A0

MATCH LINE

MATCH LINE

N

SWMH 29
Tank Outlet & Hydrobrake Manhole
CL:67.10m
IL: 64.37m
Sump Invert Level: 63.63m

Tideflex NRV
IL: 64.300

Headwall and bed protection

SWMH 30
CL:67.00m
IL: 64.34m
Sump Invert Level: 63.84m

Rainwater Harvesting 9m³ GRP Tank

SWMH 63
CL: 67.421m
IL: 65.270m

RWMH 50
CL: 67.357m
IL: 65.910m

300mmØ

RWMH 49
CL: 67.577m
IL: 65.560m

RWMH 48
CL: 67.197m
IL: 65.765m

Proposed CAB
FFL +67.800 OD

RWMH 44
CL: 67.650m
IL: 66.500m

RWMH 47
CL: 67.519m
IL: 65.940m

Harvested Rainwater intake for CAB

Existing Pond/ Wetland

300mmØ

RWMH 45
CL: 68.205m
IL: 66.290m

300mmØ

RWMH 46
CL: 67.791m
IL: 66.140m

SWMH
CL: 68.220m
IL: 65.35m

Rainwater Harvesting Tank 2700m³ for Process Water Storage.
- 1,200m³ for DUB14 & 15
- 1,500m³ part replacement for DUB 9 & 10

SWMH 65
CL 67.218m
IL: 66.750m

SWMH 64
CL: 67.183m
IL: 66.550m

RWMH 15
CL: 67.438m
IL: 65.126m

Concrete Attenuation Tank No.1
Volume: 4,400m³
IL 64.400m

RWMH 32
CL: 67.113m
IL: 65.275m

SWMH 25
CL: 67.076m
IL: 64.400m

Proposed Class 1 Full Retention Fuel Saperator Klargester NSFA270 with Carbon Monitors and Lockdown Valves linked to facility BMS

SWMH 27
CL: 66.886m
IL: 64.600m

RWMH 33
CL: 67.052m
IL: 65.000m

RWMH 23
CL: 67.230m
IL: 64.885m

600mmØ

450mmØ

SWMH 28
CL: 67.151m
IL: 65.160m

RWMH 34
CL: 67.196m
IL: 64.970m

RWMH 20
CL:67.591m
IL: 65.320m

RWMH 26
CL:67.591m
IL: 65.160m

700mmØ

450mmØ

RWMH 25
CL:67.745m
IL: 65.220m

450mmØ

RWMH 19
CL:67.091m
IL: 65.320m

450mmØ

DUB 15 Admin RW Supply Rising Main

RWMH 38
CL: 67.835m
IL: 65.440m

450mmØ

RWMH 37
CL: 67.835m
IL: 65.710m

450mmØ

RWMH 36
CL: 67.835m
IL: 66.080m

600mmØ

RWMH 35
CL: 67.908m
IL: 66.350m

X:332264.633
Y: 31207.880

Proposed DUB 15
FFL +68.000 OD

Existing DUB 12
470m³ RW Harvesting Tank

DUB 12 and DUB 13 RW Tanks combined, and revised to Stormbrixx to provide reduced footprint and storage at a lower invert.
Volume = 1,400m³

RWMH 40
CL: 67.832m
IL: 65.530m

450mmØ

RWMH 41
CL: 67.831m
IL: 65.620m

450mmØ

RWMH 42
CL: 67.832m
IL: 65.820m

450mmØ

RWMH 43
CL: 67.831m
IL: 66.240m

RWMH 39
CL: 67.850m
IL: 65.310m

450mmØ

SWMH 40
CL: 67.817m
IL: 66.220m

300mmØ

SWMH 42
CL: 67.817
IL: 66.00m

300mmØ

SWMH 44
CL: 67.816m
IL: 66.220m

300mmØ

SWMH 47
CL: 67.792
IL: 66.220m

MV Room

Tank

Tank

525mmØ

SWMH 39
CL: 68.573m
IL: 65.480m

SWMH 41
CL: 68.096m
IL: 65.588m

525mmØ

SWMH 43
CL: 68.094m
IL: 65.670m

525mmØ

SWMH 45
CL: 67.908m
IL: 65.810m

525mmØ

SWMH 46
CL: 68.002m
IL: 66.140m

525mmØ

Proposed DUB 14
FFL +67.800 OD

Existing Ditch to be removed

RWMH 13
CL: 67.644m
IL: 65.410m

RWMH 12
CL: 67.631m
IL: 65.800m

RWMH 11
CL: 67.631m
IL: 66.200m

RWMH 10
CL: 67.631m
IL: 66.500m

RWMH 08
CL: 67.687m
IL: 65.183m

SWMH 19
CL: 67.618m
IL: 66.700m

SWMH 20
CL: 67.618m
IL: 66.000m

SWMH 18
CL: 67.618m
IL: 66.700m

SWMH 14
CL: 67.611m
IL: 65.700m

RWMH 28
CL: 68.427m
IL: 65.900m

RWMH 09
CL: 67.258m
IL: 65.140m

RWMH 14
CL: 67.444m
IL: 65.250m

RWMH 31
CL: 67.360m
IL: 65.423m

RWMH 30
CL: 67.360m
IL: 65.648m

MV Room

RWMH 29
CL: 67.818m
IL: 65.830m

SWMH 23
CL: 67.081m
IL: 64.641m

SWMH 22
CL: 67.290m
IL: 64.800m

450mmØ

SWMH 37
CL: 67.134m
IL: 65.075m

SWMH 21
CL: 67.290m
IL: 65.010m

SWMH 17
CL: 67.290m
IL: 65.160m

SWMH 16
CL: 67.290m
IL: 65.320m

SWMH 15
CL: 67.578m
IL: 65.400m

SWMH 60
CL: 69.800m
IL: 65.610m

SWMH 62
CL: 69.842m
IL: 65.660m

Proposed Class 1 Full Retention Fuel Saperator Klargester NSFA270 with Carbon Monitors and Lockdown Valves linked to facility BMS

MV Room

SWMH 59
CL: 68.050m
IL: 66.350m

SWMH 61
CL: 68.050m
IL: 66.800m

SWMH 58
CL: 68.050m
IL: 67.500m

SWMH 38
CL: 67.814m
IL: 65.485m

300mmØ

SWMH 36
CL: 67.814m
IL: 65.16m

300mmØ

SWMH 35
CL: 67.814m
IL: 65.520m

300mmØ

SWMH 34
CL: 67.814m
IL: 65.72m

300mmØ

SWMH 33
CL: 67.598m
IL: 65.92m

300mmØ

SWMH 57
CL: 68.050m
IL: 65.960m

Existing flow control devices to be inspected and relocated to outlet chambers

Sump provided for possible future RWH pumps

SWMH 55
CL: 68.050m
IL: 65.750m

SWMH 56
CL: 68.050m
IL: 65.750m

Existing DUB 12
685m³ SW Attenuation Tank

DUB 12 and DUB 13 SW Attenuation Tanks combined and revised to Stormbrixx to provide reduced footprint and storage at a lower invert.
Volume = 1,350m³

SWMH 80
CL: 67.818m
IL: 66.400m

SWMH 49
CL: 67.818m
IL: 66.550m

300mmØ

Existing DUB 13
908m³ RW Harvesting Tank

Proposed Gas Generator Compound

SWMH 48
CL: 68.054m
IL: 66.190m

300mmØ

SWMH 53
CL: 68.744m
IL: 66.361m

SWMH 52
CL: 69.100m
IL: 66.476m

SWMH 51
CL: 68.906m
IL: 65.800m

SWMH 50
CL: 68.900m
IL: 65.980m

Proposed GNI Gas Skid

Notes:
1. Do not scale from this drawing.
2. All dimensions are in millimeters unless otherwise stated.
3. For Drainage Details, refer to the Detail drawing DUB14-15-C-P01.

Legend:

- Proposed Surface Water Drain & Manhole
- Proposed Diversion Rain Water Drain & Manhole
- Proposed Rainwater Drain & Manhole
- Proposed Rising Main
- Existing Attenuation Tank
- Proposed Attenuation Tank
- Proposed Rainwater Harvesting Tank
- Proposed Retention Fuel Separator
- Proposed Non-return Valve
- Proposed Culvert
- Proposed Planning Boundary
- Proposed Wayleave

0 5 10 15 20 25 m
SCALE 1:500

Do not scale

Approvals:

Customer	Microsoft	Date | 25/06/21
Microsoft Mechanical Engineer	Andy Lillyer	
Microsoft Telecom Engineer	Cathal O'Sullivan	
Microsoft Electrical Engineer	Alan Kellett	
Engineering Manager	Declan Comerford	
Security Manager	Daniel Jones	
CSA	Laoise Maher / Sharendra Naidu Jeff Schumacher	

General Notes:

1. This information presented on this drawing relates the design stage as indicated in the revision description.
2. The drawing should be read in conjunction with all relevant and available contract documentation.
3. Some drawings may need to be printed in colour to preserve information indicated in colour on the drawings.
4. All dimensions are in millimeters (mm) unless noted elsewhere. All levels are in metres (m) unless noted elsewhere.
5. Do note scale; work to figured dimensions only.
6. The topographical information provided is based on topographical survey undertaken as part of the planning submission.

Issue	Date	Revision Description
P01	25/06/21	Issued for Planning

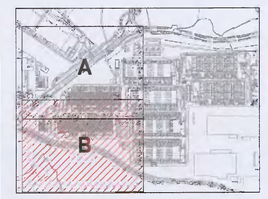
ARUP

13 Fitzroy Street
London W1T 4BQ
Tel: +44(0)20 7636 1531 Fax: +44(0)20 7580 3924
www.arup.com

Client: Microsoft

Project Title:
DUB14/15 -
Proposed Modifications to Previously Approved Scheme SD20A/0283

Key Plan



Drawing Title:
Proposed Surface Water Drainage
Sheet B

Scale at A0: 1:500	By / Chkd / Appd: DK/AM/JMacC
Role: Civil	
Status: S2 - Suitable for Information - Planning	
Arup Job No: 279225-00	Rev: P01
ID: DUB14-15_C-D-04	

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