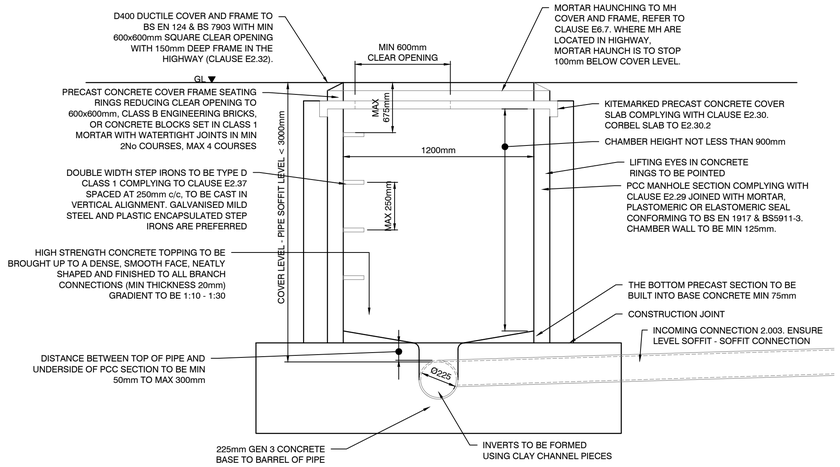
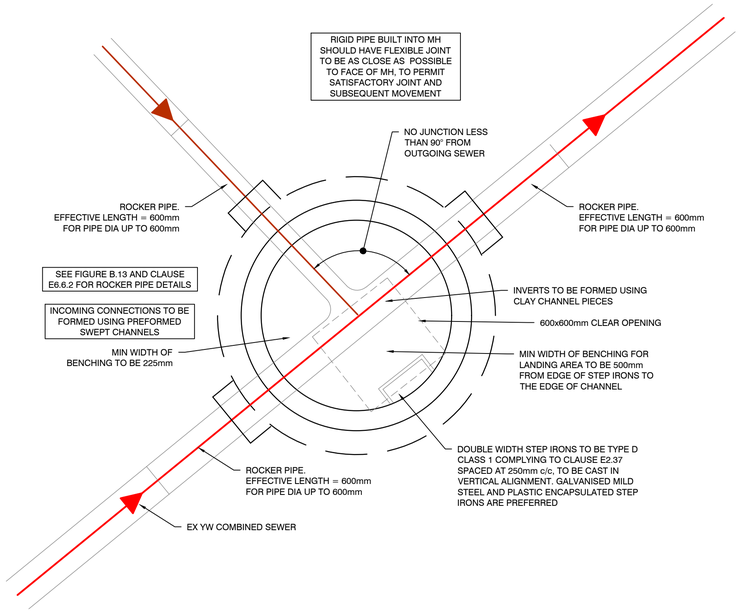
YW REF - S104-2025-022





CO MH1 - MANHOLE TYPE B SOFFIT DEPTH MAX 3m BELOW COVER
1:20

NUMBER/TYPE	CL	CONNECTS	IL	MH	PLAN
SMH 01 SW	207.860m	IN - 1.001 300Ø 18.8m - PRIVATE CONNECTIONS OUT - 1.002 300Ø 39.2m	205.183m	1800Ø PCC TYPE B	1.001 1.002
SMH 02 SW	207.940m	IN - 1.002 300Ø 39.2m - PRIVATE CONNECTION OUT - 1.003 450Ø 17m	204.722m	1800Ø PCC TYPE A1	1.002 1.003
SMH 02A SW	208.165m	IN - 1.003 450Ø 17m - PRIVATE CONNECTION OUT - 1.003A 600Ø 18.75m	204.659m	1800Ø PCC TYPE A1	1.003 1.003A
SMH 03 SW	208.400m	IN - 1.003A 600Ø 18.75m - PRIVATE CONNECTIONS - 1.007 300Ø 32.435m OUT - 1.004A 600Ø 6.2m	204.536m 207.183m	1800Ø PCC TYPE A1	1.004A 1.003A 1.007
SMH 05 SW	208.815m	IN - 1.009 300Ø 22.8m - PRIVATE CONNECTIONS OUT - 1.007 300Ø 32.435m	207.400m	1200Ø PCC TYPE C	1.007 1.009
SMH 06 SW	211.130m	IN - PUMP RISING MAIN OUT - 1.008 150Ø 12.5m	209.480m	1200Ø PCC TYPE C	RM 1.008
SMH 07 SW	208.984m	IN - PRIVATE CONNECTIONS OUT - 1.009 300Ø 22.8m	207.550m	1200Ø PCC TYPE C	1.009
SMH 08 SW	207.000m	OUT - 1.001A 300Ø 2m	205.300m	1200Ø PCC TYPE B	1.001A
SMH 09 SW	207.700m	OUT - 1.004C 300Ø 2m	204.495m	1500Ø PCC TYPE A1	1.004C
SMH 04 SW	208.400m	IN - 1.004B 300Ø 1.5m OUT - 1.004BB 150Ø 1.5m	IL = 204.470m (INCOMING) IL = 204.420m (OUT GOING)	1800Ø PCC FLOW CONTROL	1.004B 1.004BB

NUMBER/TYPE	CL	CONNECTS	IL	MH	PLAN
FMH 01 FW	208.540m	IN - PRIVATE CONNECTIONS OUT - 2.001 150Ø 11.8m	207.540m	1200Ø PCC TYPE C	2.001
FMH 02 FW	208.720m	IN - 2.001 150Ø 11.8m - PRIVATE CONNECTION OUT - 2.002 150Ø 16.7m	207.395m	1200Ø PCC TYPE C	2.001 2.002
FMH 03 FW	208.923m	IN - 2.002 150Ø 16.7m - PRIVATE CONNECTION OUT - 2.003 150Ø 21.15m	207.190m	1200Ø PCC TYPE B	2.002 2.003
CO MH1 CO	208.925m	IN - 2.003 150Ø 21.15m OUT - EX CO SEWER 225Ø	206.940m	1200Ø PCC TYPE B	2.003 EX CO 225 CO EB

This drawing is to be read in conjunction with all other relevant documentation.
Do not Scale
All setting out by contractor. Report all discrepancies to bdi Structural Solutions.
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Client required to comply with requirements of Party Wall Act as required by nature of work.

NOTES

YORKSHIRE WATER NOTES

1- ALL ADOPTABLE SEWER WORKS AND MATERIAL TO BE IN ACCORDANCE WITH "CODE FOR ADOPTION". THE RELEVANT BRITISH / EUROPEAN AND YORKSHIRE WATER'S STANDARDS / REQUIREMENTS / ADENDUM TO THE MECHANICAL AND ELECTRICAL SPECIFICATION AND KITEMARKED.

2- MANHOLE COVERS SHALL / MUST HAVE A CLEAR OPENING OF 600mm AND SHALL BE CLASS D400 TO BS EN 124 WITH 150mm DEEP FRAMES IN HIGHWAYS.

3- FILLED GROUND MUST BE FILLED AND CONSOLIDATED UNDER THE SUPERVISION AND TO THE SATISFACTION OF YORKSHIRE WATER BEFORE ANY SEWER WORKS ARE CARRIED OUT.

4- YORKSHIRE WATER IS NOT OBLIGED TO ACCEPT FILTER DRAIN / LAND DRAINAGE RUN-OFF INTO THE PUBLIC SEWER NETWORK OR ADOPTABLE DRAINAGE SYSTEM (DIRECTLY OR IN-DIRECTLY). AN ALTERNATIVE METHOD OF DISPOSAL OF THE LAND DRAINAGE RUN-OFF WILL THEREFORE BE REQUIRED AND YOU WILL HAVE TO LIAISE WITH THE LOCAL AUTHORITY, LAND DRAINAGE SECTION REGARDING THE DISPOSAL OF THE FILTER DRAIN / LAND DRAINAGE RUN-OFF.

5- THE ADOPTABLE SEWERS SHOULD BE A MINIMUM OF 1m AND MANHOLES 0.5m FROM KERB FACES & SERVICE MARGINS.

6- SEWERS MUST HAVE 5m CLEARANCE FROM TREES AND HEDGES OR THE WIDTH OF THE CANOPY AT MATURE HEIGHT.

7- SEWERS TO BE LAID IN CLASS 'S' BEDDING (150mm GRANULAR BED AND SURROUND). WHERE DEPTH OF COVER TO TOP OF THE SEWER IS LESS THAN 1.2m IN HIGHWAYS AND VERGES (OR LESS THAN 900mm IN NON-VEHICULAR ACCESS AREAS) THEN A CONCRETE SLAB SHOULD BE PROVIDED ABOVE GRANULAR BED AND SURROUND.

8- BEDDING AND BACKFILL MATERIAL TO CONFORM TO THE REQUIREMENT OF WATER INDUSTRY SPECIFICATION 4-08-02 (TABLE A2)

9- YORKSHIRE WATER POLICY IS THAT TYPE 'C' BRICK MANHOLES AND 1050mm DIA MANHOLE RINGS ARE NOT PREFERRED. INSTEAD , IT IS PREFERRED THAT YOU USE A TYPE 'B' MANHOLE WITH 1200mm DIA OR 1500mm DIA RINGS, WITH THE OPENING SITED OVER THE CHANNEL WHERE DEPTH OF COVER TO PIPE SOFFIT IS 1-1.5m.

10- ADOPTABLE PLASTIC SEWER PIPES TO BE BSI KITEMARKED (CERTIFIED TO WIS-4-35-01 & BS/EN13476). ADOPTABLE PLASTIC SEWER PIPES TO BE LAID IN MAXIMUM 9m LENGTHS UNLESS THERE IS A SPECIFIC OPERATIONAL NEED TO LAY LONGER LENGTHS. PLASTIC CHANNEL SECTIONS IN MANHOLES ARE NOT ACCEPTABLE AND YORKSHIRE WATER WOULD REQUIRE CLAY WARE CHANNELS IN MANHOLES.

11- THE MINIMUM CRUSHING STRENGTH FOR CLAY PIPES SHOULD BE AS FOLLOWS;
100mm DIA 40KN/m, 150mm DIA 40KN/m, 225mm DIA 45KN/m AND 300mm DIA 72KN/m. THE MINIMUM CRUSHING STRENGTH FOR CONCRETE PIPES SHOULD BE - (CLASS 120 TO EN 1916 / BS5911-1 2002). PLASTIC PIPES SHOULD CONFORM TO WIS 4-35-01 & BS EN13476.

12- WHERE A B125 COVER AND FRAME HAS BEEN APPROVED, THIS MUST NOT BE COATED IN PLASTIC AND MUST HAVE LIFTING EYES SUITABLY SIZED TO ACCOMMODATE STANDARD LIFTING KEYS. SCREW DOWN COVERS ARE NOT ACCEPTABLE.

13- THERE MUST BE ENOUGH CLEARANCE AT CROSSOVERS TO ACCOMMODATE BEDDING TO BOTH PIPES, APPROX 300mm. IF CROSSOVER IS NEAR THE ROCKER THEN THE CLEARANCE NEEDED MAY NEED TO EB INCREASED.

FOR ALL CLAUSE AND TABLE REFERENCES, PLEASE REFER TO DESIGN & CONSTRUCTION GUIDANCE CONTAINED WITHIN THE CODE FOR ADOPTION.

TECHNICAL APPROVAL

Rev	Date		Drawn	Appr'd
A2	11.02.26	AMENDS TO SUIT YW COMMENTS - SMH 04 FLOW CONTROL ADDED	JDH	SG
A1	23.01.26	AMENDS TO SUIT YW COMMENTS	JDH	SG
A0	18.09.25	ISSUED FOR TECHNICAL APPROVAL	JDH	SG

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Client
Sourced Co

Project
Roughbirchworth Lane
Oxspring

Drawing Title
S104 Manhole Details & MH Schedules

Scale
As shown at A1

Drg No.
20218532 C1 18

Drawn JDH
Chk'd by JDH
Date 18.09.2025
Date Chk'd 18.09.2025
Rev A2