

Appendix 2.2 Gatecheck Report

Contents

Energy Isles Wind Farm EIA Report Supplementary Environmental Information - Gatecheck

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Energy Isles Wind Farm

EIA Report Supplementary Environmental Information - Gatecheck

Client: Stratkraft
Project/Proposal No: 2580
Version: 1
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1. Introduction

Following the submission of the Energy Isles Wind Farm (hereafter referred to as “the Proposed Development”) application in April 2019 a number of consultee responses have been received.

The Applicant (Energy Isles Shetland Ltd) intends to submit Supplementary Environmental Information (SEI) in spring 2020 to respond to the consultee responses. This SEI Gatecheck Report provides an update on how the Applicant proposes to respond to the consultation responses and the changes that have been made to the Proposed Development design.

2. Design Alterations

As described in the 2019 EIA Report numerous design iterations were undertaken to arrive at the 2019 Layout which are fully described in Chapter 2 of the 2019 EIA Report. The 2019 Layout (Layout J) is summarised in Figure 1. Following submission of the 2019 EIA Report, and the consultation responses provided the Applicant undertook further revisions to the design of the Proposed Development, as described below.

2.1 Layout K

Following the consultation responses from Historic Environment Scotland (HES) and Scottish Natural Heritage (SNH) who raised concerns regarding the visual impact of the 2019 Layout upon Burgi Geos Scheduled Monument and the Shetland National Scenic Area (NSA) respectively, the Applicant proposed to remove turbines 1, 2, 3 and 7. The access tracks and hardstanding infrastructure associated with these turbines are also removed from the infrastructure design (i.e. borrow pit search area I and construction compound 3 (refer to Figure 2).

The Applicant met with HES, SNH and Shetland Island Council (SIC) to discuss this proposed revision to the design and to share visualisations of how these changes would look from key viewpoints.

Following this meeting HES confirmed that they accepted the proposed alterations to the design and would remove their objection to the Proposed Development.

However, SNH stated that they did not consider that Layout K sufficiently reduced the adverse effects on the NSA for SNH to remove their objection.

2.2 Layout L

Following the response from SNH on Layout K, the Applicant in discussion with their landscape architects, proposed a further reduction in turbines, removing T4 and T29 (the most northerly turbines) and their associated infrastructure from the Proposed Development. This meant the additional removal of construction compound 3 and of borrow pit search area G (refer to Figure 3).

The Applicant also proposed the reduction in height of 5, 24, 25, 26, 27 and 28 from 200 m to 180 m.

2.3 Layout M

In February 2020 the Applicant held a public information day in Cullivoe to update the public on the proposed changes to the Proposed Development Layout. The feedback from the public information days led to the reduction in height of turbines 16, 19 and 20 from 200 m to 180 m to reduce the potential impact on the visual amenity from Sellafirth (refer to Figure 4).



3. Consultation Responses

A number of consultee responses were received on the 2019 EIA Report and a summary of the Applicant's responses to these is provided below in Table 1. Full details will be provided in the SEI to be submitted in 2020.

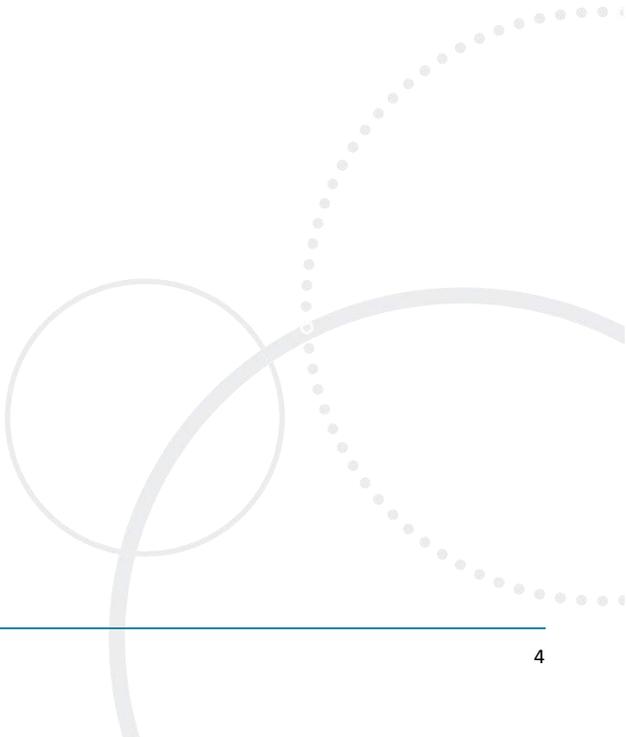




Table 1 – Energy Isles Wind Farm 2019 EIA Report Consultation Responses

Consultee	Date	Objection/Comment	2019 EIA Report Chapter	Applicant Response
British Telecom	14/05/2019	No objection.	15 Telecoms	No matters to address.
Crown Estate Scotland	25/07/2019	No objection.	General	No matters to address.
Highlands and Islands Airports	18/06/2019	No objection. Highlands and Islands Airport requested aviation lighting was included in the Proposed Development.	13 Aviation	The Applicant can confirm that as the turbines are over 150m high, in accordance with CAA requirements, aviation lighting will be installed.
Historic Environment Scotland (HES)	08/08/2019	Objection, due to the significant adverse impact of the development on the setting of the Burgi Geos, promontory fort.	9 Cultural Heritage	Further consultation with HES has been undertaken since Layout review and HES have removed their objection (see below)
HES	21/10/2019	HES rescind their objection due to turbines T1, T2, T3 and T7 being removed from the design, thereby reducing the impact of the development on the setting of the Burgi Geos promontory fort.	9 Cultural Heritage	No matters to address.
Ironside Farrar	15/07/2019	No objection, with the following comments: <ul style="list-style-type: none"> - that the Peat Landslide Hazard and Risk Assessment (2019 EIA Report, Appendix 10.4) does not state if blasting is required in the borrow pits; 	10 Geology & Hydrology	There is currently no blasting in borrow pits proposed. However, the 2019 EIA report states that following detailed ground investigations, should blasting be required to remove the rock then a blasting assessment including a vibration assessment will be undertaken and submitted to Shetland Island Council prior to construction commencing, which would be a condition of planning. The PSRA mitigation is outlined in Appendix 10.4 of the 2019 EIA Report and should include in addition to the monitoring of the ground upslope of excavation works for creep, heave, displacement, tension cracks, subsidence or changes in surface water content (in particular during blasting activities if required at nearby borrow pits) and avoiding



Consultee	Date	Objection/Comment	2019 EIA Report Chapter	Applicant Response
		<ul style="list-style-type: none"> <li data-bbox="730 438 1332 534">- a review of historical mapping data, local knowledge and newspaper articles has not been specifically referenced; and <li data-bbox="730 774 1332 805">- the number of facets used in the analysis is unclear. 		<p data-bbox="1559 311 2049 367">excavation works during blasting activities (if required at borrow pits).</p> <p data-bbox="1559 422 2116 710">Section 3 of Appendix 10.4 Peat Slide Risk Assessment of the 2019 EIA Report provides a literature review of peat instability, specifically noting landslides on Shetland (e.g. at the proposed Viking site in paragraph 3.1.6, at Channerwick in paragraph 3.1.3 and impacting on shellfish, paragraph 3.1.3). The Shetland Times is a reference provided in the reference list. Interviews with local landowners was were not undertaken.</p> <p data-bbox="1559 766 2128 1252">Section 4.3.1 of Appendix 10.4 Peat Slide Risk Assessment of the 2019 EIA Report states that the landslide susceptibility approach is based on the layering of contributory factors to produce unique 'slope facets' that define areas of similar susceptibility to failure. The number and size of slope facets will vary from one part of the site to another according to the complexity of ground conditions. In total, c. 9,093 facets were considered in the analysis, with an average area of c. 1,800m³ (or an average footprint of c. 42m x 42m, consistent with smaller to medium scale peaty soil or peat slides reported in the published literature). The number of facets stated in Section 14.3.19 is a typo and should have also said 9,093 facets.</p>
John Muir Trust	29/07/2019	No objection.	12 Socio-eco, tourism & recreation	No matters to address.



Consultee	Date	Objection/Comment	2019 EIA Report Chapter	Applicant Response
Joint Radio Company	15/05/2019	No objection.	15 Telecoms	No matters to address.
Marine Scotland	18/06/2019	No objection. Marine Scotland welcomed the proposal to develop a fish species protection plan and requested electro-fishing and macro-invertebrate surveys 12 months prior, during, and 12 months after, construction.	7 Ecology	The Applicant can confirm that a fish species protection plan will be developed, and that electro-fishing and macro-invertebrate surveys will be carried out 12 months prior to, during, and 12 months after, construction.
Ministry of Defence (MOD)	30/05/2019	Objection, due to the turbines being sited within the ASACS Saxa Vord AD radar line of sight and that the quantity of turbines visible to the radar at RRH Saxa Vord would exceed MOD 'cumulative effects' thresholds.	13 Aviation	WPAC Aviation Specialist has been undertaking ongoing consultation with MOD. As a result, in accordance with MOD policy, the Applicant has instructed SERCO Defence to undertake a mitigation study.
NATS	24/06/2019	No objection, subject to no change in turbine location	13 Aviation	Although turbines have been removed, the remaining turbines have not changed in location. The 2020 layout co-ordinates will be shared with consultees to confirm.
Royal Society for the Protection of Birds	31/07/2019	Objection, due to the impact of the development on the ornithology of the area and uncertainty concerning the accuracy of the submitted Collision Risk Model in the 2019 EIA Report.	6 Ornithology	Collision risk models have been updated to reflect comments and supported by detailed methods following industry standard guidance.
Scatsta Airport	09/08/2019	Request further information regarding impact on Fitful SSR	13 Aviation	SERCO Ltd is the contracted operator of Scatsta Airport. Their response only mentioned one specific concern, any possible impact of the turbines on the performance of the Secondary Surveillance Radar (SSR) data that is provided to them in combination with the primary surveillance radar located at Sumburgh, over 90km to the south of the Proposed Development. The PSR is located at Compass Head and the SSR at Fitful Head; both sensors are owned and operated by NATS who provide the data to Scatsta under contract. NATS is therefore



Consultee	Date	Objection/Comment	2019 EIA Report Chapter	Applicant Response
				responsible for ensuring that the sensors are unaffected by the impact of the Proposed Development. The impact of the Proposed Development on the performance of the SSR was not covered in the 2019 EIA report as it was considered unnecessary due to the fact that the distance to the SSR is over 90km and well beyond any safeguarding distance for this type of sensor as confirmed in the NATS response.
Scottish Environment Protection Agency (SEPA)	24/06/2019	No objection, subject to the following planning conditions:	10 Geology & Hydrology	
		<ul style="list-style-type: none"> - that the peat management plan is updated prior to any works on site and that all works are then carried out in accordance with the agreed plan; 		Confirm that this condition will be met
		<ul style="list-style-type: none"> - that all new infrastructure occurs outwith a 50 m buffer area of water features unless justification is provided and agreed in writing with the planning authority, in consultation with SEPA; 		Confirm that this condition will be met for all main water features as described in the EIA Report
		<ul style="list-style-type: none"> - that the applicant is enabled to micro-site the built elements of the scheme, notwithstanding the required 50 m watercourse buffer aforementioned; 		
<ul style="list-style-type: none"> - that the finalised Construction Environmental Management Plan (CEMP) is submitted to, and approved in writing by, the Planning Authority in consultation with SEPA and that all works on site are undertaken in accordance with the approved CEMP; 	Confirm that this condition will be met			



Consultee	Date	Objection/Comment	2019 EIA Report Chapter	Applicant Response
		<ul style="list-style-type: none"> - that unless agreed with the Planning Authority in consultation with SEPA, all watercourse crossings should be oversized bottomless culverts or single span bridges designed to accommodate the 1 in 200 year peak flow; 		<p>Confirm that this condition will be met for all main watercourse crossings as described in the EIA Report</p>
		<ul style="list-style-type: none"> - that it is demonstrated that there should not be an elevation of ground levels within the functional floodplain as a result of any proposed new crossing; 		<p>Confirm that this condition will be met</p>
		<ul style="list-style-type: none"> - that it is demonstrated that any diverted watercourses have the same physical characteristics and dimensions as the pre-diverted watercourse channels; 		<p>Confirm that this condition will be met where diversions cannot be avoided by detailed design</p>
		<ul style="list-style-type: none"> - that the detailed drainage design is provided to the Flood Risk Management Team of the Local Authority; 		<p>Confirm that this condition will be met</p>
		<ul style="list-style-type: none"> - that finalised extraction areas and restoration proposals for borrow pits are to be agreed with the Planning Authority in consultation with SEPA prior to works on site; and 		<p>Confirm that this condition will be met</p>
		<ul style="list-style-type: none"> - that a Decommissioning and Restoration Plan is submitted at least two years prior to the end of the design life of the development. 		<p>Confirm that this condition will be met</p>
		<ul style="list-style-type: none"> - that 100 m micro-siting allowance is only granted when additional peat survey data is provided to cover the full micro-siting allowance; 		<p>Confirm that this condition will be met</p>



Consultee	Date	Objection/Comment	2019 EIA Report Chapter	Applicant Response
		<ul style="list-style-type: none"> - that further adjustment is made to the layout design to reduce the level of expected peat extraction; 		2020 Layout has reduced impacts on peat due to the removal of turbines and infrastructure. Peat has been given careful consideration throughout the design process, along with other identified constraints.
		<ul style="list-style-type: none"> - that the finalised CEMP includes details of the full range of measures to be put in place to protect surrounding wetland habitats, including micro-siting and mitigation measures; 		Confirm that this condition will be met
		<ul style="list-style-type: none"> - that once the ground investigation is complete, detailed drawings and method statements for the location, operation and restoration of the borrow pits should be submitted for approval; 		Confirm that this condition will be met
		<ul style="list-style-type: none"> - that borrow pits E, H and I are either micro-sited or reduced in size in order to protect nearby watercourses; and 		Justification for the siting of infrastructure highlighted by SEPA will be provided within the SEI. Borrow pit I is no longer proposed as part of the SEI.
		<ul style="list-style-type: none"> - it should be noted that if effluent will be disposed of on site after appropriate treatment, authorisation is required under Controlled Activities Regulations for any discharges to land or the water environment from private foul drainage systems. 		Confirm that this condition will be met
Scottish Forestry	21/05/2019	No objection. Scottish Forestry states that it is to be noted that there are small areas of broadleaf on the site and requests confirmation that none will be felled.	7 Ecology	The Applicant can confirm that no felling is proposed and a statement to this effect will be included within the SEI.
Scottish Natural Heritage	15/07/2019	Objection, due to:	5 LVIA	Revision of layout with reduction of turbine number has reduced the impact on NSA.



Consultee	Date	Objection/Comment	2019 EIA Report Chapter	Applicant Response
		<ul style="list-style-type: none"> - significant adverse effects on the special qualities of the Shetland National Scenic Area; - uncertainty surrounding the effect of the development on the integrity of the Bluemull and Colgrave Sounds proposed Special Protection Area; and - insufficient information provided to determine whether the development would adversely affect regional populations of breeding birds, particularly red-throated diver. 	6 Ornithology	Collision risk models have been updated to reflect the comments from SNH, and further detail provided to assure that the models have been applied in accordance with guidance. This information will be provided within the SEI.
Scottish Water	28/05/2019	No objection. Scottish Water requests that consultation is undertaken during the detailed design process to ensure that there are no impacts upon assets and that appropriate mitigation is implemented continually.	10 Geology & Hydrology	Confirm that this condition will be met
Scot Ways	22/07/2019	<p>Objection due to:</p> <ul style="list-style-type: none"> - the lack of an access management plan in the 2019 EIA Report which raises Scot Ways concerns about public access to the site; and - T29 and the potential borrow pit area are in close proximity to a nearby Walkhighlands route. 	12 Socio-eco, tourism & recreation	<p>An Outdoor Access Plan will be developed post consent and will be agreed with SIC. This will provide details of access management. Access will be maintained to the site under Scottish "Right to Roam" laws.</p> <p>T29 has now been removed from the 2020 Layout and as such the impact on the Walkhighlands route has been removed.</p>
Scottish Water	28/05/2019	No objection. Scottish Water requests that consultation is undertaken during the detailed design process to ensure that there are no impacts upon assets and that appropriate mitigation is implemented continually.	10 Geology & Hydrology	Confirm that this condition will be met



Consultee	Date	Objection/Comment	2019 EIA Report Chapter	Applicant Response
Shetland Amenity Trust	17/05/2019	No objection, with the following requests:	9 Cultural Heritage	SEI will include reference to the ground breaking works watching brief as requested.
		- that the watching brief for ground breaking works is changed to specifically stipulate that all ground-breaking works, including any which may take place outside the development area (such as the preparation of lay-down areas, quarries or borrow pits); and		The features mentioned near Burgi Geos are outwith the site boundary and would not be subject to any direct impacts. They have been treated in accordance with guidance, and further details are provided within the SEI.
	18/07/2019	Objection, based on the following terms:	7 Ecology	Shetland Amenity Trust will be invited to form part of HMP Stakeholder Group and will therefore be able to feed into blanket bog management measures.
		- due to the adverse impact of the development on blanket bog habitats;	5 LVIA	Revision of layout with reduction of turbine number has reduced potential landscape and visual impact. Assessment has been carried out in line with accepted guidance. The Proposed Development site is not within a Wild Land area.
- due to the adverse impact of the develop on an area which the consultee considers as a “wilderness area”;				
- due to cumulative landscape impacts; and	6 Ornithology / 7 Ecology	Collision risk models have been updated to reflect comments and supported by detailed methods following industry standard guidance and will be provided in the SEI.		
- due to concerns regarding the ornithology impact assessment methodology.				
Shetland Bird Club	22/07/2019	Objection, due to a belief that the 2019 EIA Report underestimated the adverse effects of the development on bird populations and blanket bog	6 Ornithology	Enhancement of merlin nesting habitat will be detailed in the HMP.



Consultee	Date	Objection/Comment	2019 EIA Report Chapter	Applicant Response
		<p>damage. Shetland Bird Club request, if the development is approved, that:</p> <ul style="list-style-type: none"> - the habitat management plan is more detailed and extensive, including the enhancement of merlin nesting habitat; 		
		<ul style="list-style-type: none"> - any habitat enhancement of blanket bog be subject to consultation with the Shetland Amenity Trust 	7 Ecology	Shetland Amenity Trust will be invited to form part of HMP Stakeholder Group and will therefore be able to feed into blanket bog management measures.
Shetland Islands Council – Economic Development	20/08/2019	No objection.	General	No matters to address.
Shetland Islands Council – Environmental Health Officer	16/07/2019	<p>No objection, subject to the following request:</p> <ul style="list-style-type: none"> - no work is undertaken on Sundays or on local and national public holidays. 	3 Proposed Development	The Applicant can confirm that standard working hours will conform to this and will be clarified within the SEI.
Shetland Islands Council – Harbour Master	06/08/2019	<p>No objection, subject to the following requests:</p> <ul style="list-style-type: none"> - that information regarding the proposed barge/vessel used for delivering turbine components is supplied; 	11 Traffic	A detailed Traffic Management Plan including details of road and marine access can be prepared as part of a planning condition submission
		<ul style="list-style-type: none"> - that a detailed proposal which would indicate how the operation of transporting turbine components to the site would avoid conflict with the ferry timetables, taking note of the blue light requirements to access the Northern Isles; and 		
		<ul style="list-style-type: none"> - that the Traffic Management Plan is designed so as to avoid the peak travelling hours for islanders. 		



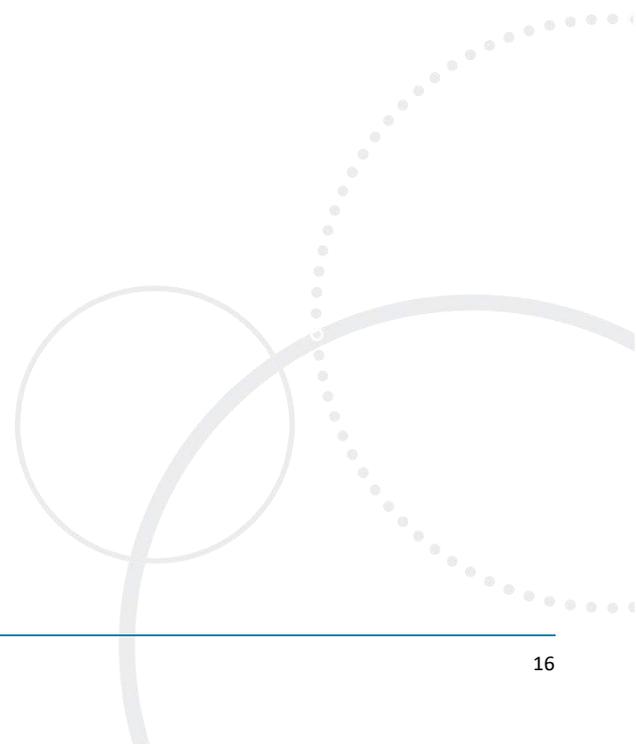
Consultee	Date	Objection/Comment	2019 EIA Report Chapter	Applicant Response
Shetland Islands Council – Marine Planning	27/06/2019	No objection.	General	No matters to address.
Shetland Islands Council – Outdoor Access Officer	03/06/2019	No objection, subject to the following requests:	12 Socio-eco, tourism & recreation	Assessment of these are covered indirectly within the EIAR. More direct references to this will be provided within the SEI.
		<ul style="list-style-type: none"> - that impact of the development on activities of fishing, photography, art, nature studies and wild camping are addressed; - that the Applicant provides as assessment of the effects of the development's impact on access routes and recreation interests via an Outdoor Access Plan, which demonstrates consultation with users groups, community and tourism groups, and the Shetland Outdoor Access Forum. Also, information should be provided regarding how the Applicant will optimise the use of new and existing infrastructure, and desire lines to provide safe and convenient recreational activities for users. 		An Outdoor Access Plan will be developed post consent and will be agreed with SIC. This will provide details of access management. Access will be maintained to the site under Scottish "Right to Roam" laws.
Shetland Islands Council – Planning Flooding Drainage Coastal	07/06/2019	No objection, subject to the following request:	10 Geology & Hydrology	Details of Drainage will be part of the CEMP and will be agreed with SIC prior to commencement of construction.
Shetland Islands Council – Road Authority	10/07/2019	No objection, subject to the following requests:	11 Traffic	A suitable condition dealing with road condition surveys can be met, as can a condition relating to possible peat removal from site. Further details of the import of aggregate and that impact on the ferry service will be provided prior to the start of works on site, once the Balance of Plant contractor has been appointed and the exact locations for quarried materials has been commercially agreed.
		<ul style="list-style-type: none"> - that road condition surveys are carried out between any of the potential material sources or transportation hub points to the site; - that potential ferry capacity issues with regard to imported aggregate is investigated in detail with the Councils Ferry Service; and 		

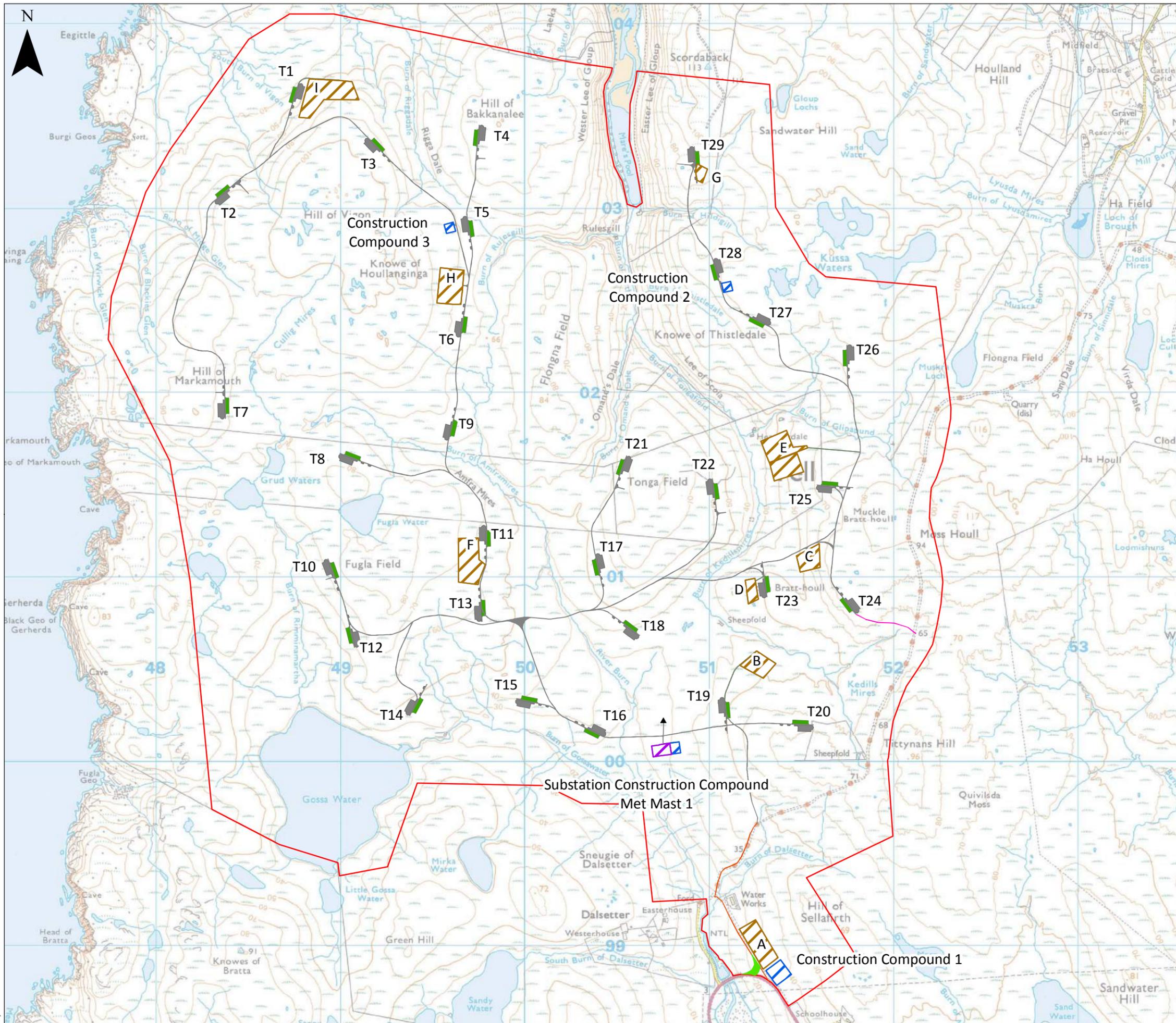


Consultee	Date	Objection/Comment	2019 EIA Report Chapter	Applicant Response
		- that any changes with regard to peat removal from site be proviso to additional consent so that appropriate control or mitigation measures can be ensured.		
Tingwall Airport	25/07/2019	No objection.	13 Aviation	No matters to address.
Transport Scotland	10/06/2019	No objection.	11 Traffic	No matters to address.
Unst Community Council	09/08/2019	No objection.	General	No matters to address.
Visit Scotland	23/05/2019	No objection. Visit Scotland requests that the impacts on tourism are assessed in full and consideration is given to the local tourism industry and the local economy.	12 Socio-eco, tourism & recreation	The EIAR has covered tourism and the assessment can be found in Appendix 12.1. The SEI will provide an update of any changes to the tourism and economic impact assessments.
Yell Community Council	24/06/2019	Objection, due to the environmental impact, visual impact, noise level of the development alongside the height and number of turbines proposed.	General	Environmental topics have been duly assessed within each relevant technical chapter. Six turbines have been removed from the layout to a total of 23, and nine of these turbines have been lowered in height from 200 m to 180 m.



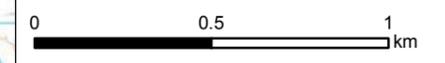
Figures





KEY

- Site Boundary
- T1 Turbine Identifier
- Turbine Hardstanding and New Access Track
- Temporary Laydown Area
- New Access Track for Emergency Use Only
- New Access Track for Abnormal Loads Only
- Upgrades to Existing Road
- Substation
- Potential Borrow Pit Search Area
- A Borrow Pit Search Area Identifier
- Temporary Construction Compounds
- ▲ Met Mast (note symbol does not indicate met mast size just its location)



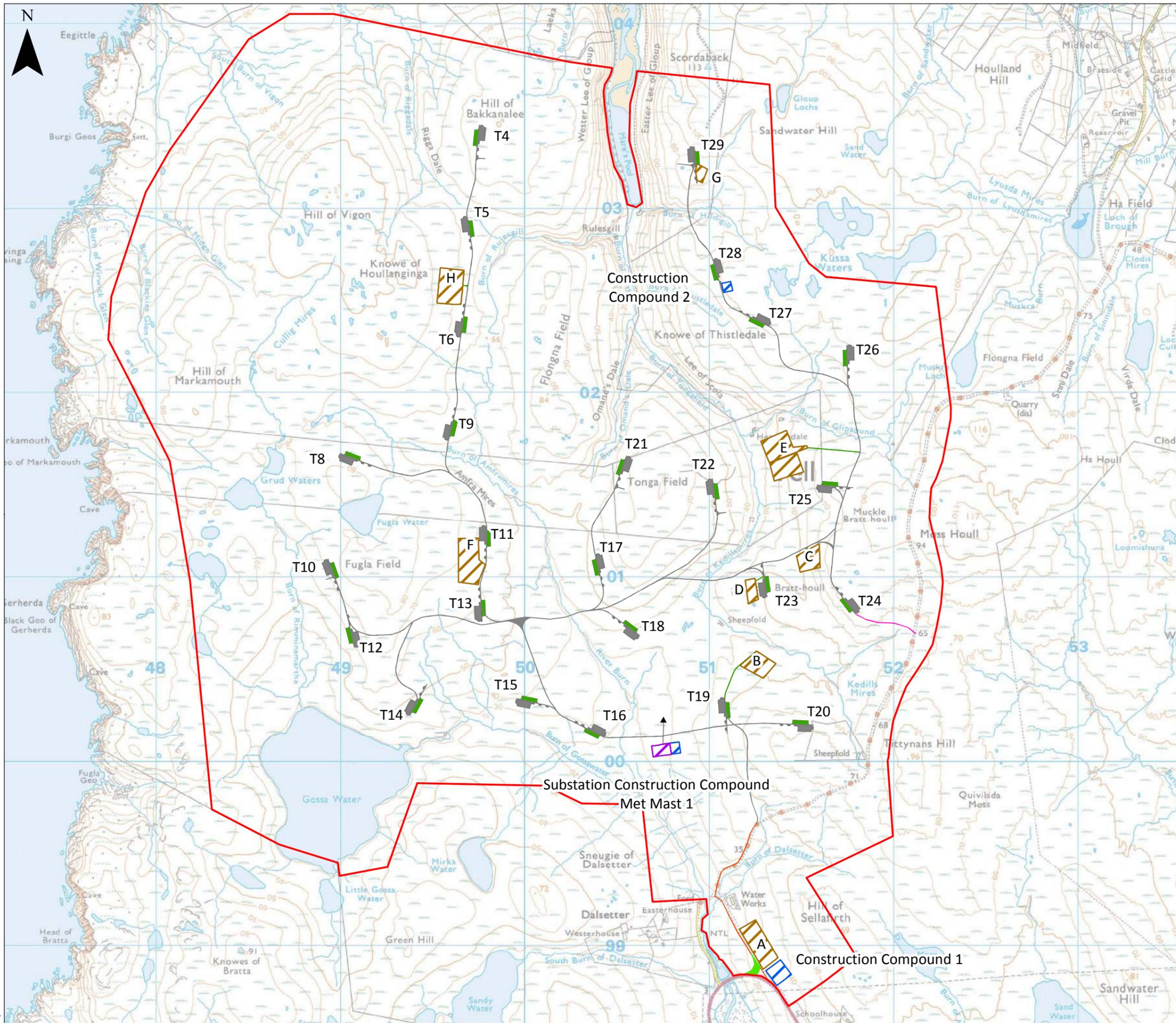
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Energy Isles Wind Farm
SEI Gatecheck
Figure 1
2019 Layout (Layout J)

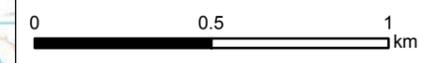
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KEY

	Site Boundary
	Turbine Identifier
	Turbine Hardstanding and New Access Track
	Temporary Laydown Area
	New Access Track for Emergency Use Only
	New Access Track for Abnormal Loads Only
	Upgrades to Existing Road
	Substation
	Potential Borrow Pit Search Area
	Borrow Pit Search Area Identifier
	Temporary Construction Compounds
	Met Mast (note symbol does not indicate met mast size just its location)



Scale 1:20,000 @ A3



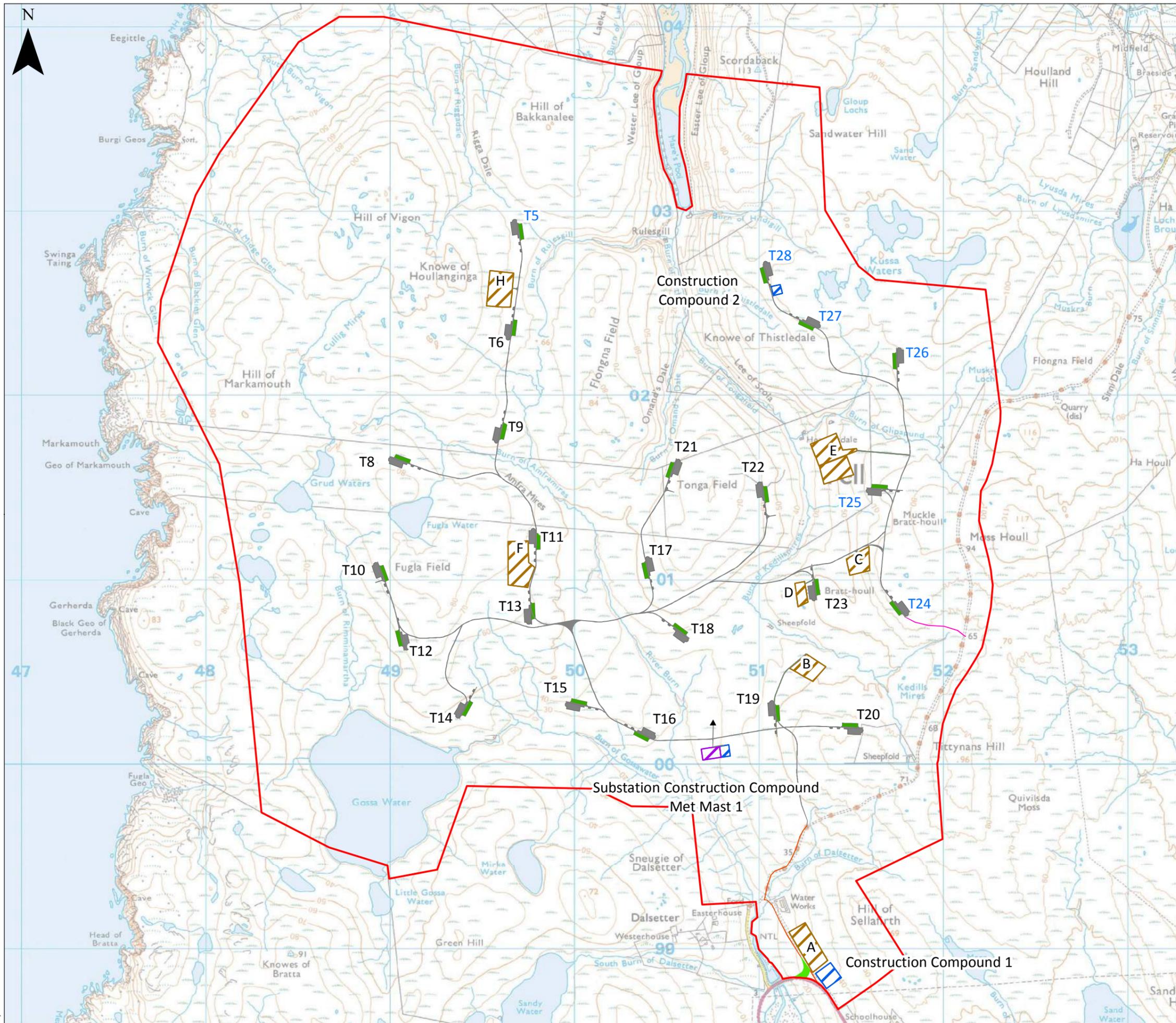
Energy Isles Wind Farm
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Figure 2

Layout K

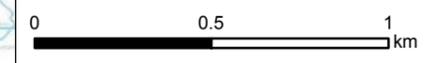
Date: 23/03/2020	Drawn by: ST	Checked by: RT	Version: V1
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KEY

- Site Boundary
- T1 200m Turbine Identifier
- T5 180m Turbine Identifier
- Turbine Hardstanding and New Access Track
- Temporary Laydown Area
- New Access Track for Emergency Use Only
- New Access Track for Abnormal Loads Only
- Upgrades to Existing Road
- Substation
- Potential Borrow Pit Search Area
- A Borrow Pit Search Area Identifier
- Temporary Construction Compounds
- ▲ Met Mast (note symbol does not indicate met mast size just its location)



Scale 1:20,000 @ A3



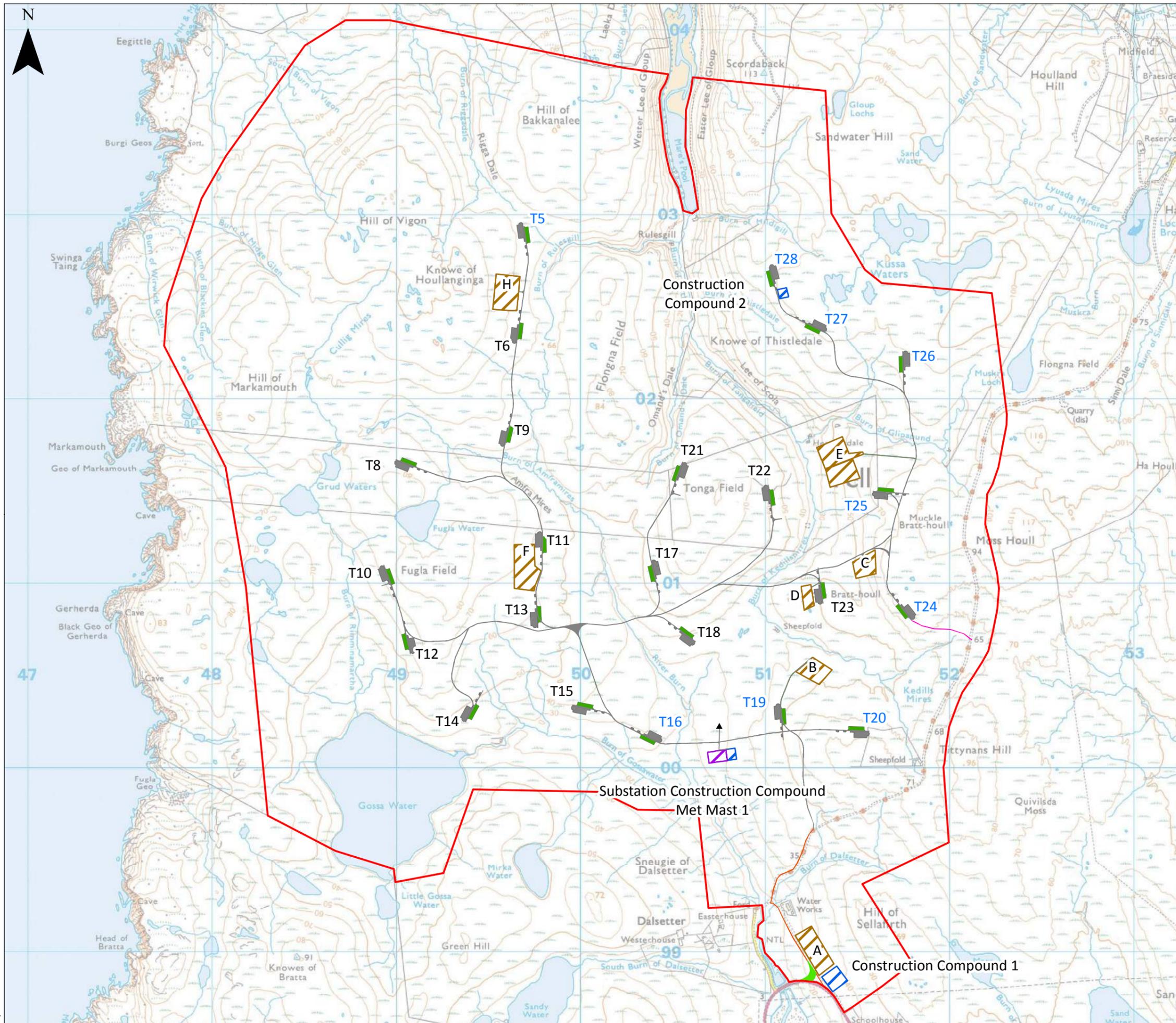
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Figure 3

Layout L

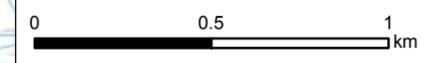
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KEY

	Site Boundary
	200m Turbine Identifier
	180m Turbine Identifier
	Turbine Hardstanding and New Access Track
	Temporary Laydown Area
	New Access Track for Emergency Use Only
	New Access Track for Abnormal Loads Only
	Upgrades to Existing Road
	Substation
	Potential Borrow Pit Search Area
	Borrow Pit Search Area Identifier
	Temporary Construction Compounds
	Met Mast (note symbol does not indicate met mast size just its location)



Scale 1:20,000 @ A3



Energy Isles Wind Farm
SEI Gatecheck

Figure 4

Layout M

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