



Comhairle Contae Chill Mhantáin Wicklow County Council

Wicklow County Council -

Forbairt Pobail, Cultúrtha & Sóisialta -
Community, Cultural & Social Development

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January 2024

An Bord Pleanála,
64 Marlborough Street,
Dublin 1,
D01 V902.

25th of January 2024.

Re: Blessington Greenway consisting of approximately 33 kilometres of walking and cycling paths that travels around Poulapouca Reservoir/Blessington Lake. Various townlands in the Counties of Wicklow and Kildare.

ABP Ref: ABP-312479-22

Dear Sir,

In response to An Bord Pleanála's request for further information, we are pleased to submit two hard copies and one digital copy of the requested materials that addresses each of the specified items in the Request for Further Information (RFI). Enclosed within this submission are the documents, and reports (listed in Appendix A) and the pertinent drawings (Appendix B) prepared to meet the requirements outlined in the RFI. Our team has dedicated substantial effort so that there is clarity and completeness of the provided information, aiming to facilitate a thorough understanding of the proposed Greenway development (hereafter referred to as the proposed development).

RFI Item 1

The Board notes the preliminary nature of the drawings submitted with the application for approval. The submitted scale of 1:2000 at A3 and the submitted quality of the "high" resolution digital drawings are not adequate for the Board to properly assess the proposed development in terms of its impact within its immediate context and where it adjoins, overlaps/ encroaches or is in proximity to designated sites. Drawings should be of an appropriate scale/ resolution for hard/ digital copies respectively, and engineering details should be shown along the route to include land ownership, levels, cuttings and embankments, extent of rock armour, bridge structures, existing and proposed fencing, detailed junction design and signage, watercourses, drainage, landscaping, lighting, details on car park extensions and facilities, rights of way/ extinguishment of rights over land, etc.



Response to Item 1

In response to the specific request for additional information outlined by the Board, a set of supplementary drawings has been prepared and is now presented to an appropriate scale. These newly provided drawings aim to address the concerns raised by the Board regarding the preliminary nature of the initial submissions. Specifically, the inadequacies in the submitted scale (1:2000 at A3) and the quality of the "high" resolution digital drawings have been rectified to ensure a more thorough assessment of the proposed development.

The revised drawings, included in this submission, offer enhanced clarity and detail of the envisaged works for the proposed eGreenway. The scale has been adjusted to meet the Board's standards for both hard and digital copies, providing a more accurate representation of the project's impact within its immediate context and in relation to designated sites. Additionally, these drawings now incorporate crucial engineering details along the route, encompassing such information on land ownership, levels, cuttings and embankments, rock armour extent, bridge structures, fencing, junction design and signage, watercourses, drainage, landscaping, and specifics regarding car park extensions and facilities, as well as rights of way over land. For easy reference, a comprehensive list of these revised drawings is compiled in **Appendix B**.

RFI Item 2

A number of submissions have been received by the Board in relation to existing access and rights of way to the shoreline. The applicant shall engage with parties with rights of way over the proposed eGreenway with the view to providing continued access that does not interfere with the safe operation and free flow of the eGreenway. Rights of way shall be clearly highlighted on application drawings and proposals shall be submitted to the Board on access arrangements, together with evidence of all agreements reached with parties.

Response to Item 2

After a thorough review of all Tailte Éireann data, we have identified all relevant 'Rights of Way' via the Land Direct portal. There is only one right of way near the settlement of Lacken that is intersected by the proposed greenway, and this has been clearly outlined in drawing titled "**Rights of Way Lacken**" (Sheet No. 60617025_SK_LACKEN_ROW).

This drawing outlines measures for maintaining continued access to the right of way without disrupting the safe operation and free flow of the eGreenway. Although engagement has begun with the relevant parties to discuss arrangements for maintaining access to the reservoir shore, as of the submission date, no agreement has been reached. Nevertheless, ongoing engagement with the relevant parties is planned with the aim of reaching an agreement that satisfies all parties involved.

RFI Item 3

The Transport Assessment accompanying the planning application and the Bridge Shuttle Study rely on traffic surveys that were undertaken from Tuesday 4th May - Wednesday 19th May 2021. These surveys took place during the gradual lifting of lockdown restrictions associated with the Covid-19 Pandemic when Level 5 restrictions were being removed and when indoor hospitality remained closed. All non-essential retail reopened for the first time in over four months on 17th May 2021. Having regard to the concerns raised in submissions on the application for approval that traffic surveys conducted during lockdown do not accurately represent the current usage of the local road network, the Board requests updated traffic surveys that will properly reflect existing movement patterns-around the route of the proposed eGreenway. This should include an assessment of the traffic situation at weekends when people are attracted to the lake for leisure and amenity purposes. The Transport Assessment should be updated to reflect the current usage of the proposed local road network from updated surveys and the impact of the proposed eGreenway on all modes of transport.

Response to Item 3

A “Transport and Traffic Assessment” report, dated December 2023, has been prepared in response to RFI Item 3. Detailed and updated traffic surveys were conducted in 2023 and the report prepared examines the potential impacts associated with the operation of the development, in relation to traffic and transportation.

The assessment concludes that the road network can satisfactorily accommodate the increase in traffic associated with the operational stages of the proposed development.

RFI Item 4

The Board is concerned that the proposed eGreenway may attract significant journeys by private car with an overall potential to generate increased emissions, congestion and motor traffic dominance in the surrounding area. The applicant should submit to the Board a comprehensive sustainable transport access strategy for the eGreenway that should include measures to minimise private car use.

Response to Item 4

A “Transport and Traffic Assessment” report, dated December 2023, has been prepared in response to RFI Item 4. The report focuses on a sustainable access transport strategy, which identifies limited availability for public transport in the surrounding area. Wicklow County Council is committed to actively promoting and supporting the delivery of additional bus services for the region. Additionally, the council will advocate the use of the existing bus services already operating in the area and will encourage the shared use of vehicles for those traveling to use the greenway. This approach aligns with sustainability goals and aims to minimise the potential negative impacts of private car use.

RFI Item 5

The applicant shall carry out a review of the eGreenway design having regard to the requirements of the TII publication "Rural Cycleway Design (Offline & Greenway), DN-GEO- 03047, August 2022". The applicant is referred to Section 4 of these Design Standards and to Table 4.2, which sets out Rural Cycleway (Offline and Greenway) Design Requirements. The applicant shall also prepare a Safety and Quality Audit of the proposed eGreenway in accordance with Appendix A of the TII document and Section 5.4 of the Design Manual for Urban Roads and Streets. This shall include universal accessibility considerations and confirmation that the eGreenway can be used by people requiring mobility assistance and those with sight impairment. Road crossing details shall be in accordance with Section 5 of the document, e.g. tactile blisters shall be provided where applicable. Consideration shall also be given to potential crosswinds.

Response to Item 5

The drawings listed in Appendix B have been developed with reference to TII publication "Rural Cycleway Design (Offline & Greenway), DN-GEO- 03047, August 2022 Section 4 of these Design Standards and to Table 4.2, which sets out Rural Cycleway (Offline and Greenway) Design Requirements.

An updated "Road Safety Audit" and "Quality Audit" has been carried out in response to RFI Item 5 and any issues that have been identified will be addressed during detailed design prior to any construction taking place. Wicklow County Council can also confirm that the greenway will be accessible and useable for all levels of ability and that all appropriate tactile paving will be provided in accordance with current standards or guidelines.

Crosswinds were not identified as a safety concern in the Road Safety Audit, largely due to the sheltered nature of much of the greenway routes as they pass through forest plantations. Consequently, the impact of crosswinds on the greenway is not anticipated to be significant. To further ensure the safety of users of the greenway, a Stage 2 Road Safety Audit will be carried out before construction. This additional audit aims to thoroughly address any potential crosswind hazards that may arise during the operational phase.

RFI Item 6

The Board notes the gradient and road conditions of the Tulfarris section of the proposed eGreenway. Consideration shall be given to redefining this section of the eGreenway as a link route. Additional link routes to the eGreenway and proposed treatments to warn motorists of pedestrians and cyclists shall also be considered from other points along the eGreenway, e.g., Blessington and the villages. The applicant is referred to Section 3.4 of the "Rural Cycleway Design (Offline & Greenway), DN-GEO-03047, August 2022" relating to the use of existing local and unclassified road infrastructure.

Response to Item 6

After careful consideration, Wicklow County Council has decided to redesignate a section of the greenway on the public road network between the main greenway loop at Boystown and the Greenway section in Tulfarris as a 'link route.' This decision aims to rationalise the greenway infrastructure hierarchy. Revised drawings (plans & profiles) have been prepared, taking into account Section 3.4 of the 'Rural Cycleway Design (Offline & Greenway), DN-GEO-03047.' These drawings include details about the measures proposed to warn motorists of vulnerable road users.

RFI item 7

The applicant shall demonstrate compliance with the Design Manual for Urban Roads and Streets where the proposed eGreenway interacts with urban roads and streets with a speed limit of 60 km/h or less. In particular, the applicant is requested to assess the potential for conflicts between cyclists and pedestrians and loading/ unloading arrangements on the sections of the eGreenway through Blessington.

Response to Item 7

A technical note has been prepared titled “**Technical Note on parking arrangements on Blessington Main Street for Blessington eGreenway**”. This note outlines existing conditions and the proposed arrangements associated with the proposed development. The note also addresses how the proposals align with the Design Manual for Urban Road and Streets with respect to the provision of segregation between vehicular traffic and active travel. The Design Manual for Urban Road and Streets outlines the importance of delivering connectivity by active travel and managing traffic speeds. The proposals provide a connectivity between the greenway to the north and south of Blessington town centre allows for safe travel for anybody using the greenway. Introducing speed control (raised tables) along the quiet routes helps mitigate traffic speeds and increase safety along the route. The note also references proposals to develop a ‘Town Centre Regeneration Scheme for Blessington Town Centre which has a wider remit than the Blessington eGreenway scheme to deliver streetscape enhancement in the town centre in accordance with the Design Manual for Urban Roads and Streets.

RFI Item 8

The applicant shall carry out a review of the eGreenway facilities having regard minimum requirements for ancillary infrastructure set out in the Rural Cycleway Design (Offline & Greenway) Standards, August 2022. In particular, the Board requests the following:

- (i) Proposals for toilet facilities to serve the proposed eGreenway at appropriate locations.*

- (ii) Identification of desirable amenities, points of interest and rest areas within the study area that could be potential stopping points for users of the eGreenway and where agreements can be put in place for toilet facilities to be made available for public use.*

The eGreenway should have the necessary facilities for a good visitor experience taking advantage of scenic viewing points.

Response to Item 8 (i)

Blessington town will serve as the primary trailhead for the route. Public toilet facilities already exist in the town and there are plans for additional toilet facilities at the proposed Blessington Hub. The Blessington Hub, a new greenway facility to be developed by Wicklow County Council, will feature a permanent Tourist Office, community meeting room/classroom, and a changing places facility. The design also envisions incorporating the history of the lakes into the building.

Furthermore, amenities and facilities, including toilets, are available in the nearby settlements along or adjacent to the route. The promotion of these amenities within these settlements is expected to foster interaction with the greenway's development, contributing to the support of local economies.

Response to Item 8(ii)

The layout drawings accompanying this submission now depict desirable amenities, points of interest, including those identified in the Blessington Heritage Trail Map, and rest areas.

RFI Item 9

The applicant is referred to the guidance on greenway maintenance and management as set out in Chapter 9 of Rural Cycleway Design (Offline & Greenway) Standards and to Appendix D: Cycleway Pavement Routine Maintenance. The Board requests the submission of a greenway management plan that should include the following:

- (i) Details of maintenance and management proposals.*
- (ii) Fencing and boundary treatments*
- (iii) Hours of operation and access arrangements*
- (iv) Measures for controlling or for implementing an outright ban on dogs, apart from guide dogs, (the applicant should note that the Department of Housing, Local Government and Heritage has concerns regarding the impact of dog fouling on water quality and dogs roaming off lead being a source of considerable disturbance to birds and mammals).*
- (v) An emergency access plan for the facility including details of the demarcation and/or safety barriers etc. proposed between the eGreenway and the public road at bridges.*
- (vi) Provision of a greenway code of conduct incorporating a "leave no trace" philosophy.*
- (vii) A plan for monitoring and evaluation as set out in accordance with Section 8 Rural Cycleway Design (Offline & Greenway) Standards.*

Response to Item 9(i)

In response to this item, we have developed an “**Outline Maintenance and Management Plan**” for the Blessington eGreenway. This plan will undergo further development and refinement prior to the greenway's public opening and covers the following key topics:

1. Operational Management Structure
2. Greenway Management Duties
3. Financial Resources
4. Inspection and Maintenance Plan and Activities
5. Monitoring
6. Complaint Management and Resolution
7. Code of Conduct
8. Control of Dogs
9. Water Safety
10. Operational Hours
11. Severe Weather Response Plan
12. Emergency Response Plan
13. Trail Accreditation and Insurances

Please refer to the outline Maintenance and Management Plan included in the submission. We believe this plan will provide a robust framework for the effective and safe operation of the Blessington eGreenway.

Response to Item 9(ii)

Wicklow County Council envisions that the majority of existing fencing along the route of the proposed eGreenway will remain unaltered. This commitment is rooted in preserving the landscape while ensuring the safety of both the public utilising the greenway and local livestock.

To achieve this, the Council is dedicated to engaging with the ESB, the majority landowner, and adjoining landowners along the greenway. This engagement will involve a case-by-case review of boundaries to understand each individual stakeholder requirements and with reference to the existing provision. The primary goal is to prevent trespassing and create a secure environment for all stakeholders.

In this endeavour, Wicklow County Council will ensure boundary treatments will adhere to the "Code of Best Practice for National and Regional Greenways." This commitment ensures that the greenway's development aligns with established standards for boundary treatment and fencing, reflecting a responsible and community-centric approach.

The decision-making process regarding any new fencing will be collaborative and flexible. Wicklow County Council, in consultation with individual landowners, will determine the type and extent of any new fencing on a case-by-case basis. This tailored approach recognises the unique characteristics of each property and will seek to foster cooperative decision-making.

For guidance, the Council will draw upon fencing types already established by the Transport Infrastructure Ireland (TII). These types, exemplified by the standard Timber Post and Rail Fence (CC-SCD-00301), can be explored on the TII publications website at www.tiipublications.ie.

Response to Item 9(iii)

While the greenway does not have set operational hours, it is assumed that the majority of users will utilise it during daylight hours, which naturally vary across seasons. Nevertheless, the car parks under the control of Wicklow County Council and ESB will be managed and will be operational only during daylight hours. The proposed operating hours of these carparks, subject to periodic review and adjustments based on user demand, are as follows:

- Summer Daylight Saving Time: Typically, 9 am to 8 pm
- Winter Daylight Saving Time: Typically, 9 am to 5 pm

The alignment of typical operational hours with daylight aims to enhance visibility and reduce potential safety hazards during low-light conditions. Recognising that user demand and preferences may vary, Wicklow County Council are committed to regularly evaluating these hours to ensure they effectively cater to the needs of our users and the community.

Response to Item 9(iv)

The outline Maintenance and Management Plan prepared for the proposed development takes into consideration measures for controlling dogs on the greenway and includes the measures outlined below. These measures will be implemented during the operational phase of the scheme.

Wicklow County Council, in conjunction with the code of conduct, would like to remind all dog owners of their responsibilities, which are outlined below:

- Keep your dog on a leash. Have consideration for others, such as guide dogs, the elderly, and children, and by keeping your dog on a lead on the Greenway.
- All dog owners must keep their dogs under effectual control.
- All dog owners must have a licence for each dog in their possession or a general dog licence to cover all dogs in their possession - you can purchase a dog licence from the Post Office or from your local authority.
- All dog owners must ensure that every dog under their control shall at all times wear a collar bearing the name and address of the owner and that the name and address are legible.
- All dog owners must collect and properly dispose of faeces deposited by their dog on the Greenway.

For Dog owners that have a restricted dog breed or strains and crosses of them, those dogs must be:

- Kept on a short strong lead by a person over 16 years who is capable of controlling them.
- Muzzled whenever they are in a public place.
- Wear a collar bearing the name and address of their owner at all times.

In accordance with The Dog Control Act 1986, as amended and The Control of Dogs Regulations updated 2023.

Why the control of dogs is necessary?

- Dog faeces are foul-smelling, unsightly and are a potential source of serious disease, particularly for children. Dog faeces is a particular nuisance on greenways where it is likely to be rolled on by cyclist, wheelchair users or by prams or buggies and stepped on by other users of the greenway, or handled by small children along the greenway.
- A barking dog will frighten livestock and increase the likelihood of them running away and dogs will chase any animal that runs away from them, it is a natural instinct of dogs.
- By chasing livestock, dogs are likely to cause the animals to be injured on barbed wire fencing or to get stuck in drains, or even drowned in rivers. Chasing pregnant animals can cause abortions, stillbirths and other difficulties at birth. Animals that have been chased, particularly where it happens repeatedly, suffer from stress and will not feed or thrive properly. Where a dog corners an animal, it will attack the animal by biting it. This often results in serious injuries and, in the case of sheep, frequently causes the death of the animal.

Wicklow Council will also commit to the following actions:

- Providing appropriate signage at all trailheads to remind Greenway users of their responsibilities regarding the control of dogs.
- Installing suitable receptacles at all trailhead locations to allow dog owners to dispose of dog faeces in a safe and sanitary manner.
- Monitor compliance with these dog control measures.

Response to Item 9(v)

An Emergency Access Plan will be developed in conjunction with the Maintenance and Management Plan for the Blessington eGreenway, as detailed in the accompanying document titled "**Outline Maintenance and Management Plan**". Vehicular access from public points along the greenway will be restricted, allowing entry only for designated personnel and emergency services involved in maintenance and emergency response. Those emergency access point have been identified on the plan and profile drawings that accompanies this submission.

Locked chicanes/demountable bollards will be installed at points where the greenway meets the public road network. These access points are designed to be unlocked by emergency services as needed. The necessary key or code for unlocking these chicanes/bollards will be made readily available, ensuring swift and unimpeded access when required. Additional information can be found in the Outline Maintenance and Management Plan accompanying this submission.

Response to Item 9(vi)

Wicklow County Council is committed to developing a comprehensive greenway code and encourages all users to adhere to it. The greenway users' code aims to foster mutual safety and respect among pedestrians and cyclists, promoting responsible behaviour towards other users and the local environment. Users will be urged to observe all local bylaws, notices, and practice the 'Leave No Trace' ethic.

The code will provide specific advice for cyclists and pedestrians concerning interactions with animals, wildlife, and the environment. By establishing and promoting these guidelines, we aim to create a positive and sustainable experience for all users of the greenway. The code will remind users of the following:

All Users Should:

- Recognise pedestrians' priority over cyclists.
- Consider and respect other users and the local environment.
- Observe any local bylaws and notices.

Cyclists Should:

- Ring their bell to catch the attention of pedestrians and other users.
- Pass people slowly and give people space.
- Ride at an appropriate and safe speed for all.
- Take special care at junctions and crossings.
- "be safe be seen".
- Take extra care with joining and cycling on the road and public car parks.
- Adhere to the Rules of the Road.

Pedestrians Should:

- Listen for cyclist's bells.
- Allow cyclists to pass safely.
- Keep dogs on a leash.

Plan Ahead and Prepare

- Respect any signs, regulations, policies and special concerns for the area. Where possible travel by public transport or share cars, consider the availability of parking.
- Ensure you have the skills and equipment needed for your activity and to cope with emergencies that could arise.
- Check the weather forecast and always be prepared for changing weather conditions.
- For environmental and safety reasons, and to minimise your impact on other users, keep group numbers small, split larger parties into smaller groups.

Be Considerate of Others

- Respect the people who live and work in the countryside.

- Respect other visitors and protect the quality of their experience.
- Let nature's sounds prevail - keep noise to a minimum.

Respect Farm Animals and Wildlife

- Dogs should always be kept on a lead.
- Observe wild animals and birds from a distance and avoid disturbing them.
- Keep wildlife wild, don't feed wild animals or birds.

Leave What You Find

- Respect property - for example, leave gates as you find them (open or closed).
- Preserve the past – examine, without damaging – structures of interest, viaducts, tunnels, points of interest.
- Conserve the present, leave rocks, flowers, plants, animals and all habitats as you find them.

Dispose of Waste Properly

- "Pack it in Pack it Out" - take home all litter and waste.
- Litter and dog fouling receptacles will only be available at Trail head locations.

Respect the water

- Observe the water safety guidance and signage for your safety.
- Swimming in the lake is prohibited for safety reasons.
- Fishing is allowed by the way of a permit issued by the ESB.
- For the usage of a boat on the lake, a boat permit application must be made to the ESB. No inflatables are allowed on the lake.

The greenway code will be available on the dedicated website and displayed on greenway signage at all entry points.

Response to Item 9(vii)

In reply to the request for additional information, Wicklow County Council is dedicated to the monitoring and evaluating the greenway. Our primary objective is to guarantee the efficient application of Rural Cycleway Design Standards (Offline & Greenway) detailed in Section 8. To achieve this, we have formulated a comprehensive "**Monitoring and Evaluation Plan**" with the following objectives:

- Assess adherence to established standards.
- Assess the demand.
- Identify areas for enhancement and determine investment priorities.
- Aid in the planning and construction of present and future interventions.
- Demonstrate the economic advantages derived from the greenway.
- Communicate the discovered findings and benefits of the greenway to the public.

This proactive approach underscores our commitment to maintaining high-quality standards, fostering continuous improvement, and ensuring transparency in communicating the positive impacts of the greenway project.

RFI Item 10

Submit the following information in relation to drainage and the water environment:

- i) A detailed survey shall be carried to ascertain all watercourses/ ditches that drain into the lake and appropriate drainage shall be designed to facilitate the movement of water from the upper side of the eGreenway to the lakeside. Overall proposals should be provided on how to deal with surface water run-off during construction and when the eGreenway is completed.*
- ii) The applicant is requested to address all items of concern raised by Dublin City Council Water Services and Irish Water.*
- iii) The applicant shall confirm the locations around the eGreenway that are in close proximity to the existing foul sewer network with the view to providing toilet facilities to serve the eGreenway. Any proposal to provide toilets that are not connected to the foul sewer network shall demonstrate how waste percolation facilities can be responsibly sited adequate distance away from the reservoir and feeder streams in compliance with the relevant guidelines and Development Plan policies.*

Response to Item 10(i)

Revised plans and profile drawings have been prepared, clearly indicating the locations of all known watercourses and ditches that intersect with the greenway. These drawings are accessible in Appendix B, appended to this correspondence. In particular, please refer to the drawing titled "**Conceptual Culvert Design Standard Detail**" (60617025_SHT_20_CS_005) for crucial insights into the dimensions and types of structures intended for crossing these watercourses.

Furthermore, a report titled "**Blessington Car Park Drainage Summary**" is included, offering details on the drainage strategy for these areas during the operational phase of the greenway.

During the construction phase, the challenge of surface runoff will be addressed in accordance with the control measures and proposals delineated in the "**Outline Construction Environmental Management Plan**"(oCEMP) (refer to Section 4.6.3). This plan has been previously submitted to An Bord Pleanála. The Contractor's Construction Environmental Management Plan (CEMP) will include any additional mitigation measures identified within the reports, assessments, and briefing notes prepared for this RFI response.

Response to Item 10(ii)

There were several queries raised by Dublin City County Council in relation to drainage and the water. These queries and associated response can be summarised as follows:

- **Requested detail on surface water during construction and operational phase.**
This query has been addressed in the response prepared for RFI Item 10(i). During the construction phase, the challenge of surface runoff will be addressed in accordance with the control measures and proposals delineated in the "Outline Construction Environmental Management Plan" (refer to Section 4.6.3)
- **Drainage Proposals at Car Parks**
Drawings and drainage notes which include the document titled "Blessington Car Park Drainage Summary Report" have been created to detail how surface run-off will be handled during the operational phase of the greenway.
- **Details of water attenuation during construction of bridges and Culverts**
Details regarding the proposals for bridges and culverts can be found in the drawings provided in Appendix B. The appointed works contractor will furnish this information through the Construction Environment Management Plan (CEMP). The comprehensive Contractor CEMP will be prepared to address construction methods, scheduling, and potential environmental impacts that need mitigation. The "Outline Construction Environmental Management Plan" (oCEMP) encompasses the key elements. The Contractor's CEMP, is to be prepared before construction by the appointed contractor, will undergo approval by the client.
- **Details of welfare facilities**
This query has been addressed in the response to RFI Items 8(i) and 10(iii).

Response to Item 10(iii)

In response, as highlighted in RFI Item 8(i), there is a plan to introduce new toilet facilities at the proposed Blessington Hub, located in the town of Blessington, which already has an established foul sewer network. It's worth noting that none of the other designated/proposed trailheads along the proposed greenway possess a foul sewer network and is near the SPA and waterbody that provides drinking water, leading to the decision not to include toilets in these specific locations.

Moreover, amenities and facilities, including toilets, are conveniently accessible in the nearby settlements situated along or adjacent to the route. Wicklow County Council aims to actively encourage the utilisation of these existing facilities in the towns and settlements along the route.

RFI Item 11

The applicant is referred to the detailed submission on the proposed development from the Development Applications Unit of the Department of Housing, Local Government and Heritage and in particular to matters relating to permanent habitat loss and significant disturbance. The applicant is requested to provide a comprehensive and detailed response to each of the issues raised in the submission received by the Department with regard to nature conservation. In particular, the applicant shall address the following:

- (i) *Provide an estimation of the amount and spatial extent of individual habitats that will be lost to the proposed development to assess whether the proposed mitigation*

- and compensatory measures are adequately detailed to be successful and are appropriate to ensure that there is 'no net loss' of biodiversity (National Biodiversity Action Plan, 2017- 2021).*
- (ii) The Board agrees with the Department that tree planting with equivalent numbers of trees to be lost may not provide adequate compensation for the loss of mature woodland habitat. The applicant should consider alternatives such as existing woodland restoration*
 - (iii) The Department notes that the eGreenway will require the removal of over 7,000 trees, some of which are likely to harbour bat species. The applicant shall ensure that all surveys for bat species, otter and all species protected under the Wildlife Act, 1976 to 2021 (badger, red squirrel, pine marten and common frog) are adequate to determine all impacts.*
 - (iv) The wet willow-alder-ash woodland (WN6) and mosaics with other habitats recorded on site shall be subject to further field survey at an appropriate time of the year by a suitably qualified ecologist to determine whether Annex I priority habitat Alluvial Forest is present and suitable mitigation shall be put in place if required.*
 - (v) Further investigations are required to determine the presence of tufa forming spring/seepage within the development footprint, as well as Marsh Fritillary and rare plants.*
 - (vi) A landscaping plan and details of a management and maintenance plan shall be submitted to the Board outlining measures for the protection and enhancement of biodiversity along the eGreenway and wider ESB owned lands. This should include a mowing plan to ensure local areas of foraging, resting and hibernating are maintained for pollinating species. The applicant is referred to the All Ireland Pollinator Plan, 2012-2025 in this regard.*
 - (vii) Proposals for assessing recreational disturbance and monitoring during the operational phase shall be submitted to the Board.*

Response to Item 11(i)

An estimation of the amount and spatial extent of habitats to be lost as a result of the scheme development was carried out and a report “**Spatial Extent of Habitats Lost & Woodland Restoration**” has been compiled and provided as part of this submission. This report also includes details of replacement planting and other habitat creation and management. This report shows that loss of habitat will be adequately compensated for in order to ensure ‘no net loss’ of biodiversity.

Response to Item 11(ii)

As part of the “**Spatial Extent of Habitats Lost & Woodland Restoration**” report, several measures to carry out habitat restoration and enhancement have been set out. These include selective thinning, understorey, and woodland edge planting. Additionally, a database of mature trees to be retained or protected from any damaging activity during works has been provided.

Response to Item 11(iii)

A suite of field surveys was carried out during the appropriate field season in 2023. A dedicated bat survey was carried out, with four species of bat being recorded. Overall, the site was evaluated as

being of Local Importance – higher value. No long-term impacts of any significance are predicted. Species-specific mammal surveys recorded all habitation and signs of protected mammal species. Potential breeding areas of the Common Frog were also identified. A number of Badger setts were recorded, one of these is within the proposed works area and specific mitigation will be required. There are no Otter holts within the scheme footprint, but one was found within the zone of influence of the works. Mitigation measures have been set out to avoid impacts to this holt. A number of Red Squirrel dreys were recorded. Mitigation measures have been set out for these. No Pine Marten den sites were recorded. Further information is provided in the reports titled “**Bats Report**” and “**Fauna Report**” submitted with this RFI response.

Response to Item 11(iv)

Further field surveys were carried out at an appropriate time of year (August 2023) by suitably qualified ecologists and a report was prepared. No woodland habitat surveyed aligned with alluvial woodland (91A0 and 91E0) based on the site characteristics and the absence of a sufficient number of both target and positive indicator species. Further information is provided in the report titled “**Annex I Habitats and Rare Flora**” submitted with the RFI response.

Response to Item 11(v)

A survey of springs and seepages was carried out in December 2023. None of these conformed to the Annex I habitat 7220 Petrifying Springs with Tufa Formations. No high-quality indicator species were found and none were recorded with the key Geomorphological features that denote this habitat type. Further information and construction phase mitigation measures are provided in the report titled “**Annex I Habitats and Rare Flora**” submitted with the RFI response.

A rare plant survey was carried out as part of further survey work in 2023 to address items within the RFI. No rare, threatened or protected species of plants were found within the scheme footprint. Species-rich grasslands were found to occur outside the footprint of the scheme. Further information on rare plants, species-rich grasslands and construction phase mitigation measures are provided in the report titled “**Annex I Habitats and Rare Flora**” submitted with the RFI response.

Devil’s-bit Scabious – the sole foodplant of the Marsh Fritillary butterfly – was sought in specific surveys. It is absent from almost all areas within the scheme footprint. Where it was found to occur, searches for larval webs of the Marsh Fritillary were carried out in September 2023. No larval webs were found. Further information on Marsh Fritillary is provided in the report titled “**Fauna Report**” submitted with the RFI response.

Response to Item 11(vi)

A landscaping plan titled “**Blessington Lakes eGreenway Landscape Plan**” has been prepared. The report details the landscape plan and management and maintenance actions necessary to protect and enhance the landscape and biodiversity along the eGreenway. It provides detail on planting species mix for each of the landscape typologies identified along the route. The management and

maintenance actions described within the plan describes the maintenance required to allow the proposed planting treatments to flourish and reach their design potential and outlines the maintenance operations required after completion of the planting works and provides a framework for the long-term management of the scheme. The plan has been developed with reference to the All Ireland Pollinator Plan (AIPP) 2021-2025.

Response to Item 11(vii)

An outline Maintenance and Management Plan has been prepared for the proposed development and is submitted as part of the RFI response. Wicklow County Council will create a comprehensive monitoring plan to assess the usage of the greenway. This plan will be developed in accordance with the TII publication on Rural Cycleway Design (Offline & Greenway). In addition to monitoring greenway usage, the Council will implement an Environmental Monitoring Plan, specifically focused on evaluating the impact of the greenway on the local bird population.

A report has been produced on the proposed monitoring of potential disturbance to waterbirds, in particular Greylag Goose *Anser anser* arising from the operational phase of the Greenway. The report proposes that a programme of monitoring of bird disturbance is carried out at Poulaphouca following completion of the scheme. It is proposed that surveyors carry out a series of 4-hour surveys monitoring greenway activity types, numbers of users and record disturbance to bird species if occurring. This will be carried out across a calendar year, commencing at the opening of the Greenway to public use. Further information is provided in the report titled "Proposals for Monitoring Bird Disturbance at Poulaphouca" submitted with the RFI response.

RFI Item 12

Prepare a report outlining all consultations undertaken to date and any proposed consultations with the public and any other stakeholders in accordance with Appendix 1 - Public Consultation Guidelines of the Strategy for the Future Development of National and Regional Greenways. Public consultation shall comply with the advice set out in the Code of Best Practice for National and Regional Greenways.

Response to Item 12

Enclosed herewith is a report prepared by Wicklow County Council, titled "**Response to An Bord Pleanála RFI Item 12 - Public Consultation and Communication**," dated January 2024. This comprehensive document outlines the details of the consultations and communications conducted during the project.

It is important to note that the majority of the public consultation process was concluded before the issuance of the Guidelines for the Strategy for the Future Development of National and Regional Greenways and the Code of Best Practice for National and Regional Greenways.

RFI Item 13

The applicant shall carry out a climate impact assessment of the proposed development taking into account calculations/ estimations of carbon savings and losses from the construction and operational phases of the eGreenway. Specifically, the applicant shall provide an assessment of the likely carbon release from tree felling vis a vis the carbon sequestering from tree replanting proposals.

Response to Item 13

A “Climate Impact Assessment” report has been completed for the proposed development to address RFI Item 13.

The assessment of climate impacts was divided into two categories:

- Lifecycle Greenhouse Gas (GHG) Assessment: assessment of the impact of GHG emissions, arising over the life of the Proposed Development, on the climate.
- Climate Change Resilience (CCR): assessment of the vulnerability and resilience of the Proposed Development to the projected impacts of climate change.

The key conclusions of the Climate Impact Assessment were:

Greenhouse Gas Assessment

In line with the GHG Protocol, when calculating GHG emissions, the seven Kyoto Protocol GHGs have been considered, specifically:

- Carbon dioxide (CO₂);
- Methane (CH₄);
- Nitrous oxide (N₂O);
- Sulphur hexafluoride (SF₆);
- Hydrofluorocarbons (HFCs);
- Perfluorocarbons (PFCs); and
- Nitrogen trifluoride (NF₃).

These gases are broadly referred to in the Climate Impact Assessment report under an encompassing definition of ‘GHGs’, with the unit of tCO_{2e} (tonnes CO₂ equivalent) or MtCO_{2e} (mega tonnes of CO₂ equivalent).

The total GHGs from constructing the Proposed Development are estimated to be 24,890 tCO_{2e}. Although 17,753 tCO_{2e} of this can be attributed to the release of carbon from the trees being removed from site, as all removed trees are being replanted this is anticipated to be recouped throughout the lifetime of the replanted trees. The net GHGs (including all GHG avoidance deductions) from operating the Proposed Development over its (at least) 25-year life are estimated to be 103,080 tCO_{2e}. Annual operational emissions are expected to be approximately 4,123 tCO_{2e}.

The Proposed Development has proportionally small GHG emissions in the context of Ireland’s national carbon budget. The project can be said to be ‘Not Significant’ in this context.

Climate Change Resilience

A CCR assessment was carried out as part of the Climate Impact Assessment. The assessment assesses the resilience against both gradual climate change i.e., chronic climate-related hazards and the risks associated with an increased frequency of severe weather events i.e., acute events.

The CCR and adaptation assessment illustrates that climate change risk does not present a significant risk to the Proposed Development. Whilst 13 risks were identified, the embedded controls in the design, construction and operation of the asset meant that the risk profile only contained low and medium risks. Therefore, it can be concluded that climate change risk is 'Not Significant' for the Proposed Development.

Further information on the Lifecycle GHG Assessment and the CCR Assessment are available within the "Climate Impact Assessment" report submitted with the RFI documentation.

RFI Item 14

The Board notes the submission from the Department of Housing, Local Government and Heritage in relation to archaeology. The applicant shall consult with the Department to agree the scope of archaeological testing of the foreshore/ underwater archaeological survey and a programme of archaeological mitigation measures.

Response to Item 14

With regard to this item, a consultation meeting was held on 11 May 2023 between the DAU, TII, AECOM and the client to discuss archaeological requirements and agree a way forward regarding the RFI and consequently a "Briefing Note on Archaeological Mitigation" has now been prepared which clarified the issues raised by the DAU. The purpose of the Briefing Note is to set out the mitigation strategy for the cultural heritage which will be affected by construction of the Blessington Greenway addressing the requests for further information received by ABP.

RFI Item 15

The applicant shall provide fencing and screening details along the boundary with the property at The Beeches, Annacarney, Valleymount, W91 A2N1.

Response to Item 15

Wicklow County Council proposes that a 2m high screen will be placed directly adjacent to the greenway track on ESB lands for the entire length that passes by the property known as "The Beaches"

ensuring the privacy and security of the residents. Supplementary planting and screening will be provided as required between the greenway and the property boundary as outlined in drawing 60617025_SHT_DD_BLGWY_300.1 titled “Boundary Treatment Valleymount”. The planting and management of the screening will be in accordance with the Landscape Plan.

RFI Item 16

The applicant shall provide a comprehensive and detailed response to any remaining issues raised submissions received by the Board from prescribed bodies and observers (copies attached). In the preparation of this response, and other responses herein, the applicant shall consult with the prescribed bodies as necessary, to ensure that matters raised re adequately addressed.

Response to Item 16

Please find attached a document titled “**Response to ABP Submissions**” outlining the issues raised in the submissions received by An Bord Pleanála. These concerns have been categorised, and our response comprehensively addresses each one. Throughout this process, and in our other responses, we have engaged with the prescribed bodies as necessary to ensure the thorough addressing of all raised matters.

RFI Item 17

The applicant is referred to the detailed submission on the proposed development from the Development Applications Unit of the Department of Housing, Local Government and Heritage on matters relating to Appropriate Assessment (AA). The Department notes that the eGreenway lies partly within Poulaphouca Reservoir SPA (site code: 004063) and within 500m of the Wicklow Mountains SAC (site code: 002122). The applicant is requested to address the following matters raised by the Department in relation to the AA Screening Report and Natura Impact Statement (NIS) submitted with the application:

- (i) Further consideration is requested of disturbance impacts to Special Conservation Interest Species for the Poulaphouca Reservoir SPA as outlined in the Department's submission and other issues relating to the SPA.*
- (ii) The Department considers that the proposed project is likely to have significant effects on the Wicklow Mountains SAC due to the presence of otter. A comprehensive otter survey covering all areas within the zone of influence of the proposed development shall be carried out to inform appropriate assessment and suitable mitigation shall be put in place based on survey results, with mitigation by avoidance being the first option.*
- (iii) Consideration of the impact, if any, of the existing 6km trail in combination with the proposed development, as well as tree felling and tree management activities, placement of rock armour along the shoreline, existing recreational activities, and all other projects and plans in the vicinity of the proposed development.*

Response to Item 17(i) - Special Conservation Interest Species at Poulaphouca Reservoir SPA

Further consideration has been given to disturbance impacts on Special Conservation Interest (SCI) species. This has included a review of existing bird data. No significant disturbance impacts are predicted, given the absence of SCI species from the zone of influence of the scheme. An outline methodology for the monitoring of disturbance impacts from the operational phase has been submitted as part of the RFI response within the report titled “Proposals for Monitoring Bird Disturbance at Poulaphouca”.

Response to Item 17(ii) - Otter Survey Results for the Proposed Greenway

A comprehensive Otter survey has been undertaken within the zone of influence of the project. Arising from further data gathered in 2023, the Appropriate Assessment Screening and Natura Impact Statement have been suitably updated and are submitted as part of the RFI response. One Otter holt was recorded within the zone of influence of the scheme. Therefore, a new suite of mitigation measures has been drawn-up and included in the Natura Impact Statement (NIS). Information on the otter surveys carried out in 2023 can be found in the “Fauna Report” submitted with the RFI response.

Response to Item 17(iii) - In-Combination Impacts Assessment

The possibility of in combination impacts of the proposed works with existing route areas and activities associated with the scheme and reservoir was reviewed. It is considered that no significant in-combination impacts will arise that have not already been detailed in the Appropriate Assessment Screening and Natura Impact Statement.

RFI Item 18

In addition, the applicant shall comment on any other issues raised within submissions relating to the effects of the proposed development of the integrity of European Sites.

Response to Item 18

No other issues have been raised with regard to the effects of the proposed development on the integrity of the European sites that have not been dealt with already in this provision of further information.

Note 1

Any changes or amendments to the eGreenway project as a result of the applicant's response to items nos. 1 to 18 above shall be reflected and highlighted in the NIS documents.

Response to Note 1

Changes to the NIS document were required arising from further surveys and studies carried out in the provision of further information. These changes have been made and are within the revised NIS as provided.

Note 2

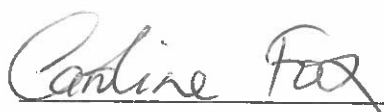
Any significant changes or amendments to the eGreenway project as a result of the applicant's response to items nos. 1 to 18 above may require the publication of new public notices under the heading Significant Further Information.

Response to Note 2

Wicklow County Council duly notes that a publication of a new public notice may be required. The Council awaits An Bord Pleanála decision whether or not to invoke its power under Section 177AE (5)(d) of the Planning and Development (Amendment) Act, 2010, requiring the Council to publish a notice of the furnishing of additional information to An Bord Pleanála.

Finally, I would be grateful if you could acknowledge receipt of this further information pack at your earliest convenience.

Yours faithfully,



P.F.
Michael Nicholson,
Director of Services
Community, Cultural and Social Development

Appendix A – List of Documents Submitted as part of the RFI Response

- 1 Traffic and Transport Assessment Report
- 2 Road Safety Audit Report
- 3 Quality Audit (including Stage 1 RSA) Report
- 4 Technical Note on Parking Arrangements on Blessington Main Street
- 5 Outline Maintenance and Management Plan
- 6 Monitoring and Evaluation Plan
- 7 Blessington Car Park Drainage Summary Report
- 8 Spatial Extents of Habitats Lost & Woodland Restoration Report
- 9 Bat Report
- 10 Fauna Report
- 11 Annex 1 Habitats and Rare Flora
- 12 Landscape Plan
- 13 Proposals for Monitoring Bird Disturbance at Poulaphouca
- 14 Public Consultation and Communication Report
- 15 Climate Impact Assessment Report
- 16 Briefing Note on Archaeology Mitigation
- 17 Response to ABP Submissions
- 18 Appropriate Assessment Screening Report and Natura Impact Assessment

Appendix B – List of Drawings Submitted as part of the RFI Response

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<u>1. LOCATION PLANS</u>				
60617025_SHT_DD_BLGWY_	101.1	Key Plan Project Overview	Sheet 1 of 1	A1
60617025_SHT_DD_BLGWY_	101.2	Route Plane Project Overview	Sheet 1 of 1	A1
<u>2. PLAN & PROFILE</u>				
Ballyknockan Cover Page				
60617025_SHT_DD_BLGWY_	140.1	Plan & Profile	Sheet 1 of 1	A1
60617025_SHT_DD_BLGWY_	140.2	Plan & Profile	Sheet 1 of 13	A1
60617025_SHT_DD_BLGWY_	140.3	Plan & Profile	Sheet 2 of 13	A1
60617025_SHT_DD_BLGWY_	140.4	Plan & Profile	Sheet 3 of 13	A1
60617025_SHT_DD_BLGWY_	140.5	Plan & Profile	Sheet 4 of 13	A1
60617025_SHT_DD_BLGWY_	140.6	Plan & Profile	Sheet 5 of 13	A1
60617025_SHT_DD_BLGWY_	140.7	Plan & Profile	Sheet 6 of 13	A1
60617025_SHT_DD_BLGWY_	140.8	Plan & Profile	Sheet 7 of 13	A1
60617025_SHT_DD_BLGWY_	140.9	Plan & Profile	Sheet 8 of 13	A1
60617025_SHT_DD_BLGWY_	140.10	Plan & Profile	Sheet 9 of 13	A1
60617025_SHT_DD_BLGWY_	140.11	Plan & Profile	Sheet 10 of 13	A1
60617025_SHT_DD_BLGWY_	140.12	Plan & Profile	Sheet 11 of 13	A1
60617025_SHT_DD_BLGWY_	140.13	Plan & Profile	Sheet 12 of 13	A1
			Sheet 13 of 13	A1

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	Blessington Cover Page			
60617025_SHT_DD_BLGWY_141.1	Plan & Profile	Blessington	1 of 1	A1
60617025_SHT_DD_BLGWY_141.2	Plan & Profile	Blessington	1 of 24	A1
60617025_SHT_DD_BLGWY_141.3	Plan & Profile	Blessington	2 of 24	A1
60617025_SHT_DD_BLGWY_141.4	Plan & Profile	Blessington	3 of 24	A1
60617025_SHT_DD_BLGWY_141.5	Plan & Profile	Blessington	4 of 24	A1
60617025_SHT_DD_BLGWY_141.6	Plan & Profile	Blessington	5 of 24	A1
60617025_SHT_DD_BLGWY_141.7	Plan & Profile	Blessington	6 of 24	A1
60617025_SHT_DD_BLGWY_141.8	Plan & Profile	Blessington	7 of 24	A1
60617025_SHT_DD_BLGWY_141.9	Plan & Profile	Blessington	8 of 24	A1
60617025_SHT_DD_BLGWY_141.10	Plan & Profile	Blessington	9 of 24	A1
60617025_SHT_DD_BLGWY_141.11	Plan & Profile	Blessington	10 of 24	A1
60617025_SHT_DD_BLGWY_141.12	Plan & Profile	Blessington	11 of 24	A1
60617025_SHT_DD_BLGWY_141.13	Plan & Profile	Blessington	12 of 24	A1
60617025_SHT_DD_BLGWY_141.14	Plan & Profile	Blessington	13 of 24	A1
60617025_SHT_DD_BLGWY_141.15	Plan & Profile	Blessington	14 of 24	A1
60617025_SHT_DD_BLGWY_141.16	Plan & Profile	Blessington	15 of 24	A1
60617025_SHT_DD_BLGWY_141.17	Plan & Profile	Blessington	16 of 24	A1
60617025_SHT_DD_BLGWY_141.18	Plan & Profile	Blessington	17 of 24	A1
60617025_SHT_DD_BLGWY_141.19	Plan & Profile	Blessington	18 of 24	A1
60617025_SHT_DD_BLGWY_141.20	Plan & Profile	Blessington	19 of 24	A1
60617025_SHT_DD_BLGWY_141.21	Plan & Profile	Blessington	20 of 24	A1
60617025_SHT_DD_BLGWY_141.22	Plan & Profile	Blessington	21 of 24	A1
60617025_SHT_DD_BLGWY_141.23	Plan & Profile	Blessington	22 of 24	A1
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	Baltyboys Cover Page			
60617025_SHT_DD_BLGWY_142.1	Plan & Profile	Baltyboys	1 of 1	A1
60617025_SHT_DD_BLGWY_142.2	Plan & Profile	Baltyboys	1 of 17	A1
60617025_SHT_DD_BLGWY_142.3	Plan & Profile	Baltyboys	2 of 17	A1
60617025_SHT_DD_BLGWY_142.4	Plan & Profile	Baltyboys	3 of 17	A1
60617025_SHT_DD_BLGWY_142.5	Plan & Profile	Baltyboys	4 of 17	A1
60617025_SHT_DD_BLGWY_142.6	Plan & Profile	Baltyboys	5 of 17	A1
60617025_SHT_DD_BLGWY_142.7	Plan & Profile	Baltyboys	6 of 17	A1
60617025_SHT_DD_BLGWY_142.8	Plan & Profile	Baltyboys	7 of 17	A1
60617025_SHT_DD_BLGWY_142.9	Plan & Profile	Baltyboys	8 of 17	A1
60617025_SHT_DD_BLGWY_142.10	Plan & Profile	Baltyboys	9 of 17	A1
60617025_SHT_DD_BLGWY_142.11	Plan & Profile	Baltyboys	10 of 17	A1
60617025_SHT_DD_BLGWY_142.12	Plan & Profile	Baltyboys	11 of 17	A1
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60617025_SHT_DD_BLGWY_142.15	Plan & Profile	Baltyboys	14 of 17	A1
60617025_SHT_DD_BLGWY_142.16	Plan & Profile	Baltyboys	15 of 17	A1
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	Tulfarris Cover Page			
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60617025_SHT_DD_BLGWY_143.2	Plan & Profile	Tulfarris	1 of 8	A1
60617025_SHT_DD_BLGWY_143.3	Plan & Profile	Tulfarris	2 of 8	A1
60617025_SHT_DD_BLGWY_143.4	Plan & Profile	Tulfarris	3 of 8	A1
60617025_SHT_DD_BLGWY_143.5	Plan & Profile	Tulfarris	4 of 8	A1
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60617025_SHT_DD_BLGWY_146.4	Plan & Profile	Lacken	Sheet 4 of 18	A1
60617025_SHT_DD_BLGWY_146.5	Plan & Profile	Lacken	Sheet 5 of 18	A1
60617025_SHT_DD_BLGWY_146.6	Plan & Profile	Lacken	Sheet 6 of 18	A1
60617025_SHT_DD_BLGWY_146.7	Plan & Profile	Lacken	Sheet 7 of 18	A1
60617025_SHT_DD_BLGWY_146.8	Plan & Profile	Lacken	Sheet 8 of 18	A1
60617025_SHT_DD_BLGWY_146.9	Plan & Profile	Lacken	Sheet 9 of 18	A1
60617025_SHT_DD_BLGWY_146.10	Plan & Profile	Lacken	Sheet 10 of 18	A1
60617025_SHT_DD_BLGWY_146.11	Plan & Profile	Lacken	Sheet 11 of 18	A1
60617025_SHT_DD_BLGWY_146.12	Plan & Profile	Lacken	Sheet 12 of 18	A1
60617025_SHT_DD_BLGWY_146.13	Plan & Profile	Lacken	Sheet 13 of 18	A1
60617025_SHT_DD_BLGWY_146.14	Plan & Profile	Lacken	Sheet 14 of 18	A1
60617025_SHT_DD_BLGWY_146.15	Plan & Profile	Lacken	Sheet 15 of 18	A1
60617025_SHT_DD_BLGWY_146.16	Plan & Profile	Lacken	Sheet 16 of 18	A1
60617025_SHT_DD_BLGWY_146.17	Plan & Profile	Lacken	Sheet 17 of 18	A1
60617025_SHT_DD_BLGWY_146.18	Plan & Profile	Lacken	Sheet 18 of 18	A1
<u>3. FENCING</u>				
60617025_SHT_DD_BLGWY_300.1	Boundary Treatment Valley Mount		Sheet 1 of 1	A1
<u>4. DRAINAGE</u>				
60617025_SHT_20_CS_003	Conceptual Culvert Design Standard Details		Sheet 3 of 3	A1

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<u>5. TRAFFIC SIGNS & ROAD MARKINGS</u>				
60617025_SHT_DD_BLGWY_1200.1	Proposed Road Crossings	L4372 Local Road Crossing	Sheet 1 of 4	A1
60617025_SHT_DD_BLGWY_1200.2	Proposed Road Crossings	R758 Regional Road	Sheet 2 of 4	A1
60617025_SHT_DD_BLGWY_1200.3	Proposed Road Crossings	Private Lane to Sailing Club	Sheet 3 of 4	A1
60617025_SHT_DD_BLGWY_1200.4	Proposed Road Crossings	ESB Private Access Road	Sheet 4 of 4	A1
<u>6. STRUCTURES</u>				
60617025_SHT_DD_BLGWY_1700.1	Structures	Lacken Underpass	Sheet 1 of 1	A1
60617025_SHT_DD_BLGWY_1701.1	Structures	Typical Retaining Wall Detail	Sheet 1 of 1	A1
<u>6.1 BRIDGE TRAFFIC MANAGEMENT</u>				
60617025_SHT_DD_BLGWY_1700.1	Shuttle Working Concept Design	Knockieran Bridge	Sheet 1 of 1	A1
60617025_SHT_DD_BLGWY_1700.2	Shuttle Working Concept Design	Baltyboys Bridge	Sheet 1 of 1	A1
60617025_SHT_DD_BLGWY_1700.3	Shuttle Working Concept Design	Valleymount Bridge	Sheet 1 of 1	A1
60617025_SHT_DD_BLGWY_1700.4	Shuttle Working Concept Design	Cross Section	Sheet 1 of 1	A1
<u>6.2 ROCK ARMOUR</u>				
60617024_ACM_XX_XX_DR_CE_1001	Proposes Sections	Baltyboys	Sheet 1 of 1	A1
60617024_ACM_XX_XX_DR_CE_1002	Proposed Plan	Baltyboys	Sheet 1 of 1	A1
60617024_ACM_XX_XX_DR_CE_1101	Proposes Sections	Ballyknockan	Sheet 1 of 1	A1
60617024_ACM_XX_XX_DR_CE_1102	Proposed Plan	Ballyknockan	Sheet 1 of 1	A1
60617024_ACM_XX_XX_DR_CE_1201	Proposes Sections	Lacken	Sheet 1 of 2	A1
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60617024_ACM_XX_XX_DR_CE_	1301 Proposes Sections	Valleymount	Sheet 1 of 2	A1
60617024_ACM_XX_XX_DR_CE_	1302 Proposes Sections	Ballyknockan	Sheet 2 of 2	A1
60617024_ACM_XX_XX_DR_CE_	1303 Proposed Plan	Valleymount & Ballyknockan	Sheet 1 of 1	A1
60617024_ACM_XX_XX_DR_CE_	1400 Typical Details		Sheet 1 of 1	A1
60617024_ACM_XX_XX_DR_CE_	1500 Plan Layout		Sheet 1 of 1	A1
60617024_ACM_XX_XX_DR_CE_	1601 Proposes Sections	Boystown	Sheet 1 of 1	A1
60617024_ACM_XX_XX_DR_CE_	1602 Proposed Plan	Boystown	Sheet 1 of 1	A1
<u>6.3 STRUCTURE DETAILS</u>				
60617025_SHT_20_CS_	000 Conceptual Design Cover Page Structures		Sheet 1 of 1	A1
60617025_SHT_20_CS_	001 Conceptual Design Structure	S01	Sheet 1 of 4	A1
60617025_SHT_20_CS_	002 Conceptual Design Structure	S02	Sheet 2 of 4	A1
60617025_SHT_20_CS_	003 Conceptual Design Structure	S03	Sheet 3 of 4	A1
60617025_SHT_20_CS_	004 Conceptual Design Structure	S04	Sheet 4 of 4	A1
<u>7. LAND OWNERSHIP</u>				
60617025_SHT_DD_BLGWY_	104.0 Land Ownership	Key Plan	Sheet 1 of 1	A0
60617025_SHT_DD_BLGWY_	104.1 Land Ownership		Sheet 1 of 12	A0
60617025_SHT_DD_BLGWY_	104.2 Land Ownership		Sheet 2 of 12	A0
60617025_SHT_DD_BLGWY_	104.3 Land Ownership		Sheet 3 of 12	A0
60617025_SHT_DD_BLGWY_	104.4 Land Ownership		Sheet 4 of 12	A0
60617025_SHT_DD_BLGWY_	104.5 Land Ownership		Sheet 5 of 12	A0
60617025_SHT_DD_BLGWY_	104.6 Land Ownership		Sheet 6 of 12	A0
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60617025_SHT_DD_BLGWY_	104.11	Land Ownership	Sheet	11	of	12	A0
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8. RIGHT OF WAYS

60617025_SK_LACKEN_ROW	146.5	Right of Way	Lacken	Sheet	1	of	1	A0
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