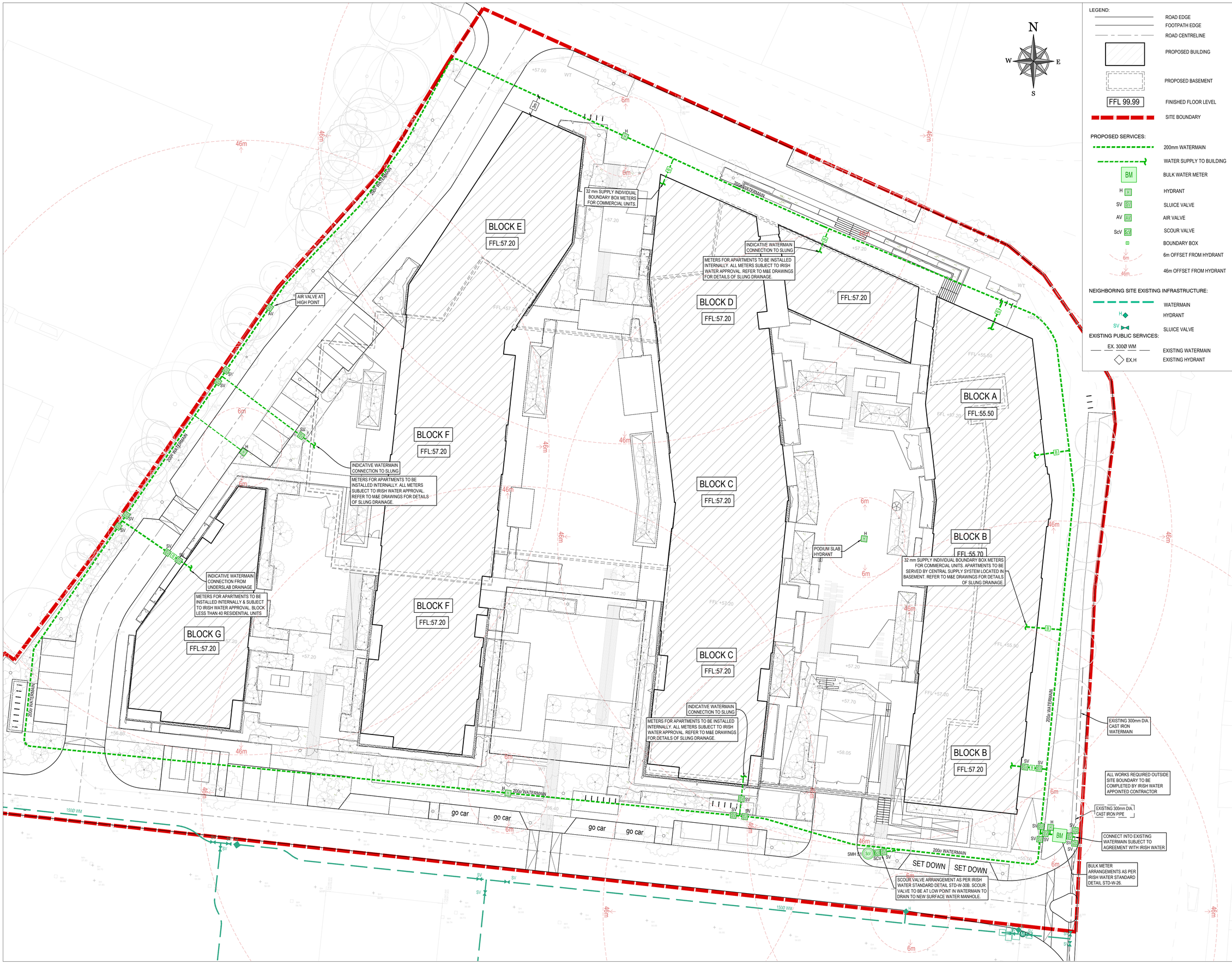

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LEGEND:

- ROAD EDGE
- FOOTPATH EDGE
- ROAD CENTRELINE
- PROPOSED BUILDING
- PROPOSED BASEMENT
- FFL 99.99 — FINISHED FLOOR LEVEL
- SITE BOUNDARY

PROPOSED SERVICES:

- 200mm WATERMAIN
- WATER SUPPLY TO BUILDING
- BM — BULK WATER METER
- H — HYDRANT
- SV — SLUICE VALVE
- AV — AIR VALVE
- ScV — SCOUR VALVE
- BOUNDARY BOX
- 6m OFFSET FROM HYDRANT
- 46m OFFSET FROM HYDRANT

NEIGHBORING SITE EXISTING INFRASTRUCTURE:

- WATERMAIN
- HYDRANT
- SLUICE VALVE

EXISTING PUBLIC SERVICES:

- EX. 300Ø WM — EXISTING WATERMAIN
- EX.H — EXISTING HYDRANT

ON ORIGINAL

0 5 10 20 30 40 50mm

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NO CHANGES OF WHATSOEVER NATURE ARE TO BE MADE TO ANY DETAILS SET OUT OR CONTAINED IN ANY DBFL SPECIFICATIONS OR DRAWINGS UNLESS THE EXPRESS CONSENT HAS BEEN OBTAINED IN ADVANCE, IN WRITING, FROM DBFL

NOTES:

1. ALL DIMENSIONS AND LEVELS IN METRES, EXCEPT IF NOTED OTHERWISE.
2. ALL LEVELS TO MALIN HEAD DATUM.
3. CO-ORDINATE SYSTEM IS: IRISH TRANSVERSE MERCATOR.
4. REFER TO ARCHITECTS PLAN LAYOUTS FOR SITE BOUNDARY / CLIENT OWNERSHIP BOUNDARY / WORKS BOUNDARY.

WATERMAIN:

1. WATERMAIN MATERIAL TO HDPE OR HPPE (TYPE PE100-SDR17). SPECIFICATION SHALL BE IN ACCORDANCE WITH SECTION 3.9 OF IRISH WATER CODE OF PRACTICE.
2. SERVICE CONNECTIONS TO BE HPPE (TYPE PE100-SDR17) OR MDPE (TYPE PE80-SDR11). SPECIFICATION SHALL BE IN ACCORDANCE WITH SECTION 3.9 OF IRISH WATER CODE OF PRACTICE.
3. COVER TO WATERMAIN TO BE MINIMUM 900mm.
4. COVER TO SERVICE CONNECTIONS TO BE MINIMUM 750mm.
5. HYDRANTS TO BE 6m MIN. & 46m MAXIMUM FROM BUILDINGS.
6. ALL COVERS IN PUBLIC AREAS TO BE IS EN 124 D400 UNLESS NOTED OTHERWISE.
7. ANCHOR BLOCKS TO BE POSITIONED AT DEAD ENDS, TEES, BENDS AND AT EACH SIDE OF HYDRANTS AND VALVES.
8. FOR APARTMENTS BLOCKS, A METER WILL BE INSTALLED INTERNALLY WITHIN THE PREMISES IN ACCORDANCE WITH THE BUILDING CONTROLS AUTHORITY REQUIREMENTS AND SUBJECT TO REVIEW BY IRISH WATER. SEE SECTION 3.15.2 OF THE IRISH WATER CODE OF PRACTICE.
9. BULK METERS ARE TO BE PROVIDED WHERE THE DAILY DEMAND EXCEEDS 20m3 (EQUIVALENT OF 40 DOMESTIC UNITS) IN ACCORDANCE WITH SECTION 2.4.3 AND 2.6.5 OF THE IRISH WATER CODE OF PRACTICE.
10. 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, BEDDED IN CLAUSE 808 MATERIAL. THE PLINTH SHALL INCORPORATE MILD STEEL REINFORCEMENT LINKS AND SHALL HAVE A BULL-NOSE FINISH AROUND ITS EXTERNAL PERIMETER. SEE SECTION 3.18 OF IRISH WATER CODE OF PRACTICE.
11. NOTE RESTRICTIONS ON PLANTING ADJACENT TO WATER MAINS AS PER DETAIL I.W. DETAIL STD-W-12A.
12. NOTE TYPICAL SERVICE LAYOUT DISTANCES (HORIZONTALLY AND VERTICALLY) AS PER I.W. DETAIL STD-W-11.
13. AN AIR VALVE IS PROVIDED AT THE HIGH POINT. REFER TO SECTION 3.16.6 OF IRISH WATER CODE OF PRACTICE.
14. A SCOUR VALVE IS LOCATED AT THE LOW POINT & CONNECTED TO A SURFACE WATER MANHOLE WITH A NON-RETURN VALVE. REFER TO SECTIONS 3.16.4 & 3.21 OF THE IRISH WATER CODE OF PRACTICE. CONNECTION TO BE AGREED WITH THE LOCAL AUTHORITY.
15. IF A CONNECTION TO A SURFACE WATER MANHOLE IS NOT FEASIBLE, PROVIDE A CONNECTION TO A WASHOUT HYDRANT IN ACCORDANCE WITH IRISH WATER STANDARD DETAIL STD-W-30A
16. SLUICE VALVES PROVIDED AT ALL JUNCTIONS. REFER TO SECTION 3.16.2 AND 3.5.39 OF THE IRISH WATER CODE OF PRACTICE.
17. MEASURES TO BE PUT IN PLACE TO ENSURE NO CROSS CONTAMINATION OCCURS BETWEEN THE FIRE WATER STORAGE AND POTABLE WATER WITHIN THE SUPPLY INFRASTRUCTURE AS PER SECTION 1.19 OF THE IRISH WATER CODE OF PRACTICE. REFER TO M&E CONSULTANTS DRAWINGS FOR DETAILS.
18. NEW WATERMAINS UP TO AND INCLUDING 150mm IN DIAMETER SHALL NOT BE LAID WITHIN 3m OF AN EXISTING OR PROPOSED STRUCTURE. SEE SECTION 3.5.9 OF IRISH WATER CODE OF PRACTICE.
19. ALL WORKS TO BE UNDERTAKEN IN ACCORDANCE WITH:
    - IRISH WATER "CODE OF PRACTICE FOR WATER INFRASTRUCTURE" AND "IRISH WATER INFRASTRUCTURE STANDARD DETAILS".
    - TII SPECIFICATION FOR ROADWORKS.
    - GREATER DUBLIN CODE OF PRACTICE FOR DRAINAGE WORKS
    - RECOMMENDATIONS FOR SITE DEVELOPMENT WORKS
21. CE CERTIFICATION TO BE PROVIDED FOR ALL PRODUCTS COVERED BY THE EU CONSTRUCTION PRODUCTS REGULATION (NO.305/2011-CPR).
22. ALL MATERIALS PROPOSED FOR USE ON SITE TO BE APPROVED PRIOR TO ARRIVAL ON SITE.
23. LEVELS AND POSITIONS OF ALL EXISTING SERVICES TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION.
24. THE PROPOSED DISTRIBUTION SYSTEM TO THE COMMUNAL RESIDENTIAL DEVELOPMENT AND COMMERCIAL FACILITIES SHALL FACILITATE THE INSTALLATION OF APPROVED INDIVIDUAL METERS TO EACH INDIVIDUAL UNIT OR BUSINESS WITHIN THE DEVELOPMENT AND AGREED BY IRISH WATER.
25. FOR BOOSTED WATER SUPPLY SYSTEM AN ACCEPTABLE ISOLATION DEVICE SHALL BE PROVIDED USING A CONNECTION VIA AN UNRESTRICTED AIR-GAP DEVICE TO PREVENT BACKFLOW FROM THE INTERNAL WATER DISTRIBUTION SYSTEM.

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GOVERNMENT OF IRELAND

rev	date	description	by	chkd.
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0	13.10.23	ISSUED FOR INFORMATION	CDC	RSP

STATUS CODES

purpose	acceptance
P1 - INFORMATION	S - ISSUED

DBFL Consulting Engineers
Civil, Structural & Transportation Engineering
www.dbfl.ie

DUBLIN OFFICE: Ormond House, Upper Ormond Quay, Dublin 7, D07 W704
PHONE +353 1 400 4000

CORK OFFICE: 14 South Mall, Cork, T12 CT91
PHONE +353 21 2024539

WATERFORD OFFICE: Suite 8b The Atrium, Maritana Gate, Canada Street, Waterford, X91 W028
PHONE +353 51 309 500

GALWAY OFFICE: Ozeon House, 7 Eyre Square, Galway, H91 YNC8
PHONE +353 91 33 55 99

project ref.

MIXED USE DEVELOPMENT (LRD), SANTRY AVENUE, DUBLIN

drawing title

PROPOSED WATERMAIN LAYOUT

client

DWYER NOLAN DEVELOPMENTS

designed by	author	scale	sheet size
RSP	CDC	1:250	A1

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