



LATERAL MANHOLE SCHEDULE

REFERENCE	MH TYPE	DEPTH	MH DIAMETER	PIPE SIZE	PIPE MATERIAL	COVER LEVEL	INVERT LEVEL	LENGTH	GRADIENT	EASTING	NORTHING
LM1	TYPE D	1.35m	450mm	150mm	UPVC	179.35	178.00	4.56m	1:22		
LM2	TYPE D	1.00m	450mm	150mm	UPVC	178.60	177.60	10.45m	1:11		
LM3	TYPE D	1.80m	450mm	100mm	UPVC	178.60	176.90	6.56m	1:12		
LM4	TYPE D	2.00m	450mm	100mm	UPVC	177.55	175.55	3.64m	1:24		
LM5	TYPE D	2.00m	450mm	150mm	UPVC	176.40	174.40	3.29m	1:10		
LM6	TYPE D	2.30m	450mm	100mm	UPVC	176.90	174.60	5.40m	1:10		
LM7	TYPE D	1.40m	450mm	150mm	UPVC	177.40	176.00	4.60m	1:21		
LM8	TYPE B	1.80m	1200mm	150mm	UPVC	174.30	173.95/172.50	8.62m	1:10		
LM9	TYPE B	1.60m	1200mm	100mm	UPVC	174.00	173.55/172.40	3.01m	1:10		
LM10	TYPE B	2.25m	1200mm	100mm	UPVC	173.85	172.75/171.60	7.38m	1:20		
LM11	TYPE D	1.93m	450mm	150mm	UPVC	174.10	172.17	5.56m	1:10		

KEY

- Existing Public combined sewer to remain
- Existing Section 104 Surface water sewer to remain
- Proposed adoptable SW sewer
- Proposed adoptable foul sewer
- Proposed adoptable combined sewer
- Proposed foul lateral
- Proposed SW lateral
- Proposed gully
- Tactile paving

CODE For Adoption Under a Section 104 Agreement

1. All adoptable sewer works and materials to be in accordance with the current British Standards and the current edition of the Water Services Regulations 2016 and the current edition of the Water Services Regulations 2016 and the current edition of the Water Services Regulations 2016.
2. Manhole covers must have a clear opening of 600mm and shall be Class D400 to BS EN 124 with 150mm deep frames in highways.
3. All manhole covers shall be made of cast iron or a material of equivalent strength and shall be supplied with a minimum of 1m and manholes 0.5m from kerb faces and service margins.
4. Yorkshire Water are not obliged to accept their drain/land drainage runoff into the public sewer network or adoptable drainage system (directly or indirectly) by an alternative method of disposal or treatment and will therefore be required to provide a separate system for the disposal of the effluent. Please consult with the Local Authority and drainage Section.
5. The adoptable sewers should be a minimum of 1m and manholes 0.5m from kerb faces and service margins.
6. Sewers must have a minimum clearance from trees and hedges or the width of the road.
7. Sewers to be laid in Class 'S' bedding (150mm granular bed & surround) and verges (or less than 900mm in non-vehicular areas) than a concrete and should be provided above the granular bed and surround.
8. Backfill to be provided in accordance with the requirements of Water Industry Specification 400-02 (TIRAP 42).
9. Yorkshire Water policy is that 'Type 'C' brick manholes and 1000mm 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 1.0-1.5m.
10. Adoptable sewers must be laid in Class 'S' bedding (150mm granular bed & surround) and verges (or less than 900mm in non-vehicular areas) than a concrete and should be provided above the granular bed and surround.
11. The minimum crushing strength for clay pipes should be as follows: 1. For Class 'S' bedding (150mm granular bed & surround) - 2.0N/m² (Class 120 to EN 1916/BS5911-1:2002).
12. Where a B125 cover and frame has been approved, this must not be coated in plastic pipes should conform to WS 145-01 and BS EN 14176 (Class 120 to EN 1916/BS5911-1:2002).
13. There must be enough clearance at crossovers to accommodate bedding to both pipes (approx 300mm). If crossover is near the rocker than the clearance needed may need to be increased.

NOTES

All drainage connection points to be located and checked for position and level prior to the commencement of any works.

Ordinance Survey Grid & Datum

RISK ASSESSMENT	RISK	LEVEL OF RISK	SUGGESTED ACTION
DEEP EXCAVATIONS ASSOCIATED WITH DEEP DRAINAGE WORKS	HIGH	HIGH	ENSURE ALL EXCAVATIONS HAVE ADEQUATE TRENCH SUPPORTS AND ARE FINISHED OFF TO PROTECT FROM FALLS.
HANDLING LARGE DIAMETER MANHOLE AND EXCAVATION RINGS	HIGH	HIGH	WEAR THE CORRECT PERSONAL PROTECTIVE EQUIPMENT.
CONTACT WITH SERVICES/WORKING IN CONFINED SPACES	MEDIUM	MEDIUM	USE GAS DETECTORS/BREATHING EQUIPMENT AND ENSURE OPERATIVES WEAR THE CORRECT PERSONAL PROTECTIVE EQUIPMENT.
NOISE FROM MACHINERY	MEDIUM	MEDIUM	OPERATIVES TO WEAR THE CORRECT EAR PROTECTION.
EXCAVATIONS NEAR TO UTILITIES	HIGH	HIGH	UTILITIES MAPS TO BE INSPECTED AND APPROPRIATE LOCATED USING APPROPRIATE EQUIPMENT PRIOR TO EXCAVATION.
EXCAVATIONS HAVE ADEQUATE TRENCH SUPPORTS	HIGH	HIGH	ENSURE ALL EXCAVATIONS HAVE ADEQUATE TRENCH SUPPORTS AND ARE FINISHED OFF TO PROTECT FROM FALLS.

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Yew Tree Road
Birchcliffe, Huddersfield

Engineering Plan

Dwg No.: STE/25/03/01 F

Date: 30-1-25

Scale: 1:500

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F	Road layout updated	23-12-25	AST
E	Gully leads amended at request of YW. S12/S4 extended	23-12-25	AST
C	Daily connections joined at request of YW outside P8	25-1-25	AST
B	Layout updated. Drainage amended	20-1-25	AST
A	Layout updated. Drainage amended	20-1-25	AST
Rev	Details	Date	Print/Chk

Newett Homes