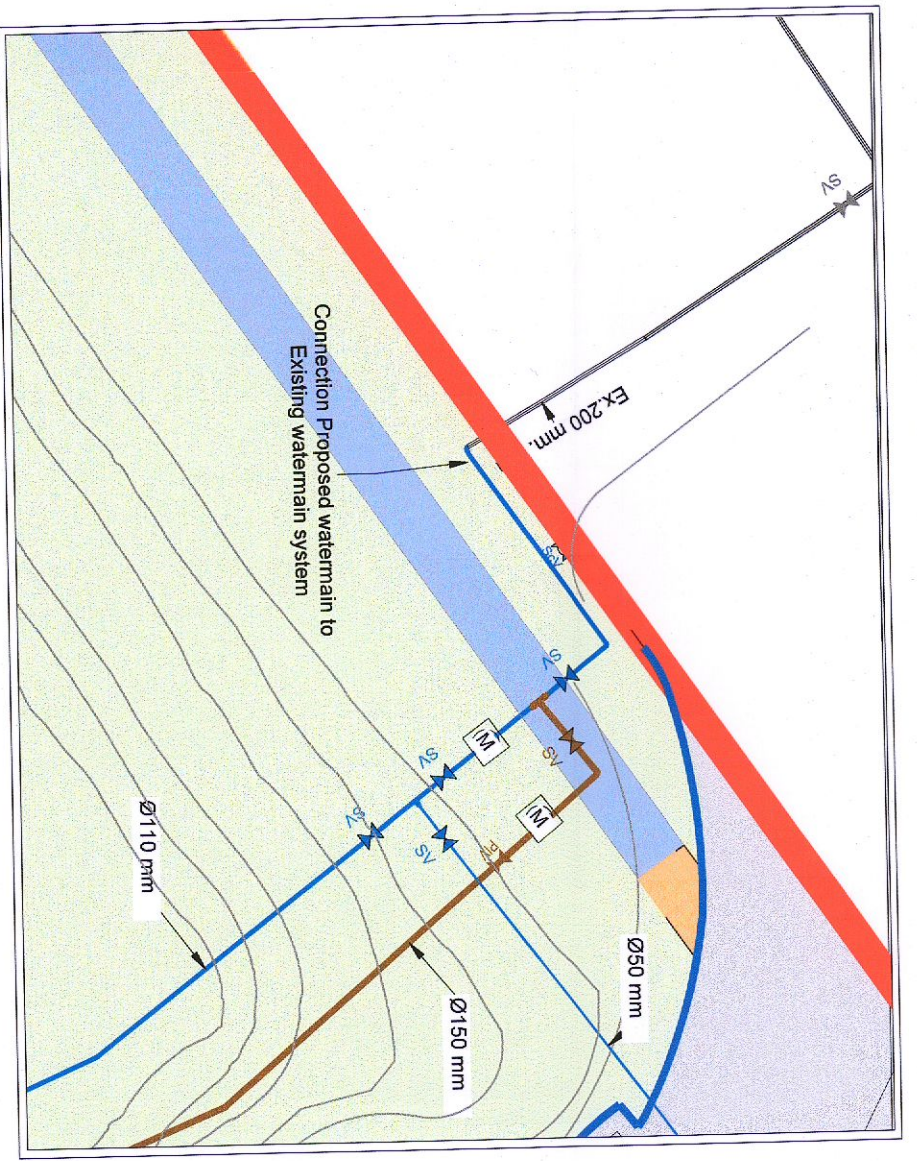


- WATERMAIN NOTES:**
1. WATER SUPPLY INFRASTRUCTURE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CIVIL WORKS SPECIFICATION AND THE SUSTAINING DOCUMENTATION.
  2. IRISH WATER CODE OF PRACTICE FOR WATER INFRASTRUCTURE DOCUMENT IW-COS-6900-093.
  3. IRISH WATER WATER INFRASTRUCTURE STANDARD DETAILS DOCUMENT IW-COS-5020-011.
  4. ALL PIPEWORK MATERIALS SHALL COMPLY WITH THE FOLLOWING:-
  5. MEDIUM DENSITY POLYETHYLENE (MDPE) PIPES SHALL BE MANUFACTURED IN MODIFIED HIGH DENSITY POLYETHYLENE AND SHALL COMPLY WITH THE REQUIREMENTS WMS 4-32-17, WMS 4-32-14 AND WMS 4-32-15. ALL PIPES SHALL BE MANUFACTURED IN ACCORDANCE WITH THE REQUIREMENTS WMS 4-32-17, WMS 4-32-14 AND WMS 4-32-15. ALL PIPES SHALL BE PERMITTED ON POTABLE WATER MAINS OF DIAMETERS EQUAL OR SMALLER THAN 200mm.
  6. HIGH DENSITY POLYETHYLENE (HDPE) PIPES SHALL BE MANUFACTURED IN ACCORDANCE WITH BS EN 12201. PIPES SHALL BE TYPE PE100 TO WATER INDUSTRY SPECIFICATION WMS 4-32-17. WMS 4-32-14 AND WMS 4-32-15 WITH AN SPR RATING OF 11 OR EQUIVALENT AGREED.
  7. THE COLOUR OF PIPES SHALL BE IN ACCORDANCE WITH THE UK NATIONAL JOINT UTILITIES GROUP PUBLICATION 'GUIDELINES ON THE POSITIONING AND COLOUR CODING OF UTILITIES' APPARATUS.
  8. WATERMAIN TRENCH BACKFILL, BEDDING AND SURROUND SHALL COMPLY WITHDRAWING.
  9. ALL PROPERTY FITTINGS TO BE BJT FUSION FITTINGS TO THE WATER INDUSTRY STANDARDS WMS 4-32-14/15.
  10. SLUICE VALVE DETAILS INCLUDING CHAMBER, COVER AND FRAME SHALL COMPLY WITH DETAIL STD-W-45 OF IRISH WATER WATER INFRASTRUCTURE STANDARD DETAILS DOCUMENT NO IW-COS-5020-011.
  11. SLUICE VALVE DETAILS INCLUDING CHAMBER, COVER AND FRAME SHALL COMPLY WITH DETAIL STD-W-45 OF IRISH WATER WATER INFRASTRUCTURE STANDARD DETAILS DOCUMENT NO IW-COS-5020-011.
  12. AIR VALVE DETAILS INCLUDING CHAMBER, COVER AND FRAME SHALL COMPLY WITH DETAIL STD-W-22 (ONLINE) AND STD-W-22 (OFFLINE) OF IRISH WATER WATER INFRASTRUCTURE STANDARD DETAILS (DOCUMENT NO IW-COS-5020-011).
  13. HYDRANT DETAILS INCLUDING CHAMBER, COVER AND FRAME SHALL COMPLY WITH DETAIL STD-W-18 (ONLINE) AND STD-W-18 (OFFLINE) OF IRISH WATER WATER INFRASTRUCTURE STANDARD DETAILS (DOCUMENT NO IW-COS-5020-011).
  14. WASH-OUT HYDRANT DETAILS INCLUDING CHAMBER, COVER AND FRAME SHALL COMPLY WITH DETAIL STD-W-19 OF IRISH WATER WATER INFRASTRUCTURE STANDARD DETAILS (DOCUMENT NO IW-COS-5020-011).
  15. THREAT RECORDS (IF SELF-ASSESSING JOINTS ARE NOT PROVIDED) SHALL COMPLY WITH DETAIL STD-W-21 OF IRISH WATER WATER INFRASTRUCTURE STANDARD DETAILS (DOCUMENT NO IW-COS-5020-011).
  16. TESTING AND PRESERVATION SHALL COMPLY WITH SECTION 7 OF THE IRISH WATER CODE OF PRACTICE FOR WATER SUPPLY (DOCUMENT NO IW-COS-5020-03).
  17. MARKETING AND MESSAGES PORTS SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 2.78 OF THE IRISH WATER GENERAL CIVIL ENGINEERING SPECIFICATION (DOCUMENT NO IW-COS-900-01).
  18. TWO NO. SOLARIS (AS PER DRAWING) SHALL BE PROVIDED AT EACH FIRE HYDRANT. THE CONTRACTOR SHALL MAKE AN ALLOWANCE FOR 20 NO. BOLLARDS IN THEIR PRICE BOLLARD SETTING OUT SHALL BE AS PER DETAIL.



**Proposed Water Supply Layout Plan**  
Scale 1:500

**WATER SUPPLY LEGEND:**

	Proposed Water Supply Mains
	Proposed Fire Hydrant Main Supply
	Proposed 500g Watermain Supply
	Proposed Sluice Valve
	Proposed Water meter - Firemain
	Proposed Water meter - Water Supply Main
	Proposed Air Valve
	Proposed Scour Valve
	Wash-Out Hydrant to IW Standard detail STD-W-50A
	Proposed Hydrant Refer to Drawing No. 22_043-CSE-00-XX-DR-C-2311 for Details
	Post Indicator Valve for Firemain Refer to Drawing No. 22_043-CSE-00-XX-DR-C-2311
	Proposed Sluice Valve - Firemain
	Existing Watermain Supply

**SITE LEGEND**

	Proposed Soft Landscape
	Proposed Concrete Pavement
	Proposed Footpath
	Proposed Roads
	Proposed Building
	Granite Paving (Refer to Architects Details)
	Proposed Swale
	Space for Future Data Hall Expansion
	Gravel Surface (Permeable Surface)
	Proposed Gravel Surface
	Outline of the Site Subject to this application
	Proposed 2.6 m Palisade Fence
	Proposed 2.4 m Palisade Fence
	Proposed Security Gates/Barriers to Architects Details
	Proposed Keph
	Proposed Retaining Wall
	Proposed Tactile Paving & Dop Keph. Refer to Drawing No. 2300 for Details.

**Clifton Scannell Emerson Associates**

**K2 Strategic Infrastructure Ireland Ltd.**

**K2 Datacentre**

**Proposed Water Supply Layout Plan**

Date: 07/06/2022  
 Drawing No: 22\_043  
 Checked by: CD  
 Project Code: 22\_043-CSE-00-XX-DR-C-2310

Status Code: P02  
 Project Status: PRELIMINARY