Appendix A17.1
Arboricultural Impact Assessment

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Tree Protection Signage (Example)

1 Introduction

1.1 Background

Arbor-Care Ltd (Professional Consulting Tree Service) was retained by Arup Consulting Engineers on behalf of the National Transport Authority (NTA) to undertake an Arboricultural Impact Assessment, and a Tree Protection Plan identifying the trees, groups of trees or hedgerows that may be impacted on by the BusConnects Core Bus Corridor. The surveyed trees contained within this report are located within or adjacent to the Belfield / Blackrock to City Centre Core Bus Corridor Scheme (Figure 1.0 below) (hereinafter referred to as "The Proposed Scheme"). The objective of the impact assessment was to identify the areas that contained trees, groups of trees or hedgerows, and to ensure where practicable that these areas would be retained and to identify the trees that are to be removed to facilitate the Proposed Scheme.

The survey was undertaken between the 24th and 25th August 2020. The survey commenced at Montpelier Place and finished Merrion Square, including the Nutley Lane section of the Proposed Scheme.

The below impact assessment report is based on the British standard BS 5837:2012 *Trees in relation to design, demolition and construction-recommendations*. This standard gives recommendations and guidance on the principles to be applied to achieve a satisfactory juxtaposition of trees, including shrubs, hedges and hedgerows, with structures. It sets out to assist those concerned with trees in relation to construction to form balanced judgements. This impact assessment report is accompanied by an inventory of trees and hedgerows on site and a tree protection plan. The Arboricultural Impact Assessment and a tree protection plan was prepared for the Proposed Scheme to identify trees that may be impacted on by the proposed development based on the proposed design.

1.2 Methodology

An initial tree survey and visual condition assessment was undertaken on the 24th and 25th of August 2020. As part of this report and in accordance with BS 5837: 2012 *Trees in relation to design, demolition and construction - recommendations*, only trees with diameters of 75mm or greater were surveyed. Also, in accordance with section 4.4.2.3 of the British standard document, where trees formed obvious groups, these were assessed and recorded as groups. The survey commenced at Montpelier Place and finished Merrion Square, including the Nutley Lane section of the Proposed Scheme.

Section 4.4.2.3 of BS 5837: 2012 states:

Trees growing as groups or woodland should be identified and assessed as such where the arboriculturist determines that this is appropriate.

However, an assessment of individuals within any group should still be undertaken if there is a need to differentiate between them, e.g. in order to highlight significant variation in attributes (including physiological or structural condition).

NOTE: The term "group" is intended to identify trees that form cohesive arboricultural features either aerodynamically (e.g. trees that provide companion shelter), visually (e.g. avenues or screens) or culturally, including for biodiversity (e.g. parkland or wood pasture), in respect of each of the three subcategories.

The survey concentrated primarily on the significant trees/hedgerows and groups located within 20m of any development works which could impact on the tree (this could include excavation, resurfacing, utility installation, new signage/lighting etc) within and adjacent to the Proposed Scheme and has been based on the topographical survey plan provided. The objective of this survey was to gather information regarding the trees along the Proposed Scheme and to assess the impact the Proposed Scheme may have on the trees. Refer to Appendix A for the tree survey schedule.

Trees that are of visual importance to the surrounding area justify special efforts to protect/preserve them, as their loss would have an irremediable adverse impact on the local environment. A trees significance can also be placed depending on the trees age, another variable to imply significance can be the aesthetic merit of the tree based on its unusual size, intrinsic physical features or outstanding appearance or occurring in a unique location or context, and thus provides a special contribution as a landmark or landscape feature.

All above parts of the trees were visually examined from ground level. Tree diameters (DBH) were estimated at 1.5 meters above grade as per standard arboricultural practice. Tree height was measured with the use of a clinometer (where practical). A generalised system was employed to describe the overall health of the trees. The system uses a three-tier rating scale with the following descriptors:

Specimen condition 3-tier rating system

- Poor: 1-30%
- Fair: 31-70%
- Good: 71-100%

2 Soils

On shrinkable clay soil, tree growth can lead to the differential movement of structures as moisture is removed from the soil during the growing season. Soils must be carefully assessed, and any foundations that could be influenced by trees must be installed following the recommendations of National House Building Council (NHBC) Standards *Chapter 4.2: Building Near Trees* (2021) to avoid potential future damage. Where trees which predate existing structures are to be removed, this can result in heave as the soils are re-wet. This should be monitored by a suitably qualified engineer during the construction works.

3 Trees and Risk in the Context of Development

This report is to inform the preliminary design, focusing on the quality and benefits of the trees and is not specifically designed to assess the safety of trees on Site. However, when obvious issues have been identified, recommendations have been included in the Tree Survey Schedule.

3.1 Trees and Wildlife

Full consideration must be given to the presence of species protected under the Wildlife Act (1976 – as amended) and other relevant legislation protected wildlife and habitats, in particular the presence of bats and nesting birds. It is recommended that wherever practicable, significant tree/hedge works take place outside of the typical bird nesting season of March to September.

3.2 Tree Works

Any tree surgery recommendations contained within this report are to be undertaken in accordance with BS3998: 2010 Tree work – Recommendations (BS3998), by suitably qualified and insured contractors. Significant pruning works are best undertaken when trees are dormant or outside periods of high functional activity, to reduce the overall impact on energy available to the tree for growth and processes. In general, the optimum period for works is between November to February and July to August (subject to the presence of protected species) when the tree is less active and better placed to respond to wounding and a reduction in leaf area.

4 Initial Tree Survey Overview

4.1 The Site

The Proposed Scheme consists of two sections, namely:

- The University College Dublin (UCD) Ballsbridge to City Centre section; and
- The Blackrock to Merrion section.

The UCD Ballsbridge to City Centre section commences on Fitzwilliam Street Lower at the junction with Mount Street Upper/Merrion Square South / Merrion Square East. It routes along Fitzwilliam Street Lower, turning onto the R816 Baggot Street Lower and is then routed along Baggot Street Lower, Baggot Street Upper, Pembroke Road, through its junction with Lansdowne Road. It continues onto Pembroke Road, through Ballsbridge Village and Merrion Road to its junction with Nutley Lane. It travels along Nutley Lane from Merrion Road to the Stillorgan Road where it ties in with the existing signalised junction.

The Blackrock to Merrion section commences on the R118 Merrion Road at its junction with Nutley Lane. Buses are proposed to be routed along Rock Road joining the N31 at the Mount Merrion Avenue junction. The proposed scheme terminates just south of the junction of Temple Hill/ Monkstown Road and Stradbrook Road.

The Blackrock to Merrion section connects to the route of the UCD Ballsbridge to City Centre section at the junction of Merrion Road and Nutley Lane, providing a continuous route from Blackrock to the City Centre.

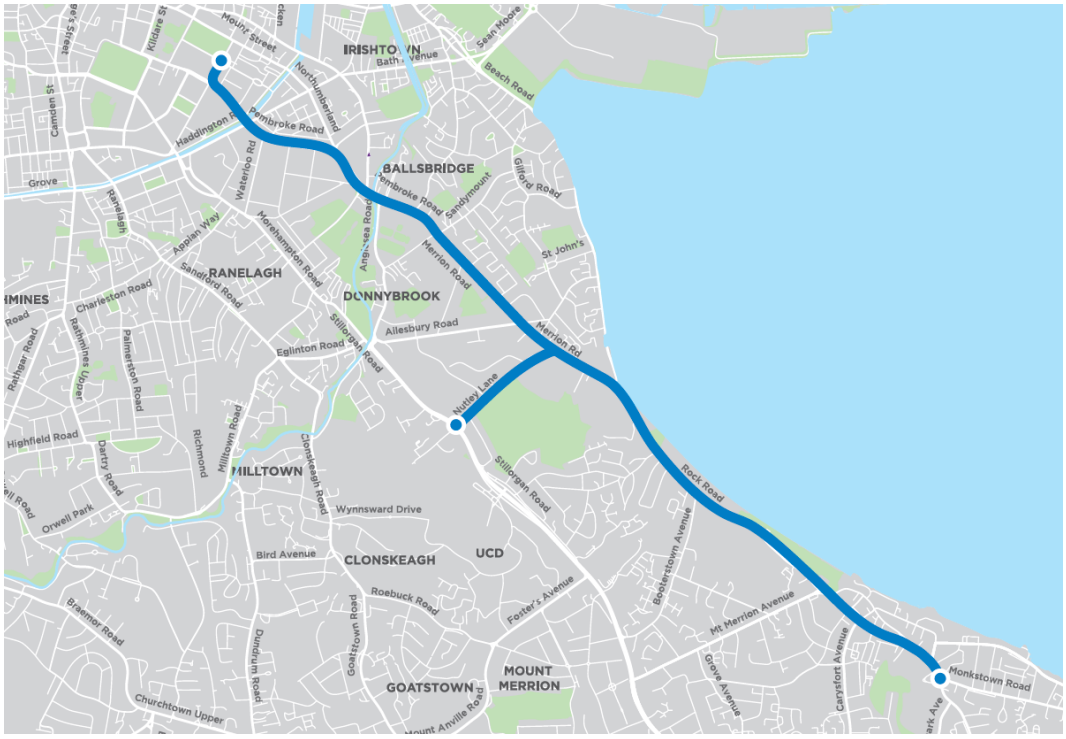

Figure 1: Proposed Route Corridor

4.2 The Trees

A total of 1300 individual trees were surveyed. The surveyed trees include a mixture of semi-mature to large mature trees, planted mainly as street trees, planted in central reservations and directly within footpaths as well as vegetation within private properties.

A breakdown of the Tree Categories on the Proposed Scheme as per BS 5837 2012 is set out in Table 1 below.

Table 1: Breakdown of the Tree Categories on site as per BS 5837 2012

Category	Quantity	Category %
A - Trees of high quality	198	15%
B - Trees of good quality	839	64%
C - Low quality or trees less than 75mm diameter	255	20%
U – Trees to be removed due to poor condition	8	1%
Total Trees surveyed	1300	100%

5 Statutory and Non-Statutory Designations

The route traverses both Dublin City Council and Dún Laoghaire-Rathdown County Council administrative areas, with the boundary between both Local Authorities located in close proximity to the Trimelston Avenue junction. The relevant development plans of both local authorities have been examined.

National Planning Framework

The National Planning Framework (NPF) seeks to ensure that new development is sustainable and underlines the importance of Green Infrastructure, of which trees form an integral part. This encompasses recognition of the importance of trees in relation to the management of air, soil and water quality along with other associated ecosystem services and climate change adaption. The NPF also seeks to achieve the protection and enhancement of landscapes and a net gain in biodiversity.

Dublin City County Development Plan 2016 - 2022

Section 10.5.7 of the Dublin City Development Pan 2016 recognises the benefits of trees in humanising spaces, enhancing the environment and minimising the impacts of climate change.

Appendix 1: Existing Tree Preservation Orders in Dublin City 2016-2020 of the Dublin City Development Plan has been reviewed and it has been concluded that there are no TPO's identified within the study area.

Dún Laoghaire-Rathdown County Development Plan 2016 - 2022

Zoning Map 2 of the Development Plan identifies trees and Woodlands to protect and preserve within the area of the route. Whilst some trees were identified adjacent to the route corridor, these trees are not the subject of Tree Preservation Orders. However, policy OSR7: Trees and Woodland of the Plan states:

"It is Council policy to implement the objectives and policies of the Tree Strategy for the County – 'DLLR TREES 2011-2015' - to ensure that the tree cover in the County is managed and developed to optimise the environmental, climatic and educational benefits which derive from an 'urban forest'. The Council has prepared a Tree Strategy for the County. It includes four overall objectives and six policy statements aimed at promoting the care and protection of existing trees and the planting of more trees in the right places. The Strategy also seeks to promote education and awareness and to engage more pro-actively with communities and other stakeholders. Trees, groups of trees or woodlands which form a significant feature in the landscape or are important in setting the character or ecology of an area should be preserved wherever possible. They make a valuable contribution to the landscape and biodiversity of the County and significant groups of trees worthy of retention have been identified in the Development Plan Maps. The Tree Strategy promotes new planting in the right places to ensure continued regeneration of tree cover across the County and to replace trees that are aging and/or unhealthy or are being lost as a consequence of development pressures. The Council will identify and act on opportunities to provide for new tree planting in conjunction with new urban design/development and infrastructure and will

plan for new planting to add to the overall 'urban forest' and so help improve the built environment. The term 'urban forest' embraces trees grown in, and close, to urban areas, including trees in streets, parks, gardens, on underdeveloped land and those in urban woodlands."

An extract from Zoning Map 2 of the Development Plan is shown in Figure 2.

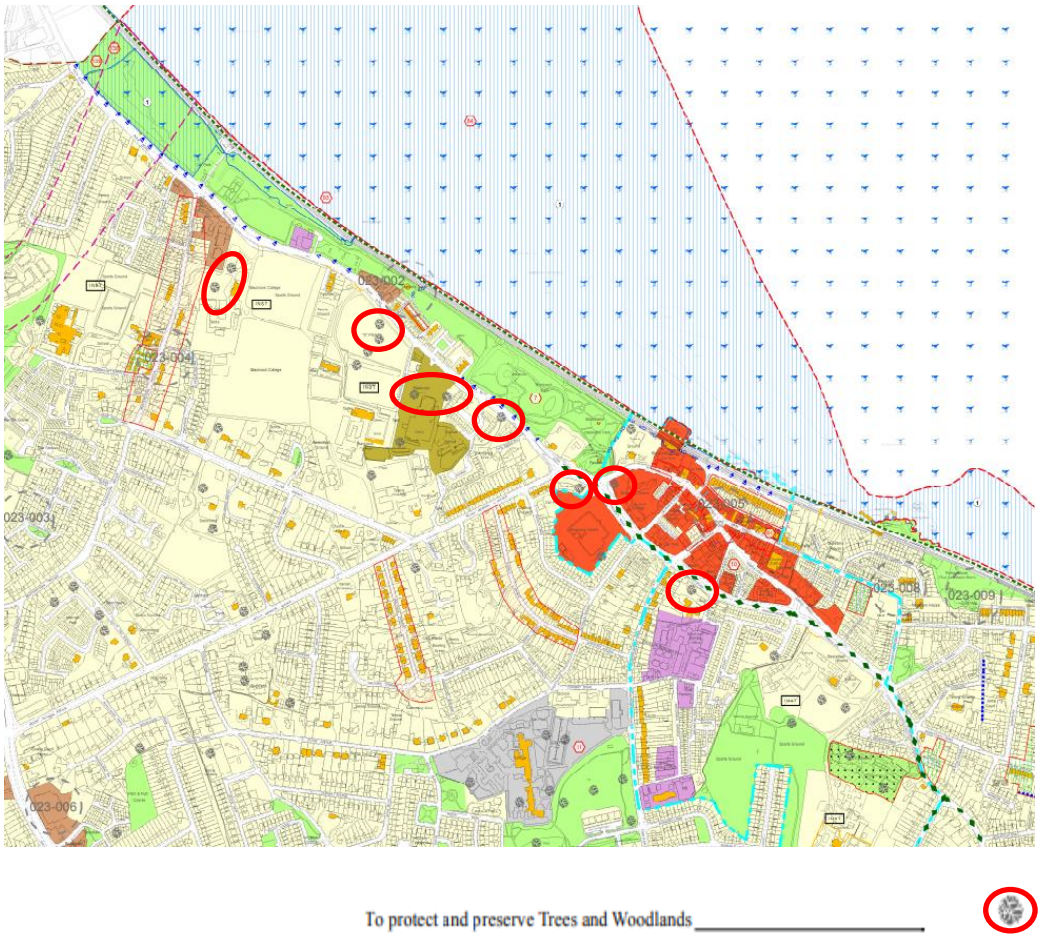

Figure 2: Extract from Map 2 of Dunlaoghaire-Rathdown County Development Plan 2016-2022

6 Arboricultural Impact Assessment

This impact assessment sets out the likely principal direct and indirect impacts of the Proposed Scheme on the trees on or immediately adjacent to the site and suitable mitigation measures to allow for the successful retention of significant trees or to compensate for trees to be removed, where appropriate.

A brief summary of trees to be removed, tree works and incursions related to the proposed development are detailed within the table below.

Table 2: Summary of Removals, incursions and pruning to facilitate the Proposed Development

Impact	Category A	Category B	Category C	Category U
Trees to be removed to facilitate the Proposed Development	37 individual trees, 2 full groups, 2 partial groups	106 individual trees, 4 full groups, 1 partial group	71 individual trees, 2 full groups, 3 features.	8 individual trees
Total	65 features	130 features	105 features	8 features
Trees to be pruned to facilitate the Proposed Development	0	0	0	0
Total	0	0	0	0

6.1 Trees to be Removed

All trees that are destined for removal will be removed prior to any construction or excavation works taking place in the vicinity of any trees to be removed, where practicable. ~

Any tree/hedgerow remedial works that are required will also be undertaken prior to any construction or demolition activity on the site where practicable. All the above shall be carried out by qualified and insured tree surgeons and in accordance with *BS 3998:2010 Tree works Recommendations*.

The latest available information on the general arrangement, landscape general arrangement, drainage, structures, earthworks, lighting and compounds have been reviewed to inform this assessment.

Tree removals assume a reasonable worst case and in practice some trees may be able to be retained subject to on site investigation, such as trial holes, to determine root spread in conjunction with the guidance of an arboriculturist.

Where part of a group of trees is to be removed, an arboriculturist will carry out a site walkover immediately following site clearance work to determine the suitability and stability of retained trees, which may have been impacted by a loss of companion shelter.

New tree planting and associated landscaping works are as detailed in the proposed Landscaping Design Drawings. All the remaining recorded trees are likely to be able to be retained and protected.

6.2 Tree Works

Tree removal works to facilitate the Proposed Scheme are detailed in the Tree Survey Schedule included as Appendix A. Aside from tree removals, no other tree works such as pruning have been identified at this stage. Where new areas of access are proposed close to trees, crown lifting to ensure a clear height of 2.5m for footways, 3m for cycleways and 5.2m for highways is likely to be required.

The requirement for pruning will be addressed following a pre-commencement site walkover to review any trees which could form an obstruction, or which require pruning to facilitate construction works and to prevent inadvertent damage to tree crowns.

This level of pruning will generally not have a significant negative impact on the health or amenity of the trees in question.

No additional works to retained trees are likely to be required. All tree work is to follow the principles of BS3998: 2010 Treework.

Should the requirement for additional tree works be identified, this will be discussed with an arboriculturist on site.

6.3 Incursions within the Root Protection Area or Canopy Spread

A range of works are required within or close to the Root Protection Area (RPA) of retained trees which will require specialist working methods to ensure trees are not subject to a significant negative impact. The RPS is a layout design tool indicating the minimum area around a tree deemed to contain sufficient roots and rooting volume to maintain the tree's viability and where the protection of the roots and soil structure is treated as a priority.

Tree RPAs have been calculated in accordance with BS 5837:2012. The formulas used are set out in Table 3.

Table 3 – RPA Calculation Method

Number of Stems	**Calculation Method**
Single Stem Tree	RPA (m^2) = {stem diameter (m) @ 1.5m x 12}^{2} x 3.142
Tree with more than one stem arising below 1.5m above ground level.	RPA (m^2) = {Basal Dia. (m) x 10}^{2} x 3.142
Note: The Calculated RPA should be capped to 707$m^{2,}$ e.g. which is the equivalent to a circle with a radius of 15m or a square with approximately 26 m sides.	

Given the constraints of the site, incursions into the RPA may be unavoidable therefore the mitigation measures as set out in the method statement are to be adhered to.

The Arboricultural Method Statement included as Appendix B sets out the methodology for specific activities near retained trees. The following general principles as outlined below have been applied:

- The extent of resurfacing has not been fully determined at this stage. Where resurfacing of existing hard surfacing is required, this will be applied over the existing wearing course or on the existing intact subbase following the careful removal of the wearing course.
- New surfacing on existing unsurfaced ground within a significant proportion of an RPA will be achieved using a three-dimensional cellular confinement system (e.g. Cellweb or equivalent), installed without excavation using no dig techniques.
- Where existing verges or footways are to be widened out into the existing carriageway, kerb stones and haunching will be carefully removed by hand to protect adjacent tree roots. The Proposed Scheme will likely result in improved growing conditions for trees where carriageway is replaced by less heavily engineered footway or verge.
- Where the existing road carriageway is to be widened requiring a section of cut into a tree RPA or where new drainage cannot feasibly be adjusted to fully avoid the RPA, tree retention will be feasible where trees are considered on balance to be of an age, condition and species which will tolerate the degree of disturbance required (generally not more than a maximum of 20% of the overall RPA) and that this is preferable to the loss of the tree. The area of excavation nearest the tree will be carried out by hand and roots will be carefully assessed by an arboriculturist and pruned as required. New kerb stones and any haunching will be the narrowest profile feasible and alternative methodologies such as reinforced bridged/lintel sections of kerb can be applied, should significant roots need to be retained and worked around.
- Where a new boundary wall is to be constructed within an RPA, alternative footings utilising low diameter pads or piles will be carefully located to avoid tree roots (via hand dug trial holes) and will support floating beams set at or above ground level, unless trial holes (under arboricultural supervision) determine that limited careful excavation is viable to allow beams to be set into the ground.
- The position of new lamp columns, signs and bus shelter footings can be locally adjusted to avoid significant roots and tree canopies and the lowest diameter footings feasible will be employed (such as screw piles or equivalent). Footings will be hand dug within RPAs.
- All new or diverted utilities will avoid the RPA of retained trees where practicable. Where this is not practicable, they will be installed using trenchless methods or via careful excavation in accordance with BS5837: 2012 and guidance from the National Joint Utilities Group (NJUG) Volume 4.

Utilities to be removed will be cut off and left in situ where feasible to minimise disturbance or will be removed via careful excavation.

6.4 The Future Impact of Retained Trees

Retained trees will require periodic inspection to assess their structural condition and safety. Occasional removal of dead wood or other remedial works to address significant defects or obstructions may be required in areas of frequent access. This is unlikely to be overly onerous and will be the responsibility of the tree owner.

All tree works recommended as a result of the preliminary tree survey of the site, which considered trees in the context of the current use of the site (these works are included as preliminary management recommendations in the Tree Survey Schedule in Appendix A of this report), should be actioned within the recommended timescales.

6.5 Tree Protection

Retained trees are vulnerable to damage from construction activities which can include physical damage to stems and branches following impacts with plant, root severance following trenching, root death or dysfunction following damage to soil structure (caused by the movement of people or machinery on unsurfaced ground) or via the spillage of materials toxic to tree health. The default position is that the RPA and canopy spread of trees to be retained will form an effective Construction Exclusion Zone, secured with robust fencing where no access will be permitted. Where access is necessary within this area, special measures such as the use of ground protection (or retention of existing hard surfacing) and arboricultural supervision are generally required. In some cases, existing boundary walls and fences can be employed as a tree protection barrier where they are robust and sufficient to prevent access or damage.

6.6 Tree Planting

Existing areas of unsurfaced ground must be protected during the demolition and construction phases if they are to be re-used for new plantings. Protection can be achieved using fit for purpose ground protection measures as set out in BS5837:2012 Section 6.2.3 or by creating a fenced exclusion zone. Where protection is not practicable, soil amelioration or replacement works will be required to ensure suitable growing conditions for new trees to fully establish.

Where new trees are to be planted, the minimum planting distances detailed in Annex A, Table A.1 of BS5837:2012 must be adhered to, to prevent direct damage to services and structures from future tree growth. An extract of BS5837:2012 presenting this table is shown in Figure 3.

New tree planting should be implemented in accordance with the guidance set out in *BS8545: 2014 Trees: from nursery to establishment in the landscape – Recommendations*.

Table A.1 **Minimum distance between young trees or new planting and structure to avoid direct damage to a structure from future tree growth**

Type of structure	Minimum distance between young trees or new planting and structure, in metres (m)		
	Stem dia. <300 mm [A)]	Stem dia. 300 mm to 600 mm [A)]	Stem dia. >600 mm [A)]
Buildings and heavily loaded structures	—	0.5	1.2
Lightly loaded structures such as garages, porches etc.	—	0.7	1.5
Services			
<1 m deep	0.5	1.5	3.0
>1 m deep	—	1.0	2.0
Masonry boundary walls	—	1.0	2.0
In-situ concrete paths and drives	0.5	1.0	2.5
Paths and drives with flexible surfaces or paving slabs	0.7	1.5	3.0

[A)] Diameter of stem at 1.5 m above ground level at maturity

Figure 3 – Annex A, Table A.1 of BS5837:2012

7 Conclusions

The arboricultural impact of the proposed development on the site will be moderate. It is proposed to remove 308 individual trees or hedges out of 1299 individual features surveyed to facilitate the Proposed Scheme.

The number of individual trees being retained also includes trees adjacent to the Proposed Scheme i.e. outside the site boundary and temporary land acquisition boundary. These trees are evident on the drawings contained in Appendix C.

A breakdown of the number of trees being removed and retained is shown in Table 4 below.

Table 4: Retained and Removed Tree Quantities

	Retained and Removed Tree Quantities	
Retained trees	Total retained in development (no)	991
Removed trees	Total identified trees lost (no.)	308

Trees are to be removed due to a direct conflict with the Proposed Scheme and where specialist methodologies or design tweaks are not considered practical to facilitate their retention. Trees are also proposed to be retained where careful construction methodologies will allow their retention. Tree loss will be mitigated with a robust and high-quality scheme of new tree planting as detailed in the proposed Landscaping General Arrangement drawings which represents an opportunity to increase the quality, impact, diversity, and resilience of the local tree stock. Soil structure for areas of new tree planting where the ground is currently unsurfaced will either be protected using ground protection or fenced exclusion zones; or the soil structure will be ameliorated or replaced following the completion of construction works on site.

References

British Standards Institution (BSI), BS5837:2012. Trees in relation to design, demolition and construction – Recommendations. BSI

British Standards Institution (BSI), BS3998:2010. Tree work – Recommendations. BSI

British Standards Institution (BSI) BS8545: 2014 Trees: from the nursery to independence in the landscape - Recommendations

National House Building Council (NHBC) Standards, (2020). Chapter 4.2: Building Near Trees

National Joint Utilities Group (NJUG) Volume 4, Issue 2, (2007). NJUG Guidelines for the Planning, Installation and Maintenance of Utility Apparatus in Proximity to Trees.

National Tree Safety Group (NTSG), 2011. Common sense risk management of trees. Forestry Commission.

Project Ireland 2040 National Planning Framework

Dublin City Development Plan 2016-2022

Dún Laoghaire-Rathdown County Development Plan 2016-2022

Appendix A

Tree Survey Schedule

A1 Key to Abbreviations Used in the Survey

Ref No	Specific identification number given to each tree or group. T=Tree/H=Hedge/G=Group/W=Woodland/S=Shrub.	
Tag No.	Tree marked with individual tree tag of this reference number on site.	
Species	Common name followed by botanical name shown in *italics*	
RPA	Root Protection Area (As defined by BS5837)	
Stem diameter	Diameter of main stem measured in millimetres at 1.5 m above ground level. (MS = Multi-stem tree measured in accordance with BS5837 Annex C)	Av / Average: indicates an average representative measured dimension for the group or feature
Spread	The width and breadth of the crown. Estimated on the four compass points in metres.	
Crown clearance	The estimated height (in metres) above ground level of the lowest significant branch attachments.	
#	Estimated dimensions	
*	Indicates estimated position of tree (not indicated on topographical survey).	
P	Privately owned tree (e.g., tree not located in the public highway or adjacent public land).	
Category	Categorisation of the quality and benefits of trees on Site as per Table 1 and 2 of BS5837:2012. 1=Arboricultural quality/value 2=Landscape quality/value 3=Cultural quality/value (including conservation)	
	A=High quality/value 40yrs+ (light green). B=Moderate quality/value 20yrs+ (mid blue) C=Low quality/value min 10yrs/stem diameter less than 150mm (grey). U=Unsuitable for retention (dark red).	
Life stage	**Young (Y):** Newly planted tree 0-10 years. **Semi-Mature (SM):** Tree in the first third of its normal life expectancy for the species (significant potential for future growth in size). **Early Mature (EM):** Tree in the second third of its normal life expectancy for the species (some potential for future growth in size) **Mature (M):** Tree in the final third of its normal life expectancy for the species (having typically reached its approximate ultimate size). **Over Mature (OM):** Tree beyond the normal life expectancy for the species. **Veteran (V):** Tree, which is of interest biologically, aesthetically or culturally because of its condition, size or age.	
Structural condition	**Good:** No significant structural defects **Fair:** Structural defects which can be resolved via remedial works. **Poor:** Structural defects which cannot be resolved via remedial works. **Dead:** Dead.	
Physiological condition	**Good:** Normal vitality including leaf size, bud growth, density of crown and wound wood development. **Fair:** Lower than normal vitality, reduced bud development, reduced crown density, reduced response to wounds. **Poor:** Low vitality, low development and distribution of buds, discoloured leaves, low crown density, little extension growth for the species. **Dead:** Dead **Fair/Good** = Indicates an intermediate condition **Fair – Good** = Indicates a range of conditions (e.g., within a group)	
Preliminary management	Works identified during the tree survey as part of sound arboricultural management, based on the current context of the Site (where relevant	

Ref No	Specific identification number given to each tree or group. T=Tree/H=Hedge/G=Group/W=Woodland/S=Shrub.
recommendations	reference has been made to tree management based on the potential future context of the site).
Works to facilitate the scheme	Tree works identified as necessary to facilitate the Proposed Scheme following a desk top analysis of the proposals in relation to tree constraints.

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0001	6104 x3	Tilia Lime	6	200	2	2	2	2	1.5m North	Good	Represents 3 semi-mature Lime displaying overall good condition	SM	No works required	No Impact	C2	3.0m	20+
T_0002	T2_P	Prunus Avium Cherry	6	240	3	3	3	3	2m North	Good	A mature Cherry displaying overall good condition.	M	No works required	No Impact	C2	3.4m	20+
T_0003	6105 x3	Lime	8	140	1	1	1	1	2m North	Good	Represents 3 semi-mature Lime displaying overall good condition	SM	No works required	Remove to facilitate works	C2	2.4m	20+
T_0004	6106 x3	Sorbus Mountain Ash	8	240	2	2	2	2	2m North	Good	Represents 3 mature Mountain Ash displaying overall good condition	M	No works required	Remove 1st tree to facilitate works	B2	3.4m	20+
T_0005	6107	Lime	8	140	1	1	1	1	2m North	Good	A semi-mature Lime displaying overall good condition	SM	No works required	No Impact	C2	2.4m	20+
T_0006	6108	Pyrus Pear	6	290	2	2	2	2	2m South	Good	A mature Pear tree displaying overall good condition	M	No works required	No Impact	B2	3.9m	20+
T_0007	6109	Quercus Robur Common Oak	20	730	4	4	4	4	2m North	Good	A large mature Common Oak displaying overall good condition	M	Remove	Remove to facilitate works	A2	8.3m	40+

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0008	6110	Aesculus Hippocastanum Horse Chestnut	22	950	4	4	4	4	2m South	Poor	A large mature Horse Chestnut displaying overall poor condition. This tree is in advanced decline and is located in a hazardous location, adjacent to the road on the Nutley Lane, Nutley Road Junction, on Elm Park Golf Course side. Recommend this tree be removed on Health & Safety grounds.	M	Remove	Remove to facilitate works	U	10.5m	10-
T_0009	6111	Acer Pseudoplatanus Sycamore	24	910	3	3	3	3	3m North	Good	A large mature Sycamore displaying overall good condition	M	Remove	Remove to facilitate works	A2		20+
T_0010	6112	Sorbus Aria Whitebeam	12	330	3	3	3	3	3m North	Good	A large mature Whitebeam displaying overall good condition	M	No works required	No Impact	B2	4.3m	20+
T_0011	T3_P	Acer Platanoides Crimson King Norway Maple Crimson King	14	350	2	2	2	2	2m South	Good	A mature Norway Maple Crimson King displaying overall good condition	M	No works required	No Impact	B2	4.5m	20+

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0012	6113	Cherry	6	400	4	2	2	2	3m North	Fair	A mature Cherry displaying overall fair condition. This tree has a significant stem cavity on the southern side at 2m. This tree has also been negatively pruned to accommodate overhead wires. There is also a fungal bracket at the base of this tree.	M	Consider for removal based on its condition	No Impact	C2	5.0m	10
T_0013	6114	Pear	10	380	3	3	3	3	3m North	Good	A large mature Pear tree displaying overall good condition	M	No works required	No Impact	B2	4.8m	20+
T_0014	6115	Whitebeam	8	330	2	2	2	2	2m South	Fair	A mature Whitebeam displaying overall fair condition. This tree is leaning severely to the north and is partially uprooted	M	Consider for removal based on its condition	No Impact	C2	4.3m	10-
T_0015	6116 - 6117 x20	Lime	6	130	2	2	2	2	2m South	Good	Represents a row of 20 early mature Lime displaying overall good condition	EM	No works required	Remove to facilitate works	B2		20+
T_0016	6118 - 6119 x15	Lime	8	280	2	2	2	2	3m North	Good	Represents a row of 15 semi-mature Lime displaying overall good condition	SM	No works required	Remove to facilitate works	B2		20+
T_0017	6120	Acer Platanoides Norway Maple	10	280	2	2	2	2	3m North	Good	A mature Norway Maple displaying overall good condition	M	Remove	Remove to facilitate works	B2		20+
T_0018	6121	Norway Maple	10	280	2	2	2	2	3m North	Good	A mature Norway Maple displaying overall good condition	M	Remove	Remove for works	B2		20+

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0019	Group 1 x11_P	Lime	10	200	2	2	2	2	3m North	Good	Represents a row of 11 semi-mature Lime displaying overall good condition. These trees are located within the grounds of the Merrion Shopping Centre	SM	No works required	No Impact	B2	3.0m	20+
T_0020	6122	Norway Maple	12	280	3	3	3	3	3m North	Good	A mature Norway Maple displaying overall good condition	M	Remove	Remove to facilitate works	B2	3.8m	20+
T_0021	6123	Platanus x hispanica London Plane	20	720	4	4	4	4	4m North	Good	A large mature London Plane displaying overall good condition	M	Remove	Remove to facilitate works	A2	8.2m	40+
T_0022	6124	Lime	20	620	4	4	4	4	4m North	Good	A large mature Lime displaying overall good condition	M	Remove	Remove to facilitate works	A2	7.2m	20+
T_0023	6125	London Plane	22	1110	4	4	4	4	4m North	Good	A large mature London Plane displaying overall good condition	M	Remove	Remove to facilitate works	A2	12.0m	40+
T_0024	6126	Lime	22	720	4	4	4	4	4m North	Good	A mature Lime displaying overall good condition	M	Remove	Remove to facilitate works	A2	8.2m	40+
T_0025	6127*	Sycamore	20	580	4	4	4	4	3m North	Good	A large mature Sycamore displaying overall good condition	M	Remove	Remove to facilitate works	B2	6.8m	40+
T_0026	6128 x4	Prunus Cerasifera Purple Plum	6	280	2	2	2	2	2m North	Good	Represents 4 mature Purple Plum displaying overall good condition	M	No works required	No Impact	C2	3.8m	10+

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0027	6129	Ulmus Elm	14	250	3	3	3	3	3m North	Good	A mature multi-stemmed Elm displaying overall good condition	M	No works required	No Impact	B2	3.5m	20+
T_0028	6130	Elm	8	220	2	2	2	2	2m South	Good	An early mature Elm displaying overall good condition	EM	Remove	Remove to facilitate works	B2	3.2m	20+
T_0029	6131	Lime	5	100	0.5	0.5	0.5	0.5	2m East	Good	A semi-mature Lime displaying overall good condition	SM	Remove	Remove to facilitate works	C2	2.0m	20+
T_0030	6132*	London Plane	20	510	4	4	4	4	4m North	Good	A mature London Plane displaying overall good condition	M	Remove	Remove to facilitate works	A2	6.1m	40+
T_0031	6133	Sycamore	18	420	3	3	3	3	3m North	Good	A mature Sycamore displaying overall good condition	M	No works required	No Impact	B2	5.2m	20+
T_0032	6134	Lime	18	460	2	2	2	2	3m North	Good	A mature Lime displaying overall good condition	M	Remove	Remove to facilitate works	B2	5.6m	20+
T_0033	6135	London Plane	22	660	6	6	6	6	3m North	Good	A large mature London Plane displaying overall good condition	M	No works required	Remove to facilitate works	A2	7.6m	40+
T_0034	6136 x2	Lime	8	200	2	2	2	2	2m North	Good	Represents 2 semi-mature Lime displaying overall good condition	SM	No works required	No Impact	B2	3.0m	20+
T_0035	6137	London Plane	24	720	4	4	4	4	4m North	Good	A large mature London Plane displaying overall good condition	M	No works required	No Impact	A2	8.2m	40+
T_0036	6138	Lime	10	290	2	2	2	2	4m North	Good	An early mature Lime displaying overall good condition	EM	No works required	No Impact	B2	3.9m	20+

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0037	6139	Lime	10	290	2	2	2	2	4m North	Good	An early mature Lime displaying overall good condition	EM	No works required	No Impact	B2	3.9m	20+
T_0038	6140	Lime	24	670	3	3	3	3	3m North	Good	A large mature Lime displaying overall good condition	M	No works required	No Impact	A2	7.7m	20+
T_0039	6141 x2P	Lime	8	270	3	3	3	3	2m North	Good	Represents 2 early mature Lime displaying overall good condition	EM	No works required	No Impact	B2	3.7m	20+
T_0040	Group 2 X8p	Lime	8	240	2	2	2	2	3m North	Good	Represents a row of 8 early mature Lime displaying overall good condition	EM	No works required	No Impact	B2	3.4m	20+
T_0041	6142 - 6143 x5	Lime	10	300	2	2	2	2	2m North	Good	Represents a row of 5 early mature Lime displaying overall good condition	EM	Remove	Remove 4 trees to fascilitate works	B2	4.0m	20+
T_0042	6144	Cherry	10	550	4	4	4	4	4m North	Fair	A large mature Cherry displaying overall fair condition. This tree has been negatively pruned in the upper canopy to accommodate overhead wires and there is also significant surface rooting.	M	No works required	No Impact	C2	6.5m	10+
T_0043	6145	Cherry	10	370	3	3	3	3	3m North	Fair	A large mature Cherry displaying overall fair condition. This tree has been negatively pruned in the upper canopy to accommodate overhead wires and there is also significant surface rooting	M	No works required	No Impact	C2	4.7m	10+

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0044	6146	Malus Domestica Apple tree	6	190	2	2	2	2	2m North	Good	A mature Apple displaying overall good condition	M	No works required	No Impact	C2	2.9m	10+
T_0045	6147_6148 x3	Lime	10	190	2	2	2	2	2m North	Good	Represents a row of 3 early mature Lime displaying overall good condition	EM	No works required	No Impact	B2	2.9m	20+
T_0046	6149	Apple	6	310	2	2	2	2	3m East	Fair	A mature Apple displaying overall fair condition. This tree has been negatively pruned to accommodate overhead wires	M	No works required	No Impact	C2	4.1m	10+
T_0047	6150	Cherry	8	400	3	3	3	3	3m North	Fair	A large mature Cherry displaying overall fair condition. This tree has been negatively pruned to accommodate overhead wires and this tree is leaning very significantly to the north and has significant root surfacing.	M	Consider for removal	No Impact	C2	5.0m	10+
T_0048	6151	Apple	8	250	2	2	2	2	3m North	Good	A mature Apple displaying overall good condition	M	No works required	No Impact	B2	3.5m	20+
T_0049	6152	Whitebeam	5	260	2	2	2	2	3m North	Good	A mature Whitebeam displaying overall good condition	M	No works required	No Impact	B2	3.6m	20+
T_0050	6153	London Plane	20	600	4	4	4	4	5m North	Good	A large mature London Plane displaying overall good condition	M	Remove to facilitate works	Remove to facilitate works	A2	7.0m	40+

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0051	6154	Lime	22	670	4	4	4	4	3m South	Good	A large mature Lime displaying overall good condition	M	Remove to facilitate works	Remove to facilitate works	A2	7.7m	40+
T_0052	6155	Lime	8	290	2	2	2	2	2m North	Good	An early mature Lime displaying overall good condition. This tree is slightly suppressed by a larger Lime located on private property.	EM	Remove to facilitate works	Remove to facilitate works	B2	3.9m	20+
T_0053	6156	Silver Birch	14	240	2	2	2	2	3m North	Good	A mature Silver Birch displaying overall good condition	M	No works required	No Impact	B2	3.4m	20+
T_0054	6157	Lime	18	540	3	3	3	3	3m North	Good	A mature Lime displaying overall good condition	M	No works required	No Impact	B2	6.4m	20+
T_0055	6158	Lime	8	190	2	2	2	2	3m North	Good	An early mature Lime displaying overall good condition	EM	No works required	No Impact	B2	2.9m	20+
T_0056	6159	Lime	20	510	3	3	3	3	3m North	Good	A mature Lime displaying overall good condition	M	No works required	No Impact	B2	6.1m	20+
T_0057	6160	Lime	8	170	1	1	1	1	2m South	Good	An early mature Lime displaying overall good condition	EM	No works required	No Impact	B2	2.7m	20+
T_0058	6161	Carpinus Betulus Hornbeam	12	400	3	3	3	3	3m North	Good	A large mature Hornbeam displaying overall good condition	M	No works required	No Impact	B2	5.0m	20+
T_0059	6162	Hornbeam	12	400	3	3	3	3	3m North	Good	A large mature Hornbeam displaying overall good condition	M	No works required	No Impact	B2	5.0m	20+

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0060	6163	Hornbeam	12	400	3	3	3	3	3m North	Good	A large mature Hornbeam displaying overall good condition	M	No works required	No Impact	B2	5.0m	20+
T_0061	6164	Quercus Oak	4	120	1	1	1	1	2m North	Fair	A semi-mature Oak displaying overall fair condition	SM	No works required	No Impact	C2	2.2m	10+
T_0062	6165	Lime	16	390	3	3	3	3	3m North	Good	A mature Lime displaying overall good condition	M	Remove to facilitate works	Remove to facilitate works	B2	4.9m	20+
T_0063	6166	Lime	20	440	2	2	3	3	2m North	Good	A mature Lime displaying overall good condition	M	Remove to facilitate works	Remove to facilitate works	B2	5.4m	20+
T_0064	6167	Lime	22	570	5	2	3	3	3m North	Good	A large mature Lime displaying overall good condition. There is some root surfacing on this tree that has damaged some of the footpath surrounding the tree.	M	No works required	No Impact	B2	6.7m	20+
T_0065	6168	Ulmus Procera English Elm	16	330	2	2	2	2	2m South	Good	A mature English Elm displaying overall good condition	M	No works required	No Impact	A2	4.3m	40+
T_0066	6169	Lime	24	680	4	4	4	4	3m South	Good	A large mature Lime displaying overall good condition	M	No works required	No Impact	A2	7.8m	40+
T_0067	6170	Lime	10	240	2	2	2	2	3m South	Good	An early mature Lime displaying overall good condition	EM	No works required	No Impact	B2	3.4m	40+
T_0068	6171	London Plane	24	820	4	4	4	4	3m South	Good	A large mature London Plane displaying overall good condition	M	No works required	No Impact	A2	9.2m	40+

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0069	6172	Lime	16	400	2	2	2	2	2m North	Good	A mature Lime displaying overall good condition. There is a broken limb in the upper canopy on the southern side over the footpath, this should be removed.	M	Remove broken limb	No Impact	B2	5.0m	20+
T_0070	T4 x3_P	Cherry Chamaecyparis Lawsoniana Lawson Cypress Norway Maple Crimson King	8	200	0.5	0.5	0.5	0.5	2m North	Good	Represents 3 semi-mature trees in private property. Consists of a Cherry, a Lawson Cypress and a Norway Maple Crimson King displaying overall good condition.	SM	No works required	No Impact	B2	3.0m	20+
T_0071	6173	London Plane	22	900	8	4	4	4	4m South	Good	A large mature London Plane displaying overall good condition	M	Remove to facilitate works	Remove to facilitate works	A2	10.0m	40+
T_0072	6174	Lime	16	470	3	3	3	3	2m South	Good	A mature Lime displaying overall good condition	M	No works required	No Impact	B2	5.7m	20+
T_0073	T5 x2_P	Cedrus Atlantica Blue Atlas Cedar Purple Plum	12	350	2	2	2	2	2m East	Good	Represents 2 mature trees on private property. Consists of a Blue Atlas Cedar and a Purple Plum displaying overall good condition.	M	No works required	No Impact	B2	4.5m	20+

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0074	6175	London Plane	22	870	4	4	4	4	4m South	Good	A large mature London Plane displaying overall good condition	M	Remove to facilitate works	Remove to facilitate works	A2	9.7m	40+
T_0075	T6_P	Purple Plum	4	200	2	2	2	2	2m East	Good	An early mature Purple Plum displaying overall good condition	EM	No works required	No Impact	B2	3.0m	20+
T_0076	6176	Lime	24	630	4	4	4	4	4m South	Good	A large mature Lime displaying overall good condition	M	No works required	No Impact	A2	7.3m	40+
T_0077	T7 x3_P	Lime Norway Maple Hornbeam	8	200	2	2	2	2	1m East	Good	Represents 3 early mature trees in private property. Consisting of a Lime, Norway Maple and a Hornbeam displaying overall good condition	EM	No works required	No Impact	B2	3.0m	20+
T_0078	T8 x3_P	Lime	3	180	1	1	1	1	2m East	Good	Represents a row of 3 semi-mature Lime displaying overall good condition	SM	No works required	No Impact	C2	2.8m	20+
T_0079	T9_P	Arbutus Unedo Killarney Strawberry	8	300	3	3	3	3	3m South	Good	A mature multi-stemmed Killarney Strawberry tree displaying overall good condition	M	No works required	No Impact	A2	4.0m	40+
T_0080	6177	Lime	18	470	4	4	4	4	3m East	Good	A large mature Lime displaying overall good condition	M	No works required	No Impact	B2	5.7m	20+
T_0081	T10_P	Cherry	10	180	1	1	1	1	2m East	Good	A semi-mature Cherry displaying overall good condition	SM	No works required	No Impact	C2	2.8m	20+
T_0082	6178	Lime	18	560	3	3	3	3	3m North	Good	A large mature Lime displaying overall good condition	M	No works required	No Impact	B2	6.6m	20+

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T_0083	6179	Lime	18	460	3	3	3	3	2m North	Fair	A mature Lime displaying overall fair condition. This tree has evidence of decline in the upper canopy.	M	No works required	No Impact	C2	5.6m	10+
T_0084	T11_P	Whitebeam	12	180 circa	2	2	2	2	3m North	Good	A mature multi-stemmed Whitebeam displaying overall good condition	M	No works required	No Impact	B2	2.8m circa	20+
T_0085	6180	Lime	20	640	4	4	4	4	5m South	Good	A large mature Lime displaying overall good condition	M	No works required	No Impact	B2	7.4m	20+
T_0086	T12 x 25_P	Blue Atlas Cedar Cupressus Macrocarpa Monterey Cypress Pittosporum Tenuifolium Pittosporum Cupressus x Leylandii Leyland Cypress	20	400	3	3	3	3	3m North	Good	Represents a row of 25 mature trees on the grounds of New Zealand Official Residence. Consists of Blue Atlas Cedar, Monterey Cypress, Hornbeam hedging, Pittosporum, Purple Plum, Leyland Cypress and a low-lying Privet hedgerow displaying overall good condition. This row goes as far as the Shewsbury Road Junction. These tree provide good screening between the road and the houses	M	No works required	No Impact	B2	5.0m	20+
T_0087	6181	Lime	10	410	3	3	3	3	3m North	Good	A mature Lime displaying overall good condition	M	No works required	Remove to facilitate works	B2	5.1m	20+

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0088	6182	Hornbeam	12	350	2	2	2	2	3m North	Good	A mature Hornbeam displaying overall good condition	M	No works required	No Impact	B2	4.5m	20+
T_0089	6183	Hornbeam	12	350	2	2	2	2	2m North	Good	A mature Hornbeam displaying overall good condition	M	No works required	No Impact	B2	4.5m	20+
T_0090	T13 x 2_P	Araucaria Araucana Monkey Puzzle	14	400	3	3	3	3	5m South	Good	A large mature Monkey Puzzle displaying overall good condition. This is located on the grounds of New Zealand Official Residence	M	No works required	No Impact	A2	5.0m	20+
T_0091	6184	London Plane	24	830	4	4	4	4	5m North	Good	A large mature London Plane displaying overall good condition	M	No works required	No Impact	A2	9.3m	40+
T_0092	T14 x9_P	Norway Maple Taxus Baccata Yew Lime	24	600	4	4	4	4	3m South	Good	Represents a row of 9 mature trees on the grounds of Shrewsbury House. Consists of Norway Maple, understory of Yew hedging and Lime displaying overall good condition	M	No works required	No Impact	A2	7.0m	40+
T_0093	6185	Quercus Cerris Turkey Oak	14	210	2	2	2	2	3m North	Fair	An early mature Turkey Oak displaying overall fair condition. This tree has some broken stems and is showing signs of decline.	EM	Remove to facilitate works	Remove to facilitate works	C2	3.1m	10+
T_0094	T15 x4_P	Lime	18	380	3	3	3	3	2m East	Good	Represents a row of 4 mature Lime displaying overall good condition	M	No works required	No Impact	B2	4.8m	20+
T_0095	6186	Lime	22	580	3	3	3	3	3m North	Good	A mature Lime displaying overall good condition	M	Remove to facilitate works	Remove to facilitate works	B2	6.8m	20+

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0096	6187	Lime	10	190	1	1	1	1	3m North	Good	An early mature Lime displaying overall good condition	EM	Remove to facilitate works	Remove to facilitate works	B2	2.9m	20+
T_0097	6188	Lime	10	190	1	1	1	1	3m North	Good	An early mature Lime displaying overall good condition	EM	Remove to facilitate works	Remove to facilitate works	B2	2.9m	20+
T_0098	6189	Lime	16	540	3	3	3	3	4m North	Good	A large mature Lime displaying overall good condition	M	Remove to facilitate works	Remove to facilitate works	B2	6.4m	20+
T_0099	6190	Lime	16	540	3	3	3	3	4m North	Good	A large mature Lime displaying overall good condition	M	Remove to facilitate works	Remove to facilitate works	B2	6.4m	20+
T_0100	T16 x8_P	Norway Maple Lime	24	600 circa	4	4	4	4	3m North	Good	Represents 8 mature trees contained on the grounds of the British Embassy. Consists of 3 Norway Maple and 5 Lime displaying overall good condition	M	No works required	No Impact	A2	7.0m circa	20+
T_0101	6191	Lime	16	450	3	3	3	3	3m North	Good	A large mature Lime displaying overall good condition	M	Remove to facilitate works	Remove to facilitate works	B2	5.5m	20+
T_0102	6192	London Plane	20	630	4	4	4	4	3m North	Good	A large mature London Plane displaying overall good condition	M	Remove to facilitate works	Remove to facilitate works	A2	7.3m	40+
T_0103	6193	Lime	18	520	3	3	3	3	3m North	Good	A mature Lime displaying overall good condition	M	No works required	No Impact	B2	6.2m	20+

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0104	6194	London Plane	20	630	4	4	4	4	3m North	Good	A large mature London Plane displaying overall good condition	M	No works required	No Impact	A2	7.3m	40+
T_0105	T17_P	Horse Chestnut	24	700	3	3	3	3	3m North	Good	A large mature Horse Chestnut displaying overall good condition. This tree is located on the grounds of the Clayton Hotel.	M	No works required	No Impact	A2	8.0m	40+
T_0106	6195	Lime	24	450	3	3	3	3	3m North	Good	A mature Lime displaying overall good condition	M	No works required	No Impact	A2	5.5m	40+
T_0107	6196	London Plane	24	1000	4	4	4	4	4m North	Good	A large mature London Plane displaying overall good condition	M	Remove to facilitate works	Remove to facilitate works	A2	11.0m	40+
T_0108	T18 x2_P	Lime Norway Maple	24	600	3	3	3	3	3m North	Good	Represents 2 large mature trees within the grounds of the Clayton Hotel. 1 Lime and 1 Norway Maple displaying overall good condition	M	No works required	No Impact	A2	7.0m	20+
T_0109	6197	Lime	18	390	2	2	2	2	3m North	Good	A mature Lime displaying overall good condition	M	No works required	No Impact	B2	4.9m	20+
T_0110	T19_P	Lime	24	700	3	3	3	3	3m North	Good	A large mature Lime displaying overall good condition. This tree is located on the grounds of the Clayton Hotel	M	No works required	No Impact	A2	8.0m	40+
T_0111	T20_P	Cherry	3	250	2	2	2	2	1m North	Good	An early mature Cherry displaying overall good condition	EM	No works required	No Impact	C2	3.5m	20+
T_0112	6198	London Plane	24	940	6	6	6	6	3m North	Good	A large mature London Plane displaying overall good condition	M	No works required	No Impact	A2	10.4m	40+

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0113	6199	Lime	24	770	3	3	3	3	3m North	Good	A large mature Lime displaying overall good condition	M	No works required	No Impact	A2	8.7m	40+
T_0114	6200	Lime	24	770	3	3	3	3	3m North	Good	A large mature Lime displaying overall good condition	M	No works required	No Impact	A2	8.7m	40+
T_0115	T21 x3_P	Norway Maple	10	200	3	3	3	3	2m North	Good	Represents 3 mature Norway Maple displaying overall good condition	M	No works required	No Impact	B2	3.0m circa	20+
T_0116	6201	Lime	8	330	2	2	2	2	2m North	Good	An early mature Lime displaying overall good condition	EM	Remove to facilitate works	Remove to facilitate works	B2	4.3m	20+
T_0117	T22 x7_P	Lawson Cypress Norway Maple Crataegus Monogyna Hawthorn	14	250	2	2	2	2	2m North	Good	Represents a group of 7 mature trees located between 98 and 100 Merrion Road. Consists of Lawson Cypress, Norway Maple and some Hawthorn displaying overall good condition. These trees provide good screening between the two properties.	M	No works required	No Impact	B2	3.5m	20+
T_0118	6202	Lime	6	160	1	1	1	1	2m East	Good	A semi-mature Lime displaying overall good condition	SM	No works required	No Impact	C2	2.6m	20+
T_0119	T23_P	Betula Jacquemonti Jacquemonti Birch	10	100	2	2	2	2	1m North	Good	A semi-mature Jacquemonti Birch displaying overall good condition	SM	No works required	No Impact	B2	2.0m	20+

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0120	6203	Lime	3	110	0.5	0.5	0.5	0.5	2m North	Fair	A semi-mature Lime displaying overall fair condition. This tree is leaning significantly to the south	SM	No works required	Remove to facilitate works	C2	2.1m	10+
T_0121	T24_P	Lime	14	300	2	2	2	2	2m East	Good	Represents a row of mature Lime displaying overall good condition. These trees are located between 102 and 104 Merrion Road. These trees provide good screening between the two properties.	M	No works required	No impact	B2	4.0m	20+
T_0122	6204	Ulmus Procera English Elm	14	430	2	2	2	2	2m North	Good	A mature English Elm displaying overall good condition	M	Remove to facilitate works	Remove to facilitate works	B2	5.3m	20+
T_0123	T25 x3_P	Fagus Sylvatica Copper Beech	20	400	3	3	3	3	2m North	Good	Represents 3 mature Copper Beech displaying overall good condition. These tree are located in the grounds of 108 and 110 Merrion Road	M	No works required	No Impact	B2	5.0m	20+
T_0124	T26 x2_P	Lime	14	380	2	2	2	2	3m East	Good	Represents 2 mature Lime displaying overall good condition. These trees are located in 112 Merrion Road.	M	No works required	No Impact	B2	4.8m	20+
T_0125	T27 x8_P	Lime	16	300	2	2	2	2	3m North	Good	Represents a group of 8 mature Lime displaying overall good condition.	M	No works required	No Impact	B2	4.0m	20+
T_0126	6205	Lime	24	720	3	3	3	3	4m North	Good	A mature Lime displaying overall good condition	M	No works required	No Impact	A2	8.2m	40+
T_0127	6206	Lime	8	230	2	2	2	2	3m North	Good	An early mature Lime displaying overall good condition	EM	No works required	No Impact	C2	3.3m	10+

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0128	6207	Lime	8	230	2	2	2	2	3m North	Good	An early mature Lime displaying overall good condition	EM	No works required	No Impact	C2	3.3m	10+
T_0129	6208	Lime	24	720	3	3	3	3	4m North	Good	A mature Lime displaying overall good condition	M	No works required	No Impact	A2	8.2m	40+
T_0130	T28_P	Ulmus Glabra Witch Elm	12	240	2	2	2	2	3m North	Good	A mature multi-stemmed Witch Elm displaying overall good condition	M	No works required	No Impact	B2	3.4m	20+
T_0131	6209	London Plane	22	730	3	3	3	3	4m North	Good	A large mature London Plane displaying overall good condition	M	Remove to facilitate works	Remove to facilitate works	A2	8.3m	40+
T_0132	T29 x3_P	Lime Monterey Cypress	24	650	3	3	3	3	4m East	Good	Represents 2 large mature Lime and 1 large mature Monterey Cypress displaying overall good condition. These trees are located within the grounds of the Chinese Embassy	M	No works required	No Impact	B2	7.5m	20+
T_0133	6210	Lime	8	210	2	2	2	2	3m North	Good	A semi-mature lime in good condition		Remove to facilitate works	Remove to facilitate works	B2	3.1m	20+
T_0134	T30 x4_P	Lime	24	650	3	3	3	3	4m East	Good	Represents 4 mature Lime displaying overall good condition	M	No works required	No Impact	B2	7.5m	20+
T_0135	T31_P	Lime	8	210	2	2	2	2	2m North	Fair	A semi- mature Lime displaying overall fair condition. This tree has been heavily pruned. This tree is located in 122 Merrion Road.	M	No works required	No Impact	C2	3.1m	10+

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0136	T32_P	Lime	12	380	3	3	3	3	2m East	Good	A mature Lime displaying overall good condition. This tree is located in 126 Merrion Road.	M	No works required	No Impact	B2	4.8m	20+
T_0137	6211	Turkey Oak	10	190	2	2	2	2	2m North	Good	An early mature Turkey Oak displaying overall good condition	EM	Remove to facilitate works	Remove to facilitate works	B2	2.9m	20+
T_0138	T33 x2_P	Lime	18	380	3	3	3	3	3m North	Good	Represents 2 mature Lime displaying overall good condition. These trees are location in house called 'The Limes' on Merrion Road.	M	No works required	No Impact	B2	4.8m	20+
T_0139	T34_P	Horse Chestnut	18	400	3	3	3	3	2m North	Good	Represents a row of mature Horse Chestnut displaying overall good condition	M	No works required	No Impact	B2	5.0m	20+
T_0140	T35_P	Laurus Nobilis Bay Hedge	4	200	1	1	1	1	1m North	Good	Represents a row of mature Bay Hedging displaying overall good condition	M	No works required	No Impact	B2	3.0m	10+
T_0141	6212	Lime	24	700	4	4	4	4	3m North	Good	A large mature Lime displaying overall good condition	M	Remove to facilitate works	Remove to facilitate works	A2		40+
T_0142	6213	London Plane	22	810	3	3	3	3	4m North	Good	A large mature London Plane displaying overall good condition	M	Remove to facilitate works	Remove to facilitate works	A2	9.1m	40+
T_0143	T36 x4_P	Lawson Cypress	16	320	2	2	2	2	1m East	Good	Represents a row of 4 mature Lawson Cypress displaying overall good condition. These trees provide good screening for the house	M	No works required	No Impact	B2		20+

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0144	T37_P	Lime	24	800	4	4	4	4	3m East	Good	A large mature Lime displaying overall good condition. This tree has been heavily pruned. It is located at 140 Merrion Road	M	No works required	No Impact	B2	9.0m	20+
T_0145	T38 x2_P	Pinus Nigra Austrian Pine	20	500	3	3	3	3	6m North	Good	Represents 2 large mature Austrian Pine displaying overall good condition.	M	No works required	No Impact	A2	6m	40+
T_0146	6214	Lime	12	580	3	3	3	3	2m North	Good	A large mature Lime displaying overall good condition	M	No works required	No Impact	B2	6.8m	20+
T_0147	T39_P	Fraxinus Ash	26	600	3	3	3	3	5m North	Good	A large mature Ash displaying overall good condition	M	No works required	No Impact	B2	7.0m	20+
T_0148	6215	Betula Birch	16	210	2	2	2	2	3m East	Good	A mature Birch displaying overall good condition	M	No works required	No Impact	B2	3.1m	20+
T_0149	6216	Lime	24	860	3	3	3	3	6m North	Good	A large mature Lime displaying overall good condition	M	No works required	No Impact	A2	9.6m	40+

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0150	T40 x2_P	Purple Plum Sycamore	16	500	3	3	3	3	3m East	Good	Represents 2 mature trees on private property. Consists of a Purple Plum and a variegated Sycamore displaying overall good condition. These trees are located within the grounds of a college.	M	No works required	No Impact	B2	6.0m	20+
T_0151	6217	Turkey Oak	14	340	2	2	2	2	3m North	Good	A mature Turkey Oak displaying overall good condition.	M	Remove to facilitate works	Remove to facilitate works	B2	4.4m	40+
T_0152	6218	Turkey Oak	14	340	2	2	2	2	3m North	Good	A mature Turkey Oak displaying overall good condition	M	No works required	Remove to facilitate works	B2	4.4m	40+
T_0153	T41_P	Silver Birch	14	240	2	2	2	2	3m North	Good	A mature Silver Birch displaying overall good condition. This tree is located within the grounds of the R.D.S.	M	No works required	No Impact	B2	3.4m	20+
T_0154	6219	Turkey Oak	14	340	2	2	2	2	3m North	Good	A mature Turkey Oak displaying overall good condition	M	No works required	Remove to facilitate works n	B2	4.4m	40+
T_0155	6220	Common Oak	16	380	3	3	3	3	3m South	Good	A mature Common Oak displaying overall good condition	M	No works required	Remove to facilitate works	B2	4.8m	20+
T_0156	6221	Common Oak	12	230	2	2	2	2	4m North	Good	A mature Common Oak displaying overall good condition	M	No works required	Remove to facilitate works	B2	3.3m	20+

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T_0157	T42 x4_P	Pittosporum Norway Maple Crimson King Hornbeam Ilex Holly	12	350	2	2	2	2	1m North	Good	Represents 4 mature trees located within the grounds of the R.D.S. Consists of Pittosporum, Norway Maple Crimson King, Hornbeam and a Holly displaying overall good condition	M	No works required	No Impact	B2	4.5m	20+
T_0158	T43 x8_P	Holly Norway Maple Pittosporum Silver Birch	12	300	3	3	3	3	2m North	Good	Represents a row of 8 mature mixed trees consisting of Holly, Norway Maple, Pittosporum and Silver Birch displaying overall good condition. These trees are located along the boundary of the grounds within the R.D.S.	M	No works required	No Impact	B2	4.0m	20+
T_0159	6222	Common Oak	8	230	1	1	1	1	2m North	Fair	A mature Common Oak displaying overall fair condition. This tree has been slightly suppressed.	M	Remove facilitate works	Remove facilitate works	C2	3.3m	20+
T_0160	6223	Oak	12	230	2	2	2	2	3m North	Good	An early mature Oak displaying overall good condition	EM	Remove facilitate works	Remove to facilitate works	B2	3.3m	20+
T_0161	6224	Oak	10	250	2	2	2	2	3m North	Fair	An early mature Oak displaying overall fair condition. This tree is showing evidence of decline	EM	Remove facilitate works	Remove to facilitate works	C2	3.5m	10+
T_0162	T44 x6_P	Lime Hornbeam	8	200	2	2	2	2	1m North	Good	Represents 6 trees consisting of 1 early mature Lime and 5 semi-mature Hornbeam displaying overall good condition. These trees are located on the grounds of the Inter-Continental Hotel.	EM & SM	No works required	No Impact	B2	3.0m	20+

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0163	6225	Common Oak	12	290	3	3	3	3	3m North	Good	A mature Common Oak displaying overall good condition	M	No works required	Remove to facilitate works	B2	3.9m	20+
T_0164	6226	Common Oak	3	120	1	1	1	1	2m East	Fair	A semi-mature Common Oak displaying overall fair condition	SM	No works required	No Impact	C2	2.2m	10+
T_0165	T45_P	Cherry	12	450	3	3	3	3	2m North	Fair	A large mature Cherry displaying overall fair condition. This tree has been heavily pruned. It is located on the grounds of the Inter-Continental Hotel.	M	No works required	No Impact	C2	5.5m	10+
T_0166	6227	Turkey Oak	16	330	3	3	3	3	3m East	Good	A mature Turkey Oak displaying overall good condition	M	No works required	No Impact	B2	4.3m	20+
T_0167	T46 x2_P	Lime	10	200	2	2	2	2	2m East	Good	Represents 2 early mature Lime displaying overall good condition. These trees are located in the grounds of the Inter-Continental Hotel	EM	No works required	No Impact	B2	3.0m	20+
T_0168	T47 x5_P	Hornbeam	8	200	2	2	2	2	1m North	Good	Represents a row of 5 early mature Hornbeam displaying overall good condition	EM	No works required	No Impact	B2	3.0m	20+
T_0169	6228	Turkey Oak	16	390	2	2	2	2	4m East	Good	A mature Turkey Oak displaying overall good condition	M	No works required	No Impact	B2	4.9m	20+
T_0170	6229	Common Oak	10	230	2	2	2	2	2m North	Fair	A mature Common Oak displaying overall fair condition. This tree is showing evidence of decline	M	No works required	No Impact	C2	3.3m	10+
T_0171	6230	Lime	24	710	4	4	4	4	4m East	Good	A large mature Lime displaying overall good condition	M	No works required	No Impact	A2	8.1m	40+

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0172	6231	Common Oak	4	190	2	2	2	2	2m North	Fair	A semi-mature Common Oak displaying overall fair condition. This tree is very suppressed and is struggling in its planted location	SM	No works required	Remove to facilitate works	C2	2.9m	10+
T_0173	T48_P	Purple Plum	6	380	3	3	3	3	3m East	Good	A mature Purple Plum displaying overall good condition	M	No works required	No Impact	C2	4.8m	10+
T_0174	T49_P	Copper Beech	12	320	3	3	3	3	3m North	Good	A mature Copper Beech displaying overall good condition	M	No works required	No Impact	B2	4.2m	20+
T_0175	T50_P	Cherry	12	270	3	3	3	3	2m East	Good	A mature multi-stemmed Cherry displaying overall good condition	M	No works required	No Impact	B2	3.7m	20+
T_0176	6232	Hornbeam	10	230	1	1	1	1	1m North	Fair	An early mature Hornbeam displaying overall fair condition. The lower stems have been negatively pruned and there is significant lower stem wounds on this tree.	EM	No works required	No Impact	C2	3.3m	10+
T_0177	T51_P	Copper Beech	10	650	2	2	2	2	2m East	Good	A mature Copper Beech displaying overall good condition	M	No works required	No Impact	B2	7.5m	20+
T_0178	T52_P	Cotoneaster Frigdus Cotoneaster	3	200	1	1	1	1	1m East	Fair	Represents a group of mature multi-stemmed Cotoneaster displaying overall fair condition.	M	No works required	No Impact	C2	3.0m	10+
T_0179	6233	Norway Maple	6	310	0.5	0.5	0.5	0.5	3m North	Fair	A mature Norway Maple displaying overall fair condition. This tree has been negatively pruned	M	No works required	No Impact	C2	4.1m	10+

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0180	6234	Norway Maple Crimson King	14	420	2	2	2	2	3m North	Good	A mature Norway Maple Crimson King displaying overall good condition	M	No works required	No Impact	B2	5.2m	20+
T_0181	Group 3 x10_P	Lime	14	300	2	2	2	2	2m North	Good	Represents a group of 10 mature Lime displaying overall good condition. These are located at the junction of Serpentine Avenue and Merrion Road inside a current live development site.	M	No works required	No Impact	B2	4.0m	20+
T_0182	T53 x3_P	Quercus Ilex Holm Oak	18	350	4	4	4	4	3m East	Good	Represents 3 large mature Holm Oak displaying overall good condition. These trees are located within the construction site.	M	No works required	No Impact	A2	4.5m	40+
T_0183	T54 x4_P	Lime	14	300	2	2	2	2	2m North	Good	Represents a row of 4 mature Lime displaying overall good condition. These are located at the junction of Serpentine Avenue and Merrion Road inside the construction site.	M	No works required	No Impact	B2	4.0m	20+
T_0184	6235	Common Oak	20	760	4	4	4	4	3m North	Good	A large mature Common Oak displaying overall good condition	M	No works required	Remove to facilitate works	A2	8.6m	40+
T_0185	6236	Norway Maple	14	410	3	3	3	3	4m North	Good	A mature Norway Maple displaying overall good condition	M	No works required	Remove to facilitate works	B2	5.1m	20+
T_0186	Group 4 x10_P	Lime	14	300	2	2	2	2	2m North	Good	Represents a row of 10 mature Lime displaying overall good condition. These are located within the construction site	M	No works required	No Impact	B2	4.0m	20+

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0187	6237	Norway Maple	14	400	3	3	3	3	4m North	Good	A large mature Norway Maple displaying overall good condition	M	No works required	Remove to facilitate works	B2	5.0m	20+
T_0188	6238	Hornbeam	12	340	2	2	2	2	3m North	Good	A mature Hornbeam displaying overall good condition	M	No works required	Remove to facilitate works	B2	4.4m	20+
T_0189	Group 5 x5_P	Lime	12		2	2	2	2	2m East	Good	Represents a group of 5 early mature Lime displaying overall good condition. These trees are located within the construction site.	EM	No works required	No Impact	B2		20+
T_0190	6239 x5	Silver Birch	14	290	2	2	2	2	3m East	Good	Represents 5 mature Silver Birch displaying overall good condition. Two of these trees have steel cages around them. Recommend the steel cages be removed.	M	Remove the steel cages	2 to be removed to facilitate works	B2	3.9m	20+
T_0191	6240 x12	Silver Birch	8	240	1	1	1	1	2m East	Good	Represents 12 semi-mature Silver Birch displaying overall good condition.	SM	Remove 3	3 to be removed to facilitate works	B2	3.4m	20+
T_0192	6241 x3	Silver Birch	16	300	2	2	2	2	3m East	Good	Represents 3 mature Silver Birch displaying overall good condition	M	No works required	No Impact	B2	4.0m	20+
T_0193	6242	London Plane	22	600	4	4	4	4	2m North	Good	A large mature London Plane displaying overall good condition	M	No works required	No Impact	A2	7.0m	40+
T_0194	6243	Poplus Nigra Black Poplar	24	800	6	6	6	6	4m East	Fair	A large mature Black Poplar displaying overall fair condition. This tree has undergone some stem damage in the upper canopy	M	No works required	No Impact	C2	9.0m	10+

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0195	6244	Black Poplar	24	800	6	6	6	6	4m East	Fair	A large mature Black Poplar displaying overall fair condition. This tree has undergone some stem damage in the upper canopy	M	No works required	No Impact	C2	9.0m	10+
T_0196	6245	Sycamore	16	350	3	3	3	3	3m North	Good	A mature multi-stemmed Sycamore displaying overall good condition	M	No works required	No Impact	B2	4.5m	20+
T_0197	6246	Black Poplar	24	800	6	6	6	6	4m East	Fair	A large mature co-dominant Black Poplar displaying overall fair condition. This tree has undergone some stem damage in the upper canopy	M	No works required	No Impact	C2	9.0m	10+
T_0198	6247	London Plane	20	820	4	4	4	4	4m North	Good	A large mature London Plane displaying overall good condition	M	No works required	No Impact	A2	9.2m	40+
T_0199	Group 6 x11	Sycamore Purple Plum Austrian Pine Norway Maple Silver Birch Holly	20	350	4	4	4	4	3m North	Good	Represents a group of 11 large mature trees with an understory of various shrubs displaying overall good condition. These are located in a small parklet adjacent to Rollys Bistro just at the junction of Herbert Park Road and Merrion Road.	M	No works required	6 trees to be removed to facilitate works	A2	4.5m	40+
T_0200	6248	Turkey Oak	18	460	3	3	3	3	4m North	Good	A large mature Turkey Oak displaying overall good condition	M	No works required	No Impact	A2	5.6m	40+

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0201	Group 7 x8	Norway Maple Austrian Pine Ash	20	350	4	4	4	4	3m North	Good	Represents a group of 8 large mature trees with an understory of various shrubs displaying overall good condition. These trees are located at the junction of Herbert Park Road and Merrion Road, beside the Eamon DeValera monument.	M	No works required	No Impact	A2	4.5m	40+
T_0202	6249	Lime	3	100	1	1	1	1	2m East	Good	A semi-mature Lime displaying overall good condition	SM	No works required	No Impact	C2	2.0m	20+
T_0203	6250	Lime	16	280	2	2	2	2	4m North	Good	A mature Lime displaying overall good condition	M	No works required	No Impact	B2	3.8m	20+
T_0204	6251	Lime	24	810	3	3	3	3	3m North	Good	A large mature Lime displaying overall good condition	M	No works required	No Impact	A2	9.1m	40+
T_0205	6252	Lime	22	650	4	4	4	4	4m North	Good	A mature Lime displaying overall good condition	M	No works required	No Impact	A2	7.5m	20+

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0206	6253	Turkey Oak	24	830	4	4	4	4	3m North	Good	A large mature Turkey Oak displaying overall good condition. This is located outside the U.S.A Embassy	M	No works required	No Impact	A2	9.3m	40+
T_0207	T55_P	Fagus Beech	24	500	4	4	4	4	3m North	Good	A large mature Beech displaying overall good condition. This is located on the grounds of the U.S.A. Embassy.	M	No works required	No Impact	A2	6.0m	20+
T_0208	T56_P	Oak	24	550	4	4	4	4	6m North	Good	A large mature Oak displaying overall good condition. This is located on the grounds of the U.S.A. Embassy	M	No works required	No Impact	A2	6.5m	20+
T_0209	6254	Lime	24	810	3	3	3	3	3m North	Good	A large mature Lime displaying overall good condition	M	No works required	No Impact	A2	9.1m	40+
T_0210	6255	Lime	24	810	3	3	3	3	3m North	Good	A large mature Lime displaying overall good condition	M	No works required	No Impact	A2	9.1m	40+
T_0211	T57_P	Lime	24	600	4	4	4	4	5m North	Good	Represents a row of large mature Lime displaying overall good condition. These are located on the grounds of the U.S.A. Embassy	M	No works required	No Impact	A2	7.0m	40+
T_0212	6256	Lime	20	580	3	3	3	3	5m North	Good	A large mature Lime displaying overall good condition	M	No works required	No Impact	B2	6.8m	20+
T_0213	6257	Lime	18	450	3	3	3	3	6m North	Good	A mature Lime displaying overall good condition	M	No works required	No Impact	B2	5.5m	20+
T_0214	6258	Lime	18	450	3	3	3	3	6m North	Good	A mature Lime displaying overall good condition	M	No works required	No Impact	B2	5.5m	20+

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0215	6259	Lime	18	450	3	3	3	3	6m North	Good	A mature Lime displaying overall good condition	M	No works required	No Impact	B2	5.5m	20+
T_0216	6260	Lime	3	800	0.5	0.5	0.5	0.5	1m East	Good	A semi-mature Lime displaying overall good condition	SM	No works required	No Impact	C2	9.0m	20+
T_0217	6261	Lime	16	410	2	2	2	2	4m North	Good	A mature Lime displaying overall good condition	M	No works required	Remove to facilitate works	B2	5.1m	20+
T_0218	6262	Lime	16	410	2	2	2	2	4m North	Good	A mature Lime displaying overall good condition	M	No works required	Remove to facilitate works	B2	5.1m	20+
T_0219	6263	Lime	12	310	2	2	2	2	2m North	Good	A mature Lime displaying overall good condition	M	No works required	No Impact	B2	4.1m	20+
T_0220	6264	Lime	20	450	3	3	3	3	3m North	Fair	A mature Lime displaying overall fair condition. This tree has evidence of decline in the upper canopy	M	No works required	No Impact	C2	5.5m	10
T_0221	6265	London Plane	26	650	4	4	4	4	5m North	Good	A large mature London Plane displaying overall good condition	M	No works required	No Impact	A2	7.5m	40+
T_0222	6266	Lime	26	750	4	4	4	4	6m North	Good	A large mature Lime displaying overall good condition	M	No works required	No Impact	A2	8.5m	40+
T_0223	6267	London Plane	28	1020	4	4	4	4	6m North	Good	A large mature London Plane displaying overall good condition	M	No works required	No Impact	A2	11.2m	40+

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0224	6268	Elm	18	400	3	3	3	3	3m North	Good	A mature Elm displaying overall good condition. There is significant footpath damage around the Basal Flair at the root of the tree.	M	No works required	No Impact	B2	5.0m	20+
T_0225	6269	London Plane	28	1020	4	4	4	4	6m North	Good	A large mature London Plane displaying overall good condition	M	No works required	No Impact	A2	11.2m	40+
T_0226	6270	Lime	22	720	4	4	4	4	4m North	Good	A large mature Lime displaying overall good condition	M	No works required	No Impact	A2	8.2m	40+
T_0227	6271	London Plane	28	1020	4	4	4	4	6m North	Good	A large mature London Plane displaying overall good condition	M	No works required	No Impact	A2	11.2m	40+
T_0228	6272	Lime	20	660	3	3	3	3	4m North	Fair	A large mature Lime displaying overall fair condition. This tree is showing evidence of decline which is indicated by the deadwood in the upper canopy	M	Remove the deadwood	No Impact	B2	7.6m	20+
T_0229	6273	Lime	24	660	4	4	4	4	3m North	Good	A large mature Lime displaying overall good condition	M	No works required	No Impact	A2	7.6m	20+
T_0230	6274	Acer Maple	12	210	2	2	2	2	2m North	Fair	An early mature Maple displaying overall fair condition. This tree has suffered limb loss and there is a stem crack at the base	EM	No works required	No Impact	C2	3.1m	10
T_0231	6275	Sycamore	14	310	2	2	2	2	3m North	Good	A mature Sycamore displaying overall good condition	M	No works required	No Impact	B2	4.1m	20+
T_0232	6276	Norway Maple	12	280	2	2	2	2	3m North	Fair	An early mature Norway Maple displaying overall fair condition. This tree is in decline	EM	No works required	No Impact	C2	3.8m	10+

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0233	6277	Norway Maple	10	270	2	2	2	2	3m North	Fair	An early mature Norway Maple displaying overall fair condition. This tree is in early decline	EM	No works required	No Impact	C2	3.7m	10
T_0234	6278	Maple	10	260	2	2	2	2	3m North	Fair	An early mature Maple displaying overall fair condition. This tree is in early decline	EM	No works required	No Impact	C2	3.6m	10
T_0235	6279	Maple	10	260	2	2	2	2	3m North	Fair	An early mature Maple displaying overall fair condition. This tree is in early decline	EM	No works required	No Impact	C2	3.6m	10
T_0236	6280	Maple	10	260	2	2	2	2	3m North	Fair	An early mature Maple displaying overall fair condition. This tree is in early decline	EM	No works required	No Impact	C2	3.6m	10
T_0237	6281_6282 x4	Lime	8	280	2	2	2	2	2m North	Good	Represents 4 early mature Lime displaying overall good condition. These are located on Baggot St. Lower.	EM	No works required	No Impact	B2	3.8m	20+
T_0238	6283 - 6284 x 14	Lime	8	280	2	2	2	2	2m North	Good	Represents 14 early mature Lime displaying overall good condition.	EM	No works required	No Impact	B2	3.8m	20+
T_0239	6285	Norway Maple	14	370	3	3	3	3	3m North	Good	A mature Norway Maple displaying overall good condition	M	No works required	retain	B2	4.7m	20+
T_0240	6286	Maple	10	230	2	2	2	2	2m North	Fair	An early mature Maple displaying overall fair condition. This tree is showing evidence of early decline	EM	Remove	Remove to facilitate works	C2	3.3m	10+
T_0241	6287 x4	Lime Norway Maple	8	150	0.5	0.5	0.5	0.5	2m East	Fair	Represents 4 early mature trees consisting of 1 Lime and 3 Norway Maple displaying overall fair condition. All trees are showing signs of decline	EM	Remove	Remove to facilitate works	C2	2.5m	10+

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0242	T58_P	Sycamore	16	500	3	3	3	3	3m North	Good	A large mature Sycamore displaying overall good condition.	M	No works required	No Impact	B2	6.0m	20+
T_0243	6288	Lime	24	650	3	3	3	3	2m North	Good	A large mature Lime displaying overall good condition	M	No works required	No Impact	A2	7.5m	40+
T_0244	T59_P	Sycamore	24	600	4	4	4	4	5m North	Good	A large mature Sycamore displaying overall good condition	M	No works required	No Impact	A2	7.0m	40+
T_0245	6289	London Plane	24	740	5	5	5	5	5m North	Good	A large mature London Plane displaying overall good condition	M	No works required	No Impact	A2	8.4m	40+
T_0246	6290	Silver Birch	18	730	4	4	4	4	2m North	Good	A large mature Silver Birch displaying overall good condition	M	No works required	No Impact	B2	8.3m	20+
T_0247	6291	Silver Birch	10	270	2	2	2	2	3m North	Good	A mature Silver Birch displaying overall good condition	M	No works required	No Impact	B2	3.7m	20+
T_0248	6292	Whitebeam	10	330	2	2	2	2	4m North	Good	A mature Whitebeam displaying overall good condition	M	No works required	No Impact	B2	4.3m	20+
T_0249	6293	Cherry	10	580	3	3	3	3	3m North	Poor	A mature Cherry displaying overall poor condition. This tree is in decline and has a significant crack at the main union	M	Remove	remove to facilitate works	U	6.8m	10-
T_0250	6294	Silver Birch	14	370	3	3	3	3	3m North	Good	A mature Silver Birch displaying overall good condition	M	No works required	No Impact	B2	4.7m	20+
T_0251	6295	Cherry	6	240	2	2	2	2	2m North	Fair	A mature Cherry displaying overall fair condition	M	No works required	No Impact	C2	3.4m	10+

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0252	6296	Norway Maple Crimson King	18	460	4	4	4	4	3m North	Good	A mature Norway Maple Crimson King displaying overall good condition	M	No works required	No Impact	B2	5.6m	20+
T_0253	6297	Cherry	8	350	3	3	3	3	3m North	Fair	A mature Cherry displaying overall fair condition. This tree is heavily suppressed in Ivy and is in decline	M	No works required	No Impact	C2	4.5m	10-
T_0254	T60_P	Lime	24	700	4	4	4	4	3m North	Good	A large mature co-dominant Lime displaying overall good condition	M	No works required	No Impact	B2	8.0m	20+
T_0255	T61_P	Sycamore	24		4	4	4	4	3m North	Good	A large mature co-dominant Sycamore displaying overall good condition	M	No works required	No Impact	B2		20+
T_0256	6298	Lime	20	700	3	3	3	3	3m North	Good	A large mature Lime displaying overall good condition. This tree is located on Raglan Road.	M	No works required	No Impact	A2	8.0m	40+
T_0257	6299 x2	Lime	12	220	2	2	2	2	2m North	Good	Represents 2 early mature Lime displaying overall good condition	EM	No works required	No Impact	B2	3.2m	20+
T_0258	6300 x3	London Plane	22	1100	4	4	4	4	4m North	Good	A large mature London Plane displaying overall good condition	M	No works required	No Impact	A2	12.0m	40+
T_0259	6301	Lime	18	570	3	3	3	3	4m North	Good	A large mature Lime displaying overall good condition	M	No works required	No Impact	B2	6.7m	20+
T_0260	6302	London Plane	24	800	3	3	3	3	4m North	Good	A large mature London Plane displaying overall good condition	M	No works required	No Impact	A2	9.0m	40+
T_0261	6303	Lime	26	750	4	4	4	4	6m North	Good	A large mature Lime displaying overall good condition	M	No works required	No Impact	A2	8.5m	40+

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0262	6304	Lime	26	730	4	4	4	4	6m North	Good	A large mature Lime displaying overall good condition	M	No works required	No Impact	A2	8.3m	40+
T_0263	6305	Lime	26	730	4	4	4	4	6m North	Good	A large mature Lime displaying overall good condition	M	No works required	Remove to facilitate works	A2	8.3m	40+
T_0264	6306	Lime	26	730	4	4	4	4	6m North	Good	A large mature Lime displaying overall good condition	M	No works required	No Impact	A2	8.3m	40+
T_0265	6307	London Plane	24	1000	3	3	3	3	5m North	Good	A large mature London Plane displaying overall good condition	M	No works required	Remove to facilitate works	A2	11.0m	40+
T_0266	6308	London Plane	24	1000	3	3	3	3	5m North	Good	A large mature London Plane displaying overall good condition	M	No works required	Remove to facilitate works	A2	11.0m	40+
T_0267	T66 x 6_P	Sycamore	22	500	3	3	3	3	3m south	Good	A group of large sycamores located with Elm park Golf course	M	Remove	Remove to facilitate works	B2	6m	20+
T_0268	Group 0P	Laswon cypress	9	220	1	2	2	2	.5m south	Fair	Group of 15 Lawson Cypress within the grounds of RTE	M	No works required	Partial removal due to road widening	C2	3.2m	20+
T_0269	T0 x 3	Hornbeam	6	160	1	1	1	1	2m couth	Good	Hornbeam	EM	No works required	No Impact	C2	2.6m	20+
T_0270	Group 13 *P	Sycamore Scots Pine Norway maple	20	500 circa	4	4	4	4	2m south	Good	A mixed deciduous group located within the grounds of RTE	M	Remove	Remove to facilitate works	B2		20+

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0271	Group 14 *P	Copper beech Lime	12	280	2	2	2	2	2m south	Good	A mixed deciduous group located within the grounds of RTE	EM	Remove	Remove to facilitate works	B2		20+
T_0272	T67 x 3_P	Sycamore	22	540 circa	3	3	3	3	3m north	Good	Three large mature sycamores on the grounds of Elm park GC	M	Remove	Remove to facilitate works	B2		20+
T_0273	Group 8_*P	Sycamore cluster	16	400 circa	2	2	2	2	3m north	Good	Deciduous group consisting of large mature sycamores	M	Retain	No Impact	B2		20+
T_0274	Group 9_*P	Sycamore cluster	16	400 circa	2	2	2	2	3m north	Good	Deciduous group consisting of large mature sycamores	M	Retain	No Impact	B2		20+
T_0275	Group 10_P*	Laurel hedging	6	180circa	2	2	2	2	.5m south	Fair	Laurel hedging	M	Remove	Remove to facilitate works	C2		10+
T_0276	Group 11*P	Beech hedging	2	100 circa	1	1	1	1	.5m south	Good	8 trees plus one Beech hedge feature	M	Remove	Remove to facilitate works	C2		10+
T_0277	Group 17 P	Sycamore x 11	16	350	2	2	2	2	3m south	Good	Wilton Terrace Group - A row of large mature sycamores along the grand canal	M	Retain	No Impact	B2	4.5m	20+

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T_0278	Group 12 *	Mixed deciduous	6	200	2	2	2	2	1m south	Good	A mixed deciduous group of purple plum, Norway maple	EM	Remove	Remove to facilitate works	C2		10+
T_0279	T1 x2 P	Betula Pendula Silver Birch	8	200	2	2	2	2	3m North	Good	Represents 2 early mature Silver Birch displaying overall good condition. These trees are located on private property in the North East RTE Studio Lands.	EM	No works required	No Impact	B2	3.0m	20+
T_0280	T1A *P	cypress hedge	8	320	3	3	3	3	2m north	good	cypress trees within private property	M	no works required	No impact	b2	4.2m	20+
T_0281	Group 15 *P	Cypress hedge	18	500	3	3	3	3	2m south	good	a large mature hedgerow mixed deciduous trees	M	Retain	no impact	B2	6m	20+
T_0282	Group 16 P	sycamore x 6	20	500	4	4	4	4	3m north	Good	6 large mature sycamore within private property	M	2 to be removed	remove 2 retain 4	B2	6m	20+
T_0283	Group 18 *P	Cypress hedge + Beech hedge	4	110	1	1	1	1	1m north	good	a mature beech/cypress hedge	M	remove	remove for landtake	c2		20+
T_0284	5983	Platanus x hispanica London Plane	18	820	4	4	4	4	5m North	Good	A large mature London Plane displaying overall good condition	M	No works required	retain	A2	9.2m	40+
T_0285	5984	Lime	16	530	3	3	2	2	2m East	Good	A mature Lime displaying overall good condition	M	Remove	Remove to facilitate works	B2		40+
T_0286	5985	London Plane	18	690	4	4	4	4	6m North	Good	A large mature London Plane displaying overall good condition. This tree has an insignificant stem cavity on the eastern side at 0.5m but it doesn't impact on the overall health of the tree.	M	No works required	retain	A2	7.9m	40+

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0287	5986	London Plane	18	790	5	5	5	5	6m North	Good	A large mature London Plane displaying overall good condition	M		Remove to facilitate	A2		40+
T_0288	5987	Tilia Lime	16	630	3	3	3	3	6m North	Good	A large mature Lime displaying overall good condition	M	No works required	retain	B2		20+
T_0289	5988	London Plane	18	950	6	6	6	6	5m North	Good	A large mature London Plane displaying overall good condition	M	No works required	retain	A2		40+
T_0290	5989	Lime	18	750	4	4	4	4	2m North	Good	A large mature Lime displaying overall good condition	M	Remove the Basal Suckers	retain	A2		40+
T_0291	5990	London Plane	20	870	3	3	3	3	8m North	Good	A large mature London Plane displaying overall good condition	M	No works required	retain	A2	9.7m	40+
T_0292	5991	Lime	18	630	3	3	3	3	3m North	Good	A large mature Lime displaying overall good condition	M	Remove the Basal Suckers	retain	B2	7.3m	20+
T_0293	5992	London Plane	18	640	4	4	4	4	3m North	Good	A large mature London Plane displaying overall good condition	M	No works required	Remove to facilitate	A2		40+
T_0294	5993	Lime	16	500	2	2	2	2	2m North	Fair	A large mature Lime displaying overall fair condition. This tree has been negatively pruned in the upper canopy	M	Remove the upper epicormics growth	Remove to facilitate	B2		20+
T_0295	5994	London Plane	16	750	4	4	4	4	6m North	Good	A large mature London Plane displaying overall good condition	M	No works required	Remove to facilitate	A2		40+
T_0296	5995	London Plane	18	730	4	4	4	4	6m North	Good	A large mature London Plane displaying overall good condition	M	No works required	Remove to facilitate	A2		40+

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0297	5996	London Plane	18	700	4	4	4	4	6m North	Good	A large mature London Plane displaying overall good condition	M	No works required	retain	A2	8.0m	40+
T_0298	5997	Sorbus Mountain Ash	3	110	0.5	0.5	0.5	0.5	2m North	Good	A semi-mature Mountain Ash displaying overall good condition	SM	No works required	retain	C2		20+
T_0299	5998	Lime	8	310	2	2	2	2	2m North	Fair	An early mature Lime displaying overall fair condition. This tree is leaning towards the houses.	EM	No works required	retain	C2	4.1m	10+
T_0300	5999	Lime	18	450	4	4	3	3	2m North	Good	A mature Lime displaying overall good condition	M	Remove the lower Basal growth	Remove to facilitate	B2		20+
T_0301	6000	London Plane	16	680	4	4	4	4	4m North	Good	A large mature London Plane displaying overall good condition	M	No works required	Remove to facilitate	A2		40+
T_0302	6001	Lime	8	320	3	3	3	3	2m North	Good	An early mature Lime displaying overall good condition	EM	No works required	No impact	B2	4.2m	20+
T_0303	6022 x 6	Sabal Palmetto Cabbage Palm	3	200	0.5	0.5	0.5	0.5	1m North	Fair/Poor	Represents 6 mature Cabbage Palm displaying overall fair to poor condition. All of these trees are in decline.	M	Remove	Remove to facilitate works	C2	3.0m	10-
T_0304	6003	Lime	16	500	3	3	3	3	3m North	Good	A mature Lime displaying overall good condition	M	Remove the lower epicormics growth	retain	B2	6.0m	20+
T_0305	6004	Lime	10	200	2	2	2	2	1m North	Good	An early mature Lime displaying overall good condition	EM	No works required	retain	B2	3.0m	20+

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0306	6055 x 5	Lime	12	400	3	3	3	3	2m North	Fair	Represents a row of 5 mature Lime displaying overall fair condition. These trees are heavily engulfed in Ivy. These trees are very adjacent to the railway tracks.	M	Consider for removal	retain	C2	5.0m	10-
T_0307	6006 x 6	Lime	16	350	3	3	3	3	3m North	Good	Represents a row of 6 mature Lime displaying overall good condition	M	No works required	retain	B2	4.5m	20+
T_0308	6007 x 2	Lime	16	350	3	3	3	3	3m North	Good	Represents 2 large mature Lime displaying overall good condition	M	No works required	retain	B2	4.5m	20+
T_0309	6008 x 7	Sycamore	14	280	2	2	2	2	2m North	Good	Represents a row of 7 early mature Sycamore displaying overall good condition	EM	No works required	retain	B2	3.8m	20+
T_0310	6009	Lime	3	100	0.5	0.5	0.5	0.5	1m North	Fair	A semi-mature Lime displaying overall fair condition. This tree is in decline, it is struggling in its planted location	SM	Consider for removal	Remove to facilitate	C2		10-
T_0311	6010 x 7P	Sycamore	14	280	2	2	2	2	2m North	Good	Represents a row of 7 mature Sycamore displaying overall good condition. These trees are located adjacent to a car park on the northern side	M	No works required	Remove the 1st tree in the row	B2	3.8m	20+

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0312	6011 x 8	Mountain Ash Sycamore Salix Willow Cupressus Macrocarpa Monterey Cypress	14	300	3	3	3	3	2m East	Good	Represents a row of 8 semi-mature trees consisting of Mountain Ash, Sycamore, Willow and Monterey Cypress displaying overall good condition. These trees are located on the south side of the car park and provide screening for the car park.	M	No works required	Remove 6	B2	4.0m	20+
T_0313	6012 x 30 P	Sycamore	10	250	2	2	2	2	2m North	Fair	Represents a group of 30 mature Sycamore displaying overall fair condition. These trees are located in an area behind a wall and are all very heavily clad in Ivy and are all showing symptoms of decline.	M	No works required	30 to be Remove to facilitate the works	C2	3.5m	10+
T_0314	6013	Sycamore	10	370	4	4	4	4	2m North	Good	A mature Sycamore displaying overall good condition	M	Remove the lower Basal Suckers	retain	B2	4.7m	20+
T_0315	6014 x 4	Sycamore Willow	18	400	2	2	2	2	3m North	Good	Represents 4 mature trees consisting of 2 x Sycamore and 2 x Willow displaying overall good condition	M	No works required	retain	B2	5.0m	20+

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0316	6015 x 2	Populus Alba Sycamore	20		2	2	2	2	1m North	Good	Represents 2 large mature White Poplar displaying overall good condition. These trees are adjacent to a Bus Shelter and are within falling distance of the road and as this species is susceptible to wind-throw they should be considered for removal	M	Consider for removal	retain	B2		10+
T_0317	6016	Sycamore	10		3	3	3	3	0.5m North	Fair	A mature multi-stemmed Sycamore displaying overall fair condition. This tree is heavily suppressed with Ivy.	M	No works required	retain	C2		10+
T_0318	6017	Sycamore	10		3	3	3	3	0.5m North	Fair	A mature multi-stemmed Sycamore displaying overall fair condition. This tree is heavily suppressed with Ivy.	M	No works required	retain	C2		10+
T_0319	6018 x 2	Ulmus Elm	12		3	3	3	3	0.5m North	Good	Represents 2 large mature multi-stemmed Elm displaying overall good condition	M	No works required	Retain	B2		20+
T_0320	6019	Elm	12		3	3	3	3	0.5m North	Good	A mature multi-stemmed Elm displaying overall good condition	M	No works required	Retain	B2		20+
T_0321	6020	Quercus Ilex Holm Oak	3	100	0.5	0.5	0.5	0.5	1m North	Good	A semi-mature Holm Oak displaying overall good condition	SM	No works required	retain	C2		20+
T_0322	6021 x 5	Lime	5	160	1	1	1	1	2m North	Good	Represents 5 semi-mature Lime displaying overall good condition	SM	No works required	retain	C2	2.6m	20+
T_0323	6022	Sycamore	14	490	3	3	3	3	2m North	Good	A mature Sycamore displaying overall good condition	M	No works required	retain	B2	5.9m	20+

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0324	6023	Sycamore	14	650	3	3	3	3	2m North	Good	A mature Sycamore displaying overall good condition	M	No works required	retain	B2	7.5m	20+
T_0325	6024	Poplar	24	910	2	2	2	2	3m North	Fair	A large mature Poplar displaying overall fair condition. This tree is nearing the end of its life so it's not appropriate for its location as it is in falling distance of the road. This tree is located at the edge of Booderstown Park.	M	Consider for removal	retain	C2	10.1m	10-
T_0326	6025	Sycamore	16	570	3	3	3	3	4m North	Good	A large mature Sycamore displaying overall good condition	M	No works required	retain	B2	6.7m	20+
T_0327	6026	Lime	6	200	2	2	2	2	2m North	Good	An early mature Lime displaying overall good condition	EM	No works required	retain	B2	3.0m	20+
T_0328	6027	Sycamore	6	170	2	2	2	2	2m North	Good	An early mature Sycamore displaying overall good condition	EM	No works required	retain	C2	2.7m	20+
T_0329	6028	Ash	8	270	3	3	2	2	2m North	Good	A mature Ash displaying overall good condition	M	No works required	retain	B2	3.7m	20+
T_0330	6029	Lime	14	380	3	3	3	3	3m North	Good	A mature Lime displaying overall good condition	M	No works required	retain	B2	4.8m	20+
T_0331	6030	Fagus Beech	4	280	2	2	2	2	2m East	Fair	An early mature Beech displaying overall fair condition. This tree is in decline	EM	Consider for removal	retain	C2	3.8m	10-
T_0332	6031	Robinia	16	450	4	4	4	4	3m North	Good	A large mature Robinia displaying overall good condition	M	No works required	retain	A2	5.5m	20+

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0333	6032	Beech	5	280	2	2	2	2	2m North	Fair	An early mature Beech displaying overall fair condition. This tree is in decline	EM	Consider for removal	retain	C2	3.8m	10-
T_0334	6033	Cherry	6	340	3	3	3	3	2m North	Good	A large mature Cherry displaying overall good condition	M	No works required	retain	B2	4.4m	20+
T_0335	6034	Beech	10	270	2	2	2	2	2m North	Good	A large mature Beech displaying overall good condition	M	No works required	retain	B2	3.7m	20+
T_0336	6035	Robinia	16	450	4	4	4	4	3m North	Good	A large mature Robinia displaying overall good condition	M	No works required	retain	A2	5.5m	20+
T_0337	6036	Ash	12	290	3	3	3	3	3m North	Good	A large mature Ash displaying overall good condition	M	No works required	retain	B2	3.9m	20+
T_0338	6037	Carpinus Betulus Hornbeam	6	290	4	4	2	2	2m North	Good	A mature Hornbeam displaying overall good condition	M	No works required	retain	B2	3.9m	20+
T_0339	6038	Prunus Cerasifera Purple Plum	8	370	2	2	2	2	2m North	Fair	A large mature Purple Plum displaying overall fair condition. This tree is in decline and has is significant Fungal Growth	M	Consider for removal	retain	C2	4.7m	10-
T_0340	6039	Sycamore	10	140	1	1	1	1	3m North	Fair	An early mature Sycamore displaying overall fair condition. This tree is in decline	EM	No works required	retain	C2	2.4m	10-
T_0341	6040	Alnus Cordata Italian Alder	14	410	3	3	3	3	4m East	Good	A large mature Italian Alder displaying overall good condition	M	No works required	retain	B2	5.1m	20+

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0342	6041	Sycamore	8	210	2	2	2	2	2m North	Good	An early mature Sycamore displaying overall good condition	EM	No works required	retain	C2	3.1m	20+
T_0343	6042	Acer Campestre Field Maple	10	260	3	3	3	3	3m North	Good	A mature Field Maple displaying overall good condition	M	No works required	retain	B2	3.6m	20+
T_0344	6043	Silver Birch	14	250	2	2	2	2	2m North	Good	A mature Silver Birch displaying overall good condition	M	No works required	retain	B2	3.5m	20+
T_0345	6044	Purple Plum	4	200	2	2	2	2	1m North	Fair	A mature co-dominant Purple Plum displaying overall fair condition. This tree is in decline.	M	Consider for removal	retain	C2	3.0m	10-
T_0346	6045	Sycamore	14	380	3	3	3	3	3m North	Good	A mature Sycamore displaying overall good condition	M	No works required	retain	B2	4.8m	20+
T_0347	6046	Lime	5	180	1	1	1	1	2m North	Good	A semi-mature Lime displaying overall good condition	SM	No works required	retain	B2	2.8m	20+
T_0348	6047	Lime	10	310	3	3	3	3	3m North	Good	A mature Lime displaying overall good condition	M	No works required	retain	B2	4.1m	20+
T_0349	6048	Sycamore	14	680	4	4	3	3	4m North	Fair	A large mature Sycamore displaying overall fair condition. This tree has been heavily over-pruned	M	No works required	retain	C2	7.8m	10+
T_0350	6049	Apple	6	300	1	1	1	1	3m North	Fair	A mature Apple displaying overall fair condition. This tree is in decline	M	Consider for removal	retain	C2	4.0m	10-

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0351	6050	Cherry	14	400	3	3	3	3	3m North	Good	A mature Cherry displaying overall good condition	M	No works required	retain	B2	5.0m	20+
T_0352	6051	Cherry	6	360	2	2	2	2	2m North	Fair	A mature Cherry displaying overall fair condition. There are some broken stems within this tree and it is in decline	M	Remove all dead limbs	retain	C2	4.6m	10-
T_0353	6052	Crataegus Monogyna Hawthorn	6	380	2	2	2	2	2m North	Fair	A mature Hawthorn displaying overall fair condition. This tree is showing evidence of decline	M	No works required	retain	C2	4.8m	10-
T_0354	6053	Monterey Cypress	20	800	2	2	2	2	3m North	Fair	A large mature Monterey Cypress displaying overall fair condition. This tree has been heavily over-pruned to the south. It is the first in a row of trees.	M	No works required	retain	C2	9.0m	10-
T_0355	6054	Beech	10	220	2	2	2	2	2m South	Good	An early mature Beech displaying overall good condition	EM	No works required	retain	B2	3.2m	20+
T_0356	6055 x 9	Hornbeam	3	100	0.5	0.5	0.5	0.5	2m East	Good	Represents a row of 9 young Hornbeam displaying overall good condition	Y	No works required	6 will require removal	C2		20+

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0357	6056P	Beech Sycamore	24	790					6m North	Fair	A row of large mature Beech, Sycamore and Shrubbery displaying overall fair condition. This tree is in decline and it is located at the entrance of Blackrock Clinic on a landscaped grass mound. These trees have a high amenity and high aesthetic value. these has been id in the Dunlaoghaire-Rathdown County Development Plan 2016-2022, tree to protect and preserve	M	Remove	One beech and 5 sycamore trees will require removal and the shubbery .	A2	8.9m	10
T_0358	6057P	Aesculus Hippocastanum Horse Chestnut Sycamore	22	460	3	3	3	3	3m North	Good	Represents a group of mature Horse Chestnut, Sycamore and landscaped Shrubbery displaying overall good condition. These trees are located on the south side of the entrance to Blackrock Clinic. These trees contribute to the aesthetic and amenity to the area and to the entrance of the hospital These trees have a high amenity and high aesthetic value. these has been id in the Dunlaoghaire-Rathdown County Development Plan 2016-2022, tree to protect and preserve.	M	No works required	The 1st tree is to be removed which is a Sycamore	A2	5.6m	20+
T_0359	6058	Sycamore	5	220	0.5	0.5	0.5	0.5	2m North	Poor	An early mature Sycamore displaying overall poor condition. This tree has been heavily over pruned.	EM	Remove based on its condition	Remove	U	3.2m	10-

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0360	6059	Cherry	4	210	3	3	3	3	2m North	Good	A mature Cherry displaying overall good condition. This tree is located in Blackrock Park	M	No works required	Retain	B2	3.1m	20+
T_0361	6060 x 3	Betula Jacquemonti Cherry	6	200	2	2	2	2	2m North	Good	Represents 3 early mature Jacquemonti Birch displaying overall good condition	EM	No works required	Retain	B2	3.0m	20+
T_0362	6061	Cherry	3	180	2	2	2	2	2m North	Good	An early mature Cherry displaying overall good condition	EM	No works required	Retain	C2	2.8m	20+
T_0363	6062	Mountain Ash	8	300	2	2	2	2	2m North	Fair	A mature Mountain Ash displaying overall fair condition. This tree is co-dominant at 2m with a significant crack at that main union which will increase the failure rate of the tree	M	No works required	Retain	C2	4.0m	10-
T_0364	6063 x 4P	Cherry	3	290	1	1	1	1	2m North	Poor	A mature Cherry displaying overall poor condition. This tree is in advanced decline	M	Remove	3 to be removed to facilitate works	U		0
T_0365	6064	Cherry	10	470	4	4	4	4	3m North	Good	A large mature Cherry displaying overall good condition	M	No works required	Retain	B2	5.7m	20+
T_0366	6065	Ash	14	470	4	4	4	4	3m North	Good	A large mature Ash displaying overall good condition	M	No works required	Retain	B2	5.7m	20+
T_0367	6066 x 2	Lime	6	220	2	2	2	2	2m North	Fair	Represents 2 early mature Lime displaying overall fair condition	EM	Remove	Remove to facilitate	C2	3.2m	10+

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0368	6067	Pinus Radiata Monterey Pine	14	500	3	3	3	3	3m North	Good	A large mature Monterey Pine displaying overall good condition	M	Remove	Remove to facilitate	B2	6.0m	20+
T_0369	6068	Ulmus Procera English Elm	14	500	3	3	3	3	3m North	Good	A large mature English Elm displaying overall good condition	M	Remove	Remove to facilitate	B2	6.0m	20+
T_0370	6069	English Elm	14	500	3	3	3	3	3m North	Good	A large mature English Elm displaying overall good condition	M	Remove	Remove to facilitate	B2	6.0m	20+
T_0371	6070	Monterey Pine	6	200	2	2	2	2	2m North	Good	An early mature Monterey Pine displaying overall fair condition. This tree has been suppressed by the larger surrounding trees.	EM	Remove	Remove to facilitate	C2	3.0m	10+
T_0372	6071	Horse Chestnut	18	740	3	3	3	3	4m North	Good	A large mature Horse Chestnut displaying overall good condition. This tree is located within Blackrock Park	M	No works required	Retain	B2	8.4m	20+
T_0373	6072	Sycamore	12	470	4	4	4	4	4m North	Good	A mature Sycamore displaying overall good condition	M	No works required	Retain	B2	5.7m	20+
T_0374	6073	Liriodendron Tulipifera Tulip	6	170	2	2	2	2	2m North	Good	A semi-mature Tulip tree displaying overall good condition	SM	No works required	Retain	B2	2.7m	20+
T_0375	6074	Fraxinus Excelsior Weeping Ash	5	160	2	2	2	2	2m North	Good	A semi-mature Weeping Ash displaying overall good condition	SM	No works required	Retain	B2	2.6m	20+

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0376	6075	Metasequoia Glyptostroboides Dawn Redwood	8	270	1	1	1	1	1m North	Good	A mature Dawn Redwood displaying overall good condition	M	No works required	Retain	B2	3.7m	20+
T_0377	6076	Horse Chestnut	10	470	2	2	2	2	3m North	Poor	A mature Horse Chestnut displaying overall poor condition. This tree is in advanced decline	M	Remove based on its condition	Remove	U	5.7m	10-
T_0378	6077	Lime	20	650	3	3	4	4	5m North	Good	A large mature Lime displaying overall good condition	M	No works required	Retain	A2	7.5m	20+
T_0379	6078	Sycamore	18	550	3	3	3	3	4m North	Good	A mature Sycamore displaying overall good condition	M	No works required	Retain	B2	6.5m	20+
T_0380	6079	Holm Oak	12	310	3	3	3	3	4m North	Fair	A mature Holm Oak displaying overall fair condition. This tree has been suppressed by the larger surrounding trees	M	No works required	Retain	C2	4.1m	10+
T_0381	6080	Holm Oak	14	430	2	2	2	2	4m North	Good	A mature Holm Oak displaying overall good condition	M	No works required	Retain	B2	5.3m	20+
T_0382	6081	Horse Chestnut	22	1000	4	4	4	4	4m East	Good	A large mature Horse Chestnut displaying overall good condition	M	No works required	Retain	A2	11.0m	20+
T_0383	6082 x 3	London Plane	4	90	0.5	0.5	0.5	0.5	1m North	Good	Represents 3 semi-mature London Plane displaying overall good condition	SM	No works required	Retain	B2	1.0m	20+

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T_0384	6083 x 3	Hornbeam	3	85	0.5	0.5	0.5	0.5	1m North	Fair	Represents 3 semi-mature Hornbeam displaying overall fair condition. These trees has suffered some lower mechanical damage.	SM	No works required	Retain	C2	1.0m	10+
T_0385	6084 P	Sycamore	3	120	1	1	1	1	2m North	Fair	A semi-mature Sycamore displaying overall fair condition	SM	No works required	Retain	C2	2.2m	10+
T_0386	6085 P	Birch	4	190	1	1	1	1	1m East	Good	Represents 5 semi-mature Birch displaying overall good condition	SM	No works required	Retain	B2	2.9m	20+
T_0387	6086 x 6	Hornbeam	5	120	1	1	1	1	1m South	Good	Represents 6 semi-mature Hornbeam displaying overall good condition	SM	No works required	Retain	B2	2.2m	20+
T_0388	6087 x 2	Silver Birch	2	750	0.5	0.5	0.5	0.5	0.5 North	Good	Represents 2 young Silver Birch displaying overall good condition	Y	No works required	Retain	C2	8.5m	20+
T_0389	6088 x 7	Hornbeam	8	270	2	2	2	2	1m North	Good	Represents a row of 7 mature Hornbeam displaying overall good condition. These trees are planted among a bed of shrubbery	M	No works required	Retain	B2	3.7m	20+
T_0390	6092 x 9	Silver Birch	8	210	1	1	1	1	2m North	Good	Represents a group of 9 mature Silver Birch displaying overall good condition	M	No works required	Retain	B2	3.1m	20+
T_0391	6093 x 3 P	Silver Birch	10	240	2	2	2	2	1m North	Good	Represents 3 mature Silver Birch displaying overall good condition	M	No works required	Retain	B2	3.4m	20+
T_0392	6094 P	Sumac	6	190	2	2	2	2	1m North	Good	A mature Sumac displaying overall good condition	M	No works required	Retain	C2	2.9m	20+

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T_0393	6095 P	Silver Birch	8	210	2	2	2	2	2m North	Good	A mature Silver Birch displaying overall good condition	M	No works required	Retain	B2	3.1m	20+
T_0394	6096 x 11	London Plane	8	100	1	1	1	1	2m North	Good	Represents a row of 11 semi-mature London Plane displaying overall good condition	SM	No works required	Retain	B2	2.0m	40+
T_0395	6097	Lime	12	520	3	3	3	3	2m North	Good	A mature Lime displaying overall good condition	M	No works required	Retain	B2	6.2m	20+
T_0396	6098	Dawn Redwood	16	430	2	2	2	2	3m North	Good	A mature Dawn Redwood displaying overall good condition	M	No works required	Retain	A2	5.3m	40+
T_0397	6099	Horse Chestnut	12	500	4	4	4	4	2m North	Good	A mature Horse Chestnut displaying overall good condition	M	No works required	Retain	B2	6.0m	20+
T_0398	6100 x 2	Sycamore	20	850	4	4	4	4	3m North	Good	Represents 2 large mature Sycamore displaying overall good condition	M	No works required	Retain	A2	9.5m	20+
T_0399	6101	Sycamore	18	600	4	4	4	4	3m North	Good	A large mature Sycamore displaying overall good condition	M	No works required	Retain	B2	7.0m	20+
T_0400	6102 x 2	Norway Maple	6	180	3	3	3	3	2m North	Good	Represents 2 semi-mature Norway Maple displaying overall good condition	SM	No works required	Retain	C2		20+
T_0401	6103 x 14	Hornbeam	8	210	2	2	2	2	1m North	Good	Represents 14 mature Hornbeam displaying overall good condition	M	No works required	Retain	B2	3.1m	20+

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0402	6089 x 3 P	Cedrus Atlantica Atlas Cedar Robinia Sycamore	6		2	2	2	2	0.5m North	Good	Represents a group of 3 mature trees consisting of Atlas Cedar, Robinia and some Sycamore displaying overall good condition. These trees are located within private property in a brick planting box. They have been reduced to their height.	M	No works required	Retain	C2		20+
T_0403	6091 - 6091 x 17	Lime Hornbeam	10	290	2	2	2	2	3m North	Good	Represents a row of 17 mature Lime and Hornbeam displaying overall good condition	M	No works required	Retain	B2	3.9m	20+
T_0404	Group 19 x 7P	Betula Pendula Silver Birch	10	150	2	2	2	2	2m North	Good	Represents a group of semi-mature deciduous trees consisting of Silver Birch displaying overall good condition	SM	No works required	retain	B2	2.5m	20+
T_0405	Group 28 x 4 P	Sycamore Fagus Sylvatica Copper Beech Lime	20		3	3	3	3	4m North	Fair	Represents a row of 4 mature trees located in a private apartment block. Consisting of 2 x Sycamore, a Copper Beech and a Lime displaying overall fair condition. In particular the Copper Beech has been heavily over-pruned.	M	No works required	retain	C2		20+
T_0406	Group 29 x 26 P	Sycamore Lime Willow Betula Birch			3	3	3	3	1m North	Good	Represents a group of 26 mature mixed deciduous trees consisting of Sycamore, Lime, Willow and Birch displaying overall good condition. These trees are located just at the Willow Park entrance to Blackrock College contained in a grass area.	M	No works required	retain	B2		20+

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0407	Group 30 x 20 P	Sycamore	26	650	4	4	4	4	3m North	Good	Represents a group of 20 large mature Sycamore displaying overall good condition. This trees are located within the grounds of Blackrock College, behind the 3m boundary wall.	M	No works required	retain	A2	7.5m	40+
T_0408	Group 31 P	Field Maple Sycamore Poplar	14	250	3	3	3	3	3m North	Good	Represents a group of mature trees consisting of Field Maple, Sycamore and Poplar displaying overall good condition. These trees are located on the grounds of Blackrock College	M	No works required	retain	B2	3.5m	20+
T_0409	Group 32 P	Monterey Cypress Sycamore	20	600	4	4	4	4	4m North	Good	Represents large mature Monterey Cypress and Sycamore displaying overall good condition. These trees are located on the grounds of Blackrock College	M	No works required	retain	B2	7.0m	20+
T_0410	Group 33 x 15 P	Lawson Cypress Sycamore	20	400	3	3	3	3	2m North	Good	Represents a row of 15 large mature Lawson Cypress and Sycamore displaying overall good condition. These trees are located on the grounds of Blackrock College. They provide good screening between the road and the College.	M	No works required	1 tree to be removed	B2	5m	20+

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0411	Group 34 x 40 P	Lime Beech	22	600	3	3	3	3	2m east	Good	Represents a row of large mature mixed deciduous trees consisting of Lime, Beech and Sycamore with an understory of early mature Lime displaying overall good condition. These trees are located in the grounds of Blackrock College	M	No works required	The row of early mature limes ill require removal 26 to be removed	A2	7m	20+
T_0412	Group 35 x 12 P	Sorbus Aria Whitebeam Mountain Ash Copper Beech Cherry								Good	Represents a row of 12 mixed deciduous mature trees consisting of Whitebeam, Mountain Ash, Copper Beech and Cherry displaying overall good condition. These trees are located at the junction of Mount Merrion Avenue and the Rock Road.	M	No works required	Retain	B2		20+
T_0413	Group 22 x4	Birch Beech	6	100	2	2	2	2	2m North	Good	Represents a row of 4 mature Cherry displaying overall good condition. These trees are located on the grounds of St. Oliver's Nursing Home.	SM	No works required	retain	B2	2.0m	20+
T_0414	Group 37 x 35 P	Sycamore	20	500	3	3	3	3	2m North	Good	Represents a group of 35 mature Sycamore displaying overall good condition. These trees are located along a steep embankment within Blackrock Park. They provide good screening between the road and the park.	M	No works required	11 to be removed to facilitate works	B2	6.0m	20+

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0415	Group 20 x 4 P	Fraxinus Ash Pinus Sylvestris Scots Pine Acer Platanoides Norway Maple	14	250 (circa)	3	3	3	3	2m North	Good	Represents a group of 4 mature trees consisting of 1 x Ash, 1 x Scots Pine and 2 x Norway Maple displaying overall good condition. These trees are contained within private property.	M	No works required	retain	B2	3.5m (circa)	20+
T_0416	Group 38 x 25 P	Mountain Ash Rhus Glabra Sumac Cherry								Good	Represents a group of 25 semi-mature trees consisting of Mountain Ash, Sumac and Cherry displaying overall good condition. These trees are located within a private apartment complex at the junction of Mount Merrion Avenue and Blackrock Road.	SM	No works required	Retain	C2		20+
T_0417	Group 21 x 7 P	Cherry	8	180	2	2	2	2	2m North	Good	Represents 6 mature Cherry displaying overall good condition. These trees are located within a private residential home.	M	No works required	retain	B2	2.8m	10+
T_0418	Group 32 x 14 P	Cherry	10	250	2	2	2	2	2m North	Good	Represents a row of semi-mature trees consisting of Birch and Beech displaying overall good condition	M	No works required	retain	B2	3.5m	20+

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0419	Group 23 x 9 P	Ash	8	200	2	2	2	2	2m North	Good	Represents 9 early mature Ash displaying overall good condition. These trees are located on the grounds of St. Oliver's Nursing Home.	EM	No works required	retain	B2	3.0m	20+
T_0420	Group 24 x 12 *P	Pinus Pine	3		0.5	0.5	0.5	0.5	1m North	Good	Represents a row of 12 semi-mature Pine displaying overall good condition	SM	No works required	retain	C2		20+
T_0421	Group 25 x 5 P	Cupressus x Leylandii Leyland Cypress Sycamore	14		2	2	2	2	0.5m North	Good	Represents a mixed group of 5 mature trees, predominantly of Leyland Cypress and 1 x Sycamore	M	No works required	retain	C2		20+
T_0422	Group 26	Sycamore Elm Populus Poplar	8		2	2	2	2	1m East	Good	Represents a mixed deciduous group of mature trees consisting predominantly of Sycamore, Elm and Poplar displaying overall good condition. These trees are located inside the wall of Booterstown Nature Reserve. They create good screening between the Reserve and the Dart Line.	M	No works required	Retain	B2		20+
T_0423	Group 27 x 7	Sycamore	12		2	2	2	2	2m East	Good	Represents 7 mature Sycamore displaying overall good condition. These trees are located inside Booderstown Nature Reserve.	M	No works required	retain	B2		20+
T_0424	T 68 x 3 P	Robinia Pseudoacacia Robinia	3	60	0.5	0.5	0.5	0.5	2m North	Good	Represents 3 young Robinia displaying overall good condition	Y	No works required	retain	C2	1.0m	20+

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0425	T77 x 3 P	Ash Sycamore	12	200 (circa)	2	2	2	2	2m North	Good	Represents 3 mature trees consisting of 1 x Ash and 2 x Sycamore displaying overall good condition	M	No works required	Retain	B2	3.0m (circa)	20+
T_0426	T78 P	Taxus Baccata Yew	14	300	2	2	2	2	2m North	Good	A large mature Yew displaying overall good condition	M	No works required	retain	A2	4.0m	40+
T_0427	T79 x 2 *P	Polyscias Murrayi Pencil Cedar	12		0.2	0.2	0.2	0.2	0.2m East	Good	Represents 2 mature Pencil Cedar displaying overall good condition	M	No works required	retain	B2		20+
T_0428	T80 x 3 P	Beech	12	200	1	1	1	1	2m North	Good	Represents 3 early mature Beech displaying overall good condition	EM	No works required	No works	B2	3.0m	20+
T_0429	T81 x 3 P	Lime	14	280	2	2	2	2	2m North	Good	Represents 3 mature Lime displaying overall good condition. These are located in Mount Sian Apartment Block	M	No works required	No works	B2	3.8m	20+
T_0430	T82 P	Ash	4	750	1	1	1	1	0.5m North	Fair	A semi-mature Ash displaying overall fair condition. This tree is on private property at 78 Temple Road	SM	No works required	Retain	C2	8.5m	10+
T_0431	T83 P	Silver Birch	8	180	2	2	2	2	3m North	Good	An early mature Silver Birch displaying overall good condition	EM	No works required	Retain	B2	2.8m	20+
T_0432	T84 x 2 P	Field Maple	4	140	1	1	1	1	2m North	Good	Represents 2 semi-mature Field Maple displaying overall good condition	SM	No works required	Retain	C2	2.4m	20+
T_0433	T85 P	Elm	18		3	3	3	3	2m North	Good	A large mature multi-stemmed Elm displaying overall good condition	M	No works required	Retain	B2		20+

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0434	T86 x 2 P	Whitebeam Purple Plum	6	150	2	2	2	2	1m North	Good	Represents 2 early mature trees consisting of a Whitebeam and a Purple Plum displaying overall good condition	EM	No works required	Retain	B2	2.5m	20+
T_0435	T69 P	Pinus Nigra Austrian Pine	16	600	4	4	4	4	8m North	Good	A mature Austrian Pine displaying overall good condition	M	No works required	retain	B2	7.0m	40+
T_0436	T87 x 2 P	Silver Birch	10	180	2	2	2	2	2m North	Good	Represents 2 early mature Silver Birch displaying overall good condition	EM	No works required	Retain	B2	2.8m	20+
T_0437	T88 x 4 P	Lawson Cypress Silver Birch Willow	16	200 (circa)	3	3	3	3	4m North	Good	Represents 4 mature trees consisting of Lawson Cypress, Silver Birch and 2 x Willow displaying overall good condition. These trees are located on private property behind a 6 foot wall	M	No works required	Retain	B2	3.0m (circa)	20+
T_0438	T89 x 2 P	Cherry	5		2	2	2	2	0.5m North	Fair	Represents 2 semi-mature Cherry displaying overall fair condition. These trees have been heavily pruned in the past	SM	No works required	Retain	C2		10
T_0439	T90 x4 P	Holm Oak Lime Copper Beech Norway Maple	20	500	2	2	2	2	2m North	Good	Represents 4 mature trees consisting of a Holm Oak, a Lime, a Copper Beech and a Norway Maple displaying overall good condition. These trees are located just inside the gate of the Daughter of Charity	M	No works required	Retain	B2	6.0m	20+

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0440	T91 P	Sycamore Horse Chestnut Elm Poplar Lawson Cypress	20	500	3	3	3	3	2m North	Good	Represents a row of mature trees consisting of Sycamore, Horse Chestnut, Elm, Poplar but is predominantly a hedgerow of Lawson Cypress displaying overall good condition. These are boundary trees located along the Temple Road side of the Daughters of Charity	M	No works required	Retain	B2	6m	20+
T_0441	T92 P	Cherry	20	300	3	3	3	3	2m north	Good	A large mature cherry on private grounds	M	Remove	Remove to facilitate works	B2	4m	20+
T_0442	T70 P	Sycamore	18	700	4	4	4	4	3m North	Good	A large mature Sycamore displaying overall good condition	M	No works required	retain	A2	8.0m	20+
T_0443	T71 P	Chamaecyparis Lawsoniana Lawson Cypress	16	350	2	2	2	2	2m North	Good	A mature Lawson Cypress displaying overall good condition. This tree is located on the grounds of St. Johns Church.	M	No works required	retain	B2	4.5m	20+
T_0444	T72 P	Malus Domestica Apple	6	150	3	3	3	3	0.5m North	Good	An early mature Apple displaying overall good condition	EM	No works required	Retain	B2	2.5m	20+
T_0445	T73 x 4 P	Juniperus Juniper Sycamore Lime	14	400 (circa)	2	2	2	2	2m North	Good	Represents 4 mature trees consisting of a Juniper, 2 x Sycamore and a Lime displaying overall good condition	M	No works required	Retain	B2	5.0m (circa)	20+
T_0446	T74 P	Sycamore	16	600 (circa)	4	4	4	4	4m North	Good	A large mature Sycamore displaying overall good condition	M	No works required	Retain	B2	7.0m (circa)	20+

Tree No.	Tag #	Species	HT (m)	DBH (mm)	CR. Sp. N	Cr. Sp. S	Cr. Sp. E	Cr. Sp. W	Cr clearance & Dir.	Physiological / Structural Condition	Condition comments	Life stage	PMR	Works to facilitate dev.	Cat.	RPA Radius (m)	Est. Remaining yrs
T_0447	T75 P	Sycamore	18	350 (circa)	2	2	4	4	3m North	Good	A mature multi-stemmed Sycamore displaying overall good condition	M	No works required	Retain	B2	4.5m (circa)	20+
T_0448	T76 x 2 P	Ash	4	120	2	2	2	2	0.5m North	Good	Represents 2 semi-mature Ash displaying overall good condition	SM	No works required	Retain	C2	2.2m	20+

Appendix B

Arboricultural Method Statement

B1 Arboricultural Method Statement Overview

This Arboricultural Method Statement details the specification for tree protection measures and how sensitive operations are to be achieved in proximity to trees to be retained. It also addresses the general management of site activities to ensure that retained trees are not inadvertently damaged.

This document may need to be amended to reflect more detailed or updated information as it becomes available. The final agreed version must be read in conjunction with the final Tree Protection Plan (to be developed) and copies of both documents must be permanently available on site for reference throughout the works. No changes may take place to the content or application of the Method Statement without the prior written approval of the Project Arboriculturist

When planning permission is in place, some details (including changes in layout, services, materials, tree protection measures and the order of works) may be subject to change. No changes should be enacted without the prior written approval of the Project Arboriculturist. The Method Statement must be reviewed in advance of the commencement.

B2 Pre commencement site meeting

Prior to the commencement of works on site a meeting must take place including the contractor and the Project Arboriculturist. This meeting will allow a further discussion of the programme of works, tree protection measures, the locations of the areas for storage/site organisation and the agreement of any changes to the Method Statement which will then be formally updated and approved as required.

B3 Order of operations

1 Pre commencement Site meeting;

2 Preliminary tree works;

3 Site briefing for Site personnel;

4 Installation of protective fencing and ground protection as required;

5 Demolition and enabling works including utility diversions;

6 Re-adjustment of protective fencing and ground protection as required;

7 Construction operations;

8 Re-adjustment of protective fencing and ground protection as required;

9 Installation of new hard surfaces and hard landscaping;

10 Site signed off on agreed completion of significant development works;

11 Dismantling of tree protection measures;

12 Soft landscaping works within the Root Protection Area (RPA) of retained trees;

B4 Preliminary tree works

All approved tree works are to be completed by suitably qualified and insured contractors and must take place before protective fencing is installed and any Site works begin.

All tree works must be carried out in line with the principles of BS3998: 2010 Tree work – recommendations and be conducted in such a way that no damage is caused to any tree to be retained. The tree works contractor must avoid the production of ruts on unmade ground.

A tree works specification which identifies trees to be felled or pruned is included in the schedule in Appendix A.

Due to the extensive nature of the Site and the potential for tree growth in the period between planning and construction, prior to the commencement of works on a given area of the Site a walkover must be undertaken by the Site team including the Project Arboriculturist to determine if any additional tree works are likely to be required to facilitate the development.

If further additional tree works are deemed to be required during the construction period, the advice of the Project Arboriculturist is to be obtained. No tree works are to take place without the consent of the Project Arboriculturist.

Prior to the commencement of any tree works a thorough check for protected species (including nesting birds, bats and badgers) is to be undertaken. If evidence of any protected species is discovered the advice of a suitably qualified ecologist must be obtained. Tree works are to be undertaken outside of the typical nesting bird season (March to September).

Outside of this period any individual trees will be inspected for evidence of nesting birds by a suitably qualified person prior to works being carried out.

B5 Site briefing

The Site Manager is responsible for ensuring that all personnel are made fully aware of the constraints posed by retained trees on site and the measures in place to ensure they are protected, including having full on-site access to the Arboricultural Method Statement and Tree Protection Plan (TPP). It is good practice for the Project Arboriculturist to be involved in the site briefing to ensure all constraints and tree protection measures are clearly understood.

B6 Site monitoring

Site monitoring shall be established to guide contractors on Site, ensure that tree protection measures are implemented and adhered to.

This includes site visits by the Project Arboriculturist to confirm the correct installation of protective fencing, to oversee sensitive elements of works within the RPA of retained trees and to sign off the site when works are complete before fencing can be dismantled.

The frequency of Site monitoring will be agreed in writing before works begin on Site (but is recommended to be at least every four weeks in addition to ad hoc monitoring of particularly sensitive operations near retained trees as required). An example Site monitoring form is included as Appendix D.

B7 Toolbox talk

A toolbox talk should be provided to Site workers to highlight the need for safe driving of plant and working within the defined corridor to ensure that accidents and resulting potential damage to trees not covered by tree protection measures are eliminated. A copy of the TPP should be used in the process of explaining to all personal the requirements required to ensure retained trees are not damaged and copies of both the TPP and this Method Statement must be available in the Site office at all times.

B8 Protective fencing

In many areas of the Site the works are contained within the existing highway boundary bordered by existing walls or fencing and surrounded by hard surfacing. In such cases no additional tree protection fencing is likely to be required.

Where retained trees are at risk of damage, the default position as set out by BS 5837:2012 is that retained trees must be protected from construction operations with the erection of robust protective fencing positioned on the outer edge of the RPA or crown spread (whichever is greatest).

All site operations will be restricted to the area outside of tree protection fencing and this area will form a Construction Exclusion Zone (CEZ) unless agreed otherwise. Protection measures will be installed as set out in the Tree Protection Plan.

The area inside the fence and any additional tree protection measures will be sacrosanct and must not be removed or altered without the prior approval of the Project Arboriculturist. Any damage to tree protection measures must be reported immediately.

Default Specification:

Fencing shall be constructed with robust vertical and horizontal scaffold framework with weldmesh panels firmly attached in accordance with BS 5837:2012 Figure 2. Vertical support poles and bracing poles must be located with care to avoid underground utility services and will be sited to avoid the structural roots of retained trees. Where driven supports are not practicable due to the presence of roots or underground utilities block trays, counterweights or equivalent can be utilised.

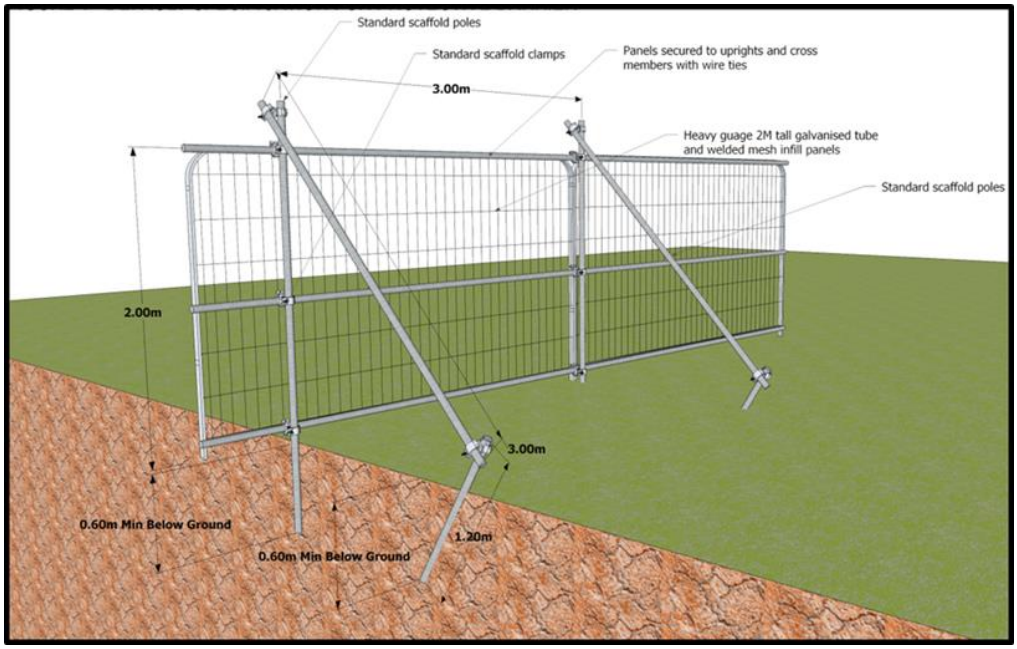

Figure 4: Default specification for tree protection barrier in accordance with BS5837:2012 figure 2

Alternative equivalent robust and immovable fencing specification including site hoarding will also be appropriate.

Suitable all-weather signage will be fixed to fencing to notify site staff and visitors of the CEZ and its purpose (example included as Appendix E).

When entering and exiting the site, the fencing contractor must avoid the production of ruts on the unprotected surface of the ground.

Protective fencing and ground protection shall stay in place until all construction operations are completed and removal is agreed with the Project Arboriculturist.

Chestnut Paling Stem/Limb Wrapping:

Where tree stem or the limbs of trees are at risk of damage (e.g., where plant is unavoidably operating in proximity) they will be protected with a double layer of hessian, carpet felt or equivalent cushioning material, and a double layer of chestnut paling fencing or equivalent hardwood batons secured with wire which is to be wrapped around the stem or branch and must not be pinned or attached to the tree itself. Measures must be removed following completion of works.

B9 Ground protection

Existing hard surfacing will act as fit for purpose ground protection where it is to be retained within the RPA of retained trees. For existing areas of unsurfaced ground within RPAs where construction access is unavoidable, ground protection

will be required to protect the structure of the soil from compaction. This should also apply to areas for new tree planting.

As set out in section 6.2.3.3 of BS5837:2012 the following ground protection measures will be appropriate:

- Suitable ground protection for pedestrian only access will comprise a single thickness of scaffold boards set on a compressible layer of 100mm of woodchip on a geotextile separation layer.
- Pedestrian operated plant up to two tonnes in weight will require the use of a proprietary ground protection system (such as Ground Guards, Eki mats, Eve Trakway or equivalent) set on a minimum depth of 150mm woodchip or sharp sand.
- Heavier loads will require ground protection to an engineering specification in conjunction with arboricultural advice.

As a guide, the threshold beyond which root development is significantly affected is a bulk density ranging from 1.4g per cm3 for clay soils, to 1.75g per cm3 for sandy soils.

B10 Carriageway widening into footway or verge

Where the carriageway is to be widened into the existing footway or verge within the RPA of a retained tree, this must be supervised by the Project Arboriculturist.

The outer extent of the required excavation (nearest to the tree) should be carefully excavated by hand to allow roots to be assessed and pruned as necessary. Exposed roots must be covered with hessian sacking or equivalent. The existing kerb edging and haunching can then be very carefully removed with an excavator working from the existing carriageway, reaching towards the tree and working backwards, reverting to working using hand tools in areas close to retained tree roots as required.

New edging must have the thinnest profile and extent of haunching practicable and pinned alternatives will be applied where practicable. Backfill is to utilise the excavated parent material to replicate the original soil profile.

The sub-base for replacement hard surfacing (where required) must be hand tamped only to prevent significant compaction of the underlying soil.

B11 Footway or verge widening into existing carriageway

Where the footway is to be widened into the existing carriageway, the existing kerb will need to be carefully removed under arboricultural supervision. Kerb stones must be removed using hand tools including pneumatic breakers. Plant positioned on the carriageway can lift out kerb sections using slings. Haunching must be carefully broken out by hand. Any exposed roots must then be covered with soil or hessian to prevent drying out. There will be no constraint on new edging or haunching as it will sit within or above the existing build-up of the carriageway where no roots are present. Backfill must utilise good quality topsoil where the verge is being widened. Where the footway is being widened the new section of the footway can be constructed using a standard methodology providing that the sub-base of the existing footway is retained intact and undisturbed.

B12 Removal and/or replacement of an existing hard surface within an RPA

At the time of writing, the full extent of resurfacing has not been fully determined but there is a potential for extensive areas of resurfacing across the Scheme. Where resurfacing is required within the RPA of a retained tree the following principles will apply:

Replacement hard surfacing on top of existing surface:

Where practicable, the new hard surface is to be installed on top of the existing surface and the existing edging is to be retained intact.

Removal of existing surface (wearing course):

Before work commences, the Project Arboriculturist will assess the potential for significant roots immediately below the wearing course and in such areas, all works must be achieved by hand. The wearing course must be removed with hand tools (including a handheld pneumatic breaker where required). The existing surface must be 'rolled back' with contractors working from the existing hard surface and with pedestrian only access on the exposed sub-base. With the prior agreement of the Project Arboriculturist, it will be acceptable to use light tracked machinery such as a mini excavator with an untoothed bucket to assist with the removal of the existing surfacing where this can be achieved without damage to any significant roots beneath.

Machinery must work from existing hard standing only. Where surface roots are obviously present (and at the junction between hard and soft ground) surfacing is to be removed by hand only.

Restoring hard surfacing to soft ground:

Following the removal of the wearing course the sub-base is to be broken up using hand tools via pedestrian access only. Materials must be removed using wheelbarrows or via hand loading of long reach machinery positioned on adjacent hard surfacing or ground protection. The sub-base is to be rolled back. Following removal, any low points or hollows are to be filled with sharp sand or gravel and topsoil be applied to the required level which can then be seeded or turfed as required. This area must then be completely fenced off for the remainder of the works or be otherwise protected with ground protection.

Installing replacement pedestrian or light vehicular hard surfacing on an existing sub-base.

The sub-base must be retained intact, ameliorated as required and utilised for the new surface. Levels are to be increased using inert granular fill by a maximum of 100mm. The sub-base must be hand tamped only to prevent significant compaction of the underlying soil.

Exposed roots must be treated in accordance with the guidelines in Section B19 of this Method Statement.

Following the removal of existing hard surfacing, the unprotected ground within RPAs must be immediately protected with protective fencing and/or ground protection (where access is required) as set out in Section B9 to ensure that the structure of the soil and tree roots are protected.

Pedestrian only access onto the exposed and retained sub-base will be acceptable to allow the installation of replacement hard surfacing. The new surface should be laid as soon as practicable.

Any exposed roots greater than 25mm in diameter must be assessed by the Project Arboriculturist.

If roots which are to be retained are exposed at ground level these should be covered with a thin layer of sharp sand and adjacent levels built up around it. This layer must not be significantly compacted, and hand tamped only.

Installing replacement heavy vehicular hard surfacing on an existing sub-base:

The sub-base must be retained intact, ameliorated as required and utilised for the new surface. Exposed roots are unlikely to be encountered due to the heavily engineered sub-base of the existing surface. Where encountered any roots must be treated in accordance with the guidelines in Section B19 of this Method Statement. The new surface must be rolled out working from the existing sub-base only.

Surfacing operations are to be conducted solely from the existing footprint of the road. Access beyond the footprint will be restricted with Tree Protection Barriers as necessary.

Edging:

Existing edging within the RPA of a retained tree will be retained intact and used as the edging for the new surface.

Where the removal of existing edging is unavoidable within an RPA, this will be removed carefully by hand under the supervision of the Project Arboriculturist.

Plant positioned outside of the RPA, or on existing hard surfacing within the RPA, may reach in to assist in lifting edging out of its position using slings but must not be used to excavate around the edging unless otherwise agreed in advance with the Project Arboriculturist.

Where practicable, new edging must be installed without excavation using pinned alternatives. Where an excavated edge is unavoidable both the edging and any footing must have the narrowest profile practicable. Where significant roots are present, which cannot be pruned, reinforced sections of kerb acting as lintels to bridge important roots will be applied where practicable.

B13 Installation of new hard surfacing within RPAs

Very small areas of new hard surfacing in the outer RPA of a retained tree can be constructed using hand excavation supervised by the Project Arboriculturist. Due to the very small incursion within an RPA, no specialist construction measures will be required. No roots greater than 25mm in diameter will be severed without the consent of the Project Arboriculturist. Where significant roots are encountered, the methodology set out below will be applied to avoid root severance. The approach below will apply where any significant area of new surfacing is required within the RPA of a retained tree.

Three-Dimensional Load Bearing Raft:

Construction of the significant areas of new footway or cycleway hard surfacing within the RPA of retained trees shall follow ‘no dig’ principles. The surface shall be engineer designed to meet the highest expected loads, including those used for the construction of the route.

A proprietary 3D cellular confinement system will be used to allow the hard surface to be installed without excavation within RPAs.

Work will preferably be carried out in dry conditions within the period of May to October when the ground is less liable to compaction.

Existing ground vegetation shall be treated with an approved herbicide such as glyphosate, 2-3 weeks before construction takes place. Killed vegetation can then be subject to a maximum 50 mm vegetative scrape which must take place by hand. Any arisings shall be removed (if left in situ they could cause anaerobic conditions as they break down which could be detrimental to tree roots).

Any hollows must be filled with inert granular material such as sharp sand or washed no fines gravel.

Builder’s sand must not be used as this contains salts which are toxic to tree roots.

Any rocks, stumps (if present) or other protruding objects within the footprint of the load bearing surface must be removed. Stumps must be ground out below ground level. All other objects must be removed by hand.

A robust geotextile membrane must be laid out across the proposed area for the load bearing surface within the RPA. Joints must overlap by approx. 300 mm and be stapled together. This must be capable of resisting puncture by the angular stone fill, and also able to filter pollutants to prevent or reduce contamination of the soil. The load bearing surface is only required within the RPAs.

It is essential to consider the final levels of the load bearing surface which will typically be 75mm-100 mm in thickness for footway or cycleway applications plus the final wearing course (dependent on its application).

The final surface must be resistant to future growth of tree roots and also must be positioned to give a minimum clearance of 500mm from the base of a retained tree. The resulting gap can be filled with inert granular fill, if required. A three-dimensional load bearing surface which allows the lateral and horizontal movement of air and water (e.g., Cellweb or equivalent), must be fully expanded and stapled together. This is to be laid on top of the geotextile layer. This surface must be able to support the greatest expected load the surface is likely to experience (including any construction traffic).

The load bearing surface shall be 'rolled out', with construction operations beginning from outside the RPA or from existing hard standing and progressing forwards using the new load bearing surface. The load bearing surface must be filled with 4/20, 20/20 or 20/40 washed angular stone.

Edging is not typically required to stabilise the load bearing surface and the edge of the surface. If edging is required, this must be installed without excavation within RPAs. Appropriate methods would include the use of treated wooden peg and boards.

Concrete kerb stones can be cast directly onto the web if required, however all uncured concrete must be fully contained with impermeable plastic sheeting and sandbags to prevent run off into the RPA of retained trees. The use, storage and mixing of concrete must comply with the provisions set out in section B19.

Where a road edge kerb must be installed by excavation this must be of the thinnest profile practicable with the minimum extent of haunching feasible and all excavation work must be undertaken by hand with any roots managed under the guidance of the Project Arboriculturist. Alternative kerb construction may be required where significant roots are identified (such as using lintels or equivalent to bridge important roots).

The load bearing surface must have an even transition with adjacent hard surfacing or structures. This must be achieved outside of the RPA of all retained trees. Where this is not practicable, structural soil or a mixture of topsoil and sharp sand can be employed to raise levels by up to 100mm. Where levels are to be raised in excess of this height the advice of the Project Arboriculturist must be obtained.

B14 Demolition

Existing boundary walls, noise barriers, footbridges, lamp columns and other structures are to be demolished within or close to the RPA of retained trees. All demolition must be inward into the existing footprint of the structure or away from tree positions and be achieved by working backwards away from retained trees. No arisings are to fall or be stored in unsurfaced or protected areas of tree RPAs.

All plant and machinery associated with the demolition process will be positioned outside of the RPA of retained trees or on existing hard surfacing or ground protection and must operate under the guidance of a banksman where they must operate within 5m of any part of a retained tree.

Existing footings are to be retained, in situ where practicable to minimise disturbance. Where removal is unavoidable, footings within RPAs must be broken out carefully by hand, or where feasible via the careful use of plant positioned outside of RPAs or on ground protection/existing hard surfacing under the supervision of the Project Arboriculturist.

B15 Construction of New Boundary Walls

Where a new wall cannot avoid an RPA, specialist construction methods must be employed to prevent extensive root severance. Footings must utilise carefully located pads or narrow diameter piles with floating beams (at or above ground level) unless the presence of significant roots has been otherwise discounted following trial excavations under the supervision of the Project Arboriculturist.

Footings must be carefully positioned with hand dug (potentially using compressed air/soil vacuum) trial holes or trenches to identify optimal positioning to avoid significant roots.

Ground protection must be in place where repeated access is required over unsurfaced ground within an RPA.

B16 Installation of Piles

Where new piles are to be installed within or close to the RPA or retained trees the canopy of the tree is to be pruned back before any construction work commences on Site to provide a clearance of the pile head to facilitate this work. For smaller piles, smaller plant or pedestrian installation only should be applied.

Piling rigs to be sited outside of the RPA or on ground protection within an RPA and protective fencing is to be installed to maintain an exclusion zone within as much of the RPA as practicable.

The piling rig is to be positioned as far from the canopy and RPA of the tree as practicable and reach inwards.

Piles will be the lowest diameter feasible. Where piles are to be installed within the RPA of a retained tree, an initial trial hole will be excavated by hand to allow for the assessment and management of any exposed roots under the supervision of the Project Arboriculturist. Pile locations will be adjusted to avoid significant tree roots where feasible.

Pile caps within the RPA must be located above the existing ground level to minimise the level of disturbance. Beams must not bear on the existing ground level unless the presence of significant tree roots can be discounted following careful trial excavation.

B17 Movement of Vehicles and People and the Movement and Operation of Machinery

Due to the spatial constraints on site, construction works and in particular the use of machinery must be carefully coordinated to avoid damage to retained trees. A banksman must be in place for any operations which occur within 5m of any part of a retained tree. Long reach machinery with jibs, booms

or counterweights will require particular care.

Where trees are at risk of impact damage from plant that cannot be controlled with fencing or a careful working methodology, consideration must be given to any requirement for access to facilitate pruning which must be agreed in advance with the Project Arboriculturist.

B18 Site organisation, storage and mixing of materials

The area of constraint associated with retained trees within, or surrounding compounds will be fenced off as an exclusion zone at the outset.

The storage and mixing of materials and any re-fuelling shall take place at least 5m from the RPA of any retained trees and also take into account any potential for run off. Where this is an issue, measures such as bunding with robust impermeable polythene sheeting and sandbags must be put in place to prevent accidental run off reaching the rooting zone of retained trees.

No changes in ground level are permitted within the RPA of a retained tree.

No fires shall take place within an RPA or within 5m of any part of a retained tree. No signs, cables or other items are to be attached to any part of a retained tree.

B19 General principles for the management of tree roots

Where agreed excavation by hand tools or compressed air takes place within an RPA the following principles will apply:

- Individual or small groups of roots less than 25 mm in diameter will be retained where practicable but can be severed with a sharp tool such as secateurs or pruning saws to leave a clean-cut end (ideally 100mm back from the face of the excavation to account for future regrowth) where they pose an obstruction.
- Where roots are encountered which are larger than 25 mm in diameter or where significant groups of smaller roots are found, the advice of the Project Arboriculturist must be sought to decide an appropriate course of action.
- Roots must only be exposed for the minimum period practicable. In the interim period any exposed roots (including the face of any excavation within an RPA) must be completely covered with dampened hessian sacking (which may require ongoing re wetting) to avoid drying out and exposure to light. Backfill for excavations should ideally utilise the parent material and must not be significantly compacted.

B20 Installation of new lamp columns, road signs and bus shelters

Where new features such as lamp columns, road signs or bus shelters are to be installed within the RPA of a retained tree, the final position of the feature must be adjusted to give the greatest clearance of adjacent tree stems practicable and to reduce any conflict with tree branches or any requirement for pruning.

Footings must be excavated by hand or compressed air (e.g., air spade/soil vacuum) for at least the upper 0.5-1m and be adjusted to avoid significant tree roots. Footings must be the smallest dimensions feasible and utilise screw piles or equivalent where necessary. Any uncured concrete required must use the driest mix feasible and excavations must be lined with an impermeable liner to prevent uncured concrete leaching into the surrounding soil. Any cabling must be installed in accordance with the principles set out in B22.

B21 Installation of new drainage within RPAs

Drainage has been designed to avoid the RPA of retained trees as much as practicable. Solutions such as surface channels, off set chambers positioned to avoid RPAs as much as practicable and hand excavated sections of piped filter drain positioned to avoid trees roots will be utilised to further reduce impacts on adjacent trees as appropriate. Where excavation for new drainage must take place within an RPA, the method of installation will be agreed in advance with the Project Arboriculturist and will typically involve the nearest area of excavation to the tree being completed by hand or equivalent to allow significant roots to be carefully exposed and pruned. Roots will be managed in accordance with the principles set out in Section B19.

B22 Installation or diversion of utilities within RPAs

Utility diversion and new utilities have not been fully defined at this stage. The default position is that all services be located outside of the RPA of retained trees. In the context of this Site, it is not feasible to fully avoid the RPA of retained trees and therefore either trenchless installation below tree root systems or hand dug/compressed air excavation through RPAs where significant roots can be retained and worked around, will be required.

Use of trenchless techniques:

Where services can't avoid the RPA of retained trees, the primary consideration must be to install them using trenchless insertion techniques such as impact moling, direct drilling or equivalent.

Insertion and retrieval pits must be located outside of the RPA of retained trees. The depth of the run must be at least 2m below ground level and should be located as far from the tree as practicable.

The mole must be lubricated with water only.

Installation must follow the principles set out in the National Joint Utilities Group (NJUG) Vol 4: Guidelines for the planning, installation, and maintenance of utility apparatus in proximity to trees (issue 2) and BS5837 Section 7.7 and Table 3.

Replacement pipes must be installed via pipe bursting, relining or equivalent trenchless techniques where they are located within the RPA of a retained tree. Pipe bursting or relining equipment must be positioned outside of the RPA at all times.

Hand digging:

Where trenchless installation isn't feasible, shallow utility runs can be installed via hand or compressed air/soil vacuum excavation. The excavation will be located as far from the stem of the tree as practicable and must be carried out by hand (ideally using compressed air such as an Air Spade and soil vacuum) under the supervision of the Project Arboriculturist.

Pedestrian only access will be permitted, and ground protection measures as set out in Section B10 will be employed where no hard surfacing is in place, with fencing positioned immediately adjacent to restrict any further access into RPAs.

Excavation will be supervised by the Project Arboriculturist who will be on hand to advise on the management of any roots encountered and to ensure the approved tree protection methodology is fully adhered to. Roots smaller than 25mm in diameter can be cut with a clean sharp tool where they pose an obstruction.

Should significant roots (larger than 25mm diameter or large clumps of smaller roots) be encountered, these will be retained and wrapped in dampened hessian to prevent drying out and pipes will be routed around them wherever practicable. If significant roots are encountered which cannot be feasibly worked around and retained, appropriate action will be agreed with the Project Arboriculturist.

Pipes must be constructed to resist future incursion by tree roots.

All spoil/ arisings from excavation will be placed onto ground protection boards to prevent compaction, ground level changes and to assist in removal or reinstatement. Backfill is to utilise the excavated parent material where feasible, applied to restore the soil profile to its original structure (i.e., topsoil will be installed last) and must be lightly hand tamped only.

Services shall be installed following the principles set out in the National Joint Utilities Group (NJUG) Vol 4: Guidelines for the planning, installation, and maintenance of utility apparatus in proximity to trees (issue 2).

B23 Redundant utilities

Where existing services are to be removed, these must be winched out from an access/inspection chamber located outside of an RPA or left in situ.

Redundant pipework will be sealed off and will not be removed via excavation within the RPA of a retained tree.

Redundant pipework can be filled with an inert material or if confirmed to be fully watertight, may be filled with foamed concrete applied from an access point located outside the RPA of all retained trees. Concrete must be managed in accordance with section B18 of this Method Statement.

B24 Dismantling of tree protection measures

All protective fencing and ground protection must remain in place until all significant site works for a given location have been completed and approval has been obtained from the Project Arboriculturist.

Appendix C

Tree Protection Plan Drawings

- BCIDC-ARP-ENV_KP-1415_XX_00-DR-ES-0001
- BCIDC-ARP-ENV_LA-1415_XX_00-DR-ES-0001 to 0023

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b. This drawing is to be used for the design element identified in the titlebox. Other information shown is to be considered indicative only. The drawing is to be read in conjunction with all other relevant design drawings.
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Project Ireland 2040
Building Ireland's Future

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M01	04/03/2022	GMcT	BB	NH	ISSUE FOR PHASE 4: PLANNING

Client: NTA — Údarás Náisiúnta Iompair, National Transport Authority

Engineering Designer: ARUP

Programme Title: BUSCONNECTS DUBLIN
CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Drawing Title: BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME
TREE PROTECTION PLAN
KEY PLAN

Date	Scale	Drawn	Checked	Approved
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Project Code	Originator Code	QMS Code	Drawing File Name	Sheet Number	Status	Rev
BCIDC	ARP	268401-00	BCIDC-ARP-ENV_KP-1415_XX_00-DR-ES-0001	01 of 01	A	M01

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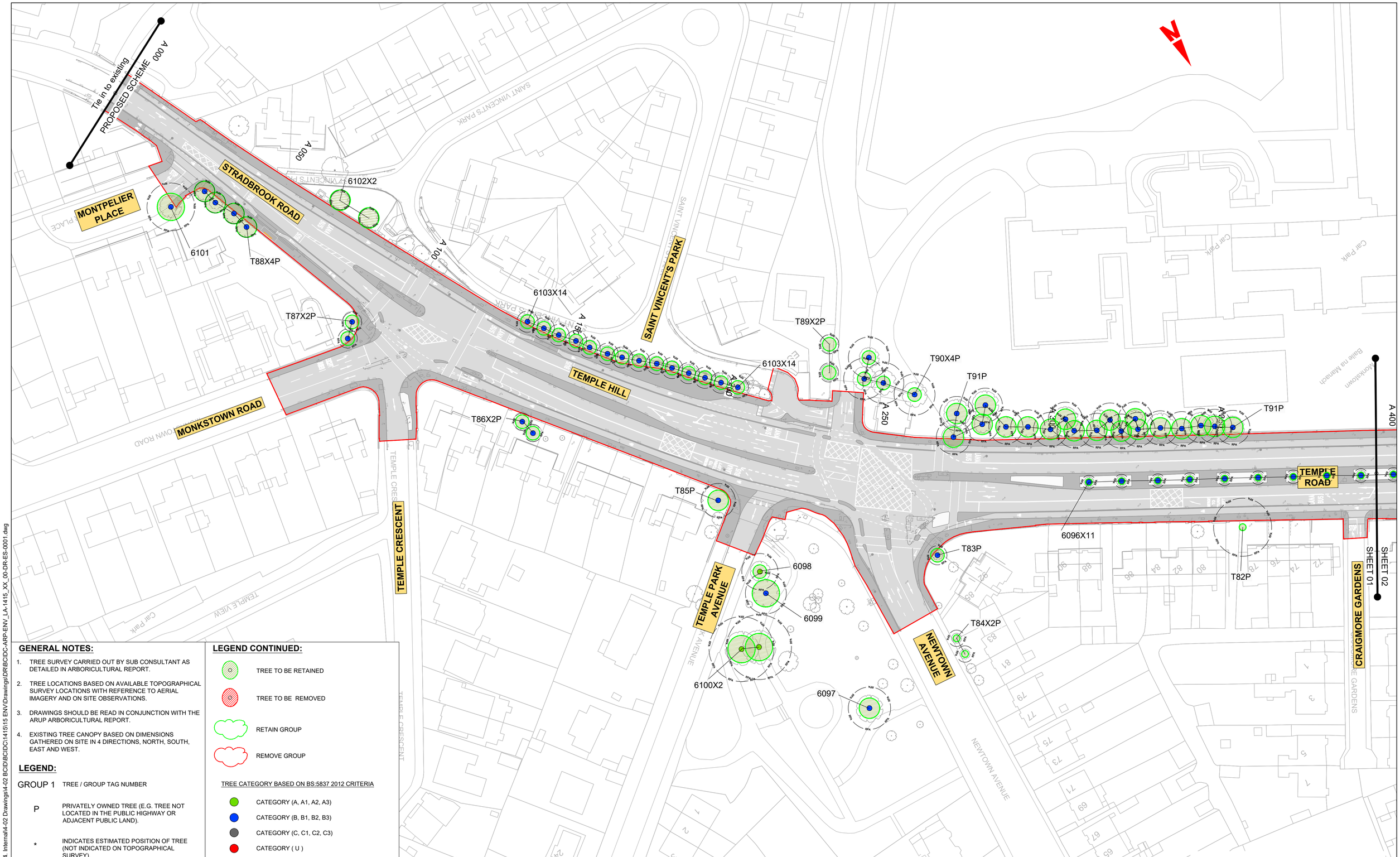

GENERAL NOTES:

1. TREE SURVEY CARRIED OUT BY SUB CONSULTANT AS DETAILED IN ARBORICULTURAL REPORT.
2. TREE LOCATIONS BASED ON AVAILABLE TOPOGRAPHICAL SURVEY LOCATIONS WITH REFERENCE TO AERIAL IMAGERY AND ON SITE OBSERVATIONS.
3. DRAWINGS SHOULD BE READ IN CONJUNCTION WITH THE ARUP ARBORICULTURAL REPORT.
4. EXISTING TREE CANOPY BASED ON DIMENSIONS GATHERED ON SITE IN 4 DIRECTIONS, NORTH, SOUTH, EAST AND WEST.

LEGEND:

GROUP 1 — TREE / GROUP TAG NUMBER

P — PRIVATELY OWNED TREE (E.G. TREE NOT LOCATED IN THE PUBLIC HIGHWAY OR ADJACENT PUBLIC LAND).

* — INDICATES ESTIMATED POSITION OF TREE (NOT INDICATED ON TOPOGRAPHICAL SURVEY).

RPA — ROOT PROTECTION AREA

LEGEND CONTINUED:

TREE TO BE RETAINED

TREE TO BE REMOVED

RETAIN GROUP

REMOVE GROUP

TREE CATEGORY BASED ON BS:5837 2012 CRITERIA

CATEGORY (A, A1, A2, A3)

CATEGORY (B, B1, B2, B3)

CATEGORY (C, C1, C2, C3)

CATEGORY (U)

SITE BOUNDARY LINE

TEMPORARY LAND ACQUISITION

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RPA — ROOT PROTECTION AREA

LEGEND CONTINUED:

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TREE TO BE REMOVED

RETAIN GROUP

REMOVE GROUP

TREE CATEGORY BASED ON BS:5837 2012 CRITERIA

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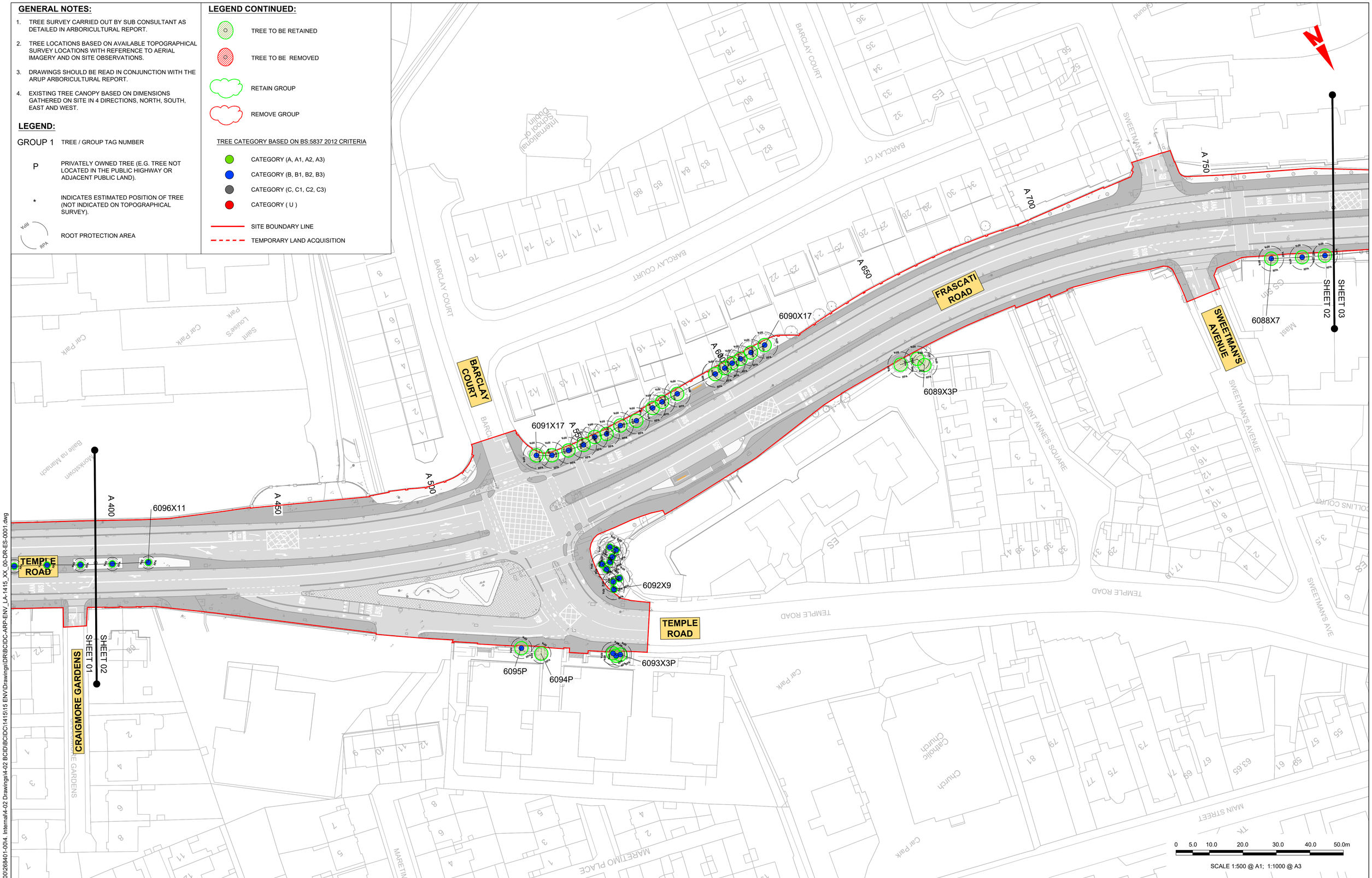

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CORE BUS CORRIDORS INFRASTRUCTURE WORKS

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TREE PROTECTION PLAN

Drawing File Name	Sheet Number	Status	Rev
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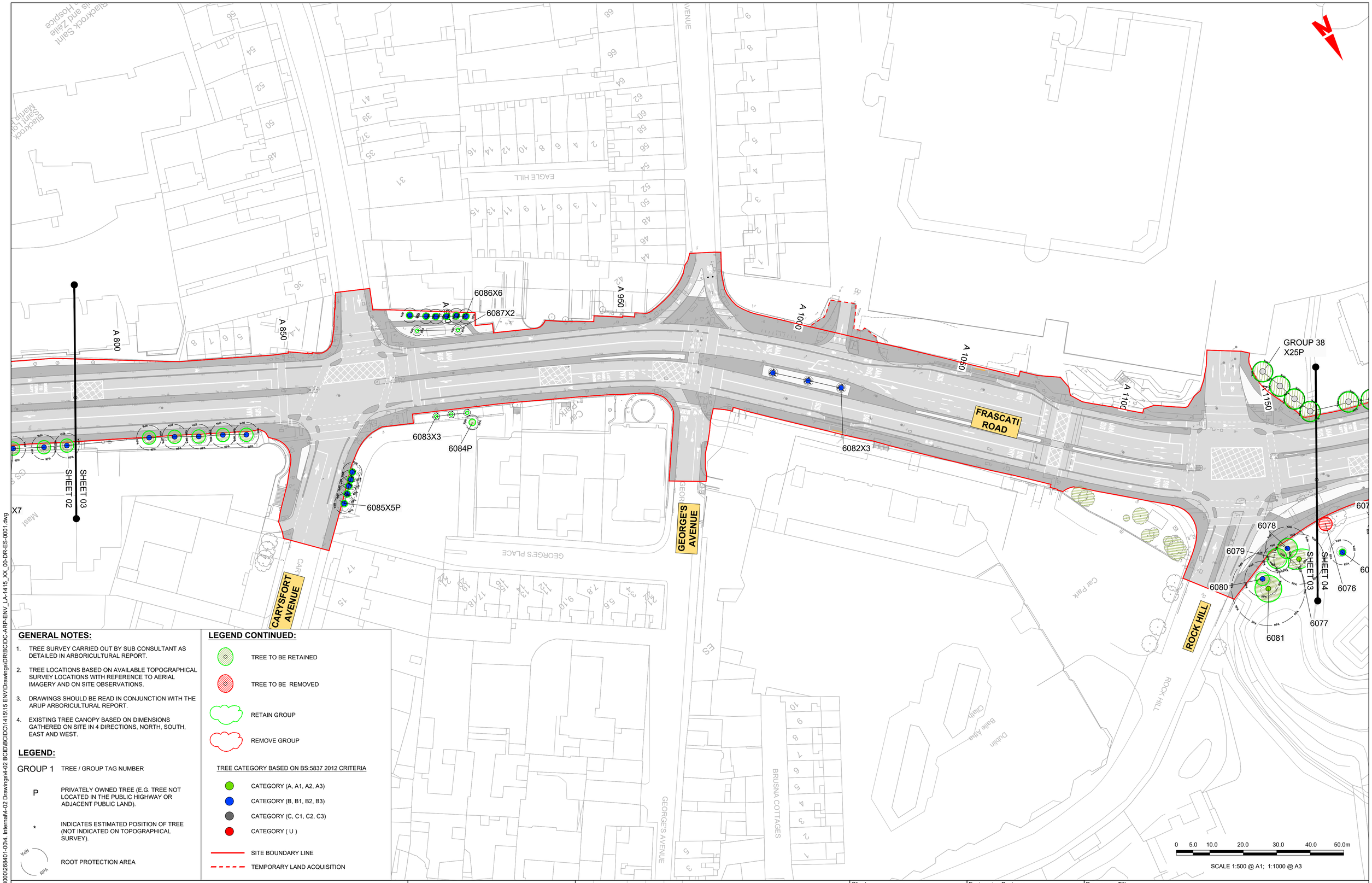

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RPA — ROOT PROTECTION AREA

LEGEND CONTINUED:

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TREE TO BE REMOVED

RETAIN GROUP

REMOVE GROUP

TREE CATEGORY BASED ON BS:5837 2012 CRITERIA

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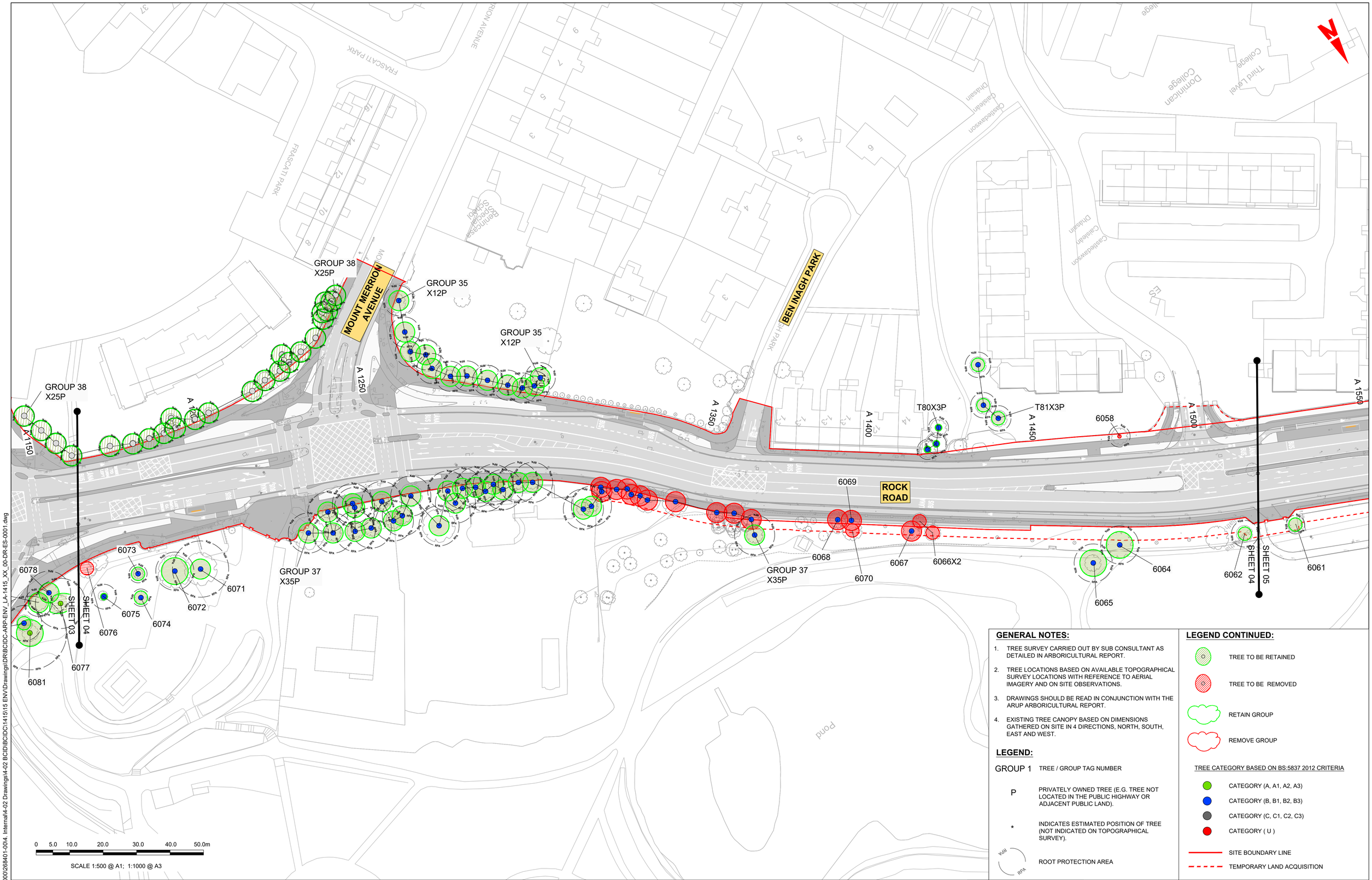

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LEGEND CONTINUED:

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- TREE TO BE REMOVED
- RETAIN GROUP
- REMOVE GROUP

TREE CATEGORY BASED ON BS:5837 2012 CRITERIA

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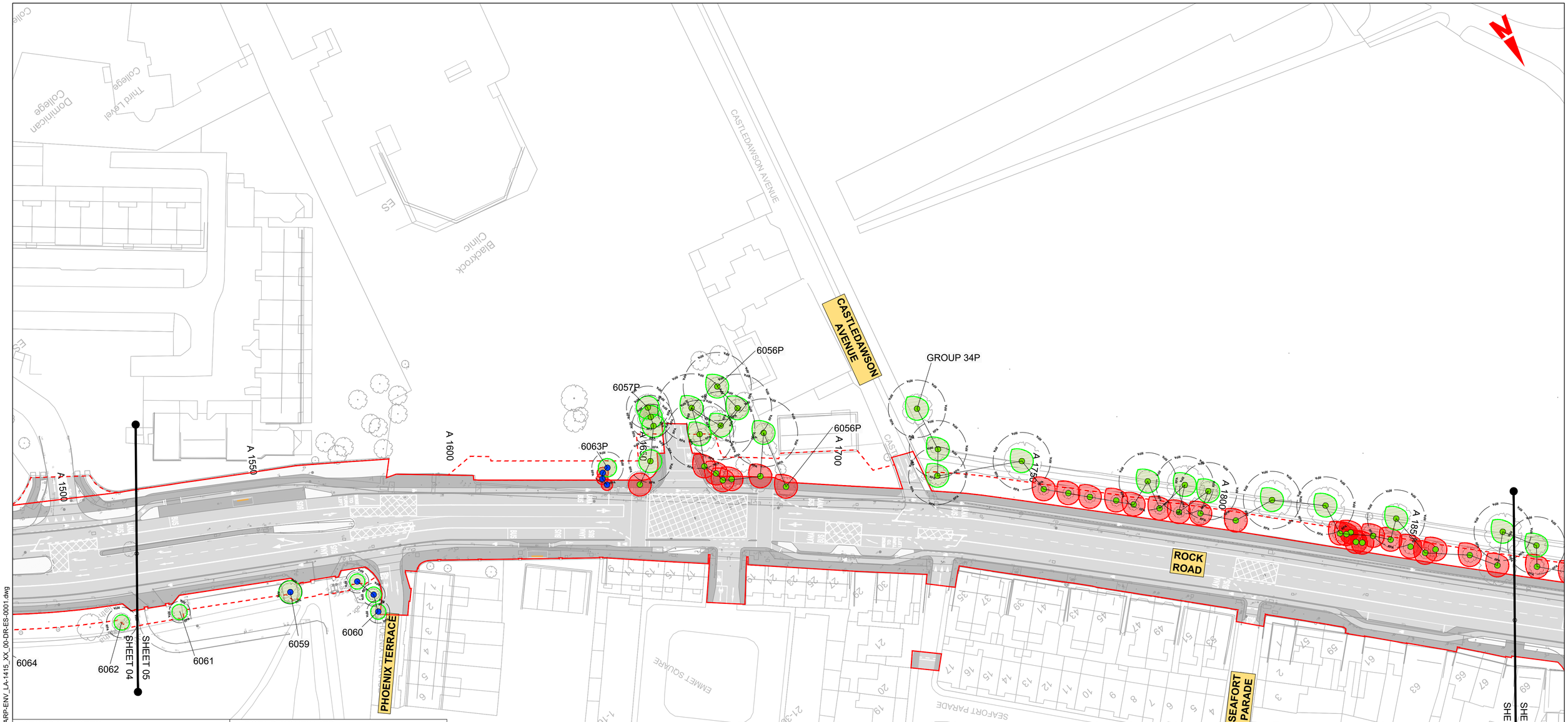

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RPA — ROOT PROTECTION AREA

LEGEND CONTINUED:

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TREE TO BE REMOVED

RETAIN GROUP

REMOVE GROUP

TREE CATEGORY BASED ON BS:5837 2012 CRITERIA

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Engineering Designer: ARUP

Date: 04/03/2022 | Scale: 1:500 @ A1, 1:1000 @ A3 | Drawn: GMcT | Checked: BB | Approved: NH

Project Code: BCIDC | Originator Code: ARP | QMS Code: 268401-00

Programme Title: BUSCONNECTS DUBLIN
CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Drawing Title: BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME
TREE PROTECTION PLAN

Drawing File Name: BCIDC-ARP-ENV_LA-1415_XX_00-DR-ES-0005 | Sheet Number: 05 of 23 | Status: A | Rev: M01

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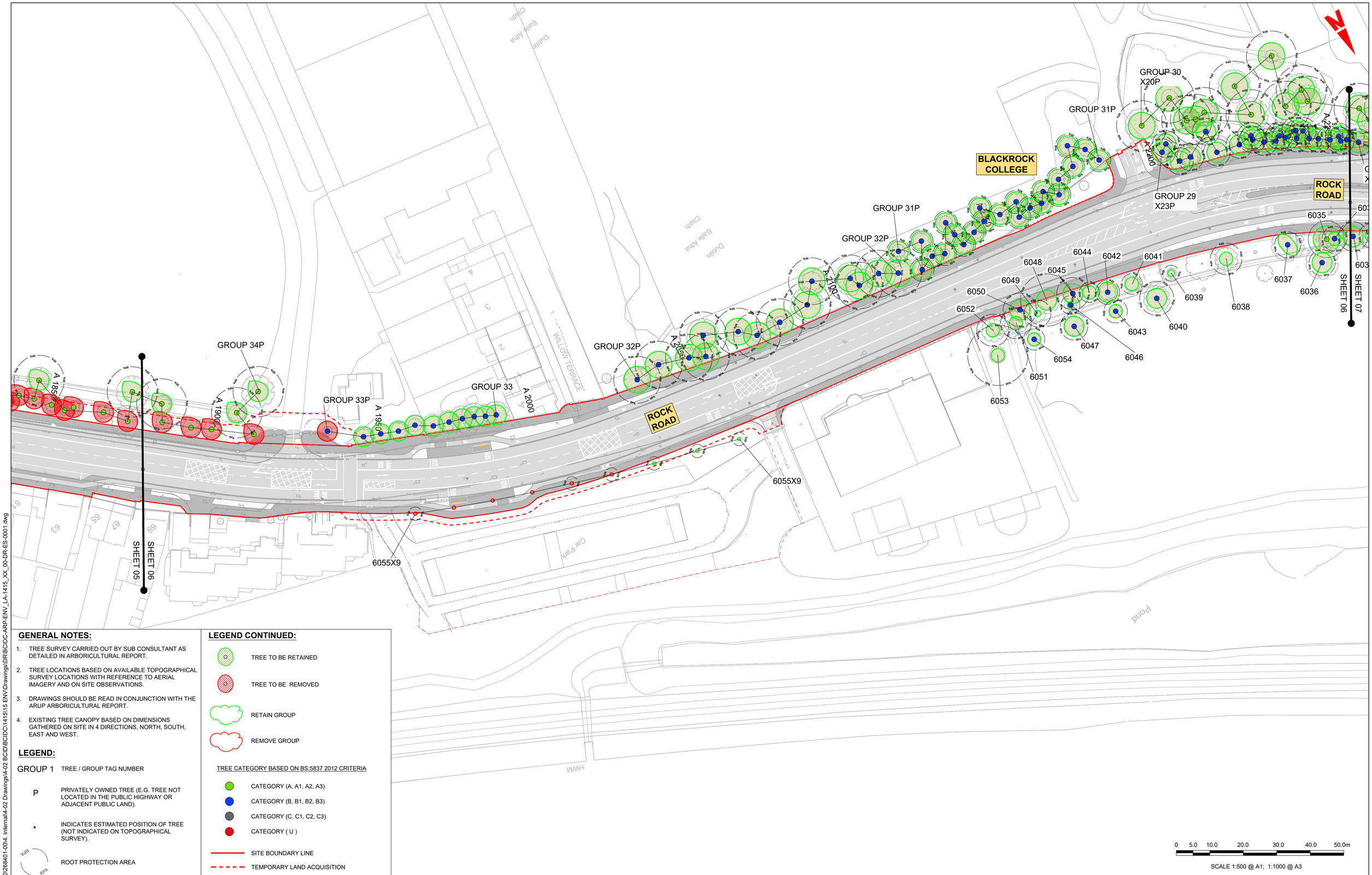

GENERAL NOTES:

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2. TREE LOCATIONS BASED ON AVAILABLE TOPOGRAPHICAL SURVEY LOCATIONS WITH REFERENCE TO AERIAL IMAGERY AND ON SITE OBSERVATIONS.
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RPA — ROOT PROTECTION AREA

LEGEND CONTINUED:

TREE TO BE RETAINED

TREE TO BE REMOVED

RETAIN GROUP

REMOVE GROUP

TREE CATEGORY BASED ON BS:5837 2012 CRITERIA

CATEGORY (A, A1, A2, A3)

CATEGORY (B, B1, B2, B3)

CATEGORY (C, C1, C2, C3)

CATEGORY (U)

SITE BOUNDARY LINE

TEMPORARY LAND ACQUISITION

0 5.0 10.0 20.0 30.0 40.0 50.0m

SCALE 1:500 @ A1; 1:1000 @ A3

Project Ireland 2040 Building Ireland's Future

Rev	Date	Drn	Chk'd	App'd	Description
M01	04/03/2022	GMcT	BB	NH	ISSUE FOR PHASE 4: PLANNING

Client: NTA — Údarás Náisiúnta Iompair, National Transport Authority

Engineering Designer: ARUP — ARBOR CARE Arboricultural Consulting Tree Service

Date	Scale	Drawn	Checked	Approved
04/03/2022	1:500 @ A1 1:1000 @ A3	GMcT	BB	NH

Project Code	Originator Code	QMS Code
BCIDC	ARP	268401-00

Programme Title: **BUSCONNECTS DUBLIN**
CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Drawing Title: BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME
TREE PROTECTION PLAN

Drawing File Name	Sheet Number	Status	Rev
BCIDC-ARP-ENV_LA-1415_XX_00-DR-ES-0006	06 of 23	A	M01

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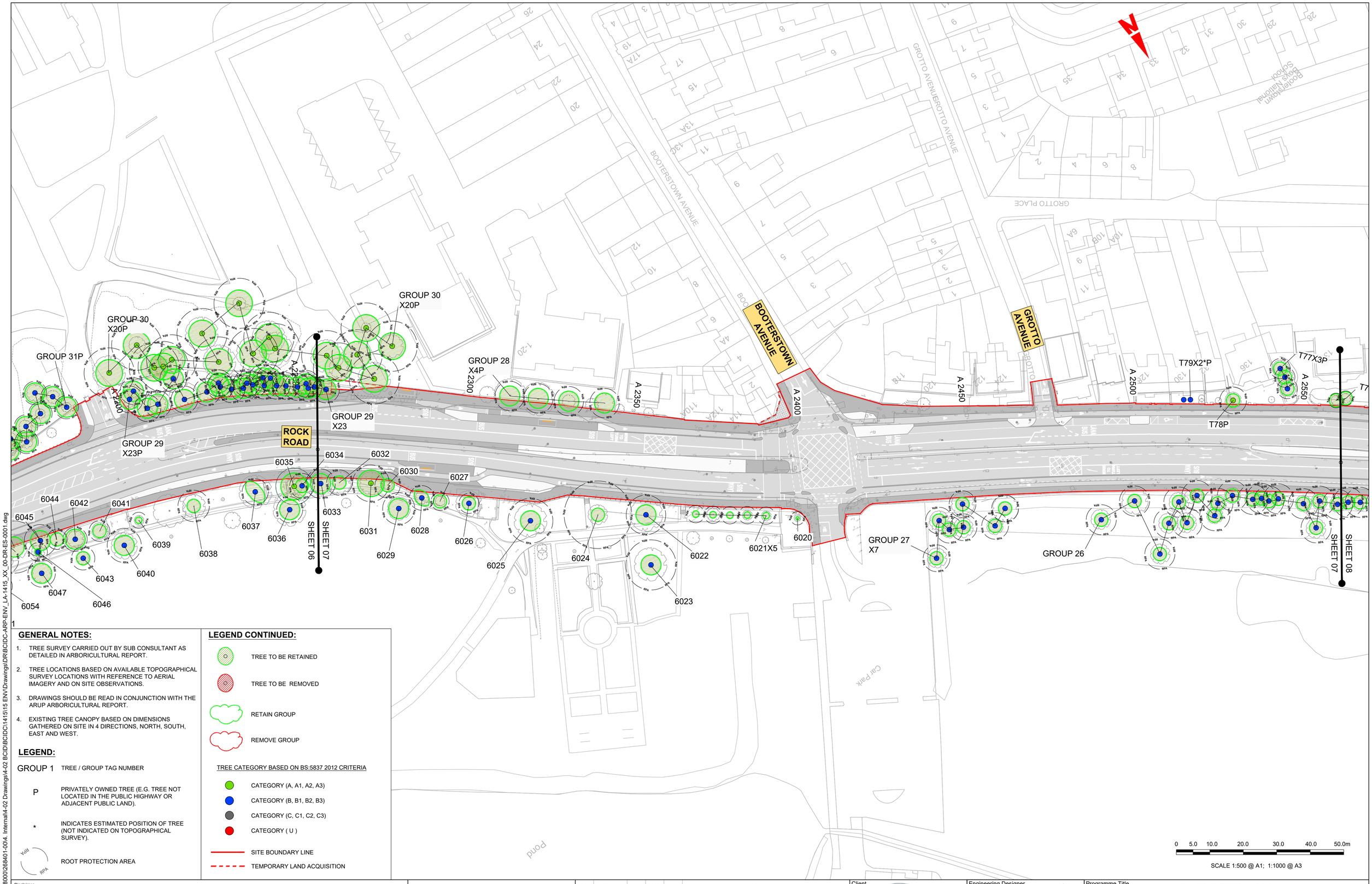

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RPA — ROOT PROTECTION AREA

LEGEND CONTINUED:

- TREE TO BE RETAINED
- TREE TO BE REMOVED
- RETAIN GROUP
- REMOVE GROUP

TREE CATEGORY BASED ON BS:5837 2012 CRITERIA

- CATEGORY (A, A1, A2, A3)
- CATEGORY (B, B1, B2, B3)
- CATEGORY (C, C1, C2, C3)
- CATEGORY (U)
- SITE BOUNDARY LINE
- TEMPORARY LAND ACQUISITION

Project Ireland 2040 — Building Ireland's Future

Rev	Date	Drn	Chk'd	App'd	Description
M01	04/03/2022	GMcT	BB	NH	ISSUE FOR PHASE 4: PLANNING

Client: NTA — Údarás Náisiúnta Iompair, National Transport Authority

Engineering Designer: ARUP; Arbor Carc — Designed Considering Care Science

Date	Scale	Drawn	Checked	Approved
04/03/2022	1:500 @ A1 1:1000 @ A3	GMcT	BB	NH

Project Code	Originator Code	QMS Code
BCIDC	ARP	268401-00

Programme Title: **BUSCONNECTS DUBLIN**
CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Drawing Title: BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME
TREE PROTECTION PLAN

Drawing File Name	Sheet Number	Status	Rev
BCIDC-ARP-ENV_LA-1415_XX_00-DR-ES-0007	07 of 23	A	M01

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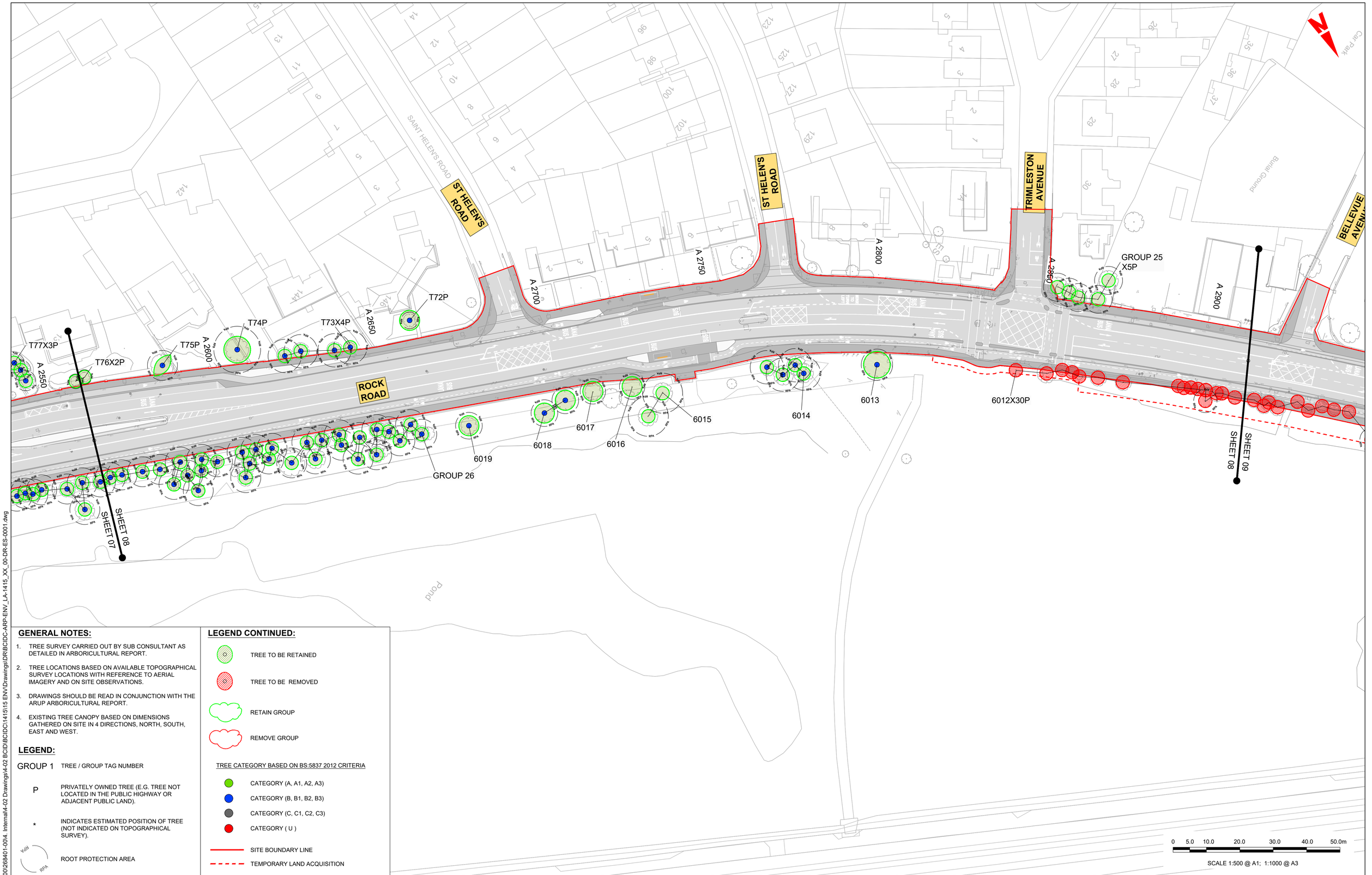

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RPA	ROOT PROTECTION AREA

LEGEND CONTINUED:

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Project Ireland 2040 Building Ireland's Future

Rev	Date	Drn	Chk'd	App'd	Description
M01	04/03/2022	GMcT	BB	NH	ISSUE FOR PHASE 4: PLANNING

Client: NTA Údarás Náisiúnta Iompair National Transport Authority
Engineering Designer: ARUP
Programme Title: BUSCONNECTS DUBLIN
CORE BUS CORRIDORS INFRASTRUCTURE WORKS
Drawing Title: BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME
TREE PROTECTION PLAN

Date: 04/03/2022	Scale: 1:500 @ A1, 1:1000 @ A3	Drawn: GMcT	Checked: BB / Approved: NH
Project Code: BCIDC	Originator Code: ARP	QMS Code: 268401-00	
Drawing File Name: BCIDC-ARP-ENV_LA-1415_XX_00-DR-ES-0008	Sheet Number: 08 of 23	Status: A	Rev: M01

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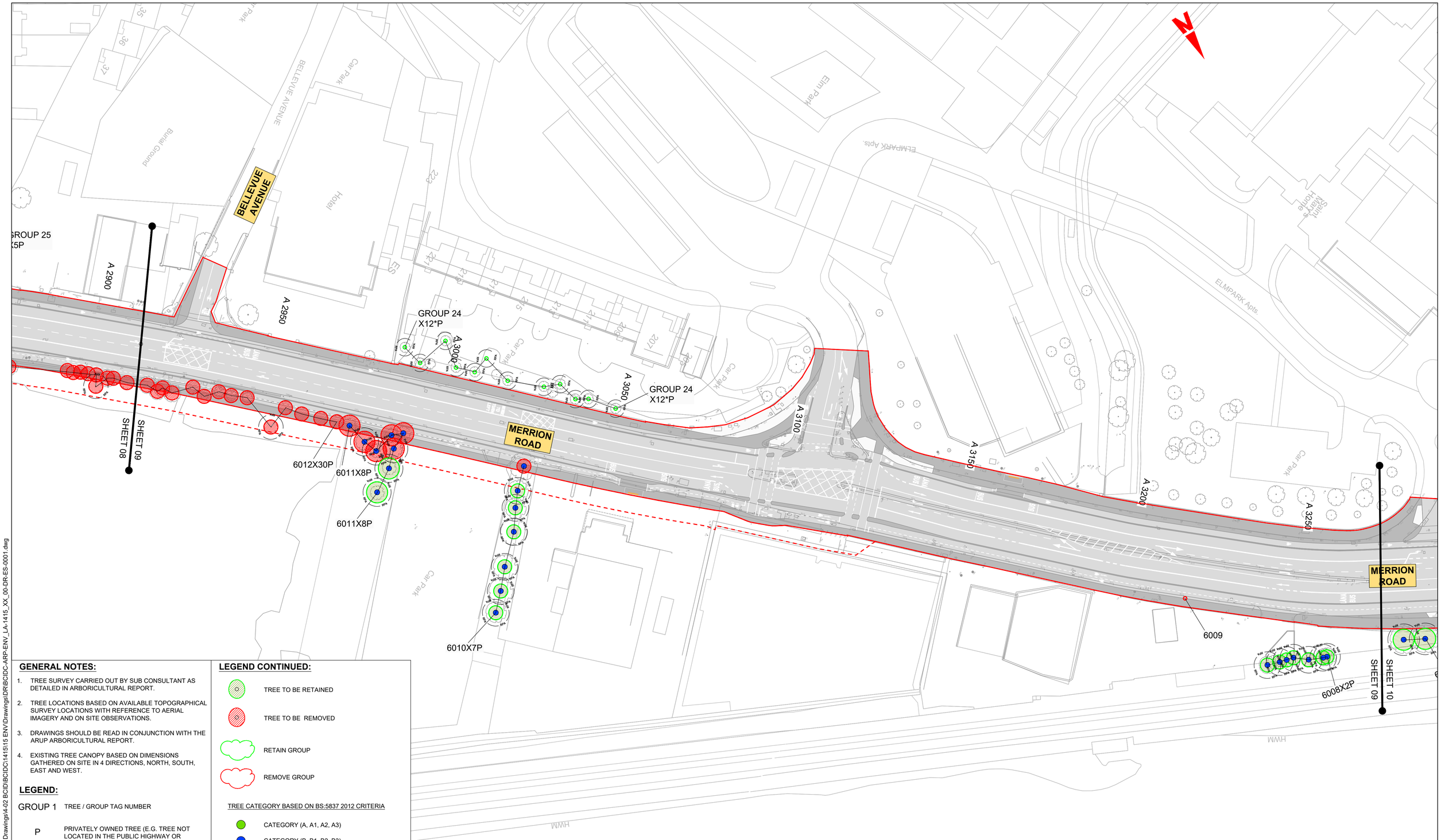

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TEMPORARY LAND ACQUISITION

Project Ireland 2040 Building Ireland's Future

Rev	Date	Drn	Chk'd	App'd	Description
M01	04/03/2022	GMcT	BB	NH	ISSUE FOR PHASE 4: PLANNING

Client: NTA — Údarás Náisiúnta Iompair, National Transport Authority

Engineering Designer: ARUP

Arbor Carc — Arboricultural Consulting Care Service

Date	Scale	Drawn	Checked	Approved
04/03/2022	1:500 @ A1 1:1000 @ A3	GMcT	BB	NH

Project Code	Originator Code	QMS Code
BCIDC	ARP	268401-00

Programme Title: **BUSCONNECTS DUBLIN**
CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Drawing Title: BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME
TREE PROTECTION PLAN

Drawing File Name	Sheet Number	Status	Rev
BCIDC-ARP-ENV_LA-1415_XX_00-DR-ES-0009	09 of 23	A	M01

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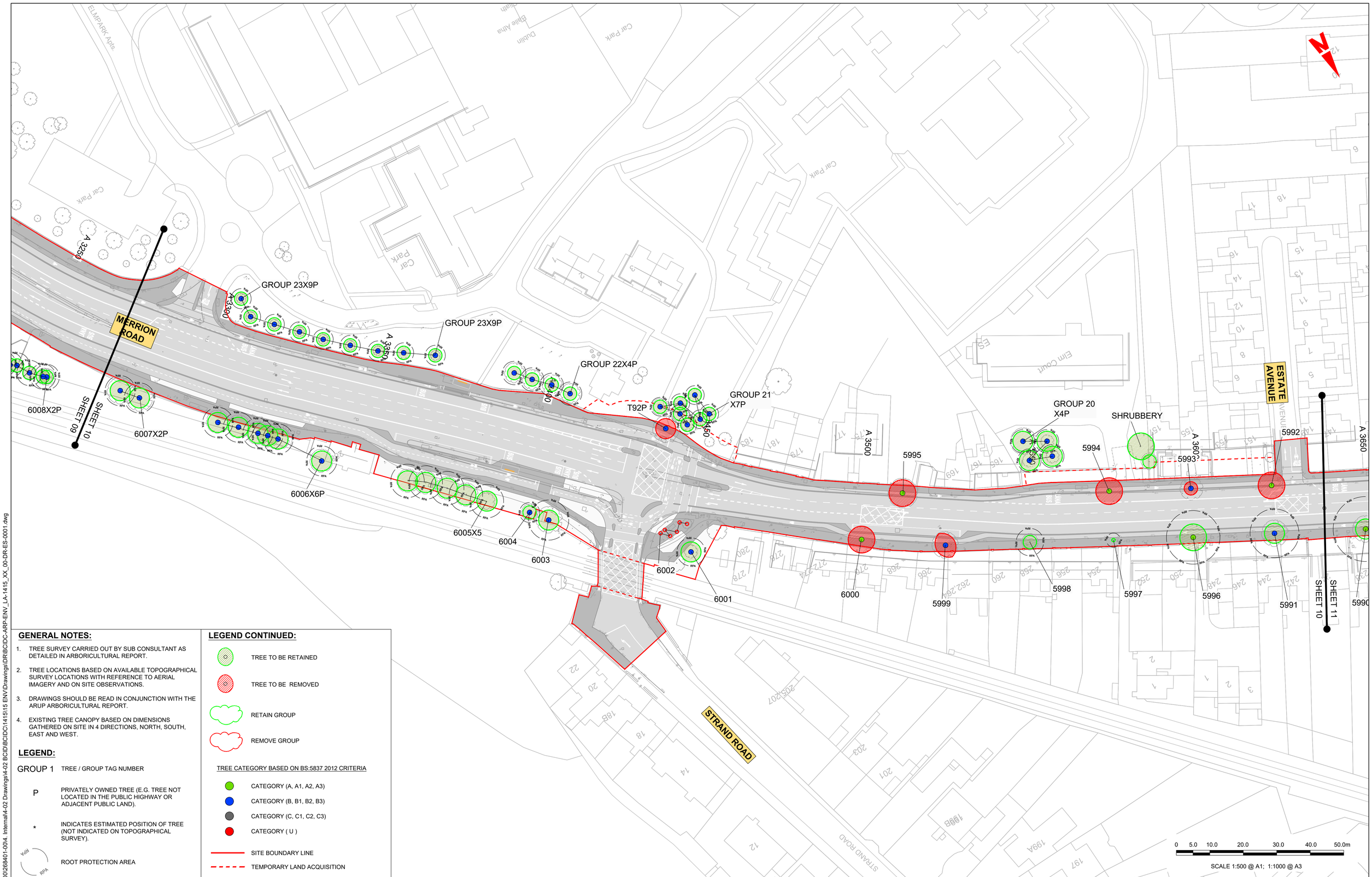

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TREE TO BE REMOVED

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Project Ireland 2040 Building Ireland's Future

Rev	Date	Drn	Chk'd	App'd	Description
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Client: NTA — Údarás Náisiúnta Iompair, National Transport Authority

Engineering Designer: ARUP

Date	Scale	Drawn	Checked	Approved
04/03/2022	1:500 @ A1 1:1000 @ A3	GMcT	BB	NH

Project Code	Originator Code	QMS Code
BCIDC	ARP	268401-00

Programme Title: BUSCONNECTS DUBLIN
CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Drawing Title: BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME
TREE PROTECTION PLAN

Drawing File Name	Sheet Number	Status	Rev
BCIDC-ARP-ENV_LA-1415_XX_00-DR-ES-0010	10 of 23	A	M01

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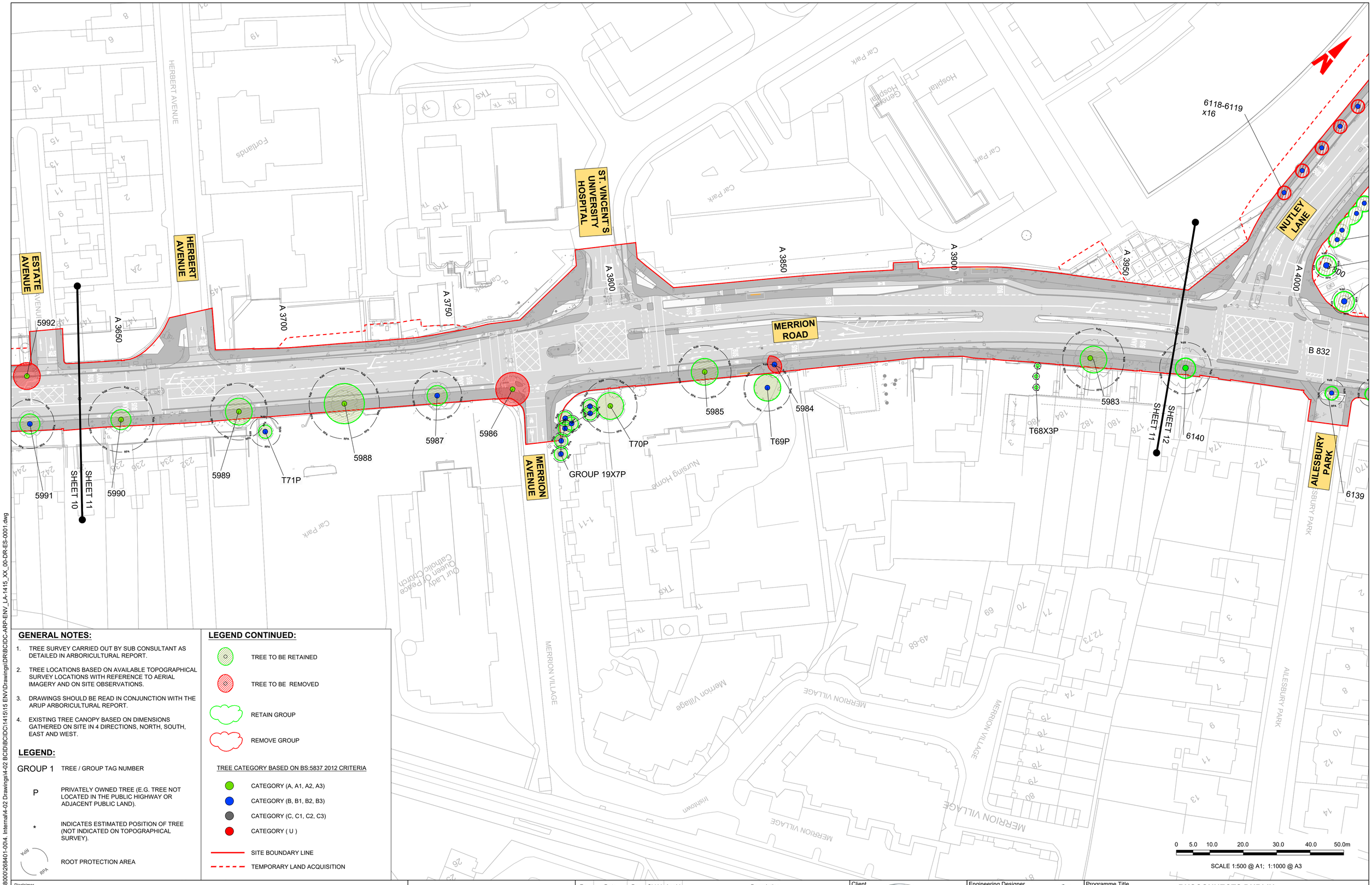

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Project Ireland 2040 Building Ireland's Future

Rev	Date	Drn	Chk'd	App'd	Description
M01	04/03/2022	GMcT	BB	NH	ISSUE FOR PHASE 4: PLANNING

Client: NTA Údarás Náisiúnta Iompair / National Transport Authority

Engineering Designer: ARUP

Date	Scale	Drawn	Checked	Approved
04/03/2022	1:500 @ A1 1:1000 @ A3	GMcT	BB	NH

Project Code	Originator Code	QMS Code
BCIDC	ARP	268401-00

Programme Title: **BUSCONNECTS DUBLIN**
CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Drawing Title: BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME
TREE PROTECTION PLAN

Drawing File Name	Sheet Number	Status	Rev
BCIDC-ARP-ENV_LA-1415_XX_00-DR-ES-0011	11 of 23	A	M01

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SITE BOUNDARY LINE

TEMPORARY LAND ACQUISITION

SHEET 23
SHEET 12
SHEET 11
SHEET 13
6143 x5
6118-6119 x16
GROUP 2 x8P
6141 x2P
6120
6121
GROUP 1 X11P
6123
6124
6125
6126
6162
6161
6163
6122
6134
6135
6140
6139
6138
6137
6136 x2
GROUP 12*
6131
6130
6132*
6127*
6129
6160
6128 x4
6159
6158
NUTLEY LANE
AILESBURY PARK
SYDNEY PARADE AVENUE
MERRION ROAD
AILESBURY ROAD
MERRION VIEW AVENUE
The Merrion Shopping Centre
Saint Michael's College
Brookfield Court
Merrion Court
Embassy Of Pakistan
Dutch Embassy
B 700
B 750
B 832
A 4000
A 4050
A 4100
A 4150
A 4200
A 4250
A 4300
A 4350

0 5.0 10.0 20.0 30.0 40.0 50.0m

SCALE 1:500 @ A1; 1:1000 @ A3

Project Ireland 2040 — Building Ireland's Future

Rev	Date	Drn	Chk'd	App'd	Description
M01	04/03/2022	GMcT	BB	NH	ISSUE FOR PHASE 4: PLANNING

Client: NTA — Údarás Náisiúnta Iompair / National Transport Authority

Engineering Designer: ARUP

Programme Title: BUSCONNECTS DUBLIN
CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Drawing Title: BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME
TREE PROTECTION PLAN

Date	Scale	Drawn	Checked	Approved
04/03/2022	1:500 @ A1 1:1000 @ A3	GMcT	BB	NH

Project Code	Originator Code	QMS Code
BCIDC	ARP	268401-00

Drawing File Name	Sheet Number	Status	Rev
BCIDC-ARP-ENV_LA-1415_XX_00-DR-ES-0012	12 of 23	A	M01

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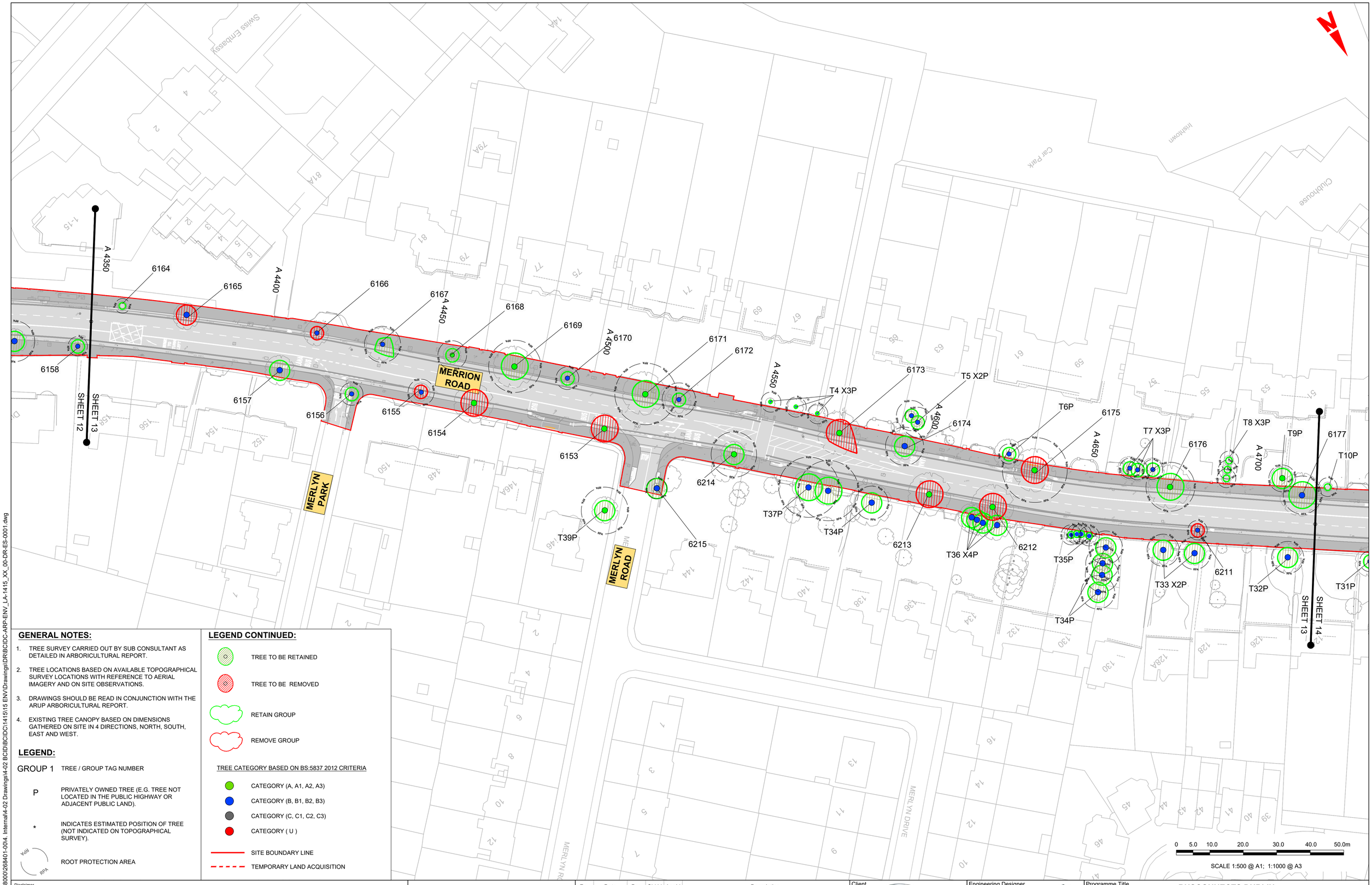

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Project Ireland 2040 Building Ireland's Future

Rev	Date	Drn	Chk'd	App'd	Description
M01	04/03/2022	GMcT	BB	NH	ISSUE FOR PHASE 4: PLANNING

Client: NTA — Údarás Náisiúnta Iompair, National Transport Authority

Engineering Designer: ARUP — Arbor Cane Tree Care Specialists, Dendrosurgical Consultancy Care Services

Programme Title: BUSCONNECTS DUBLIN
CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Drawing Title: BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME
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04/03/2022	1:500 @ A1 1:1000 @ A3	GMcT	BB	NH

Project Code	Originator Code	QMS Code
BCIDC	ARP	268401-00

Drawing File Name	Sheet Number	Status	Rev
BCIDC-ARP-ENV_LA-1415_XX_00-DR-ES-0013	13 of 23	A	M01

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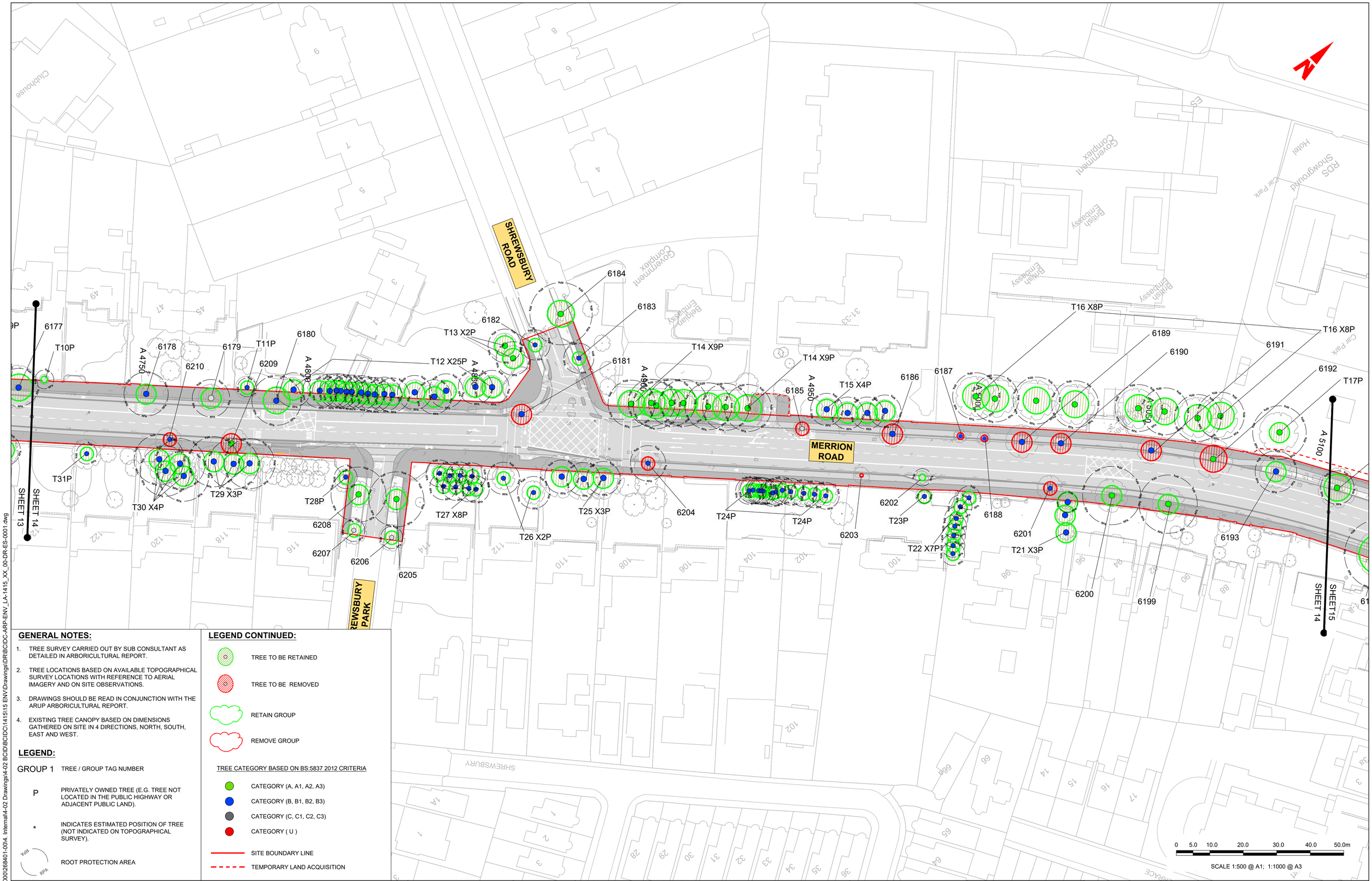

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- CATEGORY (C, C1, C2, C3)
- CATEGORY (U)

SITE BOUNDARY LINE

TEMPORARY LAND ACQUISITION

0 5.0 10.0 20.0 30.0 40.0 50.0m

SCALE 1:500 @ A1; 1:1000 @ A3

Project Ireland 2040 Building Ireland's Future

Rev	Date	Drn	Chk'd	App'd	Description
M01	04/03/2022	GMcT	BB	NH	ISSUE FOR PHASE 4: PLANNING

Client: NTA — Údarás Náisiúnta Iompair, National Transport Authority

Engineering Designer: ARUP; Arbor Carc, Deepwood Consulting Care Service

Date	Scale	Drawn	Checked	Approved
04/03/2022	1:500 @ A1 1:1000 @ A3	GMcT	BB	NH

Project Code	Originator Code	QMS Code
BCIDC	ARP	268401-00

Programme Title: **BUSCONNECTS DUBLIN**
CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Drawing Title: BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME
TREE PROTECTION PLAN

Drawing File Name	Sheet Number	Status	Rev
BCIDC-ARP-ENV_LA-1415_XX_00-DR-ES-0014	14 of 23	A	M01

DO NOT SCALE USE FIGURED DIMENSIONS ONLY

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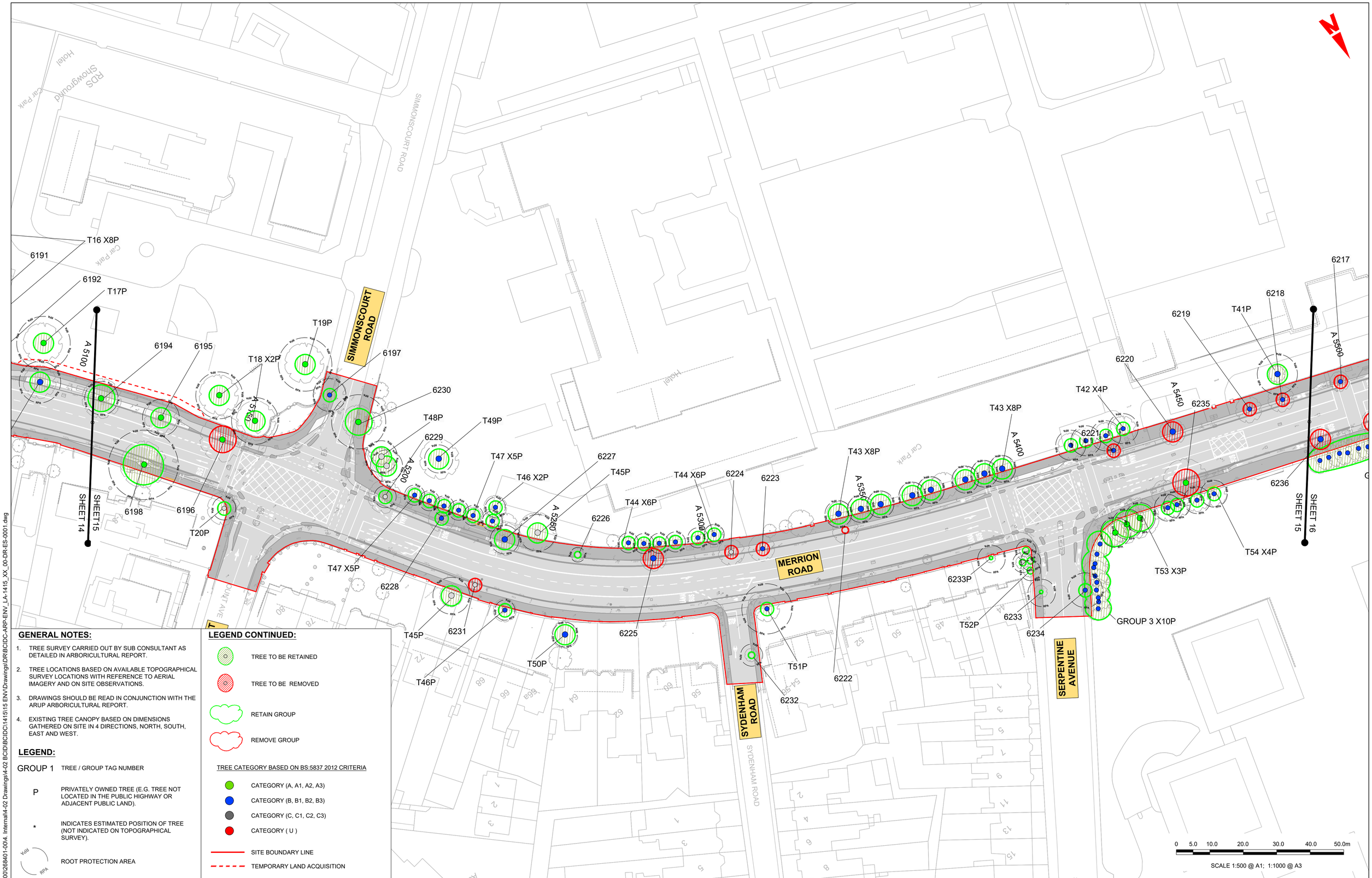

GENERAL NOTES:

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4. EXISTING TREE CANOPY BASED ON DIMENSIONS GATHERED ON SITE IN 4 DIRECTIONS, NORTH, SOUTH, EAST AND WEST.

LEGEND:

GROUP 1 — TREE / GROUP TAG NUMBER

P — PRIVATELY OWNED TREE (E.G. TREE NOT LOCATED IN THE PUBLIC HIGHWAY OR ADJACENT PUBLIC LAND).

* — INDICATES ESTIMATED POSITION OF TREE (NOT INDICATED ON TOPOGRAPHICAL SURVEY).

RPA — ROOT PROTECTION AREA

LEGEND CONTINUED:

TREE TO BE RETAINED

TREE TO BE REMOVED

RETAIN GROUP

REMOVE GROUP

TREE CATEGORY BASED ON BS:5837 2012 CRITERIA

- CATEGORY (A, A1, A2, A3)
- CATEGORY (B, B1, B2, B3)
- CATEGORY (C, C1, C2, C3)
- CATEGORY (U)

SITE BOUNDARY LINE

TEMPORARY LAND ACQUISITION

Project Ireland 2040 Building Ireland's Future

Rev	Date	Drn	Chk'd	App'd	Description
M01	04/03/2022	GMcT	BB	NH	ISSUE FOR PHASE 4: PLANNING

Client: NTA Údarás Náisiúnta Iompair / National Transport Authority

Engineering Designer: ARUP

Date	Scale	Drawn	Checked	Approved
04/03/2022	1:500 @ A1 1:1000 @ A3	GMcT	BB	NH

Project Code	Originator Code	QMS Code
BCIDC	ARP	268401-00

Programme Title: **BUSCONNECTS DUBLIN**
CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Drawing Title: BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME
TREE PROTECTION PLAN

Drawing File Name	Sheet Number	Status	Rev
BCIDC-ARP-ENV_LA-1415_XX_00-DR-ES-0015	15 of 23	A	M01

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RPA — ROOT PROTECTION AREA

LEGEND CONTINUED:

- TREE TO BE RETAINED
- TREE TO BE REMOVED
- RETAIN GROUP
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TREE CATEGORY BASED ON BS:5837 2012 CRITERIA

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Project Ireland 2040 Building Ireland's Future

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Engineering Designer: ARUP

Programme Title: BUSCONNECTS DUBLIN
CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Drawing Title: BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME
TREE PROTECTION PLAN

Date	Scale	Drawn	Checked	Approved
04/03/2022	1:500 @ A1 1:1000 @ A3	GMcT	BB	NH

Project Code	Originator Code	QMS Code
BCIDC	ARP	268401-00

Drawing File Name	Sheet Number	Status	Rev
BCIDC-ARP-ENV_LA-1415_XX_00-DR-ES-0016	16 of 23	A	M01

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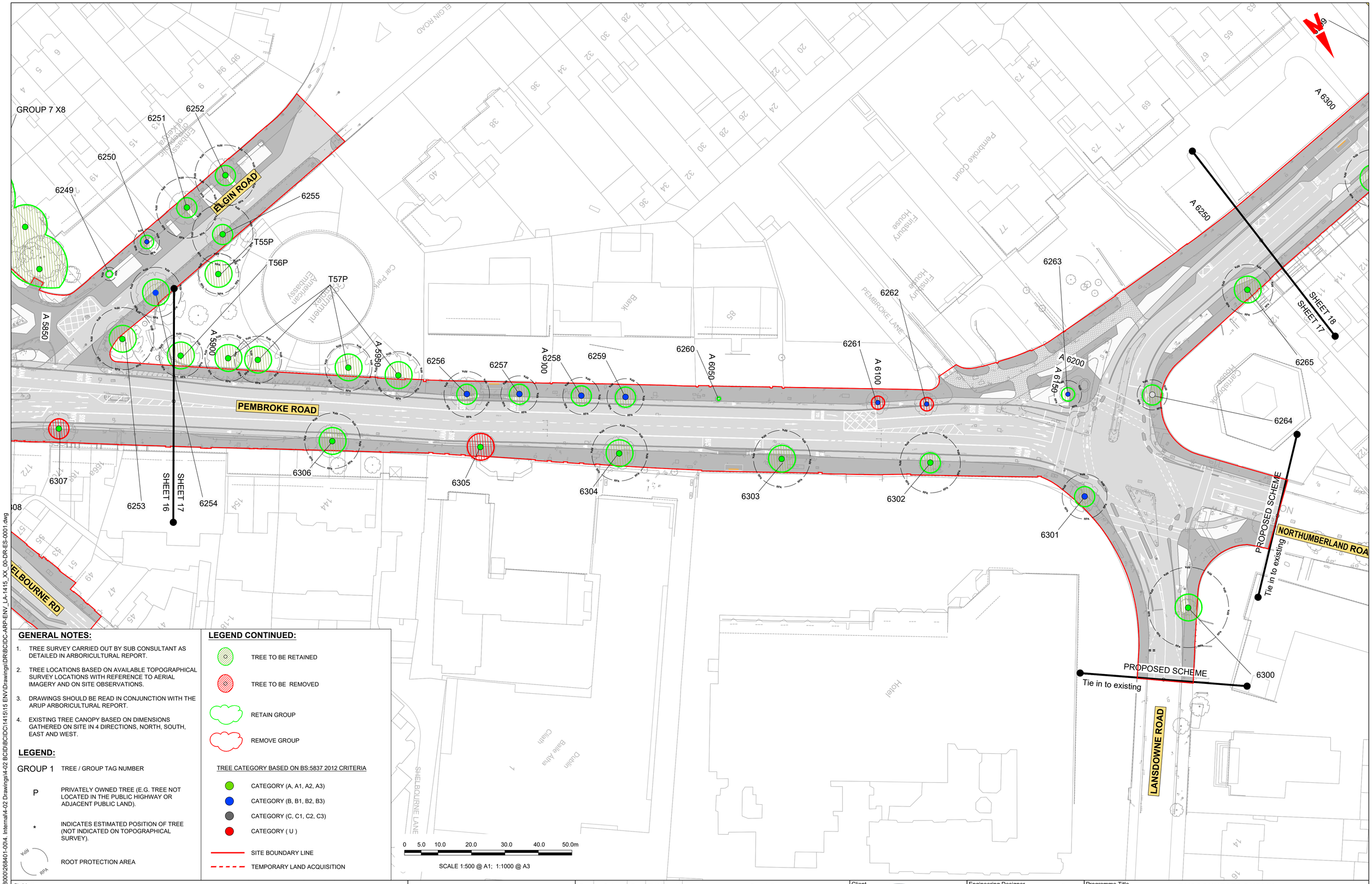

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TREE TO BE REMOVED

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Project Ireland 2040 Building Ireland's Future

Rev	Date	Drn	Chk'd	App'd	Description
M01	04/03/2022	GMcT	BB	NH	ISSUE FOR PHASE 4: PLANNING

Client: NTA — Údarás Náisiúnta Iompair, National Transport Authority

Engineering Designer: ARUP

Programme Title: **BUSCONNECTS DUBLIN**
CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Drawing Title: BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME
TREE PROTECTION PLAN

Date	Scale	Drawn	Checked	Approved
04/03/2022	1:500 @ A1 1:1000 @ A3	GMcT	BB	NH

Project Code	Originator Code	QMS Code
BCIDC	ARP	268401-00

Drawing File Name	Sheet Number	Status	Rev
BCIDC-ARP-ENV_LA-1415_XX_00-DR-ES-0017	17 of 23	A	M01

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0 5.0 10.0 20.0 30.0 40.0 50.0m

SCALE 1:500 @ A1; 1:1000 @ A3

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Project Ireland 2040
Building Ireland's Future

Rev	Date	Drn	Chk'd	App'd	Description
M01	04/03/2022	GMcT	BB	NH	ISSUE FOR PHASE 4: PLANNING

Client: NTA Údarás Náisiúnta Iompair National Transport Authority

Engineering Designer: ARUP; Arbor Care

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Drawing Title: BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME TREE PROTECTION PLAN

Date	Scale	Drawn	Checked	Approved
04/03/2022	1:500 @ A1 1:1000 @ A3	GMcT	BB	NH

Project Code	Originator Code	QMS Code	Drawing File Name	Sheet Number	Status	Rev
BCIDC	ARP	268401-00	BCIDC-ARP-ENV_LA-1415_XX_00-DR-ES-0018	18 of 23	A	M01

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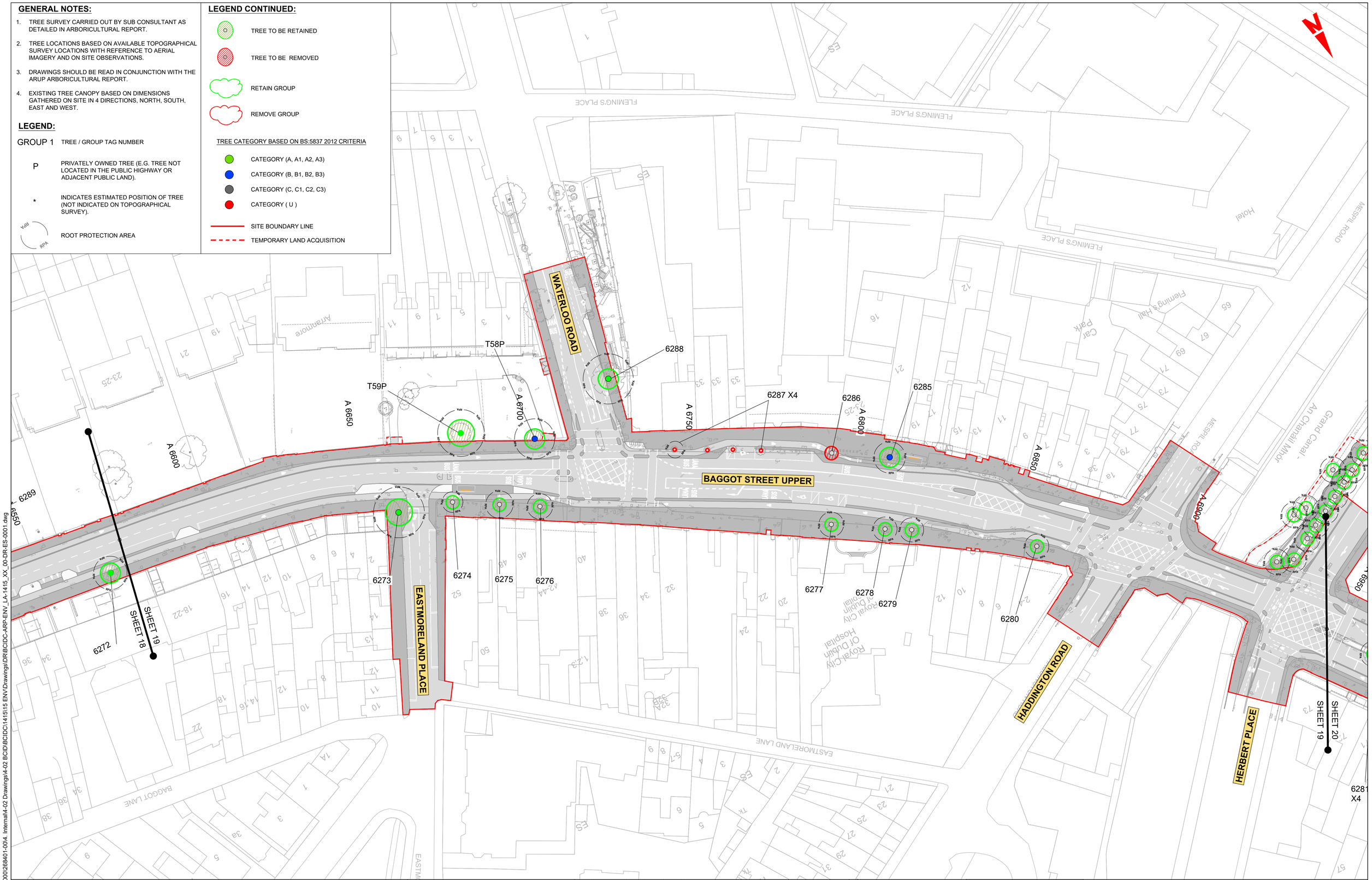

Project Ireland 2040 — Building Ireland's Future

Rev	Date	Drn	Chk'd	App'd	Description
M01	04/03/2022	GMcT	BB	NH	ISSUE FOR PHASE 4: PLANNING

Client: NTA — Údarás Náisiúnta Iompair, National Transport Authority

Engineering Designer: ARUP

Date	Scale	Drawn	Checked	Approved
04/03/2022	1:500 @ A1 1:1000 @ A3	GMcT	BB	NH

Project Code	Originator Code	QMS Code
BCIDC	ARP	268401-00

Programme Title: **BUSCONNECTS DUBLIN**
CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Drawing Title: BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME
TREE PROTECTION PLAN

Drawing File Name	Sheet Number	Status	Rev
BCIDC-ARP-ENV_LA-1415_XX_00-DR-ES-0019	19 of 23	A	M01

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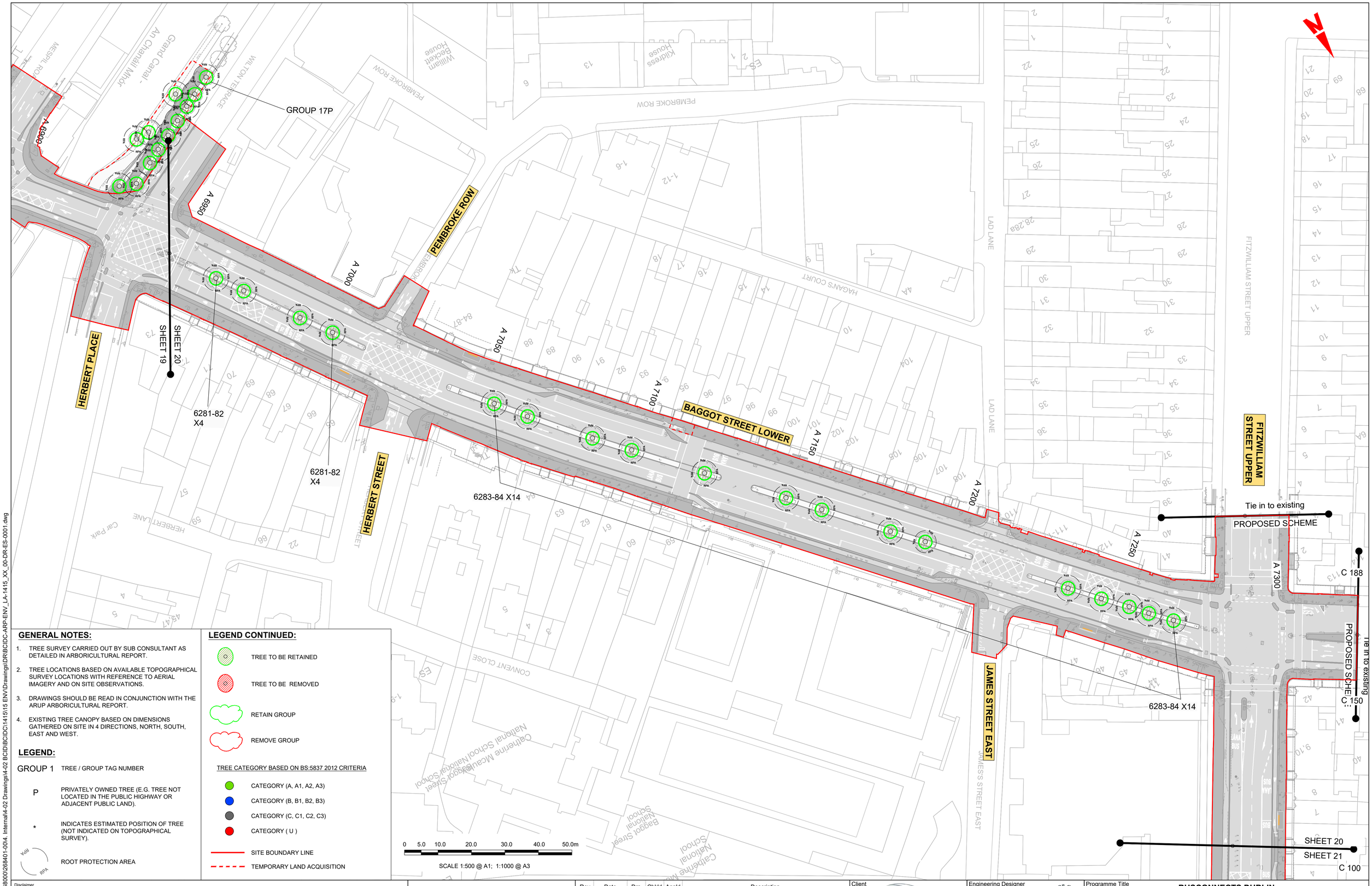

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RPA — ROOT PROTECTION AREA

LEGEND CONTINUED:

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TREE TO BE REMOVED

RETAIN GROUP

REMOVE GROUP

TREE CATEGORY BASED ON BS:5837 2012 CRITERIA

- CATEGORY (A, A1, A2, A3)
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SITE BOUNDARY LINE

TEMPORARY LAND ACQUISITION

Project Ireland 2040 Building Ireland's Future

Rev	Date	Drn	Chk'd	App'd	Description
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Client: NTA — Údarás Náisiúnta Iompair, National Transport Authority

Engineering Designer: ARUP; Arbor Care — Dendrosurgical Consultancy Care Service

Date	Scale	Drawn	Checked	Approved
04/03/2022	1:500 @ A1 1:1000 @ A3	GMcT	BB	NH

Project Code	Originator Code	QMS Code
BCIDC	ARP	268401-00

Programme Title: **BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS**

Drawing Title: BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME TREE PROTECTION PLAN

Drawing File Name	Sheet Number	Status	Rev
BCIDC-ARP-ENV_LA-1415_XX_00-DR-ES-0020	20 of 23	A	M01

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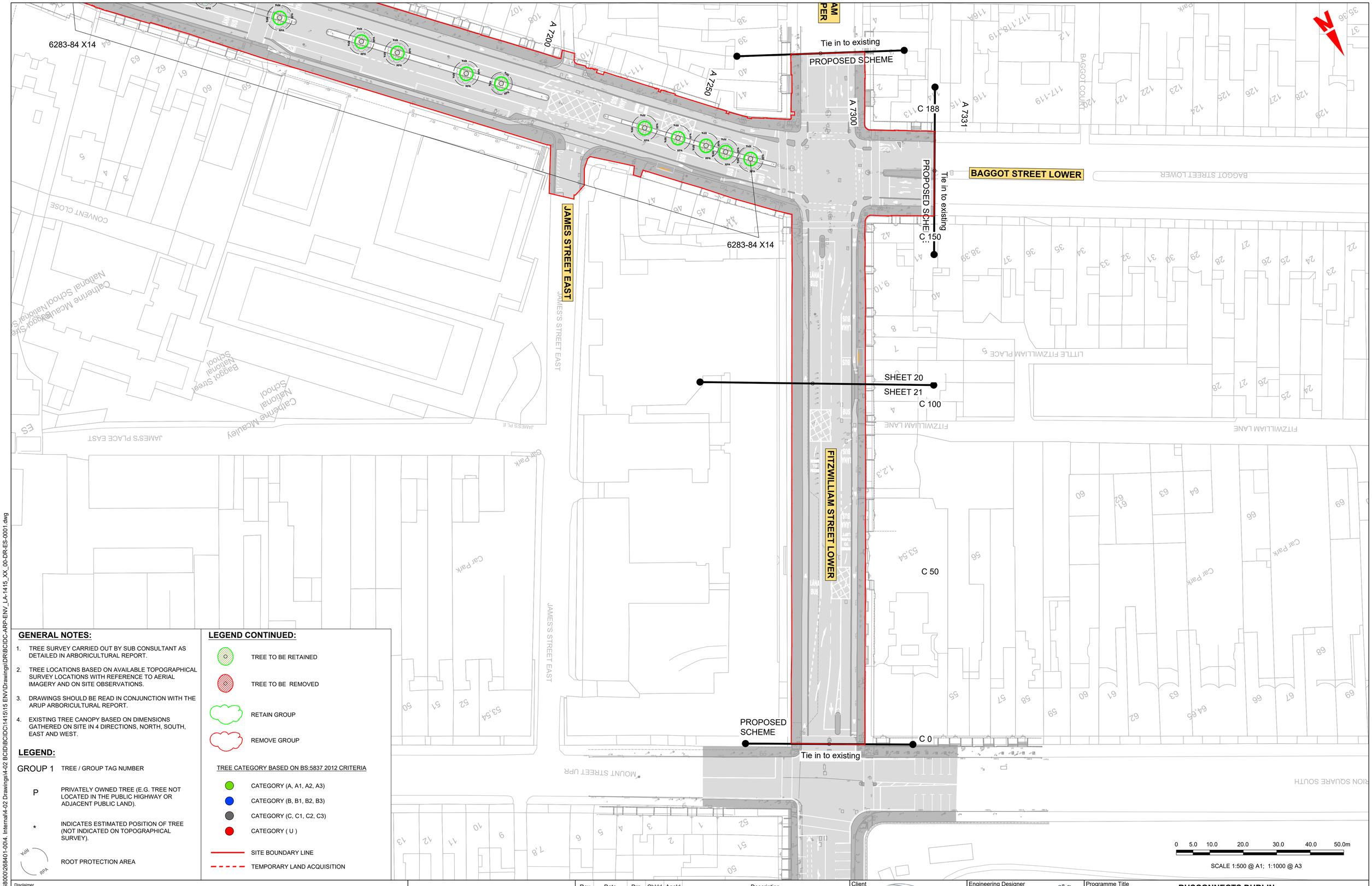

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TREE CATEGORY BASED ON BS:5837 2012 CRITERIA

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Project Ireland 2040 Building Ireland's Future

Rev	Date	Drn	Chk'd	App'd	Description
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Client: NTA — Údarás Náisiúnta Iompair, National Transport Authority

Engineering Designer: ARUP

Programme Title: BUSCONNECTS DUBLIN
CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Drawing Title: BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME
TREE PROTECTION PLAN

Date	Scale	Drawn	Checked	Approved
04/03/2022	1:500 @ A1 1:1000 @ A3	GMcT	BB	NH

Project Code	Originator Code	QMS Code	Drawing File Name	Sheet Number	Status	Rev
BCIDC	ARP	268401-00	BCIDC-ARP-ENV_LA-1415_XX_00-DR-ES-0021	21 of 23	A	M01

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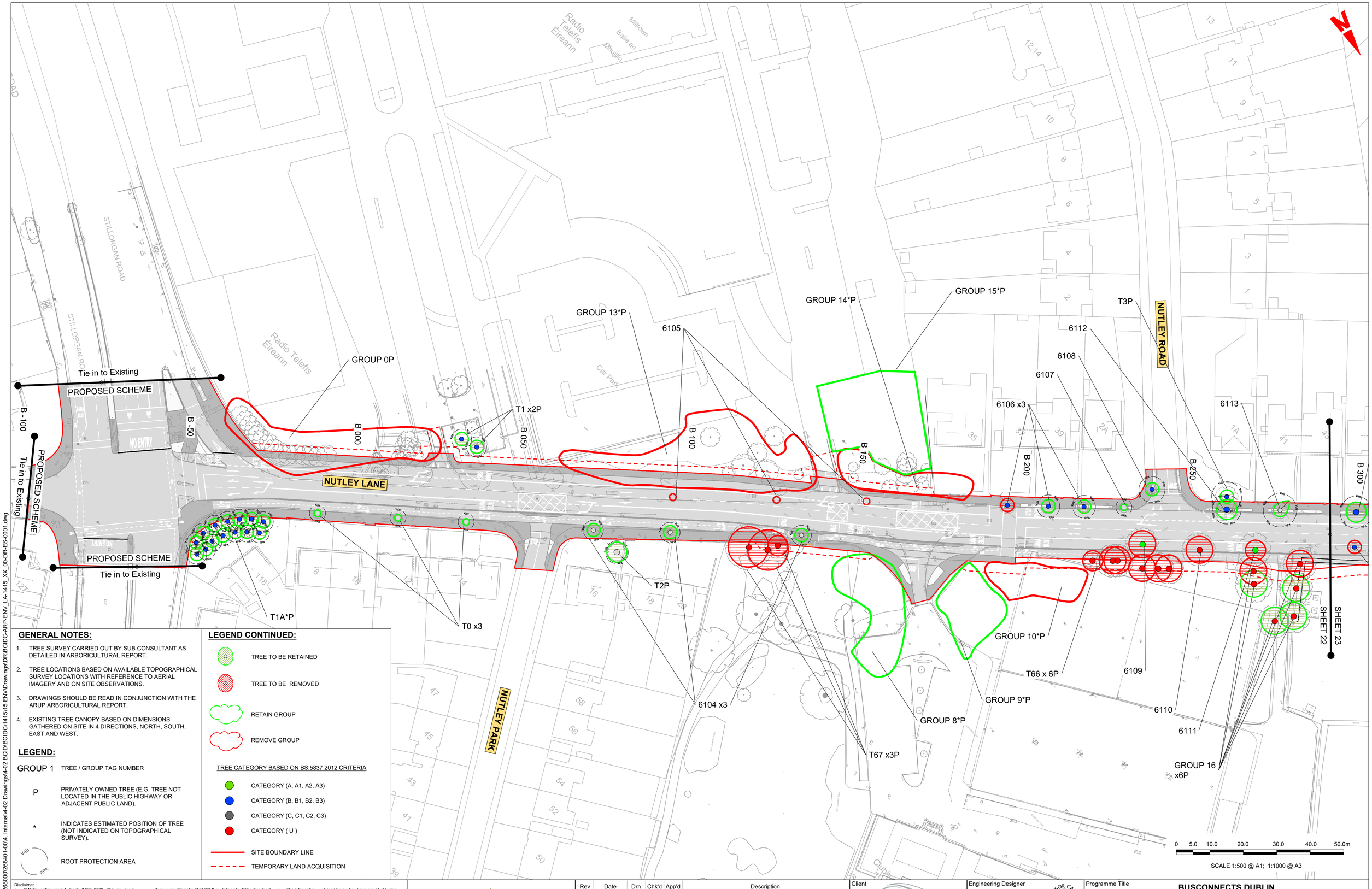

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CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Drawing Title: BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME
TREE PROTECTION PLAN

Drawing File Name	Sheet Number	Status	Rev
BCIDC-ARP-ENV_LA-1415_XX_00-DR-ES-0022	22 of 23	A	M01

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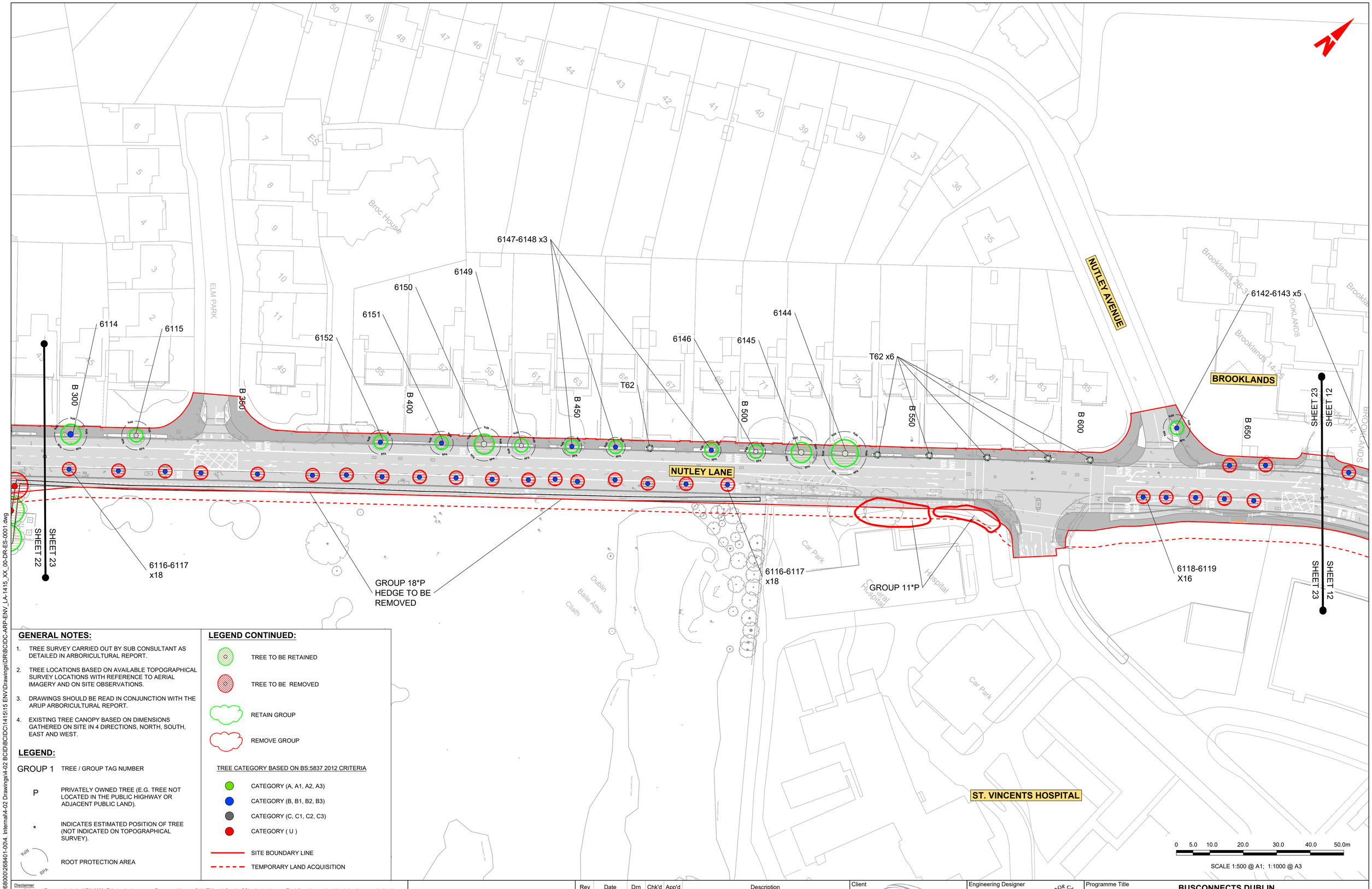

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Programme Title: BUSCONNECTS DUBLIN
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BCIDC	ARP	268401-00

Drawing File Name	Sheet Number	Status	Rev
BCIDC-ARP-ENV_LA-1415_XX_00-DR-ES-0023	23 of 23	A	M01

DO NOT SCALE USE FIGURED DIMENSIONS ONLY

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Appendix D

Example Site Monitoring Form

Appointed Site Arboricultural Consultant: Company: Consultant's name: Tel: Mob:
Development site address:
Developer's details: Company: Developer's name: Tel:

Stage of Development (x)

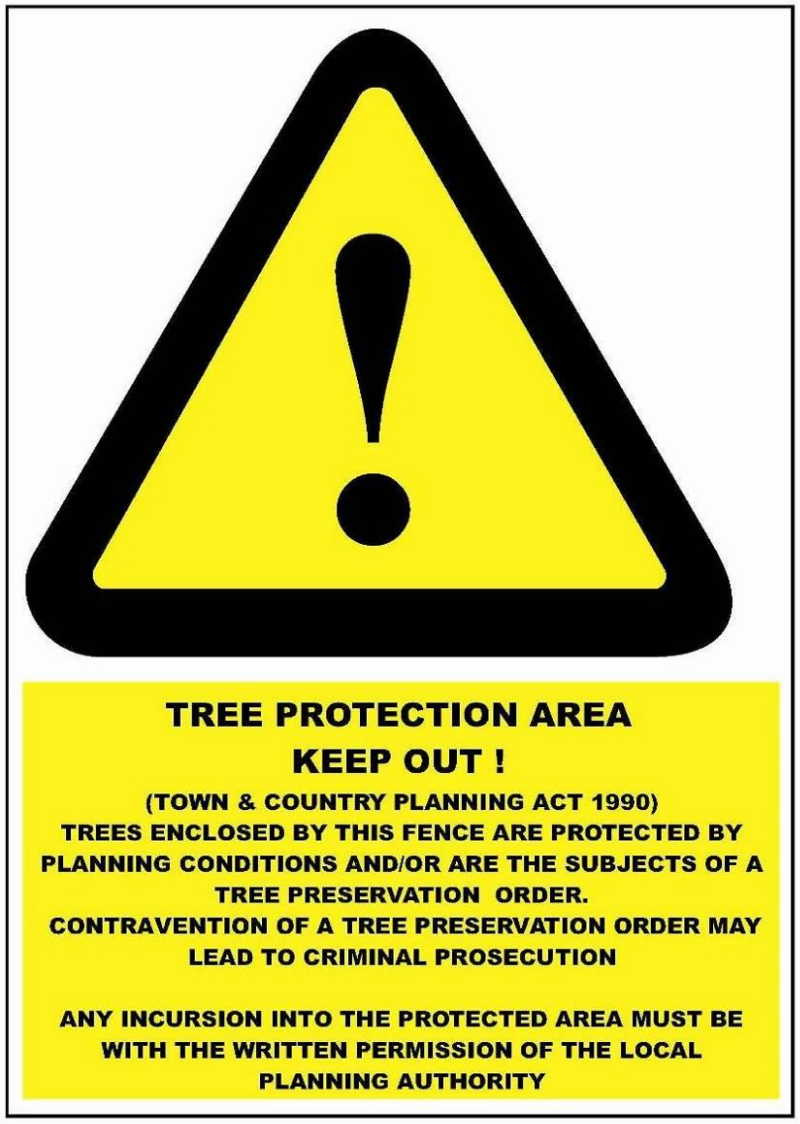
Pre-construction works		**Construction works**		**Post-construction works**			
Tree works	☐	Demolition	☐	Rectifying tree damage/pruning			☐
Protective fencing/tape	☐	Grading/muck away	☐	Hard landscaping/walls/drives			☐
Fencing signage	☐	Placing portacabin	☐	Removal of protective fencing etc			☐
Ground protection	☐	Excavation/services	☐	Soft landscaping			☐
Temporary haul road	☐	Construction work	☐	Special surfacing	☐	Tree planting	☐

Comments:

Appendix E

Tree Protection Signage (Example)


PROTECTIVE FENCING. THIS FENCING MUST BE MAINTAINED IN ACCORDANCE WITH THE APPROVED PLANS AND DRAWINGS FOR THIS DEVELOPMENT.


TREE PROTECTION AREA
KEEP OUT !
(TOWN & COUNTRY PLANNING ACT 1990)
TREES ENCLOSED BY THIS FENCE ARE PROTECTED BY PLANNING CONDITIONS AND/OR ARE THE SUBJECTS OF A TREE PRESERVATION ORDER.
CONTRAVENTION OF A TREE PRESERVATION ORDER MAY LEAD TO CRIMINAL PROSECUTION
ANY INCURSION INTO THE PROTECTED AREA MUST BE WITH THE WRITTEN PERMISSION OF THE LOCAL PLANNING AUTHORITY