



TYPICAL BIOWINDOW SECTION

A1 SCALE N.T.S.
A3 SCALE N.T.S.

Malone O'Regan Environmental
Finiskiln Landfill Biocover Specification

22 July 2020
Ref. 180110.503

Table 4. Parameters for the Design of the Biofilter Windows and Bioactive Intercepting Trench

Layer	Biofilter Window (2 m cap)	Bioactive Intercepting Trench (2 m cap)	Notes
Topsoil with vegetation	10 cm nominal	10 cm nominal	Vegetation increases oxygen diffusion into subsoil and enhances methane oxidation
Methane Oxidising Layer (MOL)	120 cm minimum	120 cm minimum	Either compost or medium sand are suitable materials
Capillary Break	20 cm nominal	20 cm nominal	A medium non-calcareous sand is required to break the capillary effect between the MOL and the GDL. Grain size 0.5 – 2.0 mm
Gas Distribution Layer (GDL)	50 cm at highest and 30 cm at lowest point of capillary layer	50 cm at highest and 30 cm at lowest point of capillary break layer	A no fines non-calcareous gravel with a particle size 20 – 60 mm

Health and Safety:

THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS, THE SPECIFICATION AND THE SAFETY AND HEALTH PLAN.

THE APPOINTMENT OF THE PROJECT SUPERVISOR DESIGN PROCESS IS THE CLIENT'S RESPONSIBILITY.

TEMPORARY WORKS PROPOSALS AND/OR METHOD STATEMENTS TO BE SUBMITTED TO THE PSDP AND THE PCS FOR WORKS WHICH INVOLVE PARTICULAR RISKS.

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THIS DRAWING TO BE USED FOR
PLANNING PURPOSES ONLY

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Client SLIGO COUNTY COUNCIL

Job FINISKILN PUBLIC PARK AT
FAR FINISKILN ROAD, Co. SLIGO.

Drawing
BIOWINDOW & BIOACTIVE TRENCH
SECTION

Job No	Drw No	Stage	Revision	Scale
W21005	P811	PL	P	A1: 1:100 A3: 1:200

DON'T SCALE DIMENSIONS