Approved: LS
Checked: SG
Designer: KM
Project Management Initials:

PROPOSED 100Ømm SERVICE CONNECTION AND BULK WATER METER FLOW TO WATER TANK ROOM. DISTRIBUTION PIPEWORK TO M&E CONSULTANTS DESIGN AND IN ACCORDANCE WITH BUILDING CONTROL AUTHORITY'S REQUIREMENTS.

PROPOSED ON-LINE HYDRANT AS PER UISCE ÉIREANN STANDARD DETAIL STD-W-18

Ø100mm NB HDPE WATERMAIN

Ø150mm NB HDPE WATERMAIN

PROPOSED SCOUR VALVE TO BE PROVIDED AS PER UISCE ÉIREANN STANDARD DETAIL STD-W-30B TO DISCHARGE INTO NEAREST SURFACE WATER MANHOLE

PROPOSED SURFACE WATER MANHOLE

PROPOSED ON-LINE HYDRANT AS PER UISCE ÉIREANN STANDARD DETAIL STD-W-18

PROPOSED 100Ømm SERVICE CONNECTION AND BULK WATER METER FLOW TO WATER TANK ROOM. DISTRIBUTION PIPEWORK TO M&E CONSULTANTS DESIGN AND IN ACCORDANCE WITH BUILDING CONTROL AUTHORITY'S REQUIREMENTS.

PROPOSED ON-LINE HYDRANT AS PER UISCE ÉIREANN STANDARD DETAIL STD-W-18

Ø100mm NB HDPE WATERMAIN

PROPOSED ON-LINE HYDRANT AS PER UISCE ÉIREANN STANDARD DETAIL STD-W-18

PROPOSED SCOUR VALVE TO BE PROVIDED AS PER UISCE ÉIREANN STANDARD DETAIL STD-W-30B TO DISCHARGE INTO NEAREST SURFACE WATER MANHOLE

SCV

PROPOSED SURFACE WATER MANHOLE

PROPOSED WATERMAIN LOOP IN ACCORDANCE WITH UISCE ÉIREANN STANDARD DETAIL REF. STD-W-39

PROPOSED ON-LINE HYDRANT AS PER UISCE ÉIREANN STANDARD DETAIL STD-W-18

Ø100mm NB HDPE WATERMAIN

PROPOSED ON-LINE HYDRANT AS PER UISCE ÉIREANN STANDARD DETAIL STD-W-18

Ø100mm NB HDPE WATERMAIN

PROPOSED SURFACE WATER MANHOLE

PROPOSED SCOUR VALVE TO BE PROVIDED AS PER UISCE ÉIREANN STANDARD DETAIL STD-W-30B TO DISCHARGE INTO NEAREST SURFACE WATER MANHOLE

PROPOSED ON-LINE HYDRANT AS PER UISCE ÉIREANN STANDARD DETAIL STD-W-18

PROPOSED ON-LINE HYDRANT AS PER UISCE ÉIREANN STANDARD DETAIL STD-W-18

PROPOSED AIR VALVE TO BE PROVIDED AS PER UISCE ÉIREANN STANDARD DETAIL STD-W-22

3.275m
3.235m
3.100m
5.200m
1.65m
3m
1.65m

LEGEND

- PROPOSED SITE BOUNDARY.....
- PROPOSED HDPE WATERMAIN..... WM
- PROPOSED PRIVATE WATERMAIN CONNECTION.....
- EXISTING WATERMAIN..... EXST_WM
- EXISTING FIRE HYDRANT.....
- PROPOSED SLUICE VALVE..... SV
- PROPOSED FIRE HYDRANT WITH 6m BUILDING CLEARANCE AND 46m HYDRANT COVERAGE..
- PROPOSED SCOUR VALVE..... ScV
- PROPOSED AIR VALVE..... AV
- PROPOSED BULK METER..... M

A **PROPOSED WATERMAIN LAYOUT SHEET 1 OF 2**

002701

Scale: 1:500

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PROJECT

SDCC RATHCOOLE

CLIENT

SOUTH DUBLIN COUNTY COUNCIL

CONSULTANT

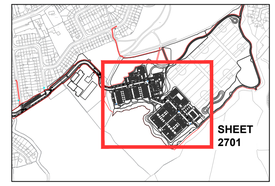
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NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTURAL AND ENGINEERING DRAWINGS, ANY DISCREPANCIES, ERRORS OR OMISSIONS TO BE BROUGHT TO THE ATTENTION OF THE DESIGNER.
2. ALL DIMENSIONS TO BE CHECKED BY THE CONTRACTOR ON SITE PRIOR TO COMMENCEMENT OF WORKS.
3. AECOM LIMITED TO BE INFORMED BY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO THE COMMENCEMENT OF WORKS ON SITE.
4. DIMENSIONS OF ALL BOUNDARIES AND ADJOINING ROADS TO BE CHECKED ON SITE PRIOR TO COMMENCEMENT OF WORKS.
5. DO NOT SCALE, ALL MEASUREMENTS AND COORDINATES TO BE CHECKED ON SITE.
6. THE DEVELOPMENT SHALL HAVE A BULK WATER METER (EXACT LOCATION TO BE AGREED WITH IRISH WATER) IN ACCORDANCE WITH IRISH WATER CODE OF PRACTICE SECTION 3.15.4.
7. EACH HOUSE UNIT SHALL HAVE AN APPROVAL BOUNDARY BOX (REFER TO APPENDIX A OF THE IRISH WATER CODE OF PRACTICE FOR WATER INFRASTRUCTURE) WITH INTEGRAL STOPCOCK AND SUITABLE FOR THE RECEPTION OF A WATER METER (REFER TO IRISH WATER CODE OF PRACTICE FOR WATER INFRASTRUCTURE SECTION 3.14).
8. ALL PROPERTIES SHALL HAVE METERS INSTALLED INTERNALLY WITHIN THE PREMISES IN ACCORDANCE WITH THE BUILDING CONTROL AUTHORITY'S REQUIREMENTS AND SUBJECT TO REVIEW BY IRISH WATER AS PER IRISH WATER CODE OF PRACTICE FOR WATER INFRASTRUCTURE SECTION 3.15.2.
9. ALL PROPOSED WATERMAIN PIPEWORK TO BE HDPE WITH MINIMUM PE80 RATING IN ACCORDANCE WITH IRISH WATER CODE OF PRACTICE FOR WATER INFRASTRUCTURE.
10. THE MINIMUM PIPE DIAMETER PROPOSED IS 100mm.
11. ALL WATERMAINS WILL HAVE A MINIMUM COVER OF 900mm. ALL SERVICE PIPES CONNECTING PROPERTIES WILL HAVE MINIMUM COVER OF 750mm.
12. HYDRANTS SHALL BE DOUBLE FLANGED DRILLED TO PN16 AND SHALL COMPLY WITH BS EN 14339, IS EN 1074 PART 6 AND 135 750. REFER TO IRISH WATER CODE OF PRACTICE FOR WATER INFRASTRUCTURE SECTION 3.16.5.
13. SLUICE VALVES HAVE BEEN PROVIDED SO THAT INDIVIDUAL SECTIONS CAN BE ISOLATED & WILL COMPLY TO BS 5163. THE DEPTH OF THE SLUICE VALVE SPINDLE CAP BELOW FINISHED GROUND WILL NOT EXCEED 300mm.
14. ALL WATERMAIN DETAILS TO BE IN ACCORDANCE WITH THE IRISH WATER INFRASTRUCTURE STANDARD DETAILS AND CODE OF PRACTICE FOR WATER INFRASTRUCTURE.
15. PROPOSED COMMERCIAL UNITS TO BE SERVED BY A PRIVATE SERVICE CONNECTION AND BULK FLOW METER IN ACCORDANCE WITH STD-W-26 AND SECTION 3.15.3 OF THE IRISH WATER CODE OF PRACTICE.

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PLANNING

KEY PLAN



ISSUE/REVISION

1	09.10.2026	PLANNING ISSUE
0	07.08.2026	PLANNING ISSUE
I/R	DATE	DESCRIPTION

PROJECT NUMBER

60739527

SHEET TITLE

PROPOSED WATERMAIN LAYOUT SHEET 1 OF 2

SHEET NUMBER

RATH-ACM-XX-00-DR-C-002701