



PROPOSED WATER MAIN LAYOUT (SHEET 1 OF 2)
SCALE 1:500 AT A1

LEGEND

	SLUICE VALVE (REFER TO STD-W-15 FOR DETAILS)
	FIRE HYDRANT (REFER TO STD-W-19 FOR DETAILS)
	WASHOUT HYDRANT (REFER TO STD-W-30A FOR DETAILS)
	BULK METER (REFER TO STD-W-26 FOR DETAILS)
	PRESSURE REDUCING VALVE (REFER TO STD-W-24 FOR DETAILS)
	NON RETURN VALVE
	AIR CONTROL VALVE (REFER TO STD-W-22 FOR DETAILS)
	SCOUR VALVE (REFER TO STD-W-30 FOR DETAILS)
	BLANK END
	PROPOSED LEVEL
	SITE BOUNDARY
	PROPOSED WATER MAIN
	PROPOSED WATER SERVICE CONNECTION
	EXISTING WATER MAIN

- NOTES:**
- This drawing is to be read in conjunction with all relevant Architect's and Engineer's drawings and specifications. All Water main details shall comply with Irish Water Code of Practice for water Infrastructure IW-CDS-5020-03 (Design & Construct) and IW-CDS-5020-01 (Water Infrastructure Standard Details).
 - All Distribution Watermain Pipe lines shall be 100mmø (Min.) HDPE to EN12201 Parts 1 and 2 or similar approved. Mains to be supplied from new ø150mm Spine Mains as shown. All in accordance with section 3.9 of document IW-CDS-5020-03. Mains under roads shall be ductile iron to IS545.
 - All Individual water connections to each dwelling will be in accordance with IW-CDS-520-01 - STD-W02-02 & 03. Water meters for apartments shall be installed internally within the premises to Building Control Authorities Requirements and section 3.15.2 of I.W-CDS-5020-03. Bulk Water Meter to be fitted in accordance with 2.66(I.W.-CDS-5020-03.)
 - All valves to be bolted directly to the T's where applicable
 - Only use all flanged T's and all flanged valves.
 - Use anti-clockwise (left-hand closing) sluice valves
 - Do not use ductile iron tails-use flange adaptors where applicable.
 - Ductile iron to be used crossing roadways and across parking bays, backfill for ductile iron shall be at least 300mm sand surround and lean mix for balance of fill
 - Only use screw type hydrants
 - Site shall be metered using with a Bulk Water Meter & Data Logger to I.W. requirements.
 - All Water Meters & Boundary Boxes will be in accordance with Irish Water Code of Practice IW-CDS-5020-03- APPENDIX 'A'.
 - All Sluice Valve Installations to be in Accordance with Irish Water's Standard details - STD-W14 & STD-W15.
 - All Hydrants shall be Installed in accordance with Irish Water's Standard Details - STD-W-16 to STD-2-W-19.
 - All Fire Hydrants in grass areas shall have a concrete plinth cast around the cover. Plinth to be 200mm all around and will be 100mm deep as per section 3.18 of I.W. Code of Practice.
 - An approved marker tape containing a tracer wire should be affixed to the top surface of all watermains
 - No pipe, cable, conduit or other service should be laid longitudinally over the line of a watermain
 - Ensure marker plates are in place
 - Air valve should be at high point
 - Scour valves at low points
 - All watermains shall be tested to comply with Section 4.10.3 of Irish Water code of Practice IW-CDS-5020-03.

REV	DESCRIPTION	DATE
P	ISSUED FOR PLANNING (ABP)	27/08/2018
C	IRISH WATER COMMENTS DATED 25/07/18 INCORPORATED	26/07/18
B	IRISH WATER COMMENTS INCORPORATED	20/07/18
A	ISSUED TO IRISH WATER	27/06/18

Donnelly Troy & Associates
CONSULTING STRUCTURAL & CIVIL ENGINEERS
First Floor
Richmond House
Richmond Road
Fairview, Dublin 3. Telephone: 8532223
Fax: 8532224
info@donnelly-troy.com

ARCHITECT
JFOC ARCHITECTS
11A GREENMOUNT HOUSE,
HAROLDS CROSS, DUBLIN 6w.

PROJECT
PROPOSED RESIDENTIAL DEVELOPMENT
AT BALLYMANY, CO. KILDARE
FOR GLAN DEVELOPMENTS

DRG. TITLE
PROPOSED WATER MAIN
LAYOUT - SHEET 1/2

drawn by JJ	scale 1:500 @ A1
checked by S.C.	date MAY '18
JOB No. 12021	DRG. No. 208
	REV. P