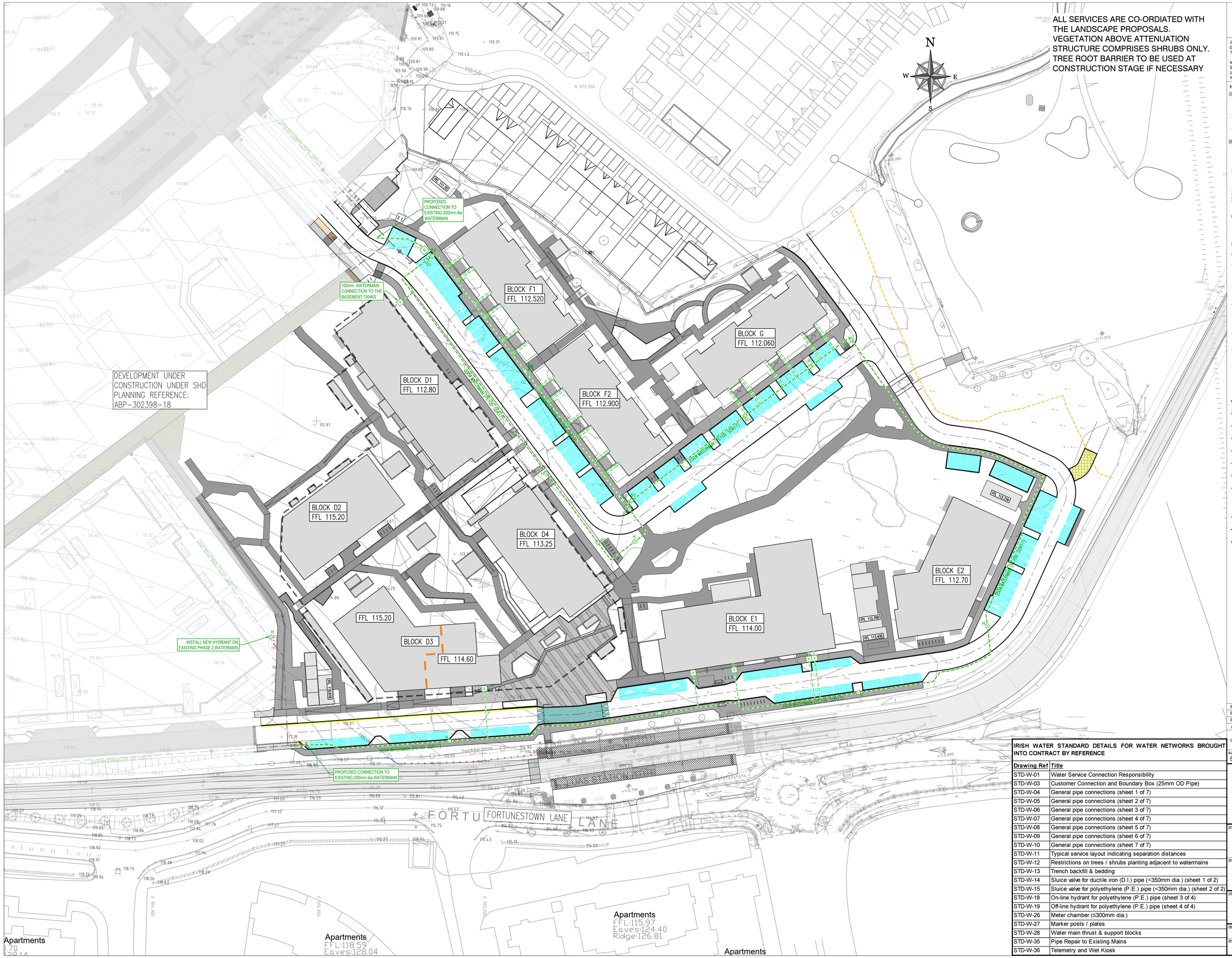
ALL SERVICES ARE CO-ORDIATED WITH THE LANDSCAPE PROPOSALS. VEGETATION ABOVE ATTENUATION STRUCTURE COMPRISES SHRUBS ONLY. TREE ROOT BARRIER TO BE USED AT CONSTRUCTION STAGE IF NECESSARY



ON ORIGINAL

0 5 10 15 20 25 30 40 50mm

© COPYRIGHT OF THIS DRAWING IS RESERVED BY DBFL CONSULTING ENGINEERS. NO PART SHALL BE REPRODUCED OR TRANSMITTED WITHOUT THEIR WRITTEN PERMISSION.

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:

GENERAL NOTES:

1. ALL DRAWINGS TO BE CHECKED BY CONTRACTOR ON SITE AND ENGINEER INFORMED OF DISCREPENCIES BEFORE WORK COMMENCES
2. ALL DIMENSIONS AND LEVELS ARE IN METRES UNLESS NOTED OTHERWISE.
3. ALL LEVELS ARE IN METERS AND ARE RELATED TO ORDINANCE DATUM. CO-ORDINATES RELATE TO ITM.

DRAWING SPECIFIC NOTES:

1. WATERMAIN INSTALLATION AND ALL WATER SUPPLY WORKS TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF IRISH WATER'S CODE OF PRACTICE FOR WATER SUPPLY AND WATER INFRASTRUCTURE STANDARD DETAILS
2. WATERMAINS (AND SERVICE CONNECTIONS) TO BE PE-100 SDR-17 AND SHALL CONFORM TO IS EN 12201 (PART 1, PART 2 & PART 3).
3. AT 90 DEG. TURNS USE 2 No. 45 DEG. BENDS.
4. COVER TO WATERMAIN TO BE 900mm.
5. CONNECTION BETWEEN EXISTING AND PROPOSED WATERMAINS TO BE CARRIED OUT IN ACCORDANCE WITH IRISH WATER STANDARD DETAILS STD-W-03 TO STD-W-10.
6. HYDRANT OUTLET TO BE 200mm BELOW GROUND LEVEL UNLESS REQUESTED OTHERWISE.
7. WHERE COVER TO PIPE IS LESS THAN 900mm IN GREEN AREAS AND 1200mm IN TRAFFICKED AREAS, ENCASE PIPE IN NEW 150mm CONCRETE WITH MOVEMENT JOINTS.
8. NOTE THAT THE CONTRACTOR IS RESPONSIBLE FOR CONNECTIONS INTO THE BUILDING.
9. CONNECTION TO INDIVIDUAL HOUSES IN ACCORDANCE WITH IRISH WATER STD-W-03.
10. CONTRACTOR SHALL SATISFY THEMSELVES AS TO THE ACCORACY OF EXISTING SERVICES INFORMATION AND THE LOCATION OF EXISTING SERVICES ON SITE PRIOR TO COMMENCING INSTALLATION OF WATERMAINS.
11. INSTALLATION OF SLUICE VALVES AND HYDRANTS SHALL BE IN ACCORDANCE WITH IRISH WATER'S STANDARD DETAILS STD-W-14 TO STD-W-19.
12. MARKER POSTS AND PLATES ARE TO BE PROVIDED IN ACCORDANCE WITH IRISH WATER STANDARD DETAIL STD-W-27.
13. CONNECTION TO EXISTING WATERMAINS TO BE COORDINATED BY THE CONTRACTOR WITH IRISH WATER AND/OR THE LOCAL AUTHORITY.
14. CONTRACTOR TO LIASE WITH IRISH WATER AND / OR THE LOCAL AUTHORITY AS REQUIRED REGARDING CLEANSING AND STERILISATION OF WATERMAINS
15. METERS FOR APARTMENTS SHALL BE INSTALLED INTERNALLY WITHIN THE PREMISES IN ACCORDANCE WITH THE BUILDING CONTROL AUTHORITY'S AND IRISH WATER REQUIREMENTS
16. WHERE MANIFOLD CHAMBER IS USED TO PROVIDE A COMMUNAL BOUNDARY BOX, EACH DWELLING SHOULD HAVE ITS OWN SUPPLY PIPE, METER AND STOP VALVE. ALL METERS IN THE MANIFOLD SHALL BE TAGGED

LEGEND:

- SITE BOUNDARY
- PROPOSED WATERMAIN
- SV — SLUICE VALVES TO IRISH WATER STANDARD DETAIL STD-W-14/15
- ScV — SCOUR VALVES TO IRISH WATER STANDARD DETAIL STD-W-15
- H — HYDRANTS TO IRISH WATER STANDARD DETAIL STD-W-16/18
- M — METER CHAMBER TO IRISH WATER STANDARD STD-W-26
- BI — ON LINE BULK WATER METER (AS PER IRISH WATER STD-W-26)
- AV — AIR VALVE TO IRISH WATER STANDARD DETAIL STD-W-20/22
- IRISH WATER SERVICE CONNECTION WITH BOUNDARY BOX TO IRISH WATER STANDARD STD-W-03
- WATERMAIN SV — EXISTING WATERMAIN
- EXISTING WATERMAIN TO BE REMOVED
- BASEMENT FOOTPRINT FOR GROUND FLOOR LAYOUT

ORDNANCE SURVEY IRELAND LICENCE
No EN 0017920
© ORDNANCE SURVEY IRELAND
GOVERNMENT OF IRELAND

rev	date	description	by	chkd.
P03	24-05-21	NEW SHD STAGE 3 PLANNING	PGC	DMW
P02	15-01-21	SCHEME REVISED	PGC	CS
P01	15-12-20	STAGE 3 SHD PLANNING	ICD	DMW

client approval: A - Approved; B - Approved with comments; C - Do not use

suitability: S2 - INFORMATION

issue purpose: PLANNING

IRISH WATER STANDARD DETAILS FOR WATER NETWORKS BROUGHT INTO CONTRACT BY REFERENCE

Drawing Ref	Title
STD-W-01	Water Service Connection Responsibility
STD-W-03	Customer Connection and Boundary Box (25mm OD Pipe)
STD-W-04	General pipe connections (sheet 1 of 7)
STD-W-05	General pipe connections (sheet 2 of 7)
STD-W-06	General pipe connections (sheet 3 of 7)
STD-W-07	General pipe connections (sheet 4 of 7)
STD-W-08	General pipe connections (sheet 5 of 7)
STD-W-09	General pipe connections (sheet 6 of 7)
STD-W-10	General pipe connections (sheet 7 of 7)
STD-W-11	Typical service layout indicating separation distances
STD-W-12	Restrictions on trees / shrubs planting adjacent to watermains
STD-W-13	Trench backfill & bedding
STD-W-14	Sluice valve for ductile iron (D.I.) pipe (<350mm dia.) (sheet 1 of 2)
STD-W-15	Sluice valve for polyethylene (P.E.) pipe (<350mm dia.) (sheet 2 of 2)
STD-W-18	On-line hydrant for polyethylene (P.E.) pipe (sheet 3 of 4)
STD-W-19	Off-line hydrant for polyethylene (P.E.) pipe (sheet 4 of 4)
STD-W-26	Meter chamber (≤300mm dia.)
STD-W-27	Marker posts / plates
STD-W-28	Water main thrust & support blocks
STD-W-35	Pipe Repair to Existing Mains
STD-W-36	Telemetry and Wet Kiosk

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 2024538

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

project ref.: COOLDOWN COMMONS PHASE 3

drawing title: PROPOSED WATERMAIN LAYOUT

client: CAIRN HOMES

designed by	author	scale	sheet size
DMW	GMC	1:500	A1

drawing no.: 190003-DBFL-WM-SP-DR-C-1001

revision: P03