

The background is a vibrant yellow. It is decorated with several abstract geometric shapes in shades of blue, teal, and white. These include circles, teardrop shapes, and rounded rectangles, some of which are partially cut off by the edges of the page. The shapes are arranged in a dynamic, non-repeating pattern.

Appendix A17.1
Arboricultural Impact
Assessment

BusConnects Core Bus Corridor Lucan to City Centre

Arboricultural Impact Assessment Report
BCIDA-ACM-ENV_LA-0006_XX_00-RP-ES-0001

National Transport Authority

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1. Introduction

1.1 Background

AECOM has been instructed by the National Transport Authority (The Applicant) to carry out an Arboricultural Impact Assessment of the development proposals for the BusConnects Infrastructure project on the Lucan to City Centre Core Bus Corridor (CBC) (hereafter referred to as 'the Site' and 'Proposed Development') in support of a planning application. This report identifies the likely direct and indirect impacts of the Proposed Development along with suitable mitigation measures, as appropriate. The Tree Clearance Plan (included within Appendix C) identifies trees to be removed and the Arboricultural Method Statement sets out how retained trees are to be successfully protected.

AECOM commissioned the initial preliminary tree survey and report, the information from which has informed the following Arboricultural Impact Assessment. This tree survey and report is based on the requirements of BS5837:2012 Trees in relation to design demolition and construction – Recommendations (BS5837) and was prepared by John Morris Arboricultural Consultancy (JMAC) (ref: 20-092-03).

1.2 Methodology

The tree survey has been based on the topographical survey plan provided: Ref: BCIDA-ACM-SUR_SV-0006_XX_00-M2-GG-0001.

Where tree positions were not included on the topographical survey they have been plotted indicatively and marked with an '*'. All such positions must be considered to be indicative only..

Some areas of the scheme were outside the original tree survey extents and no tree survey data is currently available. In these circumstances, trees have been plotted indicatively based on aerial imagery and/or topographical survey data and recorded as 'un-surveyed/uncategorised tree' features. Where such features are likely to be significantly impacted by the scheme new tree survey data will be obtained in due course.

The survey was otherwise conducted in accordance with the requirements of *BS5837:2012 Trees in relation to design, demolition and construction – Recommendations (BS5837)*.

JMAC undertook the tree survey data collection and associated verification. AECOM have adopted the tree survey data provided by JMAC and carried out a desk-based review of the proposed development and the likely impact on trees.

1.3 General Considerations

1.3.1 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* (2020) 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.

The advice of a suitably qualified engineer must be obtained to inform any potential issue of heave. Specific advice in relation to this issue is beyond the scope of this report.

1.3.2 Trees and Risk in the Context of Development

Tree owners/managers have a legal duty to prevent foreseeable harm. It is generally accepted that this duty can be fulfilled by undertaking proactive inspections of significant trees to identify obvious defects and by taking appropriate remedial action or gaining further advice as appropriate.

Further guidance is available from the National Tree Safety Group¹.

¹ National Tree Safety Group (NTSG),2011. Common sense risk management of trees. Forestry Commission.

The tree survey carried out by JMAC as the basis of this report is primarily for planning purposes, 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.

Developers and contractors have responsibilities for health and safety as a result of their actions. Should trees be left in an unstable or hazardous condition those responsible could be subject to prosecution along with the potential for further Civil claims for damages.

1.3.3 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 possible, significant tree/hedge works take place outside of the typical bird nesting season of March to September. The advice of a qualified ecologist should be sought in relation to tree works with the potential to impact on protected species.

1.3.4 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.

2. Initial Tree Survey Overview

2.1 The Site

The Site, as shown in Figures 1 and 2 below is described within the BusConnects Core Bus Corridor Preferred Route document² as;

The Lucan to City Centre Core Bus Corridor (CBC) commences at Junction 3 of the N4 and it is routed via the N4 as far as Junction 7 (M50), and via the R148 along the Chapelizod Bypass, Con Colbert Road and St John's Road West as far as Frank Sherwin Bridge, where it will join the prevailing traffic management regime on the South Quays.

² <https://busconnects.ie/media/2094/06-lucan-to-city-centre-preferred-route-301020fa-web.pdf>

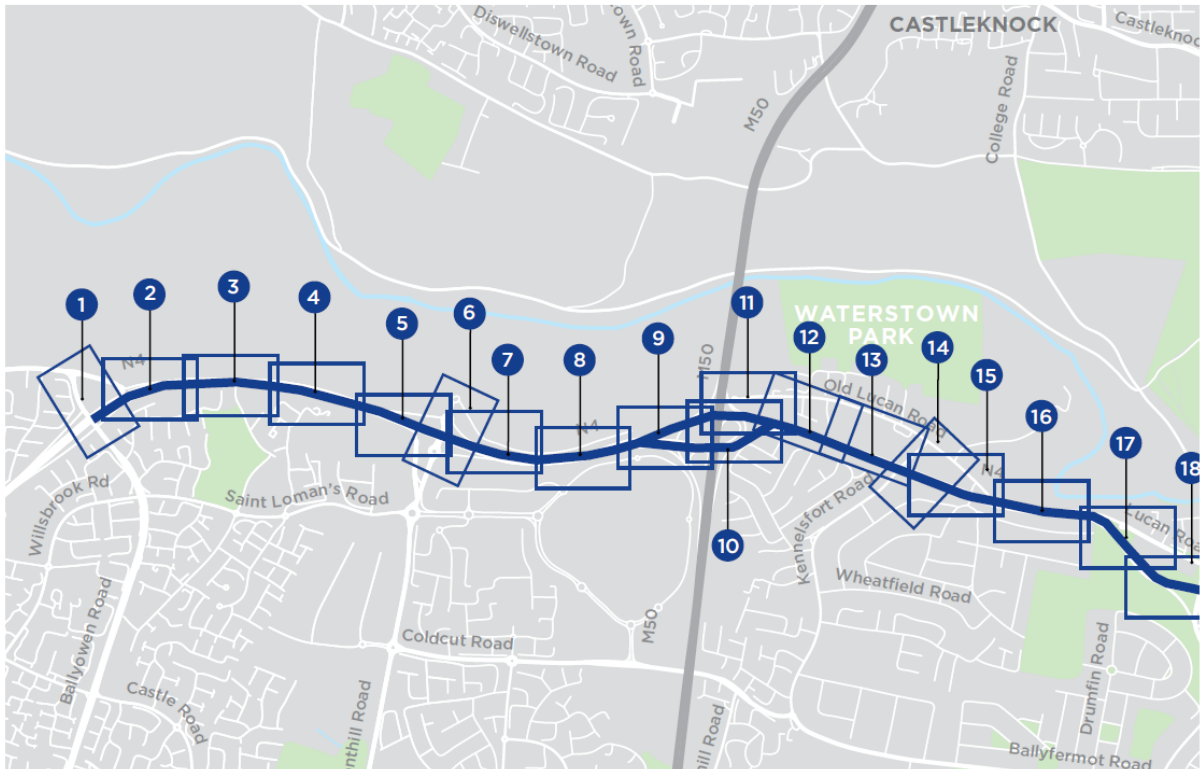


Figure 1 BusConnects CBC, Lucan to City Centre western section

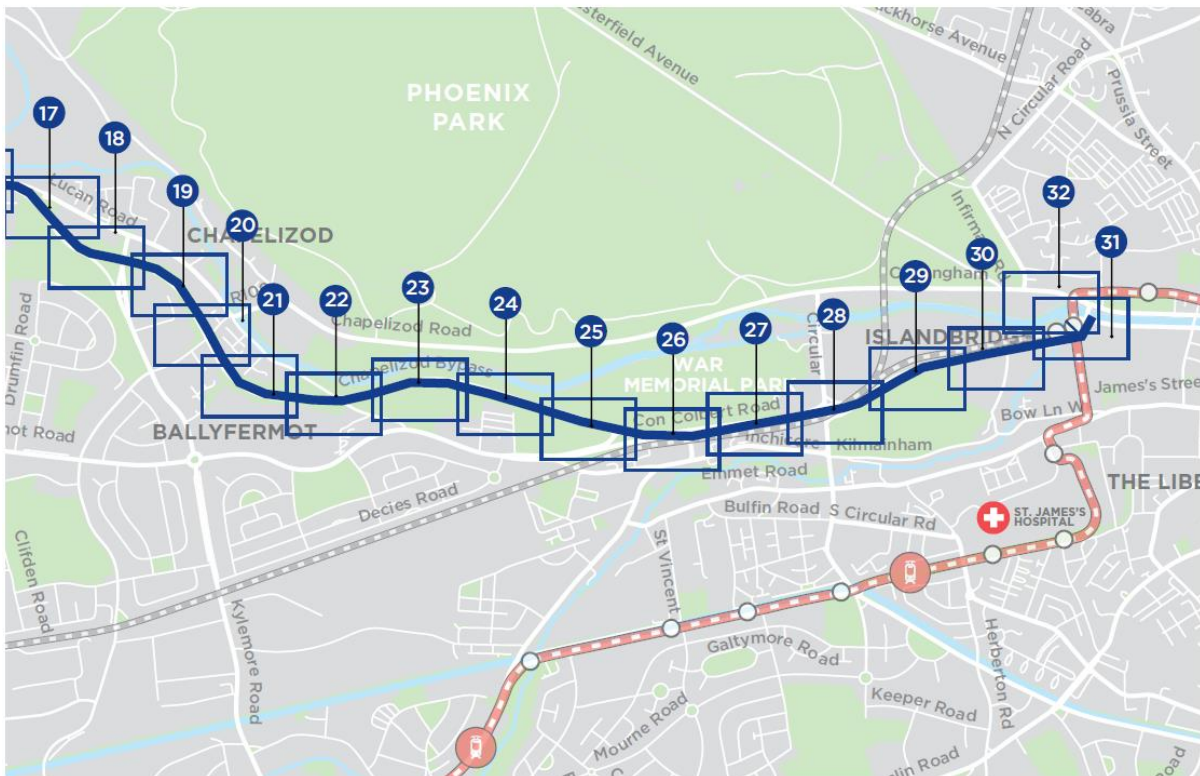


Figure 2: BusConnects CBC, Lucan to City Centre eastern section

The route commences in a residential area of Lucan passing to the south of Hermitage Golf club, past commercial areas and business and retail parks before crossing the M50. The route then continues through further residential areas of Palmerstown and Redcowfarm before passing close by the River Liffey.

Continuing alongside Gaels-Drumfinn Avenue Park and through the residential and industrial areas of Chapelizod, the route again passes close to the River Liffey through open land and passing the War Memorial Park and the residential areas of Kilmainham before ending outside Heuston Station.

2.2 The Trees

The tree survey carried out by JMAC identified a total of 619 trees, groups and hedges including seven tree features of high quality (Category A), 191 of moderate quality (Category B), 383 as low quality (Category C) and 38 as unsuitable for retention for more than a 10 year period (Category U). The trees included within the survey were predominantly considered to be of low and moderate arboricultural quality.

The trees were defined within three distinct groups. Those included within mixed species shelterbelts along dual-carriageway and providing screening to adjacent residential areas, mature individuals within Hermitage Golf Club and street trees in the City Centre at Heuston Station.

The most frequently noted species are Norway maple (*Acer platanoides*) and sycamore (*Acer pseudoplatanus*), lime (*Tilia sp.*) and ash (*Fraxinus excelsior*). Other species less frequently noted include whitebeam (*Sorbus aria*), Turkish hazel (*Corylus colurna*), silver maple (*Acer saccharinum*), rowan (*Sorbus aucuparia*), oak (*Quercus robur*), London plane (*Platanus x hispanica*), hornbeam (*Carpinus betulus*), horse chestnut (*Aesculus hippocastanum*), field maple (*Acer campestre*), hawthorn (*Crataegus monogyna*), eucalyptus (*Eucalyptus globulus*), black pine (*Pinus nigra*), beech (*Fagus sylvatica*), balsam poplar (*Populus balsamifera*) and alder (*Alnus glutinosa*).

2.3 Statutory and Non-Statutory Designations

JMAC contacted Dublin City Council (DCC) and South Dublin County Council (SDCC) in relation to statutory designations affecting trees.. Three Tree Preservation Orders (TPO) are identified in the DCC Tree Strategy (2016-2020) document although none of these are within or close to the Site.

Part of the Site is within the SDCC Liffey Valley Special Amenity Area Order.

The Site does incur within Conservation Areas and Architectural Conservation Areas. In these areas it is understood that trees are not given specific protection but the contribution they make to the wider Conservation Area is taken into account as part of the planning process.

A felling licence may be required by the Forest Service to fell trees where an exception does not apply (full planning consent is an exception to this requirement where tree removal was specifically identified at the application stage).

The Data.gov.ie Ancient and Long-Established Woodland Inventory³ (2010) indicates ancient or long established woodland well outside of the Site boundary to the north of the Chapelizod Road at Oldtown Wood in Pheonix Park. The scheme will not impact on this area.

A single veteran tree was identified during the survey (Tree 06 T0275P – a horse chestnut in private ownership) which is not impacted by the scheme.

³ <https://data.gov.ie/dataset/649e660a-0e47-4386-a53e-d642831ffe99/resource/f784af48-a9ae-4333-90cf-c6f389b344d8>

3. The Proposed Development

The Proposed Development forms part of the National Transport Authority's (NTA) BusConnects programme which is a key element of the Governments' policies to improve bus and sustainable transport services within Dublin.

The Proposed Development constitutes the Lucan to the City Centre CBC where dedicated bus lanes and priority for buses will be provided along the entire route. In addition, improved cycle and pedestrian facilities are also proposed. The CBC is broken down into specific sections within the BusConnects Preferred Route documentation⁴ where more detail is available. A brief description of the main alterations to the existing configuration of the road infrastructure are detailed below.

N4 Junction 3 to M50 Junction (Junction 7) – N4 Lucan Road

Changes to the lane arrangement on the Ballyowen Road bridge over the N4 include the removal of the right turning lane for the N4 westbound on slip to allow for the provision of cycle lanes in both directions.

As Lucan Road passes the Ballyowen junction the left turn slip lanes will be removed and cyclist and pedestrian safety will be improved.

A segregated two-way cycle track is proposed on the northern side of the N4 requiring some land take from Hermitage Gold Club and Hermitage Clinic lands until it leaves the N4 at Junction 2. The cycleway will then extend along Old Lucan Road, which will be narrowed and traffic calmed, before crossing the M50 via the foot/cycle bridge.

A pedestrian Priority Zone (PPZ) is proposed from the foot/cycle bridge over the N4 adjacent to the Mount Andrew estate and Ballyowen Lane. A cycleway continues along Hermitage Road to Ballyowen Road.

Improvements to the bus stop provision around Liffey Valley Shopping Centre are proposed together with an additional footbridge to align with the proposed public transport interchange within the Liffey Valley Shopping Centre.

At the M50 junction it is proposed that there will be a bus lane and two general traffic lanes in both directions with cyclists directed to the existing foot/cycle bridge over M50.

M50 Junction (Junction 7) to R148 Con Colbert Road – Chapelizod Bypass

There will be a continuous bus lane and two general traffic lanes between the M50 Junction and Kennelsfort Road junction and on the westbound carriageway of the R148 west of Kennelsfort Road. An additional merging lane for traffic from the M50 city bound is also proposed.

From the foot/cycle bridge crossing the M50, along the north side of the Old Lucan Road, a segregated two-way cycle track is proposed extending through Palmerstown village to the start of the Chapelizod bypass. A further segregated two-way cycle route is proposed along the east side of Kennelsfort Road Lower utilising a proposed Toucan crossing to cross the Palmerstown bypass.

A new right turn bus lane is proposed at the R148 junction with Old Lucan Road and the Oval to improve bus access to Palmerstown village. This will require some land take to the west of the petrol station.

Bus laybys will be installed at existing bus stops between the Kennelsfort Road Junction and the Oval junction.

New bus stops are proposed at the bridge over Chapelizod Hill Road making use of the existing underpass. Speed limits within the bus lane along Chapelizod bypass will be reduced to 60km/hr.

Con Colbert Road to Frank Sherwin Bridge – St. John's Road West

Continuous bus lanes and two general traffic lanes will be maintained between the Con Colbert Road junction and the junction into the Heuston South Quarter Development with the segregated cycle tracks between Con Colbert Road and the South Circular Road. From the Heuston South Quarter Development junction towards the Frank Sherwin Bridge there will only be one general traffic lane together with one bus lane in each direction.

⁴ <https://busconnects.ie/media/2103/01-clongriffin-to-city-centre-preferred-route-301020fa-web.pdf>

Some changes are proposed to the road layout at Memorial Road junction to accommodate changes proposed within the Liffey Valley CBC including an eastbound right turning lane and the change in location of the existing pedestrian crossing, a right turn lane on the northbound South Circular Road at to be moved to the east side of the junction.

Taxi and cycle facilities will be provided on the approaches to Heuston Station together with bus laybys and increased passenger waiting areas at the station.

The Proposed Development is shown overlaid onto the Tree Clearance Plan included as Appendix B.

4. Arboricultural Impact Assessment

4.1 Purpose

This impact assessment sets out the likely principal direct and indirect impacts of the Proposed Development 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 mitigate 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 1: Summary of removals, incursions and pruning for individual trees to facilitate the Proposed Development

Impact	Category A	Category B	Category C	Category U	Un-categorised tree features
Individual trees to be removed to facilitate the Proposed Development	0	57 individual trees	97 individual trees	17 individual trees	25 individual trees
Individual trees to be retained but subject to an RPA incursion	3 individual trees	37 individual trees	23 individual trees	1 individual tree	0
Individual trees to be pruned to facilitate the Proposed Development	0	2 individual trees	2 individual trees	0	0

Table 2: Summary of removals, incursions and pruning for tree groups to facilitate the Proposed Development

Impact	Category A	Category B	Category C	Category U	Un-categorised tree features
Tree groups to be removed to facilitate the Proposed Development	0	1 tree group	13 tree groups, 1 hedge,	0	10 tree groups
Tree groups to be retained but subject to an RPA incursion	1 tree group	1 tree group	5 tree groups	0	0
Tree groups to be pruned to facilitate the Proposed Development	0	0	0	0	0

4.2 Trees to be Removed

One hundred and fifty four individual trees, 14 tree groups and one hedge are to be removed to facilitate the Proposed Development, this includes 57 individual trees and part of one tree group of moderate quality (Category B) and 97 individual trees, four full groups, one hedge and part of nine tree groups of low quality (Category C). No trees identified as high quality (Category A) are to be removed.

Twenty-five individual trees, two full groups and part of eight tree groups of uncategorised trees are also to be removed. These features were outside the scope of the original tree survey and were not subject to a formal tree survey. Categorisation and further assessment of these trees should be completed as part of the detailed design tree surveys.

In addition, 17 trees of very low quality (Category U) are also recommended for removal to facilitate the Proposed Development and the future use of the scheme. These trees are arguably not suitable for long-term retention and their removal is justified regardless of the Proposed Development.

Tree removals are listed in the Tree Survey Schedule included as Appendix A.

Many of the trees to be removed are within the existing road boundary and/or the red line application boundary for the Site. However, some trees are likely to be under third party ownership (indicated by the P suffix in the Tree Survey Schedule in Appendix A).

The design has been developed to minimise any negative impact on significant trees as fully as possible. Where tree loss is required it is necessary to achieve the proposals for the Site. The latest available information on the road layout, 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 feasible to retain 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 must 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. Where any additional tree pruning or removals are required these will be discussed with the planning authority / landowner.

Tree removals will be mitigated with a high-quality scheme of new tree planting and associated landscaping works as detailed in the proposed Landscape General Arrangement Plans.

4.3 Tree Works

Tree removals to facilitate the Proposed Development are detailed in the Tree Survey Schedule included as Appendix B. Aside from tree removals no tree pruning has 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 roads is likely to be required. The requirement for pruning should 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.

Four trees (T215, T221, T223 and T256) are likely to require pruning to facilitate the installation and future clearance of the golf netting. Due to past suppression from neighbouring trees, which has limited canopy development to the south, only minor pruning is required to achieve a circa 1.5-2m clearance of the alignment of the netting and this will not have a significant negative impact on the health or amenity value of these trees.

No additional works to retained trees are likely to be required. All tree work is to follow the principles of *BS3998: 2010 Treework – Recommendations* and must be carried out by suitably qualified and insured contractors.

Should the requirement for additional tree works be identified, this will be discussed with the Project Arboriculturist and no works will be undertaken without the consent of the Planning Authority (PA) where required.

4.4 Incursions within the RPA or Canopy Spread

The design has been developed to avoid the area of constraint around trees where feasible. A range of works are required within or close to the RPA of retained trees which will require specialist working methods to ensure trees are not significantly impacted.

All trees likely to be subject to an RPA incursion are summarised in Table 1 above.

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

- 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. This applies to three individual high-quality trees (A Category – T13, T14, T17)), 10 individual trees and one tree group of moderate quality (B Category – T2, T3, T4, T5, G7, T15, T16, T18, T20, T23 and T588) and two individual trees and one tree group of low quality (Category C – T6, G19 and T587).
- 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 amended scheme will likely result in improved growing conditions for trees where sections of carriageway are replaced by less heavily engineered footway or verge. This will apply to four moderate quality trees (T298, T315, T320 and T619), six low quality trees (T299, T300, T301, T309, T310 and T311). In addition one Category U tree located on private land and three un-categorised tree features are also impacted in this way.
- Where the existing road 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. road narrowing impacts on one Category B tree (T294) and five un-categorised tree group features. Drainage works impact on one Category A tree group (G440), one Category B group (G7) and four Category C trees (T376, T377, T378 and T380).
- 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. This will impact on three Category A trees (T13, T14 and T17), four Category B trees (T15, T16, T18 and T20) and one Category C tree group (G19).
- New footing pads for the proposed golf netting will be installed in the outer RPA of seven trees (T215, T221, T223, T224, T227, T256 and T264). Due to the distance from the tree stems and the small overall proportion of the RPA that will be impacted this work will not have a significant impact on the health or stability of these trees and will be managed with careful excavation by hand around the footprint of the footing pads within the RPA. Exposed roots will be carefully pruned back to the edge of the footprint using a clean sharp tool.
- New piles or capping beams associated with the new retaining wall at Hermitage Golf Course will be required within the outer RPA of 13 Category B trees (T181, T187, T188, T192, T197, T199, T201, T203, T204, T207, T211, T266 and T272) and three Category C trees (T183, T209 and T270). Due to the limited extent of incursion, the age and species of the trees and the distance from the tree's stems this work is not considered likely to have a significant negative impact on the health or stability of these trees. The footprint of the capping beam or pile location within the RPA will be excavated by hand under the supervision of an arboriculturist. Any roots encountered will be carefully pruned back to the edge of the footprint using a clean sharp tool. Any uncured concrete will be carefully contained with an impermeable liner so it cannot leach into the rootzone of retained trees.
- 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). New features of this nature will impact on one Category A tree group (G440), three category B trees and one tree group (T4, G7, T398 and T429) and three category C trees and three groups (T27, G28, G278, G279, T378 and T441). In addition nine un-categorised tree groups and one un-categorised individual tree are also likely to be impacted.

- All new or diverted utilities will avoid the RPA of retained trees where possible, where this is not possible, utilities 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.

4.5 The Future Management 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.

Trees within and adjacent to the Site will require ongoing maintenance and assessment by a competent person to ensure that any risks from tree failure are managed in accordance with best practice.

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 Schedule in Appendix A of this report) should be actioned within the recommended timescales.

4.6 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, in the context of the Site (road environment) this will typically apply where there is no existing hard surfacing in place or where existing hard surfacing is to be removed. Where access is necessary within these areas, special measures such as the use of ground protection (or retention of existing hard surfacing) and arboricultural supervision are 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.

Tree protection measures are considered in Appendix C of this report.

4.7 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 feasible, 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 Annexe A, Table A.1 of BS5837:2012 must be considered, to prevent direct damage to services and structures from future tree growth.

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.

5. Conclusions

One hundred and fifty four individual trees, 14 tree groups and one hedge are to be removed to facilitate the Proposed Development, this includes 57 individual trees and part of one tree group of moderate quality (Category B) and 97 individual trees, four full groups, one hedge and part of nine tree groups of low quality (Category C). No trees identified as high quality (Category A) are to be removed.

Twenty-five individual trees, two full groups and part of eight tree groups of uncategorised trees are also to be removed. These features were outside the scope of the original tree survey and were not subject to a formal tree survey. Categorisation and further assessment of these trees should be completed as part of the detailed design tree surveys.

In addition, 17 trees of very low quality (Category U) are also recommended for removal to facilitate the Proposed Development and the future use of the scheme. These trees are arguably not suitable for long-term retention and their removal is justified regardless of the Proposed Development.

The design has been developed to minimise the impact on trees, and trees are proposed to be retained where careful construction methodologies will allow their retention. Trees are to be removed due to a direct conflict with the Proposed Development and where specialist methodologies or design tweaks are not considered practical to facilitate their retention.

Tree loss will be mitigated with a robust and high-quality scheme of new tree planting as detailed in proposed Landscape General Arrangement Plans.

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

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Appendix A Tree Survey Schedule⁵

Tree No.	Tag No.	Species	Botanical Name	Height (m)	DBH (mm)	No. of stems	Canopy Spread				Canopy Clearance (m)	Lower branch height (m)	Lower branch direction	Age	Physiological condition	Structural condition	Comments	Recommendations	U.L.E	Category	RPA (m3)	RPA radial distance (m)	Work Recommendations to Facilitate the Proposed Development
							N	E	S	W													
06 T0001	4001	Lime	<i>Tilia sp.</i>	14	320	1	5	4	6	5	3	3	West	M	Fair	Fair	Single stem forming spreading crown from 3m, in grass verge between road and footpath, overhead cables (ohc).	Crown raise to 5.1m over road (<3 months)	20+	B1	47.7836 2426	3.9	
06 T0002	4002	Lime	<i>Tilia sp.</i>	10	210	1	4	3	4	4	2	3	West	EM	Fair	Fair	Single stem forming spreading crown from 3m, in grass verge between road and footpath, ohc.	Crown raise to 5.1m over road (<3 months)	20+	B1	18.0955 7368	2.4	No dig surfacing
06 T0003	4003	Lime	<i>Tilia sp.</i>	10	260	1	5	4	4	4	2	3	North	EM	Fair	Fair	Single stem forming spreading crown from 3m, primary limb c.150mmØ previously removed from stem at 2.5m south, in grass verge between road and footpath, ohc.	Crown raise to 5.1m over road (<3 months)	20+	B1	28.2743 3388	3	No dig surfacing
06 T0004	4004	Lime	<i>Tilia sp.</i>	12	350	1	4	5	4	4	2	2.5	East	M	Fair	Fair	Single stem forming spreading crown from 2.5m in grass verge between road and footpath.	Crown raise to 5.1m over road (<3 months)	20+	B1	55.4176 9441	4.2	No dig surfacing
06 T0005 *	4005	Sycamore	<i>Acer pseudoplatanus</i>	15	730	1	8	6	8	7	4	0	West	M	Fair	Poor	Two ivy clad stems that fork from base forming spreading crown, more prominent tree at edge of neighbouring group tight to stone wall.	None.	20+	B1	237.787 148	8.7	No dig surfacing
06 T0006 *	4006	Sycamore	<i>Acer pseudoplatanus</i>	12	580	1	1	6	6	3	3	5	South	M	Fair	Poor	Single leaning ivy clad stem forming asymmetric crown, previously pruned south over footpath, tight to stone wall.	None.	10+	C1	149.571 2262	6.9	No dig surfacing
06 G0007 P	4007	Mixed Species Group	<i>N/a</i>	15	340#	1	5	5	5	5	3	0	South	M	Fair	Fair	Dense mixed species group comprising sycamore and Norway maple that form dense spreading canopy which extends north beyond stone wall on private land, ivy clad, overhang edge of existing footpath to road.	None.	20+	B2	55.4176 9441	4.2	Fell in part as per TPP (x10), No dig surfacing
06 T0008	4008	Eucalyptus	<i>Eucalyptus globulus</i>	16	240	1	2	2	2	2	8	8	South	EM	Fair	Fair	Single stem forming compact crown from 8m in planted border.	None.	20+	B1	28.2743 3388	3	Fell for footway widening
06 T0009	4009	Hornbeam	<i>Carpinus betulus</i>	8	180	1	2	3	2	2	1	0	North	SM	Fair	Fair	Multistem from base forming compact crown in planted border.	None.	10+	C1	13.8544 236	2.1	Fell for footway widening
06 T0010	4010	Whitebeam	<i>Sorbus aria</i>	8	261.725	1	3	3	3	3	2	0.5	South	EM	Fair	Poor	Two stems from 0.5m forming compact crown on grass verge.	None.	10+	C1	28.2743 3388	3	Fell for footway widening
06 T0011	4011	Whitebeam	<i>Sorbus aria</i>	7	137.8405	1	1	2	1	1	1	0	East	SM	Fair	Fair	Multistem from base forming compact crown on grass verge.	None.	10+	C1	10.1787 602	1.8	Fell for footway widening
06 T0012	4012	Wild cherry	<i>Prunus avium</i>	7	87.74964	1	2	2	3	3	0	0	South	SM	Fair	Poor	Multistem from base forming asymmetric crown, lost stem north with basal decay, on grass verge.	None.	>10	U	4.52389 3421	1.2	Fell unsuitable for retention.
06 T0013 P		Beech	<i>Fagus sylvatica</i>	20	950#	1	8	6	8	8	1	6	East	M	Fair	Fair	Single ivy clad stem forming spreading crown from 6m, minor dieback in upper crown, prominent tree in group of high value in local landscape, behind stone wall.	None.	40+	A1	408.281 3813	11.4	No dig surfacing, new boundary wall
06 T0014 P		Beech	<i>Fagus sylvatica</i>	20	1150#	1	8	4	8	7	1	3	South	M	Fair	Fair	Single ivy clad stem forming spreading crown from 4m, prominent tree in group and high value in local landscape, behind stone wall.	None.	40+	A1	598.284 9049	13.8	No dig surfacing, new boundary wall
06 T0015 P		Sycamore	<i>Acer pseudoplatanus</i>	14	740#	1	7	6	8	4	2	2	South	M	Fair	Fair	Single ivy clad stem forming spreading crown from 3m, forms merged canopy with neighbouring tree, prominent tree in group and high value in local landscape, behind stone wall.	None.	20+	B1	254.469 0049	9	No dig surfacing, new boundary wall

⁵ Information provided within JMAC report

Tree No.	Tag No.	Species	Botanical Name	Height (m)	DBH (mm)	No. of stems	Canopy Spread				Canopy Clearance (m)	Lower branch height (m)	Lower branch direction	Age	Physiological condition	Structural condition	Comments	Recommendations	U.L.E	Category	RPA (m3)	RPA radial distance (m)	Work Recommendations to Facilitate the Proposed Development
							N	E	S	W													
06 T0016 P		Sycamore	<i>Acer pseudoplatanus</i>	20	440#	1	6	5	9	6	2	3	South	M	Fair	Fair	Single ivy clad stem forming spreading crown behind stone wall.	None.	20+	B1	91.6088 4178	5.4	No dig surfacing, new boundary wall
06 T0017 P		Beech	<i>Fagus sylvatica</i>	19	1040#	1	8	8	8	6	1	2	West	M	Fair	Fair	Single ivy clad stem forming spreading crown from 3m, prominent tree in group and high value in local landscape, behind stone wall.	None.	40+	A1	498.759 2497	12.6	No dig surfacing, new boundary wall
06 T0018 P		Beech	<i>Fagus sylvatica</i>	18	760#	1	6	6	6	6	1	1	East	M	Fair	Fair	Single ivy clad stem forming symmetric spreading crown from 1m, prominent tree in group that provides value in local landscape, behind stone wall.	None.	20+	B1	254.469 0049	9	No dig surfacing, new boundary wall
06 G0019 P		Mixed Species Group	N/a	10	220#	1	4	4	4	4	0	0	South	SM	Fair	Poor	Mixed species group comprising understorey of beech, sycamore, hawthorn and ivy beyond stone wall.	Remove dead and dying stems (<3 months).	10+	C1	22.9022 1044	2.7	Fell in part as per TPP, No dig surfacing and new boundary wall
06 T0020 P		Beech	<i>Fagus sylvatica</i>	20	1050#	1	7	6	7	6	1	2	South	M	Fair	Fair	Single ivy clad stem into crown, dieback in lower and upper crown, behind stone wall.	None.	20+	B1	498.759 2497	12.6	No dig surfacing, new boundary wall
06 T0021 P		Beech	<i>Fagus sylvatica</i>	16	960#	1	7	7	7	7	1	2	East	M	Fair	Fair	Single ivy clad stem forming spreading crown from 4m behind stone wall.	None.	20+	B1	408.281 3813	11.4	
06 T0022 P		Oak	<i>Quercus robur</i>	20	860#	1	6	4	5	7	0	3	East	M	Fair	Fair	Two ivy clad leaders from 4m forming asymmetric crown, behind stone wall.	None.	20+	B1	326.851 2997	10.2	
06 T0023 P		Sycamore	<i>Acer pseudoplatanus</i>	18	1150#	1	8	5	8	6	2	2	East	M	Fair	Fair	Single ivy clad stem forming spreading crown that merges with neighbouring tree, behind stone wall.	None.	20+	B1	598.284 9049	13.8	No dig surfacing, new boundary wall.
06 T0024 P		Sycamore	<i>Acer pseudoplatanus</i>	17	950#	1	8	6	6	4	2	2	South	M	Fair	Fair	Two ivy clad leaders from 3m that form spreading crown behind stone wall.	None.	20+	B1	408.281 3813	11.4	
06 G0025	4013	Balsam Poplar	<i>Populus balsamifera</i>	17	300	1	3	3	3	3	2	2	South	M	Fair	Fair	Linear group in central reservation.	None.	10+	C2	40.7150 4079	3.6	Fell in part as per TPP
06 G0026		Mixed Species Group	N/a	17	340	1	3	3	3	3	2	2	South	M	Fair	Fair	Understorey group of field maple and Norway maple.	None.	10+	C2	55.4176 9441	4.2	Fell
06 T0027		Ash	<i>Fraxinus excelsior</i>	17	360#	1	3	2	3	2	2	2	West	M	Fair	Fair	Single stem forming compact asymmetric crown south of existing bus stop, behind closed board timber fence.	None.	10+	C1	55.4176 9441	4.2	Fell for footway widening
06 G0028		Norway maple	<i>Acer platanoides</i>	16	180#	1	2	3	3	2	2	2	South	M	Fair	Fair	Single stem forming compact asymmetric crown south of existing bus stop, behind closed board timber fence.	None.	10+	C1	13.8544 236	2.1	Fell in part as per TPP. No dig surfacing
06 T0029		Ash	<i>Fraxinus excelsior</i>	12	180#	1	3	2	3	3	2	2	South	M	Fair	Fair	Single stem forming compact asymmetric crown south of existing bus stop, behind closed board timber fence.	None.	10+	C1	13.8544 236	2.1	Fell for footway widening
06 T0030		Norway maple	<i>Acer platanoides</i>	13	360#	1	4	3	4	3	2	2	West	M	Fair	Fair	Single stem forming compact asymmetric crown south of existing bus stop, behind closed board timber fence.	None.	10+	C1	55.4176 9441	4.2	
06 T0031		Norway maple	<i>Acer platanoides</i>	12	230#	1	2	3	3	2	1	2	East	SM	Fair	Fair	Single stem forming compact asymmetric crown south of existing bus stop, behind closed board timber fence.	None.	10+	C1	22.9022 1044	2.7	
06 T0032 *		Norway maple	<i>Acer platanoides</i>	11	140#	1	2	3	3	3	2	2	East	SM	Fair	Fair	Single stem forming compact asymmetric crown south of existing bus stop, behind closed board timber fence.	None.	10+	C1	10.1787 602	1.8	
06 T0033 *		Alder	<i>Alnus glutinosa</i>	13	270#	3	3	2	3	3	2	2	East	EM	Fair	Fair	Single stem forming compact asymmetric crown south of existing bus stop, behind closed board timber fence.	None.	10+	C1	34.2119 44	3.3	

Tree No.	Tag No.	Species	Botanical Name	Height (m)	DBH (mm)	No. of stems	Canopy Spread				Canopy Clearance (m)	Lower branch height (m)	Lower branch direction	Age	Physiological condition	Structural condition	Comments	Recommendations	U.L.E	Category	RPA (m3)	RPA radial distance (m)	Work Recommendations to Facilitate the Proposed Development
							N	E	S	W													
06 T0034 *		Norway maple	<i>Acer platanoides</i>	12	160#	3	1	2	2	2	1	1	East	SM	Fair	Fair	Single stem forming compact asymmetric crown south of existing bus stop, behind closed board timber fence.	None.	10+	C1	13.8544 236	2.1	Fell for footway widening
06 T0035 *		Norway maple	<i>Acer platanoides</i>	12	160#	1	2	1	2	2	1	2	South	SM	Fair	Fair	Single stem forming compact asymmetric crown south of existing bus stop, behind closed board timber fence.	None.	10+	C1	10.1787 602	1.8	
06 T0036 *		Norway maple	<i>Acer platanoides</i>	11	190#	1	1	1	1	2	1	1	East	SM	Fair	Fair	Single stem forming compact asymmetric crown south of existing bus stop, behind closed board timber fence.	None.	10+	C1	18.0955 7368	2.4	Fell for footway widening
06 T0037 *		Norway maple	<i>Acer platanoides</i>	11	160#	2	2	2	1	2	1	2	South	SM	Fair	Fair	Single stem forming compact asymmetric crown south of existing bus stop, behind closed board timber fence.	None.	10+	C1	13.8544 236	2.1	
06 T0038 *		Norway maple	<i>Acer platanoides</i>	12	270#	2	3	2	2	1	1	1	South	EM	Fair	Fair	Single stem forming compact asymmetric crown south of existing bus stop, behind closed board timber fence.	None.	10+	C1	34.2119 44	3.3	
06 T0039 *		Norway maple	<i>Acer platanoides</i>	13	240#	1	2	3	3	3	2	2	West	EM	Fair	Fair	Single stem forming compact asymmetric crown south of existing bus stop, behind closed board timber fence.	None.	10+	C1	28.2743 3388	3	
06 T0040 *	4051	Norway maple	<i>Acer platanoides</i>	12	210	1	2	2	1	1	2	2	South	SM	Fair	Fair	Single stem with basal decay.	Fell and replace as good arboricultural practice (<3 months).	<10	U	18.0955 7368	2.4	Fell for footway widening
06 T0041 *	4052	Norway maple	<i>Acer platanoides</i>	12	150	1	2	2	3	2	1	2	North	SM	Fair	Fair	Single ivy clad stem forming compact crown from 2m.	None.	10+	C1	10.1787 602	1.8	Fell for footway widening
06 T0042 *	4053	Norway maple	<i>Acer platanoides</i>	12	160	1	2	2	2	2	2	2	South	SM	Fair	Fair	Single stem with basal decay at edge of group by footpath.	Fell and replace as good arboricultural practice (<3 months).	<10	U	10.1787 602	1.8	Fell for footway widening
06 T0043 *	4054	Norway maple	<i>Acer platanoides</i>	12	250	1	2	3	2	3	2	2	South	EM	Fair	Fair	Single stem asymmetric spreading crown.	None.	10+	C1	28.2743 3388	3	Fell for footway widening
06 T0044 *	4055	Norway maple	<i>Acer platanoides</i>	12	170	1	3	2	2	2	3	3	North	SM	Fair	Fair	Single stem forming asymmetric crown from 4m.	None.	10+	C1	13.8544 236	2.1	
06 T0045 *	4056	Norway maple	<i>Acer platanoides</i>	12	206.15 53	1	3	2	3	2	3	2	South	SM	Fair	Fair	Forks at base forming spreading crown.	None.	10+	C1	18.0955 7368	2.4	
06 T0046 *	4057	Norway maple	<i>Acer platanoides</i>	12	150	1	2	2	2	1	2	2	South	SM	Fair	Fair	Dead stem.	Fell and replace as good arboricultural practice (<3 months).	<10	U	10.1787 602	1.8	Fell for footway widening
06 T0047 *	4058	Norway maple	<i>Acer platanoides</i>	12	260	1	3	2	3	2	2	2	East	SM	Fair	Fair	Two leaders from 2m, minor historic stem wound that is occluding.	None.	10+	C1	28.2743 3388	3	Fell for footway widening
06 T0048 *	4059	Norway maple	<i>Acer platanoides</i>	11	180	1	2	1	3	2	1	2	South	SM	Fair	Fair	Single stem with basal decay.	Fell and replace as good arboricultural practice (<3 months).	<10	U	13.8544 236	2.1	Fell for footway widening

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							N	E	S	W													
06 T0049 *	4060	Norway maple	<i>Acer platanoides</i>	13	372.0215	2	3	2	3	4	2	2	South	M	Fair	Fair	Two leaders from 0.5m forming spreading crown.	None.	10+	C1	63.61725124	4.5	
06 T0050 *	4061	Norway maple	<i>Acer platanoides</i>	12	170	1	2	1	2	1	2	2	East	SM	Fair	Fair	Single stem forming compact crown.	None.	10+	C1	13.8544236	2.1	Fell for footway widening
06 T0051 *	4062	Norway maple	<i>Acer platanoides</i>	12	260	1	2	2	2	2	1	2	South	SM	Fair	Fair	Two leaders from 2m forming compact crown.	None.	10+	C1	28.27433388	3	
06 T0052 *	4063	Norway maple	<i>Acer platanoides</i>	12	200	1	2	2	1	2	2	2	North	SM	Fair	Fair	Single stem forming asymmetric crown.	None.	10+	C1	18.09557368	2.4	Fell for footway widening
06 T0053 *	4064	Norway maple	<i>Acer platanoides</i>	13	380	1	4	3	4	4	3	2	South	M	Fair	Fair	Single stem forming spreading crown.	None.	10+	C1	63.61725124	4.5	
06 T0054 *	4065	Norway maple	<i>Acer platanoides</i>	12	160	1	2	1	2	1	3	3	South	SM	Fair	Fair	Single stem forming compact crown.	None.	10+	C1	10.1787602	1.8	Fell for footway widening
06 T0055 *	4066	Norway maple	<i>Acer platanoides</i>	13	240	1	3	2	3	3	2	2	South	SM	Fair	Poor	Single stem with basal decay.	Fell and replace as good arboricultural practice (<3 months).	<10	U	28.27433388	3	Fell for footway widening
06 T0056 *	4067	Norway maple	<i>Acer platanoides</i>	13	330	1	4	4	3	4	3	3	North	M	Fair	Fair	Two leaders from 2m forming spreading crown.	None.	10+	C1	47.78362426	3.9	
06 T0057 *	4068	Norway maple	<i>Acer platanoides</i>	12	150	1	1	1	1	2	2	2	South	SM	Fair	Fair	Single stem forming asymmetric crown.	None.	10+	C1	10.1787602	1.8	Fell for footway widening
06 T0058 *	4069	Norway maple	<i>Acer platanoides</i>	13	312.41	2	3	4	4	3	2	2	West	M	Fair	Fair	Two stems from base forming spreading crown.	None.	10+	C1	40.71504079	3.6	
06 T0059 *	4070	Norway maple	<i>Acer platanoides</i>	13	200	1	3	3	2	3	2	3	West	SM	Fair	Fair	Single ivy clad stem forming spreading crown.	None.	10+	C1	18.09557368	2.4	Fell for footway widening
06 T0060 *	4071	Norway maple	<i>Acer platanoides</i>	12	290	1	3	3	3	2	2	2	South	EM	Fair	Fair	Single stem forming spreading crown.	None.	10+	C1	40.71504079	3.6	
06 T0061 *	4072	Norway maple	<i>Acer platanoides</i>	11	170	1	2	2	2	2	1	2	East	SM	Fair	Fair	Single stem forming compact asymmetric crown.	None.	10+	C1	13.8544236	2.1	
06 T0062 *	4073	Norway maple	<i>Acer platanoides</i>	11	140	1	1	1	1	1	1	2	South	SM	Poor	Poor	Dead stem.	Fell and replace as good arboricultural practice (<3 months).	<10	U	10.1787602	1.8	
06 T0063 *	4074	Norway maple	<i>Acer platanoides</i>	11	191.0497	2	2	3	2	1	2	2	North	SM	Fair	Fair	Two ivy clad leaders from 1m forming asymmetric crown.	None.	10+	C1	18.09557368	2.4	
06 T0064 *	4075	Norway maple	<i>Acer platanoides</i>	12	240	1	2	3	2	1	2	2	South	SM	Fair	Fair	Single ivy clad stem forming asymmetric crown.	None.	10+	C1	28.27433388	3	
06 T0065 *	4076	Norway maple	<i>Acer platanoides</i>	12	240	1	2	2	2	2	2	2	North	SM	Fair	Fair	Single stem compact crown.	None.	10+	C1	28.27433388	3	
06 T0066 *	4077	Norway maple	<i>Acer platanoides</i>	12	240	1	2	3	2	1	3	3	East	SM	Fair	Fair	Single ivy clad stem asymmetric crown.	None.	10+	C1	28.27433388	3	
06 T0067 *	4078	Norway maple	<i>Acer platanoides</i>	12	280	1	2	1	2	2	3	2	West	SM	Fair	Fair	Single stem forming spreading crown.	None.	10+	C1	34.211944	3.3	

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							N	E	S	W													
06 T0068 *	4079	Norway maple	<i>Acer platanoides</i>	13	290	1	2	2	1	2	3	3	West	EM	Fair	Fair	Two leaders from 3m forming compact crown.	None.	10+	C1	40.7150 4079	3.6	
06 T0069 *	4080	Ash	<i>Fraxinus excelsior</i>	12	200	1	1	1	1	1	2	2	South	SM	Poor	Poor	Dead stem.	Fell and replace as good arboricultural practice (<3 months).	<10	U	18.0955 7368	2.4	
06 T0070 *	4081	Norway maple	<i>Acer platanoides</i>	12	130	1	1	1	2	1	3	2	South	SM	Fair	Poor	Single stem with basal decay and asymmetric crown.	None.	10+	C1	7.06858 3471	1.5	
06 T0071 *	4082	Norway maple	<i>Acer platanoides</i>	13	160	1	1	1	1	1	3	4	East	SM	Fair	Fair	Single stem forming compact crown from 4m.	None.	10+	C1	10	2	
06 T0072 *	4083	Norway maple	<i>Acer platanoides</i>	13	180	1	2	1	2	1	3	3	South	SM	Fair	Fair	Single stem with tear out wounds at 3m and asymmetric crown.	Fell and replace as good arboricultural practice (<3 months).	<10	U	13.8544 236	2.1	
06 T0073 *	4084	Norway maple	<i>Acer platanoides</i>	13	180	1	1	1	2	2	3	2	East	SM	Fair	Fair	Single stem with basal decay and asymmetric crown.	Fell and replace as good arboricultural practice (<3 months).	<10	U	13.8544 236	2.1	
06 T0074 *	4085	Norway maple	<i>Acer platanoides</i>	13	270	1	2	2	1	2	2	2	West	SM	Fair	Fair	Single stem with basal decay and asymmetric crown.	Fell and replace as good arboricultural practice (<3 months).	<10	U	34.2119 44	3.3	
06 T0075 *	4086	Norway maple	<i>Acer platanoides</i>	12	160	1	1	1	1	1	3	2	North	SM	Fair	Fair	Dead stem.	Fell and replace as good arboricultural practice (<3 months).	<10	U	10.1787 602	1.8	
06 T0076 *	4087	Norway maple	<i>Acer platanoides</i>	13	350	1	4	3	3	4	2	2	North	M	Fair	Fair	Two leaders from 2m forming spreading asymmetric crown.	None.	10+	C1	55.4176 9441	4.2	
06 T0077 *	4088	Norway maple	<i>Acer platanoides</i>	14	400	1	4	3	4	3	2	2	South	M	Fair	Fair	Two leaders from 1.5m, forming spreading asymmetric crown.	None.	10+	C1	72.3822 9474	4.8	
06 T0078 *	4089	Norway maple	<i>Acer platanoides</i>	13	240	1	2	2	1	2	2	2	North	SM	Fair	Fair	Single dead ivy clad stem.	Fell and replace as good arboricultural practice (<3 months).	<10	U	28.2743 3388	3	
06 T0079 *	4090	Norway maple	<i>Acer platanoides</i>	14	300	1	3	3	3	3	2	3	West	M	Fair	Fair	Tw leaders from 2m forming compact crown.	None.	10+	C1	40.7150 4079	3.6	
06 T0080 *	4091	Norway maple	<i>Acer platanoides</i>	14	210	1	1	2	3	2	3	2	South	SM	Fair	Fair	Single stem forming compact crown.	None.	10+	C1	18.0955 7368	2.4	
06 T0081 *	4092	Ash	<i>Fraxinus excelsior</i>	13	180	1	1	2	2	2	1	2	East	SM	Fair	Fair	Single stem forming compact crown.	None.	10+	C1	13.8544 236	2.1	
06 T0082 *	4093	Norway maple	<i>Acer platanoides</i>	12	150	1	2	1	2	1	2	2	East	SM	Fair	Fair	Single stem forming compact crown.	None.	10+	C1	10.1787 602	1.8	

Tree No.	Tag No.	Species	Botanical Name	Height (m)	DBH (mm)	No. of stems	Canopy Spread				Canopy Clearance (m)	Lower branch height (m)	Lower branch direction	Age	Physiological condition	Structural condition	Comments	Recommendations	U.L.E	Category	RPA (m3)	RPA radial distance (m)	Work Recommendations to Facilitate the Proposed Development
							N	E	S	W													
06 T0083 *	4094	Norway maple	<i>Acer platanoides</i>	13	260	1	2	2	2	1	2	3	East	SM	Fair	Fair	Single stem forming asymmetric crown.	None.	10+	C1	28.2743 3388	3	
06 T0084 *	4095	Norway maple	<i>Acer platanoides</i>	12	170	1	2	1	1	1	2	2	South	SM	Fair	Fair	Single ivy clad stem forming compact crown.	None.	10+	C1	13.8544 236	2.1	
06 T0085 *	4096	Norway maple	<i>Acer platanoides</i>	11	169.70 56	2	2	2	1	2	2	2	South	SM	Fair	Fair	Forks at 1m, ivy clad forming compact crown.	None.	10+	C1	13.8544 236	2.1	Fell for footway widening
06 T0086 *	4097	Norway maple	<i>Acer platanoides</i>	11	160	1	2	1	1	2	4	3	South	SM	Fair	Fair	Single ivy clad stem forming compact crown.	None.	10+	C1	10.1787 602	1.8	
06 T0087 *	4098	Norway maple	<i>Acer platanoides</i>	13	230	1	3	3	2	3	3	2	South	SM	Fair	Fair	Single ivy clad stem forming compact crown.	None.	10+	C1	22.9022 1044	2.7	
06 T0088 *	4099	Norway maple	<i>Acer platanoides</i>	13	410.36 57	2	4	5	5	5	3	3	West	M	Fair	Fair	Two ivy clad stems forming spreading asymmetric crown.	None.	10+	C1	72.3822 9474	4.8	
06 T0089 *	4100	Ash	<i>Fraxinus excelsior</i>	12	144.22 21	2	2	2	2	2	2	1	South	SM	Fair	Fair	Two ivy clad stems forming compact crown.	None.	10+	C1	10.1787 602	1.8	
06 T0090 *	4101	Ash	<i>Fraxinus excelsior</i>	12	144	1	2	3	2	2	3	2	South	SM	Fair	Fair	Two ivy clad stems forming compact crown 2m.	None.	10+	C1	10.1787 602	1.8	
06 T0091 *	4102	Ash	<i>Fraxinus excelsior</i>	12	250	1	3	2	3	2	3	3	South	SM	Fair	Fair	Single stem forming spreading crown, 2m.	None.	10+	C1	28.2743 3388	3	
06 T0092 *	4103	Ash	<i>Fraxinus excelsior</i>	12	230	1	3	3	3	2	3	3	West	SM	Fair	Fair	Single stem forming asymmetric crown.	None.	10+	C1	22.9022 1044	2.7	
06 T0093 *	4104	Beech	<i>Fagus sylvatica</i>	14	332.86 63	2	3	4	4	4	3	2	South	EM	Fair	Fair	Linear group along edge of footpath forming merged spreading canopy.	None.	10+	C1	47.7836 2426	3.9	
06 T0094	4105	Beech	<i>Fagus sylvatica</i>	13	140	1	4	3	4	2	1	1	West	SM	Fair	Fair	Linear group along edge of footpath forming merged spreading canopy.	None.	10+	C1	10.1787 602	1.8	
06 T0095	4106	Beech	<i>Fagus sylvatica</i>	13	280	3	3	2	5	3	1	1	East	SM	Fair	Fair	Linear group along edge of footpath forming merged spreading canopy.	None.	10+	C1	34.2119 44	3.3	
06 T0096	4107	Beech	<i>Fagus sylvatica</i>	13	260	1	2	3	4	3	1	1	East	SM	Fair	Fair	Linear group along edge of footpath forming merged spreading canopy.	None.	10+	C1	28.2743 3388	3	
06 T0097	4108	Beech	<i>Fagus sylvatica</i>	13	290	1	3	3	3	2	1	1	South	SM	Fair	Fair	Linear group along edge of footpath forming merged spreading canopy.	None.	10+	C1	40.7150 4079	3.6	
06 T0098	4109	Beech	<i>Fagus sylvatica</i>	14	300	1	3	2	4	3	1	1	West	EM	Fair	Fair	Linear group along edge of footpath forming merged spreading canopy.	None.	10+	C1	40.7150 4079	3.6	
06 T0099	4110	Beech	<i>Fagus sylvatica</i>	13	240	1	3	3	4	2	1	1	West	M	Fair	Fair	Linear group along edge of footpath forming merged spreading canopy.	None.	10+	C1	28.2743 3388	3	
06 T0100 *	4111	Lime	<i>Tilia sp.</i>	14	750	2	6	4	5	5	1	1	South	M	Fair	Fair	Two stems forming spreading crown.	None.	20+	B1	254.469 0049	9	
06 T0101 *	4112	Beech	<i>Fagus sylvatica</i>	13	240	1	2	4	2	2	1	1	South	SM	Fair	Fair	Single leaning ivy clad stem forming asymmetric crown.	None.	10+	C1	28.2743 3388	3	
06 T0102 *		Lime	<i>Tilia sp.</i>	16	660	2	5	5	6	5	1	1	South	M	Fair	Fair	Two stems forming spreading crown behind cement block wall.	None.	20+	B1	191	8	
06 T0103 P		Sycamore	<i>Acer pseudoplatanus</i>	8	180	1	4	2	2	4	0	2	South	SM	Fair	Poor	Single stem forming asymmetric crown.	None.	10+	C1	13.8544 236	2.1	
06 T0104 P		Wild cherry	<i>Prunus avium</i>	12	304.13 81	2	4	3	3	4	2	0.5	East	M	Fair	Poor	Two stems from 0.5m forming spreading asymmetric crown.	None.	10+	C1	40.7150 4079	3.6	
06 T0105 P		Wild cherry	<i>Prunus avium</i>	11	200	1	4	3	2	3	4	3	East	EM	Fair	Fair	Two ivy clad metres forming asymmetric crown.	None.	10+	C1	18.0955 7368	2.4	

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06 T0106 P		Wild cherry	<i>Prunus avium</i>	12	380	1	2	2	4	4	2	1	West	M	Fair	Poor	Single ivy clad stem, limb extended west at 1m, forming asymmetric spreading crown.	None.	10+	C1	63.6172 5124	4.5	Fell for footway widening and wall reconstruction
06 T0107 P		Wild cherry	<i>Prunus avium</i>	13	380	1	3	4	4	4	3	3	East	M	Fair	Poor	Two ivy clad leaders from 3m forming asymmetric spreading crown.	None.	10+	C1	63.6172 5124	4.5	Fell for footway widening and wall reconstruction
06 T0108 P		Wild cherry	<i>Prunus avium</i>	13	370	1	5	5	2	2	2	3	North	M	Fair	Poor	Single ivy clad stem forming asymmetric spreading crown from 3m.	None.	10+	C1	63.6172 5124	4.5	Fell for footway widening and wall reconstruction
06 T0109 P		Wild cherry	<i>Prunus avium</i>	6	176.91 81	2	1	1	2	1	1	0	East	EM	Fair	Poor	Two stems forming asymmetric crown.	Fell and replace as good arboricultural practice (<3 months).	>10	U	13.8544 236	2.1	Fell for footway widening and wall reconstruction
06 T0110 P		Wild cherry	<i>Prunus avium</i>	11	241.03 94	3	2	4	3	2	2	1	East	EM	Fair	Poor	Multistem specimen forming asymmetric crown.	Fell and replace as good arboricultural practice (<3 months).	>10	U	28.2743 3388	3	Fell for footway widening and wall reconstruction
06 G0111 P		Mixed Species Group	<i>N/a</i>	14	240	1	4	4	4	4	0	0	South	EM	Fair	Fair	Dense mixed species group of ivy clad stems comprising wild cherry, ash and oak with dense understorey of ivy and brambles.	None.	10+	C1	28.2743 3388	3	
06 G0112 P		Leylandii	^x <i>Cupressocyparis leylandii</i>	15	340	1	3	3	3	3	0	0	North	M	Fair	Fair	Linear group along boundary wall.	None.	10+	C1	55.4176 9441	4.2	Fell (124 trees) for footway widening and wall reconstruction
06 T0113 P*		Ash	<i>Fraxinus excelsior</i>	13	220	1	1	2	4	2	3	2	South	SM	Fair	Poor	Single stem forming asymmetric suppressed crown north of leylandii.	None.	10+	C1	22.9022 1044	2.7	Fell for footway widening and wall reconstruction
06 T0114 P*		Ash	<i>Fraxinus excelsior</i>	14	300	1	2	2	5	1	2	2	East	EM	Fair	Poor	Single stem forming asymmetric suppressed crown north of leylandii.	None.	10+	C1	40.7150 4079	3.6	Fell for footway widening and wall reconstruction
06 T0115 P*		Ash	<i>Fraxinus excelsior</i>	13	240	1	1	1	2	2	3	3	South	SM	Fair	Poor	Single stem forming asymmetric suppressed crown north of leylandii.	None.	10+	C1	28.2743 3388	3	Fell for footway widening and wall reconstruction
06 T0116 P*		Ash	<i>Fraxinus excelsior</i>	14	250	1	2	2	3	2	2	2	South	SM	Fair	Poor	Single stem forming asymmetric suppressed crown north of leylandii.	None.	10+	C1	28.2743 3388	3	Fell for footway widening and wall reconstruction
06 T0117 P		Ash	<i>Fraxinus excelsior</i>	11	120	1	2	2	5	2	3	2	North	SM	Fair	Poor	Single stem forming asymmetric suppressed crown north of leylandii.	None.	10+	C1	7.06858 3471	1.5	Fell for footway widening and wall reconstruction
06 T0118 P		Ash	<i>Fraxinus excelsior</i>	11	180	1	2	1	4	3	3	2	South	SM	Fair	Poor	Single stem forming asymmetric suppressed crown north of leylandii.	None.	10+	C1	13.8544 236	2.1	Fell for footway widening and wall reconstruction
06 T0119 P		Ash	<i>Fraxinus excelsior</i>	12	240	1	2	2	3	5	3	3	East	SM	Fair	Poor	Single stem forming asymmetric suppressed crown north of leylandii.	None.	10+	C1	28.2743 3388	3	Fell for footway widening and wall reconstruction
06 T0120 P*		Ash	<i>Fraxinus excelsior</i>	11	240	1	1	2	4	1	2	2	South	SM	Fair	Poor	Single stem forming asymmetric suppressed crown north of leylandii.	None.	10+	C1	28.2743 3388	3	Fell for footway widening and wall reconstruction
06 T0121 P*		Ash	<i>Fraxinus excelsior</i>	12	270	1	2	2	3	2	2	2	South	SM	Fair	Poor	Single stem forming asymmetric suppressed crown north of leylandii.	None.	10+	C1	34.2119 44	3.3	Fell for footway widening and wall reconstruction
06 T0122 P*		Ash	<i>Fraxinus excelsior</i>	12	250	1	2	2	3	2	3	2	East	SM	Fair	Poor	Single stem forming asymmetric suppressed crown north of leylandii.	None.	10+	C1	28.2743 3388	3	Fell for footway widening and wall reconstruction
06 T0123 P		Ash	<i>Fraxinus excelsior</i>	12	270	1	2	2	4	2	3	2	South	SM	Fair	Poor	Single stem forming asymmetric suppressed crown north of leylandii.	None.	10+	C1	34.2119 44	3.3	Fell for footway widening and wall reconstruction
06 T0124 P		Ash	<i>Fraxinus excelsior</i>	12	330	1	2	2	4	2	3	3	South	EM	Fair	Poor	Single stem forming asymmetric suppressed crown north of leylandii.	None.	10+	C1	47.7836 2426	3.9	Fell for footway widening and wall reconstruction

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							N	E	S	W													
06 T0125 P		Sycamore	<i>Acer pseudoplatanus</i>	13	240	1	2	1	4	2	3	3	East	SM	Fair	Fair	Single stem forming asymmetric supressed crown north of leylandii.	None.	10+	C1	28.2743 3388	3	Fell for footway widening and wall reconstruction
06 T0126 P		Sycamore	<i>Acer pseudoplatanus</i>	13	260	1	2	2	4	2	3	3	East	SM	Fair	Fair	Single stem forming asymmetric supressed crown north of leylandii.	None.	10+	C1	28.2743 3388	3	Fell for footway widening and wall reconstruction
06 T0127 P		Sycamore	<i>Acer pseudoplatanus</i>	12	270	1	2	2	5	2	3	3	South	SM	Fair	Fair	Single stem forming asymmetric supressed crown north of leylandii.	None.	10+	C1	34.2119 44	3.3	Fell for footway widening and wall reconstruction
06 T0128 P		Sycamore	<i>Acer pseudoplatanus</i>	11	120	1	2	2	5	2	2	3	East	SM	Fair	Fair	Single stem forming asymmetric supressed crown north of leylandii.	None.	10+	C1	7.06858 3471	1.5	Fell for footway widening and wall reconstruction
06 T0129 P*		Sycamore	<i>Acer pseudoplatanus</i>	11	140	1	2	2	3	2	3	2	West	SM	Fair	Fair	Dead.	Fell and replace as good arboricultural practice (<3 months).	<10	U	10.1787 602	1.8	Fell for footway widening and wall reconstruction
06 T0130 P		Sycamore	<i>Acer pseudoplatanus</i>	13	170	1	1	1	3	2	2	2	South	SM	Fair	Fair	Single stem forming asymmetric supressed crown north of leylandii.	None.	10+	C1	13.8544 236	2.1	Fell for footway widening and wall reconstruction
06 T0131 P		Sycamore	<i>Acer pseudoplatanus</i>	12	150	1	1	1	3	1	2	2	West	SM	Fair	Fair	Single stem forming asymmetric supressed crown north of leylandii.	None.	10+	C1	10.1787 602	1.8	Fell for footway widening and wall reconstruction
06 T0132 P		Sycamore	<i>Acer pseudoplatanus</i>	12	280	1	2	2	3	2	2	2	West	SM	Fair	Fair	Single stem forming asymmetric supressed crown north of leylandii.	None.	10+	C1	34.2119 44	3.3	Fell for footway widening and wall reconstruction
06 T0133 P		Sycamore	<i>Acer pseudoplatanus</i>	12	280	1	2	2	4	2	2	1	East	SM	Fair	Fair	Single stem forming asymmetric supressed crown north of leylandii.	None.	10+	C1	34.2119 44	3.3	Fell for footway widening and wall reconstruction
06 T0134 P		Sycamore	<i>Acer pseudoplatanus</i>	13	330	2	3	2	4	2	3	2	South	EM	Fair	Fair	Single stem forming asymmetric supressed crown north of leylandii.	None.	10+	C1	47.7836 2426	3.9	Fell for footway widening and wall reconstruction
06 T0135 P*		Sycamore	<i>Acer pseudoplatanus</i>	13	350	3	3	2	4	2	2	2	South	EM	Fair	Fair	Single stem forming asymmetric supressed crown north of leylandii.	None.	10+	C1	55.4176 9441	4.2	Fell for footway widening and wall reconstruction
06 T0136 P		Sycamore	<i>Acer pseudoplatanus</i>	12	240	1	3	2	4	2	3	3	South	SM	Fair	Fair	Dying.	Fell and replace as good arboricultural practice (<3 months).	<10	U	28.2743 3388	3	Fell for footway widening and wall reconstruction
06 T0137 P*		Norway maple	<i>Acer platanoides</i>	14	390	1	3	2	4	2	3	3	North	M	Fair	Fair	Single stem forming asymmetric supressed crown north of leylandii.	None.	10+	C1	72.3822 9474	4.8	Fell for footway widening and wall reconstruction
06 T0138 P		Norway maple	<i>Acer platanoides</i>	13	350	1	4	2	4	2	3	3	North	M	Fair	Fair	Single stem forming asymmetric supressed crown north of leylandii.	None.	10+	C1	55.4176 9441	4.2	Fell for footway widening and wall reconstruction
06 T0139 P		Norway maple	<i>Acer platanoides</i>	13	230	1	3	3	4	2	2	2	South	SM	Fair	Fair	Single stem forming asymmetric supressed crown north of leylandii.	None.	10+	C1	22.9022 1044	2.7	Fell for footway widening and wall reconstruction
06 T0140 P		Norway maple	<i>Acer platanoides</i>	12	220	1	2	2	3	2	3	3	South	SM	Fair	Fair	Single stem forming asymmetric supressed crown north of leylandii.	None.	10+	C1	22.9022 1044	2.7	Fell for footway widening and wall reconstruction
06 T0141 P*		Norway maple	<i>Acer platanoides</i>	13	370	1	3	3	4	3	4	3	West	M	Fair	Fair	Single stem forming spreading crown from 3m.	None.	20+	B1	63.6172 5124	4.5	Fell for footway widening and wall reconstruction
06 T0142 P*		Norway maple	<i>Acer platanoides</i>	13	280	1	2	1	4	2	3	3	West	EM	Fair	Fair	Single stem forming spreading crown from 3m.	None.	10+	C1	34.2119 44	3.3	Fell for footway widening and wall reconstruction
06 T0143 P		Norway maple	<i>Acer platanoides</i>	14	320	1	3	2	4	2	3	3	West	M	Fair	Fair	Single stem forming spreading crown from 3m.	None.	20+	B1	47.7836 2426	3.9	Fell for footway widening and wall reconstruction

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06 T0144 P		Norway maple	<i>Acer platanoides</i>	13	320	1	4	2	4	3	4	3	South	M	Fair	Fair	Single stem forming spreading crown from 3m.	None.	20+	B1	47.7836 2426	3.9	Fell for footway widening and wall reconstruction
06 T0145 P		Norway maple	<i>Acer platanoides</i>	13	310	1	3	3	4	2	4	4	West	M	Fair	Fair	Single stem forming spreading crown from 4m.	None.	20+	B1	40.7150 4079	3.6	Fell for footway widening and wall reconstruction
06 T0146 P		Norway maple	<i>Acer platanoides</i>	14	330	1	2	3	4	3	3	3	North	M	Fair	Fair	Single stem forming spreading crown from 3m.	None.	20+	B1	47.7836 2426	3.9	Fell for footway widening and wall reconstruction
06 T0147 P		Norway maple	<i>Acer platanoides</i>	12	250	1	3	4	3	4	4	4	East	SM	Fair	Fair	Single stem forming spreading crown from 4m.	None.	10+	C1	28.2743 3388	3	Fell for footway widening and wall reconstruction
06 T0148 P		Oak	<i>Quercus robur</i>	11	150	1	2	3	4	3	3	3	West	SM	Fair	Fair	Single stem forming spreading crown from 3m.	None.	10+	C1	10.1787 602	1.8	Fell for footway widening and wall reconstruction
06 T0149 P*		Oak	<i>Quercus robur</i>	11	180	1	2	2	2	1	2	2	South	SM	Fair	Fair	Single stem with severe crown dieback throughout, in physiological decline with limited useful life expectancy.	Fell and replace as good arboricultural practice (<3 months).	<10	U	13.8544 236	2.1	Fell for footway widening and wall reconstruction
06 T0150 P*		Oak	<i>Quercus robur</i>	11	260	1	1	2	2	2	2	2	East	SM	Fair	Fair	Single stem forming compact crown from 2m.	None.	10+	C1	28.2743 3388	3	Fell for footway widening and wall reconstruction
06 T0151 P		Oak	<i>Quercus robur</i>	11	180	1	3	2	3	2	3	3	West	SM	Fair	Fair	Single stem with severe crown dieback throughout, in physiological decline with limited useful life expectancy.	Fell and replace as good arboricultural practice (<3 months).	<10	U	13.8544 236	2.1	Fell for footway widening and wall reconstruction
06 T0152 P		Oak	<i>Quercus robur</i>	11	150	1	3	2	3	3	3	3	East	SM	Fair	Fair	Single stem with severe crown dieback throughout, in physiological decline with limited useful life expectancy.	Fell and replace as good arboricultural practice (<3 months).	<10	U	10.1787 602	1.8	Fell for footway widening and wall reconstruction
06 T0153 P		Oak	<i>Quercus robur</i>	11	230	1	4	3	4	4	4	3	South	SM	Fair	Fair	Single stem forming spreading crown, planted in row along golf course boundary behind tee box.	None.	10+	C1	22.9022 1044	2.7	Fell for footway widening and wall reconstruction
06 T0154 P		Oak	<i>Quercus robur</i>	10	160	1	3	2	3	2	3	3	South	SM	Fair	Fair	Single stem forming spreading crown, planted in row along golf course boundary behind tee box.	None.	10+	C1	10.1787 602	1.8	Fell for footway widening and wall reconstruction
06 T0155 P		Lime	<i>Tilia sp.</i>	11	220	1	3	2	3	3	3	3	South	SM	Fair	Fair	Single stem forming spreading crown, planted in row along golf course boundary behind tee box.	None.	10+	C1	22.9022 1044	2.7	Fell for footway widening and wall reconstruction
06 T0156 P		Ash	<i>Fraxinus excelsior</i>	10	250	1	4	3	4	3	2	3	North	SM	Fair	Fair	Single stem forming spreading crown, planted in row along golf course boundary behind tee box.	None.	10+	C1	28.2743 3388	3	Fell for footway widening and wall reconstruction
06 T0157 P		Ash	<i>Fraxinus excelsior</i>	13	330	1	5	3	4	4	2	2	East	EM	Fair	Fair	Single stem forming spreading crown, planted in row along golf course boundary behind tee box.	None.	20+	B1	47.7836 2426	3.9	Fell for footway widening and wall reconstruction
06 T0158 P		Ash	<i>Fraxinus excelsior</i>	13	250	1	4	3	4	3	3	3	West	SM	Fair	Fair	Single stem forming spreading crown, planted in row along golf course boundary behind tee box.	None.	10+	C1	28.2743 3388	3	Fell for footway widening and wall reconstruction
06 T0159 P		Ash	<i>Fraxinus excelsior</i>	12	180	1	4	2	4	2	3	2	West	SM	Fair	Fair	Single stem forming spreading crown, planted in row along golf course boundary behind tee box.	None.	10+	C1	13.8544 236	2.1	Fell for footway widening and wall reconstruction
06 T0160 P		Ash	<i>Fraxinus excelsior</i>	12	220	1	4	2	3	2	3	3	South	SM	Fair	Fair	Single stem forming spreading crown, planted in row along golf course boundary behind tee box.	None.	10+	C1	22.9022 1044	2.7	Fell for footway widening and wall reconstruction
06 T0161 P		Ash	<i>Fraxinus excelsior</i>	12	280	1	4	4	4	3	3	2	South	EM	Fair	Fair	Single stem forming spreading crown from 2m.	None.	10+	C1	34.2119 44	3.3	

Tree No.	Tag No.	Species	Botanical Name	Height (m)	DBH (mm)	No. of stems	Canopy Spread				Canopy Clearance (m)	Lower branch height (m)	Lower branch direction	Age	Physiological condition	Structural condition	Comments	Recommendations	U.L.E	Category	RPA (m3)	RPA radial distance (m)	Work Recommendations to Facilitate the Proposed Development
							N	E	S	W													
06 T0162 P		Lime	<i>Tilia sp.</i>	13	210	1	4	3	4	4	2	2	South	M	Fair	Fair	Single stem forming spreading crown from 2m.	None.	10+	C1	18.0955 7368	2.4	
06 T0163 P		Sycamore	<i>Acer pseudoplatanus</i>	12	150	1	3	3	3	3	3	2	South	SM	Fair	Fair	Single stem forming spreading crown from 2m.	None.	10+	C1	10.1787 602	1.8	Fell for footway widening and wall reconstruction
06 T0164 P		Sycamore	<i>Acer pseudoplatanus</i>	12	180	1	3	3	4	3	3	3	South	SM	Fair	Fair	Single stem forming spreading crown from 3m.	None.	10+	C1	13.8544 236	2.1	Fell for footway widening and wall reconstruction
06 T0165 P		Sycamore	<i>Acer pseudoplatanus</i>	12	240	1	3	2	4	3	2	2	West	SM	Fair	Fair	Single stem forming spreading crown from 2m.	None.	10+	C1	28.2743 3388	3	Fell for footway widening and wall reconstruction
06 T0166 P		Sycamore	<i>Acer pseudoplatanus</i>	13	250	1	3	4	4	4	3	3	West	SM	Fair	Fair	Single stem forming spreading crown from 3m.	None.	10+	C1	28.2743 3388	3	
06 T0167 P		Ash	<i>Fraxinus excelsior</i>	13	280	1	3	3	4	3	4	3	North	EM	Fair	Fair	Single stem forming spreading crown from 3m.	None.	10+	C1	34.2119 44	3.3	
06 T0168 P		Sycamore	<i>Acer pseudoplatanus</i>	13	290	1	4	4	4	3	4	3	East	EM	Fair	Fair	Single stem forming spreading crown from 3m.	None.	10+	C1	40.7150 4079	3.6	
06 T0169 P		Sycamore	<i>Acer pseudoplatanus</i>	13	220	1	4	4	4	4	3	3	West	SM	Fair	Fair	Single stem forming spreading crown from 3m.	None.	10+	C1	22.9022 1044	2.7	
06 T0170 P		Sycamore	<i>Acer pseudoplatanus</i>	12	240	1	3	4	4	4	4	3	West	SM	Fair	Fair	Single stem forming spreading crown from 3m.	None.	10+	C1	28.2743 3388	3	
06 T0171 P		Sycamore	<i>Acer pseudoplatanus</i>	12	220	1	3	4	4	3	3	3	North	SM	Fair	Fair	Single stem forming spreading crown from 3m.	None.	10+	C1	22.9022 1044	2.7	
06 T0172 P		Sycamore	<i>Acer pseudoplatanus</i>	12	240	1	4	3	4	4	3	2	West	SM	Fair	Fair	Single stem forming spreading crown from 2m.	None.	10+	C1	28.2743 3388	3	
06 T0173 P		Sycamore	<i>Acer pseudoplatanus</i>	12	260	1	4	3	4	2	2	2	East	SM	Fair	Fair	Single stem forming spreading crown from 1m.	None.	10+	C1	28.2743 3388	3	
06 T0174 P		Sycamore	<i>Acer pseudoplatanus</i>	12	260	1	3	3	4	3	2	1	West	SM	Fair	Fair	Single stem forming spreading crown from 2m.	None.	10+	C1	28.2743 3388	3	
06 G0175 P		Sycamore	<i>Acer pseudoplatanus</i>	11	240	1	4	4	4	4	2	2	South	SM	Fair	Fair	Dense ivy clad stems comprising sycamore and ash that extend east into woodland.	None.	10+	C1	28.2743 3388	3	Fell for footway widening and wall reconstruction
06 T0176 P		Lime	<i>Tilia sp.</i>	11	240	1	5	3	4	3	2	2	East	SM	Fair	Fair	Single stem forming spreading crown.	None.	10+	C1	28.2743 3388	3	
06 T0177 P		Lime	<i>Tilia sp.</i>	11	270	1	5	3	4	3	2	1	East	EM	Fair	Fair	Single stem forming spreading crown.	None.	10+	C1	34.2119 44	3.3	
06 T0178 P		Oak	<i>Quercus robur</i>	12	290	1	4	3	4	3	2	2	South	EM	Fair	Fair	Single stem forming spreading crown.	None.	10+	C1	40.7150 4079	3.6	
06 T0179 P		Lime	<i>Tilia sp.</i>	11	240	1	5	2	2	3	2	2	North	SM	Fair	Fair	Single stem forming spreading crown.	None.	10+	C1	28.2743 3388	3	
06 T0180 P		Lime	<i>Tilia sp.</i>	12	370	1	5	4	4	2	1	2	North	M	Fair	Fair	Single stem forming spreading crown.	None.	20+	B1	63.6172 5124	4.5	Fell for footway widening and wall reconstruction
06 T0181 P		Lime	<i>Tilia sp.</i>	13	360	1	5	4	3	4	2	1	North	M	Fair	Fair	Single stem forming spreading crown.	None.	20+	B1	55.4176 9441	4.2	
06 T0182 P		Lime	<i>Tilia sp.</i>	13	320	1	4	3	4	3	1	1	North	M	Fair	Fair	Single stem forming spreading crown.	None.	20+	B1	47.7836 2426	3.9	Fell for footway widening and wall reconstruction

Tree No.	Tag No.	Species	Botanical Name	Height (m)	DBH (mm)	No. of stems	Canopy Spread				Canopy Clearance (m)	Lower branch height (m)	Lower branch direction	Age	Physiological condition	Structural condition	Comments	Recommendations	U.L.E	Category	RPA (m3)	RPA radial distance (m)	Work Recommendations to Facilitate the Proposed Development
							N	E	S	W													
06 T0183 P		Oak	<i>Quercus robur</i>	11	180	1	5	4	4	4	2	2	East	SM	Fair	Fair	Single stem forming spreading crown.	None.	10+	C1	13.8544 236	2.1	
06 T0184 P		Oak	<i>Quercus robur</i>	11	160	1	4	3	4	3	2	1	North	SM	Fair	Fair	Single stem forming spreading crown.	None.	10+	C1	10.1787 602	1.8	
06 T0185 P		Oak	<i>Quercus robur</i>	11	280	1	4	2	4	3	3	2	East	SM	Fair	Fair	Single stem forming spreading crown.	None.	10+	C1	34.2119 44	3.3	Fell for footway widening and wall reconstruction
06 T0186 P		Oak	<i>Quercus robur</i>	11	180	1	4	3	4	3	3	3	West	SM	Fair	Fair	Single stem forming spreading crown.	None.	10+	C1	13.8544 236	2.1	
06 T0187 P		Norway maple	<i>Acer platanoides</i>	12	320	1	5	4	5	4	4	3	North	M	Fair	Fair	Single stem forming spreading crown.	None.	20+	B1	47.7836 2426	3.9	
06 T0188 P		Sycamore	<i>Acer pseudoplatanus</i>	12	320	1	4	4	4	3	3	3	North	M	Fair	Fair	Single stem forming spreading crown.	None.	20+	B1	47.7836 2426	3.9	
06 T0189 P		Norway maple	<i>Acer platanoides</i>	11	220	1	5	3	2	4	4	3	West	SM	Fair	Fair	Single stem forming spreading crown.	None.	10+	C1	22.9022 1044	2.7	Fell for footway widening and wall reconstruction
06 T0190 P		Norway maple	<i>Acer platanoides</i>	13	330	1	6	4	2	4	3	3	West	M	Fair	Fair	Single stem forming spreading crown.	None.	20+	B1	47.7836 2426	3.9	Fell for footway widening and wall reconstruction
06 T0191 P		Norway maple	<i>Acer platanoides</i>	13	350	1	4	4	5	2	3	2	West	M	Fair	Fair	Single stem forming spreading crown.	None.	20+	B1	55.4176 9441	4.2	Fell for footway widening and wall reconstruction
06 T0192 P		Norway maple	<i>Acer platanoides</i>	13	340	1	5	3	2	3	3	2	West	M	Fair	Fair	Single stem forming spreading crown.	None.	20+	B1	55.4176 9441	4.2	
06 T0193 P		Norway maple	<i>Acer platanoides</i>	13	420	1	4	4	6	4	3	3	North	M	Fair	Fair	Single stem forming spreading crown.	None.	20+	B1	81.7128 2492	5.1	Fell for footway widening and wall reconstruction
06 T0194 P		Norway maple	<i>Acer platanoides</i>	12	330	1	4	3	4	3	2	3	North	M	Fair	Fair	Single stem forming spreading crown.	None.	20+	B1	47.7836 2426	3.9	Fell for footway widening and wall reconstruction
06 T0195 P		Norway maple	<i>Acer platanoides</i>	13	480	1	7	3	3	2	2	3	South	M	Fair	Fair	Single stem forming spreading crown.	None.	20+	B1	102.070 3453	5.7	Fell for footway widening and wall reconstruction
06 T0196 P		Norway maple	<i>Acer platanoides</i>	13	310	1	5	4	4	4	2	2	North	M	Fair	Fair	Single stem forming spreading crown.	None.	20+	B1	40.7150 4079	3.6	Fell for footway widening and wall reconstruction
06 T0197 P		Norway maple	<i>Acer platanoides</i>	14	390	1	6	4	4	3	2	2	West	M	Fair	Fair	Single stem forming spreading crown.	None.	20+	B1	72.3822 9474	4.8	
06 T0198 P		Norway maple	<i>Acer platanoides</i>	13	380	1	6	4	5	3	2	3	East	M	Fair	Fair	Single stem forming spreading crown.	None.	20+	B1	63.6172 5124	4.5	Fell for footway widening and wall reconstruction
06 T0199 P		Norway maple	<i>Acer platanoides</i>	13	350	1	6	3	2	4	1	2	East	M	Fair	Fair	Single stem forming spreading crown.	None.	20+	B1	55.4176 9441	4.2	
06 T0200 P		Norway maple	<i>Acer platanoides</i>	13	380	1	3	5	5	3	2	3	North	M	Fair	Fair	Single stem forming spreading crown.	None.	20+	B1	63.6172 5124	4.5	Fell for footway widening and wall reconstruction
06 T0201 P		Norway maple	<i>Acer platanoides</i>	12	380	1	6	4	3	4	1	3	North	M	Fair	Fair	Single stem forming spreading crown.	None.	20+	B1	63.6172 5124	4.5	
06 T0202 P		Norway maple	<i>Acer platanoides</i>	14	380	1	3	4	6	4	2	2	West	M	Fair	Fair	Single stem forming spreading crown.	None.	20+	B1	63.6172 5124	4.5	Fell for footway widening and wall reconstruction
06 T0203 P		Norway maple	<i>Acer platanoides</i>	12	320	1	5	4	4	3	2	3	North	M	Fair	Fair	Single stem forming spreading crown.	None.	20+	B1	47.7836 2426	3.9	

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							N	E	S	W													
06 T0204 P		Norway maple	<i>Acer platanoides</i>	13	400	1	6	3	4	3	2	2	West	M	Fair	Fair	Single stem forming spreading crown.	None.	20+	B1	72.3822 9474	4.8	
06 T0205 P		Norway maple	<i>Acer platanoides</i>	13	330	1	3	3	6	3	1	2	West	M	Fair	Fair	Single stem forming spreading crown.	None.	20+	B1	47.7836 2426	3.9	Fell for footway widening and wall reconstruction
06 T0206 P		Norway maple	<i>Acer platanoides</i>	13	380	1	3	3	5	4	1	3	West	M	Fair	Fair	Single stem forming spreading crown.	None.	20+	B1	63.6172 5124	4.5	Fell for footway widening and wall reconstruction
06 T0207 P		Norway maple	<i>Acer platanoides</i>	13	420	1	6	4	4	5	2	2	West	M	Fair	Fair	Single stem forming spreading crown.	None.	20+	B1	81.7128 2492	5.1	
06 T0208 P		Norway maple	<i>Acer platanoides</i>	12	360	1	5	4	3	4	2	3	North	M	Fair	Fair	Single stem forming spreading crown.	None.	20+	B1	55.4176 9441	4.2	
06 T0209 P		Norway maple	<i>Acer platanoides</i>	12	250	1	3	3	3	4	2	2	East	SM	Fair	Fair	Single stem forming spreading crown.	None.	10+	C1	28.2743 3388	3	
06 T0210 P		Norway maple	<i>Acer platanoides</i>	13	360	1	5	4	3	3	1	2	North	M	Fair	Fair	Single stem forming spreading crown.	None.	20+	B1	55.4176 9441	4.2	
06 T0211 P		Norway maple	<i>Acer platanoides</i>	13	400	1	6	4	4	3	2	1	North	M	Fair	Fair	Single stem forming spreading crown.	None.	20+	B1	72.3822 9474	4.8	
06 T0212 P		Norway maple	<i>Acer platanoides</i>	12	410	1	6	4	5	3	2	2	North	M	Fair	Fair	Single stem forming spreading crown.	None.	20+	B1	72.3822 9474	4.8	Fell for golf netting
06 T0213 P		Norway maple	<i>Acer platanoides</i>	11	160	1	3	2	2	4	2	2	East	SM	Fair	Fair	Single stem forming spreading crown.	None.	10+	C1	10.1787 602	1.8	Fell for golf netting
06 T0214 P		Norway maple	<i>Acer platanoides</i>	12	360	1	5	3	5	4	2	2	South	M	Fair	Fair	Single stem forming spreading crown.	None.	20+	B1	55.4176 9441	4.2	Fell for footway widening and wall reconstruction
06 T0215 P		Norway maple	<i>Acer pseudoplatanus</i>	13	380	1	6	4	5	4	2	2	South	M	Fair	Fair	Single stem forming spreading crown.	None.	20+	B1	63.6172 5124	4.5	Crown reduce to south to give a 1.5-2m clearance of the proposed golf netting
06 T0216 P		Norway maple	<i>Acer platanoides</i>	13	300	1	6	3	4	4	1	2	North	M	Fair	Fair	Single stem forming spreading crown.	None.	20+	B1	40.7150 4079	3.6	Fell for golf netting
06 T0217 P		Norway maple	<i>Acer platanoides</i>	13	320	1	6	2	4	4	1	2	South	M	Fair	Fair	Single stem forming spreading crown.	None.	20+	B1	47.7836 2426	3.9	Fell for golf netting
06 T0218 P		Lime	<i>Tilia sp.</i>	12	170	1	2	2	4	3	1	2	North	SM	Fair	Fair	Single stem forming spreading crown.	None.	10+	C1	13.8544 236	2.1	Fell for golf netting
06 T0219 P		Norway maple	<i>Acer platanoides</i>	13	350	1	6	4	4	4	1	2	North	M	Fair	Fair	Single stem forming spreading crown.	None.	20+	B1	55.4176 9441	4.2	Fell for golf netting
06 T0220 P		Lime	<i>Tilia sp.</i>	12	240	1	4	2	3	3	2	3	West	SM	Fair	Fair	Single stem forming spreading crown.	None.	10+	C1	28.2743 3388	3	
06 T0221 P		Norway maple	<i>Acer platanoides</i>	12	250	1	5	3	4	3	2	2	East	SM	Fair	Fair	Single stem forming spreading crown.	None.	10+	C1	28.2743 3388	3	Crown reduce to south to give a 1.5-2m clearance of the proposed golf netting
06 T0222 P		Norway maple	<i>Acer platanoides</i>	12	420	1	6	5	5	4	2	1	West	M	Fair	Fair	Single stem forming spreading crown.	None.	20+	B1	81.7128 2492	5.1	Fell for golf netting
06 T0223 P		Lime	<i>Tilia sp.</i>	12	250	1	3	2	3	3	2	3	West	SM	Fair	Fair	Single stem forming compact crown.	None.	10+	C1	28.2743 3388	3	Crown reduce to south to give a 1.5-2m clearance of the proposed golf netting

Tree No.	Tag No.	Species	Botanical Name	Height (m)	DBH (mm)	No. of stems	Canopy Spread				Canopy Clearance (m)	Lower branch height (m)	Lower branch direction	Age	Physiological condition	Structural condition	Comments	Recommendations	U.L.E	Category	RPA (m3)	RPA radial distance (m)	Work Recommendations to Facilitate the Proposed Development
							N	E	S	W													
06 T0224 P		Norway maple	<i>Acer platanoides</i>	13	410	1	5	5	3	4	2	3	East	M	Fair	Fair	Single stem forming spreading crown.	None.	20+	B1	72.3822 9474	4.8	
06 T0225 P		Norway maple	<i>Acer platanoides</i>	12	240	1	3	4	5	3	3	3	West	SM	Fair	Fair	Single stem forming compact crown.	None.	10+	C1	28.2743 3388	3	Fell for golf netting
06 T0226 P		Norway maple	<i>Acer platanoides</i>	12	150	1	2	1	4	3	2	2	North	SM	Fair	Fair	Single stem forming compact crown.	None.	10+	C1	10.1787 602	1.8	Fell for golf netting
06 T0227 P		Norway maple	<i>Acer platanoides</i>	12	250	1	3	2	2	3	2	2	North	SM	Fair	Fair	Single stem forming compact crown.	None.	10+	C1	28.2743 3388	3	
06 T0228 P		Norway maple	<i>Acer platanoides</i>	11	280	1	3	1	2	1	2	2	East	SM	Fair	Fair	Single stem forming compact crown.	None.	10+	C1	34.2119 44	3.3	Fell for footway widening and wall reconstruction
06 T0229 P		Lime	<i>Tilia sp.</i>	12	250	1	3	3	3	2	2	3	North	SM	Fair	Fair	Single stem forming compact crown.	None.	10+	C1	28.2743 3388	3	Fell for footway widening and wall reconstruction
06 T0230 P		Sycamore	<i>Acer pseudoplatanus</i>	12	230	1	2	2	3	2	2	3	East	SM	Fair	Fair	Single stem forming compact crown.	None.	10+	C1	22.9022 1044	2.7	Fell for golf netting
06 T0231 P		Sycamore	<i>Acer pseudoplatanus</i>	11	260	1	2	1	3	2	2	1	South	SM	Fair	Fair	Single stem forming compact crown.	None.	10+	C1	28.2743 3388	3	Fell for footway widening and wall reconstruction
06 T0232 P		Sycamore	<i>Acer pseudoplatanus</i>	11	180	1	3	1	2	2	3	2	West	SM	Fair	Fair	Single stem forming compact crown.	None.	10+	C1	13.8544 236	2.1	Fell for golf netting
06 T0233 P		Sycamore	<i>Acer pseudoplatanus</i>	13	320	1	4	2	4	2	2	2	West	M	Fair	Fair	Single stem forming spreading crown.	None.	20+	C1	47.7836 2426	3.9	Fell for footway widening and wall reconstruction
06 T0234 P		Sycamore	<i>Acer pseudoplatanus</i>	11	160	1	2	1	2	2	2	2	West	SM	Fair	Fair	Single stem forming compact crown.	None.	10+	C1	10.1787 602	1.8	Fell for footway widening and wall reconstruction
06 T0235 P		Sycamore	<i>Acer pseudoplatanus</i>	11	210	1	3	2	2	1	3	3	North	SM	Fair	Fair	Single stem forming compact crown.	None.	10+	C1	18.0955 7368	2.4	Fell for footway widening and wall reconstruction
06 T0236 P		Sycamore	<i>Acer pseudoplatanus</i>	11	280	1	4	2	2	2	2	2	North	SM	Fair	Fair	Single stem forming spreading crown.	None.	10+	C1	34.2119 44	3.3	Fell for golf netting
06 T0237 P		Sycamore	<i>Acer pseudoplatanus</i>	12	320	1	5	4	4	3	3	3	South	M	Fair	Fair	Single stem forming spreading crown.	None.	20+	B1	47.7836 2426	3.9	Fell for golf netting
06 T0238 P		Sycamore	<i>Acer pseudoplatanus</i>	12	200	1	3	2	3	3	2	3	North	SM	Fair	Fair	Single stem forming spreading crown.	None.	10+	C1	18.0955 7368	2.4	Fell for golf netting
06 T0239 P		Sycamore	<i>Acer pseudoplatanus</i>	11	170	1	3	3	3	2	2	3	East	SM	Fair	Fair	Single stem forming compact crown.	None.	10+	C1	13.8544 236	2.1	Fell for golf netting
06 T0240 P		Sycamore	<i>Acer pseudoplatanus</i>	11	180	1	4	2	4	3	3	3	South	SM	Fair	Fair	Single stem forming spreading crown.	None.	10+	C1	13.8544 236	2.1	Fell for footway widening and wall reconstruction
06 T0241 P		Sycamore	<i>Acer pseudoplatanus</i>	11	280	1	4	2	4	2	3	3	North	SM	Fair	Fair	Single stem forming spreading crown.	None.	10+	C1	34.2119 44	3.3	Fell for golf netting
06 T0242 P		Sycamore	<i>Acer pseudoplatanus</i>	11	170	1	3	1	4	2	2	2	North	SM	Poor	Poor	Dead.	Fell and replace as good arboricultural practice (<3 months).	<10	U	13.8544 236	2.1	Fell for footway widening and wall reconstruction
06 T0243 P		Sycamore	<i>Acer pseudoplatanus</i>	12	240	1	4	1	3	1	2	2	North	SM	Fair	Fair	Single stem forming compact crown.	None.	10+	C1	28.2743 3388	3	Fell for footway widening and wall reconstruction

Tree No.	Tag No.	Species	Botanical Name	Height (m)	DBH (mm)	No. of stems	Canopy Spread				Canopy Clearance (m)	Lower branch height (m)	Lower branch direction	Age	Physiological condition	Structural condition	Comments	Recommendations	U.L.E	Category	RPA (m3)	RPA radial distance (m)	Work Recommendations to Facilitate the Proposed Development
							N	E	S	W													
06 T0244 P		Sycamore	<i>Acer pseudoplatanus</i>	12	210	1	4	2	3	2	2	3	West	SM	Fair	Fair	Single stem forming spreading crown.	None.	10+	C1	18.0955 7368	2.4	Fell for footway widening and wall reconstruction
06 T0245 P		Sycamore	<i>Acer pseudoplatanus</i>	12	240	1	4	3	4	2	1	2	South	SM	Fair	Fair	Single stem, severe crown dieback throughout, in physiological decline with limited useful life expectancy.	Fell and replace as good arboricultural practice (<3 months).	<10	U	28.2743 3388	3	
06 T0246 P		Sycamore	<i>Acer pseudoplatanus</i>	11	180	1	3	1	3	2	2	2	West	SM	Fair	Fair	Single stem, severe crown dieback throughout, in physiological decline with limited useful life expectancy.	Fell and replace as good arboricultural practice (<3 months).	<10	U	13.8544 236	2.1	
06 T0247 P		Lime	<i>Tilia sp.</i>	11	280	1	3	2	3	2	2	3	East	SM	Fair	Fair	Single stem forming spreading crown.	None.	10+	C1	34.2119 44	3.3	Fell for footway widening and wall reconstruction
06 T0248 P		Lime	<i>Tilia sp.</i>	11	260	1	3	2	4	2	1	3	East	SM	Fair	Fair	Single stem forming spreading crown.	None.	10+	C1	28.2743 3388	3	Fell for footway widening and wall reconstruction
06 T0249 P		Sycamore	<i>Acer pseudoplatanus</i>	11	200	1	2	2	2	2	3	2	South	SM	Fair	Fair	Single stem forming spreading crown.	None.	10+	C1	18.0955 7368	2.4	
06 T0250 P		Sycamore	<i>Acer pseudoplatanus</i>	12	330	1	4	3	4	2	2	3	West	M	Fair	Fair	Single stem forming spreading crown.	None.	20+	B1	47.7836 2426	3.9	Fell for golf netting
06 T0251 P		Sycamore	<i>Acer pseudoplatanus</i>	12	250	1	2	2	3	2	2	2	West	SM	Fair	Fair	Single stem forming spreading crown.	None.	10+	C1	28.2743 3388	3	Fell for footway widening and wall reconstruction
06 T0252 P		Ash	<i>Fraxinus excelsior</i>	13	350	1	6	4	5	3	2	3	West	M	Fair	Fair	Single stem forming spreading crown.	None.	20+	B1	55.4176 9441	4.2	Fell for footway widening and wall reconstruction
06 T0253 P		Ash	<i>Fraxinus excelsior</i>	13	300	1	6	4	3	3	1	3	West	M	Fair	Fair	Single stem forming spreading crown.	None.	20+	B1	40.7150 4079	3.6	Fell for golf netting
06 T0254 P		Ash	<i>Fraxinus excelsior</i>	13	340	1	6	4	3	3	3	3	East	M	Fair	Fair	Single stem forming spreading crown.	None.	20+	B1	55.4176 9441	4.2	Fell for golf netting
06 T0255 P		Ash	<i>Fraxinus excelsior</i>	13	320	1	5	3	5	3	2	2	North	M	Fair	Fair	Single stem forming spreading crown.	None.	20+	B1	47.7836 2426	3.9	Fell for footway widening and wall reconstruction
06 T0256 P		Oak	<i>Quercus robur</i>	13	300	1	5	4	5	2	2	2	North	M	Fair	Fair	Single stem forming spreading crown.	None.	20+	B1	40.7150 4079	3.6	Crown reduce to south to give a 1.5-2m clearance of the proposed golf netting
06 T0257 P		Ash	<i>Fraxinus excelsior</i>	13	370	1	6	3	4	2	2	2	North	M	Fair	Fair	Single stem forming spreading crown.	None.	20+	B1	63.6172 5124	4.5	Fell for footway widening and wall reconstruction
06 T0258 P		Lime	<i>Tilia sp.</i>	13	380	1	3	4	5	4	2	2	North	M	Fair	Fair	Single stem forming spreading crown.	None.	20+	B1	63.6172 5124	4.5	Fell for footway widening and wall reconstruction
06 T0259 P		Ash	<i>Fraxinus excelsior</i>	14	420	1	6	5	3	4	2	3	East	M	Fair	Fair	Single stem forming spreading crown.	None.	20+	B1	81.7128 2492	5.1	Fell for golf netting
06 T0260 P		Ash	<i>Fraxinus excelsior</i>	12	180	1	3	2	4	3	2	2	North	SM	Fair	Fair	Single stem forming spreading crown.	None.	10+	C1	13.8544 236	2.1	Fell for footway widening and wall reconstruction
06 T0261 P		Ash	<i>Fraxinus excelsior</i>	12	310	1	5	2	5	3	2	3	East	M	Fair	Fair	Single stem forming spreading crown.	None.	20+	B1	40.7150 4079	3.6	Fell for footway widening and wall reconstruction
06 T0262 P		Lime	<i>Tilia sp.</i>	13	280	1	2	1	3	2	2	2	West	SM	Fair	Fair	Single stem forming spreading crown.	None.	10+	C1	34.2119 44	3.3	Fell for golf netting

Tree No.	Tag No.	Species	Botanical Name	Height (m)	DBH (mm)	No. of stems	Canopy Spread				Canopy Clearance (m)	Lower branch height (m)	Lower branch direction	Age	Physiological condition	Structural condition	Comments	Recommendations	U.L.E	Category	RPA (m3)	RPA radial distance (m)	Work Recommendations to Facilitate the Proposed Development
							N	E	S	W													
06 T0263 P		Ash	<i>Fraxinus excelsior</i>	12	240	1	3	2	3	2	2	1	South	SM	Fair	Fair	Single stem forming spreading crown.	None.	10+	C1	28.2743 3388	3	Fell for golf netting
06 T0264 P		Ash	<i>Fraxinus excelsior</i>	13	370	1	6	4	5	3	3	1	West	M	Fair	Fair	Single stem forming spreading crown.	None.	20+	B1	63.6172 5124	4.5	
06 T0265 P		Ash	<i>Fraxinus excelsior</i>	13	330	1	5	3	5	2	3	2	North	M	Fair	Fair	Single stem forming spreading crown.	None.	20+	B1	47.7836 2426	3.9	
06 T0266 P		Ash	<i>Fraxinus excelsior</i>	13	300	1	5	3	5	2	2	2	North	M	Fair	Fair	Single stem forming spreading crown.	None.	20+	B1	40.7150 4079	3.6	
06 T0267 P		Ash	<i>Fraxinus excelsior</i>	14	280	1	4	3	4	3	2	3	West	SM	Fair	Fair	Single stem forming spreading crown.	None.	10+	C1	34.2119 44	3.3	
06 T0268 P		Ash	<i>Fraxinus excelsior</i>	13	270	1	4	2	4	3	1	2	East	SM	Fair	Fair	Single stem forming spreading crown.	None.	10+	C1	34.2119 44	3.3	
06 T0269 P		Ash	<i>Fraxinus excelsior</i>	12	250	1	3	2	4	2	3	2	West	SM	Fair	Fair	Single stem forming spreading crown.	None.	10+	C1	28.2743 3388	3	
06 T0270 P		Ash	<i>Fraxinus excelsior</i>	12	260	1	5	3	4	3	2	2	North	SM	Fair	Fair	Single stem forming spreading crown.	None.	10+	C1	28.2743 3388	3	
06 T0271 P		Ash	<i>Fraxinus excelsior</i>	13	450	1	5	3	5	3	2	1	East	M	Fair	Fair	Single stem forming spreading crown.	None.	20+	B1	91.6088 4178	5.4	Fell for footway widening and wall reconstruction
06 T0272 P		Ash	<i>Fraxinus excelsior</i>	13	400	1	5	2	5	3	2	2	East	M	Fair	Fair	Single stem forming spreading crown.	None.	20+	B1	72.3822 9474	4.8	
06 G0273 P		Sycamore	<i>Acer pseudoplatanus</i>	14	350#	1	3	3	3	3	2	2	South	M	Fair	Fair	Dense group behind stone wall on private land.	None.	10+	C2	64	5	Fell in part as per TPP for cycleway and drainage. No dig surfacing
06 G0274 P		Mixed Species Group	N/a	16	380#	1	3	3	3	3	2	2	South	M	Fair	Fair	Mixed species group comprising ash, sycamore, horse chestnut, cherry and birch behind stone wall on private land.	None.	10+	C2	55	4	No dig surfacing
06 T0275 P*		Horse chestnut	<i>Aesculus hippocastanum</i>	17	1250#	1	8	8	8	8	0	2	South	V	Poor	Fair	Single stem forming spreading crown, severe crown dieback with retrenchment in upper crown, notable tree with future veteran potential in senescence stage, behind steel palisade fence on private land.	None.	40+	A3	706.858 3471	15	
06 T0276 P*		Lime	<i>Tilia x europaea</i>	16	850#	1	6	6	7	6	0	0	South	M	Fair	Fair	Single ivy clad stem forming spreading crown behind steel palisade fence on private land.	None.	20+	B1	326.851 2997	10.2	
06 T0277 P*		Horse chestnut	<i>Aesculus hippocastanum</i>	18	950#	1	6	6	7	7	1	2	South	M	Poor	Fair	Single stem forming spreading crown, dieback throughout, behind steel palisade fence on private land.	None.	20+	B1	408.281 3813	11.4	
06 G0278		Birch	<i>Betula pubescens</i>	10	120	1	3	3	3	3	0	0	West	SM	Fair	Fair	Dense group of stems in central reservation.	None.	10+	C2	7.06858 3471	1.5	
06 G0279	4115	Mixed Species Group	N/a	15	280	1	4	4	4	4	0	0	East	SM	Fair	Fair	Dense linear group comprising ash, sycamore and leylandii on ground c.2m above road behind stone wall.	None.	10+	C2	34.2119 44	3.3	Fell in part as per TPP for new ramp/hard surface
06 T0280 *	4116	Balsam poplar	<i>Populus balsamifera</i>	18	600	1	7	5	6	5	8	8	North	M	Fair	Fair	Single ivy clad stem forming spreading crown, on land c.2m above road behind stone retaining wall.	None.	20+	B1	162.860 1632	7.2	Fell for new ramp/hard surface
06 T0281 *	4117	Balsam poplar	<i>Populus balsamifera</i>	17	520	1	7	5	4	3	6	8	East	M	Fair	Fair	Single ivy clad stem forming asymmetric spreading crown on land c.2m above road behind stone retaining wall.	None.	20+	B1	124.689 8124	6.3	Fell for new ramp/hard surface

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							N	E	S	W													
06 T0282 *	4118	Balsam poplar	<i>Populus balsamifera</i>	15	360	1	4	5	3	2	2	3	East	EM	Fair	Fair	Single ivy clad stem forming asymmetric spreading crown on land c.2m above road behind stone retaining wall.	None.	10+	C1	55.4176 9441	4.2	Fell for new ramp/hard surface
06 G0283		Mixed Species Group	N/a	10	90	1	3	3	3	3	0	0	East	Y	Fair	Fair	Mixed species understorey comprising ash, alder and birch behind stone wall.	None.	10+	C2	4.52389 3421	1.2	
06 G0284	4113	Mixed Species Group	N/a	15	280	1	4	4	4	4	1	0	East	EM	Fair	Fair	Linear group comprising ash and sycamore forming dense spreading canopy, on land c.2m above road behind stone wall.	None.	10+	C2	34.2119 44	3.3	Fell in part as per TPP for new cycleway
06 G0285	4114	Mixed Species Group	N/a	12	250	1	3	3	3	3	1	0	South	EM	Fair	Fair	Linear group comprising hazel, elder, hawthorn and birch forming dense canopy on land c.2m above road behind stone wall.	None.	10+	C2	28.2743 3388	3	
06 T0286 P		Plum	<i>Prunus domestica</i>	5	160#	2	3	3	3	3	2	0	South	SM	Fair	Fair	Multistem specimen behind stone wall in private garden.	None.	10+	C1	13.8544 236	2.1	
06 T0287 P		Purple plum	<i>Prunus cerasifera 'Pissardii'</i>	5	200#	3	3	3	3	3	2	0	East	SM	Fair	Fair	Multistem specimen behind stone wall in private garden.	None.	10+	C1	18.0955 7368	2.4	
06 G0288 P		Leylandii	<i>Cupressocyparis leylandii</i>	11	220#	1	2	2	2	2	2	0	South	EM	Fair	Fair	Linear group of 4 forming merged canopy behind stone wall in private garden.	None.	10+	C1	22.9022 1044	2.7	
06 T0289 P		Wild cherry	<i>Prunus avium</i>	7	180#	1	2	2	1	1	2	2	East	SM	Fair	Fair	Compact crown behind stone wall in private garden.	None.	10+	C1	13.8544 236	2.1	
06 H0290 P		New Zealand Privet	<i>Griselinia littoralis</i>	2	120#	1	1	1	1	1	0	0	South	SM	Fair	Fair	Linear hedge behind stone wall in private garden.	None.	10+	C1	7.06858 3471	1.5	
06 T0291 P		Ash	<i>Fraxinus excelsior</i>	10	260#	5	3	3	3	3	1	0	East	SM	Fair	Fair	Multistem specimen forming symmetric crown in garden.	None.	10+	C1	28.2743 3388	3	
06 T0292 P		Alder	<i>Alnus glutinosa</i>	8	280#	1	2	3	2	3	2	3	East	SM	Fair	Fair	Single stem forming compact crown behind brick wall in private garden.	None.	10+	C1	34.2119 44	3.3	
06 T0293 P		Thuja	<i>Thuja sp.</i>	7	180#	1	1	1	1	1	2	1	South	SM	Fair	Fair	Compact crown behind brick wall in private garden.	None.	10+	C1	13.8544 236	2.1	
06 T0294	Not tagged (unsure of ownership)	Wild cherry	<i>Prunus avium</i>	14	580	1	5	5	5	4	5	3	East	M	Fair	Fair	Single stem forming spreading crown from 2m in grass verge by pavement.	None.	20+	B1	149.571 2262	6.9	
06 T0295	Not tagged (unsure of ownership)	Wild cherry	<i>Prunus avium</i>	12	380#	1	3	3	4	4	2	2	South	M	Fair	Fair	Single stem forming spreading crown from 2m in grass verge by pavement.	None.	20+	B1	63.6172 5124	4.5	
06 T0296 P		Holly	<i>Ilex sp.</i>	8	280#	1	3	3	3	3	2	1	South	EM	Fair	Fair	Compact crown behind brick wall in private garden.	None.	10+	C1	34.2119 44	3.3	
06 T0297 P		Thuja	<i>Thuja sp.</i>	12	300#	1	2	2	2	2	2	1	South	M	Fair	Fair	Compact crown behind brick wall in private garden.	None.	10+	C1	40.7150 4079	3.6	
06 T0298 P		Lime	<i>Tilia sp.</i>	18	800	1	5	6	5	6	4	0	South	M	Fair	Fair	Single stem forming spreading crown, minor dieback in upper crown, on grass behind stone wall c.1m above footpath.	None.	20+	B1	289.529 179	9.6	

Tree No.	Tag No.	Species	Botanical Name	Height (m)	DBH (mm)	No. of stems	Canopy Spread				Canopy Clearance (m)	Lower branch height (m)	Lower branch direction	Age	Physiological condition	Structural condition	Comments	Recommendations	U.L.E	Category	RPA (m3)	RPA radial distance (m)	Work Recommendations to Facilitate the Proposed Development
							N	E	S	W													
06 T0299 P		Ash	<i>Fraxinus excelsior</i>	17	500	2	4	4	6	4	6	0	South	M	Fair	Poor	Two ivy clad stems from ground spreading crown from 6m, on grass behind stone wall c.1m above footpath.	None.	10+	C1	113.097 3355	6	
06 T0300 P		Ash	<i>Fraxinus excelsior</i>	16	370	2	5	3	5	2	4	0	South	M	Fair	Poor	Two ivy clad stems forming asymmetric spreading crown from 3m, on grass behind stone wall c.1m above footpath.	None.	10+	C1	63.6172 5124	4.5	
06 T0301 P		Ash	<i>Fraxinus excelsior</i>	13	360	1	5	4	4	4	2	0	South	M	Fair	Poor	Single ivy clad stem forming spreading crown from 3m, on grass behind stone wall c.1m above footpath.	None.	10+	C1	55.4176 9441	4.2	
06 T0302 P		Japanese maple	<i>Acer palmatum</i>	6	160#	5	2	2	2	2	1	0	East	EM	Fair	Fair	Multistem specimen behind stone wall in private garden.	None.	10+	C1	13.8544 236	2.1	
06 T0303 P		Hawthorn	<i>Crataegus monogyna</i>	8	180	3	3	2	3	3	0	0	South	M	Fair	Fair	Multistem specimen on grass behind stone wall c.1m above footpath.	None.	10+	C1	13.8544 236	2.1	
06 T0304 P		Balsam poplar	<i>Populus balsamifera</i>	12	240	1	4	3	4	3	1	1	East	SM	Fair	Fair	Single leaning stem forming spreading crown, on grass behind stone wall c.1m above road level.	None.	10+	C1	28.2743 3388	3	
06 T0305 P		Ash	<i>Fraxinus excelsior</i>	13	260	1	4	4	4	4	1	1	North	SM	Fair	Fair	Single stem forming spreading crown on grass behind stone wall c.1m above road level.	None.	10+	C1	28.2743 3388	3	
06 T0306 P		Ash	<i>Fraxinus excelsior</i>	14	280	1	4	3	4	4	1	1	West	EM	Fair	Fair	Single stem forming spreading crown on grass behind stone wall c.1m above road level.	None.	10+	C1	34.2119 44	3.3	
06 T0307 P		Ash	<i>Fraxinus excelsior</i>	13	240	1	3	3	3	3	0	0	South	SM	Fair	Fair	Single stem forming spreading crown on grass behind stone wall c.1m above road level.	None.	10+	C1	28.2743 3388	3	
06 T0308 P		Ash	<i>Fraxinus excelsior</i>	12	310	1	4	3	4	3	2	2	West	EM	Fair	Fair	Single stem forming spreading crown on grass behind stone wall c.1m above road level.	None.	10+	C1	40.7150 4079	3.6	
06 T0309 P		Ash	<i>Fraxinus excelsior</i>	13	368.78 18	2	3	3	3	3	0	0	East	M	Fair	Fair	Two stems forming spreading crown on grass behind stone wall, c.1m above road level.	None.	10+	C1	63.6172 5124	4.5	
06 T0310 P		Ash	<i>Fraxinus excelsior</i>	14	391.02 43	3	3	3	2	3	0	0	East	M	Fair	Fair	Three stems forming spreading crown on grass behind stone wall c.1m above road level.	None.	10+	C1	72.3822 9474	4.8	
06 T0311 P		Ash	<i>Fraxinus excelsior</i>	13	380	1	3	3	3	3	0	0	South	M	Fair	Fair	Single stem forming spreading crown on grass behind stone wall c.1m above road level.	None.	10+	C1	63.6172 5124	4.5	
06 T0312 P		Balsam poplar	<i>Populus balsamifera</i>	13	206.63 98	4	4	3	4	3	0	0	East	SM	Fair	Fair	Multistem specimen forming spreading crown from base in grass behind stone wall c.1m above road level.	None.	10+	C1	18.0955 7368	2.4	
06 T0313 P		Hawthorn	<i>Crataegus monogyna</i>	7	280	1	3	2	3	2	0	1	South	EM	Fair	Poor	Single ivy clad stem previously topped, regrowth forming squat compact crown c.1m above road level.	None.	10+	C1	34.2119 44	3.3	
06 T0314 P		Elder	<i>Sambucus nigra</i>	6	178.04 49	3	3	2	3	2	0	0	East	EM	Fair	Poor	Multistem specimen forming bushy crown in grass behind stone wall c.1m above road level.	None.	10+	C1	13.8544 236	2.1	
06 T0315 P		Sycamore	<i>Acer pseudoplatanus</i>	14	560	1	4	4	5	4	2	2	South	M	Fair	Fair	Two ivy clad stems from 2m forming symmetric spreading crown, in grass behind stone wall c.1m above road level.	None.	20+	B1	136.847 776	6.6	
06 T0316 P		Wild cherry	<i>Prunus avium</i>	14	400	1	4	4	4	4	2	2	South	M	Fair	Fair	Dead.	Fell and replace as good arboricultural practice (<3 months).	>10	U	72.3822 9474	4.8	

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							N	E	S	W													
06 T0317 P		Wild cherry	<i>Prunus avium</i>	14	340	1	4	3	2	2	0	0	South	M	Fair	Fair	Single stem forming spreading crown, severe dieback, in physiological decline with limited useful life expectancy.	Fell and replace as good arboricultural practice (<3 months).	>10	U	55.4176 9441	4.2	
06 T0318 P		Balsam poplar	<i>Populus balsamifera</i>	8	90	1	1	1	1	1	1	1	South	SM	Fair	Fair	Single stem forming compact crown behind stone wall c.1m above road level.	None.	10+	C1	4.52389 3421	1.2	
06 T0319 P		Hawthorn	<i>Crataegus monogyna</i>	8	240	1	1	1	1	1	0	0	South	M	Fair	Fair	Compact crown on grass behind stone wall c1m above road level.	None.	10+	C1	28.2743 3388	3	
06 T0320 P		Sycamore	<i>Acer pseudoplatanus</i>	17	780	1	6	8	6	5	4	6	East	M	Fair	Fair	Single ivy clad stem forming spreading crown from 6m, on grass behind stone wall c.1m above road level.	None.	20+	B1	271.716 3486	9.3	
06 T0321 P		Thuja	<i>Thuja sp.</i>	8	180#	1	1	1	1	1	0	0	East	EM	Fair	Fair	Compact crown behind stone wall in private garden.	None.	10+	C1	13.8544 236	2.1	
06 T0322 P		Norway maple	<i>Acer platanoides</i>	6	230	1	2	2	2	2	2	2	East	EM	Fair	Poor	Single stem forming compact crown from 2m in private garden behind stone wall.	None.	10+	C1	22.9022 1044	2.7	
06 T0323 P		Birch	<i>Betula pubescens</i>	11	270	1	2	2	3	3	2	3	South	EM	Fair	Fair	Single stem forming compact crown from 3m, in gravel by pavement.	None.	20+	B1	34.2119 44	3.3	
06 T0324 P		Birch	<i>Betula pubescens</i>	11	200	1	3	3	2	2	1	2	East	SM	Fair	Fair	Single stem forming compact crown from 2m, in gravel by pavement.	None.	20+	B1	18.0955 7368	2.4	
06 T0325 P		Birch	<i>Betula pubescens</i>	11	160	1	2	2	2	2	2	2	South	SM	Fair	Fair	Single stem forming compact crown from 2m, in gravel by pavement.	None.	20+	B1	10.1787 602	1.8	
06 T0326 P		Birch	<i>Betula pubescens</i>	12	170	1	3	3	2	3	2	1	West	SM	Fair	Fair	Single stem forming compact crown from 2m, in gravel by pavement.	None.	20+	B1	13.8544 236	2.1	
06 T0327 P		Birch	<i>Betula pubescens</i>	11	240	1	2	3	3	3	2	2	South	SM	Fair	Fair	Single stem forming compact crown from 2m, in gravel by pavement.	None.	20+	B1	28.2743 3388	3	
06 H0328 P*		Privet	<i>Ligustrum ovalifolium</i>	4	100#	1	1	1	1	1	0	0	South	SM	Fair	Fair	Linear hedge behind brick wall.	None.	10+	C1	4.52389 3421	1.2	
06 H0329 P*		Leylandii	<i>Cupressocyparis leylandii</i>	13	260#	1	2	2	2	2	2	-	East	EM	Fair	Fair	Linear hedge behind brick wall.	None.	10+	C1	28.2743 3388	3	
06 T0330 P		Sycamore	<i>Acer pseudoplatanus</i>	15	390#	1	4	4	5	4	2	2	South	M	Fair	Fair	Single ivy clad stem forming spreading crown behind brick wall.	None.	20+	B1	72.3822 9474	4.8	
06 T0331 P		Wild cherry	<i>Prunus avium</i>	8	320#	1	3	2	1	2	2	2	North	M	Fair	Fair	Single stem forming asymmetric crown from 2m in church behind stone wall.	None.	10+	C1	47.7836 2426	3.9	
06 T0332 P		Wild cherry	<i>Prunus avium</i>	4	120#	1	1	1	1	1	2	2	East	M	Fair	Fair	Single stem with severe crown dieback throughout, in physiological decline with limited useful life expectancy.	Fell and replace as good arboricultural practice (<3 months).	<10	U	7.06858 3471	1.5	
06 T0333 P		Wild cherry	<i>Prunus avium</i>	6	240#	1	3	2	2	2	2	2	North	EM	Fair	Fair	Single stem forming compact crown from 2m.	None.	10+	C1	28.2743 3388	3	
06 T0334 P		Wild cherry	<i>Prunus avium</i>	8	300#	1	5	5	4	2	2	2	West	M	Fair	Fair	Single stem forming spreading crown from 2m.	None.	10+	C1	40.7150 4079	3.6	
06 T0335 P		Wild cherry	<i>Prunus avium</i>	9	280#	1	2	2	3	2	2	2	East	EM	Fair	Fair	Single stem forming compact crown from 2m.	None.	10+	C1	34.2119 44	3.3	

Tree No.	Tag No.	Species	Botanical Name	Height (m)	DBH (mm)	No. of stems	Canopy Spread				Canopy Clearance (m)	Lower branch height (m)	Lower branch direction	Age	Physiological condition	Structural condition	Comments	Recommendations	U.L.E	Category	RPA (m3)	RPA radial distance (m)	Work Recommendations to Facilitate the Proposed Development
							N	E	S	W													
06 T0336 P		Wild cherry	<i>Prunus avium</i>	5	200#	1	1	1	1	1	3	2	West	EM	Fair	Fair	Dead.	Fell and replace as good arboricultural practice (<3 months).	<10	U	18	2	
06 T0337 P		Wild cherry	<i>Prunus avium</i>	7	260#	1	3	2	3	3	3	2	West	EM	Fair	Fair	Single stem forming spreading crown from 2m.	None.	10+	C1	28.2743 3388	3	
06 T0338 P		Sycamore	<i>Acer pseudoplatanus</i>	7	210#	2	1	1	1	1	2	0	South	SM	Fair	Fair	Two stems from base forming compact crown behind brick wall.	None.	10+	C1	22.9022 1044	2.7	
06 G0339 P		Mixed Species Group	N/a	11	240#	1	2	2	2	2	2	0	South	EM	Fair	Fair	Mixed species group comprising purple beech, variegated sycamore, deodar cedar and birch in garden behind brick wall.	None.	10+	C1	28.2743 3388	3	
06 G0340 P		Beech	<i>Fagus sylvatica</i>	14	460#	1	4	4	4	4	5	4	East	M	Fair	Fair	Group of 3 that extends north in private garden, behind block wall.	None.	20+	B1	91.6088 4178	5.4	
06 T0341 P		Laburnum	<i>Laburnum anagyroides</i>	6	230#	1	2	2	2	2	1	2	North	EM	Fair	Fair	Compact crown behind stone wall in private garden.	None.	10+	C1	22.9022 1044	2.7	
06 G0342 P		Mixed Species Group	N/a	8	180#	1	2	2	2	2	2	0	East	SM	Fair	Fair	Mixed species group comprising plum and leylandii in private garden behind brick wall.	None.	10+	C1	13.8544 236	2.1	
06 T0343 P		Norway maple	<i>Acer platanoides 'Crimson King'</i>	9	160#	1	1	1	1	1	2	2	West	SM	Fair	Fair	Single stem forming compact crown from 2m in private garden behind brick wall.	None.	10+	C1	10.1787 602	1.8	
06 G0344 P		Leylandii	<i>Cupressocyparis leylandii</i>	6	140#	1	1	1	1	1	1	-	East	SM	Fair	Fair	Linear group extending south in verge by footpath.	None.	10+	C1	10.1787 602	1.8	
06 T0345 P		Rowan / Mountain Ash	<i>Sorbus aucuparia</i>	7	160	1	2	2	2	2	2	3	South	SM	Fair	Fair	Dead.	Fell and replace as good arboricultural practice (<3 months).	>10	U	10.1787 602	1.8	
06 T0346 P		Turkish hazel	<i>Corylus colurna</i>	10	280	1	3	3	3	3	2	3	East	EM	Fair	Fair	Single stem forming symmetric spreading crown on open grass behind stone wall.	None.	20+	B1	34.2119 44	3.3	
06 T0347 P		Turkish hazel	<i>Corylus colurna</i>	12	270	1	3	3	3	3	2	3	East	M	Fair	Fair	Single stem forming symmetric spreading crown on open grass behind stone wall.	None.	20+	B1	34.2119 44	3.3	
06 T0348 P		Turkish hazel	<i>Corylus colurna</i>	12	260	1	3	3	3	3	2	3	South	EM	Fair	Fair	Single stem forming symmetric spreading crown on open grass behind stone wall.	None.	20+	B1	28.2743 3388	3	
06 T0349 P		Turkish hazel	<i>Corylus colurna</i>	12	250	1	3	3	3	3	2	3	East	EM	Fair	Fair	Single stem forming symmetric spreading crown on open grass behind stone wall.	None.	20+	B1	28.2743 3388	3	
06 T0350 P		Turkish hazel	<i>Corylus colurna</i>	10	240	1	3	3	3	3	2	3	South	EM	Fair	Fair	Single stem forming symmetric spreading crown on open grass behind stone wall.	None.	20+	B1	28.2743 3388	3	
06 T0351 P		Turkish hazel	<i>Corylus colurna</i>	9	240	1	3	3	3	3	2	3	East	EM	Fair	Fair	Single stem forming symmetric spreading crown on open grass behind stone wall.	None.	20+	B1	28.2743 3388	3	
06 T0352 P		Turkish hazel	<i>Corylus colurna</i>	10	270	1	3	3	3	3	2	3	South	EM	Fair	Fair	Single stem forming symmetric spreading crown on open grass behind stone wall.	None.	20+	B1	34.2119 44	3.3	
06 T0353 P		Sycamore	<i>Acer pseudoplatanus</i>	9	250	1	2	2	2	2	4	3	South	EM	Fair	Fair	Single stem forming compact crown from 4m on open grass behind stone wall.	None.	10+	C1	28.2743 3388	3	
06 T0354 P		Turkish hazel	<i>Corylus colurna</i>	8	240	1	3	3	3	3	2	3	South	EM	Fair	Fair	Single stem forming symmetric spreading crown on open grass behind stone wall.	None.	20+	B1	28.2743 3388	3	

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							N	E	S	W													
06 T0355 P		Turkish hazel	<i>Corylus colurna</i>	8	200	1	3	3	3	3	1	3	South	EM	Fair	Fair	Single stem forming symmetric spreading crown on open grass behind stone wall.	None.	20+	B1	18.0955 7368	2.4	
06 T0356 P		Rowan / Mountain Ash	<i>Sorbus aucuparia</i>	8	270	1	3	3	3	3	1	3	South	EM	Fair	Fair	Dead.	Fell and replace as good arboricultural practice (<3 months).	>10	U	34.2119 44	3.3	
06 T0357 P		Turkish hazel	<i>Corylus colurna</i>	10	240	1	3	3	3	3	1	3	South	EM	Fair	Fair	Single stem forming symmetric spreading crown on open grass behind stone wall.	None.	20+	B1	28.2743 3388	3	
06 T0358 P		Turkish hazel	<i>Corylus colurna</i>	11	250	1	3	3	3	3	2	3	South	EM	Fair	Fair	Single stem forming symmetric spreading crown on open grass behind stone wall.	None.	20+	B1	28.2743 3388	3	
06 H0359 P		Elder	<i>Sambucus nigra</i>	3	90#	1	1	1	1	1	1	0	East	M	Fair	Fair	Linear hedge behind brick wall.	None.	10+	C1	4.52389 3421	1.2	
06 T0360 P		Wild cherry	<i>Prunus avium</i>	7	120#	2	3	3	3	3	3	0	East	SM	Fair	Poor	Twin stem forming spreading crown in private garden behind brick wall.	None.	10+	C1	7.06858 3471	1.5	
06 T0361 P		Whitebeam	<i>Sorbus aria</i>	8	210#	1	3	2	3	3	3	2	South	EM	Fair	Fair	Single stem forming spreading crown behind stone wall on private land.	None.	10+	C1	18.0955 7368	2.4	
06 T0362 P		Whitebeam	<i>Sorbus aria</i>	10	240#	1	3	2	3	3	3	2	East	EM	Fair	Fair	Single stem forming spreading crown behind stone wall on private land.	None.	10+	C1	28.2743 3388	3	
06 T0363 P		Whitebeam	<i>Sorbus aria</i>	8	240#	1	3	2	3	3	3	2	North	EM	Fair	Fair	Single stem forming spreading crown behind stone wall on private land.	None.	10+	C1	28.2743 3388	3	
06 T0364 P		Whitebeam	<i>Sorbus aria</i>	8	250#	1	3	2	3	3	4	2	South	EM	Fair	Fair	Single stem forming spreading crown behind stone wall on private land.	None.	10+	C1	28.2743 3388	3	
06 T0365 P*		Whitebeam	<i>Sorbus aria</i>	9	270#	1	3	2	3	3	3	2	East	EM	Fair	Fair	Single stem forming spreading crown behind stone wall on private land.	None.	10+	C1	34.2119 44	3.3	
06 T0366 P*		Rowan / Mountain Ash	<i>Sorbus aucuparia</i>	6	120#	1	2	2	2	1	2	2	North	SM	Poor	Fair	Single stem forming compact crown behind stone wall on private land.	None.	10+	C1	7.06858 3471	1.5	
06 T0367 P*		Rowan / Mountain Ash	<i>Sorbus aucuparia</i>	8	120#	1	2	1	2	2	3	2	East	SM	Poor	Fair	Single stem forming compact crown behind stone wall on private land.	None.	10+	C1	7.06858 3471	1.5	
06 T0368 P		Whitebeam	<i>Sorbus aria</i>	8	260#	1	3	2	3	2	2	2	East	EM	Fair	Fair	Single stem forming spreading crown behind stone wall on private land.	None.	10+	C1	28.2743 3388	3	
06 T0369 P		Whitebeam	<i>Sorbus aria</i>	8	240#	1	3	2	3	2	2	2	East	EM	Fair	Fair	Single stem forming spreading crown behind stone wall on private land.	None.	10+	C1	28.2743 3388	3	
06 T0370 P		Rowan / Mountain Ash	<i>Sorbus aucuparia</i>	6	110#	1	2	1	2	2	2	3	East	SM	Poor	Fair	Single stem forming compact crown behind stone wall on private land.	None.	10+	C1	4.52389 3421	1.2	
06 T0371 P		Birch	<i>Betula sp.</i>	11	260#	1	3	2	3	3	2	2	West	EM	Fair	Fair	Single stem forming spreading crown behind stone wall on private land.	None.	10+	C1	28.2743 3388	3	
06 T0372 P		Rowan / Mountain Ash	<i>Sorbus aucuparia</i>	6	90#	1	1	1	1	1	2	2	South	SM	Poor	Fair	Single stem forming compact crown behind stone wall on private land.	None.	10+	C1	4.52389 3421	1.2	
06 T0373 P		Wild cherry	<i>Prunus avium</i>	9	230#	1	4	3	4	3	2	3	East	EM	Fair	Fair	Single stem forming spreading crown behind stone wall on private land.	None.	10+	C1	22.9022 1044	2.7	
06 T0374	4119	Oak	<i>Quercus robur</i>	12	130	1	3	2	1	1	4	3	North	SM	Fair	Poor	Single stem forming asymmetric crown from 4m in pavement, shaded out by neighbouring whitebeam, staked in pavement.	None.	10+	C1	7.06858 3471	1.5	

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							N	E	S	W													
06 T0375	4120	Oak	<i>Quercus robur</i>	7	110	1	2	2	1	3	3	3	East	SM	Fair	Poor	Single stem forming asymmetric crown from 4m in pavement, shaded out by neighbouring whitebeam, in pavement.	None.	10+	C1	4.52389 3421	1.2	
06 T0376	4121	Turkish hazel	<i>Corylus colurna</i>	10	240	1	2	2	2	2	2	2	East	EM	Fair	Fair	Single stem forming compact crown on grass verge by footpath.	None.	10+	C1	28	3	
06 T0377	4122	Turkish hazel	<i>Corylus colurna</i>	10	240	1	2	2	2	2	2	2	West	EM	Fair	Fair	Single stem forming compact crown on grass verge by footpath.	None.	10+	C1	28	3	
06 T0378	4123	Turkish hazel	<i>Corylus colurna</i>	9	230	1	2	2	2	2	2	2	South	EM	Fair	Fair	Single stem forming compact crown on grass verge by footpath.	None.	10+	C1	23	3	
06 T0379		Field maple	<i>Acer campestre</i>	4	160	1	1	1	1	1	1	1	West	SM	Fair	Fair	Single stem forming compact crown on grass verge by footpath.	None.	10+	C1	10	2	
06 T0380		Field maple	<i>Acer campestre</i>	3	140	1	1	1	1	1	1	1	South	SM	Fair	Fair	Single stem forming compact crown on grass verge by footpath.	None.	10+	C1	7	2	
06 T0381	4124	Sweet gum	<i>Liquidambar styraciflua</i>	6	130	1	1	2	1	1	1	1	East	SM	Fair	Fair	Single stem forming compact crown from 1m.	None.	10+	C1	7.06858 3471	1.5	
06 T0382	4125	Sweet gum	<i>Liquidambar styraciflua</i>	7	130	1	1	2	2	2	1	1	South	SM	Fair	Fair	Single stem forming compact crown from 1m.	None.	10+	C1	7.06858 3471	1.5	
06 T0383	4126	Wild cherry	<i>Prunus avium</i>	11	330	1	3	4	3	4	2	4	East	M	Fair	Fair	Single stem forming spreading crown from 3m.	None.	20+	B1	47.7836 2426	3.9	
06 T0384	4127	Wild cherry	<i>Prunus avium</i>	10	350	1	3	5	5	4	2	2	East	M	Fair	Fair	Single stem forming spreading crown from 3m.	None.	20+	B1	55.4176 9441	4.2	
06 T0385	4128	Wild cherry	<i>Prunus avium</i>	11	280	1	2	5	3	3	2	2	East	M	Fair	Fair	Single stem forming spreading crown from 3m.	None.	20+	B1	34.2119 44	3.3	
06 T0386	4129	Wild cherry	<i>Prunus avium</i>	11	210	1	3	2	2	4	1	2	South	EM	Fair	Fair	Single stem forming spreading crown from 3m.	None.	20+	B1	18.0955 7368	2.4	
06 T0387	4130	Wild cherry	<i>Prunus avium</i>	8	160	1	2	2	2	3	1	3	East	SM	Fair	Fair	Single stem forming spreading crown from 3m.	None.	10+	C1	10.1787 602	1.8	
06 T0388	4131	Wild cherry	<i>Prunus avium</i>	8	300	1	4	4	3	3	1	3	South	EM	Fair	Fair	Single stem forming spreading crown from 3m.	None.	20+	B1	40.7150 4079	3.6	
06 T0389	4132	Wild cherry	<i>Prunus avium</i>	7	240	1	3	3	4	3	0	3	East	EM	Fair	Fair	Single stem forming spreading crown from 3m.	None.	20+	B1	28.2743 3388	3	
06 T0390	4133	Wild cherry	<i>Prunus avium</i>	10	240	1	3	3	2	4	2	3	North	EM	Fair	Fair	Single stem forming spreading crown from 3m.	None.	20+	B1	28.2743 3388	3	
06 T0391	4134	Wild cherry	<i>Prunus avium</i>	9	230	1	1	3	3	5	2	3	West	EM	Fair	Fair	Single stem forming spreading crown from 3m.	None.	20+	B1	22.9022 1044	2.7	
06 T0392	4135	Wild cherry	<i>Prunus avium</i>	7	210	1	2	3	3	3	3	3	West	EM	Fair	Fair	Single stem forming spreading crown from 3m.	None.	20+	B1	18.0955 7368	2.4	
06 T0393	4136	Wild cherry	<i>Prunus avium</i>	8	240	1	2	3	3	4	2	3	East	EM	Poor	Fair	Single stem forming spreading crown from 3m, in decline with crown dieback.	None.	10+	C1	28.2743 3388	3	
06 T0394	4137	Wild cherry	<i>Prunus avium</i>	8	260	1	2	4	4	3	3	3	East	EM	Fair	Fair	Single stem forming spreading crown from 3m.	None.	20+	B1	28.2743 3388	3	
06 T0395	4138	Wild cherry	<i>Prunus avium</i>	9	260	1	3	5	5	4	1	3	West	EM	Fair	Fair	Single stem forming spreading crown from 3m, stem cavity east.	None.	20+	B1	28.2743 3388	3	
06 T0396	4139	Norway maple	<i>Acer platanoides</i>	12	450	1	4	5	5	4	2	2	South	M	Fair	Fair	Single stem forming spreading crown from 3m in grass verge by footpath.	None.	20+	B1	91.6088 4178	5.4	Fell for new hard surfacing
06 T0397	4140	Norway maple	<i>Acer platanoides</i>	12	250	1	4	4	3	3	3	4	North	SM	Fair	Fair	Single stem, 0.5m from wall, two leaders from 4m forming spreading symmetric crown.	None.	20+	B1	28.2743 3388	3	
06 T0398	4141	Norway maple	<i>Acer platanoides</i>	13	270	1	4	4	4	3	3	3	South	EM	Fair	Fair	Single stem, two leaders from 3m forming symmetric spreading crown, minor root damage from lawnmower south.	None.	20+	B1	34.2119 44	3.3	
06 T0399	4142	Birch	<i>Betula sp.</i>	13	170	1	3	2	2	3	2	4	East	SM	Fair	Fair	Single stem, minor stem damage north, forks at 6m, spreading crown.	None.	20+	B1	13.8544 236	2.1	

Tree No.	Tag No.	Species	Botanical Name	Height (m)	DBH (mm)	No. of stems	Canopy Spread				Canopy Clearance (m)	Lower branch height (m)	Lower branch direction	Age	Physiological condition	Structural condition	Comments	Recommendations	U.L.E	Category	RPA (m3)	RPA radial distance (m)	Work Recommendations to Facilitate the Proposed Development
							N	E	S	W													
06 T0400	4143	Birch	<i>Betula sp.</i>	10	240	1	1	1	4	3	0	2	South	EM	Fair	Poor	Single ivy clad stem forming spreading asymmetric canopy from 2m, self-seeded beech stem <75mmØ arising north at base.	None.	10+	C1	28.2743 3388	3	
06 T0401	4144	Birch	<i>Betula sp.</i>	13	170	1	2	3	3	3	2	3	South	SM	Fair	Fair	Single stem spreading symmetric canopy.	None.	20+	B1	13.8544 236	2.1	
06 T0402	4145	Birch	<i>Betula sp.</i>	10	220	1	2	0	4	4	0	0	South	EM	Fair	Poor	Single ivy clad stem with limbs arising south and west from base, has lost top.	None.	10+	C1	22.9022 1044	2.7	
06 T0403	4146	Hornbeam	<i>Carpinus betulus</i>	11	190	1	4	3	3	4	3	4	West	SM	Fair	Fair	Single stem forming spreading crown from 5m, minor root damage.	None.	20+	B1	18.0955 7368	2.4	
06 T0404	4147	Ash	<i>Fraxinus excelsior</i>	15	320	1	4	4	2	4	2	4	North	M	Poor	Poor	Single stem forming asymmetric spreading crown from 6m, dieback and deadwood <100mmØ throughout crown, stem damage at base west, large limb >150mmØ pruned east over from main stem, epicormic growth from base.	None.	10+	C1	47.7836 2426	3.9	
06 T0405	4148	Ash	<i>Fraxinus excelsior</i>	12	160	1	1	2	3	4	4	4	West	SM	Poor	Poor	Single leaning stem forming asymmetric canopy from 4m, stem damage east, dieback and deadwood <100mmØ in lower crown.	Remove deadwood (<3 months).	10+	C1	10.1787 602	1.8	
06 T0406	4149	Ash	<i>Fraxinus excelsior</i>	14	230	1	3	2	5	3	6	5	West	SM	Fair	Poor	Single stem forming asymmetric spreading crown, significant basal and stem damage >50% of stem, deadwood <100mmØ in lower crown.	Remove deadwood (<3 months).	10+	C1	22.9022 1044	2.7	
06 T0407 *	4150	Ash	<i>Fraxinus excelsior</i>	14	270	1	2	5	6	2	10	8	South	SM	Fair	Poor	Single stem forming asymmetric crown, minor stem damage south, girdling root, pruned over site poorly leaving branch stumps.	None.	10+	C1	34.2119 44	3.3	
06 T0408	4151	Hornbeam	<i>Carpinus betulus</i>	10	140	1	3	3	3	3	3	3	West	SM	Fair	Fair	Single stem forming spreading crown from 3m.	None.	20+	B1	10.1787 602	1.8	Fell for new hard surface
06 T0409 *	4152	Norway maple	<i>Acer platanoides</i>	10	240	1	3	2	5	4	4	4	West	SM	Fair	Fair	Single stem spreading crown over bus shelter.	None.	20+	B1	28.2743 3388	3	Fell for new hard surface
06 T0410 *	4153	Norway maple	<i>Acer platanoides</i>	15	300	1	2	3	2	2	6	6	South	M	Poor	Poor	Single stem with vertical split in main stem, girdling root, cankers, dieback and deadwood >100mmØ throughout crown.	Fell and replace as good arboricultural practice (<3 months).	>10	U	40.7150 4079	3.6	Fell for new hard surface
06 T0411 *	4154	Hornbeam	<i>Carpinus betulus</i>	8	220	1	4	2	6	5	2	2	West	SM	Fair	Fair	Single stem forming spreading canopy, minor stem damage east, previously pruned over site.	None.	20+	B1	22.9022 1044	2.7	
06 T0412 *	4155	Birch	<i>Betula sp.</i>	12	150	1	3	2	0	2	6	4	North	SM	Fair	Poor	Single stem, minor stem damage south, forks at 6m.	None.	10+	C1	10.1787 602	1.8	
06 T0413	4156	Hornbeam	<i>Carpinus betulus</i>	10	210	1	1	1	4	6	2	2	West	SM	Fair	Poor	Single ivy clad stem, leaning asymmetric canopy from 4m.	None.	10+	C1	18.0955 7368	2.4	Fell for new hard surface
06 T0414 *	4157	Ash	<i>Fraxinus excelsior</i>	12	250	1	2	3	6	7	3	5	South	SM	Fair	Fair	Single stem limb arising west at 4m, spreading asymmetric canopy from 6m.	None.	20+	B1	28.2743 3388	3	Fell for new hard surface
06 T0415 *	4158	Norway maple	<i>Acer platanoides</i>	12	240	1	2	3	3	3	3	3	South	SM	Fair	Fair	Single stem forming spreading crown.	None.	20+	B1	28	3	
06 T0416 *	4159	Beech	<i>Fagus sylvatica</i>	10	170	1	3	1	5	5	0	0	South	SM	Fair	Fair	Single stem spreading crown from base, pruned over site.	None.	20+	B1	13.8544 236	2.1	
06 T0417	4160	Ash	<i>Fraxinus excelsior</i>	12	210	1	2	1	2	2	4	4	South	SM	Fair	Fair	Single stem forming compact crown tight to footpath.	None.	10+	C1	18.0955 7368	2.4	Fell for new hard surface
06 T0418	4161	Birch	<i>Betula sp.</i>	13	240	1	4	2	1	3	1	1	East	SM	Fair	Fair	Single leaning stem forming asymmetric spreading crown tight to footpath.	None.	10+	C1	28.2743 3388	3	

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							N	E	S	W													
06 T0419	4162	Lime	<i>Tilia sp.</i>	11	330	1	4	4	4	5	1	3	West	M	Fair	Fair	Single stem forming spreading crown from 2m.	None.	20+	B1	47.7836 2426	3.9	
06 T0420	4163	Birch	<i>Betula sp.</i>	8	140	1	3	1	1	1	2	3	North	SM	Fair	Fair	Single stem forming compact asymmetric crown.	None.	10+	C1	10.1787 602	1.8	
06 T0421	4164	Birch	<i>Betula sp.</i>	8	120	1	3	2	1	1	1	3	East	SM	Fair	Fair	Single stem forming compact asymmetric crown.	None.	10+	C1	7.06858 3471	1.5	
06 T0422	4165	Birch	<i>Betula sp.</i>	9	150	1	3	2	1	1	2	3	North	SM	Fair	Fair	Single stem forming compact asymmetric crown.	None.	10+	C1	10.1787 602	1.8	
06 T0423	4166	Ash	<i>Fraxinus sp.</i>	13	290	1	5	5	5	4	3	3	West	EM	Fair	Fair	Single stem forming spreading crown from 4m.	None.	20+	B1	40.7150 4079	3.6	
06 T0424	4167	Birch	<i>Betula sp.</i>	10	170	1	2	2	2	2	2	3	South	SM	Poor	Fair	Single stem forming compact crown from 3m.	None.	10+	C1	13.8544 236	2.1	
06 T0425	4168	Birch	<i>Betula sp.</i>	11	140	1	4	3	2	3	4	4	North	SM	Fair	Fair	Single stem forming compact crown from 2m.	None.	10+	C1	10.1787 602	1.8	
06 T0426	4169	Birch	<i>Betula sp.</i>	11	180	1	2	2	3	3	0	2	East	SM	Fair	Fair	Single stem forming compact crown from 2m.	None.	20+	B1	13.8544 236	2.1	
06 T0427 P		Black pine	<i>Pinus nigra</i>	20	600#	1	8	7	7	6	10	8	North	M	Fair	Fair	Single stem forming spreading crown from 8m on land c.2m above footpath behind stone wall.	None.	40+	A1	162.860 1632	7.2	
06 T0428 P		Hornbeam	<i>Carpinus betulus</i>	15	370#	1	4	3	5	5	3	1	South	M	Fair	Fair	Two stems from 1m forming spreading crown on land c.2m above footpath behind stone retaining wall.	None.	20+	B1	63.6172 5124	4.5	
06 T0429 P		Beech	<i>Fagus sylvatica</i>	16	650#	1	4	6	6	4	3	3	West	M	Fair	Fair	Single stem forming spreading crown from 3m, on land c.2m above footpath behind stone retaining wall.	None.	20+	B1	191.134 497	7.8	
06 T0430 P*		Black pine	<i>Pinus nigra</i>	18	440#	1	4	3	4	3	8	7	South	M	Fair	Fair	Single stem forming spreading crown on land c.2m above footpath behind stone retaining wall.	None.	20+	B1	91.6088 4178	5.4	
06 T0431 P		Black pine	<i>Pinus nigra</i>	18	550#	1	5	6	7	7	14	12	West	M	Fair	Fair	Single stem forming spreading crown on land c.2m above footpath behind stone retaining wall.	None.	20+	B1	136.847 776	6.6	
06 T0432 P		Black pine	<i>Pinus nigra</i>	17	530#	1	4	5	6	4	9	10	South	M	Fair	Fair	Single stem forming spreading crown on land c.2m above footpath behind stone retaining wall.	None.	20+	B1	124.689 8124	6.3	
06 T0433 P		Purple plum	<i>Prunus cerasifera 'Pissardii'</i>	5	180#	1	2	2	2	2	0	0	East	EM	Fair	Poor	Multistem specimen forming bushy crown.	None.	10+	C1	13.8544 236	2.1	
06 T0434 P		Silver birch	<i>Betula pendula</i>	11	240#	1	3	3	3	3	0	2	South	EM	Fair	Fair	Single stem forming symmetric crown from 2m.	None.	10+	C1	28.2743 3388	3	
06 T0435	4170	Beech	<i>Fagus sylvatica purpurea</i>	8	150	1	2	2	2	2	0	1	South	SM	Fair	Fair	Single stem forming compact crown from base.	None.	10+	C1	10.1787 602	1.8	
06 T0436	4171	Beech	<i>Fagus sylvatica purpurea</i>	8	160	1	2	2	2	2	0	1	South	SM	Fair	Fair	Single stem forming compact crown from base.	None.	10+	C1	10.1787 602	1.8	
06 T0437	4172	Beech	<i>Fagus sylvatica purpurea</i>	7	150	1	2	2	2	2	0	1	South	SM	Fair	Fair	Single stem forming compact crown from base.	None.	10+	C1	10.1787 602	1.8	
06 T0438	4173	Beech	<i>Fagus sylvatica purpurea</i>	6	130	1	2	2	2	2	0	1	South	SM	Fair	Fair	Single stem forming compact crown from base.	None.	10+	C1	7.06858 3471	1.5	
06 T0439	4174	Beech	<i>Fagus sylvatica purpurea</i>	9	140	1	2	2	2	2	0	1	South	SM	Fair	Fair	Single stem forming compact crown from base.	None.	10+	C1	10.1787 602	1.8	
06 G0440 P		Mixed Species Group	N/a	16	600#	1	5	5	5	5	3	3	South	M	Fair	Fair	Mixed species group comprising sycamore, ash, Norway maple, beech, hazel, hawthorn, horse chestnut, leylandii, pine and birch on private land behind stone wall, canopies overhang existing path by 4-5m at c.3-4m.	Crown raise to 2.4m over footpath (<3 months)	40+	A2	162.860 1632	7.2	
06 T0441		Ash	<i>Fraxinus excelsior</i>	6	180	1	1	1	1	1	0	0	East	Y	Fair	Poor	Multistem specimen forming compact crown.	None.	10+	C1	13.8544 236	2.1	

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							N	E	S	W													
06 G0442 *		Mixed Species Group	N/a	8	140	1	2	2	2	2	0	0	South	SM	Fair	Fair	Mixed species group comprising purple plum and cypress with understorey of elder and dense vegetation.	None.	10+	C2	10.1787 602	1.8	Fell in part as per TPP for new bus bay
06 G0443 *		Leylandii	^x <i>Cupressocyparis leylandii</i>	14	240#	1	2	2	2	2	3	3	East	EM	Fair	Fair	Linear group comprising 10no. cypress along boundary of private residential gardens.	None.	10+	C2	28.2743 3388	3	
06 T0444	4175	Balsam poplar	<i>Populus balsamifera</i>	14	240	1	2	4	3	2	0	2	South	SM	Fair	Poor	Single leaning stem forming asymmetric canopy that merges its neighbouring trees.	None.	10+	C1	28.2743 3388	3	
06 T0445	4176	Norway maple	<i>Acer platanoides</i>	13	212.60 29	2	3	2	1	1	3	1	East	SM	Fair	Poor	Two stems from 0.5m forming asymmetric crown that merges with neighbouring trees.	Fell and replace as good arboricultural practice (<3 months).	>10	U	22.9022 1044	2.7	
06 T0446	4177	Hornbeam	<i>Carpinus betulus</i>	12	160	1	3	1	1	2	0	3	North	SM	Fair	Poor	Single stem forming compact crown.	None.	10+	C1	10.1787 602	1.8	
06 T0447	4178	Ash	<i>Fraxinus excelsior</i>	14	260	1	4	2	4	2	7	5	South	SM	Fair	Poor	Single stem forming asymmetric crown from 2m.	None.	10+	C1	28.2743 3388	3	
06 T0448	4179	Norway maple	<i>Acer platanoides</i>	13	344.81 88	3	2	3	3	3	2	1	North	M	Fair	Poor	Three leaders from 1m forming spreading asymmetric crown.	None.	10+	C1	55.4176 9441	4.2	
06 T0449	4180	Norway maple	<i>Acer platanoides</i>	12	208.08 65	2	3	3	1	3	3	1	South	SM	Fair	Poor	Two leaders from 1m forming asymmetric crown.	None.	10+	C1	18.0955 7368	2.4	
06 G0450		Mixed Species Group	N/a	12	240	1	3	3	3	3	0	0	South	EM	Fair	Fair	Dense mixed species shelterbelt group either side of road comprising sycamore, Norway maple, oak, laurel, ash, birch and willow.	None.	10+	C1	28	3	
06 T0451 P*		Lime	<i>Tilia sp.</i>	11	240	1	4	2	4	4	1	3	South	SM	Fair	Fair	Single stem forming spreading crown from 3m.	None.	10+	C1	28.2743 3388	3	
06 T0452 P*		Norway maple	<i>Acer platanoides</i>	11	220	1	3	3	3	2	2	2	East	SM	Fair	Fair	Single stem forming spreading crown from 2m.	None.	10+	C1	22.9022 1044	2.7	
06 T0453 P*		Lime	<i>Tilia sp.</i>	11	230	1	2	2	3	3	2	2	South	SM	Fair	Fair	Single stem forming spreading crown from 2m.	None.	10+	C1	22.9022 1044	2.7	
06 T0454 P*		Horse chestnut	<i>Aesculus hippocastanum</i>	8	260	1	4	3	2	2	2	2	South	SM	Fair	Fair	Single stem forming asymmetric crown from 2m with Pseudomonas syringae pv. aesculli causing bark death, in decline with limited useful life expectancy.	Fell and replace as good arboricultural practice (<3 months).	<10	U	28.2743 3388	3	
06 T0455 P*		Beech	<i>Fagus sylvatica</i>	12	280	1	4	5	4	3	1	3	North	SM	Fair	Fair	Single stem forming spreading crown from 3m.	None.	10+	C1	34.2119 44	3.3	
06 T0456 P*		Lime	<i>Tilia sp.</i>	12	220	1	3	3	2	2	1	2	West	SM	Fair	Fair	Single stem forming compact crown.	None.	10+	C1	22.9022 1044	2.7	
06 T0457 P*		Norway maple	<i>Acer platanoides</i>	5	180	1	2	2	2	2	2	2	North	SM	Poor	Poor	Dead.	Fell and replace as good arboricultural practice (<3 months).	<10	U	13.8544 236	2.1	
06 T0458 P*		Norway maple	<i>Acer platanoides</i>	5	80	1	1	1	1	1	0	0	East	SM	Poor	Poor	Single stem with severe crown dieback, dying.	Fell and replace as good arboricultural practice (<3 months).	>10	U	2.54469 0049	0.9	
06 T0459 P*		Lime	<i>Tilia sp.</i>	10	240	1	3	3	3	4	2	3	South	SM	Fair	Fair	Single stem forming spreading crown from 3m.	None.	10+	C1	28.2743 3388	3	

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							N	E	S	W													
06 T0460 P*		Horse chestnut	<i>Aesculus hippocastanum</i>	8	190	1	2	2	2	3	2	2	North	SM	Fair	Fair	Single stem forming compact symmetric crown from 2m.	None.	10+	C1	18.0955 7368	2.4	
06 T0461 P*		Norway maple	<i>Acer platanoides</i>	8	180	1	1	2	2	2	2	3	North	SM	Fair	Fair	Single stem forming compact symmetric crown from 2m.	None.	10+	C1	13.8544 236	2.1	
06 T0462 P*		Lime	<i>Tilia sp.</i>	10	240	1	4	3	3	3	2	3	North	SM	Fair	Fair	Single stem forming spreading crown from 3m.	None.	10+	C1	28.2743 3388	3	
06 T0463 P*		Horse chestnut	<i>Aesculus hippocastanum</i>	8	190	1	1	2	2	2	2	2	East	SM	Fair	Fair	Single stem forming compact symmetric crown from 2m.	None.	10+	C1	18.0955 7368	2.4	
06 T0464 P*		Horse chestnut	<i>Aesculus hippocastanum</i>	8	210	1	3	3	2	3	2	2	West	SM	Fair	Fair	Single stem forming spreading crown from 3m.	None.	10+	C1	18.0955 7368	2.4	
06 T0465 P*		Lime	<i>Tilia sp.</i>	9	200	1	2	3	3	3	1	2	East	SM	Fair	Fair	Single stem forming spreading crown from 3m.	None.	10+	C1	18.0955 7368	2.4	
06 T0466 P*		Horse chestnut	<i>Aesculus hippocastanum</i>	8	250	1	3	3	3	3	1	2	South	SM	Fair	Fair	Single stem forming spreading crown, basal decay and stem wound at 1.5m, likely to require removal in future.	None.	10+	C1	28.2743 3388	3	
06 T0467 P*		Lime	<i>Tilia sp.</i>	7	130	1	2	2	1	2	1	1	South	SM	Fair	Fair	Single stem forming compact crown.	None.	10+	C1	7.06858 3471	1.5	
06 T0468 P*		Lime	<i>Tilia sp.</i>	9	240	1	3	4	3	3	1	2	West	SM	Fair	Fair	Single stem forming spreading crown from base.	None.	10+	C1	28.2743 3388	3	
06 T0469 P*		Silver maple	<i>Acer saccharinum</i>	10	240	1	3	3	3	3	0	0	East	SM	Fair	Fair	Single stem forming spreading crown from base.	None.	10+	C1	28.2743 3388	3	
06 T0470 P*		Silver maple	<i>Acer saccharinum</i>	8	200	8	3	3	3	3	0	0	East	SM	Fair	Fair	Single stem forming spreading crown from base.	None.	10+	C1	18.0955 7368	2.4	
06 T0471 P*		Silver maple	<i>Acer saccharinum</i>	8	210	1	3	3	3	3	0	0	South	SM	Fair	Fair	Single stem forming spreading crown from base.	None.	10+	C1	18.0955 7368	2.4	
06 T0472 P*		Silver maple	<i>Acer saccharinum</i>	8	190	1	3	3	3	3	0	0	South	SM	Fair	Fair	Single stem forming spreading crown from base.	None.	10+	C1	18.0955 7368	2.4	
06 T0473 P*		Silver maple	<i>Acer saccharinum</i>	8	200	1	3	3	3	3	0	0	North	SM	Fair	Fair	Single stem forming spreading crown from base.	None.	10+	C1	18.0955 7368	2.4	
06 T0474 P*		Silver maple	<i>Acer saccharinum</i>	8	160	1	1	2	2	2	1	1	East	SM	Fair	Fair	Single stem forming spreading crown from base.	None.	10+	C1	10.1787 602	1.8	
06 T0475 P*		Silver maple	<i>Acer saccharinum</i>	8	200	1	3	2	3	2	0	1	East	SM	Fair	Fair	Single stem forming spreading crown from base.	None.	10+	C1	18.0955 7368	2.4	
06 T0476 P*		Silver maple	<i>Acer saccharinum</i>	8	130	1	1	2	2	2	0	1	North	SM	Fair	Fair	Single stem forming spreading crown from base.	None.	10+	C1	7.06858 3471	1.5	
06 T0477 P*		Silver maple	<i>Acer saccharinum</i>	8	180	1	2	2	2	2	0	0	East	SM	Fair	Fair	Single stem forming spreading crown from base.	None.	10+	C1	13.8544 236	2.1	
06 T0478 P*		Silver maple	<i>Acer saccharinum</i>	8	160	1	2	2	2	2	0	0	East	SM	Fair	Fair	Single stem forming spreading crown from base.	None.	10+	C1	10.1787 602	1.8	
06 T0479 P*		Silver maple	<i>Acer saccharinum</i>	8	160	1	3	3	3	2	1	3	North	SM	Fair	Fair	Single stem forming spreading crown from 3m.	None.	10+	C1	10.1787 602	1.8	
06 T0480 P*		Silver maple	<i>Acer saccharinum</i>	8	180	1	3	3	3	2	1	2	North	SM	Fair	Fair	Single stem forming spreading crown from base.	None.	10+	C1	13.8544 236	2.1	

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							N	E	S	W													
06 T0481 P*		Lime	<i>Tilia sp.</i>	4	200	1	2	2	2	2	0	0	East	SM	Fair	Fair	Single stem compact crown.	None.	10+	C1	18.0955 7368	2.4	
06 T0482 P*		Lime	<i>Tilia sp.</i>	6	210	1	3	3	3	3	0	0	East	SM	Fair	Fair	Single stem compact crown.	None.	10+	C1	18.0955 7368	2.4	
06 T0483 P*		Norway maple	<i>Acer platanoides</i>	8	210	1	2	3	2	2	2	3	North	SM	Fair	Fair	Single stem forming compact crown from 3m.	None.	10+	C1	18.0955 7368	2.4	
06 T0484 P*		Lime	<i>Tilia sp.</i>	6	160	1	2	3	3	2	0	0	East	SM	Fair	Fair	Single stem compact crown.	None.	10+	C1	10.1787 602	1.8	
06 T0485 P*		Hornbeam	<i>Carpinus betulus</i>	13	350	1	3	4	4	3	3	3	West	M	Fair	Fair	Single stem forming spreading crown from 2m.	None.	20+	B1	55.4176 9441	4.2	
06 T0486 P*		Lime	<i>Tilia sp.</i>	8	180	1	2	2	2	2	2	2	South	SM	Fair	Fair	Single stem compact crown from 2m.	None.	10+	C1	13.8544 236	2.1	
06 T0487 P*		Norway maple	<i>Acer platanoides</i>	7	170	1	1	2	2	1	2	2	East	SM	Fair	Fair	Single stem compact crown from 2m.	None.	10+	C1	13.8544 236	2.1	
06 T0488 P*		Lime	<i>Tilia sp.</i>	6	110	1	1	2	2	1	0	0	South	SM	Fair	Fair	Single stem compact crown.	None.	10+	C1	4.52389 3421	1.2	
06 T0489 P*		Norway maple	<i>Acer platanoides</i>	7	150	1	2	2	2	2	2	2	East	SM	Fair	Fair	Single stem compact crown from 2m.	None.	10+	C1	10.1787 602	1.8	
06 T0490 P*		Lime	<i>Tilia sp.</i>	7	120	1	2	2	2	2	0	0	South	SM	Fair	Fair	Single stem compact crown.	None.	10+	C1	7.06858 3471	1.5	
06 T0491 P*		Lime	<i>Tilia sp.</i>	7	130	1	2	2	2	2	0	1	East	SM	Fair	Fair	Single stem compact crown.	None.	10+	C1	7.06858 3471	1.5	
06 T0492 P*		Lime	<i>Tilia sp.</i>	7	220	1	2	3	2	2	0	0	South	SM	Fair	Fair	Single stem forming spreading crown from base.	None.	10+	C1	22.9022 1044	2.7	
06 T0493 P*		Lime	<i>Tilia sp.</i>	7	240	1	2	2	1	2	0	0	South	SM	Fair	Fair	Single stem forming spreading crown from base.	None.	10+	C1	28.2743 3388	3	
06 T0494 P*		Sycamore	<i>Acer pseudoplatanus</i>	6	130	1	1	1	1	1	2	3	South	SM	Fair	Fair	Single stem forming compact crown from 3m.	None.	10+	C1	7.06858 3471	1.5	
06 T0495 P*		Lime	<i>Tilia sp.</i>	8	200	1	2	2	1	2	0	0	East	SM	Fair	Fair	Single stem forming spreading crown from base.	None.	10+	C1	18.0955 7368	2.4	
06 T0496 P*		Sycamore	<i>Acer pseudoplatanus</i>	8	210	1	2	3	2	2	1	2	South	SM	Fair	Fair	Single stem forming compact crown from 2m.	None.	10+	C1	18.0955 7368	2.4	
06 T0497 P*		Lime	<i>Tilia sp.</i>	8	220	1	3	3	1	3	1	2	East	SM	Fair	Fair	Single stem forming compact crown from 2m.	None.	10+	C1	22.9022 1044	2.7	
06 T0498 P*		Sycamore	<i>Acer pseudoplatanus</i>	7	210	1	2	2	2	2	2	2	East	SM	Fair	Fair	Single stem forming compact crown from 2m.	None.	10+	C1	18.0955 7368	2.4	
06 T0499 P*		Lime	<i>Tilia sp.</i>	8	190	1	2	2	1	1	0	1	East	SM	Fair	Fair	Single stem forming spreading crown from base.	None.	10+	C1	18.0955 7368	2.4	
06 T0500 P*		Sycamore	<i>Acer pseudoplatanus</i>	8	200	1	2	2	1	2	2	3	East	SM	Fair	Fair	Single stem forming compact crown from 3m.	None.	10+	C1	18.0955 7368	2.4	
06 T0501 P		Lime	<i>Tilia sp.</i>	8	190	1	2	2	2	2	0	1	East	SM	Fair	Fair	Single stem forming spreading crown from base.	None.	10+	C1	18.0955 7368	2.4	

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							N	E	S	W													
06 T0502 P		Lime	<i>Tilia sp.</i>	8	220	1	2	3	2	2	2	2	East	SM	Fair	Fair	Single stem forming compact crown from 2m.	None.	10+	C1	22.9022 1044	2.7	
06 T0503 P		Lime	<i>Tilia sp.</i>	7	200	1	3	3	2	3	2	2	East	SM	Fair	Fair	Single stem forming compact crown from 2m.	None.	10+	C1	18.0955 7368	2.4	
06 T0504 P*		Lime	<i>Tilia sp.</i>	7	170	1	1	2	1	1	2	3	East	SM	Fair	Fair	Single stem forming compact crown from 3m.	None.	10+	C1	13.8544 236	2.1	
06 T0505 P*		Hornbeam	<i>Carpinus betulus</i>	12	310	1	3	5	3	2	1	2	East	M	Fair	Fair	Single stem forming asymmetric crown from 2m.	None.	10+	C1	40.7150 4079	3.6	
06 T0506 P*		Lime	<i>Tilia sp.</i>	8	160	2	2	3	2	3	0	1	South	SM	Fair	Fair	Single stem forming spreading crown from base.	None.	10+	C1	10.1787 602	1.8	
06 T0507 P*		Silver maple	<i>Acer saccharinum</i>	9	180	1	2	3	2	1	2	2	West	SM	Fair	Fair	Single stem forming compact crown from 2m.	None.	10+	C1	13.8544 236	2.1	
06 T0508 P*		Hornbeam	<i>Carpinus betulus</i>	12	330	1	3	3	2	3	2	2	East	M	Fair	Fair	Single stem forming compact crown from 2m.	None.	10+	C1	47.7836 2426	3.9	
06 G0509 P		Mixed Species Group	<i>N/a</i>	12	280	1	2	2	2	2	0	0	South	EM	Fair	Fair	Mixed species group along edge of carriageway comprising beech, willow, oak and sycamore.	None.	10+	C1	34.2119 44	3.3	
06 T0510	4181	Lime	<i>Tilia sp.</i>	8	180	1	2	2	2	2	2	2	East	SM	Poor	Fair	Single stem forming compact crown with minor dieback in upper crown.	None.	10+	C1	10	2	Fell
06 H0511 *		Mixed Species Hedge	<i>N/a</i>	2	90#	1	1	1	1	1	0	0	South	SM	Fair	Fair	Linear vegetation dividing slip road from carriageway.	None.	10+	C1	6	1	Fell for new hard surfacing
06 G0512		Mixed Species Group	<i>N/a</i>	11	140	1	1	1	1	1	0	0	South	SM	Fair	Fair	Mixed species group comprising birch, cherry and field maple at junction of roundabout.	None.	10+	C1	14	2	Fell (x6) for new hard surface, SuDs and drainage
06 T0513	4182	Lime	<i>Tilia sp.</i>	8	210	1	4	3	3	3	0	3	North	SM	Fair	Fair	Single stem forming compact crown from 3m, in grass verge between road and footpath.	None.	10+	C1	18.0955 7368	2.4	
06 T0514	4183	Lime	<i>Tilia sp.</i>	8	170	1	2	3	2	2	2	3	West	EM	Fair	Fair	Single stem forming compact crown from 3m.	None.	10+	C1	13.8544 236	2.1	
06 T0515	4184	Lime	<i>Tilia sp.</i>	6	140	1	2	2	1	2	0	3	South	SM	Fair	Poor	Single stem forming compact crown, minor dieback.	None.	10+	C1	10.1787 602	1.8	
06 T0516 *	4185	Sycamore	<i>Acer pseudoplatanus</i>	12	270#	1	2	2	2	2	1	1	East	SM	Fair	Fair	Single stem forming compact crown from 1m in central reservation.	None.	10+	C1	34.2119 44	3.3	Fell for road widening
06 T0517	4186	Sycamore	<i>Acer pseudoplatanus</i>	9	150	1	3	3	2	3	4	4	West	SM	Poor	Poor	Single stem forming spreading crown from 4m in grass verge between road and footpath.	None.	10+	C1	10.1787 602	1.8	
06 T0518	4187	Silver maple	<i>Acer saccharinum</i>	6	90	1	1	1	1	1	5	3	West	Y	Poor	Poor	Single stem forming compact crown, severe dieback through, in physiological decline with limited useful life expectancy.	Fell and replace as good arboricultural practice (<3 months).	>10	U	4.52389 3421	1.2	
06 T0519 *	4188	Eucalyptus	<i>Eucalyptus globulus</i>	14	280#	1	4	5	3	4	4	2	West	SM	Fair	Fair	Single stem forming spreading crown from 4m in central reservation.	None.	10+	C1	34.2119 44	3.3	Fell for road widening
06 T0520	4189	Sycamore	<i>Acer pseudoplatanus</i>	9	130	1	3	3	3	3	3	3	North	SM	Fair	Fair	Single stem forming compact crown from 3m in grass verge between road and footpath.	None.	10+	C1	7.06858 3471	1.5	
06 T0521	4190	Norway maple	<i>Acer platanoides</i>	11	250	1	3	4	4	3	2	4	East	SM	Fair	Fair	Two leaders from 4m forming spreading crown in grass verge between road and footpath.	None.	10+	C1	28.2743 3388	3	

Tree No.	Tag No.	Species	Botanical Name	Height (m)	DBH (mm)	No. of stems	Canopy Spread				Canopy Clearance (m)	Lower branch height (m)	Lower branch direction	Age	Physiological condition	Structural condition	Comments	Recommendations	U.L.E	Category	RPA (m3)	RPA radial distance (m)	Work Recommendations to Facilitate the Proposed Development
							N	E	S	W													
06 T0522	4191	Silver maple	<i>Acer saccharinum</i>	6	80	1	1	1	1	1	0	0	West	Y	Fair	Fair	Single stem forming compact crown, severe dieback through, in physiological decline with limited useful life expectancy.	Fell and replace as good arboricultural practice (<3 months).	<10	U	2.54469 0049	0.9	
06 T0523 *	4192	Norway maple	<i>Acer platanoides</i>	8	190#	1	2	3	2	3	3	4	East	SM	Fair	Fair	Single stem forming spreading crown in central reservation.	None.	10+	C1	18.0955 7368	2.4	
06 T0524	4193	Monterey pine	<i>Pinus radiata</i>	11	360	1	2	3	3	3	2	2	West	EM	Fair	Fair	Single ivy clad stem forming spreading crown from 2m in central reservation.	None.	10+	C1	55.4176 9441	4.2	
06 T0525	4194	London plane	<i>Platanus x hispanica</i>	12	200	1	4	4	4	4	2	3	East	SM	Fair	Fair	Single stem forming spreading crown from 3m in grass verge between road and footpath.	Crown raise to 2.4m over footpath (<3 months)	10+	C1	18.0955 7368	2.4	
06 T0526 *	4195	London plane	<i>Platanus x hispanica</i>	12	170	1	5	4	3	4	2	3	West	SM	Fair	Fair	Single stem forming spreading crown from 3m.	Crown raise to 2.4m over footpath (<3 months)	10+	C1	13.8544 236	2.1	
06 T0527 *	4196	Sycamore	<i>Acer pseudoplatanus</i>	12	270	1	4	4	3	3	3	3	South	SM	Fair	Fair	Three leaders from 3m forming spreading crown.	None.	10+	C1	34.2119 44	3.3	
06 T0528 *	4197	Sycamore	<i>Acer pseudoplatanus</i>	10	160#	3	2	4	2	3	2	0	East	SM	Poor	Fair	Multistem specimen forming spreading crown from base, dieback in upper crown, in central reservation.	None.	10+	C1	10.1787 602	1.8	Fell for road widening
06 T0529	4198	Lime	<i>Tilia sp.</i>	10	242.89 92	3	4	3	3	4	3	0	West	SM	Fair	Poor	Multistem specimen forming spreading crown from 3m, large stem over footpath previously removed at base, bark included junctions, unsuitable for long term retention in street environment as tree enters maturity.	Consider removal to promote development of neighbouring Plane (<12 months).	10+	C1	28.2743 3388	3	
06 T0530	4199	London plane	<i>Platanus x hispanica</i>	12	150	1	4	3	3	2	4	3	East	SM	Fair	Fair	Single stem forming asymmetric crown, consider removal of neighbouring lime to promote growth and development.	None.	10+	C1	10.1787 602	1.8	
06 T0531	4200	Lime	<i>Tilia sp.</i>	12	290	1	4	4	4	4	2	3	East	SM	Fair	Fair	Single stem forming symmetric spreading crown.	Crown raise to 2.4m over footpath (<3 months)	20+	B1	40.7150 4079	3.6	
06 T0532	4201	Silver maple	<i>Acer saccharinum</i>	14	290	1	6	4	5	5	3	4	West	SM	Fair	Fair	Single stem forming spreading crown from 4m.	None.	20+	B1	40.7150 4079	3.6	
06 T0533	4202	Silver maple	<i>Acer saccharinum</i>	13	280	1	6	5	5	4	3	3	East	SM	Fair	Fair	Single stem forming spreading crown from 3m.	None.	20+	B1	34.2119 44	3.3	
06 T0534 *	4203	Lime	<i>Tilia sp.</i>	12	220#	1	3	3	3	3	0	2	West	SM	Fair	Fair	Single stem forming spreading crown from 2m in central reservation.	None.	10+	C1	22.9022 1044	2.7	Fell for road widening
06 T0535 *	4204	Norway maple	<i>Acer platanoides</i>	12	240#	1	3	4	3	4	3	3	East	SM	Poor	Fair	Single stem forming spreading crown from 3m, crown dieback east, in central reservation.	None.	10+	C1	28.2743 3388	3	Fell for road widening
06 T0536 *	4205	Norway maple	<i>Acer platanoides</i>	10	180#	1	3	3	3	3	3	3	East	SM	Fair	Fair	Single stem forming spreading crown from 3m, in central reservation.	None.	10+	C1	13.8544 236	2.1	Fell for road widening
06 T0537 *	4206	Norway maple	<i>Acer platanoides</i>	8	120#	1	1	2	1	1	2	3	East	SM	Poor	Fair	Single stem forming compact crown from 3m, dieback throughout, in central reservation.	Fell and replace as good arboricultural practice (<3 months).	>10	U	7.06858 3471	1.5	Unsuitable for retention

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							N	E	S	W													
06 T0538	4207	London plane	<i>Platanus x hispanica</i>	12	270	1	5	5	5	5	1	3	East	SM	Fair	Fair	Single stem forming spreading crown from 3m.	Crown raise to 2.4m over footpath (<3 months)	10+	C1	34.2119 44	3.3	
06 T0539	4208	Lime	<i>Tilia sp.</i>	12	320	1	5	5	5	5	2	3	North	EM	Fair	Fair	Single stem forming spreading crown from 3m.	Crown raise to 2.4m over footpath (<3 months)	20+	B1	47.7836 2426	3.9	
06 T0540	4209	Sycamore	<i>Acer pseudoplatanus</i>	12	230	1	3	3	3	3	3	2	East	SM	Fair	Fair	Two leaders forming compact crown from 3m in central reservation.	None.	10+	C1	22.9022 1044	2.7	
06 T0541	4210	Lime	<i>Tilia sp.</i>	12	240	1	3	3	3	3	1	0	West	SM	Fair	Fair	Multistem specimen forming spreading crown from base in central reservation.	None.	10+	C1	28.2743 3388	3	
06 T0542 *	4211	Eucalyptus	<i>Eucalyptus globulus</i>	16	380#	1	5	3	3	3	3	3	East	M	Fair	Fair	Two leaders from 3m forming asymmetric spreading crown in central reservation.	None.	10+	C1	63.6172 5124	4.5	
06 T0543	4212	Lime	<i>Tilia sp.</i>	11	240#	1	3	3	3	3	1	2	East	EM	Fair	Fair	Single stem forming compact crown from 2m in central reservation.	None.	10+	C1	28.2743 3388	3	
06 T0544	4213	Sycamore	<i>Acer pseudoplatanus</i>	11	220#	1	3	4	3	4	1	0	South	SM	Fair	Fair	Multistem specimen forming spreading crown from base in central reservation.	None.	10+	C1	22.9022 1044	2.7	
06 T0545	4214	Lime	<i>Tilia sp.</i>	13	320	1	4	5	4	5	3	3	North	EM	Fair	Fair	Single stem forming spreading crown from 3m.	None.	20+	B1	47.7836 2426	3.9	
06 T0546 *	4215	Sycamore	<i>Acer pseudoplatanus</i>	12	230	1	3	4	3	3	3	3	North	SM	Fair	Fair	Single stem forming spreading crown from 3m.	None.	10+	C1	22.9022 1044	2.7	
06 T0547	4216	London plane	<i>Platanus x hispanica</i>	14	340	1	6	5	6	5	2	3	East	M	Fair	Fair	Single stem forming spreading crown from 3m.	Crown raise to 2.4m over footpath (<3 months)	20+	B1	55.4176 9441	4.2	
06 T0548 *	4217	Sycamore	<i>Acer pseudoplatanus</i>	11	220	1	2	3	2	3	3	2	East	SM	Fair	Fair	Two leaders from 2m forming compact crown.	None.	10+	C1	22.9022 1044	2.7	Fell for lamp post
06 T0549	4218	Sycamore	<i>Acer pseudoplatanus</i>	12	370	1	5	5	5	5	3	3	East	M	Fair	Fair	Single stem forming symmetric spreading crown from 3m.	None.	20+	B1	63.6172 5124	4.5	
06 T0550	4219	Sycamore	<i>Acer pseudoplatanus</i>	13	390	1	5	6	5	6	3	3	East	M	Fair	Fair	Single stem forming symmetric spreading crown from 3m.	None.	20+	B1	72.3822 9474	4.8	
06 T0551	4220	Sycamore	<i>Acer pseudoplatanus</i>	12	280	1	4	5	4	4	4	3	West	SM	Fair	Fair	Two leaders forming spreading crown from 3m.	None.	20+	B1	34.2119 44	3.3	
06 T0552	4221	London plane	<i>Platanus x hispanica</i>	14	250	1	6	6	5	5	2	4	West	SM	Fair	Fair	Single stem forming spreading crown from 4m.	Crown raise to 2.4m over footpath / taxi rank (<3 months).	20+	B1	28.2743 3388	3	
06 T0553	4222	London plane	<i>Platanus x hispanica</i>	14	290	1	5	6	5	6	1	2	West	SM	Fair	Fair	Single stem forming spreading crown from 3m, previously lost limb c.100mmØ in lower crown.	Crown raise to 2.4m over footpath / taxi rank (<3 months).	20+	B1	40.7150 4079	3.6	
06 T0554	4223	London plane	<i>Platanus x hispanica</i>	16	630	1	7	7	8	7	2	3	East	M	Fair	Fair	Single stem forming spreading crown from 3m.	Crown raise to 2.4m over footpath / taxi rank (<3 months).	20+	B1	176.714 5868	7.5	
06 T0555	4224	London plane	<i>Platanus x hispanica</i>	14	380	1	7	6	6	6	2	2	East	M	Fair	Fair	Single stem forming spreading crown from 3m.	Crown raise to 2.4m over footpath / taxi rank (<3 months).	20+	B1	63.6172 5124	4.5	
06 T0556	4225	Sycamore	<i>Acer pseudoplatanus</i>	14	440	1	5	5	5	5	4	3	East	M	Fair	Fair	Single stem forming spreading crown from 3m.	None.	20+	B1	91.6088 4178	5.4	
06 T0557	4226	Sycamore	<i>Acer pseudoplatanus</i>	12	280	1	4	4	4	3	4	2	East	SM	Fair	Fair	Single stem forming spreading crown from 3m.	None.	20+	B1	34.2119 44	3.3	

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							N	E	S	W													
06 T0558	4227	London plane	<i>Platanus x hispanica</i>	15	350	1	6	6	5	6	2	2	East	M	Fair	Fair	Single stem forming spreading crown from 3m.	Crown raise to 2.4m over footpath / taxi rank (<3 months).	20+	B1	55.4176 9441	4.2	
06 T0559	4228	Sycamore	<i>Acer pseudoplatanus</i>	13	600	1	6	6	6	5	3	3	West	M	Fair	Fair	Single stem forming spreading crown from 3m.	None.	20+	B1	162.860 1632	7.2	
06 T0560	4229	Sycamore	<i>Acer pseudoplatanus</i>	13	330	1	5	6	5	5	5	3	East	EM	Fair	Fair	Single stem forming spreading crown from 5m.	None.	20+	B1	47.7836 2426	3.9	
06 T0561	4230	Sycamore	<i>Acer pseudoplatanus</i>	13	400	1	6	6	5	6	5	4	East	M	Fair	Fair	Single stem forming spreading crown from 4m.	None.	20+	B1	72.3822 9474	4.8	
06 T0562	4231	Sycamore	<i>Acer pseudoplatanus</i>	12	350	1	6	6	6	5	3	3	South	M	Fair	Fair	Single stem forming spreading crown from 3m.	None.	20+	B1	55.4176 9441	4.2	
06 T0563	4232	Sycamore	<i>Acer pseudoplatanus</i>	13	370	1	5	4	4	4	4	4	East	M	Fair	Fair	Single stem forming spreading crown from 4m.	None.	20+	B1	63.6172 5124	4.5	
06 T0564	4233	Sycamore	<i>Acer pseudoplatanus</i>	12	340	1	5	6	5	5	4	3	West	M	Fair	Fair	Single stem forming spreading crown from 3m.	None.	20+	B1	55.4176 9441	4.2	Fell for road widening
06 T0565	4234	Sycamore	<i>Acer pseudoplatanus</i>	10	250	1	3	5	3	3	4	4	West	SM	Fair	Fair	Single stem forming spreading crown from 4m..	None.	10+	C1	28.2743 3388	3	Fell for road widening
06 T0566		Norway maple	<i>Acer platanoides</i>	10	160	1	3	3	2	2	3	3	North	SM	Fair	Fair	Single stem forming spreading crown from 3m in raised planter c.1m above road.	None.	10+	C1	10.1787 602	1.8	Fell for hard surfacing
06 T0567		Norway maple	<i>Acer platanoides</i>	12	240	1	4	4	4	3	3	3	South	SM	Fair	Fair	Single stem forming spreading crown from 3m in raised planter c.1m above road.	None.	20+	B1	28.2743 3388	3	Fell for hard surfacing
06 T0568		Norway maple	<i>Acer platanoides</i>	11	230	1	3	3	4	4	3	3	South	SM	Fair	Fair	Single stem forming spreading crown from 3m in raised planter c.1m above road.	None.	20+	B1	22.9022 1044	2.7	Fell for hard surfacing
06 T0569		Norway maple	<i>Acer platanoides</i>	12	240	1	4	3	4	3	3	3	West	SM	Fair	Fair	Single stem forming spreading crown from 3m in raised planter c.1m above road.	None.	20+	B1	28.2743 3388	3	Fell for hard surfacing
06 T0570		Norway maple	<i>Acer platanoides</i>	12	230	1	4	3	4	3	4	3	East	SM	Fair	Fair	Single stem forming spreading crown from 4m in raised planter c.1m above road.	None.	20+	B1	22.9022 1044	2.7	Fell for hard surfacing
06 T0571		Norway maple	<i>Acer platanoides</i>	10	140	1	3	3	3	3	3	3	West	SM	Fair	Fair	Single stem forming spreading crown from 3m in raised planter c.1m above road.	None.	10+	C1	10.1787 602	1.8	Fell for hard surfacing
06 T0572		Norway maple	<i>Acer platanoides</i>	9	150	1	4	3	4	4	3	3	South	SM	Fair	Fair	Single stem forming spreading crown from 3m in raised planter c.1m above road.	None.	10+	C1	10.1787 602	1.8	Fell for hard surfacing
06 T0573	4235	Norway maple	<i>Acer platanoides</i>	7	120	1	2	2	2	2	3	3	South	SM	Fair	Fair	Single stem forming compact crown from 3m in central reservation.	None.	10+	C1	7.06858 3471	1.5	Fell for road widening
06 T0574	4236	Norway maple	<i>Acer platanoides</i>	7	130	1	2	2	2	2	3	3	South	SM	Fair	Fair	Single stem forming compact crown from 3m in central reservation.	None.	10+	C1	7.06858 3471	1.5	Fell for road widening
06 T0575	4237	Norway maple	<i>Acer platanoides</i>	7	120	1	2	2	2	2	3	3	South	SM	Fair	Fair	Single stem forming compact crown from 3m in central reservation.	None.	10+	C1	7.06858 3471	1.5	Fell for road widening
06 T0576	4238	Norway maple	<i>Acer platanoides</i>	7	120	1	2	2	2	2	3	3	North	SM	Fair	Fair	Single stem forming compact crown from 3m in central reservation.	None.	10+	C1	7.06858 3471	1.5	Fell for road widening
06 T0577	4239	Norway maple	<i>Acer platanoides</i>	11	140	1	2	2	2	2	3	3	North	SM	Fair	Fair	Single stem forming compact crown from 3m in central reservation.	None.	10+	C1	10.1787 602	1.8	Fell for road widening
06 T0578	4240	Norway maple	<i>Acer platanoides</i>	10	110	1	2	2	2	2	3	3	West	SM	Fair	Fair	Single stem forming compact crown from 3m in central reservation.	None.	10+	C1	4.52389 3421	1.2	Fell for road widening
06 T0579	4241	Norway maple	<i>Acer platanoides</i>	8	120	1	2	2	2	2	3	3	North	SM	Fair	Fair	Single stem forming compact crown from 3m in central reservation.	None.	10+	C1	7.06858 3471	1.5	Fell for road widening
06 T0580	4242	Norway maple	<i>Acer platanoides</i>	8	110	1	2	2	2	2	3	3	North	SM	Fair	Fair	Single stem forming compact crown from 3m in central reservation.	None.	10+	C1	4.52389 3421	1.2	Fell for road widening

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							N	E	S	W													
06 T0581	4243	Sycamore	<i>Acer pseudoplatanus</i>	12	320	1	4	4	4	5	5	4	South	M	Poor	Fair	Single stem forming spreading crown from 4m, dieback throughout, tarmac around base, epicormic growth from base, in decline with limited useful life expectancy.	Fell and replace as good arboricultural practice (<6 months).	>10	U	47.7836 2426	3.9	Fell for hard surfacing
06 T0582	4244	Sycamore	<i>Acer pseudoplatanus</i>	14	570	1	6	6	6	5	4	4	East	M	Poor	Fair	Single stem forming spreading crown from 3m, dieback throughout, girdling root, tarmac around base, deadwood <100mmØ throughout crown.	Remove deadwood (<3 months).	10+	C1	149.571 2262	6.9	
06 T0583	4245	Lime	<i>Tilia sp.</i>	13	400	1	5	5	5	5	6	5	East	M	Fair	Fair	Single stem forming symmetric spreading crown from 5m, tarmac around base.	None.	20+	B1	72.3822 9474	4.8	
06 T0584 P		Lime	<i>Tilia sp.</i>	22	960#	1	7	9	6	6	3	4	East	M	Fair	Fair	Single stem forming spreading crown from 4m, in open grass at hospital, prominent high value tree in local landscape and good example of species.	None.	40+	A1	408.281 3813	11.4	
06 T0585 P		Silver birch	<i>Betula pendula</i>	12	240#	1	3	4	3	3	3	4	East	EM	Fair	Fair	Single stem forming spreading crown in open grass at hospital.	None.	20+	B1	28.2743 3388	3	
06 T0586 P		Silver birch	<i>Betula pendula</i>	11	250#	1	5	5	4	4	1	3	North	EM	Fair	Fair	Single stem forming spreading crown in open grass at hospital.	None.	20+	B1	28.2743 3388	3	Fell for hard surfacing
06 T0587 P		Lime	<i>Tilia sp.</i>	12	250#	1	3	3	3	3	3	3	North	SM	Fair	Fair	Single stem forming spreading crown that merges with neighbouring trees on grass at hospital.	None.	10+	C1	28.2743 3388	3	No dig surfacing
06 T0588 P		Lime	<i>Tilia sp.</i>	13	300#	1	4	5	4	4	2	3	South	M	Fair	Fair	Single stem forming spreading crown that merges with neighbouring trees on grass at hospital.	None.	20+	B1	40.7150 4079	3.6	No dig surfacing
06 T0589 P		Lime	<i>Tilia sp.</i>	12	200#	1	4	4	4	5	2	3	South	SM	Fair	Fair	Single stem forming spreading crown that merges with neighbouring trees on grass at hospital.	None.	20+	B1	18.0955 7368	2.4	
06 T0590 P		Lime	<i>Tilia sp.</i>	12	260#	1	4	4	4	5	3	3	West	SM	Fair	Fair	Single stem forming spreading crown that merges with neighbouring trees on grass at hospital.	None.	20+	B1	28.2743 3388	3	
06 T0591	4246	London plane	<i>Platanus x hispanica</i>	16	500	1	5	4	5	7	5	5	West	M	Fair	Fair	Single stem forming spreading crown that merges with neighbouring trees, in pavement between brick wall and road.	None.	20+	B1	113.097 3355	6	
06 T0592	4247	London plane	<i>Platanus x hispanica</i>	16	580	1	5	8	8	4	6	5	East	M	Fair	Fair	Single stem forming spreading crown that merges with neighbouring trees, in pavement between brick wall and road.	None.	20+	B1	149.571 2262	6.9	
06 T0593	4248	London plane	<i>Platanus x hispanica</i>	15	440	1	5	4	4	8	8	5	West	M	Fair	Fair	Single stem forming spreading crown that merges with neighbouring trees, in pavement between brick wall and road.	None.	20+	B1	91.6088 4178	5.4	
06 T0594	4249	London plane	<i>Platanus x hispanica</i>	16	490	1	5	8	4	4	8	5	West	M	Fair	Fair	Single stem forming spreading crown that merges with neighbouring trees, in pavement between brick wall and road.	None.	20+	B1	113.097 3355	6	
06 T0595	4250	London plane	<i>Platanus x hispanica</i>	15	380	1	5	3	3	8	8	4	South	M	Fair	Fair	Single stem forming spreading crown that merges with neighbouring trees, in pavement between brick wall and road.	None.	20+	B1	63.6172 5124	4.5	
06 T0596	4251	London plane	<i>Platanus x hispanica</i>	16	480	1	5	8	5	4	8	4	West	M	Fair	Fair	Single stem forming spreading crown that merges with neighbouring trees, in pavement between brick wall and road.	None.	20+	B1	102.070 3453	5.7	
06 T0597	4252	London plane	<i>Platanus x hispanica</i>	16	450	1	5	6	4	7	8	5	North	M	Fair	Fair	Single stem forming spreading crown that merges with neighbouring trees, in pavement between brick wall and road.	None.	20+	B1	91.6088 4178	5.4	

Tree No.	Tag No.	Species	Botanical Name	Height (m)	DBH (mm)	No. of stems	Canopy Spread				Canopy Clearance (m)	Lower branch height (m)	Lower branch direction	Age	Physiological condition	Structural condition	Comments	Recommendations	U.L.E	Category	RPA (m3)	RPA radial distance (m)	Work Recommendations to Facilitate the Proposed Development
							N	E	S	W													
06 T0598	4253	London plane	<i>Platanus x hispanica</i>	16	580	1	6	9	5	8	4	5	South	M	Fair	Fair	Single stem forming spreading crown that merges with neighbouring trees, in pavement between brick wall and road.	None.	20+	B1	149.571 2262	6.9	
06 T0599	4254	London plane	<i>Platanus x hispanica</i>	16	420	1	8	9	4	8	8	5	West	M	Fair	Fair	Single stem forming spreading crown that merges with neighbouring trees, in pavement between brick wall and road.	None.	20+	B1	81.7128 2492	5.1	
06 T0600	4255	Wild cherry	<i>Prunus avium</i>	6	190	1	4	5	5	4	2	3	West	EM	Fair	Fair	Single stem forming spreading crown from 2m, on grass by Heuston station.	None.	20+	B1	18.0955 7368	2.4	Fell for earthworks and drainage
06 T0601	4256	Wild cherry	<i>Prunus avium</i>	6	210	1	5	5	4	5	2	3	North	EM	Fair	Fair	Single stem forming spreading crown from 2m, on grass by Heuston station.	None.	20+	B1	18.0955 7368	2.4	Fell for earthworks and drainage
06 T0602	4257	Wild cherry	<i>Prunus avium</i>	6	230	1	5	5	4	5	2	3	South	EM	Fair	Fair	Single stem forming spreading crown from 2m, on grass by Heuston station.	None.	20+	B1	22.9022 1044	2.7	Fell for earthworks and drainage
06 T0603	4258	Wild cherry	<i>Prunus avium</i>	6	230	1	5	5	5	5	2	3	South	EM	Fair	Fair	Single stem forming spreading crown from 2m, on grass by Heuston station.	None.	20+	B1	22.9022 1044	2.7	Fell for earthworks and drainage
06 T0604	4259	Wild cherry	<i>Prunus avium</i>	5	170	1	5	4	4	5	2	2	West	EM	Fair	Fair	Single stem forming spreading crown from 2m, on grass by Heuston station.	None.	20+	B1	13.8544 236	2.1	Fell for earthworks and drainage
06 T0605	4260	Wild cherry	<i>Prunus avium</i>	5	110	1	2	2	2	2	2	3	West	EM	Fair	Fair	Single stem forming spreading crown from 2m, on grass by Heuston station.	None.	10+	C1	4.52389 3421	1.2	
06 T0605 *	4261	Wild cherry	<i>Prunus avium</i>	5	220	1	4	4	3	3	2	3	North	EM	Fair	Fair	Single stem forming spreading crown from 3m, in border.	None.	20+	B1	22.9022 1044	2.7	
06 T0607	4262	Field maple	<i>Acer campestre</i>	8	220	1	4	4	3	4	3	3	South	EM	Fair	Fair	Single stem forming compact crown from 3m that merges with neighbouring trees, bicycle parking beneath.	None.	20+	B1	22.9022 1044	2.7	
06 T0608	4263	Field maple	<i>Acer campestre</i>	8	180	1	4	3	3	3	3	3	East	EM	Fair	Fair	Single stem forming compact crown from 3m that merges with neighbouring trees, bicycle parking beneath.	None.	20+	B1	13.8544 236	2.1	
06 T0609		Field maple	<i>Acer campestre</i>	8	120	1	2	2	2	2	3	3	South	EM	Fair	Fair	Single stem forming compact crown from 3m that merges with neighbouring trees, bicycle parking beneath.	None.	10+	C1	6	2	
06 T0610	4264	Field maple	<i>Acer campestre</i>	8	180	1	3	2	3	2	3	3	East	EM	Fair	Fair	Single stem forming compact crown from 3m that merges with neighbouring trees, bicycle parking beneath.	None.	20+	B1	13.8544 236	2.1	
06 T0611	4265	Field maple	<i>Acer campestre</i>	8	180	1	3	2	3	3	3	3	West	EM	Fair	Fair	Single stem forming compact crown from 3m that merges with neighbouring trees, bicycle parking beneath.	None.	20+	B1	13.8544 236	2.1	
06 T0612	4266	Field maple	<i>Acer campestre</i>	8	230	1	3	3	2	3	3	3	South	EM	Fair	Fair	Single stem forming compact crown from 3m that merges with neighbouring trees, bicycle parking beneath.	None.	20+	B1	22.9022 1044	2.7	
06 T0613	4267	Field maple	<i>Acer campestre</i>	8	190	1	3	2	3	2	3	3	East	EM	Fair	Fair	Single stem forming compact crown from 3m that merges with neighbouring trees, bicycle parking beneath.	None.	20+	B1	18.0955 7368	2.4	
06 T0614	4268	Field maple	<i>Acer campestre</i>	8	130	1	3	3	3	3	3	3	West	EM	Fair	Fair	Single stem forming compact crown from 3m that merges with neighbouring trees, bicycle parking beneath.	None.	20+	B1	7.06858 3471	1.5	
06 T0615	4269	Himalayan Birch	<i>Betula utilis</i>	10	130	1	3	3	3	3	1	5	South	SM	Fair	Fair	Single stem forming spreading crown in pavement outside Heuston station.	None.	20+	B1	7.06858 3471	1.5	

Tree No.	Tag No.	Species	Botanical Name	Height (m)	DBH (mm)	No. of stems	Canopy Spread				Canopy Clearance (m)	Lower branch height (m)	Lower branch direction	Age	Physiological condition	Structural condition	Comments	Recommendations	U.L.E	Category	RPA (m3)	RPA radial distance (m)	Work Recommendations to Facilitate the Proposed Development
							N	E	S	W													
06 T0616	4270	Himalayan Birch	<i>Betula utilis</i>	10	140	1	3	3	3	3	1	3	East	SM	Fair	Fair	Single stem forming spreading crown in pavement outside Heuston station.	None.	20+	B1	10.1787602	1.8	
06 T06017*	4271	Himalayan Birch	<i>Betula utilis</i>	10	85	1	1	1	1	1	1	3	South	SM	Fair	Fair	Single stem forming spreading crown in pavement outside Heuston station.	None.	10+	C1	2.544690049	0.9	
06 T0618	4272	Himalayan Birch	<i>Betula utilis</i>	10	100	1	2	2	2	2	1	4	West	SM	Fair	Fair	Single stem forming spreading crown in pavement outside Heuston station.	None.	20+	B1	4.523893421	1.2	
06 T0619	4273	Norway maple	<i>Acer platanoides</i>	12	350	1	6	5	5	4	4	4	North	M	Fair	Fair	Single stem forming spreading crown from 4m in pavement by Heuston station.	None.	20+	B1	55.41769441	4.2	

Key to Abbreviations Used in the Survey

Ref No	Specific identification number given to each tree or group. T=Tree/H=Hedge/G=Group/S=Shrub/W=Woodland	
Tag No	Tree marked with individual tree tag of this reference number on site.	
Species	Common name followed by botanical name	
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 Annexe 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 within the road boundary 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	<p>Young (Y): Newly planted tree 0-10 years.</p> <p>Semi-Mature (SM): Tree in the first third of its normal life expectancy for the species (significant potential for future growth in size).</p> <p>Early Mature (EM): Tree in the second third of its normal life expectancy for the species (some potential for future growth in size)</p> <p>Mature (M): Tree in the final third of its normal life expectancy for the species (having typically reached its approximate ultimate size).</p> <p>Over Mature (OM): Tree beyond the normal life expectancy for the species.</p> <p>Veteran (V): Tree which is of interest biologically, aesthetically or culturally because of its condition, size or age.</p>	
Structural condition	<p>Good: No significant structural defects</p> <p>Fair: Structural defects which can be resolved via remedial works.</p> <p>Poor: Structural defects which cannot be resolved via remedial works.</p> <p>Dead: Dead.</p>	
Physiological condition	<p>Good: Normal vitality including leaf size, bud growth, density of crown and wound wood development.</p> <p>Fair: Lower than normal vitality, reduced bud development, reduced crown density, reduced response to wounds.</p> <p>Poor: Low vitality, low development and distribution of buds, discoloured leaves, low crown density, little extension growth for the species.</p> <p>Dead: Dead</p> <p>Fair/Good = Indicates an intermediate condition</p> <p>Fair – Good = Indicates a range of conditions (e.g. within a group)</p>	

Preliminary management recommendations	Works identified during the tree survey as part of sound arboricultural management, based on the current context of the Site (where relevant reference has been made to tree management based on the potential future context of the site).
Works to facilitate the development	Tree works identified as necessary to facilitate the Proposed Development following a desk top analysis of the proposals in relation to tree constraints.

Appendix B Tree Clearance Plans

Lucan:

- BCIDA-ACM-ENV_LA-0006_XX_00-DR-ES-0001 to BCIDA-ACM-ENV_LA-0006_XX_00-DR-ES-0031

GENERAL NOTES

1. TREE SURVEY CARRIED OUT BY SUB CONSULTANTS AS DETAILED IN ARBORICULTURAL REPORT.
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KEY

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- SURVEYED EXISTING TREE, GROUP OR HEDGE TO BE REMOVED
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- UNSURVEYED EXISTING TREE FEATURE TO BE REMOVED (AS BASED UPON TOPOGRAPHICAL SURVEY AND AERIAL IMAGERY)
- ROOT PROTECTION AREAS (RPA) OF RETAINED TREES (AS DEFINED BY BS 5837:2012)
- ROOT PROTECTION AREAS (RPA) OF REMOVED TREES (AS DEFINED BY BS 5837:2012)
- NO DIG ZONE (NEW HARD SURFACING MUST BE ACHIEVED USING A PROPRIETARY PART OF THE SYSTEM INSTALLED USING THE TECHNIQUES AS SET OUT WITHIN THE ARBORICULTURAL IMPACT ASSESSMENT)



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



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Rev	Date	Drn	Chk'd	App'd	Description
L01	02/03/22	CC	AD	CA	UPDATED WITH NEW DESIGN

Client: **NTA**
 Údarás Náisiúnta Iompair
 National Transport Authority

Engineering Designer: **AECOM**
 MOTT MACDONALD

Date: 02/03/22
 Project Code: BCIDA

Scale: 1:500 @ A1, 1:1000 @ A3
 Originator Code: ACM

Drawn: C.COULPLAND
 Checked: A.T.DALE
 Approved: C.ACTON

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

Drawing Title: **LUCAN TO CITY CENTRE SCHEME TREE CLEARANCE PLAN**

Drawing File Name: BCIDA-ACM-ENV_LA-0006_XX_00-DR-ES-0001
 Sheet Number: 01 of 31
 Status: S4
 Rev: L01

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0 5.0 10.0 20.0 30.0 40.0 50.0m

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



SHEET 2

SHEET 26

SHEET 3

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- ROOT PROTECTION AREAS (RPA) OF REMOVED TREES (AS DERIVED BY 05/07/2012)
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L01	02/03/22	CC	AD	CA	UPDATED WITH NEW DESIGN

Client NTA Údarás Náisiúnta Iompair National Transport Authority		Engineering Designer AECOM MOTT MACDONALD	
Date 02/03/22	Scale 1:500 @ A1 1:1000 @ A3	Drawn C.COULPLAND	Checked A.T.DALE
Project Code BCIDA	Originator Code ACM	Approved C.ACTON	

Programme Title BUSCONNECTS DUBLIN			
Drawing Title CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing File Name BCIDA-ACM-ENV_LA-0006_XX_00-DR-ES-0002			
Sheet Number 02 of 31	Status S4	Rev L01	

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0 5.0 10.0 20.0 30.0 40.0 50.0m

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



- 06 T0256 P
- 06 T0259 P
- 06 T0262 P
- 06 T0264 P
- 06 T0263 P
- 06 T0265 P
- 06 T0266 P
- 06 T0267 P
- 06 T0268 P
- 06 T0269 P
- 06 T0270 P
- 06 T0271 P
- 06 T0272 P
- 06 T0237 P
- 06 T0238 P
- 06 T0239 P
- 06 T0241 P
- 06 T0243 P
- 06 T0245 P
- 06 T0246 P
- 06 T0249 P
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- 06 T0253 P
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- 06 T0221 P
- 06 T0222 P
- 06 T0223 P
- 06 T0224 P
- 06 T0225 P
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- 06 T0227 P
- 06 T0228 P
- 06 T0229 P
- 06 T0230 P
- 06 T0232 P
- 06 T0236 P
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- 06 T0199 P
- 06 T0200 P
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- 06 T0205 P
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- 06 T0209 P
- 06 T0210 P
- 06 T0211 P
- 06 T0179 P
- 06 T0180 P
- 06 T0152 P
- 06 T0181 P
- 06 T0182 P
- 06 T0151 P
- 06 T0150 P*
- 06 T0183 P
- 06 T0184 P
- 06 T0189 P
- 06 T0155 P
- 06 T0154 P
- 06 T0153 P
- 06 T0176 P
- 06 T0177 P
- 06 T0178 P

Additional tree removals to West of this point required due to golf netting footings. Layout not currently shown.

SHEET 3

SHEET 4

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Client NTA Údarás Náisiúnta Iompair National Transport Authority		Engineering Designer AECOM MOTT MACDONALD	
Date 02/03/22	Scale 1:500 @ A1 1:1000 @ A3	Drawn C.COUPLAND	Checked A.T.DALE
Project Code BCIDA	Originator Code ACM	Approved C.ACTON	

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title LUCAN TO CITY CENTRE SCHEME TREE CLEARANCE PLAN			
Drawing File Name BCIDA-ACM-ENV_LA-0006_XX_00-DR-ES-0003	Sheet Number 03 of 31	Status S4	Rev L01

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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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- UNSURVEYED EXISTING TREE FEATURE TO BE RETAINED (AS BASED UPON TOPOGRAPHICAL SURVEY AND AERIAL IMAGERY)
- UNSURVEYED EXISTING TREE FEATURE TO BE REMOVED (AS BASED UPON TOPOGRAPHICAL SURVEY AND AERIAL IMAGERY)
- ROOT PROTECTION AREAS (RPA) OF RETAINED TREES (AS DEFINED BY BS 5822:2012)
- ROOT PROTECTION AREAS (RPA) OF REMOVED TREES (AS DEFINED BY BS 5822:2012)
- NO DIG ZONE (HIGH WIND SURFACING MUST BE ACHIEVED USING A PROPRIETARY RAFT OR TILE SYSTEM INSTALLED USING NO DIG TECHNIQUES AS SET OUT WITHIN THE ARBORICULTURAL IMPACT ASSESSMENT)

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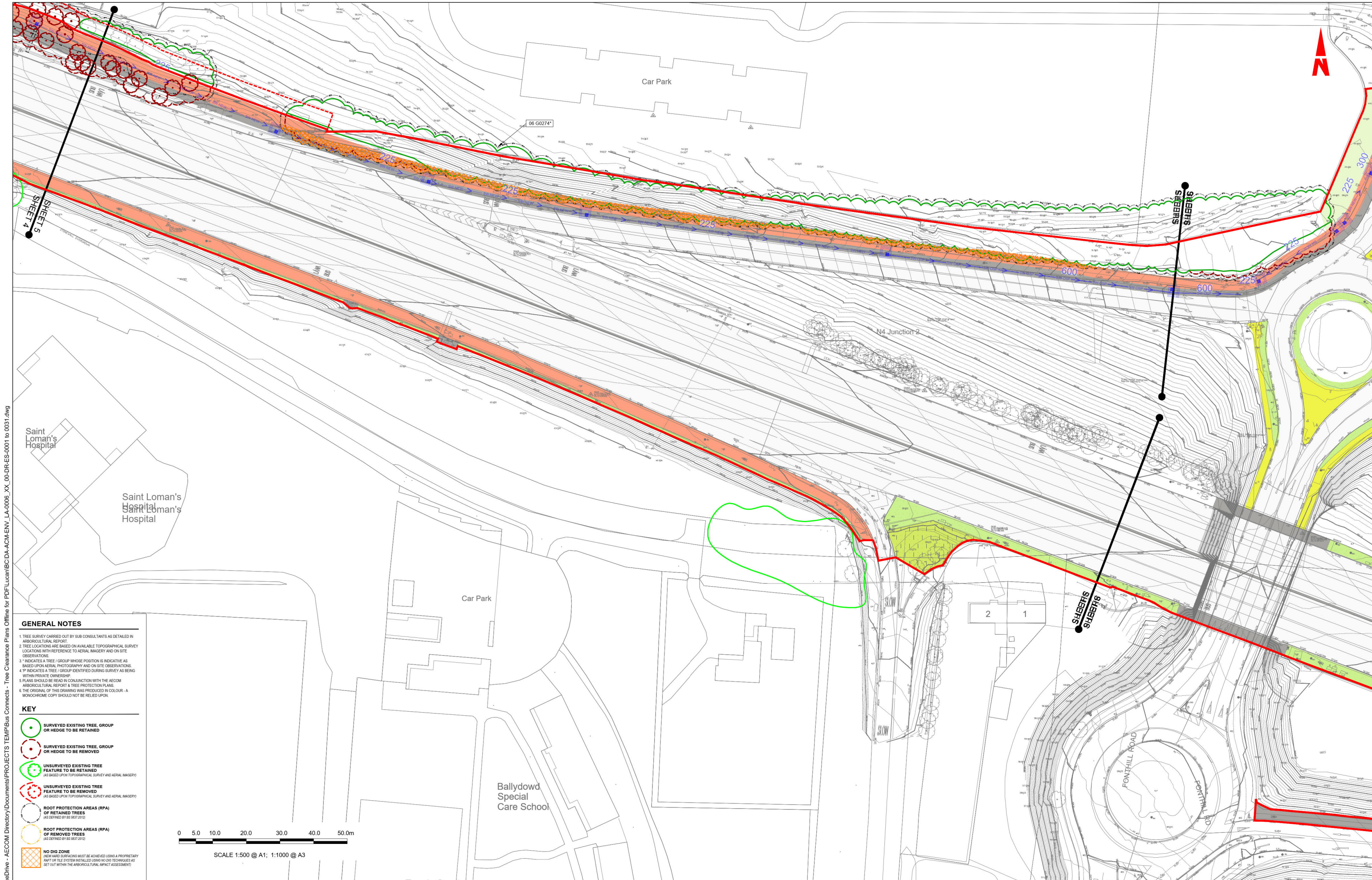
Rev	Date	Drn	Chk'd	App'd	Description
L01	02/03/22	CC	AD	CA	UPDATED WITH NEW DESIGN

Client NTA Údarás Náisiúnta Iompair National Transport Authority		Engineering Designer AECOM M M MOTT MACDONALD		
Date 02/03/22	Scale 1:500 @ A1 1:1000 @ A3	Drawn C.COULPLAND	Checked A.T.DALE	Approved C.ACTON
Project Code BCIDA	Originator Code ACM	OMS Code		

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title LUCAN TO CITY CENTRE SCHEME TREE CLEARANCE PLAN			
Drawing File Name BCIDA-ACM-ENV_LA-0006_XX_00-DR-ES-0004	Sheet Number 04 of 31	Status S4	Rev L01

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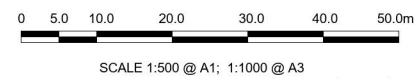
SHEETS 4

SHEETS 5

SHEETS 6

- GENERAL NOTES**
1. TREE SURVEY CARRIED OUT BY SUB CONSULTANTS AS DETAILED IN ARBORICULTURAL REPORT.
 2. TREE LOCATIONS ARE BASED ON AVAILABLE TOPOGRAPHICAL SURVEY LOCATIONS WITH REFERENCE TO AERIAL IMAGERY AND ON SITE OBSERVATIONS.
 3. * INDICATES A TREE / GROUP WHOSE POSITION IS INDICATIVE AS BASED UPON AERIAL PHOTOGRAPHY AND ON SITE OBSERVATIONS.
 4. † INDICATES A TREE / GROUP IDENTIFIED DURING SURVEY AS BEING WITHIN PRIVATE OWNERSHIP.
 5. PLANS SHOULD BE READ IN CONJUNCTION WITH THE AECOM ARBORICULTURAL REPORT & TREE PROTECTION PLANS.
 6. THE ORIGINAL OF THIS DRAWING WAS PRODUCED IN COLOUR - A MONOCHROME COPY SHOULD NOT BE RELIED UPON.

- KEY**
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 - SURVEYED EXISTING TREE, GROUP OR HEDGE TO BE REMOVED
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Rev	Date	Drn	Chk'd	App'd	Description
L01	02/03/22	CC	AD	CA	UPDATED WITH NEW DESIGN

Client: **NTA**
Údarás Náisiúnta Iompair
National Transport Authority

Engineering Designer: **AECOM**, **MOTT MACDONALD**

Date: 02/03/22
Project Code: BCIDA

Scale: 1:500 @ A1, 1:1000 @ A3
Originator Code: ACM

Drawn: C.COULPLAND
Checked: A.T.DALE
Approved: C.ACTON

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: LUCAN TO CITY CENTRE SCHEME TREE CLEARANCE PLAN			
Drawing File Name: BCIDA-ACM-ENV_LA-0006_XX_00-DR-ES-0005	Sheet Number: 05 of 31	Status: S4	Rev: L01

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GENERAL NOTES

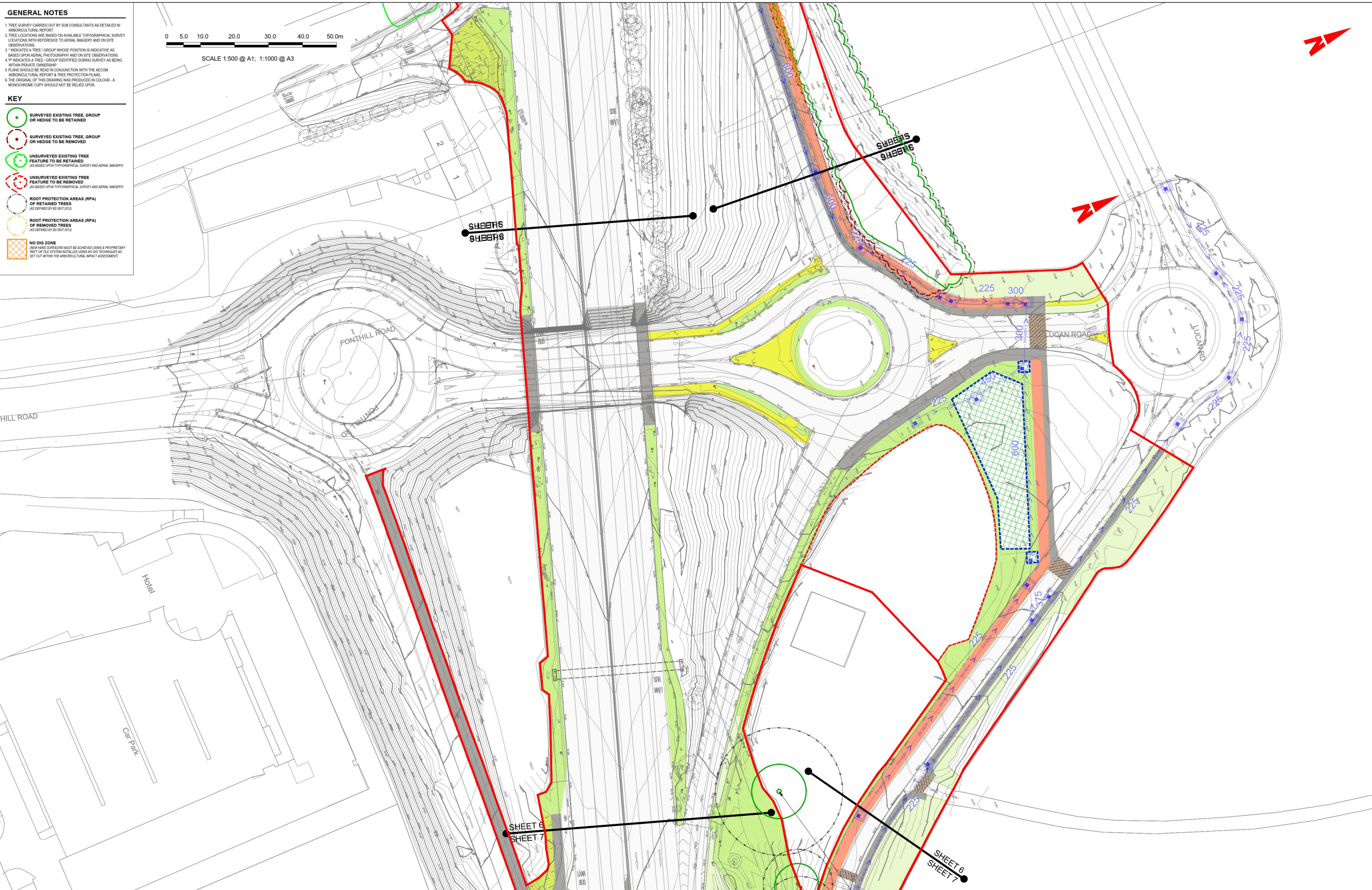
1. TREE SURVEY CARRIED OUT BY SUB CONSULTANTS AS DETAILED IN ARBORICULTURAL REPORT.
2. TREE LOCATIONS ARE BASED ON AVAILABLE TOPOGRAPHICAL SURVEY LOCATIONS WITH REFERENCE TO AERIAL IMAGERY AND ON SITE OBSERVATIONS.
3. * INDICATES A TREE / GROUP WHOSE POSITION IS INDICATIVE AS BASED UPON AERIAL PHOTOGRAPHY AND ON SITE OBSERVATIONS.
4. ** INDICATES A TREE / GROUP IDENTIFIED DURING SURVEY AS BEING WITHIN PRIVATE OWNERSHIP.
5. PLANS SHOULD BE READ IN CONJUNCTION WITH THE AECOM ARBORICULTURAL REPORT & TREE PROTECTION PLANS.
6. THE ORIGINAL OF THIS DRAWING WAS PRODUCED IN COLOUR - A MONOCHROME COPY SHOULD NOT BE RELIED UPON.

KEY

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



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Rev	Date	Drn	Chk'd	App'd	Description
L01	02/03/22	CC	AD	CA	UPDATED WITH NEW DESIGN

Client: **NTA**
 Údarás Náisiúnta Iompair
 National Transport Authority

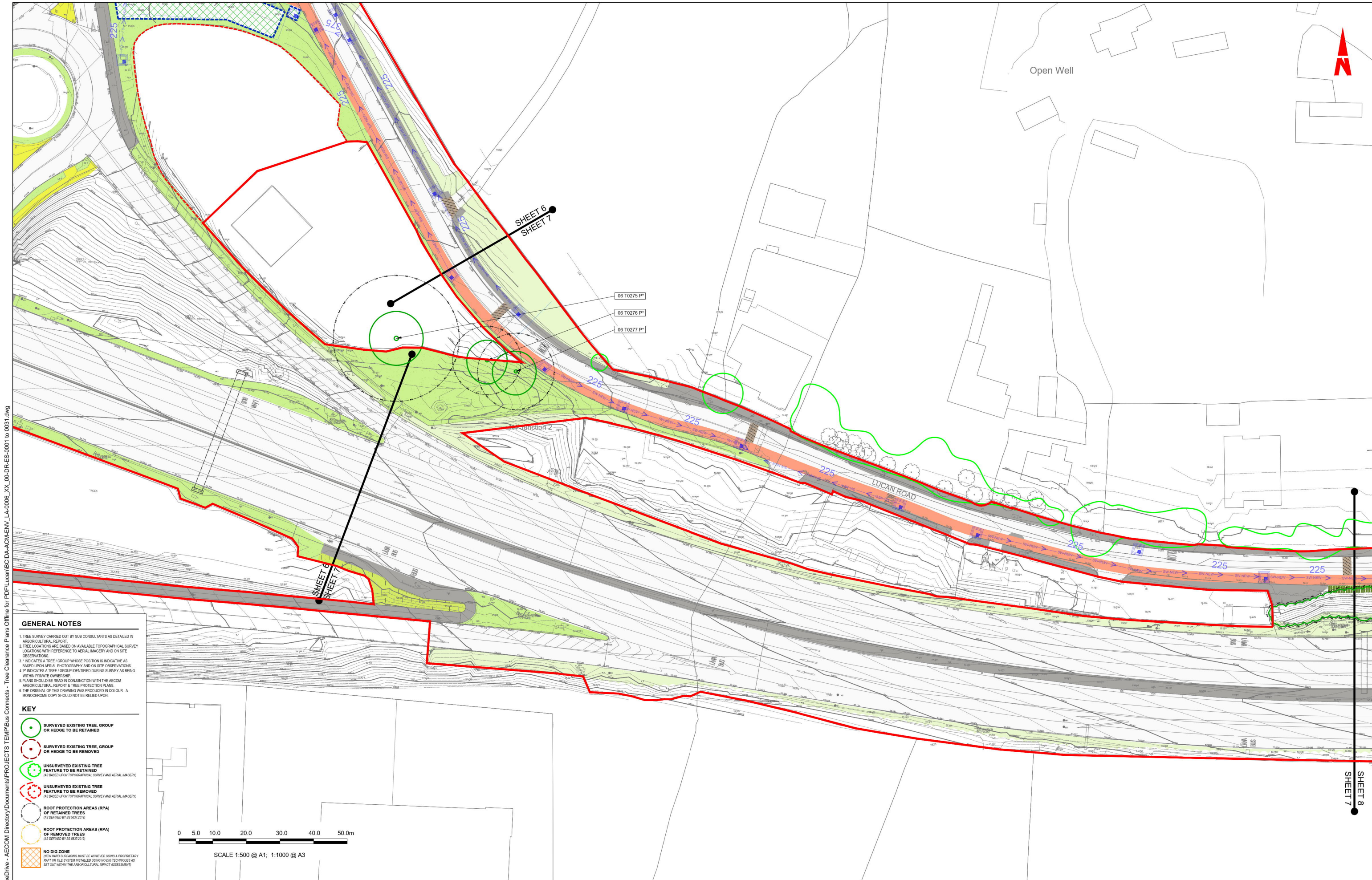
Engineering Designer: **AECOM**
 MOTT MACDONALD

Date: 02/03/22
 Scale: 1:500 @ A1, 1:1000 @ A3
 Project Code: BCIDA
 Originator Code: ACM

Drawn: C.COULPLAND
 Checked: A.T.DALE
 Approved: C.ACTON

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: LUCAN TO CITY CENTRE SCHEME TREE CLEARANCE PLAN			
Drawing File Name: BCIDA-ACM-ENV_LA-0006_XX_00-DR-ES-0006	Sheet Number: 06 of 31	Status: S4	Rev: L01

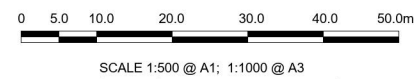
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GENERAL NOTES

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2. TREE LOCATIONS ARE BASED ON AVAILABLE TOPOGRAPHICAL SURVEY LOCATIONS WITH REFERENCE TO AERIAL IMAGERY AND ON SITE OBSERVATIONS.
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6. THE ORIGINAL OF THIS DRAWING WAS PRODUCED IN COLOUR - A MONOCHROME COPY SHOULD NOT BE RELIED UPON.

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Project Ireland 2040
Building Ireland's Future

Rev	Date	Drn	Chk'd	App'd	Description
L01	02/03/22	CC	AD	CA	UPDATED WITH NEW DESIGN

 Údarás Náisiúnta Iompair National Transport Authority		Engineering Designer 		
Date	Scale	Drawn	Checked	Approved
02/03/22	1:500 @ A1 1:1000 @ A3	C.COULPLAND	A.T.DALE	C.ACTON
Project Code	Originator Code	OMS Code		
BCIDA	ACM			

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title LUCAN TO CITY CENTRE SCHEME TREE CLEARANCE PLAN			
Drawing File Name	Sheet Number	Status	Rev
BCIDA-ACM-ENV_LA-0006_XX_00-DR-ES-0007	07 of 31	S4	L01

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GENERAL NOTES

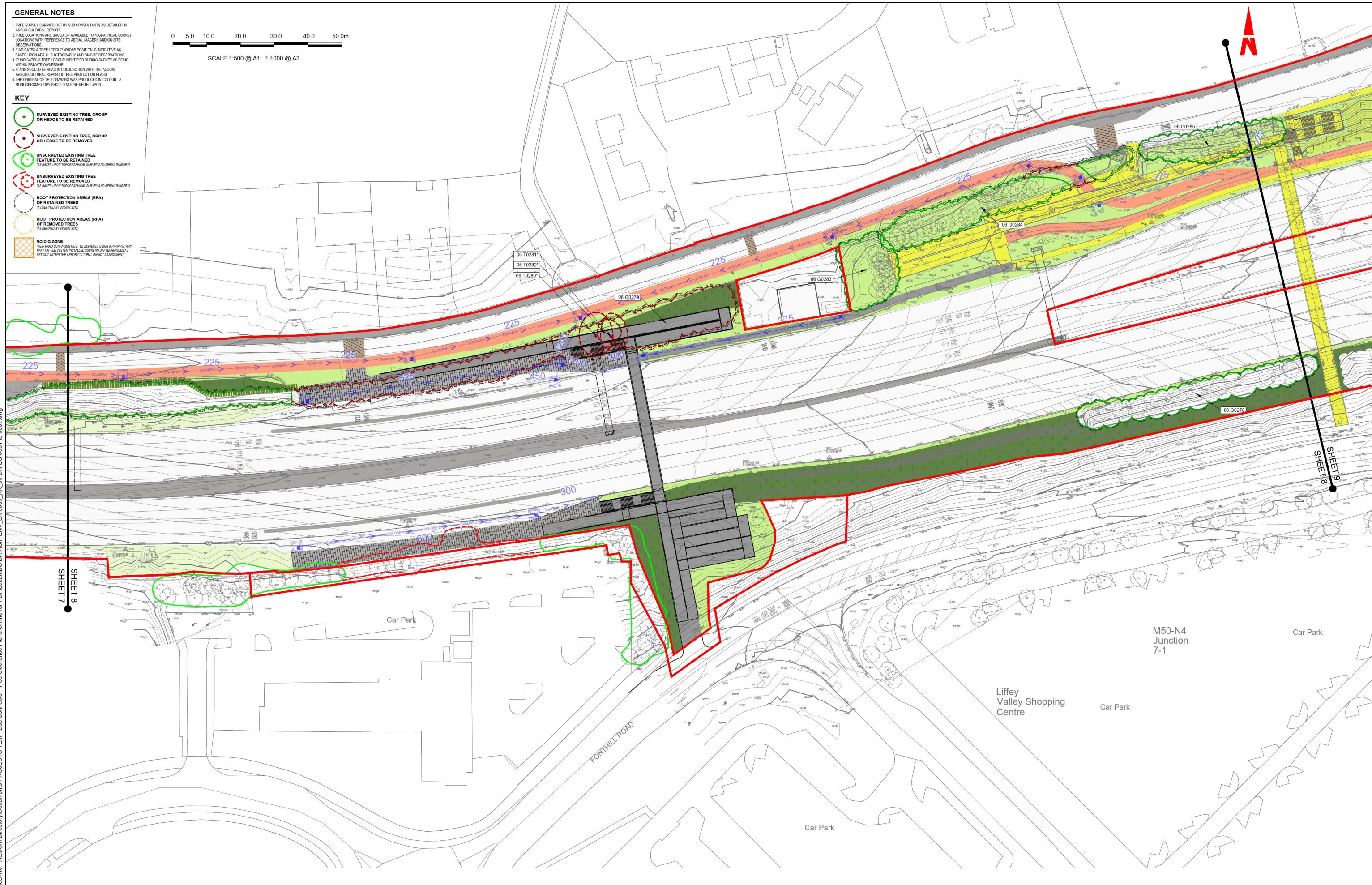
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SCALE 1:500 @ A1; 1:1000 @ A3



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Rev	Date	Drn	Chk'd	App'd	Description
L01	02/03/22	CC	AD	CA	UPDATED WITH NEW DESIGN

Client NTA Údarás Náisiúnta Iompair National Transport Authority		Engineering Designer AECOM MOTT M		
Date 02/03/22	Scale 1:500 @ A1 1:1000 @ A3	Drawn C.COULPLAND	Checked A.T.DALE	Approved C.ACTON
Project Code BCIDA	Originator Code ACM	OMS Code		

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title LUCAN TO CITY CENTRE SCHEME TREE CLEARANCE PLAN			
Drawing File Name BCIDA-ACM-ENV_LA-0006_XX_00-DR-ES-0008	Sheet Number 08 of 31	Status S4	Rev L01

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GENERAL NOTES

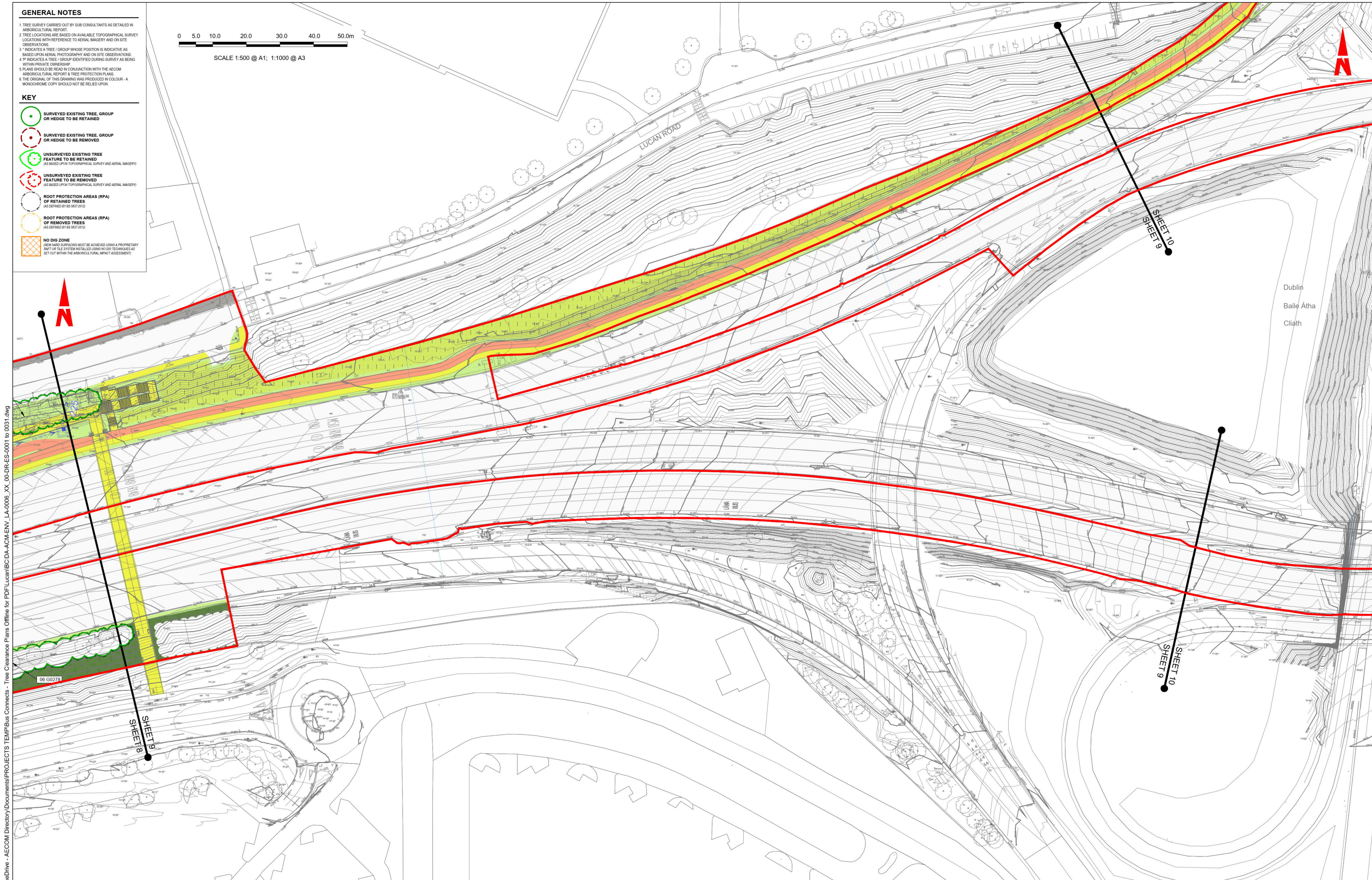
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SCALE 1:500 @ A1; 1:1000 @ A3



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L01	02/03/22	CC	AD	CA	UPDATED WITH NEW DESIGN

Client NTA Údarás Náisiúnta Iompair National Transport Authority		Engineering Designer AECOM MOTT M		
Date 02/03/22	Scale 1:500 @ A1 1:1000 @ A3	Drawn C.COULPLAND	Checked A.T.DALE	Approved C.ACTON
Project Code BCIDA	Originator Code ACM	OMS Code		

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title LUCAN TO CITY CENTRE SCHEME TREE CLEARANCE PLAN			
Drawing File Name BCIDA-ACM-ENV_LA-0006_XX_00-DR-ES-0009	Sheet Number 09 of 31	Status S4	Rev L01

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

SHEET 11
SHEET 10

SHEET 12
SHEET 10

SHEET 10
SHEET 9

SHEET 10
SHEET 9

Dublin
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Cliath

M50-N4
Junction

GLENPARK DRIVE

GENERAL NOTES

1. TREE SURVEY CARRIED OUT BY SUB CONSULTANTS AS DETAILED IN ARBORICULTURAL REPORT.
2. TREE LOCATIONS ARE BASED ON AVAILABLE TOPOGRAPHICAL SURVEY LOCATIONS WITH REFERENCE TO AERIAL IMAGERY AND ON SITE OBSERVATIONS.
3. * INDICATES A TREE / GROUP WHOSE POSITION IS INDICATIVE AS BASED UPON AERIAL PHOTOGRAPHY AND ON SITE OBSERVATIONS.
4. P* INDICATES A TREE / GROUP IDENTIFIED DURING SURVEY AS BEING WITHIN PRIVATE OWNERSHIP.
5. PLANS SHOULD BE READ IN CONJUNCTION WITH THE AECOM ARBORICULTURAL REPORT & TREE PROTECTION PLANS.
6. THE ORIGINAL OF THIS DRAWING WAS PRODUCED IN COLOUR - A MONOCHROME COPY SHOULD NOT BE RELIED UPON.

KEY

- SURVEYED EXISTING TREE, GROUP OR HEDGE TO BE RETAINED
- SURVEYED EXISTING TREE, GROUP OR HEDGE TO BE REMOVED
- UNSURVEYED EXISTING TREE FEATURE TO BE RETAINED (AS BASED UPON TOPOGRAPHICAL SURVEY AND AERIAL IMAGERY)
- UNSURVEYED EXISTING TREE FEATURE TO BE REMOVED (AS BASED UPON TOPOGRAPHICAL SURVEY AND AERIAL IMAGERY)
- ROOT PROTECTION AREAS (RPA) OF RETAINED TREES (AS DERIVED BY BS 5827:2012)
- ROOT PROTECTION AREAS (RPA) OF REMOVED TREES (AS DERIVED BY BS 5827:2012)
- NO DIG ZONE (NEED HARD SURFACING MUST BE ACHIEVED USING A PROPRIETARY RAFT OR TILE SYSTEM INSTALLED USING NO DIG TECHNIQUES AS SET OUT WITHIN THE ARBORICULTURAL IMPACT ASSESSMENT)

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Rev	Date	Drn	Chk'd	App'd	Description
L01	02/03/22	CC	AD	CA	UPDATED WITH NEW DESIGN

Client NTA Údarás Náisiúnta Iompair National Transport Authority		Engineering Designer AECOM MOTT MACDONALD	
Date 02/03/22	Scale 1:500 @ A1 1:1000 @ A3	Drawn C.COULPLAND	Checked A.T.DALE
Project Code BCIDA	Originator Code ACM	Approved C.ACTON	

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title LUCAN TO CITY CENTRE SCHEME TREE CLEARANCE PLAN			
Drawing File Name BCIDA-ACM-ENV_LA-0006_XX_00-DR-ES-0010	Sheet Number 10 of 31	Status S4	Rev L01

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GENERAL NOTES

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

KEY

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Rev	Date	Drn	Chk'd	App'd	Description
L01	02/03/22	CC	AD	CA	UPDATED WITH NEW DESIGN

Client NTA Údarás Náisiúnta Iompair National Transport Authority		Engineering Designer AECOM MOTT M		
Date 02/03/22	Scale 1:500 @ A1 1:1000 @ A3	Drawn C.COULPLAND	Checked A.T.DALE	Approved C.ACTON
Project Code BCIDA	Originator Code ACM	QMS Code		

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title LUCAN TO CITY CENTRE SCHEME TREE CLEARANCE PLAN			
Drawing File Name BCIDA-ACM-ENV_LA-0006_XX_00-DR-ES-0011	Sheet Number 11 of 31	Status S4	Rev L01

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GENERAL NOTES

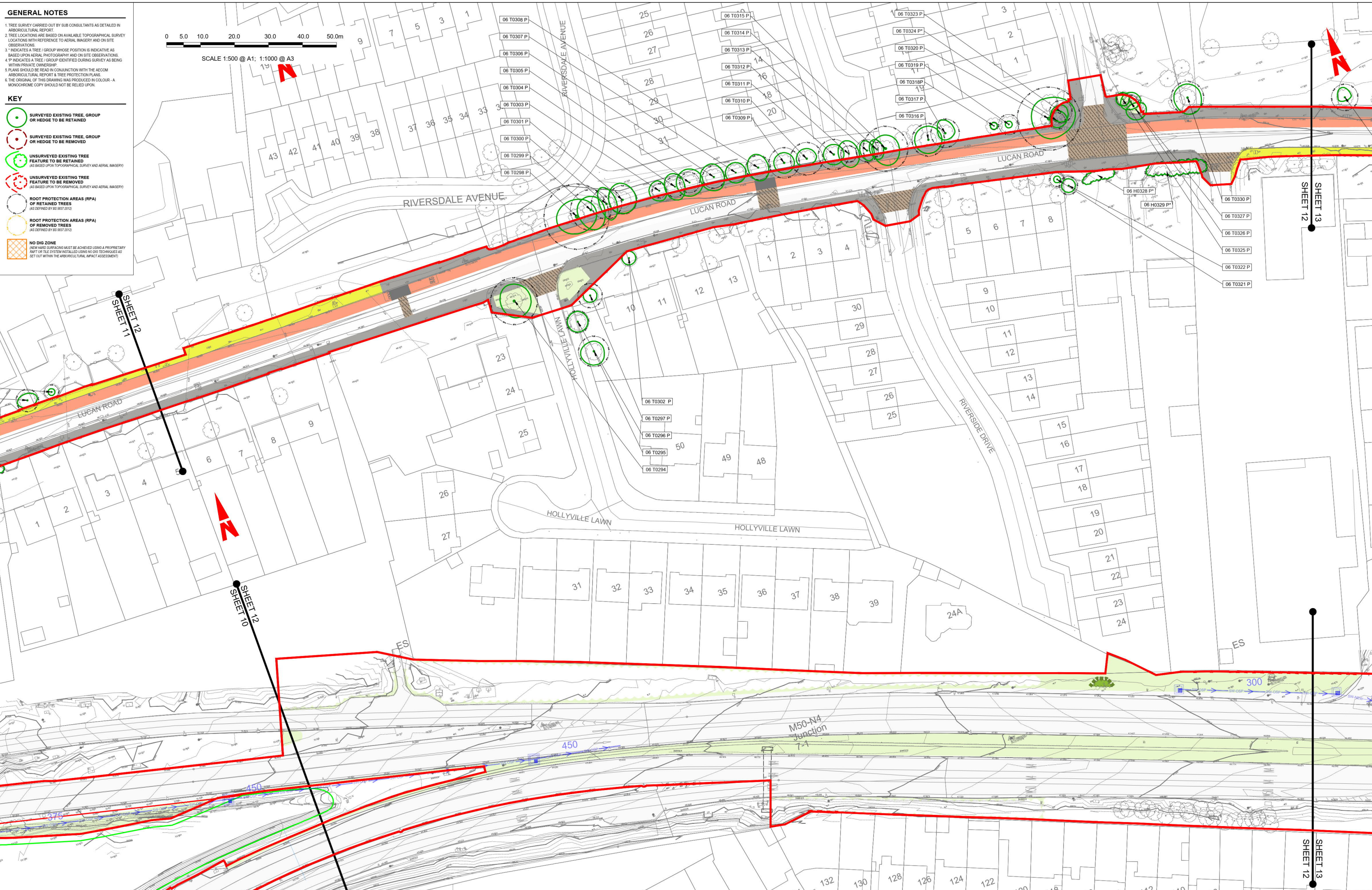
1. TREE SURVEY CARRIED OUT BY SUB CONSULTANTS AS DETAILED IN ARBORICULTURAL REPORT.
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SCALE 1:500 @ A1; 1:1000 @ A3



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Project Ireland 2040
 Building Ireland's Future

Rev	Date	Drn	Chk'd	App'd	Description
L01	02/03/22	CC	AD	CA	UPDATED WITH NEW DESIGN

Client
NTA
 Údarás Náisiúnta Iompair
 National Transport Authority

Engineering Designer
AECOM
 MOTT MACDONALD

Programme Title
BUSCONNECTS DUBLIN
CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Drawing Title
 LUCAN TO CITY CENTRE SCHEME
 TREE CLEARANCE PLAN

Date	02/03/22	Scale	1:500 @ A1 1:1000 @ A3	Drawn	C.COULPLAND	Checked	A.T.DALE	Approved	C.ACTON
Project Code	BCIDA	Originator Code	ACM	OMS Code					

Drawing File Name	BCIDA-ACM-ENV_LA-0006_XX_00-DR-ES-0012	Sheet Number	12 of 31	Status	S4	Rev	L01
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KEY

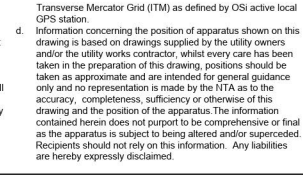
- SURVEYED EXISTING TREE, GROUP OR HEDGE TO BE RETAINED
- SURVEYED EXISTING TREE, GROUP OR HEDGE TO BE REMOVED
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SCALE 1:500 @ A1; 1:1000 @ A3



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Rev	Date	Drn	Chk'd	App'd	Description
L01	02/03/22	CC	AD	CA	UPDATED WITH NEW DESIGN

Client: **NTA**
 Údarás Náisiúnta Iompair
 National Transport Authority

Engineering Designer: **AECOM**, **MOTT MACDONALD**

Date: 02/03/22
 Scale: 1:500 @ A1, 1:1000 @ A3
 Project Code: BCIDA
 Originator Code: ACM

Drawn: C.COULPLAND
 Checked: A.T.DALE
 Approved: C.ACTON

Programme Title	Drawing Title	Drawing File Name	Sheet Number	Status	Rev
BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS	LUCAN TO CITY CENTRE SCHEME TREE CLEARANCE PLAN	BCIDA-ACM-ENV_LA-0006_XX_00-DR-ES-0013	13 of 31	S4	L01

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GENERAL NOTES

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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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Rev	Date	Drn	Chk'd	App'd	Description
L01	02/03/22	CC	AD	CA	UPDATED WITH NEW DESIGN

Client: **NTA**
 Údarás Náisiúnta Iompair
 National Transport Authority

Engineering Designer: **AECOM**
 MOTT MACDONALD

Date: 02/03/22
 Project Code: BCIDA
 Scale: 1:500 @ A1, 1:1000 @ A3
 Originator Code: ACM

Drawn: C.COULPLAND
 Checked: A.T.DALE
 Approved: C.ACTON

QMS Code: OMS

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: LUCAN TO CITY CENTRE SCHEME TREE CLEARANCE PLAN			
Drawing File Name: BCIDA-ACM-ENV_LA-0006_XX_00-DR-ES-0014	Sheet Number: 14 of 31	Status: S4	Rev: L01

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GENERAL NOTES

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Project Ireland 2040
Building Ireland's Future

Rev	Date	Drn	Chk'd	App'd	Description
L01	02/03/22	CC	AD	CA	UPDATED WITH NEW DESIGN

Client
NTA
Údarás Náisiúnta Iompair
National Transport Authority

Engineering Designer
AECOM
MOTT MACDONALD

Date: 02/03/22
Scale: 1:500 @ A1, 1:1000 @ A3
Project Code: BCIDA, Originator Code: ACM

Drawn: C.COULPLAND, Checked: A.T.DALE, Approved: C.ACTON

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title LUCAN TO CITY CENTRE SCHEME TREE CLEARANCE PLAN			
Drawing File Name BCIDA-ACM-ENV_LA-0006_XX_00-DR-ES-0015	Sheet Number 15 of 31	Status S4	Rev L01

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0 5.0 10.0 20.0 30.0 40.0 50.0m

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

25, 25A

General Hospital

Sports Ground Multiple Use

River Liffey
An Life

Glenside Industrial Estate

Stewarts Hospital



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GENERAL NOTES

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2. TREE LOCATIONS ARE BASED ON AVAILABLE TOPOGRAPHICAL SURVEY LOCATIONS WITH REFERENCE TO AERIAL, IMAGERY AND ON SITE OBSERVATIONS.
3. * INDICATES A TREE / GROUP WHOSE POSITION IS INDICATIVE AS BASED UPON AERIAL PHOTOGRAPHY AND / OR SITE OBSERVATIONS.
4. * INDICATES A TREE / GROUP IDENTIFIED DURING SURVEY AS BEING WITHIN PRIVATE OWNERSHIP.
5. PLANS SHOULD BE READ IN CONJUNCTION WITH THE AECOM ARBORICULTURAL REPORT & TREE PROTECTION PLANS.
6. THE ORIGINAL OF THIS DRAWING WAS PRODUCED IN COLOUR - A MONOCHROME COPY SHOULD NOT BE RELIED UPON.

KEY

- SURVEYED EXISTING TREE, GROUP OR HEDGE TO BE RETAINED
- SURVEYED EXISTING TREE, GROUP OR HEDGE TO BE REMOVED
- UNSURVEYED EXISTING TREE FEATURE TO BE RETAINED (AS BASED UPON TOPOGRAPHICAL SURVEY AND AERIAL IMAGERY)
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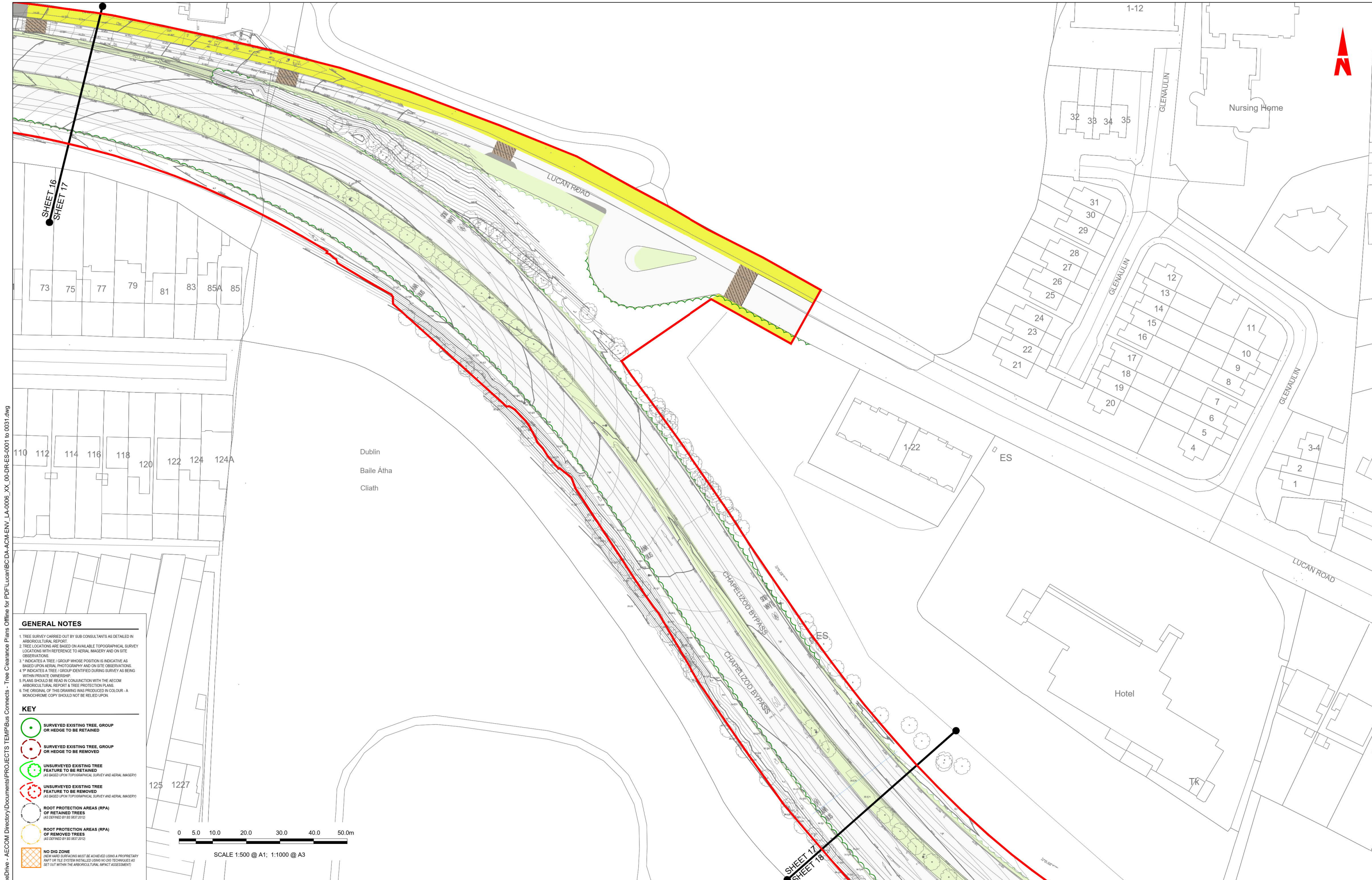
Project Ireland 2040
Building Ireland's Future

Rev	Date	Drn	Chk'd	App'd	Description
L01	02/03/22	CC	AD	CA	UPDATED WITH NEW DESIGN

<p>NTA Údarás Náisiúnta Iompair National Transport Authority</p>		<p>AECOM</p>		<p>MOTT MACDONALD</p>	
Date	Scale	Drawn	Checked	Approved	
02/03/22	1:500 @ A1 1:1000 @ A3	C.COULPLAND	A.T.DALE	C.ACTON	
Project Code	Originator Code	OMS Code			
BCIDA	ACM				

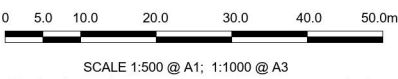
BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title LUCAN TO CITY CENTRE TREE PROTECTION PLAN			
Drawing File Name	Sheet Number	Status	Rev
BCIDA-ACM-ENV_ZZ-0006_XX_00-DR-LL-0016	16 of 31	S4	L01

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Rev	Date	Drn	Chk'd	App'd	Description
L01	02/03/22	CC	AD	CA	UPDATED WITH NEW DESIGN

Client: **NTA**
Údarás Náisiúnta Iompair
National Transport Authority

Engineering Designer: **AECOM**
MOTT MACDONALD

Date: 02/03/22
Project Code: BCIDA

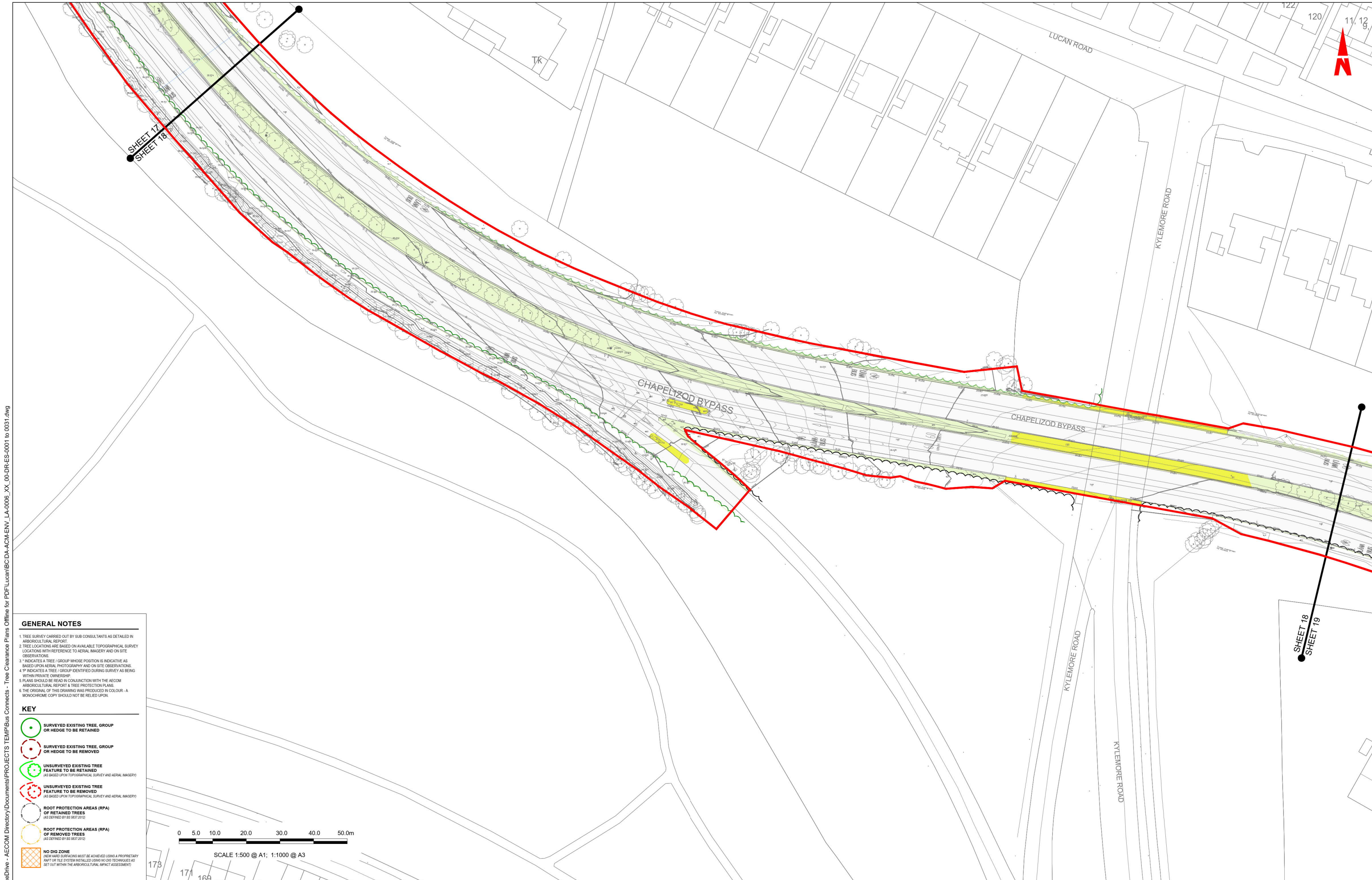
Scale: 1:500 @ A1, 1:1000 @ A3
Originator Code: ACM

Drawn: C.COULPLAND
Checked: A.T.DALE
Approved: C.ACTON

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title LUCAN TO CITY CENTRE TREE PROTECTION PLAN			
Drawing File Name BCIDA-ACM-ENV_ZZ-0006_XX_00-DR-LL-0017	Sheet Number 17 of 31	Status S4	Rev L01

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Rev	Date	Drn	Chk'd	App'd	Description
L01	02/03/22	CC	AD	CA	UPDATED WITH NEW DESIGN

Client

Engineering Designer

Date 02/03/22
Scale 1:500 @ A1, 1:1000 @ A3
Project Code BCIDA
Originator Code ACM

Drawn C.COULPLAND
Checked A.T.DALE
Approved C.ACTON

OMS Code

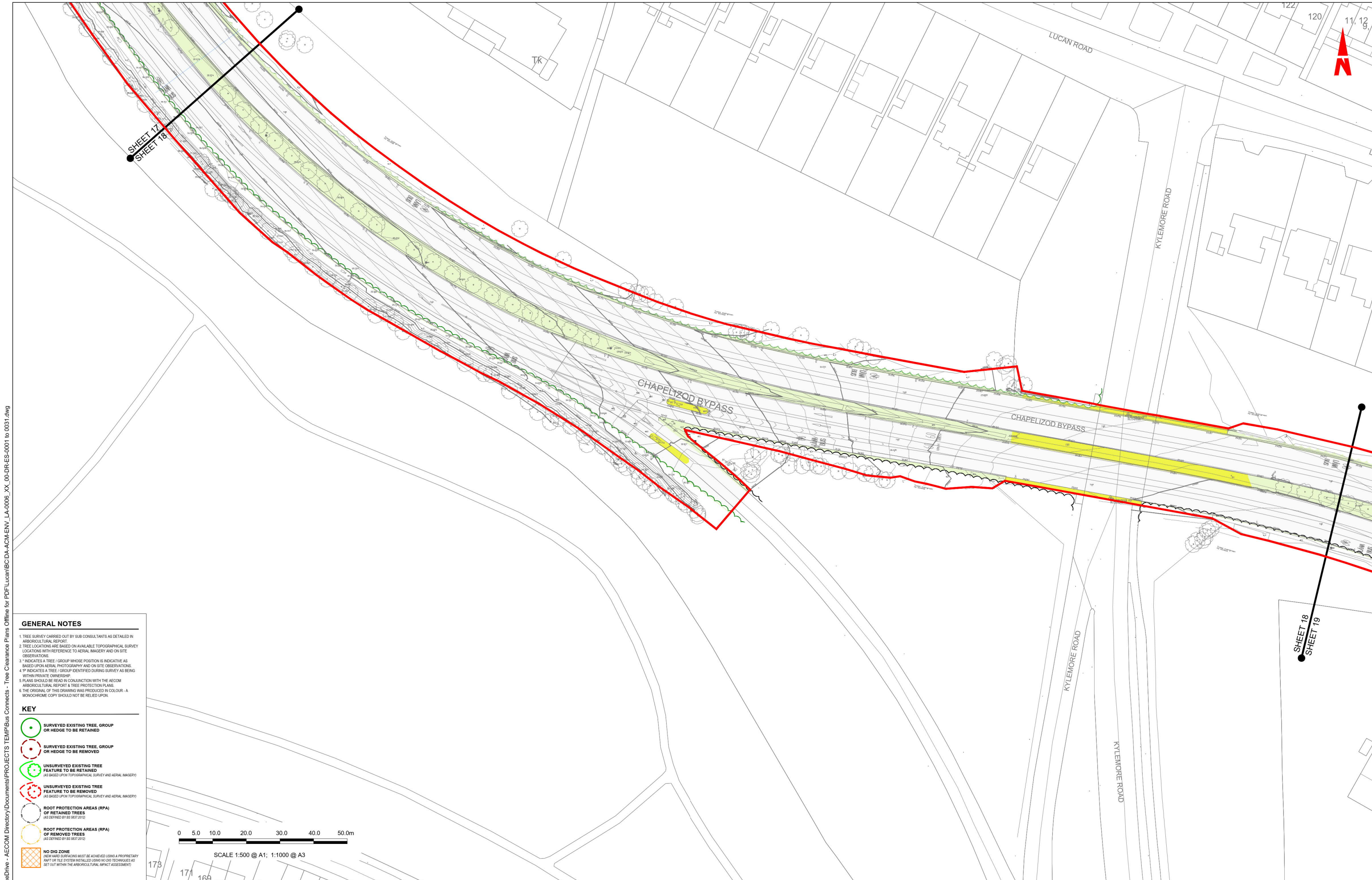
Programme Title
BUSCONNECTS DUBLIN
CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Drawing Title
LUCAN TO CITY CENTRE
TREE PROTECTION PLAN

Drawing File Name BCIDA-ACM-ENV_ZZ-0006_XX_00-DR-LL-0018
Sheet Number 18 of 31
Status S4
Rev L01

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Rev	Date	Drn	Chk'd	App'd	Description
L01	02/03/22	CC	AD	CA	UPDATED WITH NEW DESIGN

Client		Engineering Designer		Programme Title	
				BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS	
Date 02/03/22		Scale 1:500 @ A1 1:1000 @ A3		Drawing Title LUCAN TO CITY CENTRE TREE PROTECTION PLAN	
Project Code BCIDA		Originator Code ACM		Drawing File Name BCIDA-ACM-ENV_ZZ-0006_XX_00-DR-LL-0019	
		OMS Code		Sheet Number 19 of 31	
		Drawn C.COULPLAND		Status S4	
		Checked A.T.DALE		Rev L01	
		Approved C.ACTON			

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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
L01	02/03/22	CC	AD	CA	UPDATED WITH NEW DESIGN

Client NTA Údarás Náisiúnta Iompair National Transport Authority		Engineering Designer AECOM MOTT MACDONALD	
Date 02/03/22	Scale 1:500 @ A1 1:1000 @ A3	Drawn C.COULPLAND	Checked A.T.DALE
Project Code BCIDA	Originator Code ACM	Approved C.ACTON	

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title LUCAN TO CITY CENTRE TREE PROTECTION PLAN			
Drawing File Name BCIDA-ACM-ENV_ZZ-0006_XX_00-DR-LL-0020	Sheet Number 20 of 31	Status S4	Rev L01

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0 5.0 10.0 20.0 30.0 40.0 50.0m

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

SHEET 20
SHEET 21



SHEET 21
SHEET 22

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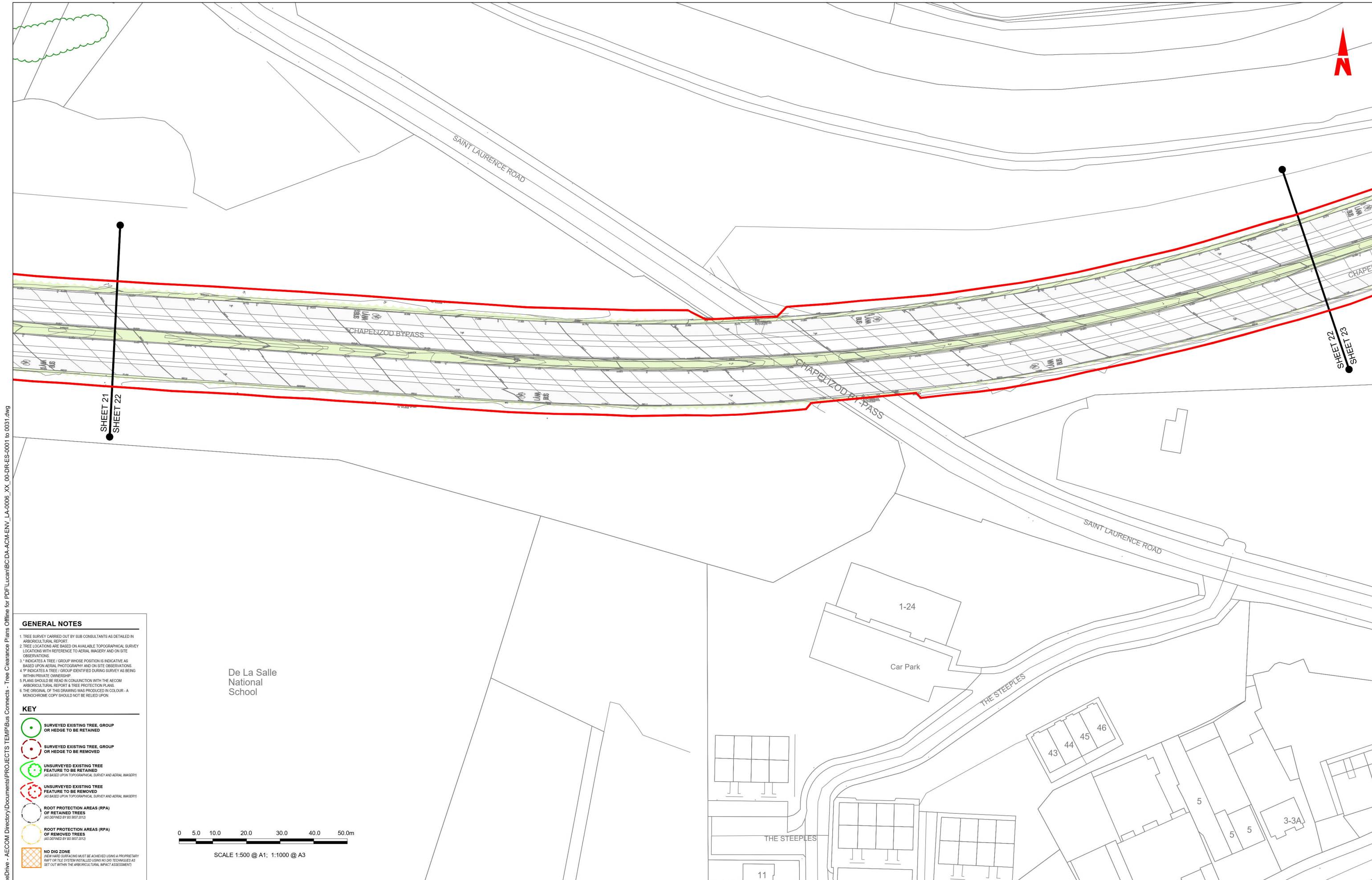


Rev	Date	Drn	Chk'd	App'd	Description
L01	02/03/22	CC	AD	CA	UPDATED WITH NEW DESIGN

		Engineering Designer 		
Date	Scale	Drawn	Checked	Approved
02/03/22	1:500 @ A1 1:1000 @ A3	C.COULPLAND	A.T.DALE	C.ACTON
Project Code	Originator Code	OMS Code		
BCIDA	ACM			

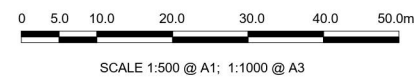
Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title LUCAN TO CITY CENTRE TREE PROTECTION PLAN			
Drawing File Name	Sheet Number	Status	Rev
BCIDA-ACM-ENV_ZZ-0006_XX_00-DR-LL-0021	21 of 31	S4	L01

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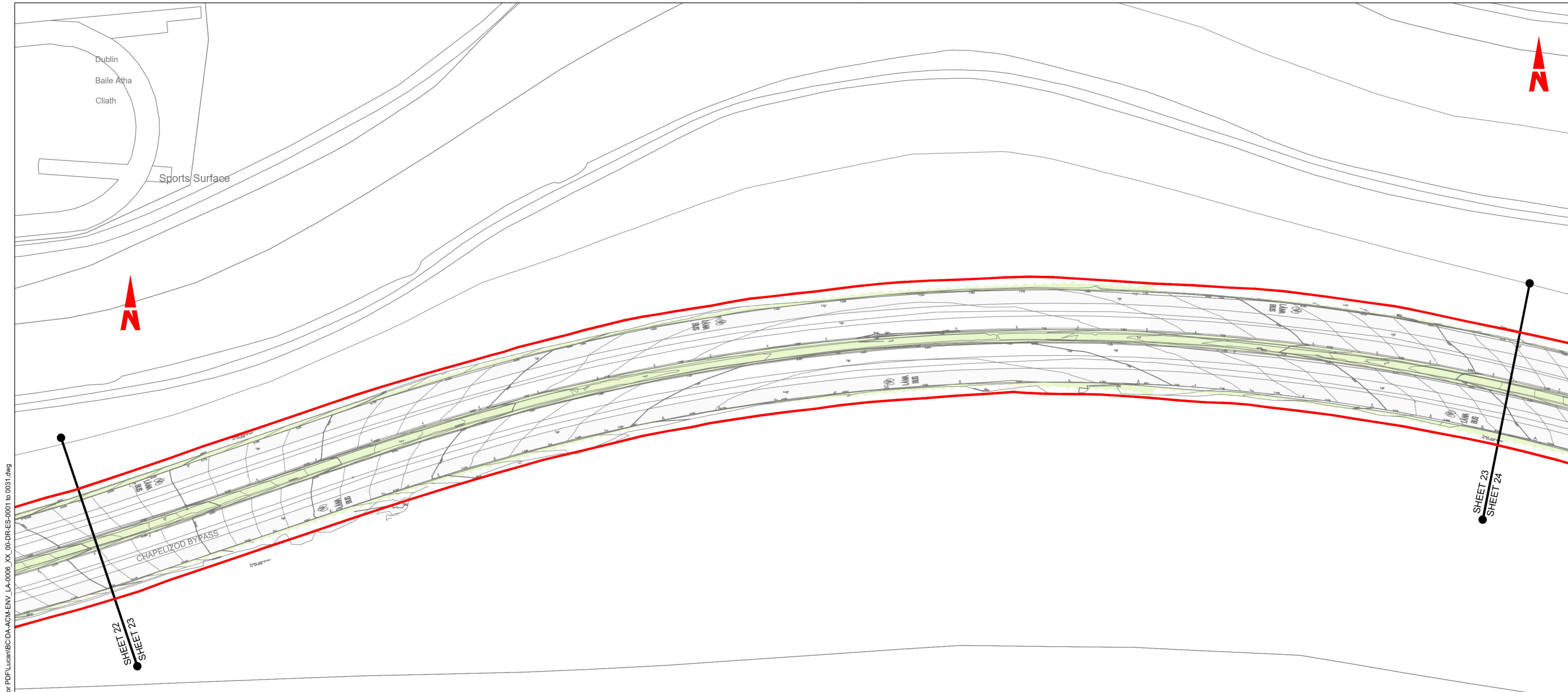
Rev	Date	Drn	Chk'd	App'd	Description
L01	02/03/22	CC	AD	CA	UPDATED WITH NEW DESIGN

 Údarás Náisiúnta Iompair National Transport Authority		Engineering Designer 		
Date	Scale	Drawn	Checked	Approved
02/03/22	1:500 @ A1 1:1000 @ A3	C.COULPLAND	A.T.DALE	C.ACTON
Project Code	Originator Code	QMS Code		
BCIDA	ACM			

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title LUCAN TO CITY CENTRE TREE PROTECTION PLAN			
Drawing File Name	Sheet Number	Status	Rev
BCIDA-ACM-ENV_ZZ-0006_XX_00-DR-LL-0022	22 of 31	S4	L01

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GENERAL NOTES

1. TREE SURVEY CARRIED OUT BY SUB CONSULTANTS AS DETAILED IN ARBORICULTURAL REPORT.
2. TREE LOCATIONS ARE BASED ON AVAILABLE TOPOGRAPHICAL SURVEY LOCATIONS WITH REFERENCE TO AERIAL MAPPING AND ON SITE OBSERVATIONS.
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- SURVEYED EXISTING TREE, GROUP OR HEDGE TO BE REMOVED
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- UNSURVEYED EXISTING TREE FEATURE TO BE REMOVED (AS BASED UPON TOPOGRAPHICAL SURVEY AND AERIAL MAPPING)
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SCALE 1:500 @ A1; 1:1000 @ A3

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Rev	Date	Drn	Chk'd	App'd	Description
L01	02/03/22	CC	AD	CA	UPDATED WITH NEW DESIGN

Údarás Náisiúnta Iompair
 National Transport Authority

MOTT
 MACDONALD

Date	Scale	Drawn	Checked	Approved
02/03/22	1:500 @ A1 1:1000 @ A3	C.COULPLAND	A.T.DALE	C.ACTON
Project Code	Originator Code	OMS Code		
BCIDA	ACM			

Programme Title			
BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title			
LUCAN TO CITY CENTRE TREE PROTECTION PLAN			
Drawing File Name	Sheet Number	Status	Rev
BCIDA-ACM-ENV_ZZ-0006_XX_00-DR-LL-0023	23 of 31	S4	L01

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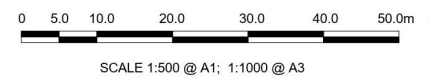


GENERAL NOTES

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Rev	Date	Drn	Chk'd	App'd	Description
L01	02/03/22	CC	AD	CA	UPDATED WITH NEW DESIGN

Client

Date: 02/03/22
Project Code: BCIDA

Engineering Designer

Drawn: C.COULPLAND
Checked: A.T.DALE
Approved: C.ACTON

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

Drawing Title: **LUCAN TO CITY CENTRE TREE PROTECTION PLAN**

Drawing File Name: BCIDA-ACM-ENV_ZZ-0006_XX_00-DR-LL-0024

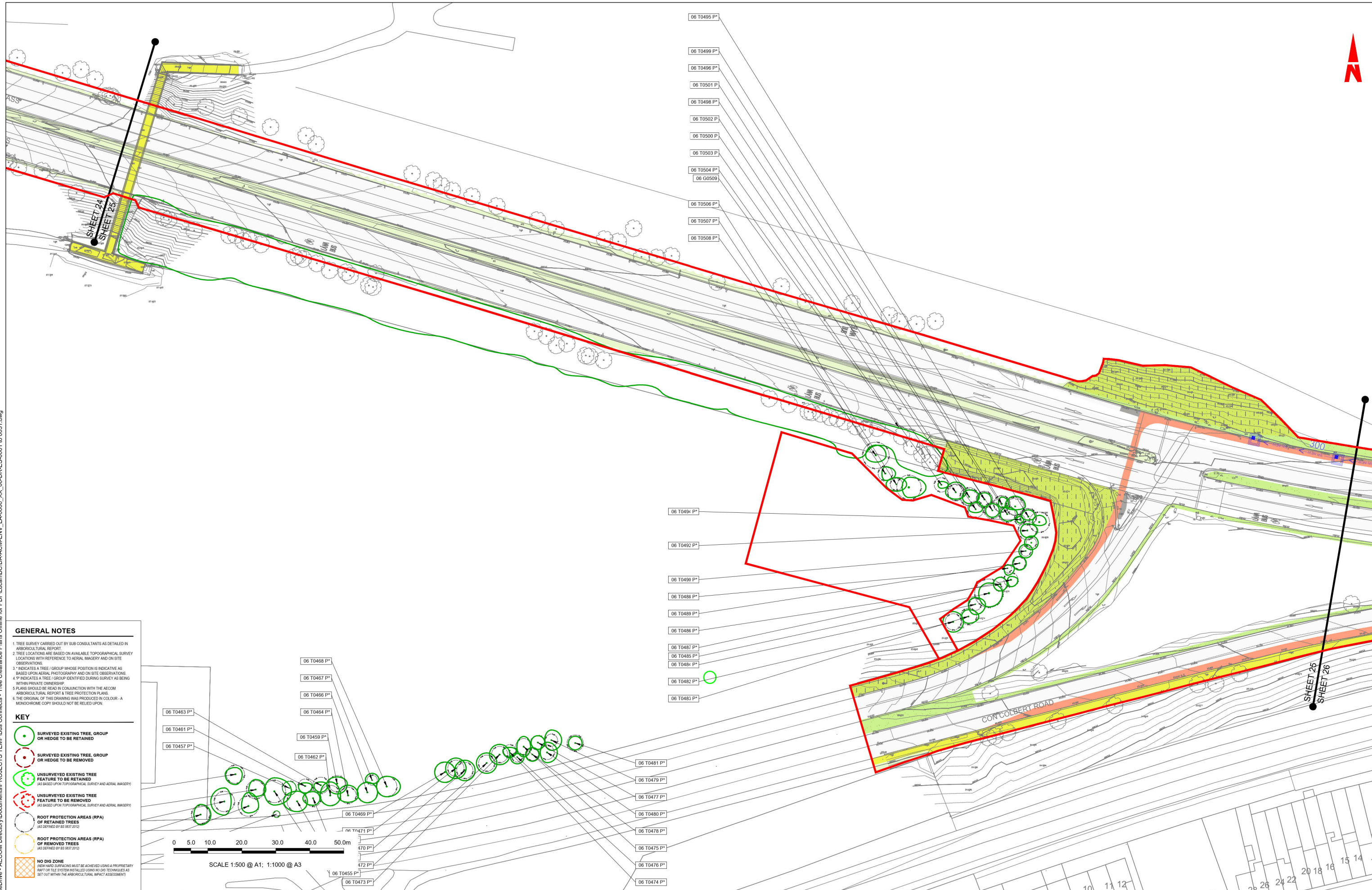
Sheet Number: 24 of 31

Status: S4

Rev: L01

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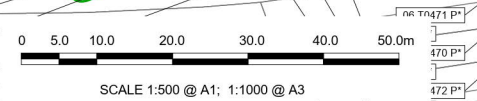


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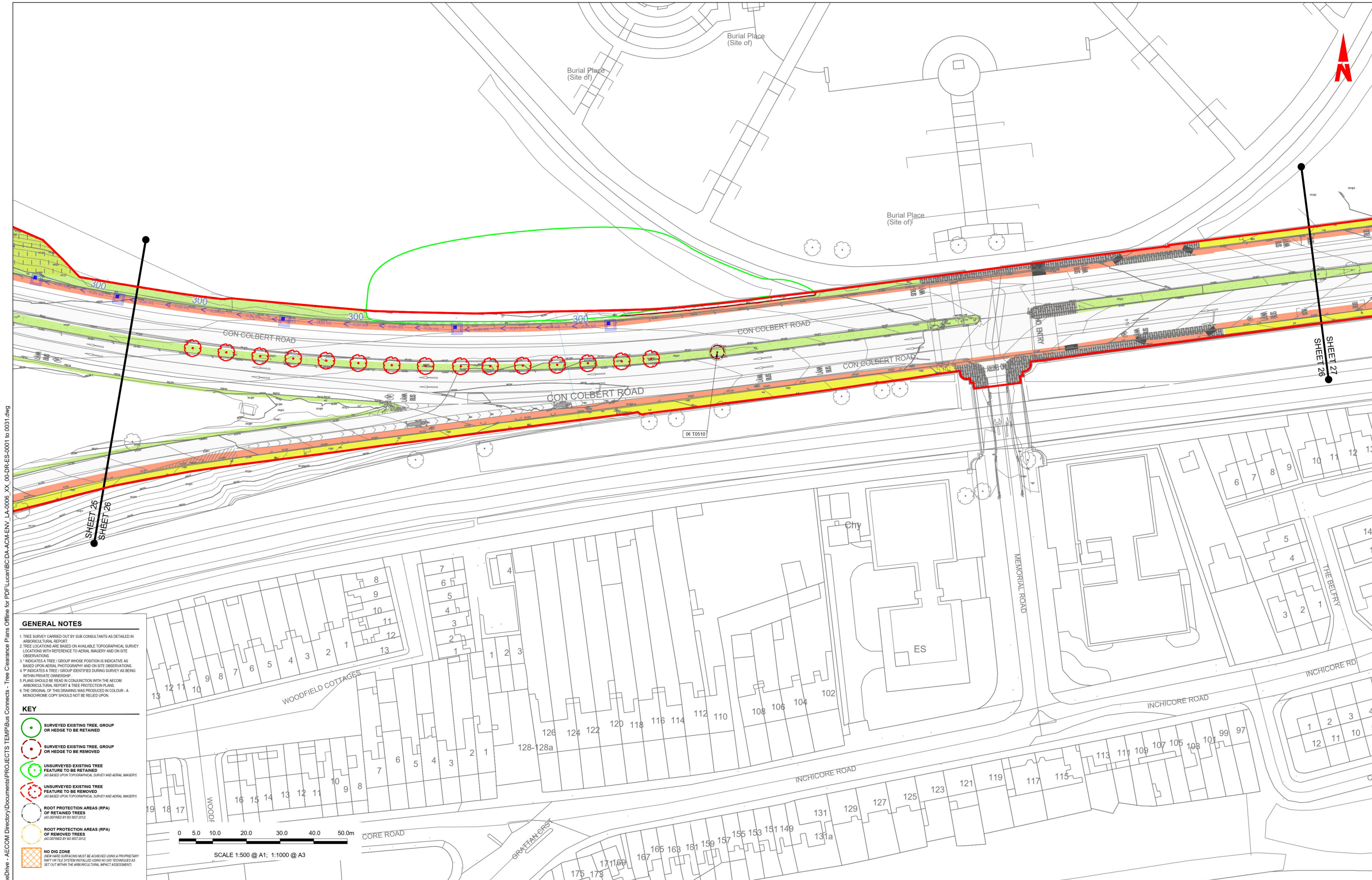
Rev	Date	Drn	Chkd	App'd	Description
L01	02/03/22	CC	AD	CA	UPDATED WITH NEW DESIGN

Client NTA Údarás Náisiúnta Iompair National Transport Authority		Engineering Designer AECOM M MOTT MACDONALD		
Date 02/03/22	Scale 1:500 @ A1 1:1000 @ A3	Drawn C.COULPLAND	Checked A.T.DALE	Approved C.ACTON
Project Code BCIDA	Originator Code ACM	QMS Code		

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title LUCAN TO CITY CENTRE TREE PROTECTION PLAN			
Drawing File Name BCIDA-ACM-ENV_ZZ-0006_XX_00-DR-LL-0025	Sheet Number 25 of 31	Status S4	Rev L01

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

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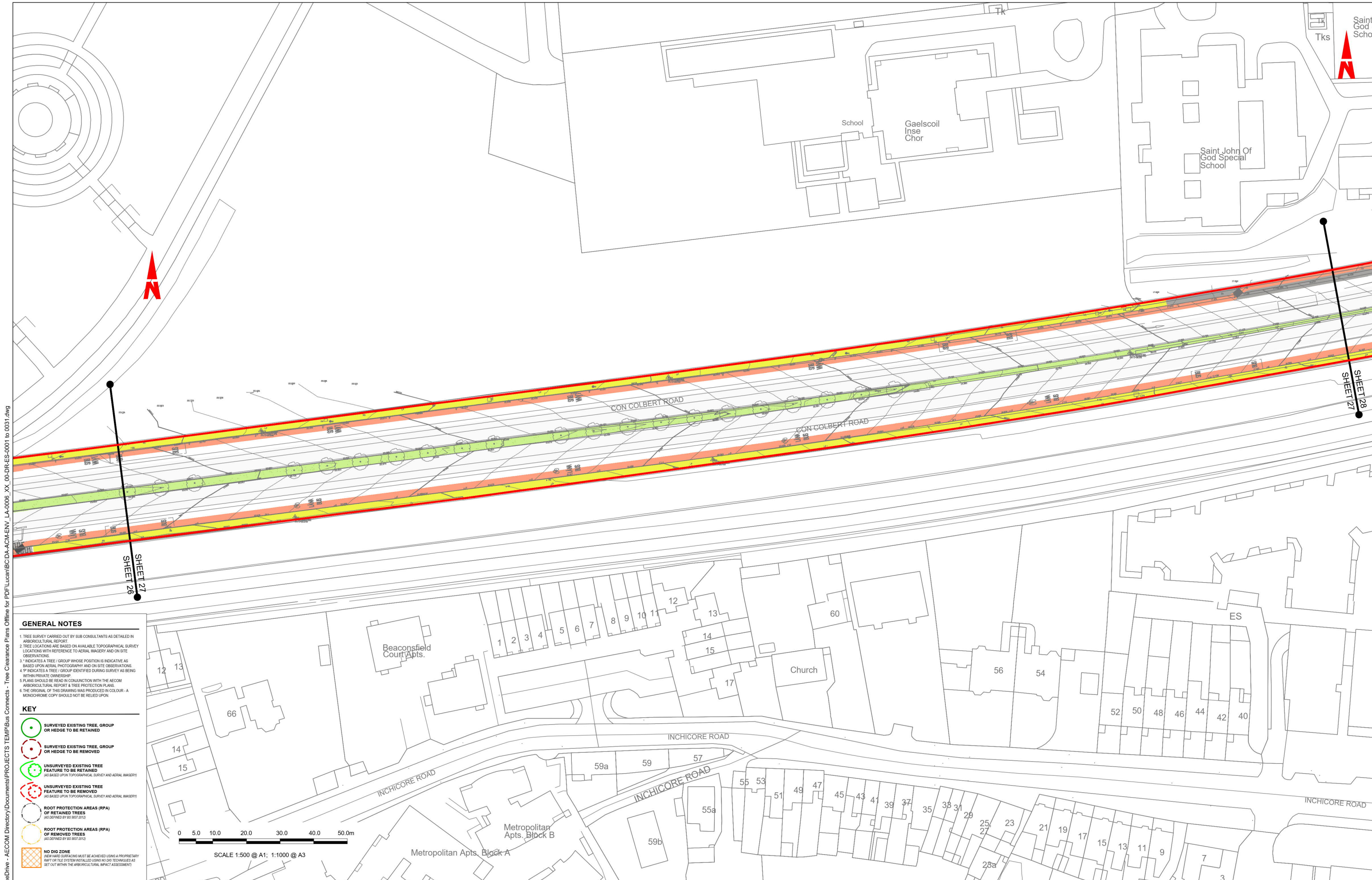
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Rev	Date	Drn	Chk'd	App'd	Description
L01	02/03/22	CC	AD	CA	UPDATED WITH NEW DESIGN

 Údarás Náisiúnta Iompair National Transport Authority		 		
Date	Scale	Drawn	Checked	Approved
02/03/22	1:500 @ A1 1:1000 @ A3	C.COUPLAND	A.T.DALE	C.ACTON
Project Code	Originator Code	OMS Code		
BCIDA	ACM			

Programme Title			
BUSCONNECTS DUBLIN			
CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title			
LUCAN TO CITY CENTRE			
TREE PROTECTION PLAN			
Drawing File Name	Sheet Number	Status	Rev
BCIDA-ACM-ENV_ZZ-0006_XX_00-DR-LL-0026	26 of 31	S4	L01

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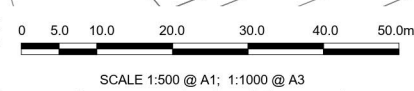


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Rev	Date	Drn	Chk'd	App'd	Description
L01	02/03/22	CC	AD	CA	UPDATED WITH NEW DESIGN

Client
NTA
Údarás Náisiúnta Iompair
National Transport Authority

Engineering Designer
AECOM
MOTT MACDONALD

Date: 02/03/22
Scale: 1:500 @ A1, 1:1000 @ A3
Project Code: BCIDA
Originator Code: ACM

Drawn: C.COULPLAND
Checked: A.T.DALE
Approved: C.ACTON

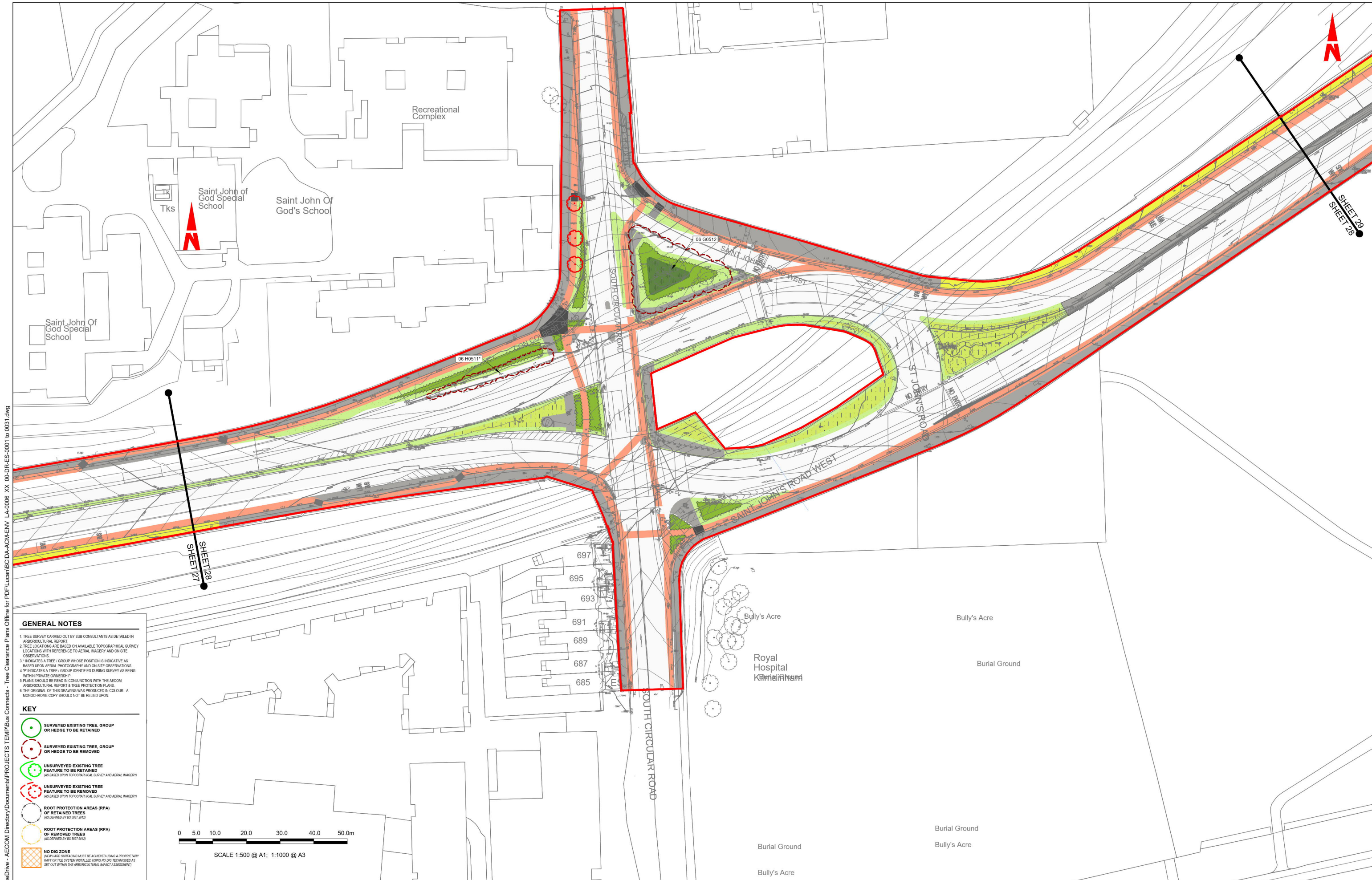
Programme Title
BUSCONNECTS DUBLIN
CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Drawing Title
LUCAN TO CITY CENTRE
TREE PROTECTION PLAN

Drawing File Name: BCIDA-ACM-ENV_ZZ-0006_XX_00-DR-LL-0027
Sheet Number: 27 of 31
Status: S4
Rev: L01

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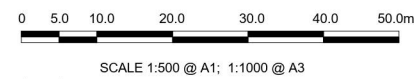
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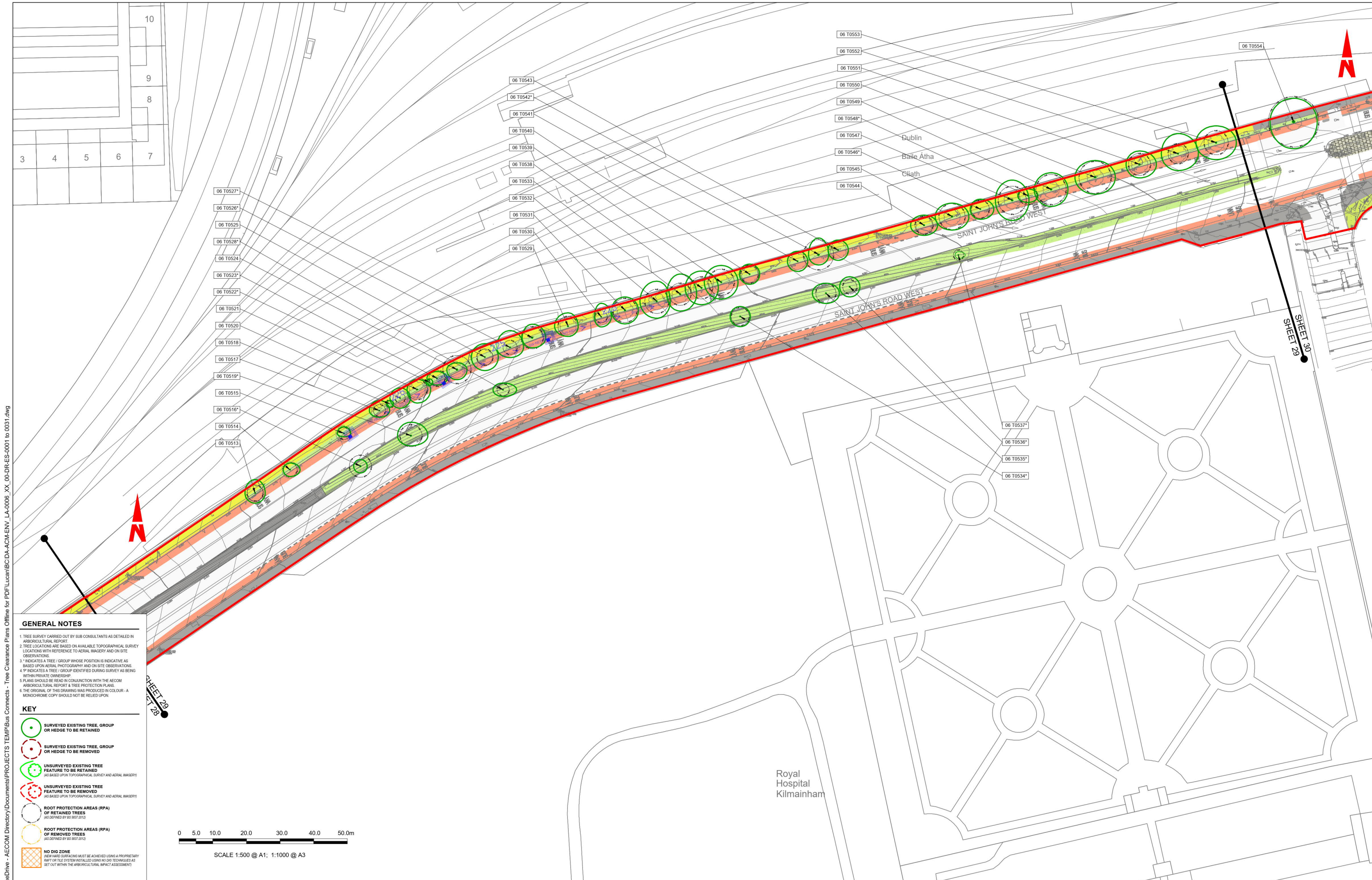
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02/03/22	1:500 @ A1 1:1000 @ A3	C.COULPLAND	A.T.DALE	C.ACTON
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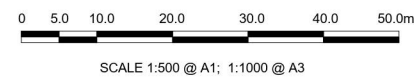


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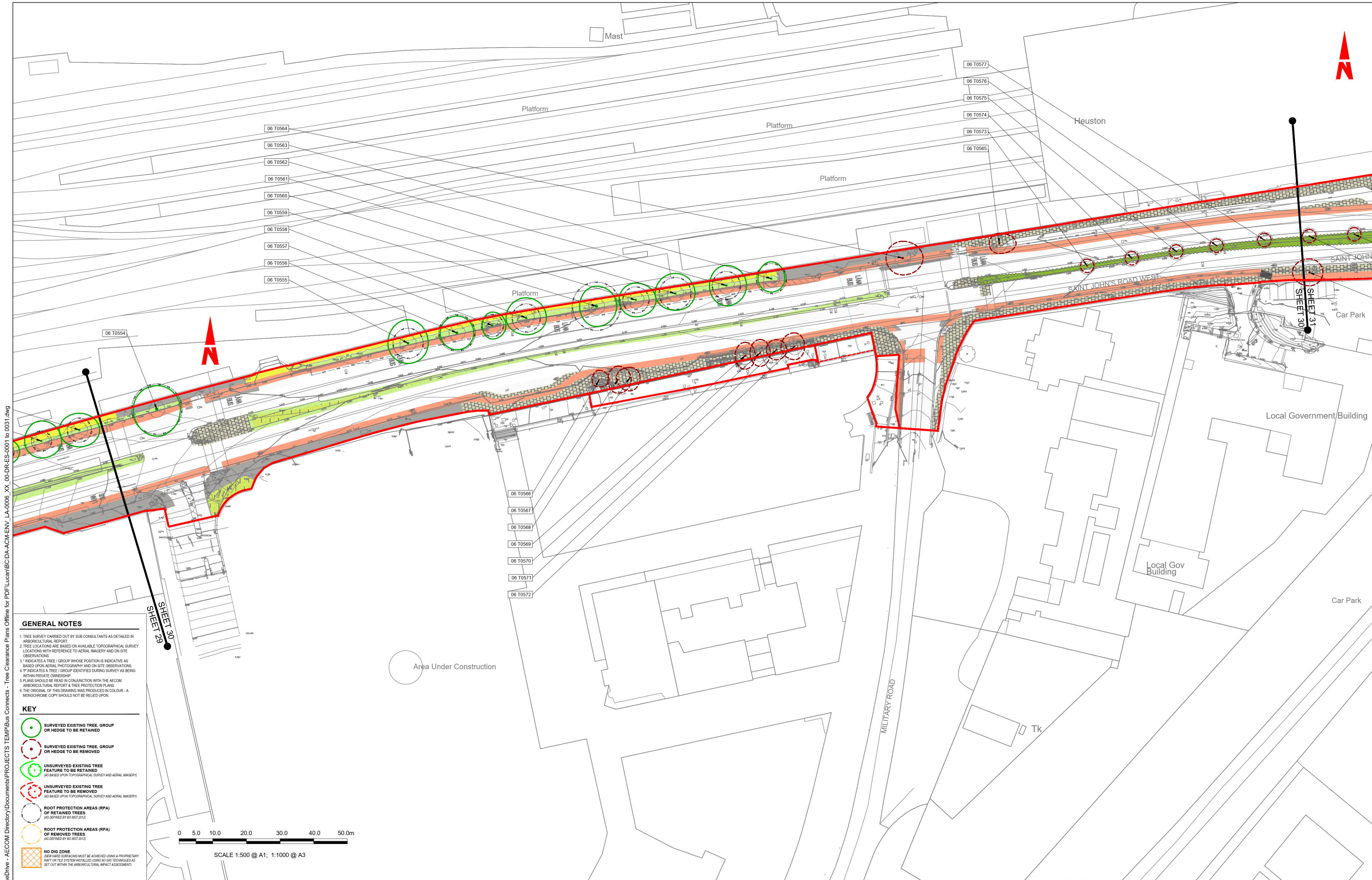
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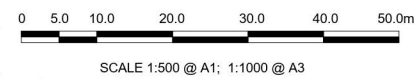


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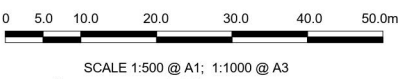


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Date 02/03/22	Scale 1:500 @ A1 1:1000 @ A3	Drawn C.COULPLAND	Checked A.T.DALE	Approved C.ACTON
Project Code BCIDA	Originator Code ACM	QMS Code		

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Drawing File Name BCIDA-ACM-ENV_ZZ-0006_XX_00-DR-LL-0031	Sheet Number 31 of 31	Status S4	Rev L01

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Appendix C Arboricultural Method Statement

C.1 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 Tree Protection Plan and copies of both documents must be permanently available on Site for reference throughout the development. All Site personnel must be made fully aware of its contents and the implications for work they may be involved in. All elements of the agreed Method Statement must be adhered to in full, failure to do so could result in a failure to discharge planning conditions, damage to significant trees and enforcement action by the Planning Authority (PA). No changes may take place to the content or application of the Method Statement without the prior written approval of the PA.

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 PA. The Method Statement must be reviewed in advance of the commencement.

C.2 Pre commencement site meeting

Prior to the commencement of works on Site a meeting must take place including the Site Manager, Project Arboriculturist and Planning Authority Officer. 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.

C.3 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;

C.4 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. Any additional approval must be secured in advance from the Planning Authority (PA).

If further additional tree works are deemed to be required during the development the advice of an arboriculturist is to be obtained.

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.

C.5 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.

C.6 Site monitoring

An auditable system of Site monitoring shall be established to guide contractors on Site, ensure that tree protection measures are implemented and adhered to and to demonstrate to the PA that any planning conditions have been met satisfactorily.

This includes Site visits by the Project Arboriculturist (as appointed by the developer) 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 discussed with the Planning Authority Officer and 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.

C.7 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 personnel 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.

C.8 Protective fencing

In many areas of the Site the works are contained within the existing road 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 feasible due to the presence of roots or underground utilities block trays, counterweights or equivalent can be utilised.

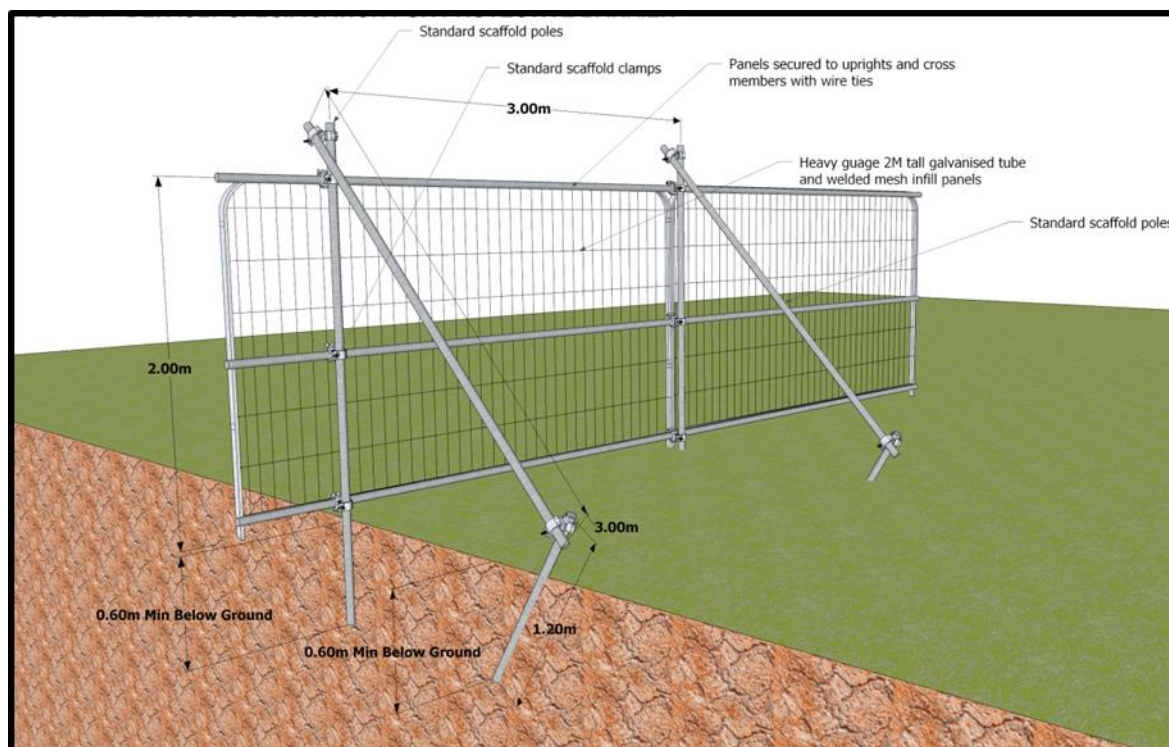


Figure 3 Default specification for tree protection barrier in accordance with BS5837:2012 figure 2.

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 construction exclusion zone and its purpose.

Failure to fully respect the positioning of barriers and tree protection measures may result in the PA imposing a temporary stop notice or other enforcement action and is likely to require the use of a more onerous barrier specification and potentially expensive remedial works.

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 within 5m) 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.

C.9 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 would 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.

C.10 Carriageway widening into footways or verges

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 possible and pinned alternatives will be applied where feasible. Backfill is to utilise the excavated parent material to replicate the original soil profile.

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

C.11 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 the subbase of the existing footway is retained intact and undisturbed.

C.12 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, however 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 possible 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, an appointed 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 subbase.

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 surfacing only at all times. 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 subbase is to be broken up using hand tools only via pedestrian only access. Materials must be removed using wheelbarrows, or, via hand loading of long reach machinery positioned on adjacent hard surfacing or ground protection. The subbase 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 development works or be otherwise protected with ground protection.

Installing replacement pedestrian or light vehicular hard surfacing on an existing subbase.

The subbase 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 subbase 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 C19 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 C9 to ensure that the structure of the soil and tree roots are protected.

Pedestrian only access onto the exposed and retained subbase will be acceptable to allow the installation of replacement hard surfacing. The new surface should be laid as quickly as possible.

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 them. This layer must not be significantly compacted and hand-tamped only.

Installing replacement heavy vehicular hard surfacing on an existing subbase:

The subbase 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 subbase of the existing surface. Where encountered any roots must be treated in accordance with the guidelines in Section C19 of this Method Statement. The new surface must be rolled out working from the existing subbase 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 possible 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 possible. Where significant roots are present which cannot be pruned, reinforced sections of kerb acting as lintels to bridge important roots will be applied where possible.

C.13 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 (as shown on the Tree Protection Plan).

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 C19.

Where a road edge kerb must be installed by excavation, this must be of the thinnest possible profile, 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 possible, 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.

C.14 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 possible 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.

C.15 Construction of New Boundary Walls

New boundary walls are to be constructed within the RPA of retained trees (such as at the far west of the scheme adjacent to T0013-T0020). 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.

C.16 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 are 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 possible.

The piling rig is to be positioned as far from the canopy and RPA of the tree as possible 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 will be located above the existing ground level where possible 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.

C.17 Installation of Golf Netting Footings within RPAs

New footing pads are required within the outer RPA of Trees T215, T221, T223, T224, T227, T256 and T264. The outer edge of the footprint of the pad is to be excavated using hand tools to a depth of 1m under the supervision of an arboriculturist. Roots will be carefully cut back using a clean sharp tool to the edge of the footprint. The excavation will then be lined with an impermeable robust liner (e.g. polythene or equivalent) prior to any application of uncured concrete to prevent leaching into the surrounding soil.

When root pruning has been completed tree protection fencing will be adjusted to ensure the retained RPA is fully protected and the remainder of the excavation for the footprint of the pad can be carried out using an excavator.

C.18 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 co-ordinated 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 exclusion fencing or a careful working methodology, consideration must be given to any requirement for access facilitation pruning which must be agreed in advance with the Project Arboriculturist and Planning Authority Officer and tree owner (where appropriate).

C.19 Site organisation, storage and mixing of materials

The final locations for temporary Site organisation and compounds will be agreed at the pre commencement Site meeting with the Project Arboriculturist and will be confirmed in writing. Site compounds are proposed at the three locations shown on the Tree Protection Plan. 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.

C.20 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 possible 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 (following consultation with the PA where appropriate).
- Roots must only be exposed for the minimum period possible. 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.

C.21 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 possible 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 C23.

C.22 Installation of new drainage within RPAs

Drainage has been designed to avoid the RPA of retained trees as fully as possible. Solutions such as surface channels, off set chambers positioned to avoid RPAs as fully as possible 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 C20.

C.23 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 cannot 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 possible.

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, re lining 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 is not feasible, shallow utility runs can be installed under the supervision of the Project Arboriculturist. The excavation will be located as far from the stem of the tree as possible and must be carried out by hand, ideally using compressed air such as an Air Spade and soil vacuum.

Pedestrian only access will be permitted and ground protection measures as set out in Section C9 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 possible. If significant roots are encountered which cannot be feasibly worked around and retained, the Project Arboriculturist will liaise with the PA to agree appropriate action.

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

All spoil/arising 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).

C.24 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 pipe work will be sealed off and will not be removed via excavation within the RPA of a retained tree. Redundant pipe work 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 of the RPA of all retained trees. Concrete must be managed in accordance with section C19 of this Method Statement.

C.25 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.

C.26 Contact details

(To be confirmed).

Site Manager: To be confirmed

Project Arboriculturist: To be confirmed

Planning Authority Officer: To be confirmed

Appendix D Site Monitoring Form

Appointed Project Arboricultural Consultant: Company: Consultant's name: Tel: Mob:	
Development site address:	Planning Authority (PA):
Developer's details: Company: Developer's name: Tel:	

Stage of Development (x)

Pre-construction works

- Tree works
- Protective fencing/tape
- Fencing signage
- Ground protection
- Temporary haul road

Construction works

- Demolition
- Grading/muck away
- Placing portacabin
- Excavation/services
- Construction work

Post-construction works

- Rectifying tree damage/pruning
- Hard landscaping/walls/drives
- Removal of protective fencing etc
- Soft landscaping
- Special surfacing Tree planting

Comments:

