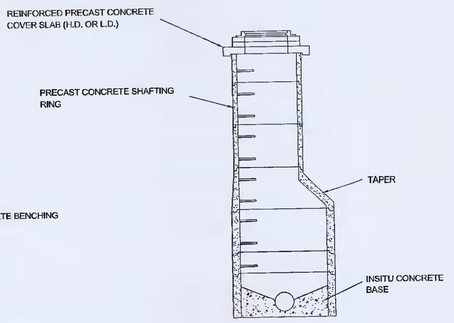
1. This Drawing is to be read in conjunction with all the Engineer's and Architect's Drawings and Specifications.
2. Do Not Scale. Use Figured Dimensions Only. Refer to the Architects Drawings for all setting out dimensions.
3. All Dimensions To Be Checked on-site. Engineer and Architect to be informed immediately of any discrepancies between the condition/ situation on site and that assumed on the Project Design Drawings.
4. IF IN DOUBT ASK.



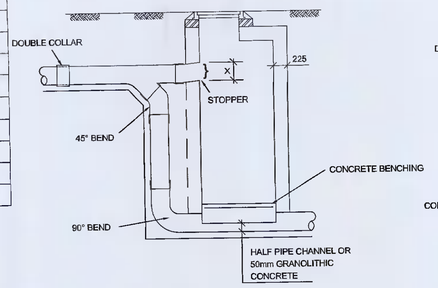
MANHOLE TYPE A
RAMP MANHOLE



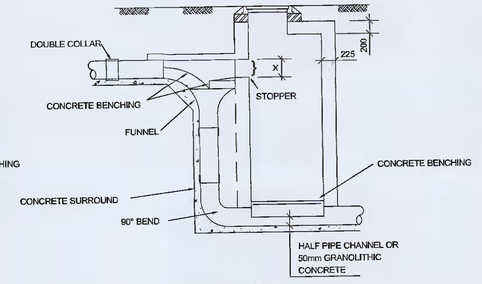
MANHOLE TYPE B
INTERMEDIATE DROP MANHOLE



PRECAST CONCRETE MANHOLE

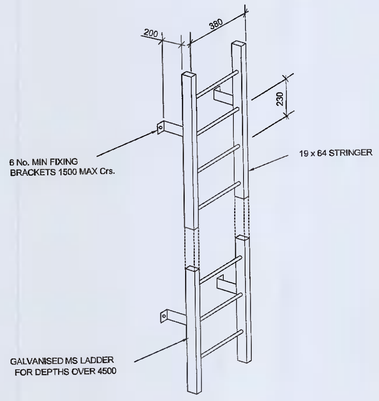


MANHOLE TYPE C
BACK DROP MANHOLE

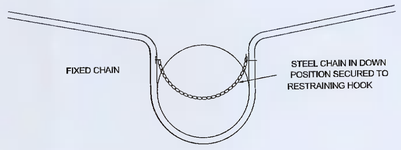


MANHOLE TYPE D
BACK DROP MANHOLE

[FOR DIMENSIONS ETC. TO MANHOLES TYPE A,B,C, & D SEE TABLE 2]



DETAIL OF ACCESS LADDER



TYPICAL DETAIL OF SAFETY CHAIN

Rev.	Description	By	Date
P12	ISSUED ISSUED FOR PLANNING	SCM	24/02/2022

Drawn By / Date	SCM	FEBRUARY 2022	Approved for Construction by:
Drawing Chk / Date			
Design By / Date	SCE	FEBRUARY 2022	
Design Chk / Date			

* Refer to Suitability "S4" for Original Signatures

SEXTON CONSULTING
The Five Roads, Jordanstown, Lusk, North County Dublin, Ireland, K45 NY74
t +353-1-8490999. e connect@sceg.ie

Client: CLONDALKIN RUGBY FOOTBALL CLUB LTD

Architect: CUMMINS & VOORTMAN ARCHITECTS

Project: CRFC KINGSWOOD RELOCATION
KINGSWOOD FARM MONEENALION
COMMONS LOWER CLONDALKIN D22

Title: SITE DEVELOPMENT WORKS
STANDARD MANHOLE DETAILS

Job No.	Creation
SC04/21020	FEBRUARY 2022

Project Code: Originator: Volume: Level: Type: Role: Number
CRFC - SC - SD - XX - DR - C - 2005

Suitability	Code	Revison ID
Issued for Planning	S2	P12

Status: PLANNING

A1