

**SHORE ROAD HISTORIC LANDFILL,  
CLIFDEN, CO. GALWAY**

**APPLICATION TO EPA  
FOR  
CERTIFICATE OF AUTHORISATION**

**VOLUME I. APPLICATION FORM &  
SECTIONS A, B, C, E & F**

**24<sup>th</sup> March, 2021**

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# **Certificate of Authorisation Application Form for Shore Road Historical Landfill, Clifden, Co. Galway**

Waste Management (Certification of Historic Unlicensed Waste Disposal and Recovery Activity) Regulations, 2008

**EPA Ref. N<sup>o</sup>:**  
(Office use only)

**Environmental Protection Agency**  
PO Box 3000, Johnstown Castle Estate, Co. Wexford  
Lo Call: 1890 335599 Telephone: 053-9160600 Fax: 053-9160699  
Web: [www.epa.ie](http://www.epa.ie) Email: [info@epa.ie](mailto:info@epa.ie)

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# CHECKLIST

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## CHECKLIST

Regulation 7(2) of the Waste Management (Certification of Historic Unlicensed Waste Disposal and Recovery Activity) Regulations 2008 sets out the information which must, in all cases, accompany an application for a Certificate of Authorisation. In order to ensure that the application fully complies with the legal requirements of Regulation 7(2) of the 2008 Regulations and the Code of Practice, all applicants should use the following checklist.

In each case, refer to the section or attachment number of your application which contains the information requested.

The following checklist will be applied to the application as detailed below:

Requirement of Regulations	Location in application form or attachment no.	Applicant	EPA
Article 7(2) (a)	Section C.1	<input type="checkbox"/>	<input type="checkbox"/>
Article 7(2) (b)	Section B.1	<input type="checkbox"/>	<input type="checkbox"/>
Article 7(2) (c)	Section C.4 and attachment C.4	<input type="checkbox"/>	<input type="checkbox"/>
Article 7(2) (d)	Section C.2	<input type="checkbox"/>	<input type="checkbox"/>
Article 7(2) (e)	Attachment C.1	<input type="checkbox"/>	<input type="checkbox"/>
Article 7(2) (f)	Section D and attachment D.1	<input type="checkbox"/>	<input type="checkbox"/>
Article 7(2) (g)	Section C.5	<input type="checkbox"/>	<input type="checkbox"/>
Article 7(2) (h)	Section D and attachment D.1	<input type="checkbox"/>	<input type="checkbox"/>

Regulation 7(2) (h) outlines the requirement for a risk assessment and the following checklists will be applied to the risk assessment, appropriate assessment screening or Natura Impact Statement and remediation strategy:

### Tier 1 Risk Assessment:

Requirement	Section or attachment no.	Applicant	EPA
Conceptual site model.	See Appendix 1 of <i>Tier 2 Site Investigation &amp; Risk Assessment of Former Shore Road Landfill Report (2014)</i> in Volume II – Section D. Part B	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Identification of conservation areas, foreshore areas or other relevant designations.	See Appendix 2. AA Screening Report of <i>Tier 2 Site Investigation &amp; Risk Assessment of Former Shore Road Landfill Report (2014)</i> in Volume II – Section D. Part B	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SPRs <sup>1</sup> and SPR linkages: justified and scored.	See Appendix 1 of <i>Tier 2 Site Investigation &amp; Risk Assessment of Former Shore Road Landfill Report (2014)</i> in Volume II – Section D. Part B	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Tier 1 risk classification. Risk: _	<b>Low - Class C</b> See Section 1.5 of <i>Tier 2 Site Investigation &amp; Risk Assessment of Former Shore Road Landfill Report (2014)</i> in Volume II – Section D. Part A & See Appendix 1 of <i>Tier 2 Site Investigation &amp; Risk Assessment of Former Shore Road Landfill Report (2014)</i> in Volume II – Section D. Part B	<input checked="" type="checkbox"/>	<input type="checkbox"/>

## Tier 2 Risk Assessment

Requirement	Section or attachment no.	Applicant	EPA
Walk over survey checklist.	See Appendix 1 of <i>Tier 2 Site Investigation &amp; Risk Assessment of Former Shore Road Landfill Report (2014)</i> in Volume II – Section D. Part B	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Justification for chosen site investigations (SI), SI methods and sampling strategies.	See Sections 1 and 3 of <i>Tier 2 Site Investigation &amp; Risk Assessment of Former Shore Road Landfill Report (2014)</i> in Volume II – Section D. Part A and annotated EPA Matrix 1 in Appendix 1 of <i>Tier 2 Site Investigation &amp; Risk Assessment of Former Shore Road Landfill Report (2014)</i> in Volume II – Section D. Part B  See Section 3.3. of Tier 3 Further Site Investigation & Updated Risk Assessment of Former Shore Road Landfill, Clifden, County Galway, Report, 24 <sup>th</sup> March, 2021) in Volume III – Section D. Part A	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Justification for any SPR linkage not investigated as part of the SI.	SPR6 - Public Supply (Well) (includes Group Water Schemes) not in vicinity of site, not viable receptors and not investigated - see Appendix 1 of <i>Tier 2 Site Investigation &amp; Risk Assessment of Former Shore Road Landfill Report (2014)</i> in Volume II – Section D. Part B	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Description of how the matrix was used.	For rationale behind site investigation methods see annotated EPA Matrix 1 in Appendix 1 of <i>Tier 2 Site Investigation &amp; Risk Assessment of Former Shore Road Landfill Report (2014)</i> in Volume II – Section D. Part B	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SI result comparison against the requirements of the EC Environmental Objectives (Surface Waters) Regulations 2009.	Not Applicable/ Not completed/not required	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SI result comparison against the requirements of the EC Environmental Objectives (Groundwater) Regulations 2010.	Not Applicable/ Not completed/not required	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SI result comparison against the guidance document 'Guidance on the Authorization of Discharges to Groundwater', EPA 2011.	Not Applicable/ Not completed/not required	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SI result comparison against the Department of the Environment publication on the 'Protection of New Buildings and Occupants from Landfill Gas' (1994).	Not Applicable/ Not completed/not required	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Requirement	Section or attachment no.	Applicant	EPA
Justification for any conclusions drawn from the comparison of SI results to current standards.	See Section 5 of <i>Tier 3 Further Site Investigation &amp; Updated Risk Assessment of Former Shore Road Landfill, Clifden, County Galway, Report, 24<sup>th</sup> March, 2021</i> ) in Volume III – Section D. Part A	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Comparison of SI results against each SPR linkage and justification for any conclusions drawn.	See Sections 5.5 & 7 of <i>Tier 3 Further Site Investigation &amp; Updated Risk Assessment of Former Shore Road Landfill, Clifden, County Galway, Report, 24<sup>th</sup> March, 2021</i> ) in Volume III – Section D. Part A	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Justification for the risk ranking of each SPR linkage.	See Sections 5.5 & 7 of <i>Tier 3 Further Site Investigation &amp; Updated Risk Assessment of Former Shore Road Landfill, Clifden, County Galway, Report, 24<sup>th</sup> March, 2021</i> ) in Volume III – Section D. Part A	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Source/Hazard – Pathway – Receptor.

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**Appropriate Assessment (AA):**

Requirement	Section or attachment no.	Applicant	EPA
AA Stage 1 – Screening for Appropriate Assessment.	See Appendix 2. AA Screening Report of Tier 2 Site Investigation & Risk Assessment of Former Shore Road Landfill Report (2014) in Volume II – Section D. Part B	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Statement confirming the result of Stage 1 Screening, e.g. <i>"The screening assessment (Stage 1) undertaken demonstrated that the project is/is not likely to have significant effects on the European site(s) having regard to its conservation objectives"</i> .	See Appendix 2. AA Screening Report of Tier 2 Site Investigation & Risk Assessment of Former Shore Road Landfill Report (2014) in Volume II – Section D. Part B	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Requirement	Section or attachment no.	Applicant	EPA
AA Stage 2 – Natura Impact Statement.	Given conclusions of Screening Report – Not applicable – NIS not required	<input type="checkbox"/>	<input type="checkbox"/>
Statement confirming the result of Stage 2 of the Appropriate Assessment, e.g. <i>"The assessment (Stage 2) demonstrates that the project will/will not adversely affect the integrity of the European site(s) having regard to its conservation objectives"</i> .	Given conclusions of Screening Report – Not applicable – NIS not required	<input type="checkbox"/>	<input type="checkbox"/>



Tier 3 Risk Assessment:

Requirement	Section or attachment no.	Applicant	EPA
Refined conceptual site model.	See Sections 5.5 & 7 of Tier 3 Further Site Investigation & Updated Risk Assessment of Former Shore Road Landfill, Clifden, County Galway, Report, 24 <sup>th</sup> March, 2021) in Volume III – Section D. Part A	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SPRs and SPR linkages: justified and scored.	See Sections 5.5 & 7 of Tier 3 Further Site Investigation & Updated Risk Assessment of Former Shore Road Landfill, Clifden, County Galway, Report, 24 <sup>th</sup> March, 2021) in Volume III – Section D. Part A	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Tier 3 risk classification and justification.	See Sections 5.5 & 7 of Tier 3 Further Site Investigation & Updated Risk Assessment of Former Shore Road Landfill, Clifden, County Galway, Report, 24 <sup>th</sup> March, 2021) in Volume III – Section D. Part A	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Generic Quantitative Risk Assessment (QRA)	See Section 5 of Tier 3 Further Site Investigation & Updated Risk Assessment of Former Shore Road Landfill, Clifden, County Galway, Report, 24 <sup>th</sup> March, 2021) in Volume III – Section D. Part A	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Detailed QRA	Not Applicable/Not completed/not required	<input type="checkbox"/>	<input type="checkbox"/>
Justification for generic QRA/detailed QRA	See Section 5 of Tier 3 Further Site Investigation & Updated Risk Assessment of Former Shore Road Landfill, Clifden, County Galway, Report, 24 <sup>th</sup> March, 2021) in Volume III – Section D. Part A	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overall site risk evaluation	See Section 8 of Tier 3 Further Site Investigation & Updated Risk Assessment of Former Shore Road Landfill, Clifden, County Galway, Report, 24 <sup>th</sup> March, 2021) in Volume III – Section D. Part A	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Remediation Strategy:**

Requirement	Section or attachment no.	Applicant	EPA
Description of remediation works.	See Section 8 of <i>Tier 3 Further Site Investigation &amp; Updated Risk Assessment of Former Shore Road Landfill, Clifden, County Galway, Report, 24<sup>th</sup> March, 2021</i> ) in Volume III – Section D. Part A	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Comparison of the proposed remediation works against the ' <i>Landfill Restoration and Aftercare Manual</i> ', EPA 1999 and justification for any departure from the manual.	See Section 8 of <i>Tier 3 Further Site Investigation &amp; Updated Risk Assessment of Former Shore Road Landfill, Clifden, County Galway, Report, 24<sup>th</sup> March, 2021</i> ) in Volume III – Section D. Part A	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Comparison of the proposed remediation works against the ' <i>Landfill Site Design Manual</i> ', EPA 2000 and justification for any departure from the manual.	See Section 8 of <i>Tier 3 Further Site Investigation &amp; Updated Risk Assessment of Former Shore Road Landfill, Clifden, County Galway, Report, 24<sup>th</sup> March, 2021</i> ) in Volume III – Section D. Part A	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Comparison of the proposed remediation works against the report on the ' <i>Management of Low Levels of Landfill Gas</i> ', EPA 2011 and justification for any departure from the report.	Not applicable/ Not necessary given negligible levels of methane encountered on site	<input type="checkbox"/>	<input type="checkbox"/>
Demonstration of how the remediation works will allow for the completion of a validation report and the breakage of each SPR linkage.	See Section 8 of <i>Tier 3 Further Site Investigation &amp; Updated Risk Assessment of Former Shore Road Landfill, Clifden, County Galway, Report, 24<sup>th</sup> March, 2021</i> ) in Volume III – Section D. Part A	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Date on which the proposed remediation works are due to be completed:	Public Park proposed for site. Layout currently being finalised to include Asbestos Management Plan, etc.	<input type="checkbox"/>	<input type="checkbox"/>
Demonstration of how SPR linkages which have no remediation measures proposed will meet the requirements of a validation report.	See Section 7 of <i>Tier 3 Further Site Investigation &amp; Updated Risk Assessment of Former Shore Road Landfill, Clifden, County Galway, Report, 24<sup>th</sup> March, 2021</i> ) in Volume III – Section D. Part A	<input checked="" type="checkbox"/>	<input type="checkbox"/>

<p>Date on which a completed validation report is proposed to be submitted to the Agency:</p>	<p>Public Park proposed for site. Layout currently being finalised to include Asbestos Management Plan, etc. Validation Report should be submitted with detailed plans for design and management of Public Park.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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**Monitoring Programme:**

Requirement	Section or attachment no.	Applicant	EPA
Identification of the parameters which require analysis and the related sampling plan for any ongoing or long-term monitoring or assessment programme required to ensure the effectiveness of completed remediation measures.	See Section 8 of <i>Tier 2 Further Site Investigation &amp; Updated Risk Assessment of Former Shore Road Landfill, Clifden, County Galway, Report, 24<sup>th</sup> March, 2021</i> ) in Volume III – Section D. Part A	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Comparison of the proposed monitoring or assessment programme against the ' <i>Landfill Monitoring Manual</i> ', EPA 2003 and justification for any departure from the manual.	See Section 8 of <i>Tier 2 Further Site Investigation &amp; Updated Risk Assessment of Former Shore Road Landfill, Clifden, County Galway, Report, 24<sup>th</sup> March, 2021</i> ) in Volume III – Section D. Part A	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Demonstration of how the proposed monitoring or assessment programme will confirm that the objectives of the remediation measures have been met.	See Section 8 of <i>Tier 2 Further Site Investigation &amp; Updated Risk Assessment of Former Shore Road Landfill, Clifden, County Galway, Report, 24<sup>th</sup> March, 2021</i> ) in Volume III – Section D. Part A	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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## SECTION A: NON-TECHNICAL SUMMARY

A non-technical summary of the application is to be included here. The summary should identify all environmental impacts of significance associated with the site.

The following information must be included in the non-technical summary:

A description of:

- The site location.
- A brief history of the site, types and volumes of waste deposited, duration of disposal activities and date of cessation.
- The hydrogeology and ecology of the site and surrounding area, to include protected areas.
- Risk category of the site
- Actual and potential environmental impacts.
- Proposed remediation including timescale.

Supporting information should form **Attachment A.1**.

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## **Site Location**

The former Shore Road landfill site is located on the southern side of the Shore Road adjacent to the shore of Clifden Bay and is approximately 1.145 hectares (i.e. 1,145m<sup>2</sup>) in area (see Figures 1, 2 & 3). The site was wet under foot during the site investigation with rushes the predominant vegetation on site. A public handball alley is located on the north-western corner of the site. A public basketball court and adjacent playground is located on the western boundary of the site. A sailing club boat storage yard and slipway is located on the south-western corner of the site. A council owned helicopter landing pad is located immediately adjacent to the south-western corner of the site. This is accessed by an access road. A pumping station is located besides this access road.

## **Site History**

According to Galway C.C., the former municipal landfill at Shore Road, Clifden, County Galway, was in operation between the years of 1920s and the late 1960s. It is understood that the site was capped, and a football field was constructed in the 1970s. However, the football pitch became disused due to water logging. The site is currently disused and has been left fallow since that time. During this 40-50 year period, as there are no records, it is not clear how many tonnes of mixed waste including domestic, commercial and construction & demolition (i.e. C & D) were deposited on site by the people of Clifden and/or the local authority. The total site area is 0.98 hectares (ha). However, the results of the site investigation indicate that an area of just 2,325m<sup>2</sup> was used for the deposition of waste i.e. domestic, commercial and construction & demolition (i.e. C & D). Taking an average waste depth of 4.5m, a total volume of waste is calculated at 10,500m<sup>3</sup> (see Figures 4 & 5). A review of historical 25-inch mapping indicates that the southern 2/3 of the site is located on land that was formerly a part of the estuary i.e. it is reclaimed land.

## **Hydrogeology of the site**

The Lakes Marble Formation (LM), which underlies the site, and the adjacent Streamstown Schist Formation (ST) are classed as a 'Poor Aquifer - Bedrock which is generally unproductive except for local zones.'

A review of GSI geological records within 1km of the site revealed only 1 record which is for a poor yield borehole 990m from the site which appears to be within the Streamstown Schist Formation (ST). Bedrock was found at the surface at this borehole.

The site is located with the Clifden Groundwater Body. This GWB is composed primarily of Precambrian Quartzites, Gneisses & Schists, Ordovician Metasediments and Silurian Metasediments and Volcanics. Most groundwater flux will be in the uppermost part of the aquifer; comprising a broken and weathered zone typically less than 3m thick; a zone of interconnected fissuring 10-15 m thick; and a zone of isolated poorly connected fissuring typically less than 150 m, in which strikes are noted between 40-50 m and 50-56 m below ground level in two boreholes near Louisburgh, but yields from these isolated depths are low.

Well data are sparse in the GWB. Three boreholes located in the schists north of Clifden, at Glenbricken and Coolacloy, have reported yields of 33, 26 and 15 m<sup>3</sup>/d with specific capacities of 15, 1.3 and 0.6 m<sup>3</sup>/d/m, respectively. The data indicate low transmissivities – in the range of 0.7-20 m<sup>2</sup>/d. Two wells near Louisburgh also have similar yields and implied transmissivities. In the vicinity of faults, transmissivity may be higher. Storativity

is expected to be low (<0.5%). The data are inadequate to calculate groundwater gradients, however, these are expected to be greater than 0.01.

Subsoil thickness data are sparse. Available data indicate the thickness of the subsoils is generally less than 3m over the GWB. Subsoils are thicker in the low-lying flatter areas of the GWB. The thickness of the blanket peat ranges from 0-6 m, depending on topography.

Diffuse recharge occurs via rainfall percolating through the subsoil and rock outcrops. Due to the low permeability of much of the subsoil (blanket peat) and the aquifers, a high proportion of the available recharge will discharge to the streams. In addition, the steep slopes in the mountainous areas promote surface runoff. The stream density is approximately 1.5 km/km<sup>2</sup>, indicating the high proportion of surface runoff.

### **Hydrology of the site**

The site although adjacent to Clifden Bay is located in the periphery of Ownglen-Dauros-Culin-Traheen-Coastal Catchment and is part of Hydrometric Area 32/Erriff Clew Bay of the Western River Basin District. Its Water Management Unit is West Galway.

As stated previously, a review of historical 25-inch mapping indicates that the site is located on land that was formerly a part of the estuary. A review of historical 6-inch mapping indicates that the site was mostly mudflat with the high-water mark (HWM) extending to an area just south of the current handball alley (see Plate 5 previous). The surface water body to the northeast of the site can be seen to cross the mudflat and discharge to the estuary.

A review of historical 25-inch mapping indicates that the site was by 1900, infilled to almost 50% of its current volume with the high water mark now being marked some 20m to the south of that shown on the 6-inch mapping. The location of the current handball alley to the northwest of the site is clear on the 25-inch mapping (see Plate 6 previous). However, it should be noted that the discharge point of the stream to the northwest of the site is now not clear on Plate 6.

A review of flooding archives indicates that 2 flood events have occurred in the vicinity of the site. Both occurred on the Shore Road to the north of the site. An extract of the Local Area Engineer's report states 'C20. 5/6 Jan 1991- Exceptional storm caused tidal flood all along the coast' (see Appendix 6).

A public beach is located 1.km to the west of the site. This beach has been classed by the EPA as having 'Poor Water Quality' (see Appendix 6).

A review of public records indicates that the Clifden Public Wastewater treatment plant is located 320m to the south of the site across the estuary. It is understood that this plant 'Failed due to lack of secondary treatment in operation' (see Appendix 6).

A study carried out by the Western River Basin Management Body under the Water Framework Directive in 2008 has classed the 'Ownglin-Dauros-Culin-Traheen-Coastal Catchment' Surface Water Body, in which the site is located as '1a - At Risk' (see Appendix 6).

The EPA have carried out biological monitoring approximately 510m upstream of the site at the Ardbear Old Bridge in Clifden since 2004. A biological quality value (Q-Rating) of 4 or 'Good' overall status has been given by the EPA (see Appendix 6 for EPA monitoring point location). No detailed historical data on the Q-status of the river at the point was obtainable from the EPA website

### **Risk Category**

Using the Environmental Protection Agency Code of Practice, the site is Classified as '*Class C- Low Risk*' as the site poses negligible risk to human receptors within the vicinity of the site (i.e. in the residences to the northwest and northeast of the site) and to Clifden Bay to the south of the site.

### **Impacts**

The quantity of domestic waste identified during the site investigation was calculated at 10,500m<sup>3</sup>. This quantity was significantly less than that expected and would be regarded as relatively small for closed/historic landfills. The methane generating potential of the site's domestic waste has effectively disappeared given the age of the waste. The lack of landfill gas type odours during the site investigation indicated that methanogenesis within the site had long since ceased (i.e. most landfills cease to produce viable quantities of methane approximately 25 years after the importation of waste has ceased and the site has been capped). It is unlikely that any risk from methane gas to the residences to the northwest and northeast of the site exists given the lack of any evidence of landfill gas during the site investigation. It is unlikely that even in the event of significant disturbance of the waste in the southern half of the site, that a risk is posed by the site (i.e. there is no gas to migrate). Given that the site is effectively an infilled mudflat, the groundwater table on site fluctuates significantly with the tidal pattern within Clifden Bay (i.e. albeit following a lag period). The tidal effect on the waste material is significant in that it works to 'flush out' leachable contaminants which come into contact with the estuarine water table, effectively drawing contaminants into the estuary as the water table falls at low tide. The dilution of contaminants within Clifden Bay is very significant and any impact now posed by low levels of contaminants still leaching from the site would be regarded as negligible. The nearest protected site is pNHA/SAC No. 002031, The Twelve Bens/Garaun Complex. This is the closest protected site to Shore Road landfill site, located approximately 266m hydraulically upgradient to the southeast of the site. Given that this site is upstream, even though Clifden Bay is tidal, as stated previously, the dilution of contaminants within Clifden Bay would very significant and as such, any impact now posed by contaminants on the upgradient protected site would be negligible.



## SECTION B. GENERAL

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## SECTION B: GENERAL

### B.1. Applicant's Details

Only application documentation submitted by the applicant and by the nominated person will be deemed to have come from the applicant.

Name*:	Galway County Council
Address:	Aras an Chontae
	Prospect Hill
	Co. Galway
Tel:	(091) 509 000
Fax:	-
e-mail:	cryder@galwaycoco.ie

\*Full name and address of the local authority making the application.

### Name and Address for Correspondence

Name*:	Colin Ryder
Address:	Galway County Council
	Aras an Chontae
	Prospect Hill
	Galway
Tel:	(091) 509 000
Fax:	-
e-mail:	cryder@galwaycoco.ie

\*This should be the name of the person nominated by the local authority for the purposes of this application.

### Co-Applicant's Details

Name*:	Not Applicable
Address:	
Tel:	
Fax:	
e-mail:	

\*This should be the name of a local authority, other than the lead authority, where a site lies in more than one local authority functional area.

**Name of Qualified Person**

Site investigations must be supervised by a suitably qualified, trained, and experienced person. Section 2.3 of the Code of Practice sets out the requirements in this regard, which should be observed by local authorities. The Code of Practice states that, notwithstanding the fact that a local authority will be in position to carry out much of the risk assessment using in-house resources, “a suitably qualified, trained and experienced person, who is a registered professional with chartered status (or equivalent) awarded by a relevant professional body, and who has successfully conducted risk assessments at other sites, should supervise the Site Investigations ... and be used to carry out the risk assessment.” Please provide the name of the qualified person, in-house or external, used for this risk assessment.

Name:	Padraic Mulroy
Qualification:	BSc., MSc., MIEI, MIPSS, CSc, CEEQUAL Assessor, BREEAM AP
Professional Body:	Institute of Professional Soil Scientists, Engineers Ireland, International Association of Hydrologists, BRE Global
Address:	30 Lisroland View, Knockbridge, Dundalk, Co. Louth
Tel:	042-9384750/086-8770380
Fax:	042-9384750
e-mail:	ptmulroy@mulroyenvironmental.ie

**Interest in Site**

State whether or not the applicant(s) is the registered owner of the land (please check):

<b>Landowner</b>	<input type="checkbox"/>
<b>Landowner (part)</b>	<input checked="" type="checkbox"/>
<b>Not Landowner</b>	<input type="checkbox"/>

Provide the name and address of the current owner(s) and lessees of the land. An appropriately scaled drawing (≤A3) outlining the land ownership should be included in **Attachment B.1.**

Name:	<p>PLEASE NOTE THAT THE TOTAL AREA OF THE SITE IS 1.145Ha OF WHICH 0.654Ha IS OWNED BY GALWAY COUNTY COUNCIL. THE OTHER OWNERS ARE:</p> <ul style="list-style-type: none"> <li>• CLIFDEN &amp; DISTRICT COUNCIL – 0.311Ha</li> <li>• NAOIMH FEICIN GAA CLUB – 0.18Ha</li> </ul> <p>SEE ATTACHED THE FOLLOWING:</p> <ul style="list-style-type: none"> <li>• FIGURE B1.1. SITE LAYOUT &amp; BREAKDOWN OF OWNERSHIP</li> <li>• TABLE B1.1 INVENTORY OF LAND OWNERS OF SHORE ROAD HISTORIC LANDFILL (1.145HA)</li> </ul>
Address:	
Tel:	
Fax:	
e-mail:	

Name:	
Address:	
Tel:	
Fax:	
e-mail:	

## B.2. Fees

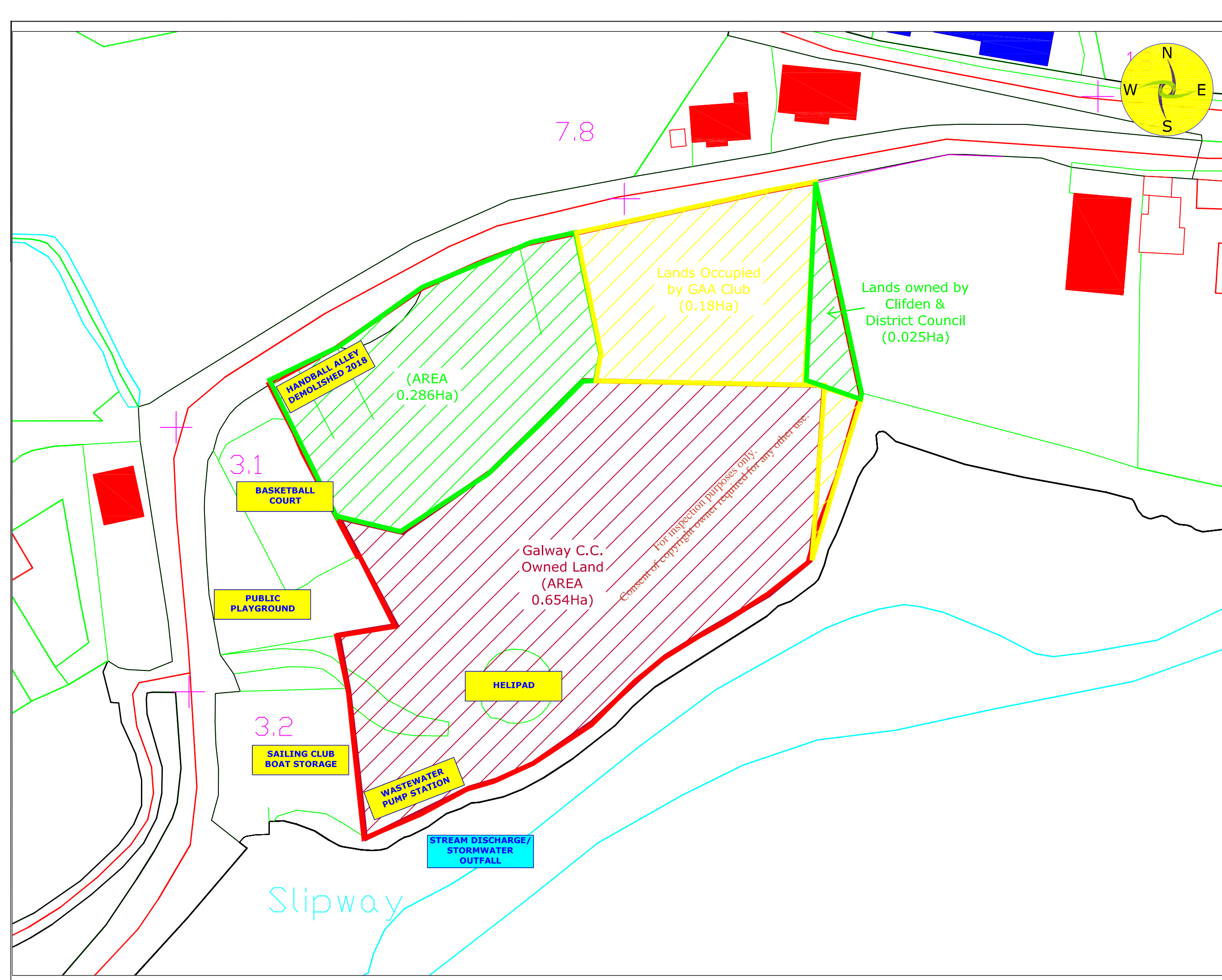
Appropriate Fee (€5,000) Included	Yes	No
	X	

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**Table B1.1 Inventory of Land Owners of Shore Road Historic Landfill (1.145Ha)**

Area (Ha)	NAME	ADDRESS	MAPPING LEGEND
0.654	Galway County Council	Wellpark, Galway, H91 K642, Co. Galway	<b>Maroon Hatch &amp; Polyline</b>
0.025	Clifden & District Council	Town Hall, Clifden, Connemara, Co. Galway	<b>Yellow Hatch &amp; Polyline</b>
0.2861	Clifden & District Council	Town Hall, Clifden, Connemara, Co. Galway	<b>Yellow Hatch &amp; Polyline</b>
0.18	Naoimh Feicin GAA Club	Hospital Road, Clifden, Co. Galway	<b>Green Hatch &amp; Polyline</b>

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### LEGEND

- Residences
- Site Boundary (Red Dash Line)
- Galway County Council owned land (Maroon Hatch)
- GAA Club owned land (Yellow Hatch)
- Clifden & District Council owned land (Green Hatch)

**NOTES**

- FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING
- ALL LEVELS SHOWN RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD

Issue	Date	Description	By	Chkd.

Client:  
Galway County Council

Project:  
Tier 2 Site Investigation & Tier 3 GQRA Assessment of Former Shore Road Landfill

Title:  
Site Layout & Breakdown of Ownership

Scale:  
1:750@A3

Prepared by: C.D.      Checked: P.M.      Date: 14-11-20

Project Director: P.MULROY

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Drawing No.: Figure B1.1      Issue: 0

# The Property Registration Authority An tÚdarás Clárúcháin Maoine



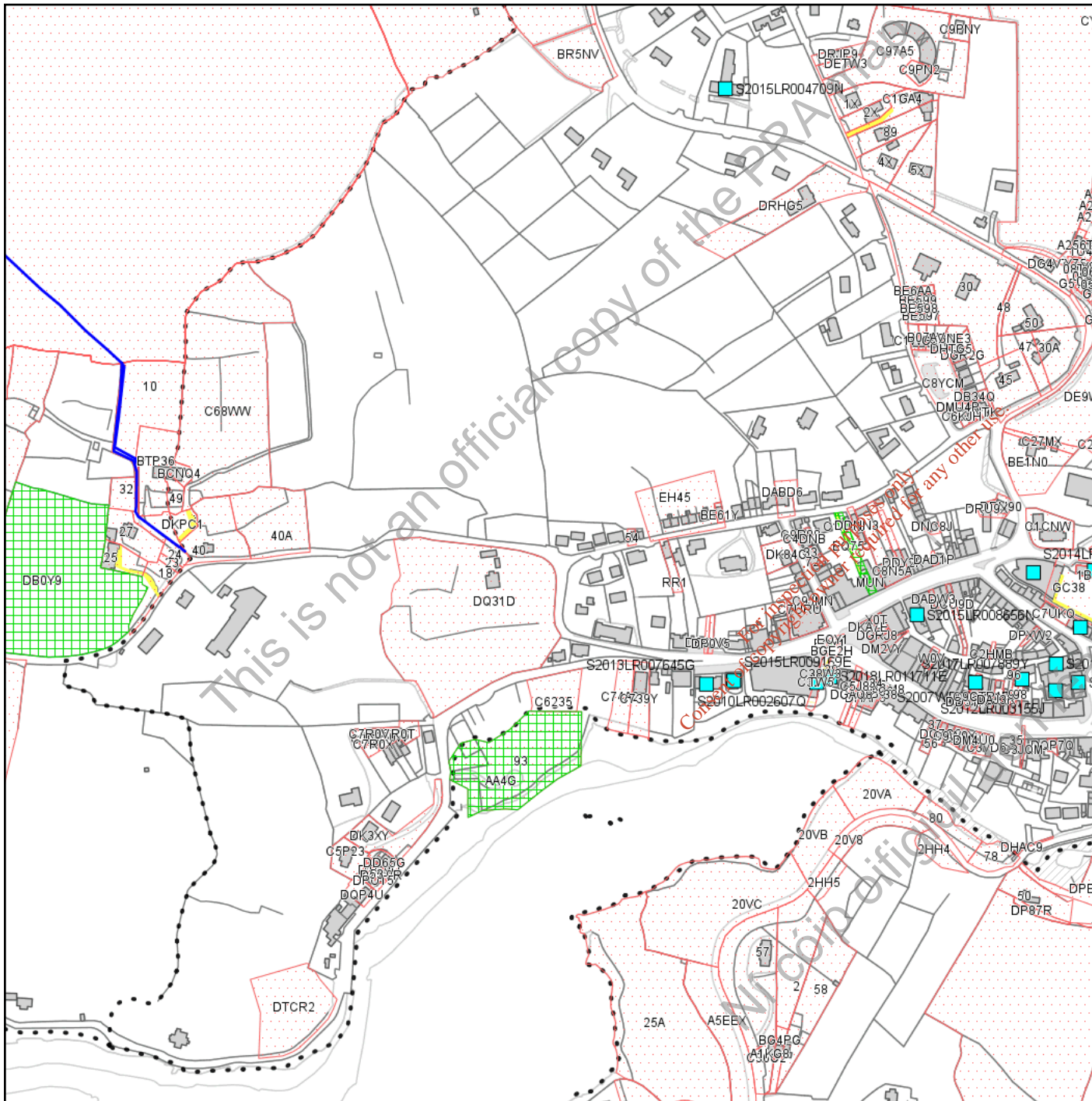
Official Property Registration Map

This map should be read in conjunction with the folio.

Registry maps are based on OSi topographic mapping. Where registry maps are printed at a scale that is larger than the OSi published scale accuracy is limited to that of the original OSi Map Scale.

For details of the terms of use, and limitations as to scale, accuracy and other conditions relating to Land Registry Maps, see [www.prai.ie](http://www.prai.ie).

This map incorporates Ordnance Survey Ireland (OSi) mapping data under a licence from OSi. Copyright © OSi and Government of Ireland.



(centre-line of parcel(s) edged)

- Freehold
- Leasehold
- SubLeasehold
- 'S' Register

(see Section 8(b)(II) of Registration of Title Act 1964 and Rule 224 & 225 Land Registration Rules 1972 - 2010).

**Burdens** (may not all be represented on map)

- Right of Way / Wayleave
- Turbary
- Pipeline
- Well
- Pump
- ▭ Septic Tank
- ▽ Soak Pit

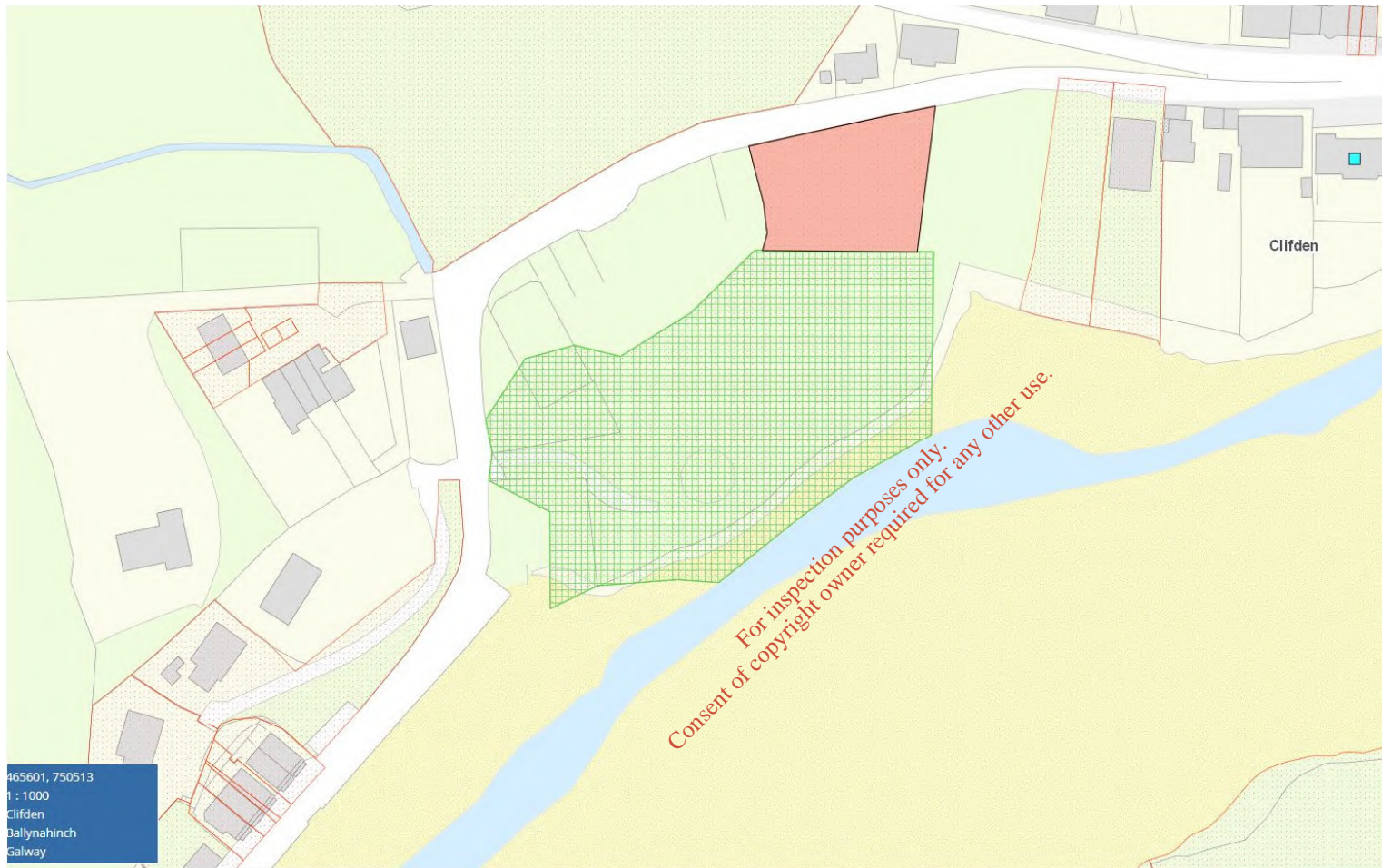
A full list of burdens and their symbology can be found at: [www.landdirect.ie](http://www.landdirect.ie)

The registry operates a non-conclusive boundary system. The Registry Map identifies properties not boundaries meaning neither the description of land in a register nor its identification by reference to a registry map is conclusive as to the boundaries or extent.

(see Section 85 of the Registration of Title Act, 1964). As Inserted by Section 62 of the Registration of Deed and Title Act 2006.

Creation Date: 10 November 2020 13:22:42





465601, 750513  
1 : 1000  
Clifden  
Ballynahinch  
Galway

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Property Details

> Back

<b>Folio Number</b>	GY112170F
<b>Title Level</b>	Freehold
<b>Plan Number</b>	C6235
<b>Property Number</b>	1
<b>Area of selected plans</b>	0.17 hectares.
<b>Number of Plans on this folio:</b>	1
<b>Address</b>	Not Available

[Add to Basket](#) [Create Alert](#)

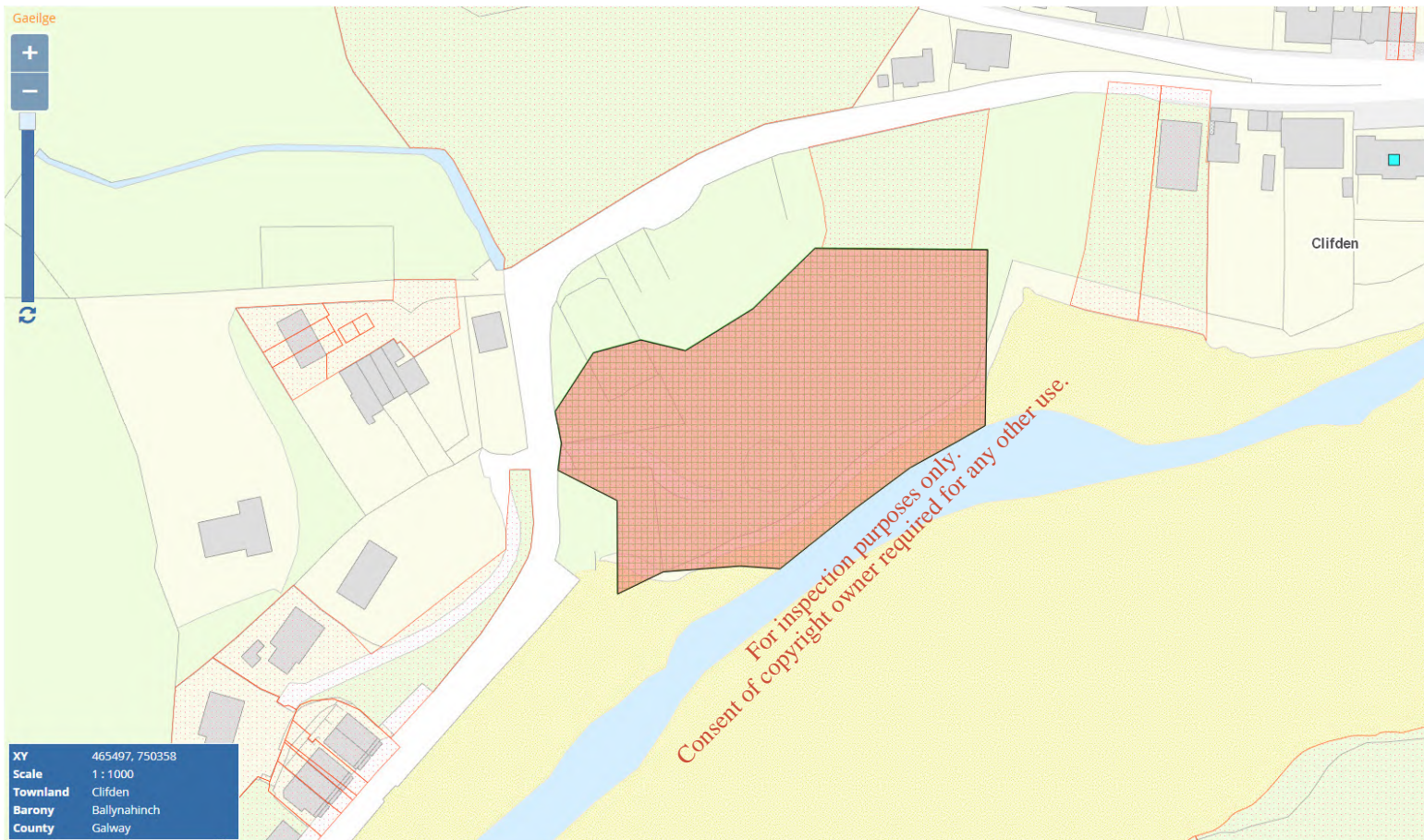
\*PRA Boundaries and Plan Area **are not conclusive**. See [Section 62\(2\) of Registration of Title Act 2006](#) and [Rule 8\(3\) of the Land Registration Rules 2012](#).

[View Basket](#)

[Print Current View](#)

[Help](#)





XY 465497, 750358  
 Scale 1 : 1000  
 Townland Clifden  
 Barony Ballynahinch  
 County Galway

Property Details

> Back

<b>Folio Number</b>	GY24658F
<b>Title Level</b>	Freehold
<b>Plan Number</b>	93
<b>Property Number</b>	1
<b>Area of selected plans</b>	0.84 hectares
<b>Number of Plans on this folio:</b>	1
<b>Address</b>	Not Available

Add to Basket Create Alert

<b>Folio Number</b>	GY3209L
<b>Title Level</b>	Leasehold
<b>Plan Number</b>	AA4G
<b>Property Number</b>	1
<b>Area of selected plans</b>	0.84 hectares
<b>Number of Plans on this folio:</b>	1
<b>Address</b>	Not Available

Add to Basket Create Alert

\*PRA Boundaries and Plan Area are not conclusive. See [Section 62\(2\) of Registration of Title Act 2006](#) and [Rule 8\(3\) of the Land Registration Rules 2012](#).

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**SECTION F: DECLARATION**

**Declaration**

I hereby make application for a Certificate of Authorisation pursuant to the provisions of the Waste Management (Certification of Historic Unlicensed Waste Disposal and Recovery Activity) Regulations, 2008 (S.I. No. 524 of 2008).

I certify that the information given in this application is truthful, accurate and complete and the enclosed Risk Assessment is a full and complete representation of all relevant work carried out in relation to the site in question.

I give consent to the EPA to copy this application for its own use and to make it available for inspection and copying by the public, both in the form of paper files available for inspection at EPA offices and via the EPA's website.

This consent relates to this application itself and to any further information or submission, whether provided by me as Applicant, any person acting on the Applicant's behalf, or any other person.

*Colin Ryder*

**Signed by:** \_\_\_\_\_  
(on behalf of the organisation)

**Date:** 7 / 4 / 2021

**Print signature name:** COLIN RYDER

**Position in organisation:** LANDFILL MANAGER

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