A0

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NOTE: CURRENTLY NO DRAINAGE WORKS PROPOSED IN THIS AREA

Proposed Surface Water Attenuation Feature No.2
Storm Tech (or similar approved) by contractor design in line with proposed Attenuation Feature No.1. Design and details to be submitted for Arup approval.
Minimum Volume = 561m³

Existing Surface Water Drain

Existing Stream

Existing DUB 9 & 10 Rainwater Harvesting Tank

Proposed Culvert

Existing DUB 09 FFL +68.250 OD

Existing DUB 07 FFL +69.250 OD

Existing DUB 08 FFL +70.250 OD

Existing DUB 10 FFL +69.250 OD

Existing DUB 12 FFL +70.250 OD

Existing DUB 13 FFL +71.750 OD

Existing SW & RW Harvesting Storage to be removed up Point A-A and backfilled with engineering material as required by the earthworks specification.
NB Contractor to note that the Inlet Manifold is to be retained. All incoming pipework from the south shall be cut back and sealed in order to ensure the manifold is operational.

For Details of Existing Attenuation Storage Details Refer to Henley Pepper Drawing "Surface Water Northern Attenuation Tank C-D-13

Existing Stream

Proposed Cooling Water Drain

Proposed DUB 14 FFL +67.800 OD

Proposed Surface Water Attenuation Tank No.1 Refer to Structural Drawing No. DUB14-15_S-D-004 for details.

Proposed Headwall & bad protection

Proposed Connection to Public Foul Sewer

Proposed CAB FFL +67.800 OD

Existing Pond/Wetland

Divert into DUB 14 RW Harvesting Drain Starting IL: 65.90m
Contributing Area: 13,000m² of DUB 10 Roof of Unattenuated Flow

Existing Surface Water Drain

Existing DUB12 Surface Water Attenuation Tank

Existing Surface Water Drain

Existing DUB13 Surface Water Attenuation Tank

Proposed Surface Water Drain

Proposed DUB 15 FFL +68.000 OD

Existing DUB12 Rainwater Harvesting Tank

Proposed Rainwater Harvesting Tank Refer to Structural Drawing No. DUB14-15_S-D-005 for details.

Existing DUB13 Rainwater Harvesting Tank

Proposed Surface Water Drain

Proposed Surface Water Drain

0 5 10 20 50 Metres
Scale 1:1000

Do not scale

Approvals:

Customer	Microsoft	Date | 10/09/21
Microsoft Mechanical Engineer	Andrew Layer	
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.

Notes:

1. Refer to General Notes drawing DUB14-15_C-C-002 for all notes on this utility.
2. All dimensions are in millimetres unless otherwise stated.
3. For Drainage Details, please refer to the Detail drawings DUB14-15_C-F-X01 to DUB14-15_C-F-X04 .

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 ACO Drain
- Existing Foul Sewer
- Proposed Foul Water Drain & Manhole
- Proposed Cooling Water Drain & Manhole
- Proposed Foul Water Drain Backdrop
- Proposed Cooling Water Rising Main
- Proposed Kerb Drain & Sump Unit
- Proposed Rain Water Down Pipe
- Proposed Culvert

Issue	Date	Revision Description
P05	24/01/21	Issue for Planning Compliance

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Client: Microsoft

Project Title: DUB14/15

Key Plan

Drawing Title: Proposed Drainage Layout Overall

Scale at A0: 1:1000	By / Chkd / Appd: DK/AM/JMacC
Role: Civil	
Status: S2 - Suitable for Information - Planning	
Arup Job No: 279225-00	Rev: P05
ID: DUB14-15_C-D-X02	