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## **Chapter 17**

# **Material Assets: Non-Agricultural Properties**

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# 17. Material Assets: Non-Agricultural Properties

## 17.1. Introduction

This chapter of the Environmental Impact Assessment Report (EIAR) identifies, describes and presents an assessment of the likely significant effects of the DART+ South West Project (hereby referred to as ‘the proposed Project’) on the topic of Material Assets: Non-agricultural Property during the construction and operation phases of the proposed Project.

Non-agricultural property includes Residential property; Commercial property; Community property – Public park, open space or lands that are used for recreation amenity; Development land – Lands zoned for development (with or without planning permission) and sites with planning permission; and Non-agricultural land – Lands not zoned for development, non-amenity lands, waterbodies, public road etc.

Other elements of Material Assets, notably Agricultural Properties, Utilities and Resource and Waste Management are dealt with in the following chapters:

- Chapter 6 Traffic & Transportation: Details of impacts relating to road network and traffic movements;
- Chapter 16 Material Assets: Agricultural Properties: Details of impacts relating to landtake on agricultural properties;
- Chapter 18 Material Assets: Utilities: details of impacts on utilities/built services, comprising electricity lines, water, foul sewer, telecommunications infrastructure;
- Chapter 19 Material Assets: Resource & Waste Management: Details of impacts relating to waste emissions and resource management;

This chapter has been prepared with and should be read in conjunction with the following chapters of the EIAR:

- Chapter 4 Project Description
- Chapter 5 Construction Strategy.

## 17.2. Legislation, Policy and Guidance

### 17.2.1. Legislation

Córas Iompair Éireann is applying to An Bord Pleanála for a Railway Order for the DART+ Southwest Project under the Transport (Railway Infrastructure) Act 2001 (as amended and substituted) (“the 2001 Act”) and as recently further amended by the European Union (Railway Orders) (Environmental Impact Assessment) (Amendment) Regulations 2021 in Statutory Instrument No. 743/2021 (“the 2021 Regulations”). The purpose of the 2021 Regulations was to give further effect to the transposition of

the EIA Directive (EU Directive 2011/92/EU as amended by Directive 2014/52/EU) on the assessment of the effects of certain public private projects on the environment by amending the 2001 Act.

Accordingly, pursuant to an application made by Córas Iompair Éireann, an examination, analysis and evaluation is carried out by An Bord Pleanála in order to identify, describe and assess, in the light of the application, the direct and indirect significant effects of the proposed railway works, including significant effects derived from the vulnerability of the activity to risks of major accidents and disasters relevant to it, on: population and human health; biodiversity, with particular attention to species and habitats protected under the Habitats and Birds Directives; land, soil, water, air and climate; material assets, cultural heritage and the landscape, and the interaction between the above factors.

This Material Assets Non-agricultural properties impact assessment has been undertaken in accordance with these requirements.

### 17.2.2. Policy

The assessment has had due regard to relevant policy that include the following:

- Dublin City Development Plan 2022-2028
- Park West – Cherry Orchard Local Area Plan 2019
- South Dublin County Development Plan 2022-2028.
- Adamstown Strategic Development Zone
- Clonburris Strategic Development Zone 2019
- Kildare County Development Plan 2017-2023 (and draft plan 2023-2029 as available).
- Celbridge Local Area Plan 2017 – 2023.

### 17.2.3. Guidance

There are no guidelines which are specific to the assessment of impact on non-agricultural property. In line with best practice, this assessment and appraisal of the impact on non-agricultural property has been prepared with regard to the following guidance documents:

- Environmental Protection Agency (EPA) (2022), *Guidelines on the information to be contained in Environmental Impact Assessment Reports (EIAR)*.
- Transport Infrastructure Ireland (TII) (2022), Project Management Guidelines.
- National Roads Authority (NRA) (2008), *Environmental Impact Assessment of National Road Schemes – A Practical Guide (Revision 1)*.
- Environmental Protection Agency (EPA) (2003), *Advice notes on current practice in the preparation of Environmental Impact Statement*.

## 17.3. Methodology

### 17.3.1. Study Area

The proposed Project has been divided into four distinct geographic zones along the length of the corridor (Zones A to D) as outlined in Chapter 4 Project Description and summarised below. The proposed Project is described from west to east along the railway corridor.

- Zone A - Hazelhatch & Celbridge Station to Park West & Cherry Orchard Station (refer to Section 4.6);
- Zone B - Park West & Cherry Orchard Station to Heuston Station (incorporating Inchicore Works) (refer to Section 4.7);
- Zone C - Heuston Yard & Station (incorporating New Heuston West Station) (refer to Section 4.8); and
- Zone D - Liffey Bridge to Glasnevin Junction (Phoenix Park Tunnel Branch Line) (refer to Section 4.9).

### 17.3.2. Survey Methodology

#### 17.3.2.1. Desk Surveys

The approach taken for the assessment of the significance of impact on non-agricultural property is comprised of a desktop survey of Property Schedules and Property Plan Drawings prepared for the Railway Order application. Additionally public consultation days, landowner and property owner consultation and site visits by the Project Team have informed the assessment. The baseline environment and impact assessment relied on information from several sources as outlined in Table 17.1.

**Table 17.1 Information Sources**

Information	Source
Land registry / land ownership information	Property Registration Authority of Ireland (PRAI) & landowner consultation.
Land use	Roadside surveys, land & property owner consultations & walkover surveys.
Planning and zoning objectives	Dublin City Development Plan 2022-2028 Park West – Cherry Orchard Local Area Plan 2019 South Dublin County Development Plan 2022-2028. Adamstown Strategic Development Zone Clonburriss Strategic Development Zone 2019 Kildare County Development Plan 2017-2023 (and draft plan 2023-2029 as available).

Information	Source
	Celbridge Local Area Plan
<b>Project design mapping &amp; project information, draft Railway Order land acquisition mapping and schedules.</b>	Typsa, Tuc and Atkins Joint Venture (TTA-JV) Design Team

### 17.3.2.2. Evaluation of the Baseline Environment

The effect of the proposed development on property, other than agricultural property, has been considered in this assessment and includes impacts on residential, commercial, community, development land and other non-agricultural lands. The baseline environment for non-agricultural property was evaluated on an individual property basis and assigned a baseline rating. This baseline rating combined with a magnitude of impact from construction and operational impacts associated with the proposed Project has been used to determine the significance of impact on the non-agricultural properties.

#### 17.3.2.2.1. Baseline Rating

Properties within the temporary and permanent landtake line for the proposed Project were assigned a baseline rating determined by the property type. The broad property types assigned to each baseline rating are shown in Table 17.2. The baseline ratings have been developed in consideration of the relevant EPA guidelines on describing the existing environment and the sensitivity to development of the lands in question.

**Table 17.2 Baseline Rating Criteria**

Baseline Rating	Property Type
<b>High</b>	Residential Property Commercial Property Community property used for public and private education, recreation and/or amenity Land/site that is zoned and/or has planning permission for the development
<b>Medium</b>	Land/site that is not zoned Residential property (derelict / ruin) Commercial Property (derelict / ruin)
<b>Low</b>	Property consisting of public road/private road and small plots of land

#### 17.3.2.2.2. Impact Magnitude

Impacts on non-agricultural properties arising from the proposed Project include:

- Non-agricultural properties that are to be entirely acquired.
- Non-agricultural properties where a portion of the site is to be acquired on a permanent basis.

- Non-agricultural properties where a portion of the substratum area below the surface of the site is to be acquired on a permanent basis.
- Non-agricultural properties where a portion of the site is to be acquired on a temporary basis.
- Non-agricultural properties to which access will be relocated or altered.
- Non-agricultural properties where only public road/private road is to be acquired
- Non-agricultural properties where a combination of a number of the scenarios above apply.

The criteria used to determine the magnitude of impact for non-agricultural property impacted by the proposed Project are shown in Table 17.3. The criteria for each of the impact ratings have been developed in consideration of the relevant EPA guidelines on the assessment of impact.

**Table 17.3 Magnitude of Impact Criteria**

Rating	Criteria
<b>High</b>	An impact on the property where the use of the property cannot continue.
<b>Medium</b>	An impact on the property where the use of the property can continue. An impact resulting in a notable change to the character of the property. Permanent loss of public right of way.
<b>Low</b>	An impact on the property where the use of the property can continue. An impact resulting in a minimal effect on the character of the property. Temporary loss of public right of way.
<b>Very low</b>	An impact on the property that does not affect the long term use of the property (i.e. acquisition of public road/private road only or small plots of public land).

## Significance of Impact

The significance of impact on a non-agricultural property is determined by the baseline rating assigned to the property combined with the magnitude of impact for the proposed Project. There are three categories of baseline rating ranging from “low” to “high”. There are four categories of magnitude of impact ranging from “very low” to “high”. The likely significance rating is determined by reference to the matrix in Table 17.4 using the baseline rating and magnitude of impact. The likely significance of impact is prior to the implementation of any mitigation measures.

**Table 17.4 Significance of Impact**

Baseline	Magnitude of Impact			
	High	Medium	Low	Very Low
<b>High</b>	Profound	Significant	Slight	Not Significant
<b>Medium</b>	Very Significant	Moderate	Slight	Not Significant
<b>Low</b>	Moderate	Slight	Not Significant	Imperceptible

### 17.3.3. Consultation

The overall project stakeholder and public consultation undertaken in respect of the Project is set out in the Public Consultation No. 1 Findings Report (for PC1) and Public Consultation No. 2 Findings Report (for PC2) which are included in Volume 4, Appendix 1.3 and 1.4. All feedback was collated, including feedback specific to the EIAR topic ‘Material Assets: Non-Agricultural Properties’. This feedback has informed this chapter including the baseline and impact assessment presented.

Specific consultation was also undertaken with key stakeholders in relation to EIA Scoping. A summary of the issues raised in relation to the scope of the EIA is included in Volume 4, Appendix 1.2. Feedback on the scope and level of detail of the assessment, data sources and methodologies as they pertain to the EIAR topic ‘Material Assets: Non-Agricultural Properties’ have been reviewed and have influenced this chapter of the EIAR.

Specific consultation was also undertaken with representatives of various departments in Kildare, South Dublin and Dublin City Councils. This included a combination of presentations, workshops and meetings to discuss the project, technical design issues and environment and planning matters.

Nine pre-application meetings were held with ABP to explain the project and present technical and environmental information. A summary of the information presented and the environmental issues discussed at the nine meetings is provided in Volume 4, Appendix 1.6. Feedback relevant to the topic ‘Material Assets: Non-Agricultural Properties’ has been reviewed and has influenced this chapter of the EIAR.

### 17.3.4. Difficulties Encountered / Limitations

The assessment has been based on land acquisition and schedules prepared for the proposed Project as part of the Railway Order.

## 17.4. Receiving Environment

The proposed Project is located within the administrative area of Dublin City Council, South Dublin County Council and Kildare County Council. The receiving environment along the corridor ranges from a more rural setting in Zone A to a dense urban setting in Zones B, C and D. While the majority of interventions proposed will be accommodated within the existing rail corridor on lands owned by Córas Iompair Éireann, due to the scale of the DART+ South West Project some interventions outside the existing railway corridor will be required on third party lands e.g. for the provision of substations, construction compounds etc.

The study area for the assessment is therefore the permanent and temporary landtake for the proposed Project excluding those lands fully owned by Córas Iompair Éireann. A total of 549 non-agricultural plots of land within the study area have been identified as being impacted for temporary or permanent landtake<sup>1</sup>. Of the 549 plots, the breakdown by property type is as follows:

- Residential – 351;
- Commercial / Industrial – 44;
- Development Lands – 17;

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<sup>1</sup> Several plots may relate to one single property.



- Government / Public Buildings or land – 26;
- Public Infrastructure (roads, rail, electrical) – 99;
- Cemetery (all plots relate to Glasnevin Cemetery) – 7; and
- Community (including open space, golf course) – 5.

A summary breakdown of the baseline ratings (see Table 17.2) for these non-agricultural property types is presented in Table 17.5.

**Table 17.5 Baseline Rating**

Baseline Rating	No. of Properties	% of Total
High	449	82%
Medium	0	-
Low	100	18%

## 17.5. Evolution of the Environment in the Absence of the Proposed Project (Do Nothing)

Should the proposed Project not proceed, conditions relating to material assets non-agricultural properties identified within the study area will continue in line with baseline trends. Some general improvements/ changes in the area may be experienced due to legislative and local policy driven measures and mitigation. If the proposed Project does not proceed, land and properties required for the proposed Project will remain in existing use. In the wider area there are a number of SDZ e.g. Clonburris, which will alter the wider land use patterns in the longer term.

## 17.6. Potential Impacts

The assessment of landtake presented below can be reviewed alongside the Property Schedules and Property Plan Drawings submitted with the Railway Order under separate cover. As noted above, the majority of interventions proposed will be accommodated within the existing rail corridor on lands owned by Córas Iompair Éireann, however some interventions will be outside the existing railway corridor will be required on third party lands. The assessment below is focussed on impacts to third party lands and does not include reference to those lands fully owned by Córas Iompair Éireann.

Construction Impacts the Property

### 17.6.1. Construction Impacts

The construction activities that will give rise to land requirements include the following:

- **Landtake:**
  - Temporary acquisition of lands during the construction phase for construction compounds and access routes.
  - Temporary acquisition of lands during the construction of retaining walls along the rail corridor.
  - Temporary acquisition of lands during construction related to widening of the rail corridor.

- Temporary acquisition of lands during construction of substations.
- **Other:**
  - Demolitions and modifications to property boundaries e.g. walls and structures e.g. garden sheds may require demolition or modification to accommodate construction activities.
  - Substratum acquisition for soil nailing.

Construction activity associated with the proposed Project will also give effect to further indirect impacts on non-agricultural property including:

- **Access to Property** - Access to some properties will be affected during the construction phase. The construction of road junctions and crossings in particular may impact on access to properties;
- **Construction Traffic** - There will be an increase in construction traffic along local roads during the construction phases of the proposed Project, which has the potential to cause nuisance to existing local residential and commercial traffic;
- **Noise & Vibration** – There will be an increase in noises during the construction phase. The significance of this impact will depend upon the construction activity taking place;
- **Dust** - Construction machinery can generate dust in the immediate vicinity of the proposed Project. The proliferation of dust has a nuisance value and may impact on the use of a property;
- **Landscape / Residential Amenity** - There will be changes to some residential views and amenity as a result of construction works;
- **Disturbance of drainage systems** - Existing drainage systems may be disturbed by the construction of the proposed development. These systems will be restored as part of the completed works. However, there may be temporary impaired drainage in the interim period between initial entry and final reinstatement of such drainage works; and
- **Disturbance of services** - The construction of the proposed development may impact on services including water and wastewater, electricity and phone services.

These indirect impacts have been assessed and measures to mitigate the effects are outlined throughout this EIAR but are contained mainly in Chapter 6 Traffic and Transportation, Chapter 7 Population, Chapter 12 Air Quality, Chapter 14 Noise and Vibration, Chapter 15 Landscape & Visual Amenity, Chapter 16 Agricultural Properties and Chapter 23 Human Health. The remaining assessment in this chapter focusses on landtake.

The proposed Project will involve a total non-agricultural land take of 24.15 ha of which temporary landtake will be 15.23 ha. An assessment of the impact of the proposed Project on property and a summary of the impact prior to any mitigation is presented in Table 17.6.

Measures to mitigate the adverse effects of the proposed Project are described in Section 17.6.3 and an assessment of the significance of the residual impact following the implementation of mitigation measures is presented in Section 17.9.



## 17.6.2. Operational Impacts

Permanent landtake will be required to provide sub-station, some OHLE infrastructure, retaining walls, track widening, bridge foundations and abutments and substratum associated with soil nailing for anchors. The proposed Project will involve a permanent land-take of 8.92 ha. An assessment of the impact of the proposed Project on property and a summary of the impact prior to any mitigation is presented in Table 17.6.

Measures to mitigate the adverse effects of the proposed Project are described in Section 17.6.3 and an assessment of the significance of the residual impact following the implementation of mitigation measures is presented in Section 17.9.

**Table 17.6 Assessment of the Impact of Landtake on Non-agricultural Properties**

Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
A	18822.T.250(A)	Public Infrastructure (Bridge)	Low	Temporary	0.032	OHLE will need to be connected to Hazelhatch R405 Road Bridge (OBC25 )	Very Low	Imperceptible	None
A	18823.E.4(B)	Community (Golf Course)	High	Easement	0.006	ESB directional drilling & cable laying	Low	Slight	Slight
A	18823.T.250(B)	Public Infrastructure (Bridge)	Low	Temporary	0.010	Fitted OHLE system at each side of Straleek Footbridge.	Very Low	Imperceptible	None
A	18823.T.4(A)	Community (Golf Course)	High	Temporary	0.148	ESB directional drilling & associated compound	Low	Slight	None
A	18824.E.154(B)	Residential	High	Easement	0.001	ESB directional drilling & compound works	Low	Slight	Slight
A	18824.T.154(A)	Residential	High	Temporary	0.001	ESB directional drilling & compound works	Low	Slight	None
A	18825.T.250(C)	Public Infrastructure (Bridge)	Low	Temporary	0.021	OHLE will need to be connected to the Stacumny Bridge (OBC21 )	Very Low	Imperceptible	None
A	18825.T.250(D)	Public Infrastructure (Bridge)	Low	Temporary	0.025	OHLE will need to be connected to the Crowley's Bridge (OBC20E )	Very Low	Imperceptible	None
A	18826.E.152(D)	Commercial/ Industrial	High	Easement	0.002	ESB Directional Drilling & Compound Works	Low	Slight	Slight
A	18826.E.155(B)	Government/ Public Building or Lands	High	Easement	0.012	ESB Directional Drilling & Compound Works	Low	Slight	Slight
A	18826.P.152(B)	Commercial/ Industrial	High	Permanent	0.003	ESB Directional Drilling & Compound Works	Low	Slight	Slight
A	18826.R.152(C)	Commercial/ Industrial	High	Permanent	0.067	ESB Directional Drilling & Compound Works	Low	Slight	Slight



Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
A	18826.R.638(B)	Commercial/Industrial	High	Permanent	0.099	ESB Directional Drilling & Compound Works	Low	Slight	Slight
A	18826.T.152(A)	Commercial/Industrial	High	Temporary	0.093	Access to ESB Directional Drilling & Compound Works	Low	Slight	None
A	18826.T.155(A)	Government/Public Building or Lands	High	Temporary	0.065	ESB Directional Drilling & Compound Works	Low	Slight	None
A	18826.T.159(A)	Public Infrastructure (Road)	Low	Temporary	0.056	Bridge Parapet Modifications	Very Low	Imperceptible	None
A	18826.T.2(G)	Public Infrastructure (Road)	Low	Temporary	0.008	Bridge Parapet Modifications	Very Low	Imperceptible	None
A	18826.T.250(F)	Public Infrastructure (Bridge)	Low	Temporary	0.093	Track Lowering required. OHLE will need to be connected to the Finnstown R120 Road Bridge (OBC19 )	Very Low	Imperceptible	None
A	18826.T.638(A)	Commercial/Industrial	High	Temporary	0.099	ESB Directional Drilling & Compound Works	Low	Slight	None
A	18827.E.157(E)	Development Lands	High	Easement	0.033	ESB Directional Drilling & Compound Works	Low	Slight	Slight
A	18827.E.2(H)	Development Lands	High	Easement	0.005	ESB Directional Drilling & Compound Works	Low	Slight	Slight
A	18827.E.3(IA)	Development Lands	High	Easement	0.077	ESB Directional Drilling & Compound Works	Low	Slight	Slight
A	18827.E.640(B)	Development Lands	High	Easement	0.023	ESB Directional Drilling & Compound Works	Low	Slight	Slight
A	18827.P.157(B)	Development Lands	High	Permanent	0.072	Kishoge Substation Right of Way access	Low	Slight	Slight
A	18827.P.2(A)	Development Lands	High	Permanent	0.014	Kishoge Substation & Compound	Low	Slight	Slight

Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
A	18827.P.2(B)	Development Lands	High	Permanent	0.116	Kishoge Substation & Compound	Low	Slight	Slight
A	18827.T.157(A)	Development Lands	High	Temporary	0.148	Kishoge Substation ESB Directional Drilling	Low	Slight	None
A	18827.T.2(D)	Development Lands	High	Temporary	0.062	ESB Directional Drilling	Low	Slight	None
A	18827.T.2(E)	Public Infrastructure (Road)	Low	Temporary	0.046	Existing Station Maintenance Access Route	Very Low	Imperceptible	None
A	18827.T.2(F)	Public Infrastructure (Road)	Low	Temporary	0.027	Existing Station Maintenance Access Route	Very Low	Imperceptible	None
A	18827.T.250(H)	Public Infrastructure (Bridge)	Low	Temporary	0.091	OHLE will need to be connected to the Kishoge Road Bridge (OBC14C )	Very Low	Imperceptible	None
A	18827.T.252(A)	Development Lands	High	Temporary	0.015	ESB Directional Drilling	Low	Slight	None
A	18827.T.3(EI)	Development Lands	High	Temporary	0.293	ESB Directional Drilling	Low	Slight	None
A	18827.T.640(A)	Development Lands	High	Temporary	0.023	ESB Directional Drilling & Compound Works	Low	Slight	None
A	18828.T.250(J)	Public Infrastructure (Bridge)	Low	Temporary	0.071	OHLE will need to be connected to Nangor Road Bridge (OBC13A )	Very Low	Imperceptible	None
A	18829.P.6(C)	Public Infrastructure (Bridge)	Low	Permanent	0.008	OHLE Mast Requirements	Low	Not significant	None
A	18829.T.250(L)	Public Infrastructure (Bridge)	Low	Temporary	0.037	OHLE will need to be connected to the Ninth Lock Bridge (OBC13 )	Very Low	Imperceptible	None



Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
A	18829.T.250(M)	Public Infrastructure (Bridge)	Low	Temporary	0.021	OHLE will need to be connected to the Cloverhill Road Bridge (OBC11 )	Very Low	Imperceptible	None
A	18830.P.3(FZ)	Development Lands	High	Permanent	0.279	Park West Substation and Compound and Access Road	Low	Slight	Slight
A	18830.R.3(IE)	Development Lands	High	Permanent	0.322	Park West Substation and Compound and Access Road	Low	Slight	Slight
A	18830.T.249(B)	Public Infrastructure (Bridge)	Low	Temporary	0.011	Temporary landtake for soffit electrification works	Very Low	Imperceptible	None
A	18830.T.249(C)	Public Infrastructure (Bridge)	Low	Temporary	0.000	Temporary landtake for soffit electrification works	Very Low	Imperceptible	None
A	18830.T.250(O)	Public Infrastructure (Bridge)	Low	Temporary	0.120	OHLE will need to be connected to the Park West Station Concourse Bridge (OBC9C )	Very Low	Imperceptible	None
A	18830.T.250(P)	Public Infrastructure (Bridge)	Low	Temporary	0.023	OHLE will need to be connected to the Park West Avenue Road Bridge (OBC9B )	Very Low	Imperceptible	None
A	18830.T.3(DH)	Public Infrastructure (Bridge)	Low	Temporary	0.215	ESB Directional Drilling & Compound Works	Very Low	Imperceptible	None
A	18830.T.3(EK)	Development Lands	High	Temporary	0.794	Park West SET Construction Compound	Low	Slight	None
A	18830.T.3(GH)	Development Lands	High	Temporary	0.744	Park West SET Construction Compound	Low	Slight	None
A	18830.T.9(F)	Public Infrastructure (Road)	Low	Temporary	0.302	ESB Directional Drilling & Compound Works	Very Low	Imperceptible	None
A	18830.T.9(J)	Public Infrastructure (Road)	Low	Temporary	0.270	ESB Directional Drilling- Access Route (Existing Road)	Very Low	Imperceptible	None



Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
A	18830.T.9(O)	Public Infrastructure (Road)	Low	Temporary	0.049	Haul Routes	Very Low	Imperceptible	None
A	18830.T.9(P)	Public Infrastructure (Road)	Low	Temporary	1.239	Haul Routes	Very Low	Imperceptible	None
B	18831.B.1(AB)	Public Infrastructure (Road)	Low	Right of Way (Extinguish)	0.00	Extinguishing of the public right of way to the southern access to the residential service road. Road raising locally with associated retaining wall results in closure of existing access. A new hammer head cul-de-sac is to be formed.	Low	Not Significant	None
B	18831.P.3(AJ)	Government/ Public Building or Lands	High	Permanent	0.144	Retaining Wall Anchors	Low	Slight	Slight
B	18831.P.3(EH)	Government/ Public Building or Lands	High	Permanent	0.033	Permanent reduction of the total land area between residential plots and the railway cess to facilitate track works and retaining walls and maintenance access to top of walls where possible.	Low	Slight	Slight
B	18831.P.3(FQ)	Government/ Public Building or Lands	High	Permanent	0.005	Permanent reduction of land area to allow for the revised location of Kylemore Road Bridge abutments/ Deck and track cess edge retaining walls.	Low	Slight	Slight
B	18831.P.3(G)	Public Infrastructure (Road)	Low	Permanent	0.002	Permanent reduction of land area to incorporate location of new bridge abutments and deck on the north approach road side	Low	Not Significant	Not Significant





Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
B	18831.P.3(GE)	Government/ Public Building or Lands	High	Permanent	0.013	Permanent reduction of full strip of land area between CIE boundary and Westlink Industrial Park for the construction of retaining walls and Headshunt track works	Low	Slight	Slight
B	18831.P.3(H)	Public Infrastructure (Road)	Low	Permanent	0.029	Permanent reduction in land area to accommodate the railway cess edge retaining wall and the reconstructed boundary wall along the southern edge of the Le Fanu Cul de-sac Park	Low	Not Significant	None
B	18831.P.40(G)	Commercial/ Industrial	High	Permanent	0.115	Permanent reduction of land area, as well as the demolition of unit 1 of the business park is required to facilitate the headshunt retaining wall. The available space will be utilised as a compound for the construction of Kylemore Road Bridge, temporary bridge as well as the piling works access along the headshunt piling platform	High	Profound	Profound
B	18831.S.1(G)	Residential	High	Substratum	0.009	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.1(S)	Residential	High	Substratum	0.010	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.1(T)	Residential	High	Substratum	0.010	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.1(U)	Residential	High	Substratum	0.015	Retaining Wall Anchors	Low	Slight	Slight



Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
B	18831.S.144(A)	Residential	High	Substratum	0.009	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.145(A)	Residential	High	Substratum	0.011	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.16(B)	Commercial/ Industrial	High	Substratum	0.082	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.16(C)	Commercial/ Industrial	High	Substratum	0.033	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.17(A)	Residential	High	Substratum	0.002	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.18(A)	Commercial/ Industrial	High	Substratum	0.031	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.19(A)	Public Infrastructure (Road)	Low	Substratum	0.041	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.20(A)	Residential	High	Substratum	0.007	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.21(A)	Residential	High	Substratum	0.028	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.22(A)	Residential	High	Substratum	0.022	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.23(A)	Residential	High	Substratum	0.009	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.234(A)	Residential	High	Substratum	0.001	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.24(A)	Residential	High	Substratum	0.009	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.25(A)	Residential	High	Substratum	0.009	Retaining Wall Anchors	Low	Slight	Slight



Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
B	18831.S.26(A)	Residential	High	Substratum	0.008	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.27(A)	Residential	High	Substratum	0.009	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.273(A)	Public Infrastructure (Road)	Low	Substratum	0.003	Retaining Wall Anchors	Low	Not Significant	None
B	18831.S.273(B)	Public Infrastructure (Road)	Low	Substratum	0.022	Retaining Wall Anchors	Low	Not Significant	None
B	18831.S.274(A)	Commercial/Industrial	High	Substratum	0.032	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.275(A)	Public Infrastructure (Road)	Low	Substratum	0.012	Retaining Wall Anchors	Low	Not Significant	None
B	18831.S.277(A)	Commercial/Industrial	High	Substratum	0.005	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.28(A)	Commercial/Industrial	High	Substratum	0.026	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.29(A)	Residential	High	Substratum	0.008	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.3(AA)	Residential	High	Substratum	0.010	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.3(AB)	Residential	High	Substratum	0.008	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.3(AC)	Residential	High	Substratum	0.008	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.3(AD)	Residential	High	Substratum	0.012	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.3(AE)	Residential	High	Substratum	0.010	Retaining Wall Anchors	Low	Slight	Slight



Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
B	18831.S.3(AF)	Residential	High	Substratum	0.009	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.3(AG)	Residential	High	Substratum	0.009	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.3(AH)	Residential	High	Substratum	0.008	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.3(AI)	Residential	High	Substratum	0.008	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.3(AK)	Residential	High	Substratum	0.012	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.3(AL)	Residential	High	Substratum	0.015	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.3(AN)	Public Infrastructure (Electrical)	Low	Substratum	0.003	Retaining Wall Anchors	Low	Not Significant	None
B	18831.S.3(AP)	Residential	High	Substratum	0.012	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.3(AQ)	Residential	High	Substratum	0.013	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.3(AR)	Residential	High	Substratum	0.013	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.3(AS)	Residential	High	Substratum	0.005	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.3(E)	Residential	High	Substratum	0.001	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.3(EE)	Public Infrastructure (Road)	Low	Substratum	0.033	Retaining Wall Anchors	Low	Not Significant	None
B	18831.S.3(EG)	Community (Park)	High	Substratum	0.081	Retaining Wall Anchors	Low	Slight	Slight



Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
B	18831.S.3(EL)	Residential	High	Substratum	0.023	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.3(FP)	Residential	High	Substratum	0.011	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.3(FR)	Commercial/ Industrial	High	Substratum	0.032	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.3(GF)	Public Infrastructure (Road)	Low	Substratum	0.016	Retaining Wall Anchors	Low	Not Significant	None
B	18831.S.3(GG)	Public Infrastructure (Road)	Low	Substratum	0.014	Retaining Wall Anchors	Low	Not Significant	None
B	18831.S.3(HZ)	Residential	High	Substratum	0.012	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.3(I)	Public Infrastructure (Road)	Low	Substratum	0.008	Retaining Wall Anchors	Low	Not Significant	None
B	18831.S.3(IB)	Residential	High	Substratum	0.005	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.3(K)	Residential	High	Substratum	0.009	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.3(L)	Residential	High	Substratum	0.008	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.3(M)	Government/ Public Building or Lands	High	Substratum	0.030	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.3(N)	Commercial/ Industrial	High	Substratum	0.110	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.3(S)	Residential	High	Substratum	0.011	Retaining Wall Anchors	Low	Slight	Slight



Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
B	18831.S.3(T)	Residential	High	Substratum	0.008	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.3(U)	Residential	High	Substratum	0.009	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.3(V)	Residential	High	Substratum	0.008	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.3(W)	Residential	High	Substratum	0.010	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.3(X)	Residential	High	Substratum	0.008	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.3(Y)	Residential	High	Substratum	0.008	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.3(Z)	Residential	High	Substratum	0.008	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.30(A)	Residential	High	Substratum	0.007	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.31(A)	Residential	High	Substratum	0.009	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.32(A)	Residential	High	Substratum	0.012	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.33(A)	Residential	High	Substratum	0.008	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.34(A)	Residential	High	Substratum	0.011	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.35(A)	Residential	High	Substratum	0.008	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.36(A)	Residential	High	Substratum	0.011	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.37(A)	Residential	High	Substratum	0.008	Retaining Wall Anchors	Low	Slight	Slight



Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
B	18831.S.38(A)	Residential	High	Substratum	0.009	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.39(A)	Commercial / Industrial	High	Substratum	0.051	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.40(C)	Commercial / Industrial	High	Substratum	0.015	Headshunt and retaining walls	Low	Slight	Slight
B	18831.S.41(A)	Residential	High	Substratum	0.008	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.42(A)	Residential	High	Substratum	0.008	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.43(A)	Residential	High	Substratum	0.012	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.44(A)	Residential	High	Substratum	0.012	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.45(A)	Residential	High	Substratum	0.023	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.46(A)	Residential	High	Substratum	0.023	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.47(A)	Residential	High	Substratum	0.010	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.48(A)	Residential	High	Substratum	0.027	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.49(A)	Residential	High	Substratum	0.015	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.50(A)	Residential	High	Substratum	0.026	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.51(A)	Residential	High	Substratum	0.009	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.52(A)	Residential	High	Substratum	0.012	Retaining Wall Anchors	Low	Slight	Slight



Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
B	18831.S.53(A)	Residential	High	Substratum	0.011	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.54(A)	Residential	High	Substratum	0.009	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.55(A)	Residential	High	Substratum	0.013	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.56(A)	Residential	High	Substratum	0.010	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.641(A)	Residential	High	Substratum	0.001	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.642(A)	Residential	High	Substratum	0.004	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.645(A)	Residential	High	Substratum	0.002	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.645(B)	Residential	High	Substratum	0.000	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.9(C)	Commercial/ Industrial	High	Substratum	0.101	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.9(I)	Commercial/ Industrial	High	Substratum	0.113	Retaining Wall Anchors	Low	Slight	Slight
B	18831.S.9(N)	Public Infrastructure (Road)	Low	Substratum	0.004	Retaining Wall Anchors	Low	Not Significant	None
B	18831.T.1(A)	Public Infrastructure (Road)	Low	Temporary	0.070	Temporary Land Reduction to allow for the establishment of an auxiliary compound and key access point for retaining wall construction and materials delivery.	Very Low	Imperceptible	None





Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
B	18831.T.15(A)	Public Infrastructure (Road)	Low	Temporary	0.008	Road Realignment Le Fanu North of Bridge requires temporary land-take for temporary traffic management, and road works, As well as a haul road for bridge material reception and construction	Very Low	Imperceptible	None
B	18831.T.15(B)	Public infrastructure (Road)	Low	Temporary	0.020	Road Realignment Le Fanu North of Bridge requires temporary land-take for temporary traffic management, and road works, As well as a haul road for bridge material reception and construction	Very Low	Imperceptible	None
B	18831.T.16(A)	Public Infrastructure (Road)	Low	Temporary	0.052	Temporary reduction in land area and use for the purposes of establishing a track access haul route for track retaining wall construction including local boundary wall reconstruction compound.	Very Low	Imperceptible	None
B	18831.T.250(Q)	Public Infrastructure (Bridge)	Low	Temporary	0.009	Fitted OHLE system at each side of bridge	Very Low	Imperceptible	None
B	18831.T.250(R)	Public Infrastructure (Bridge)	Low	Temporary	0.018	OHLE will need to be connected to the bridge	Very Low	Imperceptible	None
B	18831.T.250(S)	Public Infrastructure (Bridge)	Low	Temporary	0.055	OHLE will need to be connected to the bridge	Very Low	Imperceptible	None
B	18831.T.3(AM)	Public Infrastructure (Road)	Low	Temporary	0.479	Temporary land use required during the Kylemore Road Bridge reconstruction to allow for northbound traffic to continue	Very Low	Imperceptible	None



Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
						over the temporary bridge. extent of use will vary depending on the Kylemore Road reconstruction phasing requirements.			
B	18831.T.3(D)	Public Infrastructure (Road)	Low	Temporary	0.132	Temporary landtake to facilitate the reconstruction of the Kylemore bridge and associated approach road works, track retaining wall piling and including establishing temporary traffic management and construction haul routes to work sites and compounds.	Very Low	Imperceptible	None
B	18831.T.3(EF)	Community (Park)	High	Temporary	0.259	Road Realignment Le Fanu North of Bridge requires temporary landtake for compounds , temporary traffic management, road works and reinstatement of green spaces. It will result in a reduction of the public open space for the road widening.	Low	Slight	Slight
B	18831.T.3(F)	Public Infrastructure (Road)	Low	Temporary	0.234	Temporary land reduction to establish an auxiliary compound for the construction of the vulnerable user diversion north of the railway corridor to facilitate bridge and road reconstruction.	Very Low	Imperceptible	None
B	18831.T.3(O)	Public Infrastructure (Road)	Low	Temporary	0.160	Temporary land-take required to temporarily divert northbound traffic over the temporary vehicular diversion bridge. In	Very Low	Imperceptible	None



Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
						addition the area is required to manage the delivery of materials for bridge reconstruction, as well as being required for the associated road reconstruction.			
B	18831.T.3(P)	Public Infrastructure (Road)	Low	Temporary	0.09	Temporary land-take required to temporarily divert northbound traffic over the temporary vehicular diversion bridge. in addition, the area is required to manage the delivery of materials for bridge reconstruction, as well as being required for the associated road reconstruction.	Very Low	Imperceptible	None
B	18831.T.39(B)	Commercial/ Industrial	High	Temporary	0.066	Temporary reduction in land area and use for the purposes of establishing a track access haul route for track retaining wall construction including local boundary wall reconstruction compound. In addition to use as a piling platform prior to the installation of a temporary vulnerable user bridge in advance of the main bridge demolition and reconstruction works.	Low	Slight	Slight
B	18831.T.40(A)	Commercial/ Industrial	High	Temporary	0.030	A temporary landtake is required reducing access to the car parking area in front of the building to facilitate an Auxiliary Compound South East of Kylemore Bridge for temporary bridge construction; thereafter	Low	Slight	Slight



Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
						will then revert to the northbound vehicular diversion route over temporary bridge during construction and finally will provide access to the track to construct the retaining walls on the southern side of track works. Finally used for the reconstruction of the boundary walls along the road and rail corridors.			
B	18831.T.40(H)	Commercial/ Industrial	High	Temporary	0.033	A temporary Landtake is required reducing access to the car parking area in front of the building to facilitate an Auxiliary Compound South East of Kylemore Bridge for temporary bridge construction; thereafter will then revert to the northbound vehicular diversion route over temporary bridge during construction and finally will provide access to the track to construct the retaining walls on the southern side of track works. Finally used for the reconstruction of the boundary walls along the road and rail corridors.	Low	Slight	Slight
B	18831.T.40(J)	Commercial/ Industrial	High	Temporary	0.139	A temporary Landtake is required reducing access to the car parking area in front of the building to facilitate an Auxiliary Compound South East of	Low	Slight	Slight



Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
						Kylemore Bridge for temporary bridge construction; thereafter will then revert to the northbound vehicular diversion route over temporary bridge during construction and finally will provide access to the track to construct the retaining walls on the southern side of track works. Finally used for the reconstruction of the boundary walls along the road and rail corridors.			
B	18831.T.9(A)	Commercial/ Industrial	High	Temporary	0.203	Temporary reduction in land area and use for the purposes of establishing an auxiliary compound and haul route for the construction of track and retaining walls.	Low	Slight	Slight
B	18831.T.9(B)	Commercial/ Industrial	High	Temporary	0.229	Temporary reduction in land area and use for the purposes of establishing an auxiliary compound and haul route for the construction of track and retaining walls.	Low	Slight	Slight
B	18831.T.9(D)	Commercial/ Industrial	High	Temporary	0.782	A temporary Landtake is required to provide a main track access point for retaining wall construction. In addition utilities diversion works will take place within the temporary landtake for 38kv and combined sewer (both currently traverse the same lands. the site will also provide	Low	Slight	Slight



Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
						direct access to establish the temporary vulnerable user bridge required for the reconstruction of Le Fanu Road Bridge			
B	18831.T.9(G)	Commercial/ Industrial	High	Temporary	0.382	Temporary reduction in land area and use for the purposes of establishing the main project construction compound including site office, equipment and vehicle storage.	Low	Slight	Slight
B	18831.T.9(K)	Commercial/ Industrial	High	Temporary	0.528	Temporary reduction in land area and use for the purposes of establishing the main project construction compound including site office, equipment and vehicle storage.	Low	Slight	Slight
B	18831.T.9(L)	Public Infrastructure (Road)	Low	Temporary	0.039	Road Realignment Le Fanu North of Bridge requires temporary landtake for temporary traffic management, and road works, As well as a haul road for bridge material reception and construction.	Very low	Imperceptible	None
B	18831.T.9(M)	Public Infrastructure (Road)	Low	Temporary	0.015	Road Realignment Le Fanu North of Bridge requires temporary landtake for temporary traffic management, and road works, As well as a haul road for bridge material reception and construction.	Very low	Imperceptible	None
B	18831.T.9(Q)	Public Infrastructure (Road)	Low	Temporary	0.415	Park West Business Park roads will be used to access compounds and track access	Very low	Imperceptible	None



Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
						points and to link compounds for site supervision and materials transfer.			
B	18831.T.9(R)	Public Infrastructure (Road)	Low	Temporary	0.375	Park West Business Park roads will be used to access compounds and track access points and to link compounds for site supervision and materials transfer.	Very low	Imperceptible	None
B	18831.T.9(S)	Public Infrastructure (Road)	Low	Temporary	0.167	Park West Business Park roads will be used to access compounds and track access points and to link compounds for site supervision and materials transfer.	Very low	Imperceptible	None
B	18831.T.9(T)	Public Infrastructure (Road)	Low	Temporary	0.230	Park West Business Park roads will be used to access compounds and track access points and to link compounds for site supervision and materials transfer.	Very low	Imperceptible	None
B	18831.T.9(U)	Public Infrastructure (Road)	Low	Temporary	0.728	Park West Business Park roads will be used to access compounds and track access points and to link compounds for site supervision and materials transfer.	Very low	Imperceptible	None
B	18831.T.9€	Commercial/Industrial	High	Temporary	0.092	A temporary Landtake is required to provide a main track access point for retaining wall construction. In addition utilities diversion works will take place within the temporary land take for 38kv and combined sewer	Low	Slight	Slight



Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
						(both currently traverse the same lands. The site will also provide direct access to establish the temporary vulnerable user bridge required for the reconstruction of Le Fanu Road Bridge.			
B	18831.W.1(AH)	Public Infrastructure (Road)	Low	Temporary	0.000	Le Fanu Road Bridge closure for Reconstruction - Public Right of Way Temporarily Interrupted.	Very Low	Imperceptible	None
B	18832.B.119(B)	Residential	High	Substratum	0.004	Retaining Wall Anchors: Steel rods are drilled through the newly constructed retaining walls and into the ground below the top of retaining wall. Typical horizontal spacing of anchors is every 1m perpendicular to the railway corridor. The anchors extend into 3rd party lands adjacent to the railway corridor. 3rd Party Landowners will require CIE consent to excavate lower than 0.5m below the existing finished ground level.	Low	Slight	Slight
B	18832.P.1(BI)	Residential	High	Permanent	0.001	Permanent reduction of land area to accommodate the foundation of the reconstructed Khyber Pass Footbridge, as well as facilitate future maintenance and inspection access.	Medium	Significant	Significant
B	18832.P.1(BJ)	Residential	High	Permanent	0.001	Permanent reduction of land area to accommodate the foundation of the reconstructed Khyber Pass Footbridge, as well	Medium	Significant	Significant





Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
						as facilitate future maintenance and inspection access.			
B	18832.P.1(BV)	Residential	High	Permanent	0.002	Permanent reduction of land area to accommodate the foundation of the reconstructed Khyber Pass Footbridge, as well as facilitate future maintenance and inspection access.	Medium	Significant	Significant
B	18832.P.1(CC)	Residential	High	Permanent	0.002	Permanent reduction of land area to accommodate the foundation of the reconstructed Khyber Pass Footbridge, as well as facilitate future maintenance and inspection access.	Medium	Significant	Significant
B	18832.P.280(B)	Commercial/ Industrial	High	Permanent	0.058	Permanent reduction of the land area as a requirement to accommodate track modifications and associated track edge retaining walls. Boundary walls will be reconstructed on top of the new retaining walls to limit further impact.	Medium	Significant	Significant
B	18832.P.3(BL)	Residential	High	Permanent	0.061	Permanent reduction of the total land area between residential plots and the railway cess to facilitate track works and retaining walls and maintenance access to top of walls where possible.	Medium	Significant	Significant
B	18832.P.3(BM)	Government/ Public Building or Lands	High	Permanent	0.012	Permanent reduction of the total land area between residential plots and the railway cess to	Medium	Significant	Significant



Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
						facilitate track works and retaining walls and maintenance access to top of walls where possible.			
B	18832.P.3(DL)	Government/ Public Building or Lands	High	Permanent	0.078	Permanent reduction of the total land area between residential plots and the railway cess to facilitate track works and retaining walls and maintenance access to top of walls where possible.	Medium	Significant	Significant
B	18832.P.3(GB)	Government/ Public Building or Lands	High	Permanent	0.134	Permanent reduction of the total land area between residential plots and the railway cess to facilitate track works and for maintenance access to soil nailing cutting face	Medium	Significant	Significant
B	18832.P.3(Q)	Government/ Public Building or Lands	High	Permanent	0.048	Permanent reduction of the total land area between residential plots and the railway cess to facilitate track works and retaining walls and maintenance access to top of walls where possible.	Medium	Significant	Significant
B	18832.P.302(A)	Residential (Apartments)	High	Permanent	0.006	Permanent reduction of land area to accommodate the foundation of the reconstructed Khyber Pass Footbridge, as well as facilitate future maintenance and inspection access.	Medium	Significant	Significant
B	18832.P.40(E)	Commercial/ Industrial	High	Permanent	0.016	Permanent reduction of the land area as a requirement to accommodate track modifications and associated	Medium	Significant	Significant



Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
						track edge retaining walls. Boundary walls will be reconstructed on top of the new retaining walls to limit further impact.			
B	18832.P.61(A)	Residential	High	Permanent	0.019	Permanent reduction of land area to shift boundary wall and driveway closer to house as a result of track works	Medium	Significant	Significant
B	18832.S.1(AI)	Residential	High	Substratum	0.006	Soil Nailing	Low	Slight	Slight
B	18832.S.1(AK)	Residential	High	Substratum	0.004	Soil Nailing	Low	Slight	Slight
B	18832.S.1(AM)	Residential	High	Substratum	0.004	Soil Nailing	Low	Slight	Slight
B	18832.S.1(AN)	Residential	High	Substratum	0.004	Soil Nailing	Low	Slight	Slight
B	18832.S.1(AS)	Residential	High	Substratum	0.004	Soil Nailing	Low	Slight	Slight
B	18832.S.1(V)	Residential	High	Substratum	0.008	Retaining Wall Anchors	Low	Slight	Slight
B	18832.S.1(W)	Residential	High	Substratum	0.008	Retaining Wall Anchors	Low	Slight	Slight
B	18832.S.100(C)	Residential	High	Substratum	0.005	Soil Nailing	Low	Slight	Slight
B	18832.S.101(C)	Residential	High	Substratum	0.005	Soil Nailing	Low	Slight	Slight
B	18832.S.102(C)	Residential	High	Substratum	0.005	Soil Nailing	Low	Slight	Slight
B	18832.S.103(C)	Residential	High	Substratum	0.006	Soil Nailing	Low	Slight	Slight



Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
B	18832.S.104(C)	Residential	High	Substratum	0.005	Soil Nailing	Low	Slight	Slight
B	18832.S.105(C)	Residential	High	Substratum	0.004	Soil Nailing	Low	Slight	Slight
B	18832.S.106(C)	Residential	High	Substratum	0.006	Soil Nailing	Low	Slight	Slight
B	18832.S.107(C)	Residential	High	Substratum	0.004	Soil Nailing	Low	Slight	Slight
B	18832.S.108(C)	Residential	High	Substratum	0.004	Soil Nailing	Low	Slight	Slight
B	18832.S.109(C)	Residential	High	Substratum	0.006	Soil Nailing	Low	Slight	Slight
B	18832.S.110(C)	Residential	High	Substratum	0.005	Soil Nailing	Low	Slight	Slight
B	18832.S.111(B)	Residential	High	Substratum	0.006	Soil Nailing	Low	Slight	Slight
B	18832.S.112(A)	Residential	High	Substratum	0.004	Soil Nailing	Low	Slight	Slight
B	18832.S.113(B)	Residential	High	Substratum	0.004	Soil Nailing	Low	Slight	Slight
B	18832.S.114(B)	Residential	High	Substratum	0.004	Soil Nailing	Low	Slight	Slight
B	18832.S.116(B)	Residential	High	Substratum	0.005	Soil Nailing	Low	Slight	Slight
B	18832.S.117(B)	Residential	High	Substratum	0.004	Soil Nailing	Low	Slight	Slight
B	18832.S.118(B)	Residential	High	Substratum	0.004	Soil Nailing	Low	Slight	Slight
B	18832.S.120(B)	Residential	High	Substratum	0.003	Soil Nailing	Low	Slight	Slight



Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
B	18832.S.121(B)	Residential	High	Substratum	0.003	Retaining Wall Anchors	Low	Slight	Slight
B	18832.S.122(B)	Residential	High	Substratum	0.003	Retaining Wall Anchors	Low	Slight	Slight
B	18832.S.153(A)	Residential	High	Substratum	0.006	Retaining Wall Anchors	Low	Slight	Slight
B	18832.S.164(B)	Residential	High	Substratum	0.005	Soil Nailing	Low	Slight	Slight
B	18832.S.280(A)	Commercial/ Industrial	Low	Substratum	0.110	Retaining Wall Anchors	Low	Slight	Slight
B	18832.S.3(AT)	Residential	High	Substratum	0.005	Retaining Wall Anchors	Low	Slight	Slight
B	18832.S.3(AU)	Residential	High	Substratum	0.008	Retaining Wall Anchors	Low	Slight	Slight
B	18832.S.3(AV)	Residential	High	Substratum	0.005	Retaining Wall Anchors	Low	Slight	Slight
B	18832.S.3(AW)	Residential	High	Substratum	0.006	Retaining Wall Anchors	Low	Slight	Slight
B	18832.S.3(AX)	Residential	High	Substratum	0.007	Retaining Wall Anchors	Low	Slight	Slight
B	18832.S.3(AY)	Residential	High	Substratum	0.007	Retaining Wall Anchors	Low	Slight	Slight
B	18832.S.3(AZ)	Residential	High	Substratum	0.006	Retaining Wall Anchors	Low	Slight	Slight
B	18832.S.3(BA)	Residential	High	Substratum	0.008	Retaining Wall Anchors	Low	Slight	Slight
B	18832.S.3(BB)	Residential	High	Substratum	0.006	Retaining Wall Anchors	Low	Slight	Slight
B	18832.S.3(BC)	Residential	High	Substratum	0.006	Retaining Wall Anchors	Low	Slight	Slight



Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
B	18832.S.3(BD)	Residential	High	Substratum	0.007	Retaining Wall Anchors	Low	Slight	Slight
B	18832.S.3(BE)	Residential	High	Substratum	0.007	Retaining Wall Anchors	Low	Slight	Slight
B	18832.S.3(BF)	Residential	High	Substratum	0.006	Retaining Wall Anchors	Low	Slight	Slight
B	18832.S.3(DJ)	Residential	High	Substratum	0.004	Soil Nailing	Low	Slight	Slight
B	18832.S.3(DN)	Residential	High	Substratum	0.004	Soil Nailing	Low	Slight	Slight
B	18832.S.3(DO)	Residential	High	Substratum	0.005	Soil Nailing	Low	Slight	Slight
B	18832.S.3(DP)	Residential	High	Substratum	0.004	Soil Nailing	Low	Slight	Slight
B	18832.S.3(DQ)	Residential	High	Substratum	0.004	Soil Nailing	Low	Slight	Slight
B	18832.S.3(DR)	Residential	High	Substratum	0.005	Soil Nailing	Low	Slight	Slight
B	18832.S.3(DT)	Residential	High	Substratum	0.004	Soil Nailing	Low	Slight	Slight
B	18832.S.3(DU)	Residential	High	Substratum	0.005	Soil Nailing	Low	Slight	Slight
B	18832.S.3(DZ)	Residential	High	Substratum	0.004	Soil Nailing	Low	Slight	Slight
B	18832.S.3(EO)	Residential	High	Substratum	0.004	Soil Nailing	Low	Slight	Slight
B	18832.S.3(EU)	Residential	High	Substratum	0.005	Retaining Wall Anchors	Low	Slight	Slight
B	18832.S.3(EV)	Residential	High	Substratum	0.003	Retaining Wall Anchors	Low	Slight	Slight



Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
B	18832.S.3(EW)	Residential	High	Substratum	0.003	Retaining Wall Anchors	Low	Slight	Slight
B	18832.S.3(EX)	Residential	High	Substratum	0.004	Soil Nailing	Low	Slight	Slight
B	18832.S.3(EY)	Residential	High	Substratum	0.005	Soil Nailing	Low	Slight	Slight
B	18832.S.3(EZ)	Residential	High	Substratum	0.005	Soil Nailing	Low	Slight	Slight
B	18832.S.3(FA)	Residential	High	Substratum	0.004	Soil Nailing	Low	Slight	Slight
B	18832.S.3(FB)	Residential	High	Substratum	0.005	Soil Nailing	Low	Slight	Slight
B	18832.S.3(FC)	Residential	High	Substratum	0.004	Soil Nailing	Low	Slight	Slight
B	18832.S.3(FE)	Residential	High	Substratum	0.006	Soil Nailing	Low	Slight	Slight
B	18832.S.3(FG)	Residential	High	Substratum	0.005	Soil Nailing	Low	Slight	Slight
B	18832.S.3(FJ)	Residential	High	Substratum	0.006	Soil Nailing	Low	Slight	Slight
B	18832.S.3(FL)	Residential	High	Substratum	0.005	Soil Nailing	Low	Slight	Slight
B	18832.S.3(FN)	Residential	High	Substratum	0.004	Soil Nailing	Low	Slight	Slight
B	18832.S.3(FS)	Residential	High	Substratum	0.004	Soil Nailing	Low	Slight	Slight
B	18832.S.3(FW)	Residential	High	Substratum	0.004	Soil Nailing	Low	Slight	Slight
B	18832.S.3(FX)	Residential	High	Substratum	0.005	Soil Nailing	Low	Slight	Slight



Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
B	18832.S.3(FY)	Residential	High	Substratum	0.005	Soil Nailing	Low	Slight	Slight
B	18832.S.40(D)	Commercial/ Industrial	High	Substratum	0.170	Retaining Wall Anchors	Low	Slight	Slight
B	18832.S.40(F)	Commercial/ Industrial	High	Substratum	0.046	Retaining Wall Anchors	Low	Slight	Slight
B	18832.S.57(A)	Residential	High	Substratum	0.007	Retaining Wall Anchors	Low	Slight	Slight
B	18832.S.58(A)	Residential	High	Substratum	0.005	Retaining Wall Anchors	Low	Slight	Slight
B	18832.S.59(A)	Residential	High	Substratum	0.006	Retaining Wall Anchors	Low	Slight	Slight
B	18832.S.60(A)	Residential	High	Substratum	0.007	Retaining Wall Anchors	Low	Slight	Slight
B	18832.S.62(A)	Residential	High	Substratum	0.006	Retaining Wall Anchors	Low	Slight	Slight
B	18832.S.63(A)	Residential	High	Substratum	0.006	Retaining Wall Anchors	Low	Slight	Slight
B	18832.S.84(A)	Residential	High	Substratum	0.005	Soil Nailing	Low	Slight	Slight
B	18832.S.86(B)	Residential	High	Substratum	0.005	Soil Nailing	Low	Slight	Slight
B	18832.S.87(B)	Residential	High	Substratum	0.004	Soil Nailing	Low	Slight	Slight
B	18832.S.88(B)	Residential	High	Substratum	0.004	Soil Nailing	Low	Slight	Slight
B	18832.S.89(B)	Residential	High	Substratum	0.004	Soil Nailing	Low	Slight	Slight
B	18832.S.90(B)	Residential	High	Substratum	0.004	Soil Nailing	Low	Slight	Slight





Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
B	18832.S.91(B)	Residential	High	Substratum	0.004	Soil Nailing	Low	Slight	Slight
B	18832.S.92(B)	Residential	High	Substratum	0.004	Soil Nailing	Low	Slight	Slight
B	18832.S.93(C)	Residential	High	Substratum	0.004	Soil Nailing	Low	Slight	Slight
B	18832.S.94(C)	Residential	High	Substratum	0.004	Soil Nailing	Low	Slight	Slight
B	18832.S.95(C)	Residential	High	Substratum	0.006	Soil Nailing	Low	Slight	Slight
B	18832.S.96(C)	Residential	High	Substratum	0.005	Soil Nailing	Low	Slight	Slight
B	18832.S.97(C)	Residential	High	Substratum	0.005	Retaining Wall Anchors	Low	Slight	Slight
B	18832.S.98(C)	Residential	High	Substratum	0.004	Retaining Wall Anchors	Low	Slight	Slight
B	18832.S.99(C)	Residential	High	Substratum	0.006	Soil Nailing	Low	Slight	Slight
B	18832.T.1(BA)	Residential	High	Temporary	0.008	Temporary reduction of land area to facilitate haul road access for the construction of track, walls on northern side of corridor as well as Khyber Pass Footbridge.	Low	Slight	Slight
B	18832.T.1(BH)	Residential	High	Temporary	0.001	Construction Compound and Haul Route.	Low	Slight	Slight
B	18832.T.1(BK)	Residential	High	Temporary	0.005	Temporary reduction of land area to facilitate haul road access for the construction of track, walls on northern side of	Low	Slight	Slight



Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
						corridor as well as Khyber Pass Footbridge.			
B	18832.T.1(CB)	Residential	High	Temporary	0.008	Temporary reduction of land area to facilitate haul road access for the construction of track, walls on northern side of corridor as well as Khyber Pass Footbridge.	Low	Slight	Slight
B	18832.T.280(C)	Commercial/Industrial	High	Temporary	0.193	Temporary Reduction in land area for the construction of sewer diversion and for demolition of old and finishing of new boundary wall on top of retaining wall.	Low	Slight	Slight
B	18832.T.302(B)	Residential (Apartments)	High	Temporary	0.035	Temporary Reduction in land area to accommodate a construction compound associated with the construction of Khyber Pass Footbridge.	Low	Slight	Slight
B	18832.T.40(I)	Commercial/Industrial	High	Temporary	0.014	A temporary Landtake is required reducing access to the car parking area in front of the building to facilitate an Auxiliary Compound South East of Kylemore Bridge for temporary bridge construction; their after will then revert to the northbound vehicular diversion route over temporary bridge during construction and finally will provide access to the track to construct the retaining walls on the southern side of track	Low	Slight	Slight



Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
						works. Finally used for the reconstruction of the boundary walls along the road and rail corridors.			
B	18832.T.40(K)	Commercial/ Industrial	High	Temporary	0.036	A temporary Landtake is required reducing access to the car parking area in front of the building to facilitate an Auxiliary Compound South East of Kylemore Bridge for temporary bridge construction; their after will then revert to the northbound vehicular diversion route over temporary bridge during construction and finally will provide access to the track to construct the retaining walls on the southern side of track works. Finally used for the reconstruction of the boundary walls along the road and rail corridors.	Low	Slight	Slight
B	18832.T.40(L)	Commercial/ Industrial	High	Temporary	0.018	A temporary Landtake is required reducing access to the car parking area in front of the building to facilitate an Auxiliary Compound South East of Kylemore Bridge for temporary bridge construction; their after will then revert to the northbound vehicular diversion route over temporary bridge during construction and finally will provide access to the track	Low	Slight	Slight



Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
						to construct the retaining walls on the southern side of track works. Finally used for the reconstruction of the boundary walls along the road and rail corridors.			
B	18832.T.40(M)	Commercial/Industrial	High	Temporary	0.051	A temporary Landtake is required reducing access to the car parking area in front of the building to facilitate an Auxiliary Compound South East of Kylemore Bridge for temporary bridge construction; thereafter will then revert to the northbound vehicular diversion route over temporary bridge during construction and finally will provide access to the track to construct the retaining walls on the southern side of track works. Finally used for the reconstruction of the boundary walls along the road and rail corridors.	Low	Slight	Slight
B	18832.T.61(B)	Residential	High	Temporary	0.023	Temporary Reduction in land area to reconstruct driveway, property access gates, and railway corridor boundary wall.	Low	Slight	Slight
B	18832.W.1(AJ)	Public Infrastructure (Road)	Low	Temporary - Right of Way	0.000	Public Right of Way Temporarily Interrupted	Low	Not significant	None
B	18832.W.1(AL)	Public Infrastructure (Road)	Low	Temporary - Right of Way	0.000	Public Right of Way Temporarily Interrupted	Low	Not significant	None



Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
B	18833.P.1(AF)	Government/ Public Building or Lands	High	Permanent	0.018	Permanent reduction of the total land area along the railway cess to facilitate track works and retaining walls and maintenance access to top of walls where possible.	Medium	Significant	Significant
B	18833.P.281(A)	Commercial/ Industrial	High	Permanent	0.172	Permanent Reduction in land area as a consequence of the track modifications and associated relocation of retaining requiring the demolition of the main operational building of the site.	High	Profound	Profound
B	18833.PA.250(AE)	Public Infrastructure (Bridge)	Low	Permanent	0.010	Southern Deck Reconstruction requires air rights for the bridge.	Low	Not Significant	None
B	18833.S.1(AE)	Government/ Public Building or Lands	High	Substratum	0.239	Retaining Wall Anchors	Low	Slight	Slight
B	18833.S.1(AV)	Public Infrastructure (Road)	Low	Substratum	1.593	Retaining Wall Anchors	Low	Slight	Slight
B	18833.S.1(AY)	Public Infrastructure (Road)	Low	Substratum	0.001	Retaining Wall Anchors	Low	Slight	Slight
B	18833.S.1(AZ)	Public Infrastructure (Road)	Low	Substratum	0.016	Retaining Wall Anchors	Low	Slight	Slight
B	18833.S.136(A)	Residential	High	Substratum	0.005	Retaining Wall Anchors	Low	Slight	Slight
B	18833.T.136(B)	Residential	High	Temporary	0.003	Temporary reduction in land area and loss of associated use of back gardens during the	Low	Slight	Slight



Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
						construction of new retaining and reconstruction of boundary walls.			
B	18833.S.137(A)	Commercial/Industrial	High	Substratum	0.017	Retaining Wall Anchors	Low	Slight	Slight
B	18833.T.137(B)	Commercial/Industrial	High	Temporary	0.007	Temporary reduction in land area and loss of associated use of car parking along the rail corridor boundary during the construction of new retaining and reconstruction of boundary walls.	Low	Slight	Slight
B	18833.T.137(C)	Residential	High	Temporary	0.003	Temporary reduction in land area for the reconstruction of boundary walls.	Low	Slight	Slight
B	18833.S.137(D)	Residential	High	Substratum	0.007	Retaining Wall Anchors	Low	Slight	Slight
B	18833.S.138(A)	Residential	High	Substratum	0.004	Retaining Wall Anchors	Low	Slight	Slight
B	18833.S.139(A)	Residential	High	Substratum	0.004	Retaining Wall Anchors	Low	Slight	Slight
B	18833.S.140(A)	Residential	High	Substratum	0.003	Retaining Wall Anchors	Low	Slight	Slight
B	18833.T.165(G)	Government/ Public Building or Lands	High	Temporary	0.019	Temporary Land area reduction to facilitate the establishment of a compound in Memorial Road and install hoarding and signage to provide the most direct and safe connectivity between the buildings (either side of Memorial Road). This will include an area to segregate	Low	Slight	None



Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
						public access from the buildings while still offering a direct route to the temporary vulnerable user bridge.			
B	18833.T.165(H)	Government/ Public Building or Lands	High	Temporary	0.003	Temporary Land area reduction to facilitate the establishment of a compound in Memorial Road and install hoarding and signage to provide the most direct and safe connectivity between the buildings (either side of Memorial Road).	Low	Slight	None
B	18833.T.165(I)	Government/ Public Building or Lands	High	Temporary	0.008	Temporary Land area reduction to facilitate the demolition of the existing bridge, piling of the new bridge abutments and reconstruction of boundary walls and fences after the reconstruction of the bridge.	Low	Slight	None
B	18833.T.1(AC)	Public Infrastructure (Road)	Low	Temporary	0.026	Road Works	Very Low	Imperceptible	None
B	18833.T.1(AD)	Government/ Public Building or Lands	High	Temporary	0.103	A temporary Landtake is required to provide a construction compound which includes access off public road and mainly for used cranes operations associated with the northern bridge deck construction.	Low	Slight	None
B	18833.T.1(AG)	Government/ Public Building or Lands	High	Temporary	0.397	Temporary Reduction in land area Construct Access to rail corridor from public road for construction of the slow track	Low	Slight	None



Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
						and retaining walls including establishing an associated compound. Final finishing and reinstatement works including boundary reconstruction.			
B	18833.W.1(AO)	Public Infrastructure (Road)	Low	Temporary – Right of Way	0.000	Public Right of Way Temporarily Interrupted	Low	Not significant	None
B	18833.T.1(AT)	Public Infrastructure (Road)	Low	Temporary	0.071	Temporary Landtake for Road reinstatement associated with utility diversions associated with bridge reconstruction; as well as temporary traffic management for demolition and reconstruction of bridge decks.	Very Low	Imperceptible	None
B	18833.T.1(AW)	Public Infrastructure (Road)	Low	Temporary	0.379	A temporary Landtake is required to provide a construction compound which includes the existing bus lane and footpaths. This will include a linear haul route to facilitate multiple piling rigs and embankment excavation as well as associated heavy machinery.	Very Low	Imperceptible	None
B	18833.T.1(BM)	Public Infrastructure (Road)	Low	Temporary	0.097	A temporary Landtake is required to provide the Main Memorial Road Bridge construction compound, this will facilitate piling, utility diversions temporary bridge construction, main bridge construction and provide welfare, management and minor material storage.	Very Low	Imperceptible	None





Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
B	18833.T.250(T)	Public Infrastructure (Bridge)	Low	Temporary	0.046	OHLE will need to be connected to the bridge	Very Low	Imperceptible	None
B	18833.T.281(B)	Commercial/Industrial	High	Temporary	0.226	Temporary reduction in use of the land area is required as it is to be used as the main track access for the section from Sarsfield Road to South Circular Road and for the reconstruction of Sarsfield Road abutments and southern deck. In addition, the temporary landtake is required for the demolition of the operational buildings and reconstruction of the boundary walls.	Low	Slight	None
B	18833.S.309(A)	Residential	High	Substratum	0.007	Retaining Wall Anchors	Low	Slight	Slight
B	18833.S.310(A)	Residential	High	Substratum	0.004	Retaining Wall Anchors	Low	Slight	Slight
B	18833.S.311(A)	Residential	High	Substratum	0.004	Retaining Wall Anchors	Low	Slight	Slight
B	18833.S.312(A)	Residential	High	Substratum	0.004	Retaining Wall Anchors	Low	Slight	Slight
B	18833.S.313(A)	Residential	High	Substratum	0.004	Retaining Wall Anchors	Low	Slight	Slight
B	18833.S.314(A)	Residential	High	Substratum	0.003	Retaining Wall Anchors	Low	Slight	Slight
B	18833.S.315(A)	Residential	High	Substratum	0.003	Retaining Wall Anchors	Low	Slight	Slight
B	18833.S.316(A)	Residential	High	Substratum	0.003	Retaining Wall Anchors	Low	Slight	Slight

Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
B	18833.S.317(A)	Residential	High	Substratum	0.003	Retaining Wall Anchors	Low	Slight	Slight
B	18833.S.318(A)	Residential	High	Substratum	0.003	Retaining Wall Anchors	Low	Slight	Slight
B	18833.S.319(A)	Residential	High	Substratum	0.003	Retaining Wall Anchors	Low	Slight	Slight
B	18833.S.320(A)	Residential	High	Substratum	0.003	Retaining Wall Anchors	Low	Slight	Slight
B	18833.S.321(A)	Residential	High	Substratum	0.003	Retaining Wall Anchors	Low	Slight	Slight
B	18833.S.322(A)	Residential	High	Substratum	0.003	Retaining Wall Anchors	Low	Slight	Slight
B	18833.S.323(A)	Residential	High	Substratum	0.003	Retaining Wall Anchors	Low	Slight	Slight
B	18833.S.324(A)	Residential	High	Substratum	0.003	Retaining Wall Anchors	Low	Slight	Slight
B	18833.S.325(A)	Residential	High	Substratum	0.004	Retaining Wall Anchors	Low	Slight	Slight
B	18833.S.326(A)	Residential	High	Substratum	0.003	Retaining Wall Anchors	Low	Slight	Slight
B	18833.S.327(A)	Residential	High	Substratum	0.003	Retaining Wall Anchors	Low	Slight	Slight
B	18833.S.328(A)	Residential	High	Substratum	0.002	Retaining Wall Anchors	Low	Slight	Slight
B	18833.T.328(B)	Residential	High	Temporary	0.001	Temporary reduction in land area and loss of associated use of back gardens during the construction of new retaining and reconstruction of boundary walls	Low	Slight	None



Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
B	18833.S.328(C)	Residential	High	Substratum	0.005	Retaining Wall Anchors	Low	Slight	Slight
B	18833.T.328(D)	Residential	High	Temporary	0.002	Temporary reduction in land area and loss of associated use of back gardens during the construction of new retaining and reconstruction of boundary walls	Low	Slight	None
B	18833.S.329(A)	Residential	High	Substratum	0.004	Retaining Wall Anchors	Low	Slight	Slight
B	18833.T.329(B)	Residential	High	Temporary	0.002	Temporary reduction in land area and loss of associated use of back gardens during the construction of new retaining and reconstruction of boundary walls	Low	Slight	None
B	18833.S.329(C)	Residential	High	Substratum	0.005	Retaining Wall Anchors	Low	Slight	Slight
B	18833.T.329(D)	Residential	High	Temporary	0.002	Temporary reduction in land area and loss of associated use of back gardens during the construction of new retaining and reconstruction of boundary walls	Low	Slight	None
B	18833.S.330(A)	Residential	High	Substratum	0.005	Retaining Wall Anchors	Low	Slight	Slight
B	18833.T.330(B)	Residential	High	Temporary	0.002	Temporary reduction in land area and loss of associated use of back gardens during the construction of new retaining and reconstruction of boundary walls	Low	Slight	None



Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
B	18833.S.332(A)	Residential	High	Substratum	0.005	Retaining Wall Anchors	Low	Slight	Slight
B	18833.T.332(B)	Residential	High	Temporary	0.002	Temporary reduction in land area and loss of associated use of back gardens during the construction of new retaining and reconstruction of boundary walls	Low	Slight	None
B	18833.S.333(A)	Residential	High	Substratum	0.005	Retaining Wall Anchors	Low	Slight	Slight
B	18833.T.333(B)	Residential	High	Temporary	0.002	Temporary reduction in land area and loss of associated use of back gardens during the construction of new retaining and reconstruction of boundary walls	Low	Slight	None
C	18834.T.3(GS)	Public infrastructure (Road)	Low	Temporary	0.150	Heuston substation compound entrance and crane loading	Very low	Imperceptible	None
C	18834.P.3(J)	Public infrastructure (Road)	Low	Permanent	0.005	Permanent land take to account for the new tracks, cut and cover buried portal (OBC1A) as well the associated road and wall reinstatement works.	Low	Not Significant	None
C	18834.P.3(GT)	Public infrastructure (Road)	Low	Permanent	0.089	Road works	Low	Not Significant	None
C	18834.T.3(GQ)	Public infrastructure (Road)	Low	Temporary	0.167	Road works	Very low	Imperceptible	None
D	18834.P.151(G)	Residential (Apartments)	High	Permanent	N/A	Right of Way footpath and cycleway connection between Clancy Quay and Heuston West.	Low	Slight	Slight



Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
D	18834.P.151(H)	Residential (Apartments)	High	Permanent	N/A	Right of Way footpath and cycleway connection between Clancy Quay and Heuston West.	Low	Slight	Slight
D	18834.P.165(C)	Government/ Public Building or Lands	High	Permanent	0.029	Lowering of Phoenix Park Tunnel base.	Low	Slight	Slight
D	18834.P.288(C)	Residential (Apartments)	High	Permanent	0.001	The existing parapet on the track side of the car park ramp will be raised to provide a minimum height of 1.8m.	Low	Slight	Slight
D	18834.P.289(A)	Residential (Apartments)	High	Permanent	0.002	Land required for construction of OHLE poles and the running of cables between poles between the Liffey Bridge and Conyngham Road	Low	Slight	Slight
D	18834.P.3(DD)	Public Infrastructure (Road)	Low	Permanent	0.130	Bridge Works	Low	Not Significant	None
D	18834.P.3(EC)	Public Infrastructure (Road)	Low	Permanent	0.005	Permanent reduction of land area to accommodate the construction of the new piled cut and cover buried portal structure and the relocation of rail/rail corridor boundary walls onto road corridor edge retaining walls above the structure.	Low	Not Significant	None
D	18834.PA.287(A)	Residential (Apartments)	High	Permanent	0.010	Reduction of aerial rights to accommodate Electrification (OHLE) Mast/s that will be constructed onto cantilevered foundations fixed to the western face of the existing River Liffey Railway brick arch via duct.	Low	Slight	Slight



Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
D	18834.PA.288(A)	Residential (Apartments)	High	Permanent	0.002	Reduction of aerial rights to accommodate Electrification (OHLE) Mast/s that will be constructed onto cantilevered foundations fixed to the eastern face of the existing River Liffey Railway brick arch via duct.	Low	Slight	Slight
D	18834.PA.3(GU)	Public Infrastructure	Low	Permanent	0.015	Reduction of aerial rights to accommodate Electrification (OHLE) Mast/s that will be constructed onto cantilevered foundations fixed to the western face of the existing River Liffey Railway brick arch via duct.	Low	Not Significant	None
D	18834.PA.3(GV)	Public Infrastructure	Low	Permanent	0.009	Reduction of aerial rights to accommodate Electrification (OHLE) Mast/s that will be constructed onto cantilevered foundations fixed to the eastern face of the existing River Liffey Railway brick arch via duct.	Low	Not Significant	None
D	18834.R.151(B)	Residential (Apartments)	High	Permanent	0.092	Right of Way footpath and cycleway connection between Clancy Quay and Heuston West.	Low	Slight	Slight
D	18834.R.151(D)	Residential (Apartments)	High	Permanent	0.040	Right of Way footpath and cycleway connection between Clancy Quay and Heuston West.	Low	Slight	Slight
D	18834.R.151(F)	Residential (Apartments)	High	Permanent	0.016	Right of Way footpath and cycleway connection between Clancy Quay and Heuston West.	Low	Slight	Slight
D	18834.S.3(DE)	Public Infrastructure (Road)	Low	Permanent	0.040	Retaining Wall Anchors	Low	Slight	Slight

Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
D	18834.S.3(GL)	Public Infrastructure (Road)	Low	Permanent	0.007	Retaining Wall Anchors	Low	Slight	Slight
D	18834.T.1(BL)	Public Infrastructure (Road)	Low	Temporary	0.007	The existing parapet on the bridge will be raised to provide a minimum height of 1.8m.	Very low	Imperceptible	None
D	18834.T.151(A)	Residential (Apartments)	High	Temporary	0.092	Right of Way footpath and cycleway connection between Clancy Quay and Heuston West.	Low	Slight	Slight
D	18834.T.151(C)	Residential (Apartments)	High	Temporary	0.061	Right of Way footpath and cycleway connection between Clancy Quay and Heuston West.	Low	Slight	Slight
D	18834.T.151(E)	Residential (Apartments)	High	Temporary	0.016	Right of Way footpath and cycleway connection between Clancy Quay and Heuston West.	Low	Slight	Slight
D	18834.T.165(A)	Government/ Public Building or Lands	High	Temporary	0.073	Lowering of Phoenix Park Tunnel base.	Low	Slight	None
D	18834.T.165(B)	Government/ Public Building or Lands	High	Temporary	0.065	Lowering of Phoenix Park Tunnel base	Low	Slight	None
D	18834.T.250(U)	Public Infrastructure (Bridge)	Low	Temporary	0.051	OHLE will need to be connected to the bridge	Very Low	Imperceptible	None
D	18834.T.287(B)	Residential (Apartments)	High	Temporary	0.026	Reduction of aerial rights to accommodate Electrification (OHLE) mast/s that will be constructed onto cantilevered foundations fixed to the western face of the existing River Liffey Railway brick arch via duct.	Low	Not Significant	None
D	18834.T.288(B)	Residential (Apartments)	High	Temporary	0.030	The existing parapet on the track side of the car park ramp	Low	Slight	Slight



Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
						will be raised to provide a minimum height of 1.8m			
D	18834.T.289(B)	Residential (Apartments)	High	Temporary	0.005	Land required for construction of OHLE poles and the running of cables between poles between the Liffey Bridge and Conyngham Road	Low	Slight	Slight
D	18834.T.3(DF)	Public Infrastructure (Road)	Low	Temporary	0.012	Road Works	Very low	Imperceptible	None
D	18834.T.3(DY)	Public Infrastructure (Road)	Low	Temporary	0.186	Road Works	Very low	Imperceptible	None
D	18834.T.3(EB)	Public Infrastructure (Road)	Low	Temporary	0.223	Road Works	Very low	Imperceptible	None
D	18834.T.3(GI)	Public Infrastructure	Low	Temporary	0.002	Temporary land area reduction on southern bank of the Liffey riparian zone to allow for support equipment machinery and personnel to access the area below the proposed new OHLE Masts that are to be fixed to the outer face of the River Liffey Viaduct portion of the bridge.	Very Low	Imperceptible	None
D	18834.T.3(GJ)	Public Infrastructure	Low	Temporary	0.006	Temporary land area reduction on southern bank of the Liffey riparian zone to allow for support equipment machinery and personnel to access the area below the proposed new OHLE Masts that are to be fixed to the	Very Low	Imperceptible	None





Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
						outer face of the River Liffey Viaduct portion of the bridge.			
D	18834.T.3(GK)	Public Infrastructure (Road)	Low	Temporary	0.099	Road Works	Very low	Imperceptible	None
D	18834.T.3(GM)	Public Infrastructure (Road)	Low	Temporary	0.180	Road Works	Very low	Imperceptible	None
D	18834.T.3(GO)	Public Infrastructure (Road)	Low	Temporary	0.122	Road Works	Very low	Imperceptible	None
D	18834.T.3(GP)	Public Infrastructure (Road)	Low	Temporary	0.205	Road Works	Very low	Imperceptible	None
D	18834.T.3(GR)	Public Infrastructure (Road)	Low	Temporary	0.097	Road Works	Very low	Imperceptible	None
D	18834.W.1(AP)	Public Infrastructure (Road)	Low	Right of Way	N/A	Public Right of Way Temporarily Interrupted	Low	Not Significant	None
D	18835.R.165(F)	Government/ Public Building or Lands)	High	Permanent	0.064	Right of Access required for emergency egress stairway for passenger from the tunnel.	Low	Slight	Slight
D	18835.S.165(D)	Government/ Public Building or Lands)	High	Permanent	0.140	Soil Nailing	Low	Slight	Slight
D	18835.S.301(A)	Residential (Apartments)	High	Permanent	0.007	Soil Nailing	Low	Slight	Slight
D	18835.S.395(A)	Residential (Apartments)	High	Permanent	0.007	Soil Nailing	Low	Slight	Slight
D	18835.S.397(A)	Residential (Apartments)	High	Permanent	0.005	Soil Nailing	Low	Slight	Slight



Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
D	18835.S.399(A)	Residential (Apartments)	High	Permanent	0.006	Soil Nailing	Low	Slight	Slight
D	18835.S.404(A)	Residential (Apartments)	High	Permanent	0.004	Soil Nailing	Low	Slight	Slight
D	18835.S.457(A)	Residential (Apartments)	High	Permanent	0.007	Soil Nailing	Low	Slight	Slight
D	18835.S.459(A)	Residential (Apartments)	High	Permanent	0.006	Soil Nailing	Low	Slight	Slight
D	18835.S.459(B)	Residential (Apartments)	High	Permanent	0.006	Soil Nailing	Low	Slight	Slight
D	18835.S.460(A)	Residential (Apartments)	High	Permanent	0.006	Soil Nailing	Low	Slight	Slight
D	18835.S.460(B)	Residential (Apartments)	High	Permanent	0.006	Soil Nailing	Low	Slight	Slight
D	18835.S.461(A)	Residential (Apartments)	High	Permanent	0.007	Soil Nailing	Low	Slight	Slight
D	18835.S.634(A)	Residential (Apartments)	High	Permanent	0.014	Soil Nailing	Low	Slight	Slight
D	18835.S.634(B)	Residential (Apartments)	High	Permanent	0.013	Soil Nailing	Low	Slight	Slight
D	18835.S.654(A)	Residential (Apartments)	High	Permanent	0.006	Soil Nailing	Low	Slight	Slight
D	18835.T.165(E)	Government/ Public Building or Lands	High	Temporary	0.064	Temporary land take for construction of emergency tunnel egress point. Breaking through existing boundary wall between An Garda Síochána Headquarters lands and the railway corridor above Phoenix Park Tunnel northern entrance.	Low	Slight	None



Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
D	18835.T.250 (AA)	Public Infrastructure (Bridge)	Low	Temporary	0.014	OHLE will need to be connected to Conyngham Road Bridge (OBO2 )	Very Low	Imperceptible	None
D	18836.S.1(CD)	Public Infrastructure (Electrical)	Low	Permanent	0.007	Soil Nailing	Low	Not significant	None
D	18836.S.166(A)	Residential	High	Permanent	0.009	Soil Nailing	Low	Slight	Slight
D	18836.S.167(A)	Residential	High	Permanent	0.019	Soil Nailing	Low	Slight	Slight
D	18836.S.168(A)	Residential	High	Permanent	0.007	Soil Nailing	Low	Slight	Slight
D	18836.S.169(A)	Residential	High	Permanent	0.005	Soil Nailing	Low	Slight	Slight
D	18836.S.170(A)	Residential	High	Permanent	0.004	Soil Nailing	Low	Slight	Slight
D	18836.S.171(A)	Residential	High	Permanent	0.004	Soil Nailing	Low	Slight	Slight
D	18836.S.172(A)	Residential	High	Permanent	0.004	Soil Nailing	Low	Slight	Slight
D	18836.S.173(A)	Residential	High	Permanent	0.004	Soil Nailing	Low	Slight	Slight
D	18836.S.174(A)	Residential	High	Permanent	0.053	Soil Nailing	Low	Slight	Slight
D	18836.S.176(A)	Public Infrastructure (Road)	Low	Permanent	0.007	Soil Nailing	Low	Not Significant	None
D	18836.S.177(A)	Residential	High	Permanent	0.008	Soil Nailing	Low	Slight	Slight
D	18836.S.401(A)	Residential (Apartments)	High	Permanent	0.053	Soil Nailing	Low	Slight	Slight



Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
D	18836.S.402(A)	Residential	High	Permanent	0.004	Soil Nailing	Low	Slight	Slight
D	18836.S.403(A)	Residential	High	Permanent	0.017	Soil Nailing	Low	Slight	Slight
D	18836.S.405(A)	Residential	High	Permanent	0.011	Soil Nailing	Low	Slight	Slight
D	18836.S.406(A)	Residential	High	Permanent	0.009	Soil Nailing	Low	Slight	Slight
D	18836.S.407(A)	Residential	High	Permanent	0.029	Soil Nailing	Low	Slight	Slight
D	18836.S.408(A)	Residential	High	Permanent	0.008	Soil Nailing	Low	Slight	Slight
D	18836.S.409(A)	Residential	High	Permanent	0.065	Soil Nailing	Low	Slight	Slight
D	18836.S.410(A)	Residential	High	Permanent	0.028	Soil Nailing	Low	Slight	Slight
D	18836.S.430(A)	Residential	High	Permanent	0.014	Soil Nailing	Low	Slight	Slight
D	18836.S.430(B)	Residential	High	Permanent	0.012	Soil Nailing	Low	Slight	Slight
D	18836.S.430(C)	Residential	High	Permanent	0.014	Soil Nailing	Low	Slight	Slight
D	18836.S.430(D)	Residential	High	Permanent	0.001	Soil Nailing	Low	Slight	Slight
D	18836.S.430(E)	Residential	High	Permanent	0.010	Soil Nailing	Low	Slight	Slight
D	18836.T.250(AB)	Public Infrastructure (Bridge)	Low	Temporary	0.039	OHLE will need to be connected to Blackhorse Avenue Road Bridge (OBO4 )	Very Low	Imperceptible	None



Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
D	18836.T.250(AC)	Public Infrastructure (Bridge)	Low	Temporary	0.038	OHLE will need to be connected to Cabra Road Bridge (OBO6 )	Very Low	Imperceptible	None
D	18836.T.3(ID)	Public Infrastructure (Road)	Low	Temporary	0.013	Construction of Combined Sewer rising main across the Blackhorse Avenue Bridge serving McKee Barracks.	Very Low	Imperceptible	None
D	18837.S.1(BB)	Community (Cemetery)	High	Permanent	0.005	Soil Nailing	Medium	Significant	Slight
D	18837.S.1(BX)	Residential	High	Permanent	0.003	Soil Nailing	Low	Slight	Slight
D	18837.S.1(BY)	Residential	High	Permanent	0.003	Soil Nailing	Low	Slight	Slight
D	18837.S.184(A)	Residential	High	Permanent	0.004	Soil Nailing	Low	Slight	Slight
D	18837.S.186(A)	Residential	High	Permanent	0.004	Soil Nailing	Low	Slight	Slight
D	18837.S.187(A)	Residential	High	Permanent	0.010	Soil Nailing	Low	Slight	Slight
D	18837.S.188(A)	Residential	High	Permanent	0.004	Soil Nailing	Low	Slight	Slight
D	18837.S.189(A)	Residential	High	Permanent	0.004	Soil Nailing	Low	Slight	Slight
D	18837.S.190(A)	Residential	High	Permanent	0.004	Soil Nailing	Low	Slight	Slight
D	18837.S.191(A)	Residential	High	Permanent	0.005	Soil Nailing	Low	Slight	Slight
D	18837.S.192(A)	Residential	High	Permanent	0.010	Soil Nailing	Low	Slight	Slight
D	18837.S.193(A)	Residential	High	Permanent	0.002	Soil Nailing	Low	Slight	Slight



Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
D	18837.S.194(A)	Residential	High	Permanent	0.004	Soil Nailing	Low	Slight	Slight
D	18837.S.195(A)	Residential	High	Permanent	0.007	Soil Nailing	Low	Slight	Slight
D	18837.S.196(A)	Residential	High	Permanent	0.007	Soil Nailing	Low	Slight	Slight
D	18837.S.197(A)	Residential	High	Permanent	0.012	Soil Nailing	Low	Slight	Slight
D	18837.S.198(A)	Residential	High	Permanent	0.013	Soil Nailing	Low	Slight	Slight
D	18837.S.199(A)	Residential	High	Permanent	0.008	Soil Nailing	Low	Slight	Slight
D	18837.S.200(A)	Residential	High	Permanent	0.007	Soil Nailing	Low	Slight	Slight
D	18837.S.201(A)	Residential	High	Permanent	0.008	Soil Nailing	Low	Slight	Slight
D	18837.S.202(A)	Residential	High	Permanent	0.001	Soil Nailing	Low	Slight	Slight
D	18837.S.205(A)	Residential	High	Permanent	0.006	Soil Nailing	Low	Slight	Slight
D	18837.S.207(A)	Residential	High	Permanent	0.006	Soil Nailing	Low	Slight	Slight
D	18837.S.210(A)	Residential	High	Permanent	0.006	Soil Nailing	Low	Slight	Slight
D	18837.S.211(A)	Residential	High	Permanent	0.006	Soil Nailing	Low	Slight	Slight
D	18837.S.212(A)	Residential	High	Permanent	0.005	Soil Nailing	Low	Slight	Slight
D	18837.S.212(B)	Residential	High	Permanent	0.005	Soil Nailing	Low	Slight	Slight



Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
D	18837.S.212(C)	Residential	High	Permanent	0.006	Soil Nailing	Low	Slight	Slight
D	18837.S.212(D)	Residential	High	Permanent	0.005	Soil Nailing	Low	Slight	Slight
D	18837.S.212(E)	Residential	High	Permanent	0.007	Soil Nailing	Low	Slight	Slight
D	18837.S.212(F)	Residential	High	Permanent	0.011	Soil Nailing	Low	Slight	Slight
D	18837.S.212(G)	Residential	High	Permanent	0.005	Soil Nailing	Low	Slight	Slight
D	18837.S.212(H)	Residential	High	Permanent	0.005	Soil Nailing	Low	Slight	Slight
D	18837.S.212(I)	Residential	High	Permanent	0.005	Soil Nailing	Low	Slight	Slight
D	18837.S.212(J)	Residential	High	Permanent	0.006	Soil Nailing	Low	Slight	Slight
D	18837.S.212(K)	Residential	High	Permanent	0.006	Soil Nailing	Low	Slight	Slight
D	18837.S.212(L)	Residential	High	Permanent	0.005	Soil Nailing	Low	Slight	Slight
D	18837.S.212(M)	Residential	High	Permanent	0.005	Soil Nailing	Low	Slight	Slight
D	18837.S.212(N)	Public Open Space	High	Permanent	0.022	Soil Nailing	Low	Slight	Slight
D	18837.S.213(A)	Residential	High	Permanent	0.005	Soil Nailing	Low	Slight	Slight
D	18837.S.214(A)	Residential	High	Permanent	0.006	Soil Nailing	Low	Slight	Slight
D	18837.S.218(A)	Residential	High	Permanent	0.006	Soil Nailing	Low	Slight	Slight



Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
D	18837.S.221(B)	Residential	High	Permanent	0.006	Soil Nailing	Low	Slight	Slight
D	18837.S.222(A)	Residential	High	Permanent	0.008	Soil Nailing	Low	Slight	Slight
D	18837.S.223(A)	Residential	High	Permanent	0.003	Soil Nailing	Low	Slight	Slight
D	18837.S.224(A)	Residential	High	Permanent	0.003	Soil Nailing	Low	Slight	Slight
D	18837.S.225(A)	Residential	High	Permanent	0.003	Soil Nailing	Low	Slight	Slight
D	18837.S.226(A)	Residential	High	Permanent	0.004	Soil Nailing	Low	Slight	Slight
D	18837.S.227(A)	Residential	High	Permanent	0.004	Soil Nailing	Low	Slight	Slight
D	18837.S.228(A)	Residential	High	Permanent	0.003	Soil Nailing	Low	Slight	Slight
D	18837.S.229(A)	Residential	High	Permanent	0.002	Soil Nailing	Low	Slight	Slight
D	18837.S.231(A)	Residential	High	Permanent	0.006	Soil Nailing	Low	Slight	Slight
D	18837.S.250(AH)	Government/ Public Building or Lands	High	Permanent	0.154	Soil Nailing	Low	Slight	Slight
D	18837.S.250(AI)	Government/ Public Building or Lands	High	Permanent	0.117	Soil Nailing	Low	Slight	Slight
D	18837.S.282(A)	Residential	High	Permanent	0.003	Soil Nailing	Low	Slight	Slight
D	18837.S.283(A)	Residential	High	Permanent	0.006	Soil Nailing	Low	Slight	Slight





Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
D	18837.S.284(A)	Residential	High	Permanent	0.003	Soil Nailing	Low	Slight	Slight
D	18837.S.285(A)	Residential	High	Permanent	0.008	Soil Nailing	Low	Slight	Slight
D	18837.S.286(A)	Commercial/ Industrial	High	Permanent	0.269	Soil Nailing	Low	Slight	Slight
D	18837.S.3(GN)	Residential	High	Permanent	0.004	Soil Nailing	Low	Slight	Slight
D	18837.S.3(HL)	Residential	High	Permanent	0.011	Soil Nailing	Low	Slight	Slight
D	18837.S.3(HM)	Residential	High	Permanent	0.010	Soil Nailing	Low	Slight	Slight
D	18837.S.3(HN)	Residential	High	Permanent	0.006	Soil Nailing	Low	Slight	Slight
D	18837.S.3(HO)	Residential	High	Permanent	0.004	Soil Nailing	Low	Slight	Slight
D	18837.S.3(HP)	Residential	High	Permanent	0.004	Soil Nailing	Low	Slight	Slight
D	18837.S.3(HQ)	Residential	High	Permanent	0.004	Soil Nailing	Low	Slight	Slight
D	18837.S.3(HR)	Residential	High	Permanent	0.004	Soil Nailing	Low	Slight	Slight
D	18837.S.3(HS)	Residential	High	Permanent	0.009	Soil Nailing	Low	Slight	Slight
D	18837.S.3(HT)	Residential	High	Permanent	0.011	Soil Nailing	Low	Slight	Slight
D	18837.S.3(HU)	Residential	High	Permanent	0.004	Soil Nailing	Low	Slight	Slight
D	18837.S.3(HV)	Residential	High	Permanent	0.004	Soil Nailing	Low	Slight	Slight



Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
D	18837.S.3(HW)	Residential	High	Permanent	0.010	Soil Nailing	Low	Slight	Slight
D	18837.S.3(HX)	Residential	High	Permanent	0.012	Soil Nailing	Low	Slight	Slight
D	18837.S.3(HY)	Residential	High	Permanent	0.004	Soil Nailing	Low	Slight	Slight
D	18837.S.3(IF)	Residential	High	Permanent	0.004	Soil Nailing	Low	Slight	Slight
D	18837.S.3(IG)	Residential	High	Permanent	0.004	Soil Nailing	Low	Slight	Slight
D	18837.S.411(A)	Development Lands	High	Permanent	0.155	Soil Nailing	Low	Slight	Slight
D	18837.S.412(A)	Residential	High	Permanent	0.000	Soil Nailing	Low	Slight	Slight
D	18837.S.415(A)	Residential	High	Permanent	0.005	Soil Nailing	Low	Slight	Slight
D	18837.S.416(A)	Residential	High	Permanent	0.002	Soil Nailing	Low	Slight	Slight
D	18837.T.1(AU)	Community (Cemetery)	High	Temporary	0.039	Establish a compound for bridge and associated carpark reconstruction at Glasnevin Cemetery. This will be confined to the car park area.	Medium	Significant	Slight
D	18837.T.1(BW)	Community (Cemetery)	High	Temporary	0.046	Compound & Works Access at Glasnevin Cemetery. This will be confined to the car park area.	Medium	Significant	Slight
D	18837.T.230(D)	Community (Cemetery)	High	Temporary	0.007	During the closure of the road bridge crossing at Glasnevin Cemetery, the approach ramps will also be reconstructed. This	Medium	Significant	Slight



Zone	Property Key	Property Type	Baseline Rating	CPO Type	Area (ha)	Impact Description	Impact Rating	Significance of Impact	Residual Effects
						will be confined to the car park area.			
D	18837.T.230(E)	Community (Cemetery)	High	Temporary	0.024	Establish a compound for bridge and associated carpark reconstruction at Glasnevin Cemetery. This will be confined to the car park area.	Medium	Significant	Slight
D	18837.T.230(F)	Community (Cemetery)	High	Temporary	0.003	Soil Nailing	Medium	Significant	Slight
D	18837.T.250(AD)	Public Infrastructure (Bridge)	Low	Temporary	0.035	OHLE will need to be connected to Faussagh Road Bridge (OBO7 )	Very Low	Imperceptible	None
D	18837.T.250(AF)	Public Infrastructure (Rail Bridge)	Low	Temporary	0.036	OHLE will need to be connected to Maynooth Line Twin Arch (OBO9 )	Very Low	Imperceptible	None
D	18837.W.1(AQ)	Community (Cemetery)	High	Right of Way	0.000	Public Right of Way temporarily Interrupted	Medium	Significant	Slight

### 17.6.3. Summary

Table 17.7 presents a summary of the impacts to the 549 plots impacted by the proposed Project.

**Table 17.7 Summary of Impacts**

Significance of Effects	No. of properties	% of total
Profound	2	<1%
Very Significant	0	0
Significant	21	3.8
Moderate	0	0
Slight	432	78.9
Not Significant	27	4.9
Imperceptible	67	12.2
<b>Total</b>	<b>549</b>	<b>100%</b>

## 17.7. Mitigation Measures

This section describes the measures that when implemented will mitigate the adverse impact on non-agricultural property. At this stage measures such as compensation for land acquisition and disturbance are not considered. These matters will be agreed, with landowners or their representative(s) once approval for the proposed Project has been granted. If agreement is not possible, such compensation will be decided upon by an arbitrator.

Mitigation measures regarding indirect impacts associated with other related environmental topics are presented in those relevant chapters as follows: Chapter 6 Traffic and Transport, Chapter 7 Population, Chapter 12 Air Quality, Chapter 14 Noise and Vibration, Chapter 15 Landscape and Visual, Chapter 18 Material Assets: Utilities and Chapter 23 Human Health.

### 17.7.1. Construction Mitigation

#### 17.7.1.1. Temporary Land-take

Following the completion of relevant construction works, lands temporarily acquired will be reinstated and returned to the owner.

#### 17.7.1.2. Access to Property

Access will be maintained to all affected property as much as possible and if interruption is necessary, it will be pre-notified to the property owner / occupant and it will be restored without unreasonable delay. Traffic management measures will be put in place during construction where temporary or minor diversions are required. These measures are detailed within Volume 2, Chapter 6 Traffic and Transportation of this EIAR.

### 17.7.1.3. Noise and Vibration

Timing of works and noise and vibration limit values are amongst the main measures to mitigate noise impacts on sensitive receptors. These measures are detailed within Volume 2, Chapter 14 Noise and Vibration of this EIAR.

Prior to construction and subject to written agreement with the relevant property owners, property condition surveys will be undertaken in relation to all buildings / structures located within 50m of the extents of the land-take boundary. Effectively and timely communication between the contractor and property owners during the construction phase will reduce undue disturbance due to noise.

### 17.7.1.4. Dust

Dust suppression measures to mitigate generation and spread of dust are detailed within in Volume 2, Chapter 12 Air Quality of this EIAR. Effectively and timely between the contractor and property owners during the construction phase will reduce undue disturbance due to dust.

### 17.7.1.5. Disturbance of Field Drainage

In cases where drainage is impeded during construction and causes obvious difficulty to a particular property owner, temporary measures will be considered on a site-specific basis. This may include allowing waters to drain to less critical areas, so as to minimise the impact.

### 17.7.1.6. Disturbance of Utility Services

Where required, an alternative source of water / electricity will be provided to ensure that disruption is minimised during the construction phase. Further measures relating to utilities are detailed within Volume 2, Chapter 18 Utilities of this EIAR.

### 17.7.1.7. Soil Nailing

For properties that are affected by substratum acquisition the following mitigation measures will be provided:

- A Property Protection Scheme will be established for the proposed Project. As part of the scheme a pre-construction structural and condition survey will be carried out on impacted properties prior to any construction works. A post condition survey will also be carried out after works are completed. This initial survey will be a benchmark against which any deterioration in a property can be measured.
- Where soil nailing / anchors will extend below trees in residential properties, a tree survey will be carried out within those properties prior to construction works to establish the current condition and health of the trees to ensure that they can be preserved and will not be impacted by the works.

## 17.7.2. Operational Mitigation

The following general mitigation measures will be provided:

- Where part of the curtilage of the property is to be permanently acquired, the acquiring authority will hold discussions with the property owner and generally agree to replace boundaries on a

like-for-like basis where possible, subject to safety considerations. Permanent boundary treatment will consist of a boundary that is comprised of one of the following:

- Replacement boundary on a like-for-like basis;
  - Concrete post and wire;
  - Timber post and wire;
  - 2.4m Security Purpose (SP) palisade fencing;
  - Open mesh steel pane for general purposes; and
  - Acoustic barriers.
- Any utility services that are interfered with as a result of the proposed Project will be repaired / replaced without unreasonable delay.
  - The new drainage system will be designed to ensure that there will be no increased risk of flooding as a consequence of the proposed Project.

#### 17.7.2.1. Soil Nailing

For properties that are affected by substratum acquisition the following mitigation measures will be provided for operational phase:

- Iarnród Éireann will prepare a guidance note for property owners regarding any future planning for proposed extensions or changes to a property with substratum works after any substratum soil anchors are installed to ensure any 3rd party construction does not adversely impact on the soil anchors or the retaining wall they support and to ensure clear and timely communication between the parties can be achieved.

### 17.8. Monitoring Measures

No specific monitoring is required.

### 17.9. Residual Effects

The significance of the residual effects on property has been assessed following the implementation of general mitigation measures as outlined in Sections 17.7.1 and 17.7.2. A summary of the residual effects on non-agricultural properties is presented in Table 17.8.

Following mitigation there are 2 properties on which the residual impact is predicted to be profound. These are both commercial properties. There is a residual Significant effect on 14 properties with the majority of over 96% achieving slight impact or less.

**Table 17.8 Summary of Residual Effects**

Significance of Effects	No. of properties	% of total
Profound	2	<1
Significant	14	2.5
Moderate	0	0
Slight	411	75
Not Significant	1	<1
None	121	22
<b>Total</b>	<b>549</b>	<b>100%</b>

## 17.10. Cumulative Effects

The cumulative assessment of relevant plans and projects is undertaken separately in Chapter 26 of this EIAR.

## 17.11. References

EPA (2022) Guidelines on the Information to be Contained in Environmental Impact Assessment Reports. May, 2022

Environmental Protection Agency (EPA) (2015) Environmental Protection Agency Advice Notes for Preparing Environmental Impact Statements.

EPA (2003) Advice Notes on Current Practice (in the preparation of Environmental Impact Statements)

EPA (2002) Guidelines on the Information to Be Contained in Environmental Impact Statements