

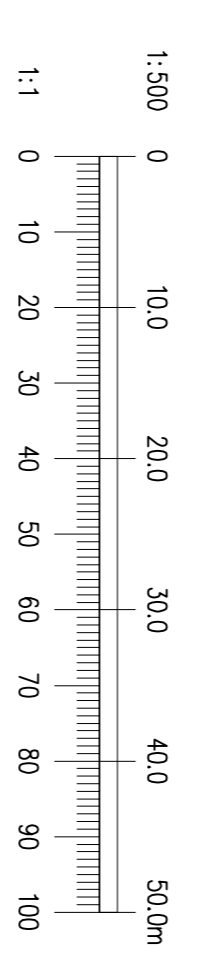
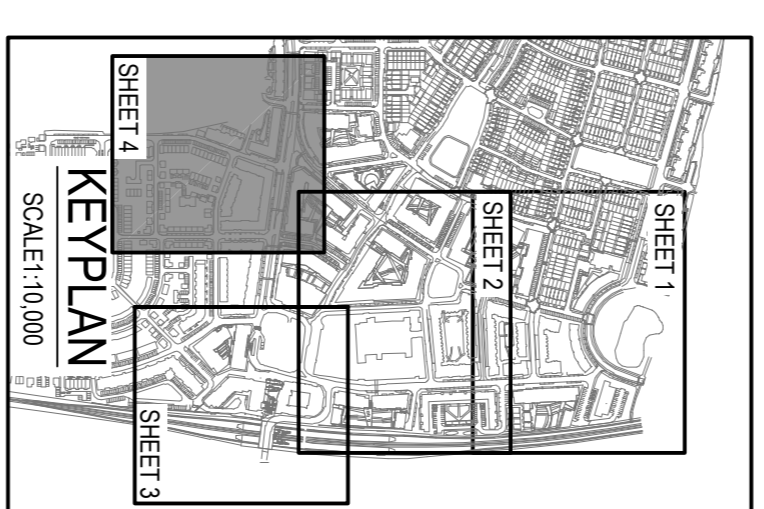
**LEGEND:**

WM	EXISTING TRUNK WATERMAIN
WM	EXISTING WATERMAIN & PIPE SIZE
SW	EXISTING SURFACE WATER PIPE
EX SV	EXISTING SLUICE VALVE
EX H	EXISTING HYDRANT
EX H	EXISTING DUCK FOOT HYDRANT
HP	PROPOSED 250 <sup>Ø</sup> HDPE WATERMAIN
HP	PROPOSED HDPE WATERMAIN & PIPE SIZE
H	PROPOSED HYDRANT
SV	PROPOSED SLUICE VALVE
SV	PROPOSED SCOUR VALVE
A	PROPOSED ABRAJALVE
BM	PROPOSED BULK WATER METER TO IRISH WATER REQUIREMENTS
LP 7.30	INDICATES ROAD LOW POINT
HP 7.33	INDICATES ROAD HIGH POINT
●	INDICATES NEW SURFACE WATER MANHOLE TO BE BUILT OPPOSITE SCOUR VALVE



**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 (HDPE, HDPEOR HPPE). ALL PLASTIC WATER PIPES SHALL BE BLUE IN COLOUR.
4. ALL SERVICE CONNECTIONS TO BE 25<sup>Ø</sup> 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 RATING.
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 MILD STEEL REINFORCED LINKS AND SHALL HAVE BUILT-IN FINISH AROUND ITS EXTERNAL PERIMETER.
9. THRUST BLOCKS SHALL BE PROVIDED AT EACH BEND ALONG THE COURSE OF THE WATERMAIN.
10. PLAYING 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 WEB SITE AT [WWW.WATER.E/CONNECTIONS/DEVELOPER-SERVICES/](http://WWW.WATER.E/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.
13. FOR APARTMENT OR SIMILAR PROPERTIES 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 WATER CODE OF PRACTICE.



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REV.	DATE	AMENDMENT	DRN	APPD
A	17/09/19	REVISED FOR FINAL SUBMISSION	PJD	MD

**FOR PLANNING  
NOT FOR CONSTRUCTION**

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**CLIENT** GERARD GANNON PROPERTIES  
**ARCHITECT** CONROY CROWE KELLY  
**PROJECT** CLONGRIFIN SHD APPLICATION 1

DATE	APPROVED
NOV 18'	MD
DESIGNED	PJD
JOB NO.	18-059
SCALE	1:500 @ A1
PRG. NO.	17304
REVISION	A

**TITLE**  
WATERMAIN LAYOUT  
SHEET 4 OF 4