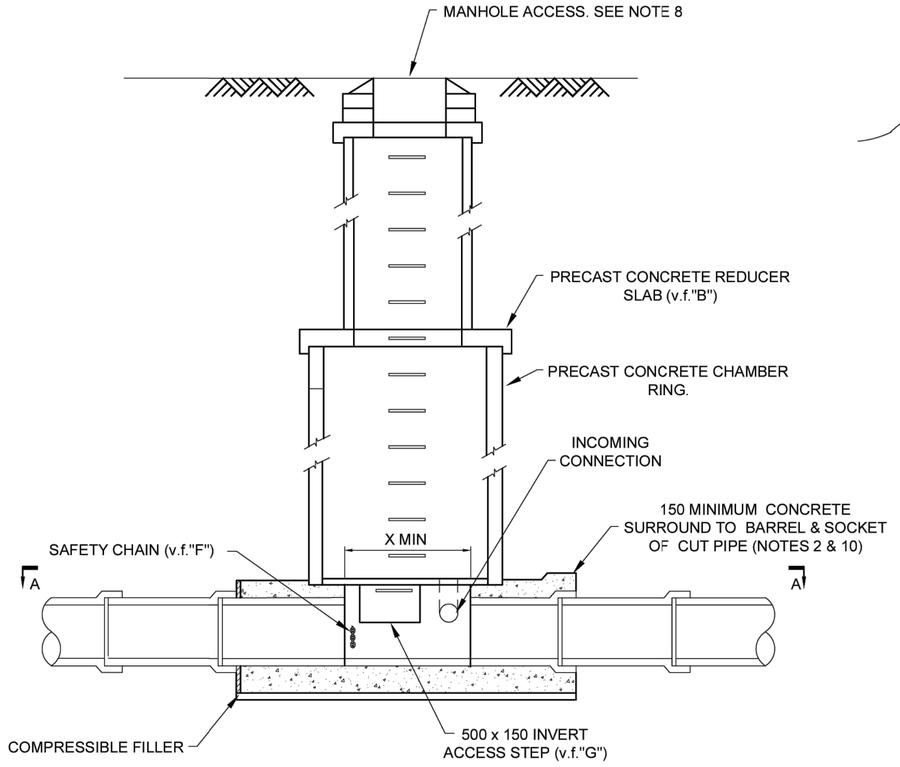
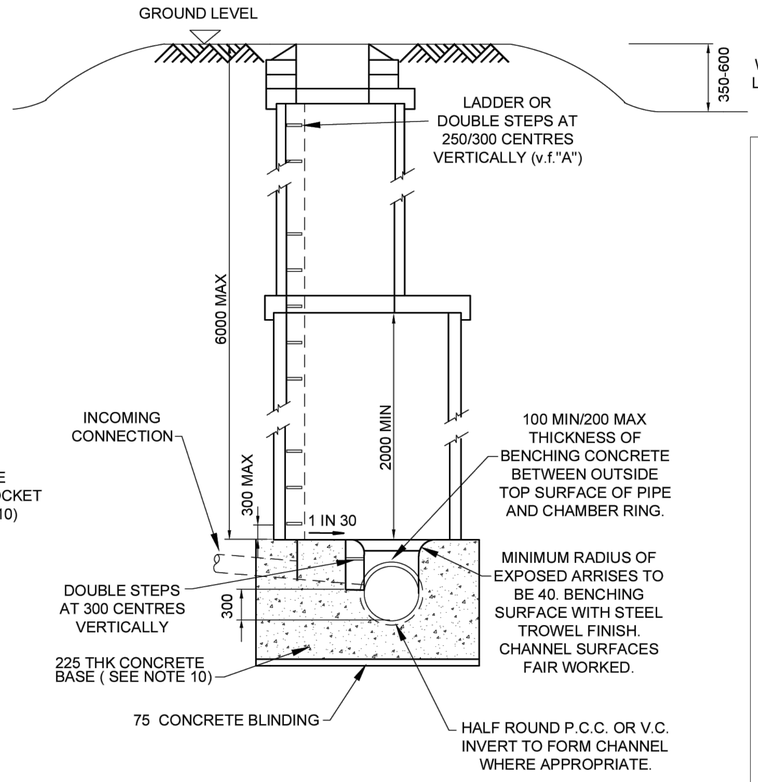
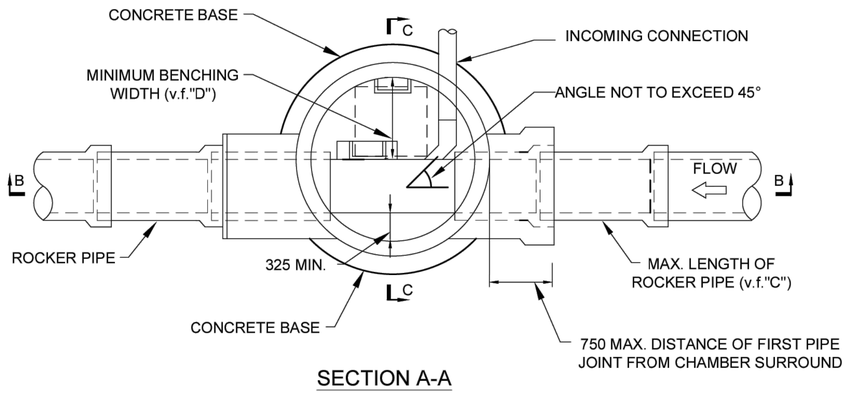


SECTION B-B



SECTION C-C



SECTION A-A

MANHOLE TYPE 1 - PIPES NOT EXCEEDING 525 DIAMETER (DEPTH TO BENCHING NOT EXCEEDING 6000)

NOTES

1. ALL DIMENSIONS ARE IN MILLIMETRES
2. CONCRETE BENCHING AND PIPE SURROUND

   SHALL BE PLACED IN SINGLE CONTINUOUS OPERATION FROM TOP OF BASE SLAB TO TOP OF BENCHING AND PIPE SURROUND
3. CONNECTION INTO MANHOLES

   SHALL BE CONSTRUCTED WITH THE SOFFITS LEVEL UNLESS DETAILED DIFFERENTLY ON CONTRACT DRAWINGS
4. METALWORK

   LADDERS, HANDRAILING AND SAFETY CHAIN SHALL BE AS SHOWN ON DEVELOPER SERVICES DETAIL 9 (STND/19/009)
5. CONCRETE SURROUND TO MANHOLES

   A CONCRETE SURROUND IS NOT NORMALLY REQUIRED TO MANHOLES UNLESS INSTALLED IN AREAS OF UNSTABLE GROUND, UNDER CONDITIONS OF FLOTATION OR WHERE SUBJECTED TO EXCEPTIONAL OR ECCENTRIC LOADS. IN WHICH CASES A 150 SURROUND OF AT LEAST 20 N/mm CONCRETE SHALL BE PROVIDED. ANY JOINTS SHOULD BE STAGGERED WITH PRECAST CONCRETE JOINTS
6. MINIMUM LENGTH OF CHANNEL (X Min)

CHAMBER DIA	"X" MIN
1050	800
1200	950
1350	1000
1500	1050
1800	1150
2100	1300
2400	1450
2700	1550
3000	1700

7. CUT ENDS OF REINFORCED CONCRETE PIPES

   SHALL BE TREATED WITH EPOXY RESIN PAINT/MORTAR
8. MANHOLE ACCESSES FOR MANHOLE ACCESS

   OPTIONS AND DETAILS SEE DEVELOPER SERVICES DETAIL 10 (STND/19/010)

   DOUBLE STEPS SHALL BE PLASTIC ENCAPSULATED CARBON STEEL TO BS EN 1247-2. DOUBLE STEPS SHALL NOT BE USED WHERE COVER-TO-SOFFIT DIMENSION IS >3.0m
9. COVER AND FRAME

   150 DEEP COVERS ARE TO BE USED IN CATEGORY 1, 2, 3 ROADS. 100 DEEP COVERS ARE TO BE USED IN CATEGORY 4 ROADS. DOUBLE TRIANGULAR COVERS ARE TO BE USED IN CARRIAGEWAY. ROAD CATEGORY TO BE DESIGNATED BY THE HIGHWAY AUTHORITY. FRAME TO BE SET AS PER SPECIFICATION
10. CONCRETE

    ALL IN-SITU CONCRETE TO BE DC - 3 OR FND3
11. VARIABLE FEATURES (V.F.)

    WHERE V.F. APPEARS IN ANNOTATION REFER TO VARIABLE FEATURES AS SHOWN ON DEVELOPER SERVICES DETAIL 10 (STND/19/010)

CIVIL / STRUCTURAL DESIGN RISK MANAGEMENT

Abnormal or unusual residual risks associated with the design outcomes shown on this drawing are:-

RSK LDE LTD has followed its Design Risk Management process for Hazard Elimination and Risk reduction in developing the designs shown on this drawing.
Abnormal or unusual residual risks may be shown above where it is considered that such risk may not normally be expected by competent persons engaged on work of this nature or type.

Rev	Date	Amendment	Drawn	Chkd	Appd
P1	27.02.23	First issue	MG	MS	

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Client: ANWYL

Project Title: Harry Dalton Fields, Chorlton

Status: DETAILED DESIGN

Drawing Title: Drainage Construction Details Sheet 1 of 8

Drawn	Date	Checked	Date	Approved	Date
MG	FEB 23	MS	FEB 23		

Scale	Orig Size	Dimensions
1:20	A1	m

Project No.	File Name
882551	40-09-01

Drawing No.							Rev.
882551						40-09	P1
Project No.	Orig.	Vol./Sys.	Lev./Loc.	Type	Role	Draw. No.	

F:\BIM\BIM LJMU\JOBS LIVE PROJECTS\882551 - HARRY DALTON FIELDS, CHORLTON ANWYL\DRAWINGS\ACAD\DRAINAGE CONSTRUCTION DETAILS.DWG