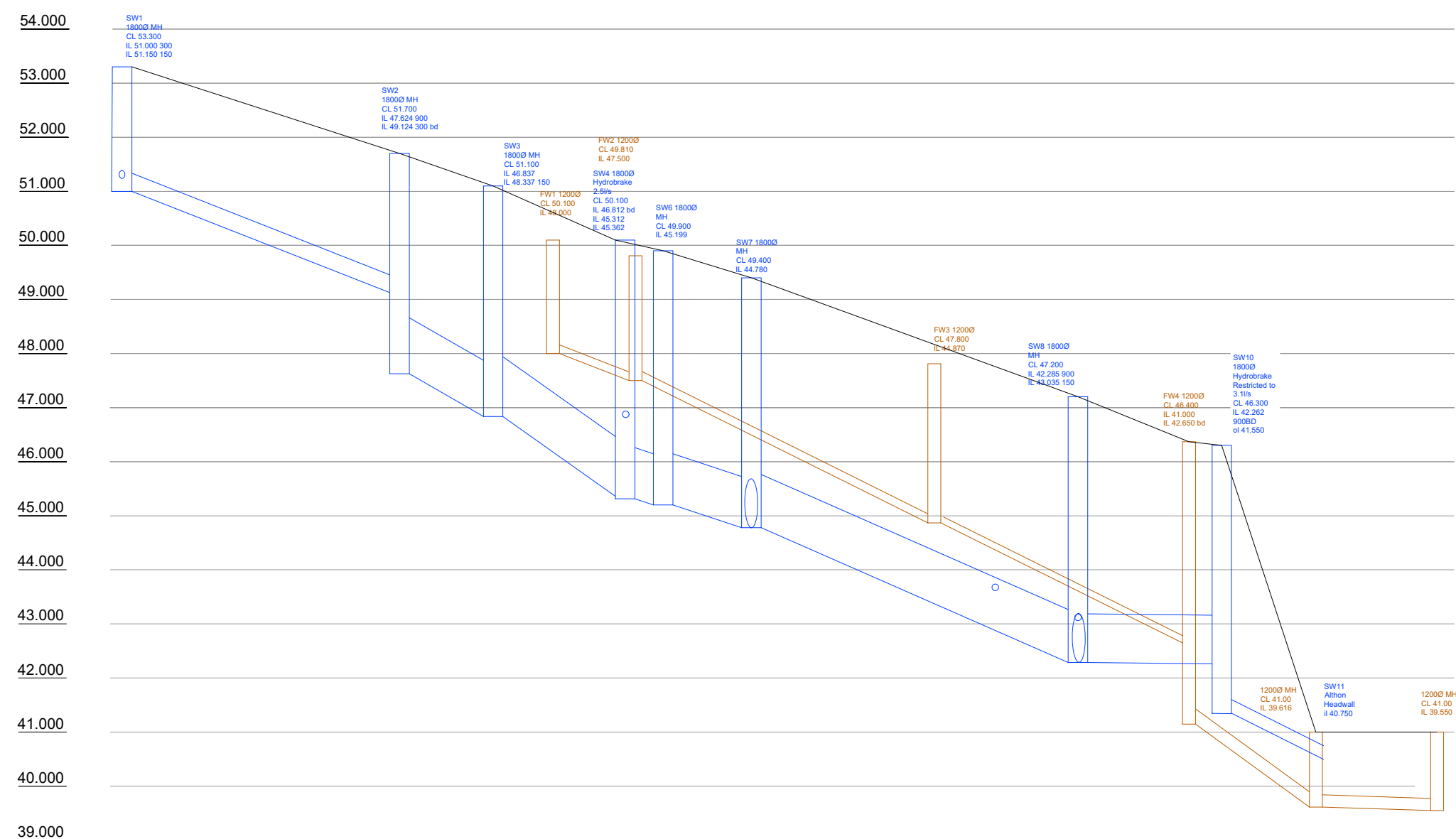


DO NOT SCALE OFF THIS DRAWING

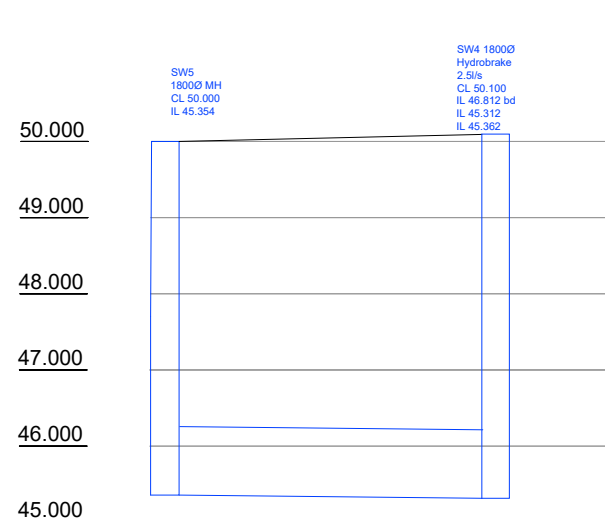
Status

Preliminary

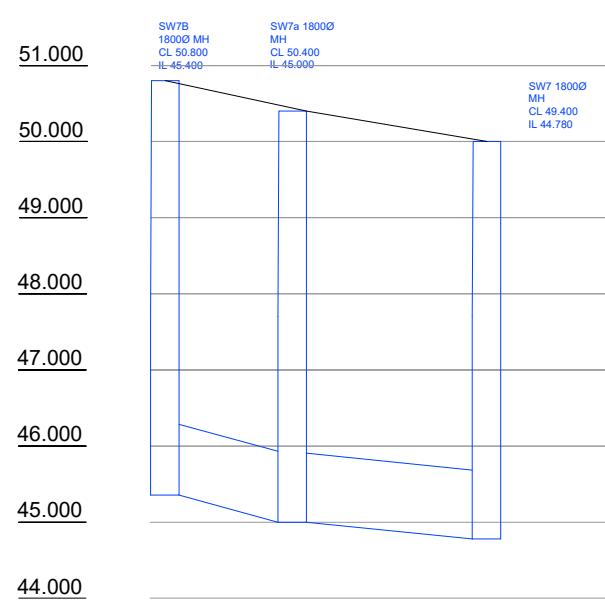
1. All adoptable sewer works and material to be in accordance with Sewerage Sector Guidance Design and Construction Guidance [Code for Adoption], The Relevant British-European and Yorkshire Water's Standards/Requirements/Local Practice for the Adoption of Small Submersible Foul and Surface Water Pumping Stations and Kitemarked.
2. Manhole covers shall/must have a clear opening of 600mm and shall be Class D400
3. 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 drainland drainage run-off into the public sewer network or adoptable drainage system (directly or indirectly). An alternative method of disposal of the land drainage run-off will therefore be required.
5. You and you will have to liaise with the Local Authority, Land Drainage Section with regard to the disposal of the filter drainland drainage run-off.
6. The adoptable sewers should be a minimum of 1m and manholes 0.5m from kerb faces and service margins.
6. Sewers must have 5 metres clearance from trees and hedges or the width of the canopy at mature height.
7. Sewers to be laid in Class "B" 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 non-vehicular access areas) then a concrete slab should be provided above granular bed and surround.
8. 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 be increased".
9. Bedding and backfill material to conform to the requirement of Water Industry Specification 4-08-02 (Table A2).
10. 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 channels in manholes are not acceptable and Yorkshire Water will prefer VITRIFIED CLAYware channel in manholes.
11. The minimum crushing strength for VITRIFIED CLAY pipes should be as follows: 100mm dia. 40kN/m, 150mm dia. 40kN/m, 225mm dia. 45kN/m and 300mm dia. 72kN/m.
12. 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.
13. Adoptable sewer 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 sided over the channel where depth of cover to pipe soffit is 1 – 1.5m.
13. 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.
14. Scream down covers are not acceptable.
15. All adoptable sewers to be BSI Kitemarked (certified to WIS 4-35-01).
16. Adoptable sewer pipes to be laid in maximum 3 metre lengths unless there is a specific operational need to lay longer lengths.
17. Plastic channel sections in manholes are not acceptable and Yorkshire Water would prefer VITRIFIED 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 channeling.



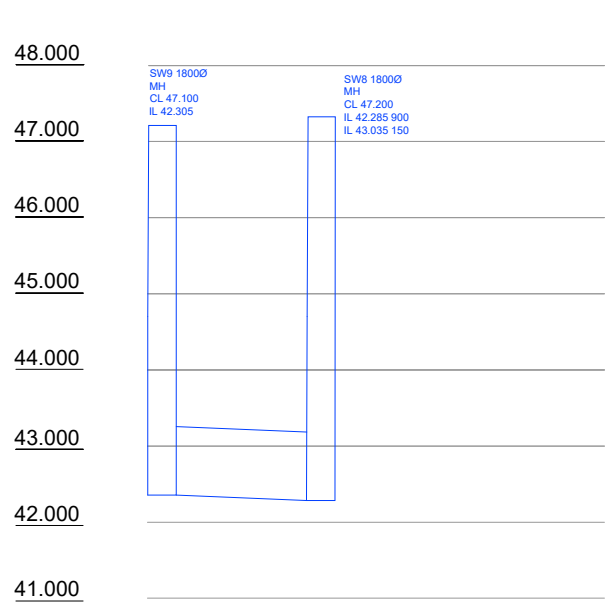
CHAINAGE	0.000	10.000	20.000	30.000	40.000	50.000	60.000	70.000	80.000	90.000	100.000	110.000	120.000	120.000
SURFACE WATER PIPE DETAILS	1.000 21.5in 1112.8 1800 CONC CLASB 1216 2002 105mm TYPE 9 9.000 8 SURROUND	1.000 21.5in 1112.8 1800 CONC CLASB 1216 2002 105mm TYPE 9 9.000 8 SURROUND	1.000 12.36in 1015.4 1716 1.8000 1016 2002 105mm TYPE 9 9.000 8 SURROUND	1.000 12.36in 1015.4 1716 1.8000 1016 2002 105mm TYPE 9 9.000 8 SURROUND	1.000 12.36in 1015.4 1716 1.8000 1016 2002 105mm TYPE 9 9.000 8 SURROUND	1.000 12.36in 1015.4 1716 1.8000 1016 2002 105mm TYPE 9 9.000 8 SURROUND	1.000 12.36in 1015.4 1716 1.8000 1016 2002 105mm TYPE 9 9.000 8 SURROUND	1.000 12.36in 1015.4 1716 1.8000 1016 2002 105mm TYPE 9 9.000 8 SURROUND	1.000 12.36in 1015.4 1716 1.8000 1016 2002 105mm TYPE 9 9.000 8 SURROUND	1.000 12.36in 1015.4 1716 1.8000 1016 2002 105mm TYPE 9 9.000 8 SURROUND	1.000 12.36in 1015.4 1716 1.8000 1016 2002 105mm TYPE 9 9.000 8 SURROUND	1.000 12.36in 1015.4 1716 1.8000 1016 2002 105mm TYPE 9 9.000 8 SURROUND	1.000 12.36in 1015.4 1716 1.8000 1016 2002 105mm TYPE 9 9.000 8 SURROUND	1.000 12.36in 1015.4 1716 1.8000 1016 2002 105mm TYPE 9 9.000 8 SURROUND
FOUL WATER PIPE DETAILS														
PROPOSED GROUND LEVEL	55.500		51.700		51.100		49.900			47.200			46.300	
EXISTING GROUND LEVEL	52.500		50.000		50.500		49.500			44.000			43.000	



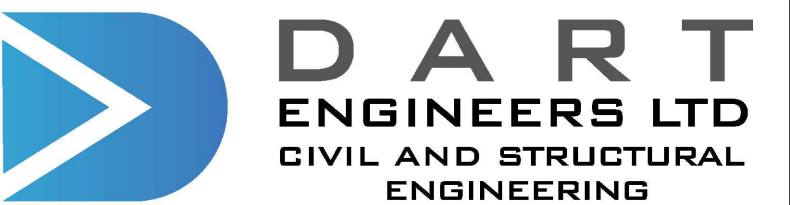
CHAINAGE	0.000	10.000	20.000	30.000
SURFACE WATER PIPE DETAILS		2.000 21.3in 1500 8000 CONC-CLAY 120 120/30/10000/1.1 2002 100mm TYPE S B1.5 & B1000000 7		
PROPOSED GROUND LEVEL	50.000		50.100	
EXISTING GROUND LEVEL	49.380		50.000	



CHAINAGE	0.000	10.000	20.000	30.000
SURFACE WATER PIPE DETAILS	3.000 E.W. PIPE 3 10000 CONC. CLASS 100 10000 REBAR 16 2000 10mm TYP. S REB. & SURROUND >	3.001 10.000 TYP. S 8000 CONC. CLASS 100 10000 REBAR 16 2000 10mm TYP. S REB. & SURROUND >		
PROPOSED GROUND LEVEL	50.800		49.400	
EXISTING GROUND LEVEL	49.000		48.000	



CHAINAGE	0.000	10.000	20.000	30.000
SURFACE WATER PIPE DETAILS	4.000 E.D.W. 1500 4.000 E.D.W. CLASS 12 IN. 4.000 4.000 15.000 15.000 4.000 4.000 15.000 15.000 4.000 4.000 15.000 15.000			
PROPOSED GROUND LEVEL	47.100	47.100	47.100	
EXISTING GROUND LEVEL	44.000	44.000	44.000	



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CLIENT

WORDSWORTH PROPERTIES

PROJECT

LONG LANE

DRAWING TITLE

S104 Longsections

Drawn

HD

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04.12

1/100 1/500

Sheet Size

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