

**Approvals:**

Customer	Microsoft	Date	14/09/21
Microsoft Mechanical Engineer	Andrew Layer		
Microsoft Electrical Engineer	Cathal O'Sullivan		
Microsoft Electrical Engineer	Alan Kekali		
Engineering Manager	Declan Conerford		
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.

**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.

- 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

Rainwater Harvesting Tank for DUB 14&15 and 1500m<sup>3</sup> part replacement Volume for DUB 9&10  
 2,700m<sup>3</sup> Concrete Rainwater Harvesting Tank for Process Water Storage  
 Refer to Structural Drawing No. DUB14-15\_S-D-005 for details.

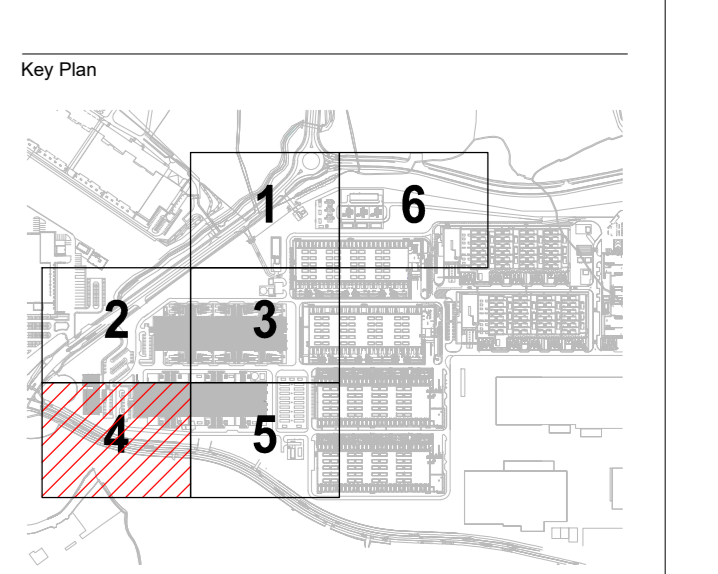
- Water Depth = 2m
- Internal Plan Area = 1350
- 35m x 40m
- Tank will incorporate 2 Sets of Pumps.
- Cover Level = 67.25m
- Top of Conc. = 66.35m
- Lowest Inlet Level = 64.80m
- Tank Base Invert Level = 62.65m
- Pump Sump Invert Level = 61.40m
- Pump Set 1 - Pumps Raw Water To WTP.
- Pump Set 2 - Reserve Pumps & Rising Main WTP
- Overflow to SW Attenuation Tank Level = 64.45m

Issue	Date	Revision Description
P04	24/01/22	Issue for Planning Compliance

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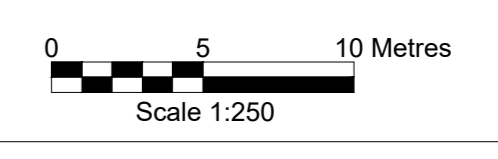
Client: Microsoft

Project File: DUB14/15



Drawing Title: Proposed Drainage Layout Sheet 4

Scale of A0	1:250	By / CNA / Appd	DK/AM/Macc
Disc	Civil		
Status	S2 - Suitable for Information - Planning		
Arup Job No	279225-00	Rev	P04
ID	DUB14-15_C-D-X02.4		



Do not scale

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