MANHOLE REF	RING DIA
MH01	2.4m Ø

COVER LEVEL	INVERT LEVEL	SUMP DEPTH
60.657m	56.876m	0.000m
LARGEST PIPE Ø 1.200m	MANHOLE DEPTH 3.781m	COVER TO SOFFIT 2.581m

MANHOLE FUNCTION: SURFACE WATER

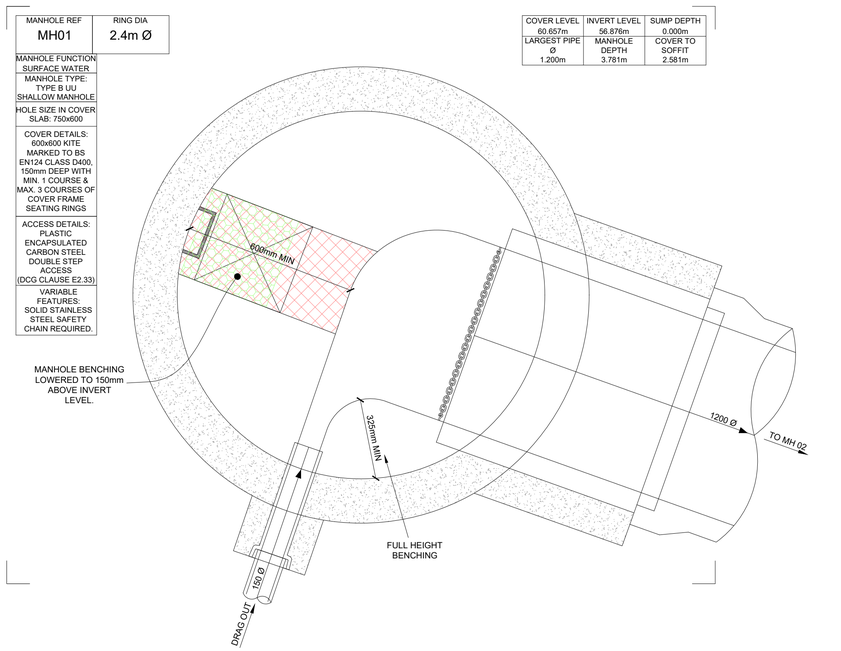
MANHOLE TYPE: TYPE B UU SHALLOW MANHOLE

HOLE SIZE IN COVER SLAB: 750x600

COVER DETAILS: 600x600 KITE MARKED TO BS EN124 CLASS D400, 150mm DEEP WITH MIN. 1 COURSE & MAX. 3 COURSES OF COVER FRAME SEATING RINGS

ACCESS DETAILS: PLASTIC ENCAPSULATED CARBON STEEL DOUBLE STEP ACCESS (DCG CLAUSE E2.33)

VARIABLE FEATURES: SOLID STAINLESS STEEL SAFETY CHAIN REQUIRED.



MANHOLE REF	RING DIA
MH02	2.7m Ø

COVER LEVEL	INVERT LEVEL	SUMP DEPTH
60.741m	56.815m	0.000m
LARGEST PIPE Ø 1.200m	MANHOLE DEPTH 3.926m	COVER TO SOFFIT 2.726m

MANHOLE FUNCTION: SURFACE WATER

MANHOLE TYPE: TYPE B

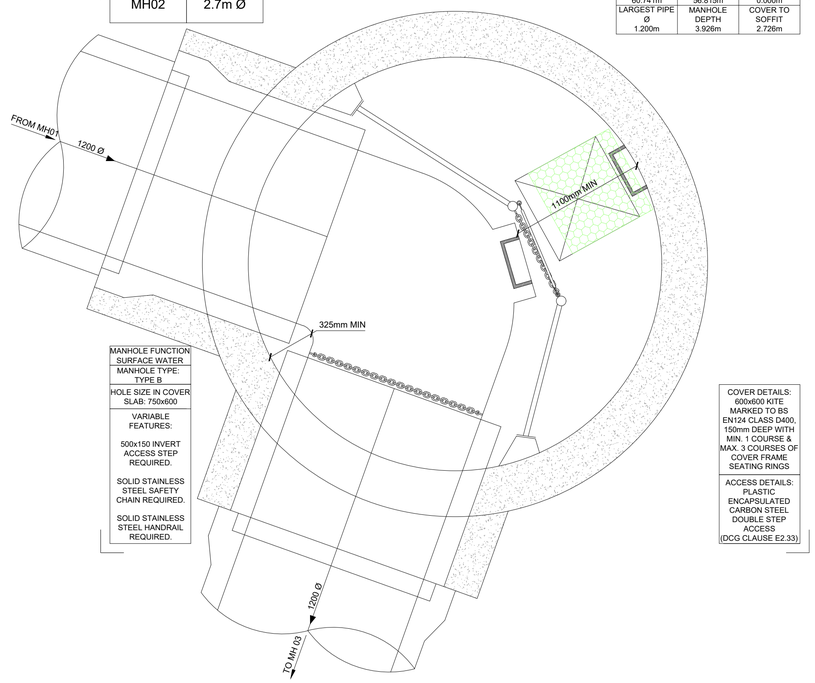
HOLE SIZE IN COVER SLAB: 750x600

VARIABLE FEATURES:

500x150 INVERT ACCESS STEP REQUIRED.

SOLID STAINLESS STEEL SAFETY CHAIN REQUIRED.

SOLID STAINLESS STEEL HANDRAIL REQUIRED.



COVER DETAILS: 600x600 KITE MARKED TO BS EN124 CLASS D400, 150mm DEEP WITH MIN. 1 COURSE & MAX. 3 COURSES OF COVER FRAME SEATING RINGS

ACCESS DETAILS: PLASTIC ENCAPSULATED CARBON STEEL DOUBLE STEP ACCESS (DCG CLAUSE E2.33)

MANHOLE REF	RING DIA
MH03	2.7m Ø

COVER LEVEL	INVERT LEVEL	SUMP DEPTH
60.397m	56.668m	0.000m
LARGEST PIPE Ø 1.200m	MANHOLE DEPTH 3.729m	COVER TO SOFFIT 2.529m

MANHOLE FUNCTION: SURFACE WATER

MANHOLE TYPE: TYPE B

HOLE SIZE IN COVER SLAB: 750x600

COVER DETAILS: 600x600 KITE MARKED TO BS EN124 CLASS D400, 150mm DEEP WITH MIN. 1 COURSE & MAX. 3 COURSES OF COVER FRAME SEATING RINGS

ACCESS DETAILS: PLASTIC ENCAPSULATED CARBON STEEL DOUBLE STEP ACCESS (DCG CLAUSE E2.33)

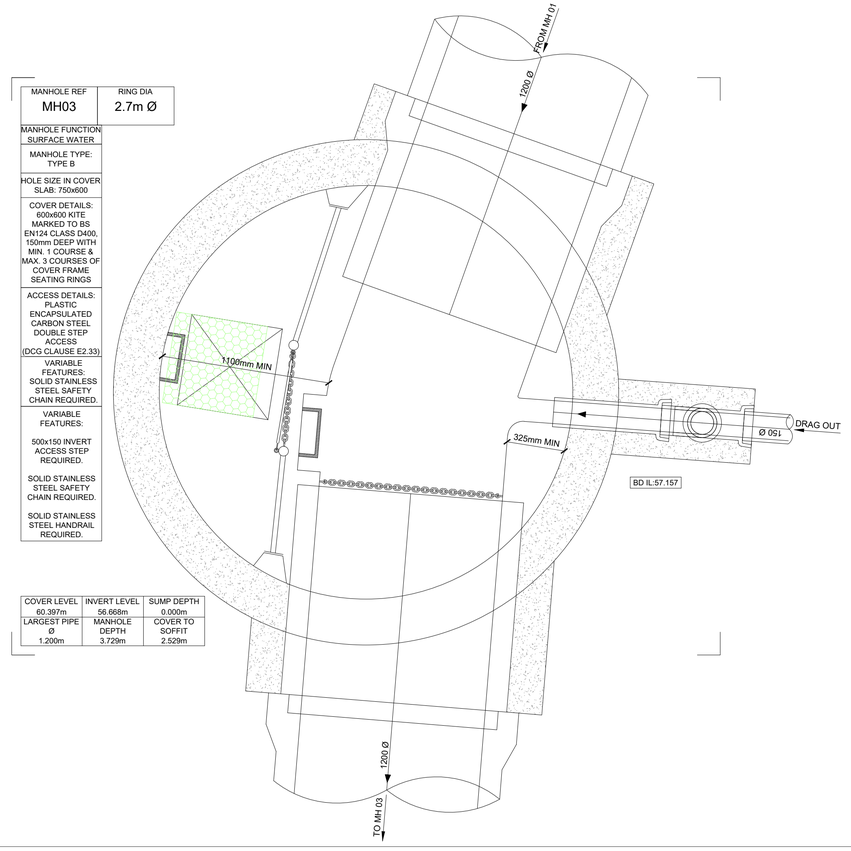
VARIABLE FEATURES: SOLID STAINLESS STEEL SAFETY CHAIN REQUIRED.

VARIABLE FEATURES:

500x150 INVERT ACCESS STEP REQUIRED.

SOLID STAINLESS STEEL SAFETY CHAIN REQUIRED.

SOLID STAINLESS STEEL HANDRAIL REQUIRED.



MANHOLE REF	RING DIA
MH04	2.4m Ø

COVER LEVEL	INVERT LEVEL	SUMP DEPTH
59.524m	56.614m	0.000m
LARGEST PIPE Ø 1.200m	MANHOLE DEPTH 2.910m	COVER TO SOFFIT 1.710m

MANHOLE FUNCTION: SURFACE WATER

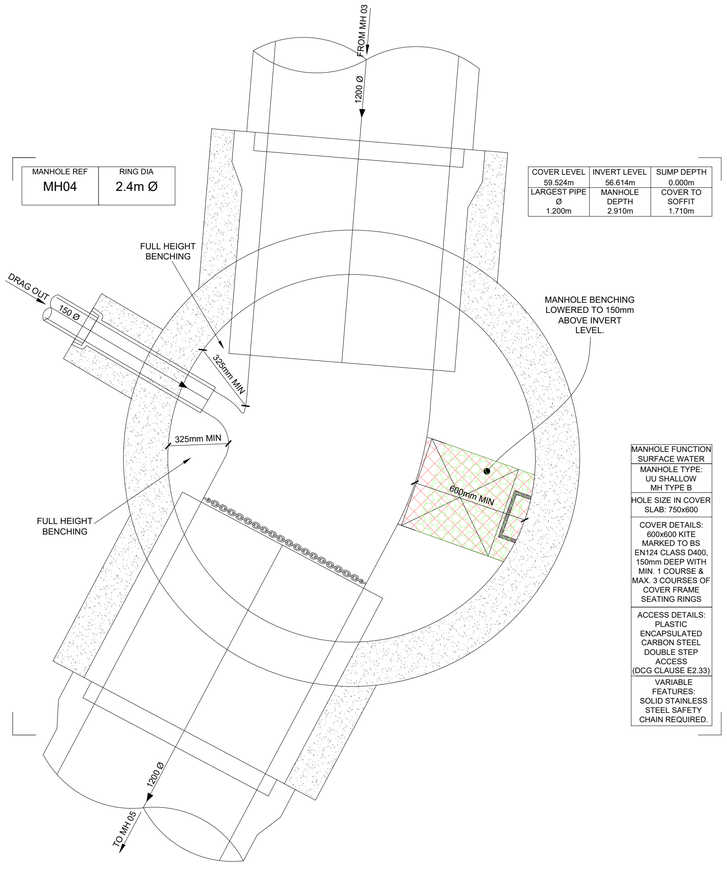
MANHOLE TYPE: UU SHALLOW MH TYPE B

HOLE SIZE IN COVER SLAB: 750x600

COVER DETAILS: 600x600 KITE MARKED TO BS EN124 CLASS D400, 150mm DEEP WITH MIN. 1 COURSE & MAX. 3 COURSES OF COVER FRAME SEATING RINGS

ACCESS DETAILS: PLASTIC ENCAPSULATED CARBON STEEL DOUBLE STEP ACCESS (DCG CLAUSE E2.33)

VARIABLE FEATURES: SOLID STAINLESS STEEL SAFETY CHAIN REQUIRED.



SCALE BAR 1:20

0 0.5 1 1.5 2

GENERAL NOTES

THIS DRAWING TO READ IN CONJUNCTION WITH ALL RELEVANT STRUCTURAL AND ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.

ALL DIMENSIONS TO BE CHECKED ON SITE BY THE CONTRACTOR / FABRICATOR PRIOR TO COMMENCEMENT OF WORKS.

ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE.

ALL DRAINAGE AND MANHOLES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DCG.

DRAINAGE NOTES:

MANHOLE COVERS AND FRAMES SHALL BE IN ACCORDANCE WITH DCG CLAUSE 2.32.

LADDER / DOUBLE STEP ACCESS:

ALL IN ACCORDANCE WITH DCG FIGURES B4 TO B12.

FOR 1200 & 1500mm Ø MANHOLE CHAMBERS, OR WHERE THE DEPTH TO SOFFIT IS LESS THAN 3m, A FULL HEIGHT (NO ACCESS SHAFT) CONSTRUCTION IS PREFERRED.

WHERE THE DEPTH TO SOFFIT FROM COVER LEVEL IS LESS THAN 3.0m, DOUBLE ACCESS STEPS SHALL BE USED IN PLACE OF A LADDER.

WHERE THE DEPTH TO SOFFIT FROM COVER LEVEL IS GREATER THAN 3.0m, AN ACCESS LADDER SHALL BE USED. ACCESS LADDER TO UNITED UTILITIES STANDARD DETAIL No. 8. MINIMUM 1200mm INTERNAL SHAFT DIAMETER REQUIRED FOR ACCESS LADDERS.

ROCKER PIPE LENGTHS (DCG E6.6):

150mm Ø PIPE - 600mm Ø PIPE : MINIMUM 600mm LONG ROCKER PIPE
601mm Ø PIPE - 750mm Ø PIPE: MINIMUM 1000mm LONG ROCKER PIPE
OVER 750: MINIMUM 1250mm LONG ROCKER PIPE

MANHOLE TYPES:

REFER TO DCG FIGURES B4 TO B25 FOR DETAILS.

VARIABLE FEATURES:

LADDERS: IN ACCORDANCE WITH DCG CLAUSE E2.37

HANDRAILS: IN ACCORDANCE WITH DCG CLAUSE E2.36

SAFETY CHAINS: IN ACCORDANCE WITH DCG CLAUSE E2.35

TYPICAL HATCHING INDICATES 600X600mm MINIMUM 'LANDING ZONE' AS REQUIRED BY UNITED UTILITIES.

TYPICAL INDICATE EXTENT OF REDUCED BENCHING (150mm ABOVE PIPE INVERT LEVEL) WITHIN A SHALLOW MANHOLE WITH LARGE DIAMETER SEWERS (REFER TO UNITED UTILITIES DRAWING REF STND/19/004).

NOTE:

1. ALL DRAINAGE WORKS SHALL BE IN ACCORDANCE WITH THE DCG
2. ALL CONNECTIONS WITHIN THE MANHOLE TO BE SOFFIT TO SOFFIT CONNECTIONS
3. TO BE RED IN CONJUNCTION WITH S104 LAYOUT AND PRIVATE DRAINAGE LAYOUT

Rev	Description	Date	By	Chkd
P01	FIRST ISSUE	07.02.25	KW	DS

Drawing Status

S4 - TECHNICAL DESIGN

Sutcliffe
Structural & Civil Engineering
Geotechnical & Environmental Investigations
Building Surveying
Pre Planning Services
Liverpool Head Office: 0151 227 5155
Manchester Office: 0161 877 5180
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Client

MOSSCARE ST.VINCENTS HOUSING

Project

ALDERFORD PARADE
CHEETHAM HILL
MANCHESTER

Drawing Title

1 TO 20 MANHOLE SCHEDULES
SURFACE WATER
SHEET 1

Date	Drawn By	Checked By	
FEB '25	KW	DS	
Scale at A1	Project Number	Status	Revision
1:20	33716	S4	P01

Sheet Number

33716-SUT-ZZ-XX-DR-C-6300