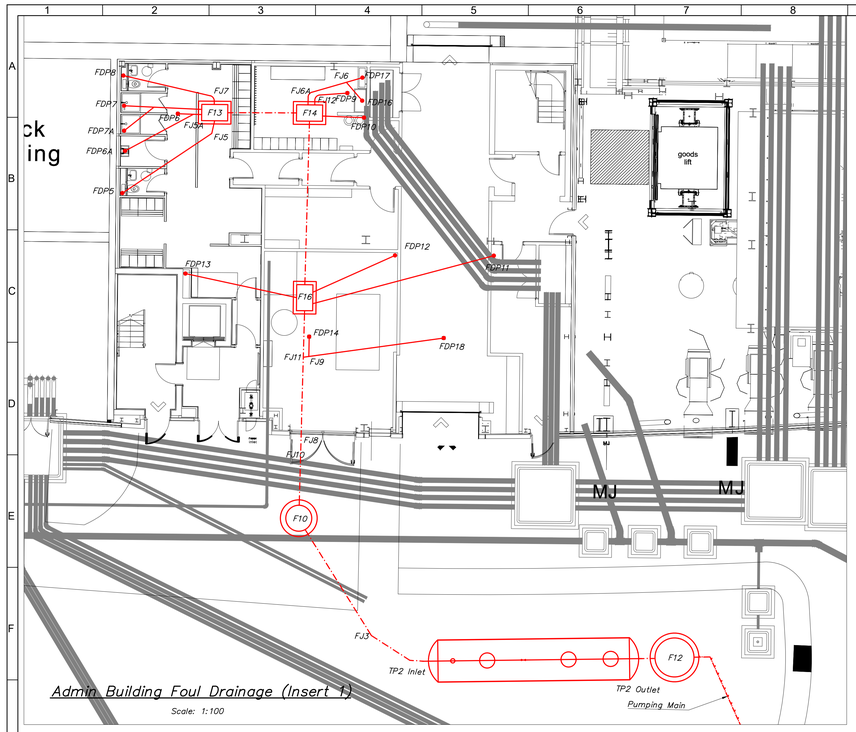
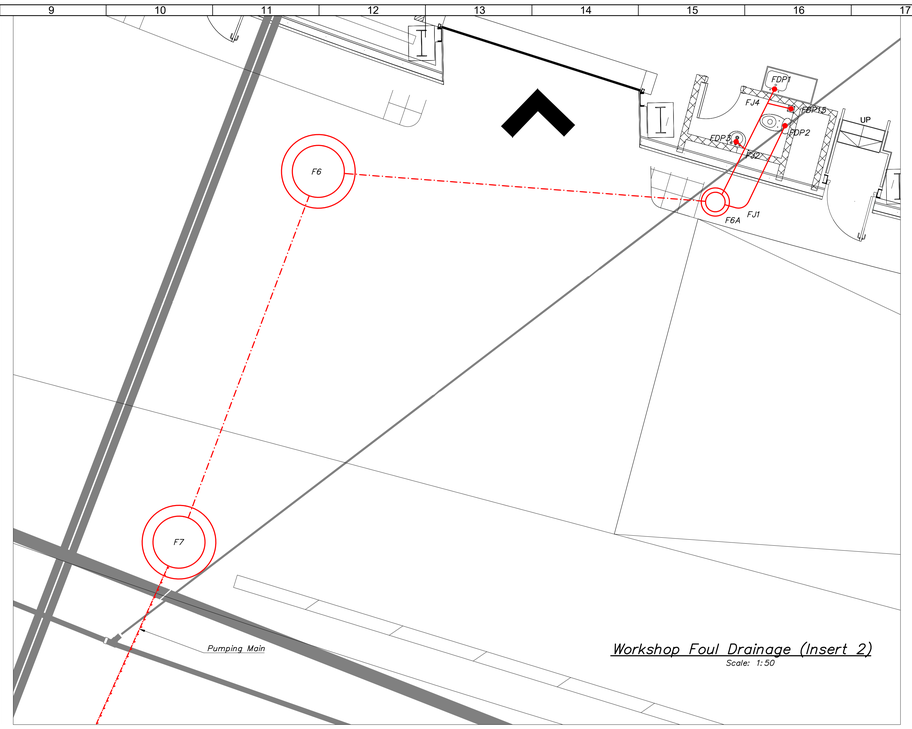


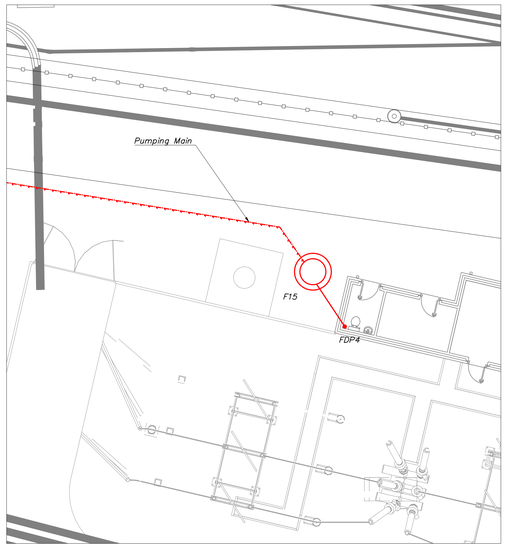
Admin Building Foul Drainage (Insert 1)

Scale: 1:100



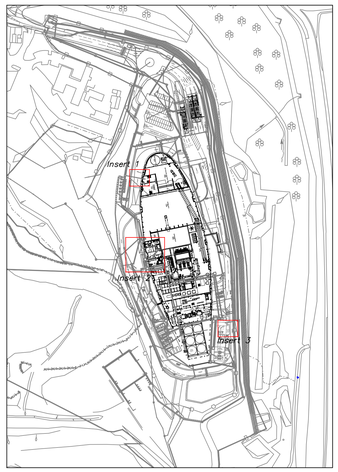
Workshop Foul Drainage (Insert 2)

Scale: 1:50



Substation Foul Drainage (Insert 3)

Scale: 1:100



Site Plan

Scale: 1:2500

Manhole Number / Coordinates	Cover Level / Depth To Invert	Connections	Pipe: Code	Inverts	Diams	Manhole Size	Types: Manhole	Cover
FDP1 E. 448854.142 N. 318051.582	95.100 0.325	0	0 5.000	94.775	100	Drain Point		
FJ1 E. 448851.269 N. 318051.756	95.328 0.607	1 → 0	1 7.000 0 7.001	94.721 94.721	100 100	Junction		
FDP2 E. 448853.355 N. 318051.192	95.100 0.325	0	0 7.000	94.775	100	Drain Point		
FJ2 E. 448852.663 N. 318052.008	95.000 0.270	1, 2 → 0	1 5.001 2 4.000 0 4.001	94.730 94.730 94.730	100 100 100	Junction		
FDP3 E. 448852.786 N. 318052.231	95.100 0.325	0	0 4.000	94.775	100	Drain Point		
FJ3 E. 448848.939 N. 317976.587	92.985 1.853	1 → 0	1 8.008 0 8.009	91.132 91.132	150 150	Junction		
FDP4 E. 448950.311 N. 317882.661	92.886 0.500	0	0 24.000	92.386	100	Drain Point		
FJ4 E. 448853.790 N. 318051.683	95.000 0.240	2, 1 → 0	1 6.000 2 5.000 0 5.001	94.760 94.760 94.760	100 100 100	Junction		
FDP5 E. 448866.522 N. 317992.075	93.000 0.400	0	1 8.000 0 8.000	92.600 92.600	100 100	Drain Point		
FJ5 E. 448870.078 N. 317988.610	92.850 0.374	1 → 0	1 8.000 0 8.001	92.476 92.476	100 100	Junction		
F6 E. 448850.355 N. 318061.586	95.055 1.589	1 → 0	1 4.002 0 4.003	94.492 93.466	150 150	1200	Type B	D400
FDP6 (Gully) E. 448870.640 N. 317990.330	93.000 0.400	0	0 12.000	92.600	150	Drain Point		

Manhole Number / Coordinates	Cover Level / Depth To Invert	Connections	Pipe: Code	Inverts	Diams	Manhole Size	Types: Manhole	Cover
FJ6 E. 448873.671 N. 317983.018	93.000 0.436	2, 1 → 0	1 17.000 2 16.000 0 16.001	92.565 92.564 92.564	100 100 100	Junction		
F7 Pumping Station 1 E. 448841.357 N. 318063.188	94.925 1.611	1	1 4.003	93.314	150	Compact Pumping Station		
FDP7 E. 448870.484 N. 317992.833	93.000 0.400	0	0 9.000	92.600	100	Drain Point		
FJ7 E. 448871.758 N. 317988.845	92.850 0.358	1 → 0	1 11.000 0 11.001	92.492 92.492	100 100	Junction		
FDP8 E. 448871.839 N. 317993.159	93.000 0.400	0	0 11.000	92.600	100	Drain Point		
FJ8 E. 448857.147 N. 317981.651	92.850 0.705	1 → 0	1 8.005 0 8.006	92.145 92.145	150 150	Junction		
FDP9 (Gully) E. 448873.197 N. 317982.874	93.000 0.400	0	0 15.000	92.600	150	Drain Point		
FJ9 E. 448860.940 N. 317982.089	92.850 0.526	1, 2 → 0	1 22.000 2 21.000 0 21.001	92.324 92.324 92.324	150 150 150	Junction		
F10 E. 448853.541 N. 317980.988	92.800 1.626	1 → 0	1 8.007 0 8.008	91.174 91.174	150 150	1200	Type B	D400
FDP10 E. 448872.248 N. 317981.888	93.000 0.400	0	0 14.000	92.600	100	Drain Point		
FJ10 E. 448856.294 N. 317981.494	92.836 1.556	1 → 0	1 8.006 0 8.007	91.280 91.280	150 150	Junction		
FDP11 E. 448867.266 N. 317974.704	93.000 0.400	0	0 20.000	92.600	150	Drain Point		

Manhole Number / Coordinates	Cover Level / Depth To Invert	Connections	Pipe: Code	Inverts	Diams	Manhole Size	Types: Manhole	Cover
FJ11 E. 448860.852 N. 317982.332	92.850 0.598	2, 1 → 0	1 21.001 2 8.004 0 8.005	92.252 92.252 92.252	150 150 150	Junction		
F12 Pumping Station 2 E. 448850.857 N. 317962.693	93.120 2.167	1 → 0	1 8.011 0 8.012	90.953 92.719	150 100	Compact Pumping Station		
FDP12 E. 448866.328 N. 317979.169	93.000 0.500	0	0 18.000	92.500	100	Drain Point		
FJ12 E. 448872.847 N. 317984.098	92.850 0.344	1 → 0	1 15.000 0 15.001	92.506 92.506	150 150	Junction		
F13 E. 448871.046 N. 317988.678	92.850 0.420	3, 2, 4, 1 → 0	1 11.001 2 9.002 3 12.001 4 8.001 0 8.002	92.474 92.480 92.430 92.452 92.430	100 100 150 100 150	1200 × 750	Double sealed recessed internal mahole	D400
FDP13 E. 448863.496 N. 317988.454	93.000 0.480	0	0 19.000	92.520	100	Drain Point		
F14 E. 448871.936 N. 317984.393	92.850 0.463	3, 2, 4, 1 → 0	1 14.000 2 15.001 3 16.002 4 8.002 0 8.003	92.437 92.387 92.437 92.387 92.387	100 150 100 150 150	750 × 1200	Double sealed recessed internal mahole	D400
FDP14 (Gully) E. 448861.835 N. 317982.262	93.000 0.400	0	0 21.000	92.600	150	Drain Point		
F15 Pumping Station 3 E. 448952.532 N. 317884.567	92.821 1.000	1 → 0	1 24.000 0 24.001	92.283 91.821	100 100	Compact Pumping Station		
FDP15 E. 448853.760 N. 318051.075	95.100 0.325	0	0 6.000	94.775	100	Drain Point		
F16 E. 448863.553 N. 317982.840	92.850 0.520	3, 2, 1, 4 → 0	1 20.000 2 18.000 3 8.003 4 19.000 0 8.004	92.330 92.380 92.330 92.380 92.330	150 100 150 100 150	1200 × 750	Double sealed recessed internal mahole	D400
FDP16 E. 448872.997 N. 317982.133	93.000 0.400	0	0 17.000	92.600	100	Drain Point		

Manhole Number / Coordinates	Cover Level / Depth To Invert	Connections	Pipe: Code	Inverts	Diams	Manhole Size	Types: Manhole	Cover
FDP17 E. 448874.040 N. 317982.346	93.000 0.400	0	0 16.000	92.600	100	Drain Point		
FDP18 (Gully) E. 448863.066 N. 317976.177	93.000 0.400	0	0 22.000	92.600	150	Drain Point		
F6A E. 448851.330 N. 318052.449	95.255 0.610	1, 2 → 0	1 7.001 2 4.001 0 4.002	94.695 94.695 94.645	100 100 150	450	PPIC	D400
FDP6A E. 448868.451 N. 317992.360	93.000 0.400	0	0 13.000	92.600	100	Drain Point		
FDP7A E. 448869.361 N. 317992.590	93.000 0.400	0	0 10.000	92.600	100	Drain Point		
FJ5A E. 448870.765 N. 317989.623	93.000 0.540	2, 1 → 0	1 12.000 2 13.000 0 12.001	92.460 92.510 92.460	150 100 150	Junction		
FJ6A E. 448872.831 N. 317984.618	92.850 0.370	1 → 0	1 16.001 0 16.002	92.480 92.480	100 100	Junction		
FJ7A E. 448870.706 N. 317991.476	92.850 0.294	2, 1 → 0	1 9.000 2 10.000 0 9.001	92.556 92.556 92.556	100 100 100	Junction		
TP2 Inlet E. 448848.271 N. 317974.031	93.229 2.116	1	1 8.009	91.114	150			
TP2 Outlet E. 448850.462 N. 317964.302	93.125 2.162	0	0 8.011	90.964	150			

Legend:

Proposed Foul Drainage

Notes:

1. This drawing should be read in conjunction with all relevant Architectural and Engineering drawings.
2. External pipes with cover exceeding 1.2m in trafficked areas and 0.9m in non-trafficked areas to have class S bedding. All pipes with cover less than 1.2m in trafficked areas and 0.9m in non-trafficked areas to have class Z bedding.
3. Contractor to confirm the location and level of any existing obstructions/structures etc., uncovered during the works.
4. Contractor to confirm the location and level of any existing sewers prior to the commencement of any works. Any discrepancies are to be notified to the engineer immediately.
5. Contractor to confirm the location of all existing services, buried and overhead, prior to the commencement of the works.
6. All works to comply with current British Standards, Codes of Practice, and Building Regulations. The Contractor shall verify all information on site and report any discrepancies immediately to the Architect/Engineer.
7. All drainage to be constructed in accordance with, 'WRc Sewers for Adoption'
8. Refer to drawing no. VUA-DOCO-11000301 in relation to site wide drainage.
9. Refer to drawing VUD_DOCO-11000313 & 11000310 for Drainage Construction Details.
10. Refer to drawing VUD-DOCO-11000351 for all foul Manhole Schedules
11. Note 4No. gullies to have a side outlet

Rev.	Modifications	Drawn	Checked	Approved
1.0	First Issue - 10.11.2020	AMCG	AC	PGK

Project No.: YE-3368
Project Name.: Newhurst
Description: Drainage
Title: Foul Drainage Layout

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Revision: 1.0

Hitachi Zosen INOVA