Surface Water Discharge

Surface Water to discharge via gravity to the existing Surface Water system within the site. The increased impermeable area will be approximately 420m². The surface water flow is to be restricted via flowcontrol at 3.5l/s. This will require approximately 9.6m³ of attenuation.

Foul Water Discharge

Foul water will be discharged to the existing combined system via gravity.

Do Not Scale

Drawing Notes

Drawing & schedule based on the following information:

Architect's drawing/model:	SL_P23045_DWG_C_PR01_Rev_P03
Received:	20.09.24
Topographic Survey:	12660_003
Received:	15.08.24
Drainage Survey:	12660_003
Received:	15.08.24

Residual Hazards

Existing services to be reviewed. Any services clashing with proposed extensions to be diverted accordingly.

Health, Safety & Environmental Notes

General Notes

1. All Coordinates relate to Topographical survey coordination
2. All Dimension in mm unless notified otherwise
3. All Levels in mAOD in relation to Topographical survey coordination unless notified otherwise
4. Where drains are to be abandoned they are to be excavated and removed unless they lie below an existing building where they should be grouted up
5. Proposed drainage subject to further design following confirmation of all SS, SVP and Rwp locations.

Key:

- Proposed Foul Water Drain
- Proposed Surface Water Drain
- Existing SW Sewer
- Existing FW Sewer
- Abandoned Drainage
- Channel Drain
- Proposed extension
- Site Boundary
- Proposed Yard Gully

EX02 (TBCØ)
CL - 48.49
IL - 46.39

New manhole constructed to intercept existing Foul water pipe

FW12 (450Ø)
CL - 48.85
IL - 46.65

Invert Level To be confirmed on site prior to any works commencing.

8.17m / 100Ø
VC / 1:12

EX01 (TBCØ)
CL - 48.70
IL - 47.09

FW11 (450Ø)
CL - 48.80
IL - 47.33

12.45m / 100Ø
VC / 1:50

Gully to be rotated to fit proposed kerb line

Proposed Pipe to connect onto existing via saddle connection

17.37m / 100Ø
VC / TBC

Existing pipe to be surveyed to determine Invert level at connection point

Existing stump to be reused for new 1000 connection

Existing gullies to be removed and replaced with ACO Channel drain

Parking Levels to be amended to allow fall to ACO channel

4.07m / 100Ø
VC / 1:12

New manhole constructed to intercept existing surface water pipe

SW08 (1350Ø)
CL - 48.80
IL - 47.28

Invert Level Interpolated using existing information.
To be confirmed on site prior to any works commencing.

3.87m / 1000Ø
VC / 1:52

SW06 (1500Ø)
CL - 48.78
IL - 47.35
IL - 47.40

Flow to be restricted to 3.5l/s via Hydrobrake flow control

2.29m / 1000Ø
VC / 1:36

Tank sized for 100yr +40cc storm
0.4m deep - Geocellular crates
Top of Tank: 47.85m
Bottom of Tank: 47.45m
Total Storage: 9.6m³
Effective Storage: 9.12m³

14.61m / 150Ø
VC / 1:24

FW10 (450Ø)
CL - 48.82
IL - 47.74

9.57m / 100Ø
VC / 1:80

Tank Vent Chamber

1.79m / 100Ø
VC / 1:17

SW05 (450Ø)
CL - 48.80
IL - 47.60

Invert Level Interpolated using existing information.
To be confirmed on site prior to any works commencing.

5.66m / 100Ø
VC / 1:23

FW09 (450Ø)
CL - 48.85
IL - 47.85

FW08 (450Ø)
CL - 48.85
IL - 47.90

7.19m / 100Ø
VC / 1:80

SW07 (450Ø)
CL - 48.85
IL - 47.84

New PPIC constructed to intercept existing surface water pipe

FW07 (450Ø)
CL - 48.85
IL - 47.94

2.78m / 100Ø
VC / 1:80

FW06 (450Ø)
CL - 48.87
IL - 47.98

16.73m / 100Ø
VC / 1:80

5.71m / 100Ø
VC / 1:80

20.70m / 100Ø
VC / 1:30

Existing Drainage to be investigated prior to any works commencing on site

Gully to pick up proposed hard standing area.

9.62m / 100Ø
VC / 1:80

FW05 (450Ø)
CL - 49.18
IL - 48.05

Internal Manhole

SW03 (450Ø)
CL - 49.15
IL - 48.45

FW03 (450Ø)
CL - 49.17
IL - 48.17

FW02 (450Ø)
CL - 49.40
IL - 48.40

8.62m / 100Ø
VC / 1:54

FW04 (450Ø)
CL - 49.05
IL - 48.22

4.72m / 100Ø
VC / 1:21

SW04 (450Ø)
CL - 49.45
IL - 48.30

Gully to pick up proposed hard standing area.

6.12m / 100Ø
VC / 1:16

Further investigation into existing manhole required

FW01 (450Ø)
CL - 49.29
IL - 48.79

SW01 (450Ø)
CL - 49.96
IL - 48.96

18.91m / 100Ø
VC / 1:31

6.72m / 100Ø
VC / 1:60

SW02 (450Ø)
CL - 49.91
IL - 48.85

Date	Description	By	Chk	Rev
03.10.24	Initial Issue	WD	AT	P1

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Project
AFG Mill Brook, Wythenshawe

Title
Drainage Layout

Client
JLL

Scale @ A0	Initial author	Initial checker	Approver	Initial Date
1:100	WD	AT	RP	Sep '24

Status	Purpose	Adept Project Number
S2	Preliminary	00.24224

Project-Originator-Functional Breakdown-Spatial Breakdown-Form-Discipline-Number: 00.24224-ACE-00-ZZ-D-C-1000 Rev. P1