

**Approvals:**

Customer	Microsoft	Date	1/10/2021
Microsoft Mechanical Engineer	Andrew Layer		
Microsoft Telecom Engineer	Cathal O'Sullivan		
Microsoft Electrical Engineer	Alan Kekali		
Engineering Manager	Declan Comerford		
Security Manager	Daniel Jones		
CSA	Laura Maher / Shamendra Naidu / Jeff Schumacher		

- General Notes:**
- This information presented on this drawing relates the design stage as indicated in the revision description.
  - The drawing should be read in conjunction with all relevant and available contract documentation.
  - Some drawings may need to be printed in colour to preserve information indicated in colour on the drawings.
  - All dimensions are in millimeters (mm) unless noted elsewhere. All levels are in metres (m) unless noted elsewhere.
  - Do not scale; work to figured dimensions only.
  - The topographical information provided is based on topographical survey undertaken as part of the planning submission.

**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 Anup approval. Minimum Volume = 561m<sup>3</sup>

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

Proposed CAB FFL +67.800 OD

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

Proposed Surface Water Drain Proposed DUB 15 FFL +68.000 OD

Proposed DUB 14 FFL +67.800 OD

Existing DUB 9 & 10 Rainwater Harvesting Tank

Existing DUB 09 FFL +68.250 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"

Divert into DUB 14 RW Harvesting Drain Starting I.L. 65.90m Contributing Area: 13,000m<sup>2</sup> of DUB 10 Roof of Unattenuated Flow

Existing DUB 10 FFL +69.250 OD

Existing DUB 07 FFL +69.250 OD

Existing DUB 08 FFL +70.250 OD

Existing DUB 12 FFL +70.250 OD

Approved DUB 13 FFL +71.750 OD

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

**Legend:**

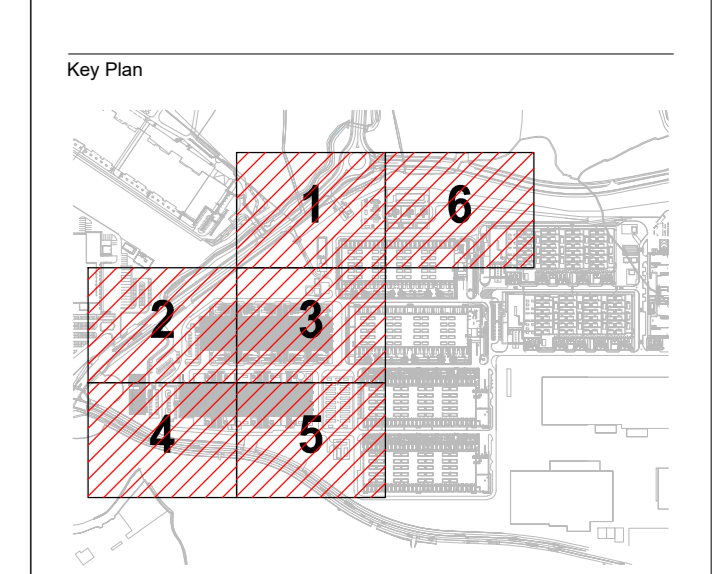
	Proposed Surface Water Drain & Manhole
	Proposed Diversion Rain Water Drain & Manhole
	Proposed Rainwater Drain & Manhole
	Proposed Rising Main
	Existing Attenuation Tank
	Proposed Attenuation Tank
	Proposed Rainwater Harvesting Tank
	Proposed Retention Fuel Separator
	Proposed Non-return Valve
	Proposed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

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

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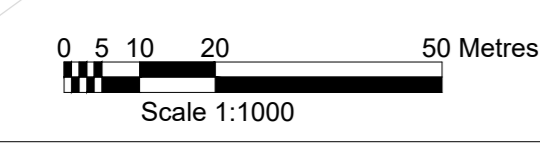
Client: **Microsoft**

Project Title: **DUB14/15**



Drawing Title: **Proposed Drainage Layout Overall**

Scale of A0	1:1000	By / Ckd / Appd	DK/AM/Macc
Risk	Civil		
Status	S2 - Suitable for Information - Planning		
Arup Job No	279225-00	Rev	P05
ID	DUB14-15_C-D-X02		



Do not scale

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