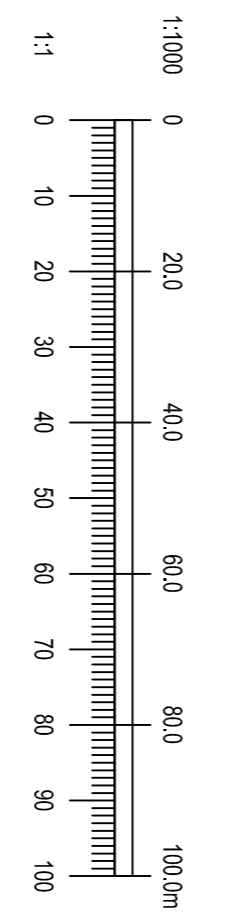


**NOTES:**

1. DO NOT SCALE. USE FIGURED DIMENSIONS ONLY.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTURAL AND ENGINEERING DRAWINGS.
3. ALL PIPE MATERIALS SHALL BE IN ACCORDANCE WITH SECTION 3.9 OF THE IRISH WATER CODE OF PRACTICE FOR WATER INFRASTRUCTURE. WATERMANS SHALL BE EITHER DUCTILE IRON (DI) OR POLYETHYLENE (PE), WITH PE80 OR PE100 RATING (MOPF, HDPEOR HPEPE). ALL PLASTIC WATER PIPES SHALL BE BLUE IN COLOUR.
4. ALL SERVICE CONNECTIONS TO BE 25# HDPE(SR-17).
5. ALL WATERMANS UNDER ROADS OR AT ROAD CROSSINGS TO BE HDPE OR DUCTILE IRON.
6. HDPE DISTRIBUTION PIPES TO BE PE-100(SR-17).
7. DUCTILE IRON PIPES TO IS EN 545 WITH C40 POWER RAINING.
8. 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 804 MATERIAL. THE PLINTH SHALL INCORPORATE WILD STEEL REINFORCED LINKS AND SHALL HAVE BUILT-UP FINISH AROUND ITS EXTERNAL PERIMETER.
9. THRUST BLOCKS SHALL BE PROVIDED AT EACH BEND ALONG THE COURSE OF THE WATERMAIN.
10. PLANTING ADJACENT TO WATER INFRASTRUCTURE SHALL COMPLY WITH IRISH WATER STANDARD DETAIL STD-W-12X.
11. HORIZONTAL AND VERTICAL SERVICE LAYOUT DISTANCES SHALL BE AS PER IRISH WATER STANDARD DETAIL STD-W-11.
12. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT ALL WORKS ARE CONSTRUCTED IN ACCORDANCE WITH THE IRISH WATER CODE OF PRACTICE AND STANDARD DETAILS. THE CODE OF PRACTICE AND STANDARD DETAILS ARE AVAILABLE TO DOWNLOAD FROM THE IRISH WATER WEBSITE AT WWW.WATERIE/CONNECTIONS/DEVELOPER-SERVICES/, WHERE THE DETAILS CONTAINED ON THIS DRAWING DIFFER FROM THE IRISH WATER CODE OF PRACTICE OR STANDARD DETAILS THIS MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY. IRISH WATER STANDARDS WILL TAKE PRECEDENCE.

**LEGEND:**

	PROPOSED 1000 HDPE WATERMAIN
	PROPOSED 1500 HDPE WATERMAIN
	EXISTING WATERMAIN



Ordnance Survey Ireland Licence No. EN 0006021  
©Ordnance Survey Ireland/Government of Ireland.

REV.	DATE	AMENDMENT	PJ.D	MD
A	07/01	REMOVED FOR FINAL SUBMISSION		MD

**STATUS**  
**PLANNING**

**Waterman Moylan**  
Engineering Consultants  
BLOCK 5, EASTPOINT BUSINESS PARK, ALFIE BRYNE ROAD,  
DUBLIN D03 K7V7 IRELAND.  
Tel: 01760 884 8800 Fax: 01761 861 3818  
Email: info@watermanmoylan.ie www.watermanmoylan.ie

**CLIENT**  
KINNEST LTD.

**ARCHITECT**  
CONROY CROWE KELLY ARCHITECTS

**PROJECT**  
AUBURN,  
MALAHIDE,  
CO. DUBLIN

**TITLE**  
WATERMAIN GENERAL ARRANGEMENT

DRAWN	DESIGNED	APPROVED	DATE
PJD	MD	MD	APR 20
SCALE	JOB NO.	DRG. NO.	REVISION
1:1000 @ A1	19-020	P300	A

© 2019 Waterman Moylan Engineering Consultants. All rights reserved. This drawing is the property of Waterman Moylan Engineering Consultants and is not to be reproduced without the written consent of Waterman Moylan Engineering Consultants.