Project/Task No. 13133-05 Scale: 1:50 ORIGINAL DRAWING SIZE A1

LEGEND

- EXISTING SURFACE WATER DRAIN
- EXISTING FOUL WATER DRAIN
- PROPOSED SURFACE WATER DRAIN
- PROPOSED FOUL WATER DRAIN
- PROPOSED ABOVE GROUND FOUL WATER DRAIN (REFER TO M+E ENGINEER DESIGN)
- PROPOSED TYPE 3 INSPECTION CHAMBER Min. ⌀450mm
- SVP / SS — PROPOSED SOIL VENT PIPE / STUB STACK
- RWP — PROPOSED RAINWATER DOWNPIPE
- RE — PROPOSED RODDING EYE
- TREE ROOT PROTECTION AREA (CONFIRMED BY SPECIALIST)

ALL EXCAVATIONS IN REMAINING TREE ROOT PROTECTION AREAS ARE TO BE HAND DUG, TO MINIMISE DAMAGE TO TREE ROOTS

- PROPOSED SURFACE WATER ATTENUATION TANK

EXISTING HARD OUTDOOR PE AREA

EXISTING HEDGEROW TO BE CUT BACK/REMOVED

150⌀ PVC

EXISTING TARMAC FOOTPATH (TO REMAIN)

MH SW4 CL 49.32 IL 48.83

FW IC7 CL 49.47 IL –

GAS GAS GAS GAS GAS GAS GAS

150⌀ VC

100⌀ PVC

EXISTING TREE: GRADE C1 TO BE REMOVED (FIELD MAPLE - T38)

EXISTING TREE ROOT PROTECTION AREA FOR REMOVED FIELD MAPLE

MH SW3 CL 49.73 IL 48.95

EXISTING GAS MAIN (APPROX. LOCATION) TO BE CONFIRMED BY CONTRACTOR

PROPOSED MODULAR BLOCK (FFL 50.150m)

SVP

SS

SS

SS

EXISTING BT CABLE TO BE DIVERTED

EXISTING SURFACE WATER DRAIN TO BE REMOVED DUE TO CONFLICT WITH PROPOSED FOUNDATIONS

EXISTING ELECTRIC CABLE TO BE DIVERTED

MH SW2 CL – IL –

150⌀ VC

RWP

RE

CAST PIPE THROUGH GROUND BEAM IL 49.28

RWP

RWP

100⌀ VC

FW IC6 CL 49.84 IL –

FW IC5 CL 49.91 IL 48.97

100⌀ VC

RWP

FW MH CL 50.01 IL 49.18

100⌀ PVC

FW IC2 CL 50.04 IL 49.21

ATTENUATION TANK INSPECTION CHAMBER

DISCHARGE CONTROLLED BY ⌀50mm ORIFICE

PROPOSED SW ATTENUATION CL 50.00 IL 49.30 1.0 x 4.5m WAVIN AQUACELL 0.4m CRATE DEPTH WITH 0.3m TOPSOIL COVER

100⌀ PVC

FW IC3 CL 50.06 IL 49.75

SW MH CL 49.97 IL –

SW MH CL 49.91 IL 49.12

FW IC4 CL 50.02 IL –

100⌀ VC

PROPOSED 150⌀ VITCLAY SURFACE WATER DRAINAGE DIVERSION

PROPOSED SW IC CL 50.02 IL (TBC by Contractor) TO DIVERT DRAINAGE AWAY FROM PROPOSED MODULAR BUILDING

EXISTING TARMAC FOOTPATH (TO REMAIN)

EXISTING CONCRETE PAVING SLAB FOOTPATH (TO REMAIN)

EXISTING TARMAC FOOTPATH (TO REMAIN)

Pipe-UTT

EXISTING TARMAC FOOTPATH (TO REMAIN)

EXISTING CONCRETE PAVING SUB FOOTPATH (TO REMAIN)

49.73

50.62

EXISTING MODULAR BLOCK (FFL 50.68m)

1:200 0 2m 4m 6m 8m 10m

1:500 0 5m 10m 15m 20m 25m

1:1000 0 10m 20m 30m 40m 50m

1:50 0 0.5m 1m 1.5m 2m 2.5m

INDICATIVE ONLY

1. GENERAL

(i) This drawing is not to be scaled, work to figured dimensions only, confirmed on site.

(ii) This drawing is to be read in conjunction with all relevant architectural drawings, detailed specifications where applicable and all associated drawings in this series.

(iii) Any discrepancy on this drawing is to be reported immediately to the partnership for clarification.

(iv) The contractor is responsible for all temporary works and for the stability of the works in progress.

DRAINAGE GENERAL

1. All foul and storm water drains which are not to be adopted as public sewers under a section 104 Agreement must be constructed in accordance with the Building Regulations, BS EN 752:2017 and, where appropriate, the relevant agreement certificates
2. Manholes, gullies, gully connections, sewers and other sewerage structures intended to convey surface water are to be constructed in accordance with Water UK "Sewerage Sector Guidance" (SSG) and relevant Council Design Guide
3. All concrete used in drainage works to comply with BRE Special Digest 1 (SD1:2005) for Class 2 sulphate conditions

BELOW GROUND DRAINAGE

1. Inspection Chambers to comply with BS EN 13598-1:2020 (Fittings and Shallow Chambers)
2. Plastic pipes shall be of unplasticised polyvinyl chloride (uPVC) complying with BS EN 1401-1:2019
3. Concrete pipes shall be spun by a centrifugal process or be vertically pressed. They shall possess self inverting sockets and shall comply with the requirements of and be tested in accordance with BS 5911-1:2021 and BS EN 1916:2002
4. All adoptable drainage to be constructed in accordance with Water UK "Sewerage Sector Guidance" (SSG) and the relevant Council Design Guide
5. All private surface water sewers to be laid at 1 in 80 unless otherwise stated on the drawing
6. All private foul water sewers to be laid at 1 in 40 at the head of pipe runs and 1 in 80 elsewhere unless otherwise stated
7. All private foul sewer pipes to be 100mm diameter unless otherwise stated on the drawing
8. All private surface water sewer pipes to be 100mm diameter from downpipes and 150mm diameter elsewhere unless otherwise stated on the drawing
9. Allow for rodding access above ground where rainwater downpipes do not have a direct connection to an inspection chamber
10. Existing sewer pipe to be re-used to be surveyed and levelled prior to commencement of the drainage works and refurbished if necessary
11. Connections to an adopted sewer only to be made following approval from the relevant adopting Authority
12. All drains, sewer pipes and manholes to be cleaned and tested for water tightness on completion of construction

MANHOLE COVERS & FRAMES

1. Manhole covers to be Class A15 in non-trafficked areas, Class B125 in footways & verges, Class C250 in external maintenance vehicle access areas and Class D400 in highways
2. Class E600 and F900 manhole covers to be used for heavy duty applications such as docks, airports and industrial areas
3. Manhole covers and frames to be bedded and surrounded in 1:3 mortar
4. Precast concrete manhole units shall comply with the requirements of BS 5911-3:2020 +A1:2014 and BS EN 1917:2002. The relevant absorption tests required shall be carried out on a sample of those rings and slabs used unless a certificate of testing is supplied by the manufacturer
5. Cover slabs situated under carriageways shall be heavy duty and those elsewhere shall be light duty

Description	By	Aprvd.	Date	Rev.
EXISTING TREE REMOVED	IB	AH	04.01.23	P03
UPDATED TENDER ISSUE	IB	AH	30.11.22	P02
TENDER ISSUE	IB	AH	18.11.22	P01

TENDER DRAWING

NOT FOR CONSTRUCTION

Title: PROPOSED BUILDING DRAINAGE PLAN SURFACE WATER AND FOUL WATER

Project: DOWNLANDS COMMUNITY SCHOOL DALE AVENUE, HASSOCKS BN6 8LP

Client: FAITHFUL + GOULD

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