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

LEGEND

- PROPOSED WORKS BOUNDARY .....
- EXISTING FOUL WATER SEWER..... EX_FW
- EXISTING SURFACE WATER SEWER.... EX_SW
- PROPOSED FOUL WATER SEWER..... FW
- PROPOSED SURFACE WATER SEWER SW
- PROPOSED 150mm Ø FOUL WATER RISING MAIN.....
- PROPOSED ATTENUATION BASIN.....
- PROPOSED PERMEABLE PAVING.....
- PROPOSED BIORETENTION RAIN GARDEN.....
- PROPOSED GRASSCRETE.....
- PROPOSED SOFT LANDSCAPING.....

PROPOSED HYDRO-BRAKE OUTFLOW CONTROL DEVICE LIMITING THE SITE DISCHARGE TO A RATE OF 13.5l/s

PROPOSED ATTENUATION BASIN (POND 4) 1.5m DEEP TO PROVIDE ATTENUATION STORAGE VOLUME OF CIRCA 947m³

PROPOSED ATTENUATION BASIN (POND 3) 1.3m DEEP TO PROVIDE ATTENUATION STORAGE VOLUME OF CIRCA 71m³

PROPOSED ATTENUATION BASIN (POND 2) 1m DEEP TO PROVIDE ATTENUATION STORAGE VOLUME OF CIRCA 181m³

PROPOSED ATTENUATION BASIN (POND 1) 1m DEEP TO PROVIDE ATTENUATION STORAGE VOLUME OF CIRCA 239m³

EX FMH1
CL: 122.730
IL: 121.560

PROPOSED 225mm Ø FOUL WATER PIPE FL1.010 TO OUTFALL TO EXISTING FOUL MANHOLE EX.FMH1 AT IL: 121.560

PROPOSED STAND-OFF MANHOLE FL24 TO BE INSTALLED AS PER UISCE ÉIREANN STANDARD DETAIL STD-WW029 UPSTREAM OF PROPOSED FOUL WATER OUTFALL CONNECTION TO EXISTING FOUL MANHOLE
CL: 122.20
IL: 121.600

PROPOSED 150mm Ø FOUL WATER RISING MAIN TO BE INSTALLED FROM PROPOSED WWPS OUTFALLING TO THE EXISTING FOUL WATER GRAVITY NETWORK IN BEECHWOOD LAWNS

PROPOSED RISING MAIN TO CROSS EXISTING STREAM VIA EXISTING BRIDGE OR BELOW STREAM IN ACCORDANCE WITH UISCE ÉIREANN STD DWG STD-WW-22

PROPOSED SURFACE WATER OUTFALL TO EXISTING COOLMINE STREAM. EXACT OUTFALL LOCATION TO BE DETERMINED AND AGREED WITH INLAND FISHERIES IRELAND. SCOUR PROTECTION TO BE PROVIDED AT OUTFALL TO MINIMISE THE RISK OF EROSION

INDICATIVE EXTENTS OF PROPOSED WASTEWATER PUMPING STATION (WWPS) WITH AN EMERGENCY STORAGE PROVISION OF 54.35m³.

TYPE 3 WWPS TO BE INSTALLED AS PER UISCE ÉIREANN GUIDELINES TO CATER FOR DEMAND REQUIREMENTS GENERATED FROM 126 UNITS

WWPS TO ADHERE TO A MINIMUM SEPARATION DISTANCE OF 15m FROM PROPOSED BUILDINGS AS PER UISCE ÉIREANN REQUIREMENTS

PROPOSED FOUL WATER NETWORK TO OUTFALL VIA GRAVITY TO PROPOSED FOUL WATER MANHOLE FL23.

C	INSET C
000501	Scale: 1:500

A	PROPOSED DRAINAGE LAYOUT SHEET 1 OF 2 - INSET A
000501	Scale: 1:500

B	PROPOSED DRAINAGE LAYOUT SHEET 1 OF 2 - INSET B
000501	Scale: 1:500

NOTE
1. ROAD GULLIES TO BE POSITIONED AT LOW POINTS ALONG ROADWAYS AND AT INTERVALS SUCH THAT CATCHMENTS ARE NO GREATER THAN 200m². NO GULLIES TO BE POSITIONED IN FRONT OF TREE PITS.

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AECOM

PROJECT

SDCC RATHCOOLE

CLIENT

SOUTH DUBLIN COUNTY COUNCIL

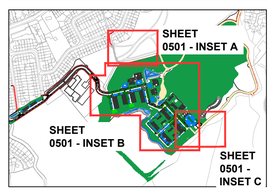
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NOTES

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. EXISTING SERVICES INFORMATION ON THIS DRAWING HAS BEEN BASED ON THE TOPOGRAPHICAL SURVEY FOR THE SITE CARRIED OUT BY MURPHY GEOSPATIAL ON 28/08/2025.
7. THE LOCATION & DEPTH OF SERVICES TO BE CHECKED ON SITE PRIOR TO COMMENCING ANY WORKS.
8. MANHOLE COVERS AND FRAMES IN PUBLICLY ACCESSIBLE AREAS SHALL BE HEAVY DUTY CAST IRON CLASS D400, DOUBLE SEALED AND LOCKABLE TYPE COMPLYING WITH BS EN 124:2015.
9. GULLY GRATINGS & FRAMES SHALL COMPLY WITH BS EN 124:2015.
10. EXISTING INVERT LEVELS TO BE VERIFIED ON SITE BEFORE COMMENCING CONSTRUCTION.
11. SURFACE WATER & FOUL SEWER PIPES LESS THAN 1.2m BELOW THE ROAD SURFACE OR LESS THAN 0.9m IN NON-TRAFFICKED FOOTPATHS AND LANDSCAPE AREAS (WITH AN ABSOLUTE MINIMUM DEPTH OF COVER ABOVE THE EXTERNAL CROWN OF THE PIPE Ø750mm) SHALL BE PROTECTED FROM DAMAGE BY PROVIDING MINIMUM 150mm THICK CONCRETE C16/20 HAUNCH IN ACCORDANCE WITH IS EN 12620.
12. ATTENUATION PROPOSALS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL AUTHORITY.
13. CCTV SURVEY TO BE CONDUCTED PRIOR TO COMMENCEMENT OF ANY WORKS TO DETERMINE THE CONDITION AND VERIFY LEVELS OF THE EXISTING FOUL AND SURFACE WATER PIPES/ MANHOLES. ANY SUB-STANDARD OR DEFECTIVE ELEMENTS OF THE EXISTING PIPES/MANHOLES TO BE REPORTED AND CORRECTED.
14. ALL SURFACE WATER DRAINAGE DETAILS TO BE IN ACCORDANCE WITH THE GREATER DUBLIN STRATEGIC DRAINAGE STUDY AND THE GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS.
15. ALL FOUL WATER DETAILS TO BE IN ACCORDANCE WITH THE UISCE ÉIREANN INFRASTRUCTURE STANDARD DETAILS AND CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE.

KEY PLAN



AECOM
PLANNING

ISSUE/REVISION

I/R	DATE	DESCRIPTION
2	09.10.2026	PLANNING ISSUE
1	10/08/2026	PLANNING ISSUE
0	07/07/2026	ISSUE FOR COORDINATION

PROJECT NUMBER

60739527

SHEET TITLE

PROPOSED DRAINAGE LAYOUT
SHEET 1 OF 2

SHEET NUMBER

RATH-ACM-XX-00-DR-C-000501

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