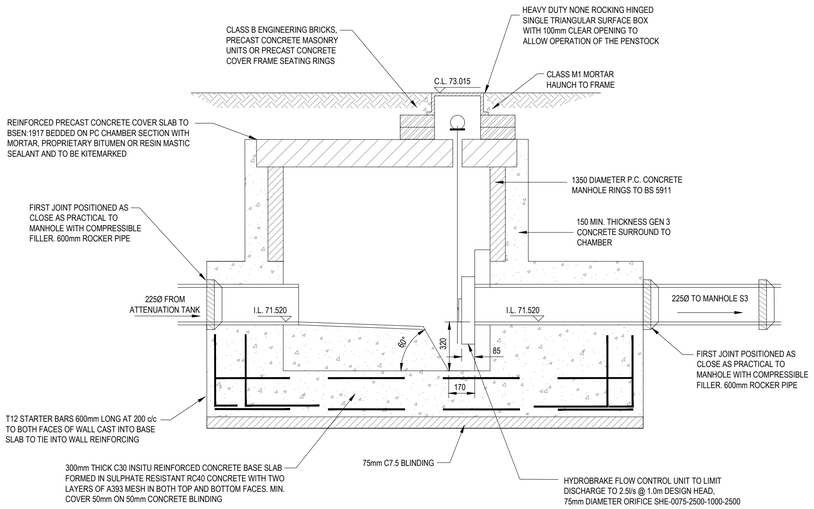
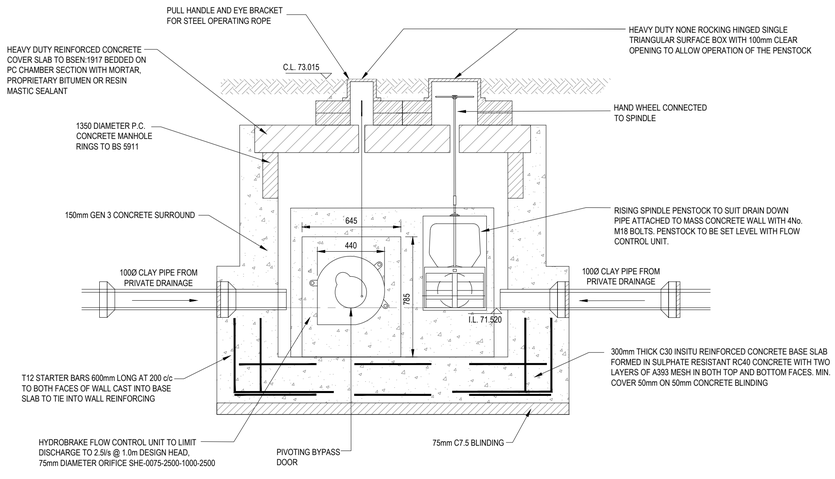
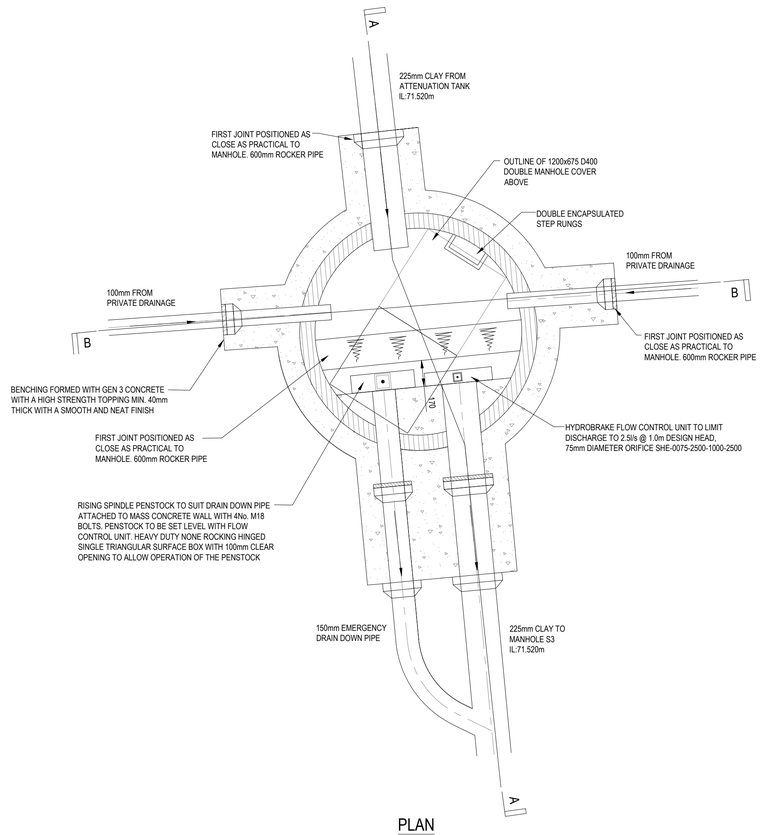


SECTION A-A



SECTION B-B



PLAN

MANHOLE REF	S2	
MANHOLE DIAMETER (mm)	1350	
COVER LEVEL (m)	73.015	
PIPE Ø (mm) | INVERT LEVEL (m)	225	71.520
	150	71.520
	100	71.570
	-	-
MANHOLE TYPE	FLOW CONTROL	
DEPTH TO SOFFIT (m)	1.270	
DEPTH TO CUT-OUT RECESS	N/A	
COVER SIZE (mm)	1200 x 685	
COVER DEPTH (mm)	150	
COVER SPEC	D400	
HOLE SIZE IN COVER SLAB	1200 x 685 E.O.	
LADDER OR DOUBLE STEPS?	DOUBLE STEPS	
SAFETY CHAIN	NO	
SAFETY RAILS	NO	
INVERT ACCESS STEPS	NO	
ROCKER PIPE LENGTH (mm)	600	
MINIMUM BENCHING WIDTH (mm)	600	
EASTING	388931.966	
NORTHING	396310.687	

ROCKER PIPES	
NOMINAL DIAMETER (mm)	EFFECTIVE LENGTH (m)
150-600	0.600
601-750	1.000
OVER 750	1.250

AS PER 'TABLE E13' IN THE DESIGN AND CONSTRUCTION GUIDANCE

ALL LATERAL CONNECTIONS INTO ADOPTABLE MANHOLES WILL BE MADE AT SOFFIT LEVEL TO THE MAIN CHANNEL

ALL MANHOLE BENCHING TO BE TO THE DESIGN AND CONSTRUCTION GUIDANCE WITH MIN 450mm FROM EDGE OF STEPPING WITH AN ADDITIONAL MIN 225mm OPPOSITE SIDE OF PIPE

ROCKER PIPES TO BE INSTALLED TO ALL MANHOLES AS PER DESIGN AND CONSTRUCTION GUIDANCE REQUIREMENTS, '*SECTION E6.6 - RIGID PIPES AND JOINTS ADJACENT TO STRUCTURES*' AND '*TABLE 'E13'*'

NOTES

1. SETTING OUT SHALL BE UNDERTAKEN USING ONLY THE INFORMATION GIVEN. DISTANCES SHOULD NOT BE SCALED FROM THIS DRAWING.
2. ALL SEWERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DESIGN AND CONSTRUCTION GUIDANCE AND WHERE APPLICABLE UNITED UTILITIES DETAILS
3. THE MINIMUM GRAVITY PIPE DIAMETER UNDER ADOPTABLE HIGHWAYS SHALL BE 150mm
4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL INFORMATION GIVEN WITH REGARDS TO EXISTING SERVICES AND DRAINAGE CONNECTIONS ETC. PRIOR TO COMMENCING THE WORKS. THE RATES SHALL INCLUDE FOR HAND DIG AROUND SERVICES WHERE NECESSARY. THE CONTRACTOR SHALL ADHERE TO THE CDM REGULATIONS AT ALL TIMES
5. THE OUTSIDES OF ALL SEWERS SHALL BE A MINIMUM OF 1.0m FROM KERB LINES AND THE OUTSIDE OF MANHOLES SHALL BE A MINIMUM OF 0.5m FROM KERB LINES
6. EXISTING FLOWS IN WATERCOURSES, SEWERS AND LAND DRAINS SHALL BE MAINTAINED AT ALL TIMES
7. ONLY TRAINED PERSONNEL SHALL BE PERMITTED TO ENTER CONFINED SPACES
8. ALL MATERIALS TO BEAR THE RELEVANT B.S. KITEMARK AND COMPLY FULLY WITH THE SPECIFICATIONS. ALL CONCRETE & CONCRETE PRODUCTS MUST USE SULPHATE RESISTANT CEMENT (UNLESS THE SITE INVESTIGATION REPORT PROVES THAT SULPHATE ATTACK FROM SOILS AND GROUNDWATER WILL NOT OCCUR TO WITHSTAND A CLASS
9. ALL OPENING NOTICES ETC. AS REQUIRED UNDER HIGHWAYS ACTS ETC. ARE TO BE OBTAINED PRIOR TO COMMENCEMENT OF WORKS. ALL WORKS ARE TO BE INSPECTED BY L.A., NHBC OR THE NETWORK OPERATOR AS APPLICABLE.
10. WHERE "ULTRA RIB" UPVC PIPES (OR SIMILAR APPROVED) ARE USED IN ADOPTABLE DRAINAGE THEY SHALL STILL BE HANDLED AND LAID IN ACCORDANCE WITH THE SPECIFICATION AND GUIDANCE ISSUED BY THE HIGH-PERFORMANCE PIPE ASSOCIATION.
11. A CLASS S BED AND SURROUND MUST BE USED FOR SUCH PIPES. TRENCH BACKFILL IN HIGHWAYS TO WITHIN 1m OF HIGHWAY SHALL, AS DIRECTED BY THE HIGHWAY AUTHORITY BE A SUITABLE GRANULAR MATERIAL ALL IN ACCORDANCE WITH SEWERS FOR ADOPTION CL. 4.3.4.
12. SLAB LEVELS SHALL NOT BE VARIED WITHOUT REFERENCE TO THE ENGINEER FOR GUIDANCE
13. DOMESTIC DRAINAGE SHALL BE TO BUILDING REGULATIONS APPROVED DOCUMENT H. 110mm U.P.V.C. PIPES LAID TO THE FOLLOWING MINIMUM FALLS UNLESS OTHERWISE SHOWN.

	FOUL	S.W.
HEAD RUN	1 IN 40	1 IN 60
ELSEWHERE	1 IN 80	1 IN 100

14. ALL GULLY CONNECTIONS TO BE 150mm VITRIFIED CLAY UNLESS NOTED OTHERWISE
15. MINIMUM COVER TO DRAINAGE SOFFIT LEVEL;

LANDSCAPING	TRAFFICKED AREAS	HIGHWAYS
0.600m	0.900m	1.200m

- CLASS 'S' BEDDING AND SURROUND TO BE USED WHERE MINIMUM COVER IS ACHIEVED.
- WHERE MINIMUM COVER IS NOT ACHIEVED CLASS 'Z' BEDDING AND SURROUND (CONCRETE ENCASEMENT) IS TO BE USED.

16. ALL PIPES TO BE 100Ø UNLESS NOTED
17. DRAINAGE CHANNELS ARE TO CONNECT DIRECTLY INTO ATTENUATION TANK
18. ALL INSPECTION CHAMBER SIZES TO BE 450Ø

REVISIONS

REV	DESCRIPTION	DATE	BY
A	FIRST ISSUE	08.04.24	LC

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Client Name:
R & M PROPERTY GROUP LTD

Project Title:
CROSS LANE / VAREY STREET
GORTON

Drawing Title:
FLOW CONTROL DETAILS
VAREY STREET

Date:	08.04.2024	Drawn By:	LC
Scale:	1:20 @ A1	Checked:	LR
Status:	DESIGN	Approved:	NMc

Drawing No: SCP-230871-S106-0500-041
Rev: A

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