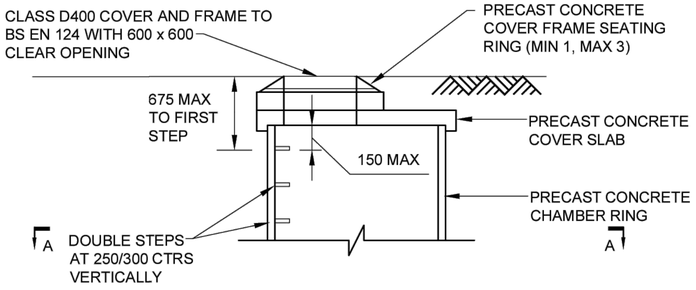
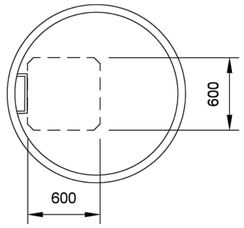
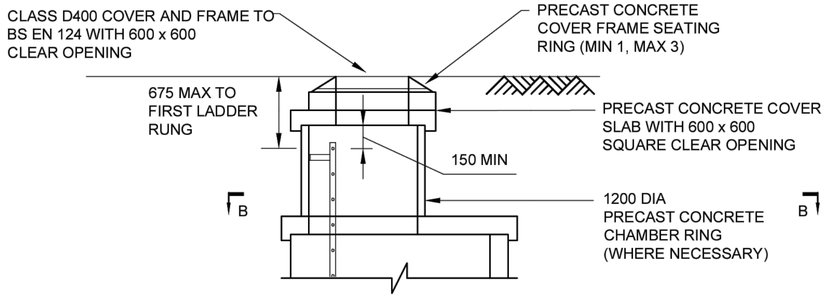
DO NOT SCALE FROM THIS DRAWING.



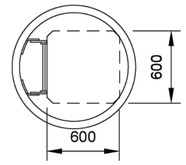
DOUBLE STEPS ACCESS



PLAN A-A



LADDER ACCESS



PLAN B-B

MANHOLE ACCESS DETAILS

		VARIABLE FEATURES (V.F.)	
A	MANHOLE SHAFT AND LADDER / DOUBLE STEP ACCESS	FOR 1200, 1350 AND 1500 MANHOLE CHAMBERS (OR WHERE THE DEPTH TO SOFFIT IS < 3M) A FULL HEIGHT (NO ACCESS SHAFT) CONSTRUCTION IS TO BE USED. FOR DEPTHS TO BENCHING FROM COVER LEVEL <3.0m DOUBLE STEP ACCESS SHALL BE USED. FOR MANHOLES DEEPER THAN 3.0m TO BENCHING A LADDER IS REQUIRED. FOR DOUBLE STEP ACCESS MINIMUM INTERNAL MANHOLE ACCESS SHAFT DIAMETER SHALL BE 1050. FOR LADDER ACCESS MINIMUM INTERNAL SHAFT DIAMETER SHALL BE 1200.	
B	MANHOLE COVER	DEPTH TO SOFFIT FROM COVER LEVEL <1.5M MINIMUM CLEAR OPENING SIZES 750 x 750 ON 1050 AND 1200 CHAMBER / SHAFT 1200 x 675 ON 1350 AND ABOVE CHAMBERS / SHAFTS BENEATH ALL MAN-ACCESS COVERS GREATER THAN 600x600 A RETRACTABLE SAFETY HANDHOLD SHALL BE PROVIDED. IT SHALL EXTEND 1200 ABOVE GROUND LEVEL	DEPTH TO SOFFIT FROM COVER LEVEL ≥ 1.5M MINIMUM CLEAR OPENING SIZES 600 x 600 FOR DOUBLE STEP ACCESS 600 x 600 FOR LADDER ACCESS 750 x 600 FOR FEATURE LADDER ACCESS

COVER SLAB CHAMBER DIA	HOLE SIZE IN COVER SLAB	COVER FRAME SEATING RING ON COVER SLAB DOUBLE STEP ACCESS	HOLE SIZE IN COVER SLAB	COVER FRAME SEATING RING ON COVER SLAB	
				DOUBLE STEP ACCESS	LADDER ACCESS
1050	750 x 750 C.O.	750 x 750 C.O.	600 x 600 E.O.	TYPE 1 - 600 x 600 E.O.	NOT APPLICABLE
1200	750 x 750 E.O.	750 x 750 E.O.	750 x 600 E.O.	TYPE 1 - 600 x 600 E.O.	TYPE 1 - 600 x 600 E.O.
1350 TO 1500	1200 x 675 C.O.	1200 x 675 C.O.	750 x 600 E.O.	TYPE 1 - 600 x 600 E.O.	TYPE 1 - 600 x 600 E.O.
1800 AND ABOVE	1200 x 675 E.O.	1200 x 675 E.O.	750 x 600 E.O.	TYPE 1 - 600 x 600 E.O.	TYPE 1 - 600 x 600 E.O.

NOTE : FOR LADDER ACCESS THE ECCENTRIC SEATING RING IS TURNED THROUGH 180 DEGREES
C.O. = CENTRAL OPENING E.O. = ECCENTRIC OPENING

REDUCING SLAB CHAMBER DIA	HOLE DIAMETER IN REDUCING SLAB
1200 TO 1500	REDUCING SLAB NOT USED
1800 AND ABOVE	1050 FOR DOUBLE STEP ACCESS OR 1200 FOR LADDER ACCESS

FEATURE RELATED TO PIPE DIAMETER	DIAMETER OF LARGER PIPES								
	225	300	375	450	525	600	675	750	825 AND ABOVE

C	ROCKER PIPES	ROCKER PIPE EFFECTIVE LENGTH : 600	ROCKER PIPE EFFECTIVE LENGTH : 1000	SEE NOTE 6
D	BENCHING WIDTH	MINIMUM 600	MINIMUM 750	MINIMUM 1100
E	BENCHING RAILINGS	NOT REQUIRED	REQUIRED	
F	SEWER SAFETY CHAINS	NOT REQUIRED	REQUIRED	
G	INVERT ACCESS STEP	NOT REQUIRED	REQUIRED WITH DOUBLE STEPS	
H	CHANNEL FITTINGS	VITRIFIED CLAY	NOT REQUIRED (CHANNELS FORMED USING GRANOLITHIC CONCRETE)	

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	27.02.2023	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 8 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	40-09-08

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