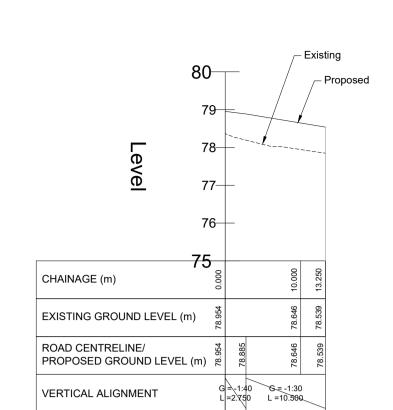
No work is to be carried out until the appropriate techincal approvals are in place and relevant planning conditions are discharged. Any work carried out on site before technical approval is obtained and planning conditions are discharged is

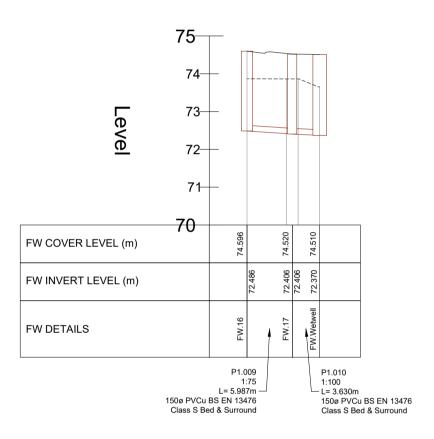
entirely at the contractors risk.



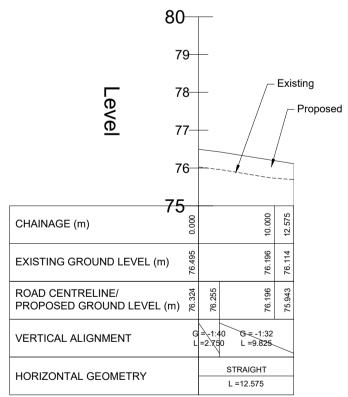
HORIZONTAL GEOMETRY

ROAD 2A SCALE: H 1:500,V 1:100. DATUM: 75.000

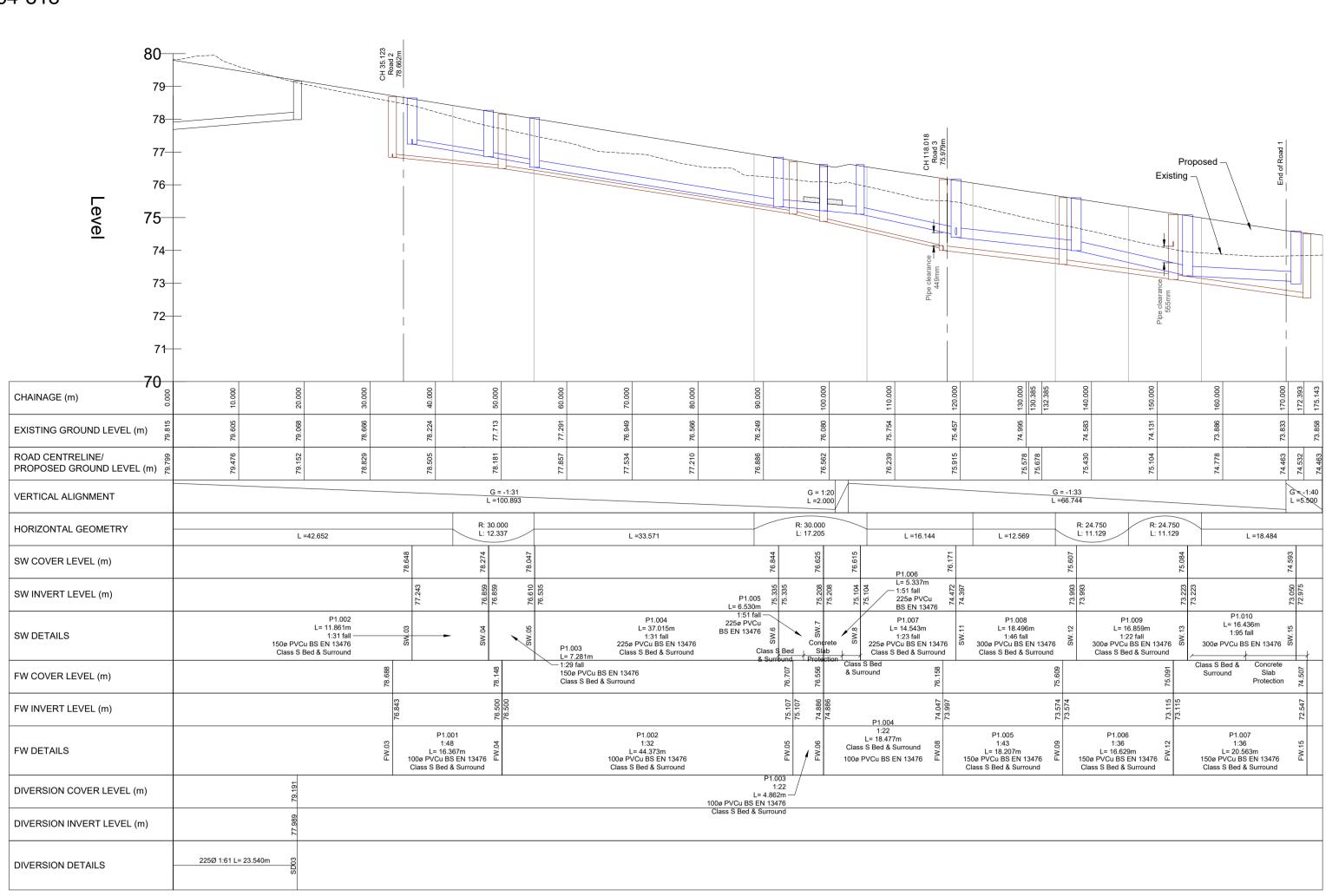
L =13.250



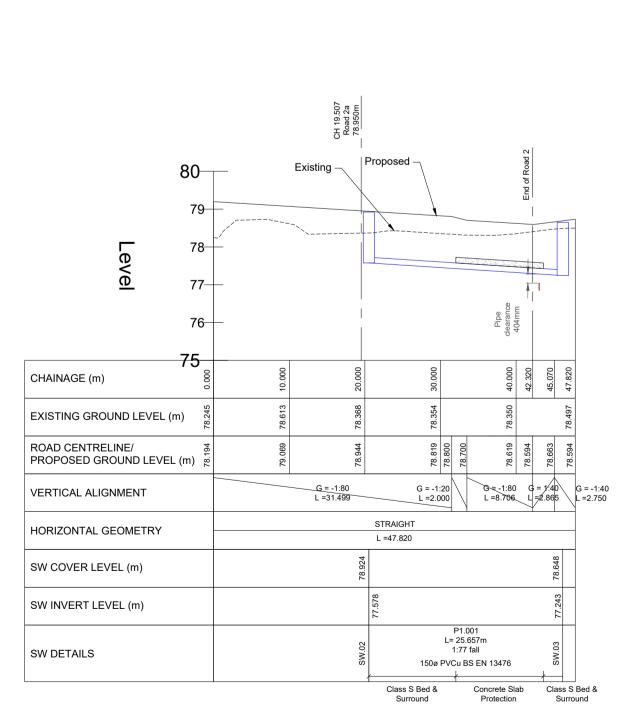
FOUL DRAIN PN1.009 & PN1.010 SCALE: H 1:500,V 1:100. DATUM: 70.000



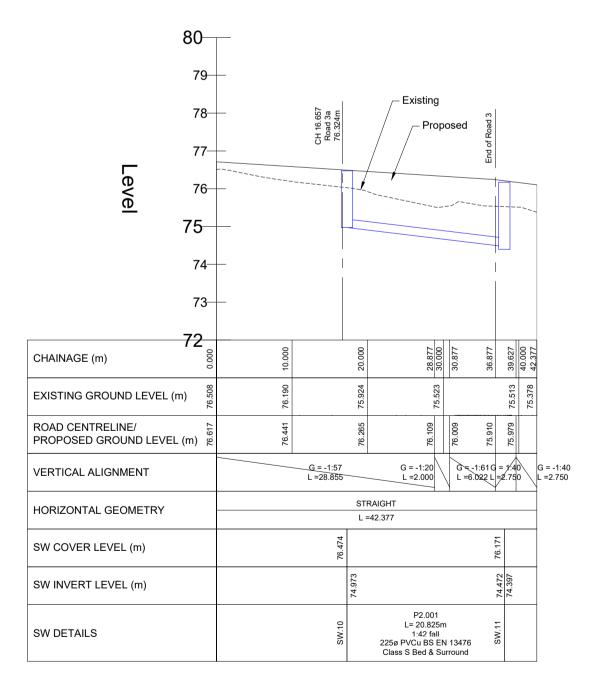
ROAD 3A SCALE: H 1:500,V 1:100. DATUM: 75.000



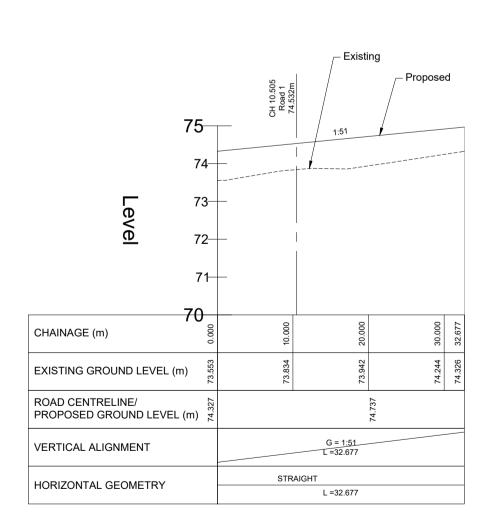
ROAD 1 DRAINAGE LONGSECTION SCALE: H 1:500,V 1:100. DATUM: 70.000



ROAD 2 DRAINAGE LONGSECTION SCALE: H 1:500,V 1:100. DATUM: 75.000



ROAD 3 DRAINAGE LONGSECTION SCALE: H 1:500,V 1:100. DATUM: 72.000



ROAD 1 TURNING HEAD SCALE: H 1:500,V 1:100. DATUM: 70.0 Drainage Notes

CDM Regulations - Drainage

1. All design work has been carried out with health & safety aspects given full consideration. Wherever possible risks have been eliminated from the design, however due to the nature of this type of work it is not possible to remove all

The contractor shall provide satisfactory responses via suitable method statements as to the manner in which they propose to carry out the work and

· All trench excavations, regardless of depth. · Guarding to edges of excavations to prevent injury.

deal with any highlighted risk, in particular the following :

- Guarding of the works outside normal working hours.
- Undermining of adjacent roads or structures. Confined spaces operations.
- Dealing with existing services.
- Traffic management on existing highways.

D400 to BS EN 124 with 150mm deep frames in highways.

Procedures to be followed in the event of an emergency Methods of working where ground contamination may be present. Dealing with existing sewer flows.

The above list is by no means exhaustive, but does highlight operations that present a risk to both contractors and the general public.

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

2. Manhole covers shall/must have a clear opening of 600mm and shall be Class

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. Cover slabs must carry the BSI kite mark or will be rejected by the Yorkshire Water Inspector. Where the clear opening of the Kitemarked product is different to that of the cover and frame, a load bearing slab should be fitted above the cover slab to bring the size down to 600 x 600mm for the Yorkshire Water specified cover size. Please refer to the Concrete Pipe Systems Association (CPSA), "Technical Bulletin" issued autumn 2004

6. The adoptable sewers should be a minimum of 1m and manholes 0.5m from kerb

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

8. Sewers must have 5 metres clearance from trees and hedges or the width of the canopy at mature height.

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 nonvehicular access areas) then a concrete slab should be provided 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. 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.

12. 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 Yorkshire Water would require clay ware channel in

13. All levels related to Met Geo-environmental P20-00984. Using the OS GPS Network and applying OSGM15 National Geoid Model to obtain local area corrections.

14. 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.

15. 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

P5 Updated to suit CL changes due to road level alterations

P4 Drainage altered to accomodate dual rising main

P3 Altered to suit pump station

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_ / /	Froposed	
10.000		
76.196		
76.255 76.196 75.943		
-1:40 G = -1:32 -2.750 L =9.825		
STRAIGHT L =12.575		
	25.1-7-1.35 25.1-7-1.36 75.943 76.114 12.575	

	Drawing altered to suit layout					МН	04/03/2022
	Initial Issue			LW	МН	28/01/2022	
,		Revision By Chk Date			Date		
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	S0 WORK IN PROGRESS						

LW MH 16.09.22

LW MH 08/08/2022

LW MH 10/06/2022

Melia Smith & Jones

Melia Smith & Jones

High Street, Shafton

Adoptable Drainage and Road Longsections

Vistry Partnerships

219112-MSJ-ZZ-XX-DR-D-4003