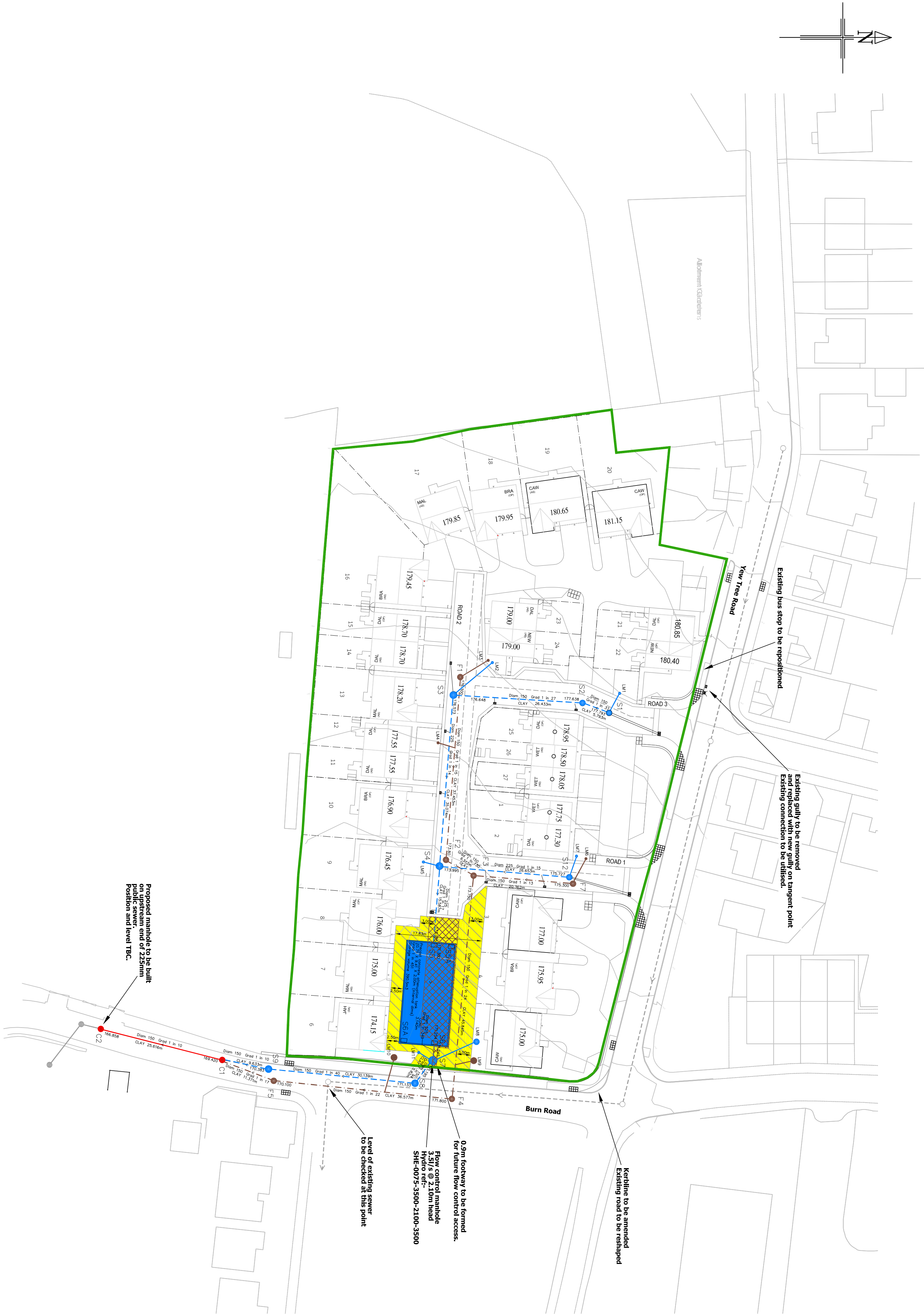




LATERAL MANHOLE SCHEDULE

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		

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 material to be in accordance with the relevant standards and specifications of the relevant authorities. The relevant authorities are the relevant Water Services Requirements/Adendum to the Mechanical and Electrical Specification and Kitemarked.

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, and to the satisfaction of Yorkshire Water where any sewer works are carried out.

3. The adoptable sewer works shall be constructed in accordance with the relevant standards and specifications of the relevant authorities.

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). An alternative method of storage or treatment must be provided for the runoff. 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 sewer must be at least 1.5m.

7. 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 bed should be provided above the granular bed and surround.

8. Bedding should be in accordance with the relevant standards and specifications of Water Industry Specification 400-002 (Table A2).

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 shaft over the current where depth of cover to pipe shaft is 1.0-1.5m

10. Adoptable sewers must be constructed in accordance with the relevant standards and specifications of the relevant authorities.

11. The minimum crushing strength for clay pipes should be as follows: 1. The minimum crushing strength for concrete pipes should be - Class 120 to EN 1916556911-1-2002).

12. Where a B125 cover and frame has been approved, this must not be coated in any way. The minimum crushing strength for concrete pipes should be - Class 120 to EN 1916556911-1-2002).

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 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	THAT CANNOT BE DESIGNED OUT	LEVEL OF RISK	SUGGESTED ACTION
DEEP EXCAVATIONS ASSOCIATED WITH DEEP DRAINAGE WORKS	HIGH	HIGH	ENSURE ALL EXCAVATIONS HAVE ADEQUATE TRUCK SUPPORTS AND ARE FINISHED OFF TO PROTECT FROM FALLS.
HANDLING LARGE DIAMETER MANHOLE AND EXCAVATION RINGS	HIGH	HIGH	USE CORRECT LIFTING EQUIPMENT AND ENSURE OPERATORS WEAR THE CORRECT PERSONAL PROTECTIVE EQUIPMENT.
CONTACT WITH SERVICES/WORKING IN CONFINED SPACES	MEDIUM	MEDIUM	USE GAS DETECTORS/BREATHING EQUIPMENT AND ENSURE OPERATORS WEAR THE CORRECT PERSONAL PROTECTIVE EQUIPMENT.
NOISE FROM MACHINERY	MEDIUM	MEDIUM	OPERATORS 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 INVOLVING MACHINERY	HIGH	HIGH	ENSURE ALL EXCAVATIONS HAVE ADEQUATE TRUCK SUPPORTS AND ARE FINISHED OFF TO PROTECT FROM FALLS.

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Dwg No.: STE/25/03/14/B
Date: 14-3-25
Scale: 1:500
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Birchcliffe, Huddersfield

Newett Homes	22/1/25 JST
Rev	Date
1	22/1/25