

FOUL DRAINAGE SCHEDULE

MH Ref	Cover Level (m)	Invert Level (m)	Cover Depth (m)	D/S Pipe Dia. (mm)	D/S Pipe Gradient (1:x)	MH Dia. (mm)	MH Type	Cover Load Class
F2	210.610	210.060	0.450	100	7.4	450	E	A15
F3	211.000	209.015	1.885	100	76.7	450	E	A15
F4	211.250	208.900	2.200	150	144.0	450	D	A15
F5	211.100	208.800	2.150	150	137.5	450	E	A15
F6	211.100	210.500	0.500	100	42.5	450	E	A15
F7	211.100	210.300	0.700	100	5.0	450	E	A15
F8	211.100	208.780	2.170	150	149.4	450	D	A15
F9	211.100	210.200	0.800	100	21.6	450	E	A15
F10	211.000	210.000	0.900	100	2.0	450	E	A15
F11	210.790	209.700	0.990	100	4.1	450	E	A15
F12	210.900	209.100	1.700	100	71.2	450	E	A15
F13	211.100	209.700	1.300	100	11.8	450	E	A15
F14	211.100	209.000	2.000	100	31.5	450	D	A15
F15	211.100	208.870	2.130	100	73.7	450	D	A15
F16	211.100	208.665	2.285	150	140.0	450	D	A15
F17	211.100	208.610	2.340	150	149.7	450	D	A15
F18	211.100	208.580	2.370	150	136.0	450	D	A15

SURFACE WATER DRAINAGE SCHEDULE

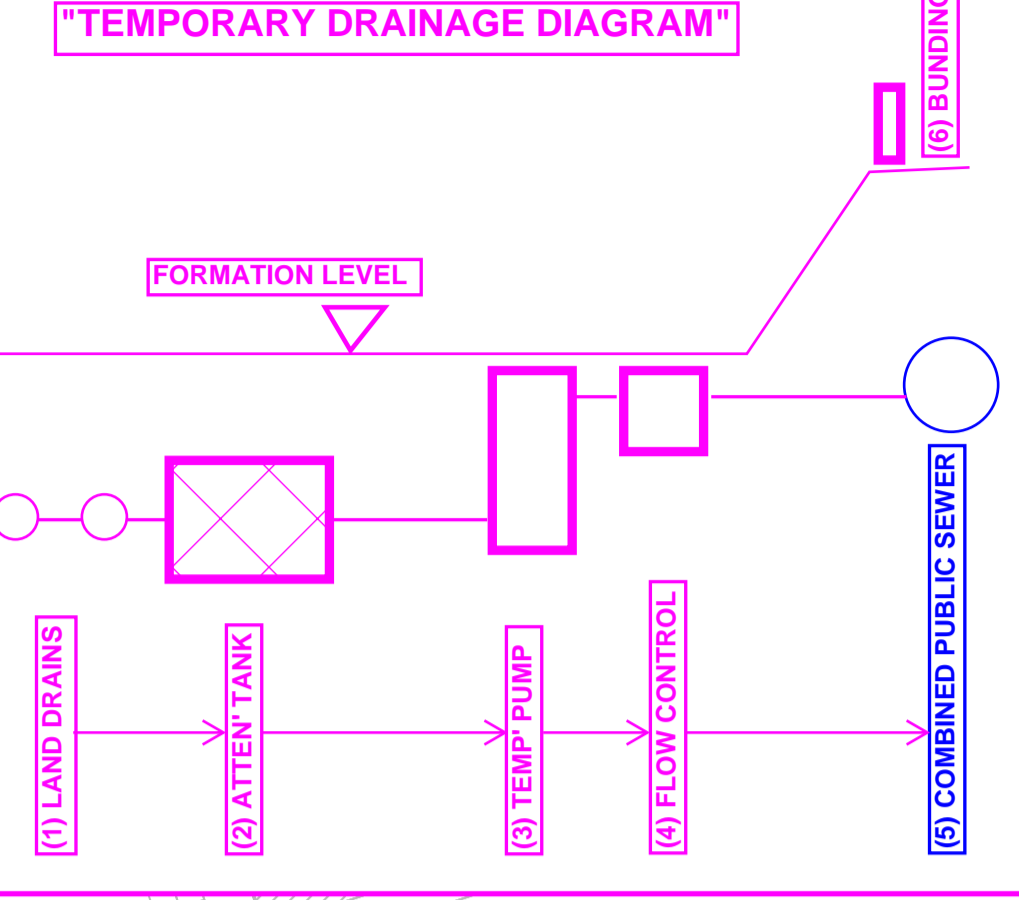
MH Ref	Cover Level (m)	Invert Level (m)	Cover Depth (m)	D/S Pipe Dia. (mm)	D/S Pipe Gradient (1:x)	MH Dia. (mm)	MH Type	Cover Load Class
S1	211.100	210.000	0.950	150	97.9	450	E	A15
S2	211.200	209.950	1.100	150	57.8	450	D	D400
S3	211.100	209.810	1.140	150	215.4	600	D	D400
RE	211.200	210.500	0.550	150	14.8	N/A	N/A	N/A
S4	211.200	210.050	1.000	150	51.6	450	E	A15
S5	211.150	209.900	1.100	150	69.6	450	E	A15
S6	211.100	209.830	1.120	150	200.3	600	D	D400
S7	211.100	209.760	1.190	150	145.3	1200	ORIFICE CHAMBER	D400
S8	211.100	209.625	1.325	150	80.0	1200	CATCHPIT	A15
S9	210.650	209.600	0.900	150	49.5	450	E	A15
S10	209.900	209.250	0.500	150	60.7	450	E	A15
S11	209.950	209.175	0.625	150	68.2	450	E	A15
S12	210.000	208.975	0.875	150	67.5	450	E	A15
S13	211.100	208.900	2.050	150	26.0	600	CATCHPIT	A15
S14	211.100	210.000	0.950	150	68.4	450	E	A15
S15	210.200	209.600	0.450	150	117.3	450	E	A15
S16	210.150	209.550	0.450	150	127.2	450	E	A15
S17	210.100	209.490	0.460	150	126.6	450	E	A15
S18	210.100	209.440	0.510	150	145.5	450	E	A15
S19	211.100	209.390	1.560	150	5.8	600	CATCHPIT	A15
S20	211.100	208.570	2.380	150	139.9	1200	FLOW CONTROL CHAMBER	D400

DRAINS S3-S7 & S6-S7 ARE PERFORATED PIPES THAT ARE ALSO PERVIOUS PAVEMENT UNDERDRAINS. COVER LEVELS ARE APPROXIMATE. THEY ARE TO SUIT THE ARCHITECT'S FINISHED LEVELS.

ITEM 2: TEMPORARY BUNDING TO CONSTRUCTION SITE PERIMETER, TO PREVENT SURFACE WATER FLOW OUT OF SITE. (LOCATION TO BE SAME AS SITE BOUNDARY & WHERE REQUIRED.)

ITEM 2: TEMPORARY ATTENUATION TANK TO STORE WATER FROM LAND DRAINS FOR CONSTRUCTION PHASE. INSTALLED AT A LEVEL BELOW FORMATION LEVEL

ITEM 2: LAND DRAINS INSTALLED BELOW FORMATION LEVEL TO CAPTURE WALL SURFACE WATER ACROSS CONSTRUCTION SITE



POLYSTORM-R ATTENUATION TANK  
83.5m<sup>3</sup> x 1.2m DEEP.  
C.L. 211.100, I.L. 208.600.  
POLYSTORM ACCESS & INSPECT CELLS TO BE INCORPORATED.

CROWN VORTEX VALVE  
TYPE R3 SW ONLY, 65mmØ;  
C.L. 211.100, I.L. 208.570; 5 ls MAX.  
OUTFLOW, 1.23m DESIGN HEAD.

ITEM 4: TEMPORARY SURFACE WATER PUMP TO PUMP WATER UP TO CORRECT LEVEL FOR DISCHARGE INTO FLOW CONTROL VIA HYDRO BREAK

ITEM 2: 7 x 7m CONCRETE CRANE MAT

TPL MARK UP  
05.02.2024

REV A: 21.03.2024

PROPOSED OPTION FOR TEMPORARY SURFACE WATER DRAINAGE STRATEGY FOR CONSTRUCTION PHASE

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KEY

- Proposed Foul Drain - - - ●
- Proposed Surface Water Drain - - - ○
- Perforated Underdrain - - -
- Existing Combined Sewer - - - ●
- Rainwater Pipe, Rodding Eye RWP, RE
- Foul Connection (svp, ss, sink, etc) SVP
- Site Boundary ---
- Permeable Parking Bays ▨

NOTES

1. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL RELEVANT ENGINEERS' AND ARCHITECT'S DRAWINGS.
2. THE PROPOSED DRAINAGE IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE BUILDING REGULATIONS AND THE CIVIL ENGINEERING SPECIFICATION FOR THE WATER INDUSTRY.
3. ROOT BARRIER PROTECTION IS TO BE PROVIDED FOR DRAINAGE LOCATED WITHIN TREE CANOPY AREAS.
4. A PROTECTIVE GEOTEXTILE / PLASTIC MEMBRANE IS TO BE APPLIED TO ALL FOUL DRAINS LAID ABOVE STORMWATER PIPES.
5. UNLESS OTHERWISE INDICATED, FOUL DRAINS WILL BE 100mmØ LAID AT 1:80 MINIMUM GRADIENT AND SURFACE WATER DRAINS WILL BE 150mmØ LAID AT 1:150 MINIMUM GRADIENT.
6. MANHOLE COVER LEVELS ARE TO BE ADJUSTED TO SUIT ADJACENT FINISHED LEVELS.
7. PREFABRICATED DRAINAGE COMPONENTS ARE TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS' INSTRUCTIONS AND MANUALS.
8. ACCESS AT THE HEAD WILL NEED TO BE PROVIDED WHERE A FOUL CONNECTION DISCHARGES AT A JUNCTION RATHER THAN INTO AN INSPECTION CHAMBER.
9. FOUL & SURFACE WATER DRAINAGE CONNECTIONS INTO THE EXISTING PUBLIC SEWER WILL REQUIRE THE PRIOR APPROVAL OF YORKSHIRE WATER UNDER SECTION 106 OF THE WATER INDUSTRY ACT.

rev.	date	Description	Drawn	Chk.
D	23.01.24	Drainage revised; drainage schedules added. Issued W.I.P.	DM	WEH
C	19.12.23	Drainage layout revised.	DM	WEH
B	06.11.23	Attenuation tank dimensions revised.	DM	WEH
A	25.10.23	Dimension added from attenuation tank to building line	MPS	WEH
	27.09.23	WORK IN PROGRESS		

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project:  
Care Home Development  
Thomas Street, Lindley  
Huddersfield

drawing title:  
Proposed Drainage Layout

scale:	status:	
1:200 (A1)	Preliminary	
job number:	drawing number:	revision:
10-6102	500	D

