



WATERMAIN LEGEND:

- SITE BOUNDARY
- WATERMAIN - UNDER CONSTRUCTION (INFRASTRUCTURE BY OTHERS)
- PROPOSED WATERMAIN
- PROPOSED SLUICE VALVE TO IRISH WATER DETAIL STD-W-15
- PROPOSED SCOUR VALVE
- PROPOSED AIR VALVE TO IRISH WATER DETAIL STD-W-22
- PROPOSED HYDRANT TO IRISH WATER DETAIL STD-W-18
- PROPOSED BULK METER TO IRISH WATER DETAIL STD-W-26
- PROPOSED BOUNDARY BOX (APARTMENT BLOCK METER) TO IRISH WATER DETAIL STD-W-03
- THRUST BLOCK AS PER IRISH WATER STANDARD DETAIL STD-W-28

NOTES:

- ALL PIPE WORK, VALVES, CHAMBERS, NETWORK ARRANGEMENTS AND ALL ASSOCIATED WATERMAIN WORKS TO COMPLY WITH THE IRISH WATER INFRASTRUCTURE STANDARD DETAILS.
- ALL NEW WATERMAIN MATERIAL SHALL BE IN ACCORDANCE WITH SECTION 3.9 OF THE IRISH WATER CODE OF PRACTICE. MORE PIPES SHALL BE OF A TYPE 80-80 AND HAVE AN 80-11 RATING. THEY SHALL CONFORM TO IS EN 12201, PART 1, CLASSE 2 AND PART 3.
- THE PROPOSED 150mm WATERMANS WILL BE LOCATED A MINIMUM OF 300mm FROM THE WATERMAIN INFRASTRUCTURE IN ACCORDANCE WITH SECTION 3.3.18 OF THE IRISH WATER CODE OF PRACTICE AND TYPICAL SERVICES LAYOUT DISTANCES (HORIZONTAL AND VERTICAL) SHALL BE AS PER IRISH WATER STANDARD DETAIL STD-W-1.
- ALL PRESSURE TRENCHING WORKS TO BE TAKEN IN CHARGE TO IRISH WATER CODE OF PRACTICE SECTION 4.10.
- MANHOLE CHAMBERS WILL BE PROVIDED TO PROVIDE A MINIMUM OF 300mm FROM THE APARTMENT BLOCK AND THAT EACH DWELLING UNIT HAVE ITS OWN SUPPLY PIPE AND METER AND STOP VALVE. ALL METERS IN THE MANHOLE SHALL BE TAGGED TO INDICATE WHICH PROPERTY IS SUPPLIED AND ANY UNLIDED OUTLETS WILL BE BALANCED OFF IN ACCORDANCE WITH SECTION 3.3.13 OF THE IRISH WATER CODE OF PRACTICE.
- BULK METERS SHALL COMPLY WITH SECTION 3.3.5.4 OF THE IRISH WATER CODE OF PRACTICE FOR WATER INFRASTRUCTURE.
- EACH HOUSE SHALL HAVE AN INDIVIDUAL CONNECTION WITH BOUNDARY BOX AS PER SECTION 3.3.5.2 OF THE IRISH WATER CODE OF PRACTICE FOR WATER INFRASTRUCTURE. IN SOME CASES THE HOUSE SERVICE CONNECTION IS GREATER THAN 15m IN LENGTH. A SERVICE CONNECTION OF 32mm TO BE USED IN LOCATIONS WHERE THE SERVICE CONNECTION IS GREATER THAN 15m IN LENGTH, FOLLOWING APPROVAL FROM IRISH WATER.
- THE PROPOSED WATERMANS WILL BE LOCATED A MINIMUM OF 300mm FROM THE WATERMAIN INFRASTRUCTURE IN ACCORDANCE WITH SECTION 3.3.18 OF THE IRISH WATER CODE OF PRACTICE.
- WATERMAIN T-JUNCTIONS SHALL BE AT 90 DEGREE ANGLES AS PER IRISH WATER DETAIL STD-W-07.
- THRUST BLOCKS TO BE PROVIDED AT DEAD ENDS, BENDS, TEE JUNCTIONS, VALVE CHAMBERS (AS PER DETAILS) OR ANY ABBREVIATION IN VERTICAL OR HORIZONTAL DIRECTION AND AT ANY LOCATION WHERE WATER PRESSURE IS LIKELY TO EXCEED THE PIPE LINE INSTALLATION OR CAUSE DISPROPORTIONATE MOVEMENT. THRUST BLOCKS TO BE IN ACCORDANCE WITH SECTION 4.9 OF THE IRISH WATER CODE OF PRACTICE AND IRISH WATER STANDARD DETAIL STD-W-28.
- ALL NEW PLANTING OF TREES, SHRUBS ETC. TO BE IN STRICT ACCORDANCE WITH THE IRISH WATER STANDARD DETAIL STD-W-12A. ANY PROPOSED WATERMAIN LOCATED IN PROXIMITY TO EXISTING TREES SHALL BE IN ACCORDANCE WITH STANDARD IRISH WATER DETAIL STD-W-12.
- SCOUR VALVE TO BE LOCATED AT SITE LOW POINT. THE SCOUR CHAMBER IS TO BE PROVIDED WITH A NON-RECYCLABLE VALVE TO PREVENT BACK FLOW IN THE WATER SUPPLY NETWORK AND AGREED WITH THE LOCAL AUTHORITY. SCOUR VALVE AND CHAMBER TO COMPLY WITH SECTION 3.3.6.4 AND 3.2.7 OF THE IRISH WATER CODE OF PRACTICE.
- NOTE: THE FIRE SAFETY CERTIFICATE HAS NOT BEEN COMPLETED YET, BUT AS PART OF THIS DEVELOPMENT, IT IS CONFIRMED THAT HYDRANTS SHALL NOT BE LOCATED ANY MORE THAN 60m FROM ANY PART OF THE DEVELOPMENT UNITS.
- INDICATOR AND MARKER POSTS TO BE PROVIDED AT ALL CHAMBERS AS PER SECTION 3.3.23 OF THE IRISH WATER CODE OF PRACTICE FOR WATER.
- ALL HYDRANTS TO BE IN COMPLIANCE WITH SECTION 3.3.25 OF THE IRISH WATER CODE OF PRACTICE FOR WATER.
- 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 ASPHALTIC SIZE AND BEDDED IN CLAUDE BSA MATERIAL. THE PLINTH SHALL ACCOMMODATE WELD STEEL. NONPNEUMATIC LIDS AND SHALL HAVE A BULL-NOSE TYPED AROUND ITS EXTERNAL PERIMETER AS PER SECTION 3.16 OF WATER CODE OF PRACTICE.

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- NOTES**
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Rev. No.	Date	REVISION NOTE
P1	10.01.2025	DRAFT Issue to DMR Coordinator
P2	21.02.2025	DRAFT Issue to DMR Coordinator
P3	24.02.2025	DRAFT Planning Pack
P4	12.03.2025	Issued for Irish Water Design Acceptance
P5	24.03.2025	Updated to IRI B20A comments
P6	31.03.2025	Issued for Planning
P7	03.04.2025	Issued for Planning

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DTA	
Kishoge Part 10 Application	
Site 4	
Proposed Watermain Layout	
KSG4-CSC-XX-XX-DR-C-0003	
Date	09/04/25
Drawn By	SC
Checked By	JF
Project	OS
Scale	1:500 @A0
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Quality
15 EN ISO 9001:2008
15 EN ISO 14001:2004
15 EN ISO 45001:2011
Health & Safety
CHAS 1801:2007