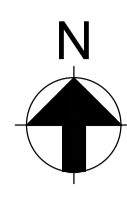


| Development Proposals Include               | No. units | Area (m2) |
|---|-----------|-----------|
| Residential Units                           | 190       |           |
| Commercial Space (Café, Restaurant, Creche) |           | 829       |
| Resident Amenity                            |           | 766       |



- Notes:**
- All levels relate to OD Malin 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.
  - Ordnance Survey Ireland License No. EN000222 © Ordnance Survey Ireland/Government of Ireland.
  - Existing watermain infrastructure based on record drawings received from Cork City Council (as agents for Irish Water) 29 May 2019.
  - All potable water mains 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 mains 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.

- Legend:**
- Existing Watermain: ——— w ———
  - Proposed Watermain: ——— w ———
  - Proposed Water Meter: (M)
  - Proposed Sluice Valve: (SV)
  - Proposed Air Valve: (AV)
  - Proposed Scour Valve: (ScV)
  - Proposed Thrust Block: (TB)
  - Proposed Washout Hydrant: (WO)
  - Proposed Fire Hydrant: (H)
  - Proposed Watermain Building Connection: ——— w ———
  - Proposed Planning Boundary: ———
  - Proposed Building Outline: [Grey Box]
  - Extent of Podium: [Purple Box]
  - Proposed Spot Level: +0.85m
  - Existing Spot Level: +0.85m

**Metering Strategy:**

Only Bulk Water meters are shown on the layout drawing. Individual meters outside building connections are not shown for clarity. The strategy for metering is as follows:

- 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.

- Notes Continued:**
- 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 watermain shown are indicative only and are to be confirmed at detailed design stage.
  - Air valve and hydrants 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 904 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 (AA 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.

| Rev                                | Date     | By  | Chkd | Appd |
|------------------------------------|----------|-----|------|------|
| P09                                | 21/03/22 | ROD | RM   | JMAC |
| Issued for Information (Status S2) |          |     |      |      |
| P08                                | 02/02/22 | RM  | RM   | JMAC |
| Issued for Information (Status S2) |          |     |      |      |
| P07                                | 27/01/22 | RM  | RM   | JMAC |
| Issued for Information (Status S2) |          |     |      |      |
| P06                                | 17/12/21 | ROD | RM   | JMAC |
| Issued for Information (Status S2) |          |     |      |      |
| P05                                | 06/12/21 | ROD | RM   | JMAC |
| Issued for Information (Status S2) |          |     |      |      |
| P04                                | 01/12/21 | ROD | RM   | JMAC |
| Issued for Information (Status S2) |          |     |      |      |
| P03                                | 19/11/21 | RM  | RM   | JMAC |
| Issued for Information (Status S2) |          |     |      |      |
| P02                                | 10/09/21 | ROD | RM   | JMAC |
| Issued for Information (Status S2) |          |     |      |      |

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Client  
**Tiznow Property Company Limited**

Project Title  
**Former Cork Warehouse Site**

Drawing Title  
**Proposed Watermain Layout**

Scale at A1: 1:250  
Role: Site Infrastructure  
Suitability: S2 - Suitable for Information  
Anup Job No: **267365-00** Rev: **P09**  
Name: **267365-ARUP-ZZ-ZZ-DR-C-4100**