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11

Contractor to provide and install Flygt TOP Series package pumping station or similar approved. Pumping station to operate on a duty / standby basis pumping 8l/s over a static head of 24m and 26m total head. Pumping station to be installed in line with manufactures instructions.

Air vent

600 x 750mm clear opening with heavy duty access cover (B125). Exact location to be advised by pump manufacturer

Cable ducts for power supply and ultrasonic cables to be sealed on completion.

CL 32.00m

1200

Ø80mm MDPE SDR 17

Ductile iron/ MDPE coupling

Ø1500mm precast concrete manhole rings

150mm thick concrete designated mix RC 32/40 with A193 mesh reinforcement.

Concrete benching

50mm bedding mortar

300mm thick concrete base slab with A193 mesh reinforcement

75mm concrete blinding

2 No. BS 2640 HT 3~ 268 submersible drainage pumps or similar approved equivalent On Duty/Standby basis peak flow rate 8l/s.

Ø300mm dia

IL 30.42m

1000

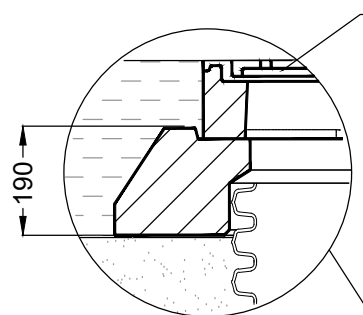
300

300

1500

### Typical Pumping Station Detail

Not to Scale



Support frame and cover  
Cast-in-place / precast concrete support collar. (If cast-in-place, ensure external shaft corrugations are not filled with concrete)

Access shaft

Stormbloc® optimum inspect

Road or footpath pavement build up to the Architects details

Finished Surface Level (31.90m)

1.2m

Stormbloc optimum system 1 bloc deep; 660mm height all blocks and inspect chambers =800mm long x 800mm wide

Geotextile fleece and 1mm polypropylene impermeable membrane to be installed around geocellular tank in accordance with C737 and manufacturers requirements

100mm thick minimum coarse sand/gravel surround prepared in accordance with C737

Existing Subgrade

Pipe connection + pipe adaptor

IL 30.01m

### Typical Cellular Attenuation Tank Detail

Not to Scale

Eye bracket and pull handle for operating rope

Type 2 manhole detail

Hydro International type MD6 hydro-brake

Pivoting bypass door

### Section A-A

Access to be positioned above pivoting by-pass door

Type 2 manhole detail

Fixing lugs (supplied with hydrobrake)

Neoprene rubber gasket (supplied with hydrobrake)

Inflow

Outflow

Sump

### Section B-B

A

Step irons

500 x 500 clear opening in cover slab

ST4 concrete mounting block

Inflow

Outflow

B

B

A

### Section C-C

### Hydro-Brake Detail for Outfall

Not to Scale

#### NOTES

- All dimensions are in millimetres unless otherwise noted.
- Unless otherwise indicated, all construction details shall comply with 'Sewers for Adoption' 7th Edition published by Water Services Association. For the purpose of this drawing, Thames Water standards have been used in the design.

P02	13/11/20	RO	RO	TMcD
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RIBA Stage 2

P01	23/10/20	TB	RO	TMcD
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For Information

Issue	Date	By	Chkd	Appd
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Client

Best Star Real Estate 2

Job Title

Haverstock Hill

Key Plan

Drawing Title

Proposed Drainage  
Details  
Sheet 3

Scale at A1

1:200

Discipline

Civil

Job No

268265-00

Drawing Status

For Information

Drawing No

HH-ARP-DR-C-1012

P02