A0

MATCH LINE

MATCH LINE

N

Proposed DUB 14 FFL +67.800 OD

Existing Ditch to be Removed

RWH MH DUB 9/10 IL: 65.90m

Headwall and bed protection

Tideflex NRV IL: 64.300

300mmØ

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

RWMH 32 CL: 67.113m IL: 65.275m

RWMH 31 CL: 67.360m IL: 65.423m

RWMH 30 CL: 67.360m IL: 65.648m

MV Room

Existing Headwall to Ditch to be demolished and existing 450mmØ outfall drain to be rerouted as shown

RWMH 29 CL: 67.816m IL: 65.830m

EX MH S1 CL 67.050m IL 65.575m

EX MH S4 CL 68.650m IL 65.930m

300mmØ

Divert Into DUB 14 RW Harvesting

Existing RW Drain to be diverted from RW Harvesting Tank as shown

SWMH 62 CL: 69.642m IL: 65.650m

EX MH S14 CL 68.650m IL 66.090m

EX MH S153 CL 68.650m IL 65.988m

SWMH 81 CL: 68.050m IL: 66.800m

SWMH 25 CL: 67.076m IL: 64.400m

600mmØ

450mmØ

SWMH 23 CL: 67.081m IL: 64.641m

SWMH 22 CL: 67.290m IL: 64.800m

SWMH 21 CL: 67.290m IL: 65.010m

SWMH 17 CL: 67.290m IL: 65.160m

SWMH 18 CL: 67.290m IL: 65.320m

SWMH 15 CL: 67.578m IL: 65.400m

SWMH 60 CL: 69.800m IL: 65.610m

SWMH 59 CL: 68.050m IL: 66.350m

SWMH 57 CL: 68.050m IL: 65.960m

SWMH 58 CL: 68.050m IL: 67.500m

SWMH 55 CL: 68.050m IL: 65.750m

SWMH 56 CL: 68.050m IL: 65.700m

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

Sump provided for possible future RWH pumps

Existing DUB 12 470m³ RW Harvesting Tank

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

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

RWMH 33 CL: 67.052m IL: 65.000m

RWMH 34 CL: 67.196m IL: 64.970m

E: 703037.756 N: 731207.890

E: 703258.833 N: 731207.890

Existing Pond/ Wetland

Proposed CAB FFL +67.800 OD

Proposed DUB 15 FFL +68.000 OD

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

Energy Centre

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

Existing DUB 13 908m³ RW Harvesting Tank

Existing DUB 13 840m³ SW Attenuation Tank

Control Kiosk for Valve Chambers

Firewater Tank

Firewater Tank

Sprinkler Pump House

CL 70.000m IL 67.360m

Oil Seperator CL 69.400m IN IL 67.175m OUT IL 67.125m

SWMH 51 CL: 68.906m IL: 65.800m

225mmØ

450mmØ

SWMH 50 CL: 68.900m IL: 65.980m

S1.10 CL 69.245m IL 66.600m

Existing Petrol Interceptor

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:

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

Attenuation Legend:

- Denotes Existing Rainwater Tank being Retained
- Denotes Existing Attenuation Tank being Retained
- Denotes Area of Existing Attenuation Tank to be Decommissioned and Relocated
- Denotes Relocated Attenuation Tank
- Denotes Proposed Attenuation Tank
- Denotes Proposed Rainwater Tank
- Denotes Area of Existing Rainwater Tank to be Decommissioned and Relocated

0 5 10 15 20 25m
SCALE 1:500

Do not scale

Approvals:

Customer	Microsoft	Date | 25/06/21
Microsoft Mechanical Engineer	Andy Lavin	
Microsoft Telecom Engineer	Cathie O'Sullivan	
Microsoft Electrical Engineer	Alan Kellett	
Engineering Manager	Declan Comerford	
Security Manager	Daniel Jones	
CSA	Leslie 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

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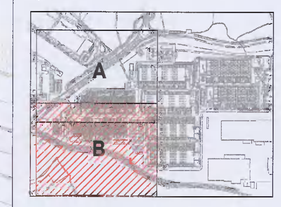
Client: Microsoft

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

Key Plan



Drawing Title: Storm & Rainwater Updates to Existing Campus 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-G-03		

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