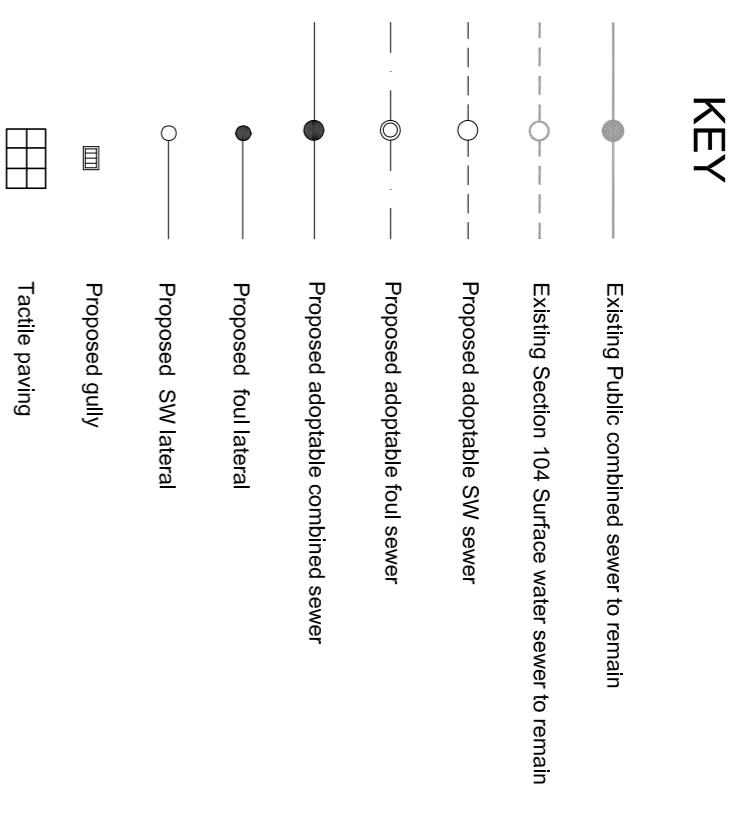


LATERAL MANHOLE SCHEDULE

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 B	1.55m	450mm	100mm	UPVC	177.35	175.80	5.78m	1:14		
LM7	TYPE D	1.25m	450mm	150mm	UPVC	177.25	176.00	4.60m	1:21		
LM8	TYPE B	2.08m	1200mm	150mm	UPVC	174.65	174.10/172.57	9.52m	1:10		
LM9	TYPE B	2.05m	1200mm	100mm	UPVC	174.55	173.80/172.50	3.70m	1:11		
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		



- CODE FOR Adoption Under a Section 104 Agreement**
- All adoptable sewer works and material to be in accordance with the current edition of the British Standard BS EN 12450-1:2015, British Standard Specification for Manholes, and the Mechanical and Electrical Specification and Kitemarked.
 - Manhole covers must have a clear opening of 600mm and shall be Class F400 to BS EN 124 with 150mm deep frames in highways.
 - Proprietary frames of 'vehicle wheel stops' must be supervised and to the satisfaction of 'Vehicle Wheel Stops' any cover works are carried out.
 - Yorkshire Water are not obliged to accept their drainland drainage runoff into the public sewer network or adoptable drainage system (directly or indirectly) an alternative method of disposal of land drainage runoff will be required. Please consult with the Local Authority and drainage Section.
 - The adoptable sewers should be a minimum of 1m and manholes 0.5m from kerb faces and service margins.
 - Sewers must have a minimum clearance from trees and hedges or the width of the road.
 - Sewers to be laid in Class 'S' bedding (150mm granular bed & surround) Where depth of cover to the top of the sewer is less than 1.2m in Highway and verges (or less than 900mm in non-vehicular areas) then a concrete slab should be provided above the granular bed and surround.
 8. Bedding should be in accordance with the requirements of Water Industry Specification 448:02 (Table A2)
 - 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 slant over the diameter where depth of cover to pipe soffit is 1.0-1.5m (0.4m depth of cover to the top of the manhole).
 - Adoptable sewer pipes shall be in accordance with BS EN 12450-1:2015 (Kitemarked) (concrete) or BS EN 12450-2:2015 (Kitemarked) (plastic) unless there is a specific operational need to lay longer lengths. Plastic channel sections in manholes are not acceptable. Yorkshire Water require clay channels in manholes.
 - The minimum existing strength for clay pipes should be as follows:
 - 1.1. The minimum existing strength for concrete pipes should be - Class 120 to EN 19168S5911-1:2002).
 - 1.2. Where a B125 cover and frame has been approved, this must not be coated in plastic pipes should conform to WIS 4-53-01 and BS EN14176
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 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	LEVEL OF RISK	SUGGESTED ACTION
DEEP EXCAVATIONS ASSOCIATED WITH DEEP DRAINAGE WORKS	HIGH	ENGINEER ALL EXCAVATIONS HAVE ADEQUATE TRENCH SUPPORTS AND ARE FINISHED OFF TO PROTECT FROM FALLS.
HANDS ON LIVED DRAINAGE WORKS AND EXCAVATION WORKS	HIGH	USE CORRECT LIFTING EQUIPMENT AND ENGINE OPERATORS
CONTRACT WITH SERVICES/WORKING IN CONFINED SPACES	MEDIUM	USE GAS DETECTOR/SERVICING EQUIPMENT AND ENGINE OPERATORS
ROBES FROM WORKMANS	MEDIUM	WEAR THE CORRECT PERSONAL PROTECTIVE EQUIPMENT
EXCAVATIONS NEAR TO UTILITIES	HIGH	UTILITIES MAPS TO BE INSPECTED AND APPROPRIATE LOCATED/USING APPROPRIATE EQUIPMENT PRIOR TO EXCAVATION
EXCAVATIONS IN PUBLIC HIGHWAY	HIGH	ENGINEER ALL EXCAVATIONS HAVE ADEQUATE TRENCH SUPPORTS AND ARE FINISHED OFF TO PROTECT FROM FALLS. ENSURE THE CORRECT SIGNAGE/Traffic CONTROL, IS USED.

SHAUN TONGE ENGINEERING

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Newett Homes
 Yew Tree Road
 Birchenciffe, Huddersfield
 Engineering Plan

Dwg No.: STE/25/03/01 B
 Date: 30-1-25
 Scale: 1:500

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Rev	Description	Date
B	Layout updated, Drainage arranged	24-1-25
A	Layout updated, Drainage arranged	22-1-25
	Layout updated, Drainage arranged	19-1-25