



- Legend**
- Site Boundary (Owned By Mayo County Council)
 - Land Owned By Mrs Finnigan
 - Proposed SW Monitoring Locations (T.B.A)
 - Approximate Capping Boundary 38,044m² (to be Confirmed by Additional SI)
 - ▲ Existing Boreholes
 - ▲ Proposed Boreholes (Locations T.B.A)
 - Existing Surface Water Drain
 - Flow Direction
 - Proposed Drainage
 - Kilbeg-Malone River

Notes:
 All remediation works subject to EPA approval, detailed design and Certificate of Authorisation.

Historic Landfill Engineered Cap
 Engineered cap shall comprise:

- 200 mm topsoil, on
- 800 mm subsoil, on
- Subsurface drainage geocomposite and collection pipework or similar, on
- 1mm LLDPE Barrier, on
- Gas collection geocomposite and collection pipework or similar,
- Reprofiled Existing/Imported Layer, above
- Historical Waste

Subject to detailed design and Certificate of Authorisation.

Topsoil
 Topsoil shall be compliant to BS3882:2015 or equal approved and graded to ensure no localized surface depressions are present.

Subsoil
 Subsoil shall be provided using a uniformly graded material with stone sizes not greater than 100 mm or equal approved.

Subsurface Drainage
 A subsurface drainage layer on the cap barrier (hydraulic conductivity should be equal to or greater than 1x10⁻⁴ m/s for a thickness of 500 mm) or equal approved geocomposite

Surface Drainage
 Surface drainage layouts using grassed waterways shall collect and direct surface water runoff including subsurface drainage outfall flows to one or more dedicated surface drainage outfalls into existing surface water perimeter drain(s).

LLDPE Barrier System
 The barrier system shall use 1.0 mm LLDPE or similar approved.
 This barrier will require vertical cut-offs on all boundaries to mitigate the risk of landfill gas migration and leachate egress following secondary consolidation. Subject to Detailed Design

Landfill Gas Management
 Shall comprise a under-liner gas collection geocomposite or similar approved stone drainage later. As per EPA Landfill Site Design manual, should not be less than a 150 mm stone layer with a hydraulic permeability of 1x10⁻⁴m/s or equivalent.
 Landfill gas management subject to risk assessment and detailed design

Environmental Monitoring
 Environmental Monitoring infrastructure as per Remediation Plan schedule and Certificate of Authorisation

Invasive Species
 All works subject to the recommendation of the prepared Invasive Species management plan.

Solar Farm Development
 All proposed works to be cognisant of proposed after use of site as a solar farm as appropriate

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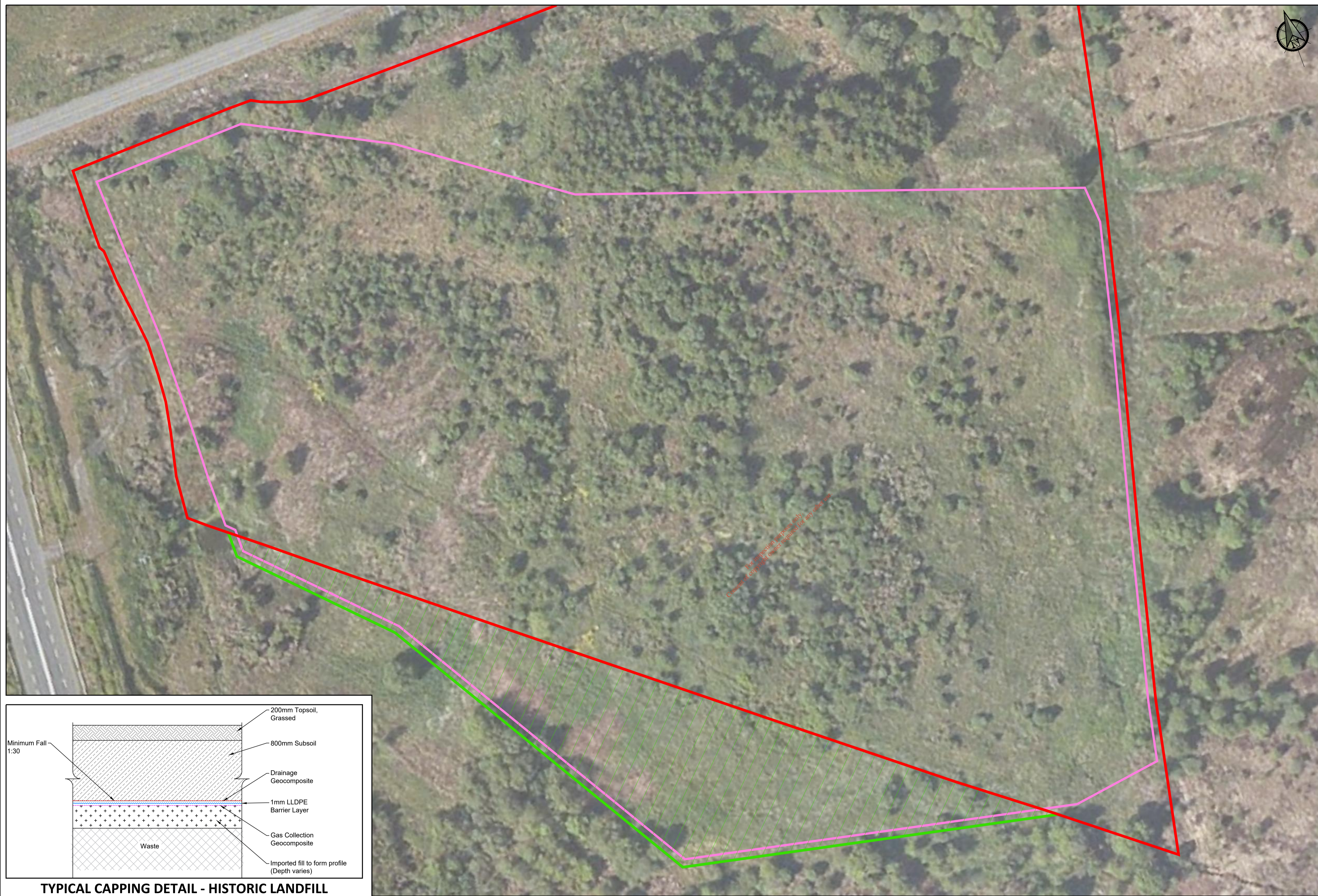
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Rev.	Description	App By	Date
A	ISSUE FOR COMMENT	BG	03.03.20
B	ISSUE FOR FI RESPONSE	BG	05.02.21

PROJECT		CLIENT	
CLAREMORRIS HISTORIC LANDFILL REMEDIATION PLAN		MAYO COUNTY COUNCIL	
SHEET	LOCATIONS OF PROPOSED ENVIRONMENT MONITORING POINTS	Date	03.03.20
		Project number	P2348
		Scale (@ A1-)	1:1000
		Drawn by	SOC
		Checked by	JON
		Drawing Number	P2348-0400-0001
		Rev	B

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15 February 2021



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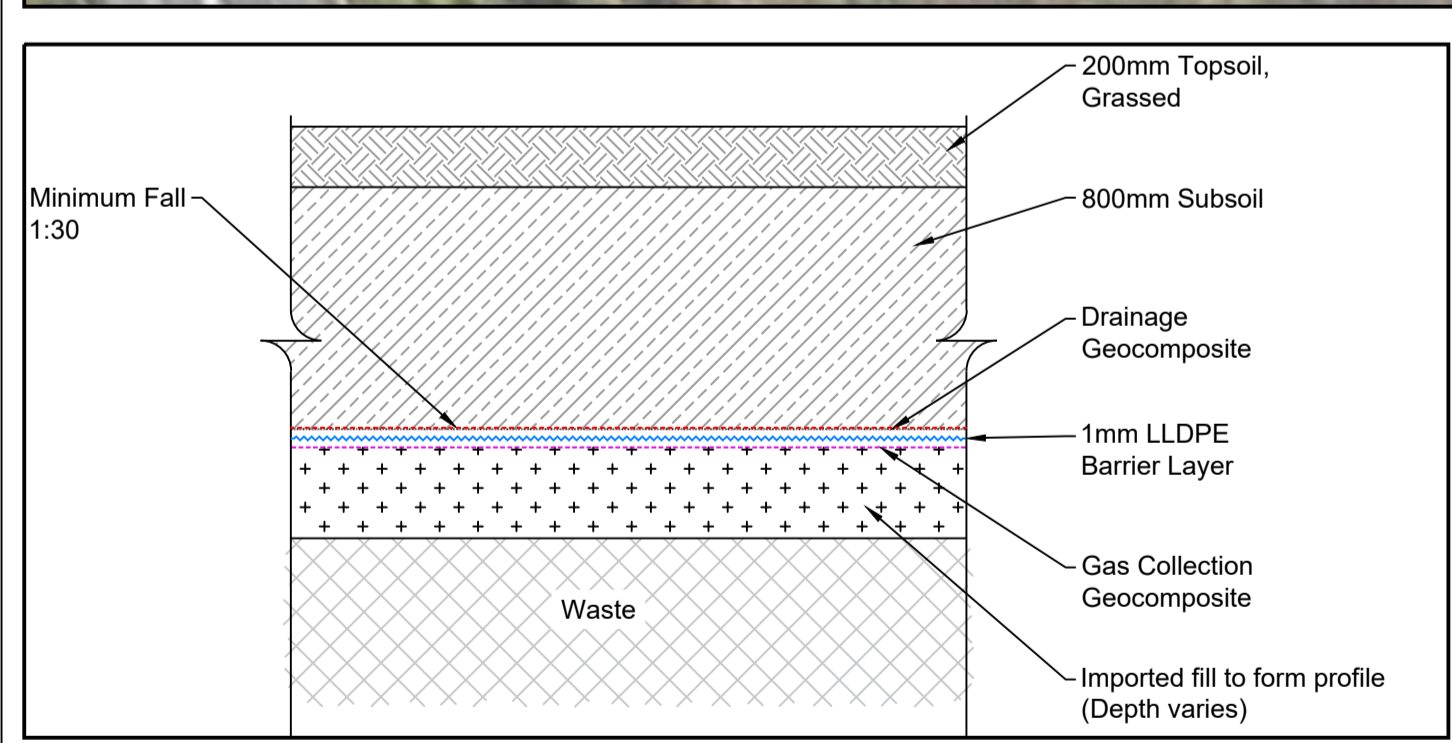
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TYPICAL CAPPING DETAIL - HISTORIC LANDFILL

Scale 1:25

PLAN

Scale 1:500

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A	ISSUE FOR COMMENT	BG	03.03.20
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PROJECT	CLIENT		
CLAREMORRIS HISTORIC LANDFILL REMEDATION PLAN	MAYO COUNTY COUNCIL		
	Date	Project number	Scale (@ A1-) As Shown
PROPOSED REMEDIATION PLAN	03.03.20	P2348	
	Drawn by	Drawing Number	Rev
	SOC	P2348-0400-0002	B
Checked by			
JON			

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15 February 2021