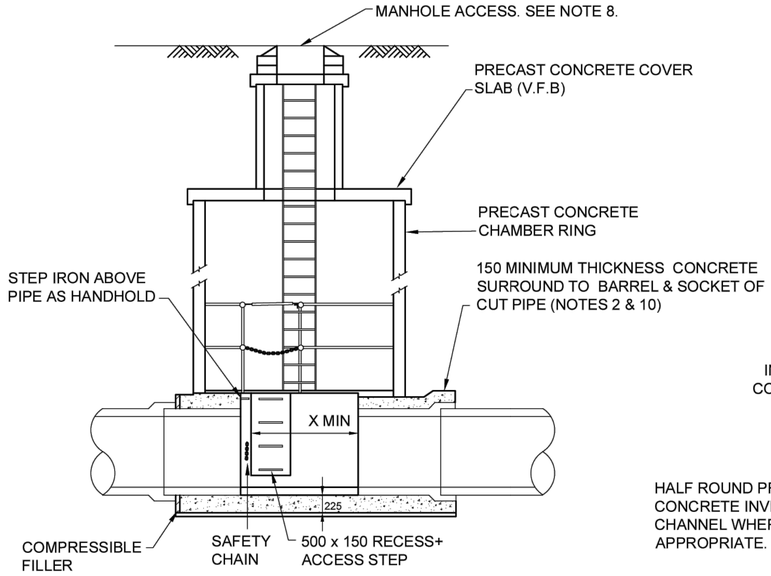
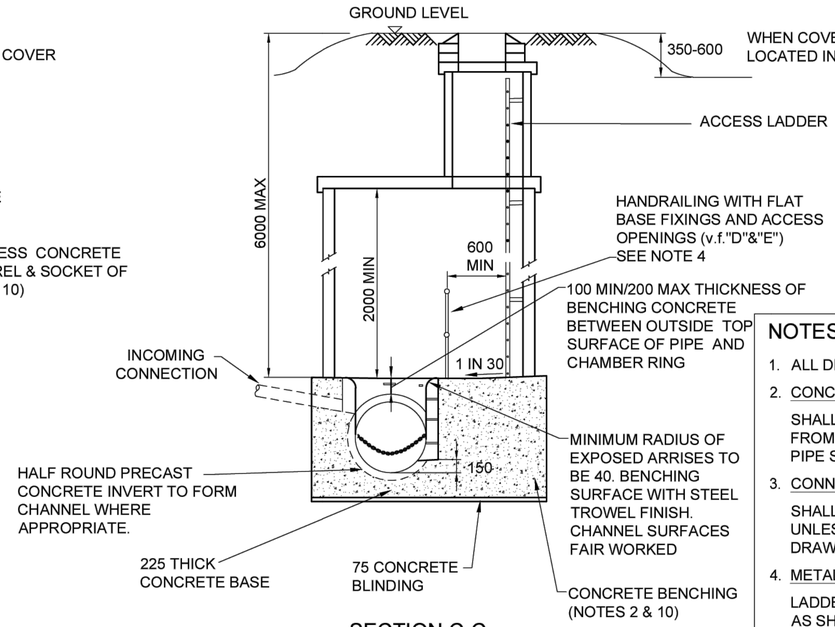
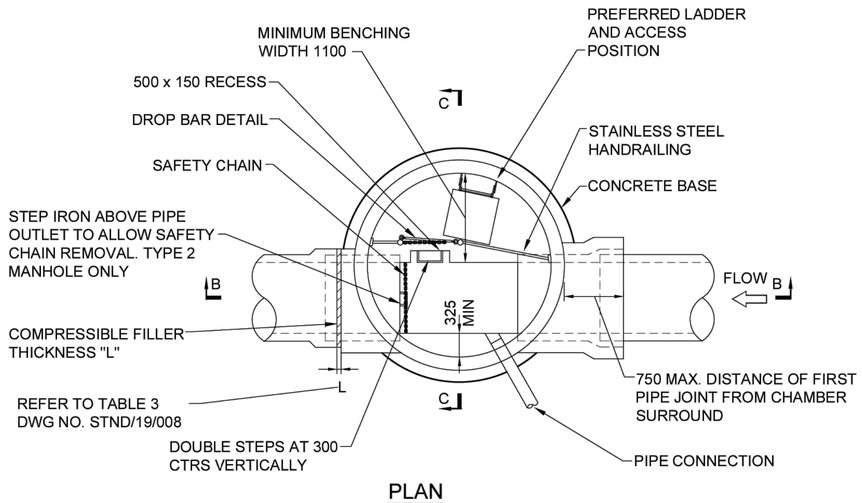


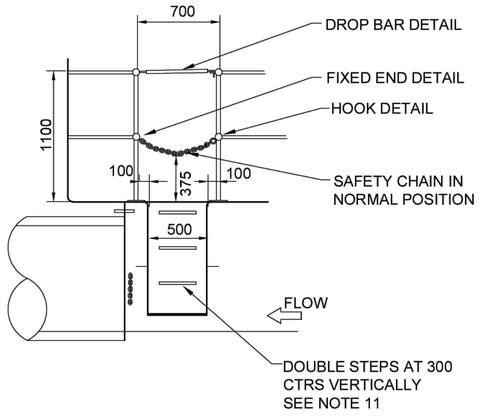

SECTION B-B



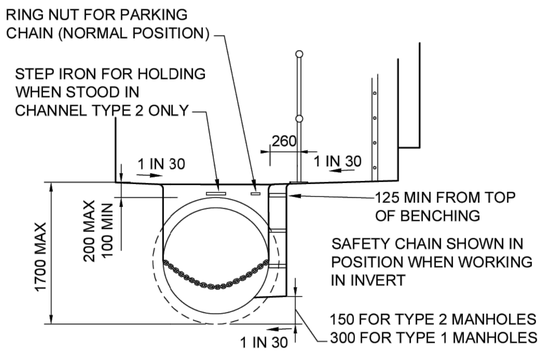

SECTION C-C




PLAN




FRONT ELEVATION




SIDE ELEVATION
(LOOKING DOWNSTREAM)

# MANHOLE TYPE 2
# PIPES 600 - 1500 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. 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 | |

LDE
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Client: ANWYL

Project Title: Harry Dalton Fields Chorlton

Status: DETAILED DESIGN

Drawing Title: Drainage Construction Details Sheet 2 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 | 40-09-02 |

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