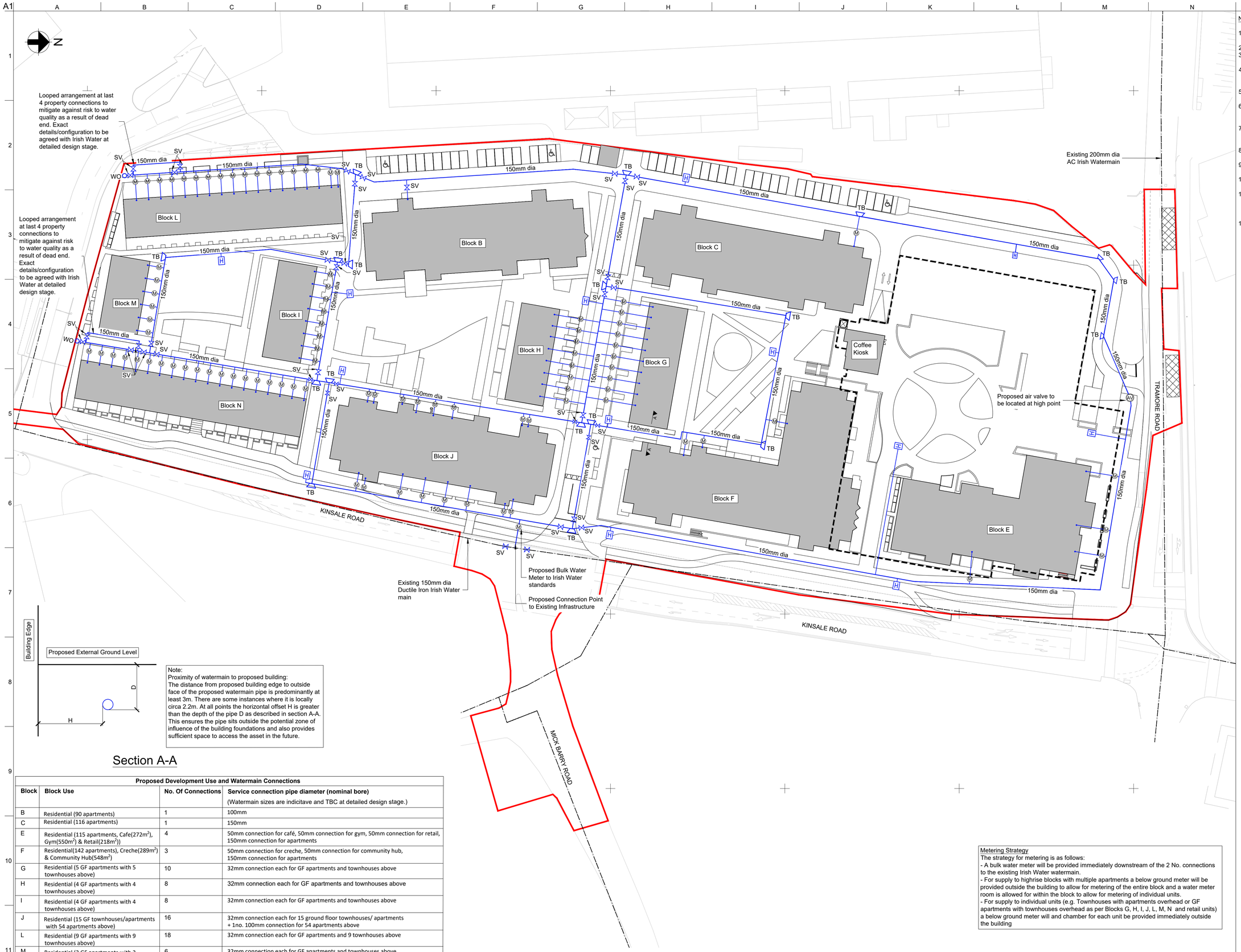

Note:
Proximity of watermain to proposed building:
The distance from proposed building edge to outside face of the proposed watermain pipe is predominantly at least 3m. There are some instances where it is locally circa 2.2m. At all points the horizontal offset H is greater than the depth of the pipe D as described in section A-A. This ensures the pipe sits outside the potential zone of influence of the building foundations and also provides sufficient space to access the asset in the future.

Section A-A

Proposed Development Use and Watermain Connections

Block	Block Use	No. Of Connections	Service connection pipe diameter (nominal bore) (Watermain sizes are indicitave and TBC at detailed design stage.)
B	Residential (90 apartments)	1	100mm
C	Residential (116 apartments)	1	150mm
E	Residential (115 apartments, Cafe(272m^2), Gym(550m^2) & Retail(218m^2))	4	50mm connection for café, 50mm connection for gym, 50mm connection for retail, 150mm connection for apartments
F	Residential(142 apartments), Creche(289m^2) & Community Hub(548m^2)	3	50mm connection for creche, 50mm connection for community hub, 150mm connection for apartments
G	Residential (5 GF apartments with 5 townhouses above)	10	32mm connection each for GF apartments and townhouses above
H	Residential (4 GF apartments with 4 townhouses above)	8	32mm connection each for GF apartments and townhouses above
I	Residential (4 GF apartments with 4 townhouses above)	8	32mm connection each for GF apartments and townhouses above
J	Residential (15 GF townhouses/apartments with 54 apartments above)	16	32mm connection each for 15 ground floor townhouses/ apartments + 1no. 100mm connection for 54 apartments above
L	Residential (9 GF apartments with 9 townhouses above)	18	32mm connection each for GF apartments and 9 townhouses above
M	Residential (3 GF apartments with 3 townhouses above)	6	32mm connection each for GF apartments and townhouses above
N	Residential (9 GF apartments with 9 townhouses above and a further 9 apartments above townhouses)	19	32mm connection each for GF apartments and townhouses above + 1no. 80mm connection for apartments above townhouses

Metering Strategy
The strategy for metering is as follows:
- A bulk water meter will be provided immediately downstream of the 2 No. connections 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 units.
- For supply to individual units (e.g. Townhouses with apartments overhead or GF apartments with townhouses overhead as per Blocks G, H, I, J, L, M, N and retail units) a below ground meter will and chamber for each unit be provided immediately outside the building

Notes:

1. All levels relate to OD Malin Head and are in meters.
2. Do not scale from this drawing. If in doubt, ask.
3. This drawing should be read in conjunction with all relevant and available documentation.
4. Ordnance Survey Ireland License No. EN0002821© Ordnance Survey Ireland/Government of Ireland.
5. Existing watermain infrastructure based on record drawings received from Cork City Council.
6. All potable watermains to be designed and constructed in accordance with Irish Water Code of Practice and Standard Details
7. All potable water pipework material shall be polyethylene PE100 SDR 11, subject to confirmation by Irish Water.
8. All potable water pipework to have a minimum cover of 900mm, unless notified otherwise.
9. A new bulk water meter shall be installed at the connection point to the site as shown.
10. Proposed water main sizes are indicative only and TBC at detailed design stage.
11. No. of hydrants and their locations are shown indicatively and will be located/spaced in accordance with the relevant standards at detailed design stage.
12. Refer to drawing 252666-ARUP-ZZ-XX-DR-C-6000 and 6001 for typical watermain details.

LEGEND:
- Proposed Planning Boundary Line
- Proposed Proposed Building
- Proposed Outline of the Basement
- Existing Watermain
- Proposed Watermain
- Proposed Water Meter
- Proposed Watermain Building Connection
- Proposed Sluice Valve (SV)
- Proposed Thrust Block (TB)
- Proposed Air Valve (AV)
- Proposed Fire Hydrant (H)
- Proposed Wash Out Valve (WO)

Rev	Date	By	Chkd	Appd
P05	16/02/22	RM	RM	J.MacC
Issued for Planning				
P04	18/01/22	RM	RM	J.MacC
Issued for Information				
P03	22/12/21	WC	RM	J.MacC
Issued for Information				
P02	01/12/21	BH	RM	J.MacC
Issued for Information				
P01	06/08/21	ROD	RM	J.MacC
Issued for Information				

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Client
CREAMFIELDS

Project Title
Creamfields Residential Development

Drawing Title
Proposed Potable Water Layout

Scale at A1: 1:500
Role: Site Infrastructure
Suitability: S2 - Suitable for Information
Arup Job No: 252666-00
Rev: P05
Name: 252666-ARUP-ZZ-XX-DR-C-3000

Do not scale

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