



- NOTES**
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ENGINEERS & ARCHITECTS DRAWINGS FIGURED DIMENSIONS ONLY (NOT SCALING) TO BE USED. WHERE A CONFLICT OF INFORMATION EXISTS OR IF IN ANY DOUBT - ASC.
 - CONSULTANTS TO BE INFORMED IMMEDIATELY OF ANY DISCREPANCIES BEFORE WORK PROCEEDS.
- CIVIL LEGEND**
- 1.2x1.2m² 600mm DEEP MANHOLE WITH FULL OPEN GRATING TO ALLOW FOR OVERLAND FLOW. PROVIDE 1.2m LONG KERB BREAKOUT IF THE MANHOLE IS LOCATED OFF THE ROAD EDGE
 - NOTES 1.5m LONG BREAK IN KERB TO ALLOW FOR OVERLAND FLOW FROM A ROAD INTO AN ADJOINING SOFT LANDSCAPED AREA
 - 200mm DIAMETER x 200mm DEEP STONE FILLED SOAKAWAY
 - BIO-RETENTION AREA
 - TREE PIT
 - RAISED CROSSING ACTS AS A BARRIER TO OVERLAND FLOW
 - LOCAL COLLECTION OF WATER IN THE ROAD CONSTRAINED BY THE KERBS. INFILTRATION THROUGH PERMEABLE PAVING.
 - BURIED ATTENUATION TANK

ISSUE	DATE	DESCRIPTION	BY
P5	16.09.24	ISSUED FOR PLANNING	WK
P4	05.09.24	ISSUED FOR COMMENT	WK
P3	19.08.24	SURFACE WATER AUDIT ISSUE	WK
P2	10.07.24	ISSUED TO LGA FOR COMMENT	WK
P1	06.06.24	ISSUED FOR COMMENT	WK

Project Engineer: POD Project Director: JPC

PLANNING

BM
Barrett Mannery
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ACEI
The Institution of Structural Engineers

APPLICANT: DÚN LAOGHAIRE-RATHDOWN COUNTY COUNCIL
LAND DEVELOPMENT AGENCY

PROJECT TITLE: PROPOSED PART 10 RESIDENTIAL DEVELOPMENT, DUNDURUM CENTRAL DEVELOPMENT, DUNDURUM ROAD, DUBLIN 14. BM PROJECT NO: 20.170

DRAWING REFERENCE: DCD-BMD-00-00-DR-C-11025 STATUS: REVISION: P5

* NOTE: THESE ROUTES APPLY IN THE UNLIKELY EVENT OF A FULL SCALE BLOCKAGE OR BLOCKAGES IN THE SURFACE WATER DRAINAGE SYSTEM

PLAN LAYOUT - OVERLAND SURFACE WATER FLOW ROUTES*

WATER CAN INFILTRATE BURIED STONE FILLED ATTENUATION TANK VIA PERMEABLE PAVING

CYCLE AND PEDESTRIAN ACCESS TO ROSEMOUNT GREEN

CYCLE AND PEDESTRIAN ACCESS TO ANNVILLE PARK

LOCAL WATER FLOWS ONLY INTO THE BASEMENT. PONDING IN BASEMENT DRAINAGE VIA PUMPED BASEMENT DRAINAGE SYSTEM.

FLOW INTO THE BIORETENTION AREA WILL FLOW ON TO THE ATTENUATION TANK

SHARED SURFACE. 250mm KERB ONLY ON SHARED SURFACE. ANY OVERLAND FLOWS WILL DRAIN INTO ADJACENT AREA.

EXISTING DRAINAGE CYCLE ALONG REAR OF THE WALL TO BE REPLACED BY BURIED STONE FILLED PIPE LAND DRAIN

PUMPING STATION LEVEL SET 150mm MINIMUM ABOVE SURROUNDING GROUND LEVEL

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NOTE: ADJACENT RAISED TABLE ACTS AS A FLOW BARRIER 'X' & DIRECTS WATER INTO OPEN GRATE MANHOLE 'K'. THESE KERBS WILL BE OMITTED AT THE MANHOLE LOCATION.

GRADED CHANNEL ACROSS FOOTPATH / CYCLEWAY DISCHARGES INTO THE ADJACENT BIO-RETENTION AREA ATTENUATION TANK

HIGH LEVEL OVERFLOW PIPE FROM THE PERMEABLE PAVING AREA TO TANK 'C'

HIGH LEVEL OVERFLOW PIPE FROM THE PERMEABLE PAVING AREA TO THE DEPRESSION

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