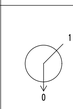
Manhole Number	Cover Level	Connections	Pipe				Manhole Size	Types	
Coordinates	Depth To Soffit		Code	Inverts	Diams			Manhole	Cover
F1	63.000		0	1.000	61.650	150	1200	C	D400
E. 1034.108	1.200								
N. 3177.631									
F2	62.500		1	1.000	61.124	150	1200	C	D400
E. 1003.944	1.226		0	1.001	61.124	150			
N. 3201.975									
F3	62.400		1	1.001	60.975	150	EXISTING	EXISTING	EXISTING
	1.275		0	Existing	60.900	225			
F4	62.353		0	1.000	61.000	150	1200	C	D400
E. 1056.956	1.203								
N. 3101.192									
F5	62.457		1	1.000	60.773	150	1200	B	D400
E. 1032.068	1.534		0	1.001	60.773	150			
N. 3108.694									
F6	62.885		1	1.001	60.473	150	1200	B	D400
E. 1005.287	2.262		0	1.002	60.473	150			
N. 3130.077									
F7	63.010		1	1.002	60.045	150	1200	B	D400
E. 967.029	2.815		0	1.003	60.045	150			
N. 3160.623									
F8	62.934		1	1.003	59.992	150	1200	B	D400
E. 960.981	2.792		0	1.004	59.992	150			
N. 3159.946									
F9	62.488		1	1.004	59.704	150	1200	B	D400
E. 940.518	2.634		0	1.005	59.704	150			
N. 3134.199									
F10	61.290		0	2.000	59.940	150	1200	C	D400
E. 921.185	1.200								
N. 3228.703									
F11	61.543		1	2.000	59.762	150	1200	B	D400
E. 920.335	1.631		0	2.001	59.762	150			
N. 3208.324									
F12	61.762		1	2.001	59.607	150	1200	B	D400
E. 916.643	2.005		0	2.002	59.607	150			
N. 3191.042									
F13	61.613		1	1.005	59.264	150	1200	B	D400
			2	2.002	59.264	150			
E. 898.824	2.199								
N. 3156.167			0	1.006	59.264	150			

Manhole Number	Cover Level	Connections	Pipe				Manhole Size	Types	
Coordinates	Depth To Soffit		Code	Inverts	Diams			Manhole	Cover
F14	61.425		1	1.006	59.142	150	1200	B	D400
E. 891.801	2.133								
N. 3142.840			0	1.007	59.142	150			
F15	61.300		1	1.007	58.972	150	1200	B	D400
E. 871.585	2.178								
N. 3148.521			0	1.008	58.972	150			
F16	60.850		1	1.008	58.900	150	1800	B	D400
E. 864.458	1.800								
N. 3143.366			0	Existing	58.225	825			

SUBJECT TO THE APPROVAL OF ALL RELEVANT AUTHORITIES

N O T E S

1. This drawing is to be read in conjunction with all relevant ARP and Architects drawings and project specifications.
2. Survey related to topographical survey supplied by Minerva Works Developments Ltd.
3. Co-ordinates to be checked prior to works commencing. Any discrepancies to be brought to the immediate attention of ARP.

Yorkshire Water General Notes

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 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 with regard to 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 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 "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 non-vehicular access areas) then a concrete slab should be provide 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 channel sections in manholes are not acceptable and Yorkshire Water would prefer clayware channel in manholes.
11. The minimum crushing strength for clay pipes should be as follows : 100mm dia. 40KN/m, 150mm dia. 40KN/m, 225mm dia. 45KN/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.
12. Yorkshire 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. 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.

Rev	By	Date	Revision	Chk	Apvd
/	DJG	26.01.24	Issued for approval	MI	MI

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ARP Associates is a trading division of ARP Geotechnical Ltd, a company registered in England and Wales with company number 3771811, whose registered office is at 5/6 Northwest Business Park, Servia Hill, Leeds LS6 2QH

TITLE
PHASE 5
FOUL WATER
MANHOLE SCHEDULES

PROJECT
CROSSLEY LANE,
HUDDERSFIELD

CLIENT
MINERVA WORKS
DEVELOPMENTS LTD

DRAWING STATUS
PRELIMINARY

Scale	Date	Drawn	Chk.
N/A @ A1	JAN 24	DJG	MI

Drg. No. 0906/03/11.02 Rev /