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

NORTH

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

FWMH02
CL 38.500
IL 37.150

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

SWMHSAT2
CL 40.000
IL 38.000

SWMH02
CL 39.000
IL 37.425

FWMH06
CL 39.500
IL 36.252

SWMH02
CL 40.000
IL 37.765

FWMH05
CL 39.000
IL 37.290

FWMH07
CL 39.750
IL 35.754

SWSAT1
CL 37.000
IL 34.925

SWMHSAT3
CL 39.500
IL 36.925

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

Storm Attenuation Crates
17m x 4.0m = 68m2
68 x 0.8m deep
(95% vr) = 51.7m3

SWMH04
CL 39.350
IL 34.286

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

SWSAT2
CL 37.000
IL 34.925

SWMH03
CL 39.425
IL 34.518

FWMH09
CL 39.375
IL 35.490

SWMH01
CL 38.000
IL 34.749

FWMH08
CL 38.000
IL 37.185

SWMH05
CL 38.850
IL 33.121

FWMH10
CL 38.500
IL 35.105

Storm Attenuation Crates
16m x 9m = 144m2
144 x 0.8m deep
(95% vr) = 109.4m3

Storm Attenuation Crates
59m x 5m = 295m2
295 x 0.8m deep
(95% vr) = 224.4m3

SWMHSAT4
CL 36.250
IL 30.250

FWMH12
CL 36.250
IL 34.099

FWMH11
CL 37.000
IL 34.569

FWMH13
CL 35.500
IL 33.624

SWMH06
CL 37.000
IL 31.347

SWMH08
CL 34.000
IL 28.310

SWMH07
Hydrobrake - Unit Ref
MD-SHE-0198-2270-1800-1500
Design Head 1.8m
Design Flow (l/s) 15
CL 35.560
IL 30.000

SWMH09
CL 33.000
IL 27.315

STORM
OUTFALL
CL 24.000
IL 24.500

SWMH10
CL 30.000
IL 25.135

FWMH14
CL 34.000
IL 32.724

FW 5301
CL 34.020
IL 32.340

FWMH15
CL 34.000
IL 32.008

FW 5201
CL 31.960
IL 30.550

landscape buffer
ancient woodland landscape buffer
apartments plots 49-60
apartments plots37-48
apartments plots 1-12
existing trees removed
bus stop
SWANMORE ROAD
STACEY COURT
CRABWOOD COURT
Sunnyside Walk
ELDERFIELD ROAD
Plumley Walk
Teglease Green
PENNERLY COUR

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
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-P04

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