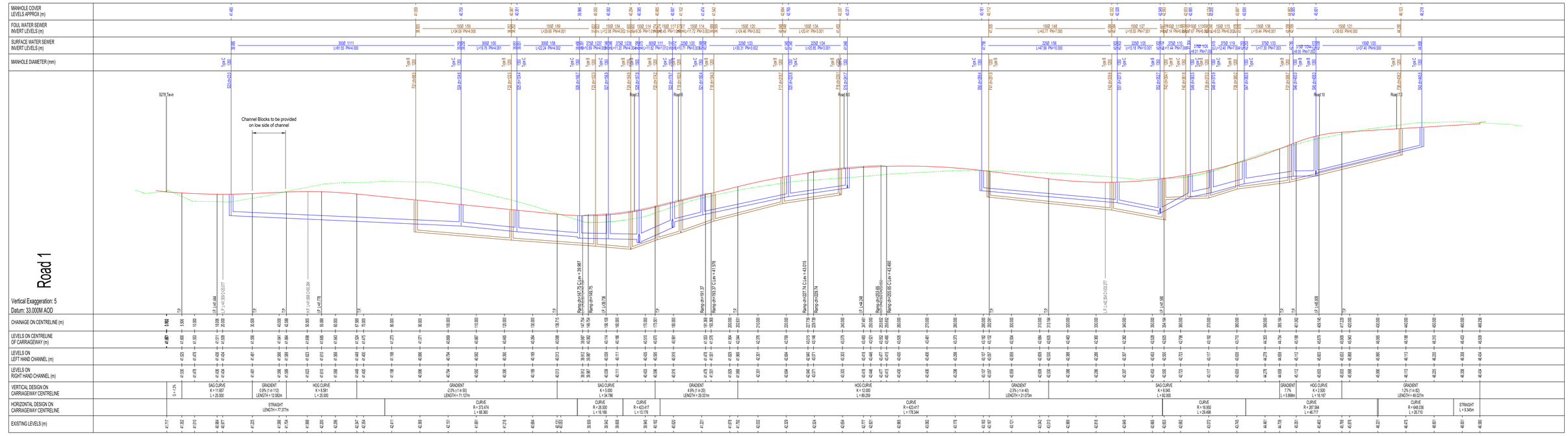
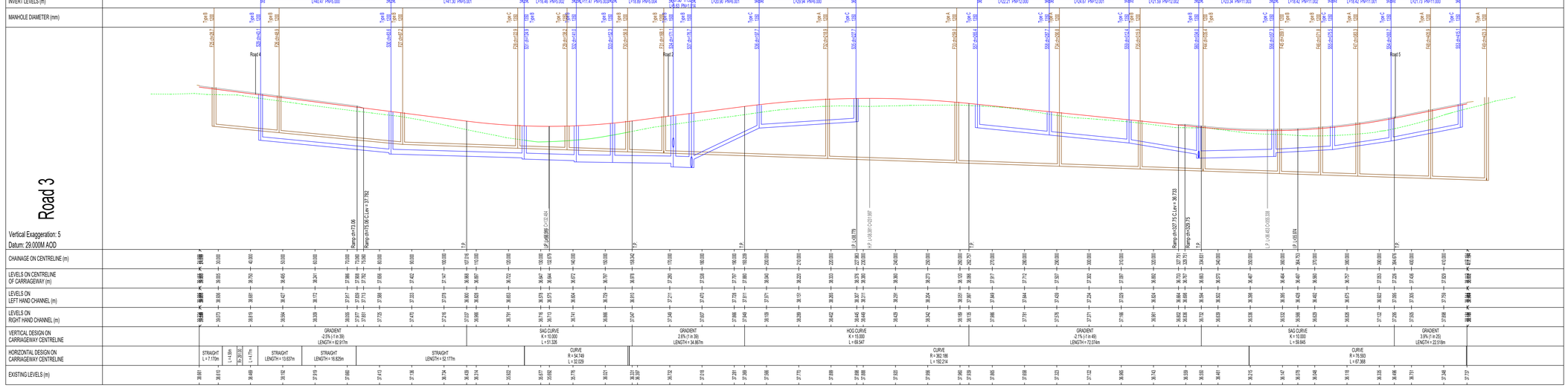




1. All adoptable sewer works and material to be in accordance with "Code for Adoption". The Relevant British/European and Icosa Water's Standards/Requirements/Addendum to the Mechanical and Electrical Specification and Kitemarked.

2. Manhole covers shall/must have a clear opening of 675mm 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 Icosa Water before any sewer works are carried out.

4. Icosa Water is not obliged to accept filter drainland 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 with regard to the disposal of the filter drain/land drainage run-off.

5. Cover slabs must carry the BSI Kitemark or will be rejected by Icosa Water Inspector. Where the clear opening of the Kitemarked product is different to that of the cover and frame, a loading bearing slab should be fitted above the cover slab to bring the size down to 675mm x 675mm for the Icosa Water specified cover size. Please refer to Concrete Pipe Systems Association (CPSA), "Technical Bulletin" issued Autumn 2004 for Kitemarked cover slab opening sizes.

6. Sulphate resistant cement (C20-DC2) and precast concrete products must be used or a laboratory report provided proving that such precautions are not necessary.

7. Adoptable sewers should be a minimum of 1m and manholes 0.5m from kerb faces and service margins.

8. Sewers must have 5m clearance from trees and hedges.

9. Sewers to be laid in Class "S" 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 none vehicular access areas) then a concrete slab should be provide above granular bed and surround.

10. Bedding and backfill material to conform to the requirement of Water Industry Specification 4-08-02 (Table A2).

11. The chamber size of manholes with more than one connection in them may need to be increased an increment to accommodate the connections and bends.

12. Icosa Water policy is that Type "C" brick manholes and 1050mm 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 - 1.5m.

13. Adoptable plastic sewer pipes to be BSI Kitemarked (certified to WIS 4-35-01 and BS/EN13476).Adoptable plastic sewer pipes to be laid in maximum 3 metre lengths unless there is a specific operational need to lay longer lengths. Plastic channel sections in manholes are not acceptable and Icosa Water would prefer clayware channel in manholes. We have found that plastic channels are difficult to set in concrete because they float and a satisfactory finish cannot be obtained on the benching.

14. The minimum crushing strength for clay pipes should be as follows : 100mm dia. 40KN/m, 150mm dia. 40kN/m, 225mm dia. 49KN/m and 300mm dia. 72KN/m. The minimum crushing strength for concrete pipes should be - (Class 120 to EN 1916/BS5911-1:2002). Plastic pipes should conform to WIS 4-35-01 and BS EN13476.

15. 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.

16. There should be enough clearance to accommodate the bedding for both pipes, approx 300mm : If crossover is near the rocker then the clearance needed may be increased.

REV	DESCRIPTION	SIG	CHK	DATE
P01	First Issue.	GT	DAB	25.04.2024
P02	Revised to suit new drainage design	CTB	GH	15.08.2025
P03	Updated to suit latest drainage design.	EL	GH	07.10.2025
P04	Revised to suit latest drainage design and road levels.	CTB	GH	28.11.2025

AVANT HOMES

LAND OFF THURNSCOE BRIDGE LANE, THURNSCOE, ROTHERHAM, S63 0TX

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ECE PROJECT No	SCALE AT A0	STATUS	SUITABLE FOR
48926	1:500H 1:100V	S0	Initial

DRAWING NUMBER: 48926 - ECE - XX - XX - DR - C - 0013 P04
(Project - Originator - Zone - Level - Type - Role - Number - REV)