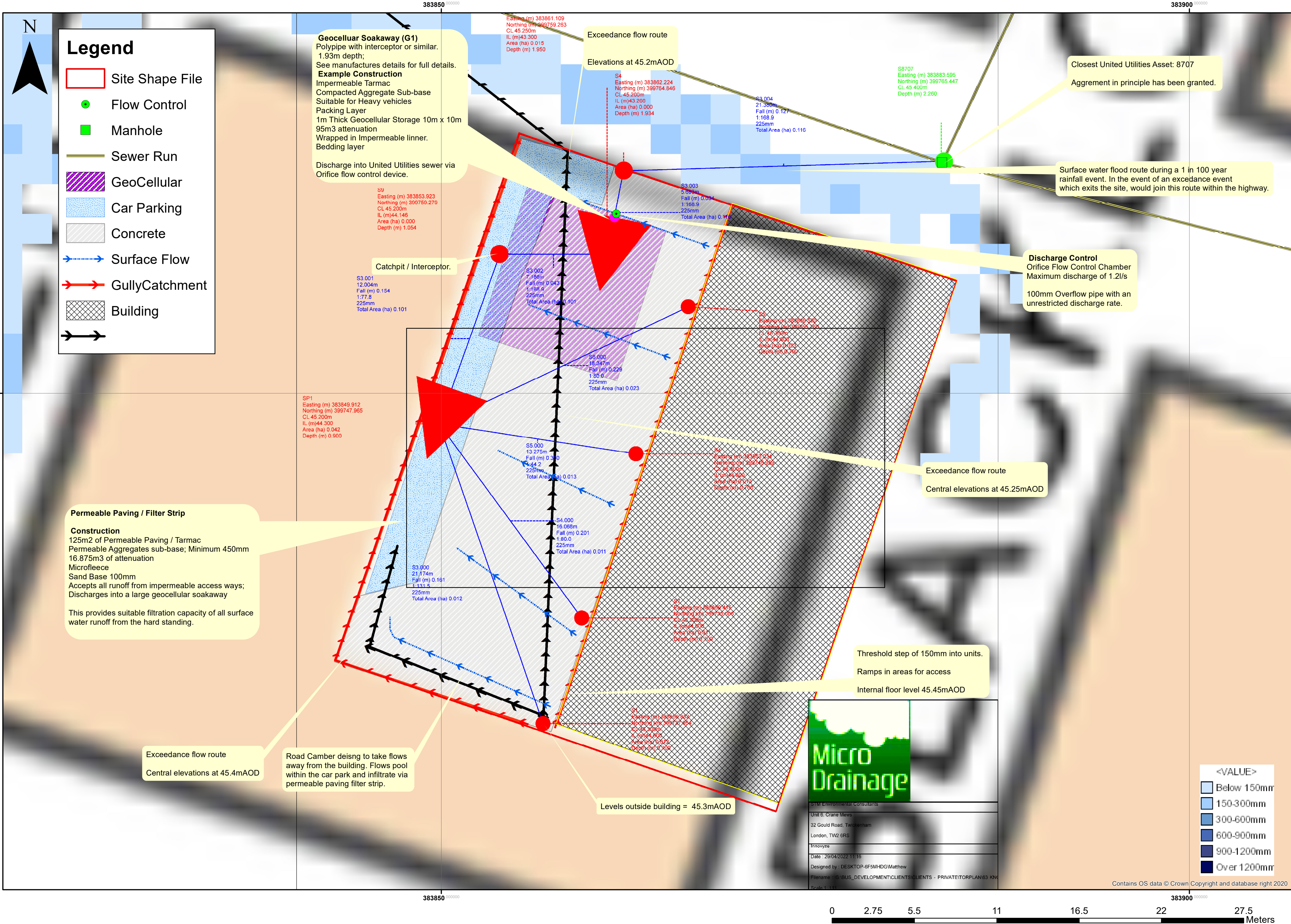




Legend

- Site Shape File
- Flow Control
- Manhole
- Sewer Run
- GeoCellular
- Car Parking
- Concrete
- Surface Flow
- GullyCatchment
- Building

Geocellular Soakaway (G1)
Polypipe with interceptor or similar.
1.93m depth;
See manufactures details for full details.
Example Construction
Impermeable Tarmac
Compacted Aggregate Sub-base
Suitable for Heavy vehicles
Packing Layer
1m Thick Geocellular Storage 10m x 10m
95m3 attenuation
Wrapped in Impermeable liner.
Bedding layer

Discharge into United Utilities sewer via
Orifice flow control device.

S9
Easting (m) 383853.923
Northing (m) 399759.270
CL 45.200m
IL (m) 44.146
Area (ha) 0.000
Depth (m) 1.054

Catchpit / Interceptor.

S3.001
12.004m
Fall (m) 0.154
1.77.8
225mm
Total Area (ha) 0.101

S3.002
7.960m
Fall (m) 0.043
1.168.9
225mm
Total Area (ha) 0.101

S6.000
18.347m
Fall (m) 0.228
1.30.0
225mm
Total Area (ha) 0.023

S5.000
13.275m
Fall (m) 0.310
1.44.2
225mm
Total Area (ha) 0.013

S4.000
16.088m
Fall (m) 0.201
1.80.0
225mm
Total Area (ha) 0.011

S3.000
21.174m
Fall (m) 0.181
1.131.5
225mm
Total Area (ha) 0.012

S1
Easting (m) 383859.915
Northing (m) 399749.965
CL 45.200m
IL (m) 44.300
Area (ha) 0.042
Depth (m) 0.900

S1
Easting (m) 383859.915
Northing (m) 399749.965
CL 45.200m
IL (m) 44.300
Area (ha) 0.042
Depth (m) 0.900

Levels outside building = 45.3m AOD

Exceedance flow route

Elevations at 45.2m AOD

S4
Easting (m) 383862.224
Northing (m) 399764.846
CL 45.200m
IL (m) 43.200
Area (ha) 0.000
Depth (m) 1.934

S3.004
21.388m
Fall (m) 0.127
1.168.9
225mm
Total Area (ha) 0.116

S8707
Easting (m) 383883.595
Northing (m) 399765.447
CL 45.400m
Depth (m) 2.260

Closest United Utilities Asset: 8707

Aggrement in principle has been granted.

Surface water flood route during a 1 in 100 year
rainfall event. In the event of an exceedance event
which exits the site, would join this route within the highway.

Discharge Control
Orifice Flow Control Chamber
Maximum discharge of 1.2l/s

100mm Overflow pipe with an
unrestricted discharge rate.

Exceedance flow route

Central elevations at 45.25m AOD

Permeable Paving / Filter Strip

Construction

125m2 of Permeable Paving / Tarmac
Permeable Aggregates sub-base; Minimum 450mm
16.875m3 of attenuation
Microfleece
Sand Base 100mm
Accepts all runoff from impermeable access ways;
Discharges into a large geocellular soakaway

This provides suitable filtration capacity of all surface
water runoff from the hard standing.

Threshold step of 150mm into units.

Ramps in areas for access

Internal floor level 45.45m AOD

Micro
Drainage

SRM Environmental Consultants
Unit 6, Crane Mews
32 Gould Road, Twickenham
London, TW2 6RS
Innovyze
Date : 29/04/2022 11:16
Designed by : DESKTOP-6F5MHDG\Matthew
Filename : G:\BUS_DEVELOPMENT\CLIENTS\CLIENTS - PRIVATE\TORPLAN63_KN
Scale : 1:111

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