



PROPOSED SWALE
40m(l) x 1.5m(w) x 0.2m(d)
BASE WIDTH 300mm
SIDE SLOPE 1:3

SWALE TO DISCHARGE VIA INFILTRATION

RAINGARDEN TO DISCHARGE VIA INFILTRATION

RAINGARDEN SOIL DEPTH 450mm
OVER 50mm TRANSITION LAYER
OVER 150mm LAYER OF CRUSHED STONE
CL 54.79
IL 54.14

BICYCLE STORAGE,
PERMEABLE
SURFACING 73m2
CL 54.68
IL 54.10

SEATING AREA & FOOTPATH,
PERMEABLE SURFACING 134m2
CL 54.81
IL 54.23

CAR PARK,
PERMEABLE
ASPHALT 474m2
CL 54.79
IL 54.21

ALL PERMEABLE SURFACING TO DISCHARGE VIA INFILTRATION. SUBBASE THICKNESS 450mm TO ACCOMMODATE 100 YEAR STORM EVENT +20% CC. BASED ON ESTABLISHED ON-SITE INFILTRATION RATE OF 3.67x10⁻⁶m/s.

SEATING AREA,
PERMEABLE
SURFACING 57m2
CL 54.79
IL 54.21

RAINGARDEN TO DISCHARGE VIA INFILTRATION

RAINGARDEN SOIL DEPTH 450mm
OVER 50mm TRANSITION LAYER
OVER 150mm LAYER OF CRUSHED STONE
CL 54.79
IL 54.14

NOTES

1. ALL DIMENSIONS IN METRES (UNLESS SHOWN OTHERWISE) AND ALL LEVELS IN METRES TO ORDNANCE SURVEY BENCHMARK.
2. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION PURPOSES.
3. THIS DRAWING IS NOT TO BE SCALED FROM.
4. THIS DRAWING SHALL BE REVIEWED IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL DRAWINGS.
5. THE CONTRACTOR IS TO CONFIRM ACCURACY OF EXISTING SURVEY, AND LINES AND LEVELS OF EXISTING SERVICES INDICATED.
6. THE CONTRACTOR IS TO LIAISE WITH ALL STATUTORY UNDERTAKERS IN REGARD TO LOCATING ALL EXISTING SERVICES WITHIN AND ADJACENT TO THE SITE OF THE WORKS. NO EXCAVATION IS TO COMMENCE UNTIL ALL EXISTING SERVICES HAVE BEEN LOCATED, MARKED ON SITE AND PROTECTED TO THE SATISFACTION OF THE RELEVANT AUTHORITY.
7. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS PERTAINING TO THE WORKS.

LEGEND

-  PROPOSED PERMEABLE ASPHALT
-  OTHER PERMEABLE SURFACING
-  PROPOSED SWALE
-  PROPOSED RAINGARDEN

ISSUE	DRN	APP	DATE	NOTES / DESCRIPTION
1.0	OFK	PD	09/03/2026	ISSUED WITH SUGS REPORT

PLANNING



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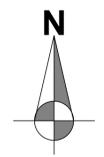
Mosley Mill, Lower Ground (West)
Carroneary Road North
Newtownabbey
Co. Antrim, BT36 5QA

PROJECT
**ATHY TRAILHEAD
CO. KILDARE**

CLIENT
**KILDARE
COUNTY COUNCIL**

DRAWING TITLE
**SURFACE WATER
DRAINAGE LAYOUT PLAN**

SCALE	1:200	ORIGINAL SIZE	A1
DRAWN	OFK	CHECKED	PD
		DATE	09/03/2026
PROJECT No.	M02215-09	DRAWING No.	DWG_101
		ISSUE No.	1.0



PROPOSED DRAINAGE LAYOUT
SCALE 1:200