

# PINNACLE CONSULTING ENGINEERS

ALCHERY, BESSIERER ROAD, WELYN GARDEN CITY, AL7 1BE  
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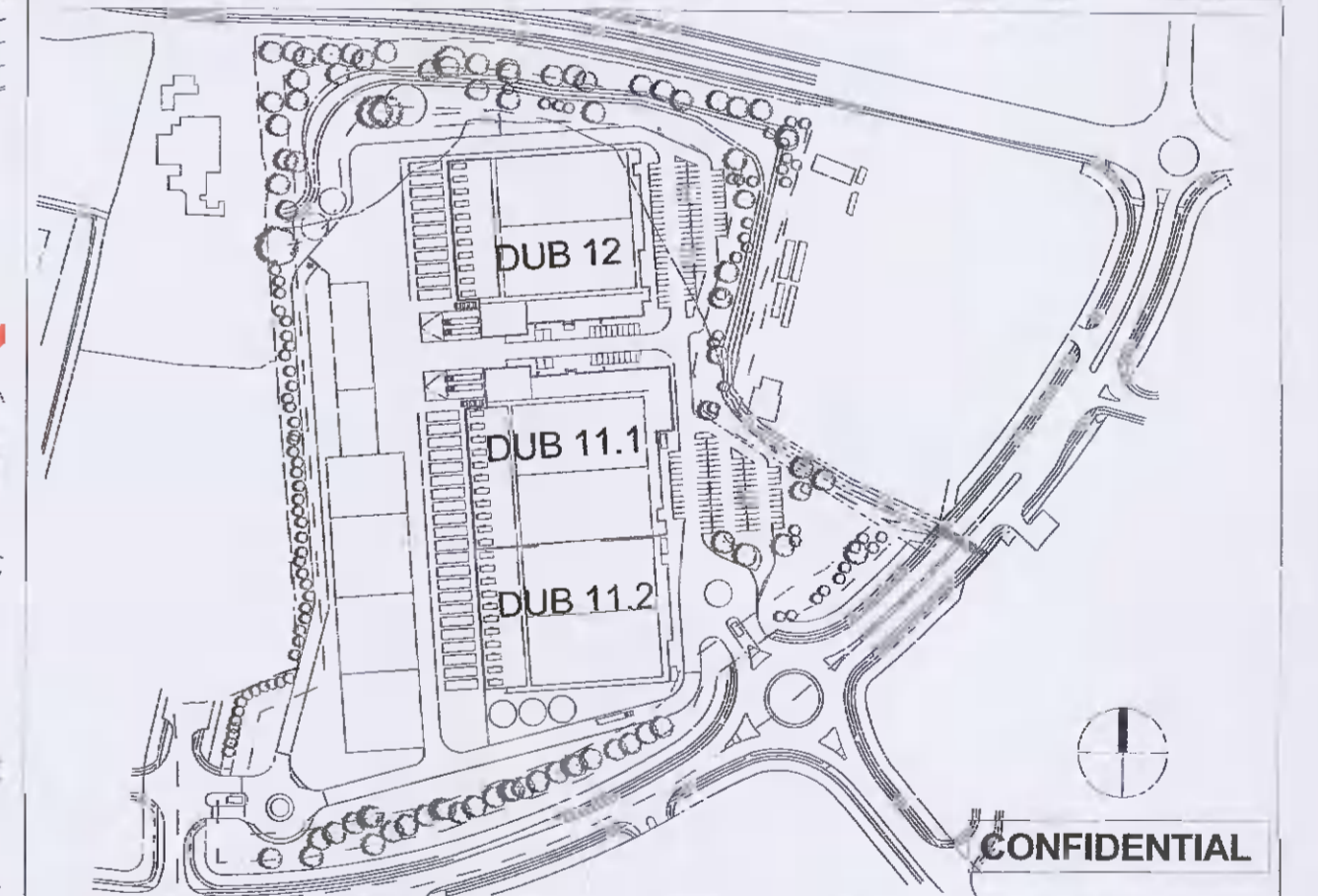
### LEGEND

- WM EXISTING WATERMAIN
- WM PROPOSED ISOH+ HDPE, PE100, SDR17 WATERMAIN
- PROPOSED RETAINING WALL
- FFL 100.200**
- 79.88 PROPOSED FFL
- 67.72 EXISTING LEVEL
- 1:66 PROPOSED GRADIENT
- SLV SLUICE VALVES AS PER IRISH WATER STANDARD DETAIL STD-W-15
- SITE BOUNDARY
- AV AIR VALVE AS PER IRISH WATER STANDARD DETAIL STD-W-20/22
- SCV SCOUR VALVE AS PER IRISH WATER STANDARD DETAIL STD-W-30/30A
- SCV SCOUR VALVE CHAMBER AS PER IRISH WATER STANDARD DETAIL STD-W-30
- H HYDRANTS AS PER IRISH WATER STANDARD DETAIL STD-W-16/18
- WH WASH OUT HYDRANT CHAMBER AS PER IRISH WATER STANDARD STD-W-30A
- M METER CHAMBER AS PER IRISH WATER STANDARD STD-W-26

### WATERMAIN NOTES.

1. ALL WATERMANS VALVES AND FITTINGS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE IRISH WATER STANDARD DETAILS AND IRISH WATER CODE OF PRACTICE FOR WATER INFRASTRUCTURE.
2. ALL WATERMANS SHALL BE HDPE, PE100, SDR17 TO IS EN 12201 PART 2:2011 AND IS EN 12201-3:2011.
3. CONNECTION BETWEEN EXISTING AND PROPOSED WATERMANS TO BE CARRIED OUT IN ACCORDANCE WITH IRISH WATER STANDARD DETAILS STD-W-03 TO STD-W-10.
4. ANCHOR BLOCKS TO BE POSITIONED AT DEAD ENDS, TEES, BENDS AND AT EACH SIDE OF HYDRANTS AND VALVES IN ACCORDANCE WITH THE REQUIREMENTS OF IRISH WATER STANDARD DETAIL STD-W-28 (WATER MAIN THRUST AND SUPPORT BLOCKS). DISMANTLING JOINTS TO BE INSTALLED AT EACH SLUICE VALVE AS PER IRISH WATER STANDARD DETAIL STD-W-15.
5. CONNECTION TO INDIVIDUAL HOUSES IN ACCORDANCE WITH IRISH WATER STD-W-03.
6. INSTALLATION OF SLUICE VALVES, AIR VALVES AND HYDRANTS SHALL BE IN ACCORDANCE WITH IRISH WATER'S STANDARD DETAILS STD-W-14 TO STD-W-23.
7. MARKER POSTS AND PLATES ARE TO BE PROVIDED IN ACCORDANCE WITH IRISH WATER STANDARD DETAIL STD-W-27.
12. CONNECTION TO INDIVIDUAL HOUSES IN ACCORDANCE WITH IRISH WATER STD-W-03.
13. CONNECTION TO EXISTING WATERMANS TO BE COORDINATED BY THE CONTRACTOR WITH IRISH WATER AND/OR THE LOCAL AUTHORITY.
14. CONTRACTOR TO LIAISE WITH IRISH WATER AND / OR THE LOCAL AUTHORITY AS REQUIRED REGARDING TESTING, CLEANSING AND STERILISATION OF WATERMANS.
15. WATERMANS TO BE PRESSURE TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF IRISH WATER AND IGN 4-01-03, GUIDE TO TESTING OF PRESSURE PIPES AND FITTINGS FOR USE BY PUBLIC WATER SUPPLIERS, OCTOBER 2015. A FORMAL TEST REPORT SHALL BE SUBMITTED TO THE ENGINEER DETAILING THE TEST CARRIED OUT.

NO	10/08/21	DATE	JM	NO	22/07/21	DATE	JM	NO	10/08/21	DATE	JM
REV		REV DATE		REV		REV DATE		REV		REV DATE	



CONFIDENTIAL

Client	Structural engineer company:
<b>VANTAGE</b> DATA CENTERS	Engineer's Name:
	Signature:
	Date:

Signature Architect Company:	Signature Architect Name:
<b>Hyphen</b>	Signature:
	Date:

EMM coordinator:	Approved by:	Checked by:	Drawn by:
	JM	SOR	F JVR

Project address:  
**DUBLIN IRELAND**  
 53° 19' 1.40"N 6° 26' 40.80"W

Drawing title:  
**PROPOSED SITE LEVELS AND WATERMAIN**  
 SHEET 2 OF 2

Format / Size:	Scale:	Status:	Date:	Sheet number:	Rev:
A1 504x641	1:500		07/23/21	DUB11.1-DR-SP-C123-V1-WS3-PIN	V1

**PRELIMINARY - NOT FOR CONSTRUCTION**

Scale For Microlimiting  
Millimeters  
Inches

