Key

- Proposed SW manhole, Plastic Inspection Chamber (ppic) or Shallow Inspection Chamber (sic).
- Proposed FW manhole, Plastic Inspection Chamber (ppic) or Shallow Inspection Chamber (sic).
- Proposed SW sewer
- Proposed SW connection
- Proposed FW sewer
- Proposed FW connection
- Existing FW sewer
- Road gully
- Storm attenuation tank
- 6m Easement
- Site Boundary
- Pond with 300mm lined gravel subbase
- Porous Block Paving Parking Bays Subject to further development
- Exceedance Flow Arrow

NORTH

BREAKLINE 303795-SWH-XX-XX-DR-C-0500

Topographic survey does not include woodland boundary line or woodland edge trees in this area - approximate line (shown dashed) taken from OS & aerial mapping with main canopy trees plotted along it

FWMH02 CL 38.500 IL 37.150

Storm Attenuation Crates 29m x 6m = 174m2 174 x 0.8m deep (95% vr) = 132.2m3

Storm Attenuation Crates 30m x 6m = 180m2 180 x 0.8m deep (95% vr) = 136.8m3

Storm Attenuation Crates 17m x 4.0m = 68m2 68 x 0.8m deep (95% vr) = 51.8m3

Storm Attenuation Crates 33m x 6m = 198m2 198 x 0.8m deep (95% vr) = 150.5m3

Storm Attenuation Crates 16m x 9m = 144m2 144 x 0.4m deep (95% vr) = 54.7m3

Storm Attenuation Crates 59m x 5m = 295m2 295 x 0.4m deep (95% vr) = 112.1m3

SWMHSAT1 CL 37.000 IL 35.400

SWMHSAT2 CL 40.000 IL 38.000

SWMHSAT3 CL 39.500 IL 35.400

SWMHSAT4 CL 36.250 IL 34.100

SWMHSAT5 CL 36.250 IL 34.100

SWSAT1 CL 37.000 IL 35.400

SWSAT2 CL 37.000 IL 35.400

SWMH01 CL 38.000 IL 35.300

SWMH02 CL 39.000 IL 37.425

SWMH03 Hydrobrake unit ref No. MD-SHE-0069-2000-0900-2000 Design Head 0.9m Flow rate 2.0l/s CL 39.425 IL 35.100

SWMH04 CL 39.350 IL 34.990

SWMH05 CL 38.850 IL 34.790

SWMH06 CL 37.000 IL 34.490

SWMH07 Hydrobrake - Unit Ref MD-SHE-0198-2270-1800-1500 Design Head 0.9m Design Flow 2.0l/s CL 35.560 IL 33.400

SWMH08 CL 34.000 IL 32.120

SWMH09 CL 33.000 IL 30.588

SWMH10 CL 30.000 IL 26.525

FWMH05 CL 39.000 IL 37.290

FWMH06 CL 39.500 IL 36.252

FWMH07 CL 39.750 IL 35.754

FWMH08 CL 38.000 IL 37.185

FWMH09 CL 39.375 IL 35.490

FWMH10 CL 38.500 IL 35.105

FWMH11 CL 37.000 IL 34.569

FWMH12 CL 36.250 IL 34.099

FWMH13 CL 35.500 IL 33.624

FWMH14 CL 34.000 IL 32.724

FWMH15 CL 34.000 IL 32.008

FW 5301 CL 34.020 IL 32.340

FW 5201 CL 31.960 IL 30.550

STORM OUTFALL CL 24.000 IL 23.500

landscape buffer

ancient woodland landscape buffer

Smaller understorey & scrub vegetation between canopy trees

Dense willow, ash, blackthorn & bramble scrub

Dense willow, ash, bramble, ditch & bramble scrub

Smaller semi-mature ash within scrub

Mature multi-stem ash with heavy deback. Recommend low pollard & retain for wildlife value

existing tree removed

Dense willow, ash, bramble scrub

Dense willow, ash, blackthorn & bramble scrub

Dense willow, ash, bramble scrub

Woodland edge tree adjacent to footpath access in decline due to fire/ vandalism & large basal wounding

Mature ash tree showing hollowing & fungal fruiting bodies

Smaller understorey & scrub vegetation between canopy trees

apartments amenity space

apartments plots 49-60

apartments plots 1-12

cycle store

refuse store

bus stop

SWANMORE ROAD

Teglease Green

STACEY COURT

CRABWOOD COURT

PENNERLY COURT

Plumley Walk

Sunnyside Walk

ELDERFIELD ROAD

DO NOT SCALE FROM THIS DRAWING

Notes

GENERAL

- This drawing is to be read in conjunction with all relevant Engineers and Architects drawings and with the Specification.
- For setting out refer to Architects drawings.
- All dimensions are in millimetres and levels are in metres unless noted otherwise.
- Contractor to take all relevant dimensions on site. Any discrepancies to be advised to the Engineer.
- Contractor to check/scan for services prior to construction to avoid any damage during works.
- This drawing is based on PDP Architects plan dated May 2022

DRAINAGE

- Any information given on this drawing regarding existing services is believed to be correct. The contractor must check this information and determine the nature and location of other existing services from the various statutory authorities before commencing excavation works.
- Drainage works to be constructed in accordance with BS EN 752 and Approved Document H
- All soft spots and unacceptable material encountered in drainage excavations is to be removed and replaced with granular material to the requirements of the building control officer.
- Pipes to be installed to manufacturers recommendations.
- Pipes under buildings to be laid to a fall of 1:60 minimum unless noted otherwise. Internal level of pipes to be 4.20m (50mm below blinding + 90° bend). Refer to structural detail drawings for detailed slab construction make-up layers and levels.
- Plastic plain wall pipes to be PVC-U to BS EN 1401-1, class SN4, with flexible joints, Kitemark certified. Structured wall plastic pipes to be to WIS 04-35-01, Kitemark certified
- Clay pipes to be vitrified clay to BS EN 295-1, with flexible joints, Kitemark certified. Clayware pipes must be extra strength classification protected in accordance with the specified details.
- Concrete pipes to be precast concrete to BS 5911-1 and BS EN 1916, with flexible joints.
- Bedding of pipes to be in accordance with approved document H1.
- Rocker pipes with flexible joints are to be provided at a distance of 150mm and 750mm from the face of construction to manholes, where pipes pass above, below or through ground beams or foundations; at gully connections and soil stack ends.
- Manhole access covers are to be located at the outgoing side of manholes.
- Cover levels are to be fixed on site to suit finished levels. Covers and frames to BS EN124, Grade D to be used in areas subject to heavy vehicular loading, Grade C in areas subject to light vehicular loading and Grade B to be used elsewhere.
- All pipes to be 100Ø unless noted otherwise.
- Manhole positions are indicative only to be confirmed by Architect.
- Access points to be located at base of all rwps and svps.
- All gullies to be trapped
- Positions of SVP's and RWP's are indicative only and should be read in conjunction with Architects drawings.

PRELIMINARY - NOT FOR CONSTRUCTION

Rev.	Amendment	Drn.	Chkd.	Appd.	Date
P05	Preliminary Issue	TK	TK	IL	10.10.22
P04	Preliminary Issue	TK	TK	IL	29.06.22
P03	Preliminary Issue	RD	TK	IL	14.06.22
P02	Preliminary Issue	RD	TK	IL	06.06.22
P01	Preliminary Issue	RD	TK	IL	26.05.22

Project
Cabbagefield Row
Leigh Park

Drawing
Drainage Strategy
Sheet 2 o f 2

Client
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Scale at A1 - 1:500

303795-SWH-XX-XX-DR-C-0501-P05

Project | Originator | Zone | Level | Type | Role | Number | Rev.