NOTES:

1. DO NOT SCALE. USE FIGURED DIMENSIONS ONLY.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTURAL AND ENGINEERING DRAWINGS.

This drawing should not be scaled. Dimensions to be verified on site.
Any discrepancies should be referred to the Engineer prior to work being put in hand.
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ATTENUATION SYSTEM WITHIN CATCHMENT D.

ABOVE GROUND DETENTION BASIN:
- SIDE SLOPES 1: 4
- TOP OF BANK AREA & LEVEL: 455m² / 106.00m
- BOTTOM OF BANK AREA & LEVEL: 180m² / 105.00m
- DEPTH OF ABOVE GROUND BASIN: 1000mm
- TOP OF WATER LEVEL: 105.72 m
- LOWEST FFL IN CATCHMENT: 106.95m
- ABOVE GROUND STORAGE VOLUME PROVIDED: 318m³

BELOW GROUND INFILTRATION TRENCHES:
NO. OF TRENCHES: 5
DEPTH OF TRENCHES: 2.2m
LENGTH OF TRENCHES: 20m
WIDTH OF TRENCHES: 2m
BASE OF TRENCHES: 99.50m (LAID 1m INTO GRAVEL LAYER)
BELOW GROUND STORAGE VOLUME ACTIVATED: 422m³

TOTAL STORAGE OFFERED: 740m³

ATTENUATION BASIN WITHIN CENTRAL CATCHMENT B2.

ABOVE GROUND DETENTION BASIN:
- SIDE SLOPES 1: 4
- TOP OF BANK AREA & LEVEL: 705m² / 109.0m
- BOTTOM OF BANK AREA & LEVEL: 500m² / 108.50m
- DEPTH OF ABOVE GROUND BASIN: 500mm
- TOP OF WATER LEVEL: 109.00 m
- LOWEST FFL IN CATCHMENT: 109.75m
- ABOVE GROUND STORAGE VOLUME PROVIDED: 301m³

TOTAL STORAGE OFFERED: 301m³

INFILTRATION TRENCH WITHIN CENTRAL CATCHMENT B1.

BELOW GROUND INFILTRATION TRENCHES:
- NO. OF TRENCHES: 5
- DEPTH OF TRENCHES: 2.6m
- LENGTH OF TRENCHES: 30m
- WIDTH OF TRENCHES: 2.4m
- BASE OF TRENCHES: 104m (LAID 1m INTO GRAVEL LAYER)
- BELOW GROUND STORAGE VOLUME: 898m³

LEGEND:

- PROPOSED BOUNDARY LINE (TBC)
- PROPOSED PERMEABLE PAVING IN PRIVATE DRIVEWAYS
- INFILTRATION TRENCHES
- PROPOSED ABOVE GROUND ATTENUATION BASINS (500mm & 1000mm DEPTH)
- PROPOSED BIO-RETENTION TREE PITS IN TIC AREAS
- PROPOSED BIO-RETENTION TREE PITS IN IN PRIVATE AREAS
- PROPOSED PETROL INTERCEPTOR
- PROPOSED GRASS SWALE & LAND DRAIN WITH 100mm PERFORATED PIPE AND INSPECTION CHAMBER

INSET A

1:500 0 10m 20m 30m 40m 50m
1:1 0 10 20 30 40 50 60 70 80 90 100

PRIVATE BELOW GROUND INFILTRATION TRENCH SYSTEM

OUTLINE OF ENTRANCE TO EXISTING ESB SUBSTATION

ATTENUATION SYSTEM WITHIN CATCHMENT A.

ABOVE GROUND DETENTION BASIN:
- SIDE SLOPES 1: 4
- TOP OF BANK AREA & LEVEL: 476m² / 106.50m
- BOTTOM OF BANK AREA & LEVEL: 157m² / 105.50m
- DEPTH OF ABOVE GROUND BASIN: 1m
- TOP OF WATER LEVEL: 106.49 m
- LOWEST FFL IN CATCHMENT: 107.175m
- ABOVE GROUND STORAGE VOLUME PROVIDED: 316m³

BELOW GROUND INFILTRATION TRENCHES:
- NO. OF TRENCHES: 3
- DEPTH OF TRENCHES: 2m
- LENGTH OF TRENCHES: 22m
- WIDTH OF TRENCHES: 2m
- BASE OF TRENCHES: 100.50m (LAID 0.5m INTO GRAVEL LAYER)
- BELOW GROUND STORAGE VOLUME: 254m³

TOTAL STORAGE OFFERED: 500m³

Rev	Date	Description	By	Chk
P02	02/03/2026	ISSUE FOR PLANNING	IG	IW
P01	11/07/2025	ISSUED FOR STAGE 2A PLANNING	IG	IW

Amendments

Project
SOUTHGREEN PHASE 2, KILDARE TOWN, Co. KILDARE

Title
PROPOSED SUDS LAYOUT

Client
POUSTERLE LIMITED

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Status
PLANNING

Designed By	Approved	Waterman Ref
PI	IW	25-003
Drawn By	Date	Scales @ A1
IG	JULY 2025	1:500

Project - Originator - Volume - Level - Type - Role - Number	Revision
SOU - WMC - PH2 - XX - DR - C - P0210	P02

Drawing Location: N:\Projects\25\25-003 South Green Phase 2 Site O\Drawings\Waterman Moylan\Civil\Planning\Autocad Drawings\SOU-WMC-PH2-XX-DR-C-P0210 - Proposed SuDS Layout.dwg
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