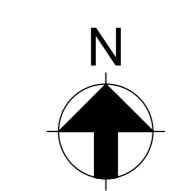




Development Proposals Include	No. units	Area (m ²)
Residential Units	823	
Commercial Space (Café, Restaurant, Creche)		3307
Resident Amenity		2756



- Notes:**
- All levels relate to OD Main Head and are in meters.
 - Do not scale from this drawing. If in doubt, ask.
 - This drawing should be read in conjunction with all relevant and available documentation.
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 - Existing watermain infrastructure based on record drawings received from Cork City Council (as agents for Irish Water) 29 May 2019.
 - All potable watermains to be designed and constructed in accordance with Irish Water Code of Practice and Standard Details.
 - All potable water pipework material shall be polyethylene PE100 SDR 11, subject to confirmation by Irish Water.
 - All potable water pipework to have a minimum cover of 900mm, unless notified otherwise.
 - A new bulk water meter shall be installed at the connection point to the site as shown.
 - The metering strategy for the site is to be agreed with Irish Water during detail design stage. The current assumption is that there will be a meter room within each residential block.
 - Proposed watermain sizes are indicative only and to be confirmed at detailed design stage.
 - Number of hydrants and their locations are shown indicatively and will be located/spaced in accordance with the relevant standards at detailed design stage. Hydrants are proposed to be fed from the potable water network. Check valves in line with Irish Water requirements will be provided to prevent backflow into the potable water network.
 - Thrust blocks shall be constructed on all vertical and horizontal changes in direction $\geq 11.25^\circ$, tees and dead ends.
 - Size of proposed watermains shown are indicative only and are to be confirmed at detailed design stage.
 - Air valve and hydrant covers, where located in grass areas, shall be surrounded by a concrete plinth, 200mm all round and 100mm deep, formed with C20/25 concrete, 20mm aggregate size, and bedded in Clause 804 material. The plinth shall incorporate mild steel reinforcement links and shall have a bull-nose finish around its external perimeter as per Irish Water Code of Practice.
 - All water infrastructure will achieve horizontal and vertical distances as set out in Irish Water Code of Practice and Standard Details, unless agreed with Irish Water in advance.
 - An acceptable isolation device shall be provided using a connection via an unrestricted airgap device (A Type device, IS EN 1717) to prevent backflow from the internal water distribution system to Irish Water's Network to prevent the risk of backflow contamination.

Legend:

Existing Watermain	---
Assumed proposed Irish Water watermain	---
Proposed Watermain	---
Proposed Water Meter	⊙
Proposed Sluice Valve	SV
Proposed Air Valve	AV
Proposed Scour Valve	ScV
Proposed Thrust Block	TB
Proposed Washout Hydrant	WO
Proposed Fire Hydrant	⊠
Proposed Watermain Building Connection	---
Indicative Site Boundary	---
Proposed Building Outline	---
Extent of Podium	---
Existing Spot Level	+0.50m
Proposed Spot Level	+2.30m

Metering Strategy:

- A bulk water meter will be provided immediately downstream of the connection to the existing Irish Water watermain.
- For supply to highrise blocks with multiple apartments a below ground meter will be provided outside the building to allow for metering of the entire block and a water meter room is allowed for within the block to allow for metering of individual residential/amenity units.
- For supply to individual retail/café/restaurant units a below ground meter will be provided outside the building.

Rev	Date	By	Chk	Appd
P06	23/03/22	ROD	RM	JMacC
Issued for Information (Status S2)				
P05	11/03/22	ROD	RM	JMacC
Issued for Information (Status S2)				
P04	08/03/22	ROD	RM	JMacC
Issued for Information (Status S2)				
P03	22/12/21	ROD	RM	JMacC
Issued for Information (Status S2)				
P02	13/10/21	ROD	RM	JMacC
Issued for Information (Status S2)				
P01	04/10/21	ROD	RM	JMacC
Issued for Information (Status S2)				

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Client
Tiznow Property Company Limited
(Comer Group Ireland)

Project Title
City Park Development at the Former Tedcastles Site

Drawing Title
Proposed Watermain Layout

Scale of A0: 1:500

Disc: Site Infrastructure

Suitability: S2 - Suitable for Information

Arup Job No: **267365-00** Rev: **P06**

Name: **267365-ARUP-ZZ-ZZ-DR-C-4000**