



KISHOGE COMMUNITY COLLEGE

LEGEND:

- SITE BOUNDARY
- PROPOSED WATERMAIN
- EXISTING PE 100 WATERMAIN
- 180mm OD PE 100 WATERMAIN TO BE INSTALLED BY OTHERS AS PART OF REGISTER REFERENCE SDZ24A/0033W
- 225mm OD PE 100 WATERMAIN TO BE INSTALLED BY OTHERS AS PART OF REGISTER REFERENCE SDZ24A/0033W
- 400mm OD PE 100 WATERMAIN TO BE INSTALLED BY OTHERS AS PART OF REGISTER REFERENCE SDZ24A/0033W
- PROPOSED HYDRANT
- PROPOSED SLUICE VALVE
- PROPOSED AIR VALVE
- PROPOSED SCOUR VALVE & CHAMBER
- PROPOSED METER
- PROPOSED TYPICAL BOUNDARY BOX LOCATION
- EXISTING HYDRANT
- EXISTING SLUICE VALVE

GENERAL NOTES:

- ALL WATER INFRASTRUCTURE DETAILS AND CONSTRUCTION TO BE IN ACCORDANCE WITH THE FOLLOWING IRISH WATER DOCUMENTATION:
  - IR-CDS-5020-01: STANDARD DETAILS
  - IR-CDS-5020-03: CODE OF PRACTICE
- PIPE SPECIFICATION:
  - MAIN SIZE: 100mm Ø NOMINAL (INTERNAL) BORE (UNLESS SPECIFIED OTHERWISE: 25mm OUTSIDE Ø 20mm INTERNAL Ø
  - SERVICE CONNECTION: HDPE or MDPE (PE80) PE-80 (UNLESS SPECIFIED OTHERWISE)
  - MATERIAL: SDR-17 IS EN 12201, Part 1, 2 & 3 900mm (MAIN) 750mm (SERVICE CONNECTION)
  - RATING: 12.5
  - COMPLIANCE: 12.5
  - DEPTH OF COVER: 750mm (MAIN) 600mm (SERVICE CONNECTION)
- BULK WATER METER WITH SMS/IGPRS TELEMETRY DATALOGGER WITH CAPABILITY TO RECORD FLOW AND PRESSURE AT REGULAR INTERVALS. LOCATED IN AN ADJOINING KIOSK SHALL BE PROVIDED TO IRISH WATERS REQUIREMENTS
- DEPTH OF COVER TO THE EXTERNAL CROWN OF A WATERMAIN SERVICE PIPE SHALL BE:
  - 4.1. 900mm WHERE LOCATED WITHIN HOUSING ESTATE ROADS OR VERGES
  - 4.2. 750mm WHERE BELOW FOOTPATHS
  - 4.3. 600mm FOR SHORT DISTANCES (TO BE AGREED WITH IRISH WATER)
- ALL SERVICE CONNECTIONS SHALL INCLUDE THE INSTALLATION OF AN APPROVED BOUNDARY BOX WITH INTEGRAL STOP COCK
- ALL PIPE FITTINGS TO BE IN ACCORDANCE WITH THE GUIDELINES SET OUT IN THE IRISH WATER CODE OF PRACTICE DOCUMENT
- A SUITABLE AIR VALVE SHALL BE INSTALLED CLOSE TO THE HIGH POINT OF THE WATERMAIN SYSTEM. THE VALVE SHALL BE CAPABLE OF AUTOMATICALLY RELEASING ACCUMULATED AIR/GAS FROM THE SYSTEM
- HYDRANTS SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF TECHNICAL GUIDANCE DOCUMENT B (FIRE SAFETY). FIRE FLOW SHALL BE MIN 20 LITERS PER SECOND AT EACH HYDRANT
- A SCOUR VALVE SHALL BE INSTALLED, DISCHARGING TO A SCOUR CHAMBER IN ACCORDANCE WITH STD-W-308. WHERE CHLORINE IS PRESENT IN THE POTABLE WATER AND/OR JETTING MEDIUM, THE SCOUR CHAMBER SHALL DISCHARGE TO THE FOUL MAINS IN ACCORDANCE WITH THE REQUIREMENTS IN THE GREATER DUBLIN REGION COP FOR DRAINAGE WORKS
- CE CERTIFICATION TO BE PROVIDED FOR ALL PRODUCTS COVERED BY THE EU CONSTRUCTION PRODUCTS REGULATION (NO.305/2011-CPR)
- ALL MATERIALS PROPOSED FOR USE ON SITE TO BE APPROVED PRIOR TO ARRIVAL ON SITE
- REROOT 2000 (O.S.A) ROOT BARRIERS TO BE PROVIDED WHERE REQUIRED. ROOT BARRIER SHOULD EXTEND 300mm BELOW INVERT LEVEL OF PIPE. RIBBED SIDE OF THE BARRIER MUST FACE TOWARD THE TREE PIT. AS PER STD-W-12A, PIPES WITHIN 3m OF TREES MUST BE PROTECTED WITH ROOT BARRIERS
- MINIMUM 35% FLOW REQUIRED FROM HYDRANT FOR FIRE FIGHTING PURPOSES AT MULTI-OCCUPIED HOUSING DEVELOPMENTS AS PER "NATIONAL GUIDANCE DOCUMENT FOR THE PROVISION OF WATER FOR FIRE FIGHTING - WATER UK 3rd EDITION". HYDRANTS TO BE TESTED ON COMPLETION OF WATERMAIN. TANK TO BE SIZED BASED ON WATER PRESSURE WITHIN THE NEW NETWORK. IF 35% IS ACHIEVED, STATIC WATER MAY NOT BE REQUIRED SUBJECT TO AGREEMENT WITH THE LOCAL AUTHORITY.

DRAWING NO:	DRAWING TITLE
STD-W-01	WATER SERVICE CONNECTION RESPONSIBILITY
STD-W-03	CUSTOMER CONNECTION AND BOUNDARY BOX (25mm OD pipe)
STD-W-04 - 10	GENERAL PIPE CONNECTIONS
STD-W-11	SERVICE LAYOUT INDICATING SEPARATION DISTANCES
STD-W-12A	RESTRICTIONS ON NEW TREES/SHRUBS ADJACENT TO MAINS
STD-W-13	TRENCH BEDDING AND BACKFILL
STD-W-15	SLUICE VALVE FOR PE PIPE
STD-W-18	ON-LINE HYDRANT FOR PE PIPE
STD-W-22	ON-LINE AIR VALVE FOR PE PIPE
STD-W-27	MARKER POSTS/PLATES
STD-W-28	WATERMAIN THRUST AND SUPPORT BLOCKS
STD-W-29	DUCT CHAMBER
STD-W-308	SCOUR CHAMBER TO STORM SEWER ARRANGEMENTS
STD-W-35	PIPE REPAIR TO EXISTING MAINS
STD-W-42-43	WATER SERVICES SEPERATION DETAILS

Client

General Notes

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(iv) Information including topographical survey, geotechnical investigation and utility detail used in the design have been provided by others.

(v) All Levels refer to Ordnance Survey Datum, Malin Head.

S5 P02	26.02.25	DL	ISSUE FOR PLANNING	✓
S5 P01	10.02.25	DL	ISSUE FOR PLANNING	✓
Rev	Date	Dn Ck	Amendment / Issue	App

Scale	1/500 @ A1 1/1000 @ A3	Project	KISHOGE PART 10 APPLICATION	
Created on	01.09.24	Title	SITE 5 KSG5A PROPOSED WATERMAIN LAYOUT	
Sheets	1 of 1	File Identifier	KSG5-RPS-KSG5A-XX-DR-C-21041.dwg	Status
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				Rev
				P02

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