

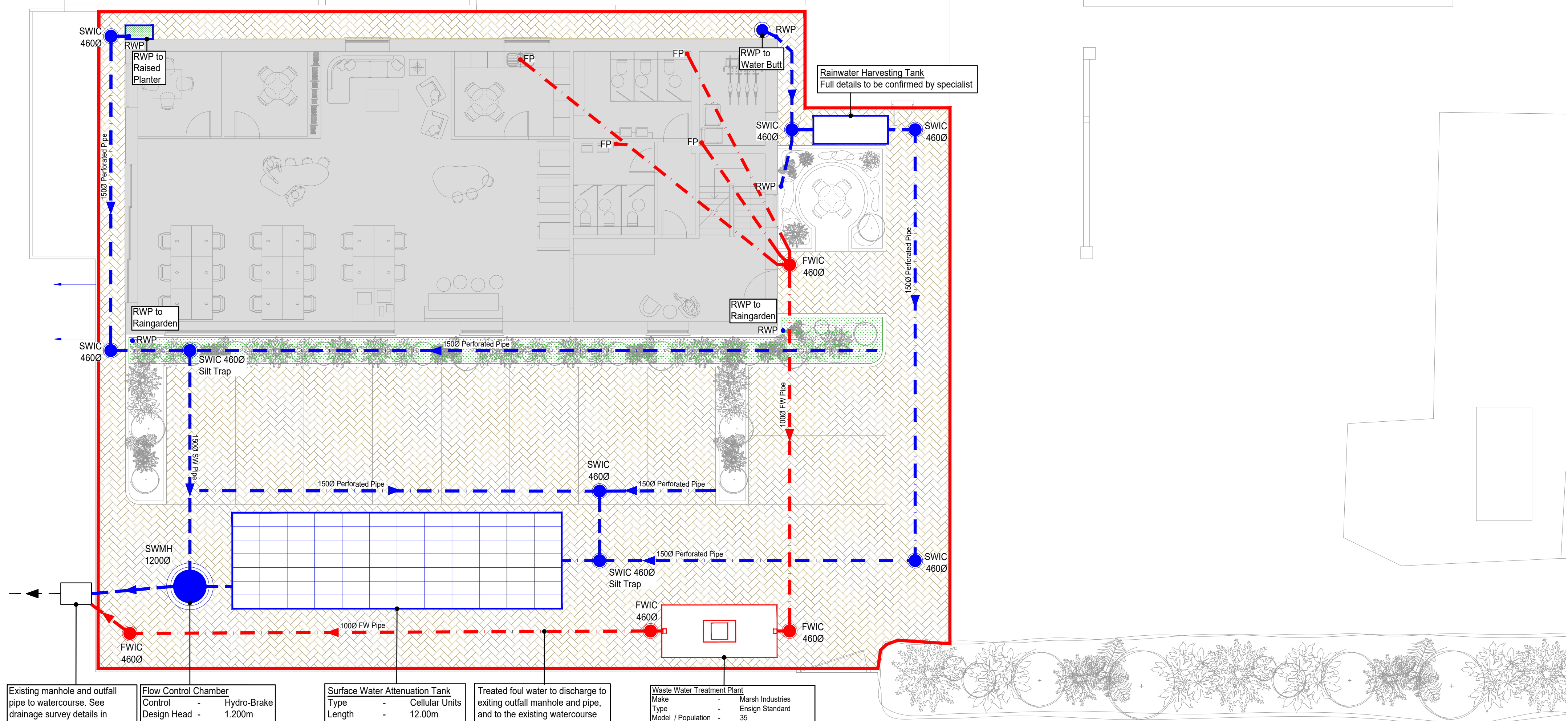
Surface Water Outfall Note

As the ground is not suitable for infiltration, the only alternative will be to discharge the surface water (at a restricted rate) to the unnamed watercourse approximately 350m to the west of the Site.

A pipe system from the Site to the unnamed watercourse may not be possible due to land ownership.

However, surface water to discharge the surface water to a granular trench system along the site boundary, at a rate less than or equivalent to the natural / greenfield rate of the site, which will disperse the surface water across the field to the unnamed watercourse.

Discharging the surface water run-off across the agricultural field to the unnamed watercourse will replicate the pre-development / existing surface water flows, and therefore will not adversely affect flood risk or increase flows elsewhere.



Existing manhole and outfall pipe to watercourse. See drainage survey details in Appendix E of SW Management

Flow Control Chamber

Control - Hydro-Brake
Design Head - 1.200m
Design Flow - 1.2 l/s
Diameter - 49mm
Unit Reference: MD-SHE-0049-1200-1200-1200

Peak SW Discharge Rates:

Q2 - 0.9 l/s
Q30 + CC - 1.0 l/s
Q100 + CC - 1.1 l/s

Surface Water Attenuation Tank

Type - Cellular Units
Length - 12.00m
Width - 3.50m
Area - 42.00m²
Depth - 0.80m
Porosity - 0.95
Volume - 31.92m³

Treated foul water to discharge to exiting outfall manhole and pipe, and to the existing watercourse

Waste Water Treatment Plant

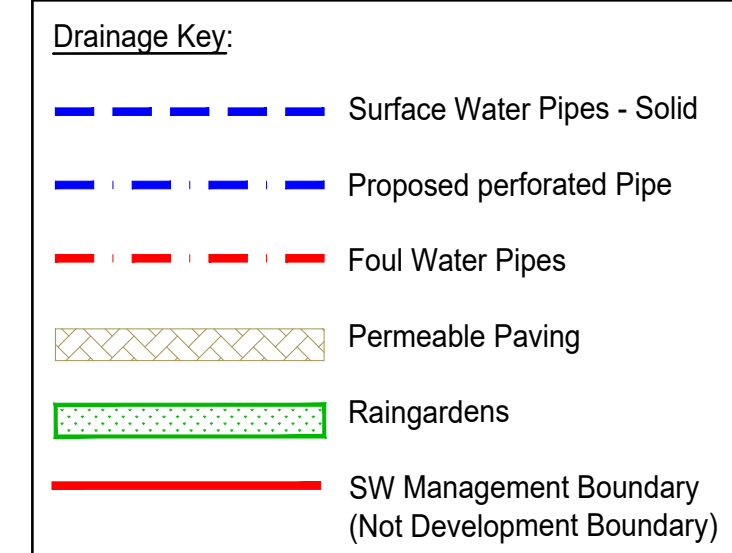
Make - Marsh Industries
Type - Ensign Standard
Model / Population - SS
Unit Length - 4.200m
Unit Width - 1.912m
Unit Height - 2.264m

Treatment plant to be within development boundary.

Treatment plant specification based on foul water discharge from office building with number of seats / desks being 32.

Calculated daily discharge from 32 seats / desks based on Flow and Loads - 4, where volume = 50 litres / person / day, therefore daily volume = 1,600 litres / 1,600m³.

Treatment of foul to BS EN 12566 Part 3, with performance certified to achieve 10 mg/l BOD, 15 mg/l SS and 3.8 mg/l ammonia.



Note

All proposed drainage networks and SuDS features are to be built within the development boundary.

P4	Issued for Approval	MDS	NC	16.02.26
P3	Issued for Approval	MDS	NC	15.12.25
P2	Issued for Approval	MDS	NC	10.03.25
P1	Issued for Approval	MDS	NC	20.10.23
Rev	Description	Dm	Chk	Date

Client
MOYLE AND MOYLE INVESTMENTS LTD

Project
**NEW OFFICE BUILDING
STANBRIDGE INDUSTRIAL ESTATE
STAPLEFIELD LANE, STAPLEFIELD**

Drawing
**OUTLINE DRAINAGE LAYOUT
AND SuDS DETAILS**

Scale
1:100@A1

Date
20.10.23

Drawn by
MDS

Checked
NC

Status
APPROVAL

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