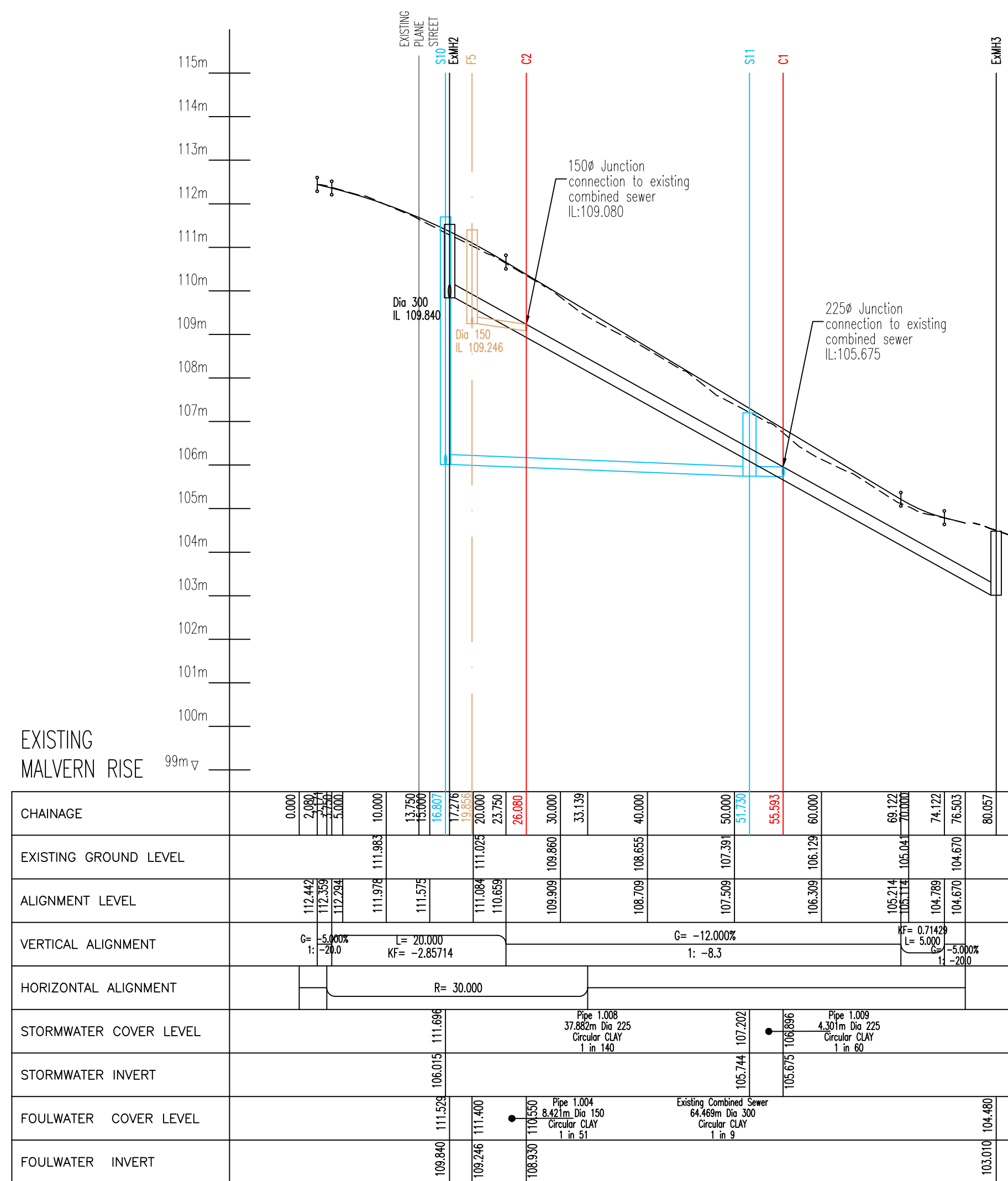
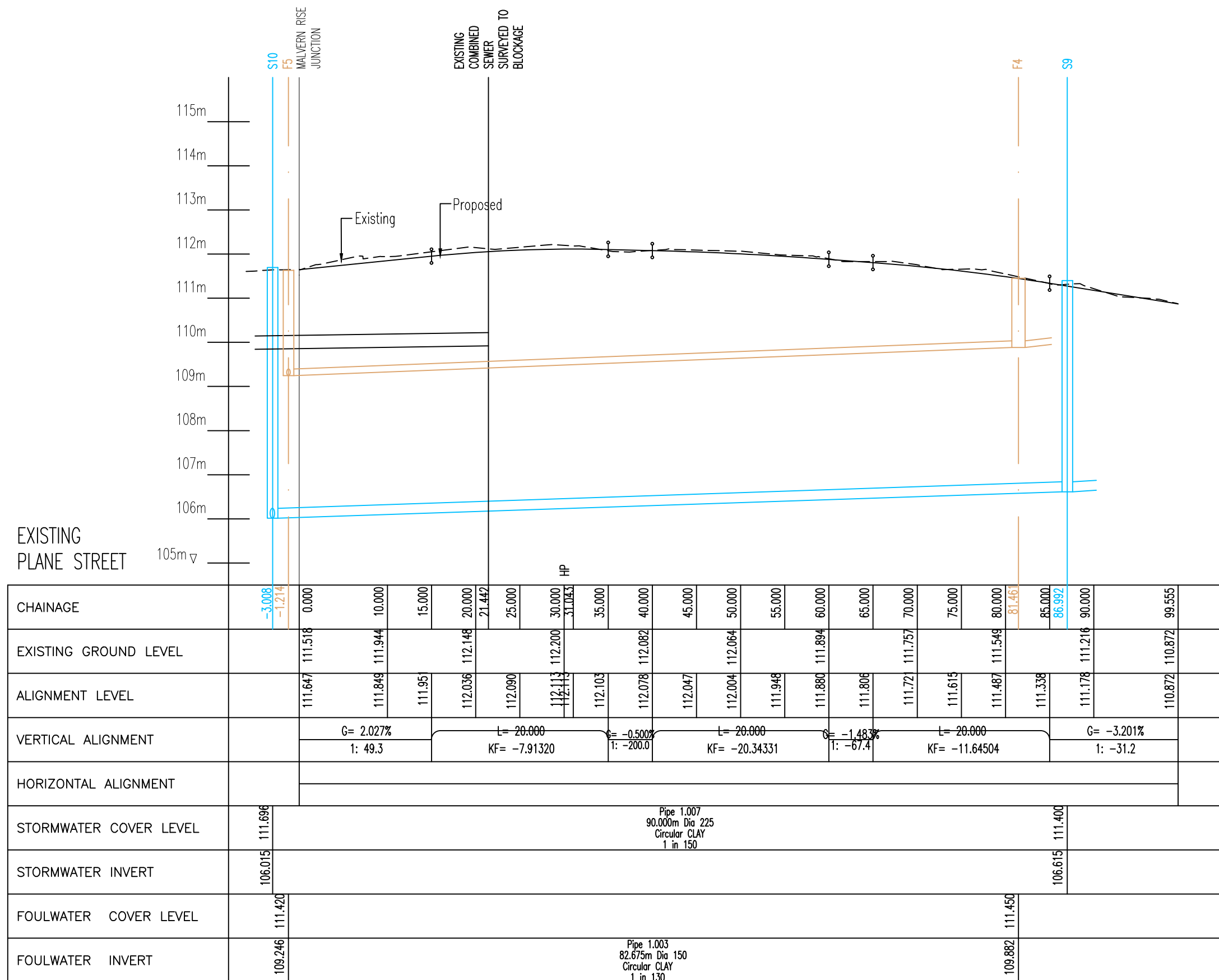




ATTENTION IS DRAWN TO THE REQUIREMENTS OF
THE CONSTRUCTION DESIGN AND MANAGEMENT
REGULATIONS 2015 AND THE DUTIES AND
RESPONSIBILITIES CONTAINED THEREIN

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/Addendum 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 footings and service margins.
6. Sewers must have 5 metres clearance from trees and hedges or the width of the canopy at mature stage.
7. Sewers to be laid in Class "C" 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 nonvehicular access areas) then a concrete slab bedding 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 diameter manhole rings are not preferred. Instead, it is preferred that you use a type "B" manhole with 1200mm diameter or 1500mm diameter 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 BS 4355-1 and BS EN13478). Adoptable plastic sewer pipes to be laid a maximum 3 metre lengths with 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 channel in manholes.

11. The minimum crushing strength for clay pipes should be as follows: 100mm dia, 40kN/m², 150mm dia, 40kN/m², 225mm dia, 45kN/m² and 300mm dia, 72kN/m². The minimum crushing strength for concrete pipes should be – (Class 120 to BS EN1916/BS5911-1 2002). Plastic pipes should conform to WIS 4-35-01 and 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 be increased⁷.

General Notes

14. Precast concrete manhole units shall comply with the relevant provisions of BS EN 1917 and BS 5911-3 and shall be manufactured from concrete with a Design Chemical Class DC-4 unless the sewerage company can be satisfied that a lower class will resist attack from soils and groundwater. Units which bed to top bosses shall be manufactured so that imposed vertical loads are transmitted directly via the full wall thickness of the unit. The profiles of joints between units and the underside of slabs shall be capable of withstanding applied loadings from such slabs and spigot-ended sections shall only be used where the soffit of the slab is recessed to receive them.

15. All levels of existing drainage to be confirmed prior to work commencing on site.
16. The contractor must allow for any fee's required for road and sewer opening permits, sewer connections and make the appropriate applications.

E	MD	07.02.25	Updated drainage pipe material	MD	MI
D	JMG	04.02.25	Updated to suit Yorkshire Water Comments	MD	MI
C	MD	16.01.25	Updated to suit Yorkshire Water comments	MD	MI
B	MD	16.12.24	Offsite longsections added	MD	MI
A	RJ	13.05.22	Amended to new site layout	RJ	MI
/		01.03.22	Preliminary	RJ	MI
Rev	By	Date	Revision	Chk	Apvd

TITLE _____

LONGITUDINAL SECTIONS
SHEET 2 OF 2

PROJECT

PLANE STREET,
HUDDERSFIELD

CLIENT

UNITY HOUSING ASSOCIATION

DRAWING STATUS

FOR APPROVAL

Scale 1:500	Date APR 21	Drawn RJ
		Chk. MI

Drg. No.	0257/05/06.02	Rev	E
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SUBJECT TO THE
APPROVAL OF
ALL RELEVANT
AUTHORITIES