



**OXFORD FLOOD ALLEVIATION
ARBORICULTURAL IMPACT ASSESSMENT**

IMSE500177-CH2-ZZ-ZZ-TN-UT-0737 | P03

February 02, 2023

ENVIRONMENT AGENCY

IMSE500177



OXFORD FLOOD ALLEVIATION

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Document history and status

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P01	19/11/21	Amend file format and update tree removal information for client review	RM	PJM		
P02	19/01/22	Updated to incorporate client comments	RM	DK	PJM	PJM
P03	02/02/23	Updated to address Regulation 25 queries	RM	BL	PJM	PJM

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1. INTRODUCTION

1.1 PROJECT BACKGROUND

CH2M (now Jacobs) commissioned Middlemarch Environmental Ltd to compile an Arboricultural Impact Assessment in respect of the proposed development of land at, and adjacent to, the River Thames and its tributaries near Oxford City in Oxfordshire in 2017. This impact assessment updates this previous assessment to consider changes in the scheme since this date.

Middlemarch Environmental Ltd previously carried out Pre-Development Arboricultural Surveys for CH2M / Jacobs at the site and at the second site in Chilwell Copse in 2017.

An additional arboricultural site visit was undertaken in October 2018 to survey trees located on or adjacent to further parcels of land associated with the Flood Alleviation Scheme. Further surveys were undertaken by Jacobs in 2021 to supplement the previous surveys where changes to the scheme had been made and potential impacts changed. The findings of these additional surveys have been collated and incorporated into the final result of the overall assessment. The surveys are summarised in the Tree Survey Report reference IMSE500177-CH2-XX-00-RP-EN-0716 dated May 2022.

This report details the impact that the proposed development will have upon the site's existing tree stock and sets out recommendations for the subsequent mitigation or avoidance of impact. The study has been completed in accordance with the guidance contained within British Standard BS5837:2012 'Trees in relation to design, demolition and construction – Recommendations.'

1.2 SITE DESCRIPTION

The site under consideration comprises several irregularly shaped parcels of land, approximately 82 ha in size cumulatively, located in Oxfordshire between Ordnance Survey Grid References SP 49 05, SP 50 03, SP 50 04, SP 50 05, SP 51 04, and SP 51 05.

The study area is predominantly located to the south of Oxford city in agricultural fields and floodplains. The wider landscape is dominated by a mix of residential and light industrial development, agricultural fields, allotment gardens, and areas of woodland.

The boundaries of the study area are predominantly delineated by grouped trees and hedgerows, with some parcels bound by residential development and roads. The River Thames and several smaller watercourses run through a number of parcels within the study area, often forming at least one boundary.

At the time of the Arboricultural Surveys, the site comprised several distinct parcels of land, typically dominated by semi-improved grassland or arable farmland, with areas of scrub vegetation, woodland, and several watercourses also present.

The location of the trees surveyed can be found on the drawings contained within Section 6 of this report.

1.3 DEVELOPMENT PROPOSALS

The proposed development of the site is the implementation of a new flood alleviation scheme. The proposed Scheme and associated works will comprise the construction of a new first and second stage channel (between the A34 to the west and the railway to the east, to the west of Oxford city centre), new flood defences (embankments and walls), new bridges and flood gates. The scheme will also involve the creation of new and/or improved habitats for flora, fauna, and fisheries.

The proposed development has been designed to ensure trees are retained wherever possible and that those trees to be retained are protected throughout the development.

1.4 DOCUMENTATION CONSIDERED

This assessment is based upon the planning and layout drawings for the proposed scheme and temporary working areas current at the time of this report including the minor change to the red line boundary described in the Regulation 25 submission in February 2023. Copies of these drawings are in the Appendices of the scheme Environmental Statement Addendum.

2. STATUTORY PROTECTION

2.1 TREE PRESERVATION ORDER AND CONSERVATION AREA DESIGNATIONS

An internet search using the online mapping provided by Oxford City Council (<http://maps.oxford.gov.uk/LocalViewPub/Sites/LocalView/>) confirms that there are no trees within or closely surrounding the study area subject to Tree Preservation Orders.

A further search of online records provided by Oxford City Council (https://www.oxford.gov.uk/info/20195/conservation_areas/871/conservation_areas) also confirmed that the study area is not situated within any Conservation Area.

Searches have also indicated there are no areas of ancient woodland which will be affected by the proposed works.

2.2 PROTECTED SPECIES

A detailed assessment of the impacts of the proposed scheme and associated tree removal works can be found in Section 8.3 of the Environmental Statement. Specific points related to the impacts of tree removal are covered in the sections below.

Bats

Mature trees often contain cavities, hollows, peeling bark, or woodpecker holes which provide potential roosting locations for bats. Bats and the places they use for shelter or protection (i.e. roosts) receive European protection under The Conservation of Habitats and Species Regulations 2010 (Habitats Regulations 2017, as amended). They receive further legal protection under the Wildlife and Countryside Act (WCA) 1981, as amended. Consequently, disturbing bats or causing damage to or destroying a bat roost, either deliberately or recklessly, constitutes an offence.

Generally, should the presence of a bat roost be suspected whilst completing works on any trees on site then an appropriately licensed bat worker should be consulted for advice. Bat surveys have been carried out over the area of the scheme and the reports of these surveys are provided in the scheme Environmental Statement along with a mitigation plan to be implemented during the works.

It should be noted that a number of trees recorded during the Pre-development Arboricultural Survey (and subsequently identified for removal to facilitate the approved development were classified with an interim ('Int.')

 grading. This was based on the presence of ivy covering and preventing detailed inspections of the tree stems. While ivy does not pose any significant threat to the health of trees and provides other environmental benefits such as habitat for bats, it can also conceal potential defects beneath. Where ivy is present on main stems, and trees are confirmed as not being active bat roosts, it should be severed at a height of 1.5 m above ground level. Once the ivy has died off, the trees should be re-measured and inspected for potentially hidden defects. Given the timescale to the construction start in late 2024 / early 2025 it is proposed this activity will be carried out closer to the start date.

Birds

Trees and hedgerows offer potential habitats for nesting birds which are protected under the Wildlife and Countryside Act WCA 1981 (as amended). Some species (listed in Schedule 1 of the WCA) are protected by special penalties. This legislation makes it an offence to intentionally or recklessly damage or destroy an active bird nest or part thereof.

As the trees on, and adjacent, to the site, provide potential habitat for nesting birds all tree work should be completed outside the nesting bird season (generally March to September). If this is not possible then the vegetation should be subject to a nesting bird inspection by a suitably experienced ecologist prior to

commencement of works. If any active nests are identified then the vegetation, and a defined buffer zone, will need to remain in place until the young have naturally fledged.

Otters do make use of tree root complexes and sometimes pollard cavities but no confirmed otter holts connected with trees have been identified in the scheme study area.

Other protected species such as water voles and reptiles may be present on the site but do not specifically use trees in the area. Mitigation plans are in place for dealing with these prior to any tree works taking place, see the Environmental Statement for the scheme.

3. ARBORICULTURAL IMPACT ASSESSMENT

3.1 INTRODUCTION

This section of the report details the potential impacts that the proposed development may have upon the site's tree stock. The assessment has been based upon the proposed scheme design drawings and planning drawings current at February 2023 and the various arboricultural surveys completed between 2017 and 2021.

The location of the trees can be found on the drawings in Section 6.

3.2 IMPACTS FROM DEVELOPMENT LAYOUT

3.2.1 Tree Removal

Whilst the scheme design has been produced to minimise impacts, the proposed development will require the removal of a number of trees recorded within the site.

The trees to be removed are detailed within Table 7.1 provided in Section 7 of this report and identified on the Tree Constraints and Removal Plans, Drawing Numbers IMSE500177-CH2-XX-00-DR-EN-0740 to IMSE500177-CH2-XX-00-DR-EN-0760, in Section 6 of this report.

As part of a Regulation 25 request we have further reviewed the tree impacts and identified two further individual trees which can be retained and one which has now been removed by others, we have also identified a group of trees which will need to be partially removed which was previously identified for complete removal. Overall, the proposed development will now require the removal of approximately 358 individual trees and 77 groups of trees. The minor change to the red line boundary at Eastwyke Lane included in the Regulation 25 submission has a small impact on a further group of trees resulting in the need for the partial removal of 61 groups of trees. In total, approximately 2,000 trees will be lost as a result of the scheme.

Nine individual trees to be removed and one group of trees requiring partial removal were assessed as being of a high, Category A, retention value. While these specimens are likely to offer a significant contribution to the landscape character of the site, they represent a minor proportion of the site's overall tree stock. As such, their loss should not be considered a significant constraint to the proposed development.

106 of the individual trees and eight groups of trees identified for complete removal were assessed as being of a moderate, Category B, retention value in the Arboricultural Survey. A further 28 tree groups identified for partial removal were also considered to be of moderate value. Given the nature of the site, it is expected that these impacts will be relatively localised and can be mitigated through replacement tree planting post-development.

The remaining trees, and groups, which will require complete or partial removal are all specimens that were considered to be of a low retention value in terms of their arboricultural value. They are not in a condition that they are likely to make a lasting contribution to the landscape character of the site. However, dying and decaying trees are valuable in terms of the habitat that they provide so removal of these trees and groups has also been minimised wherever possible.

3.2.2 Tree Pruning

In addition to the proposed tree removal, there are local areas on-site where it will be necessary to undertake access facilitation pruning works to retained trees present on the site to minimise the potential for branch damage to occur during construction. These works will not result in the loss of trees and will be implemented under the supervision of a qualified arboriculturist. Any works to third party trees should be agreed in advance with the third party. All tree works should be carried out by a suitably qualified and insured contractor preferably registered with the Arboricultural Association.

3.3 IMPACTS FROM DEMOLITION AND RELATED OPERATIONS

3.3.1 Building Demolition

The demolition and removal of Towles Mill Weir is required for flood risk management purposes and to facilitate fish passage. This will result in the partial loss of the G180 group of trees. Care will be taken to ensure the remainder of the group is retained as far as possible.

There are no other existing buildings, structures, or hard surfaces present on-site that require demolition or removal.

3.3.2 Removal of Hard Surfaces

There are no areas on-site where the removal of existing areas of hardstanding is expected to be required. As such, impacts to retained trees from this aspect of development are not anticipated.

3.3.3 Removal of Services

There are no areas on-site where the removal of existing underground services is likely to require works within the RPAs of retained trees. However tree T490 in New Hinskey will be lost to facilitate the diversion of the overhead 11kV cable at this location, however it may be possible to retain if it is pruned back. The contractor will work with Scottish and Southern Electric to confirm if this is possible.

3.3.4 Ground Remediation

No information regarding proposed soil remediation works has been considered. However, the previous usage of the site is considered unlikely to have resulted in areas of soil contamination that would require excavation and disposal, or treatment works, to be undertaken. As such it is not considered that ground remediation works are likely to impact upon retained trees.

3.4 DIRECT IMPACTS FROM CONSTRUCTION

3.4.1 Works within RPAs

The proposed development has been designed so that major works are not required within the RPAs of retained trees as far as possible. However, some aspects of the development will require works to be undertaken within the RPAs of retained trees as follows.

Construction of a new maintenance access track in the northwest corner of the site will require the installation of ground protection measures within the RPAs of two retained trees. In this respect, where works are required within the RPAs of tree number 801 and 802 which are both category C trees, it is considered that so long as such works are completed in accordance with the protective measures outlined in Section 4 of this report, no significant impact upon the retained trees is likely to occur.

With respect to the works to install temporary access routes and working areas across the site then tree protection barriers will be erected around all RPAs prior to commencement of any works and retained in position for the full duration of the works. Any variance will be agreed with a qualified arboriculturist. In some areas, such as the western boundary of the site adjacent to North Hinksey Lane, it is recommended that areas of overlap between proposed access routes and RPAs of retained trees are laid with ground protection measures. Locations and specifications for ground protection measures, where applicable, will be specified within the Arboricultural Method Statement for this site (Report IMSE500177-CH2-ZZ-ZZ-TN-UT-0738).

There are a number of areas on-site where the construction of proposed flood defence measures, including floodwalls and flood control structures, will require some limited works within the RPAs of retained trees. With respect to these works, it will be necessary to ensure the erection and location of tree protection barriers is

undertaken prior to any works commencing by a qualified arboriculturist. Any works within RPAs must be supervised by a qualified arboriculturist.

It should be noted that a number of areas where the RPAs will be affected by works to construct new flood defence structures are already hard-surfaced. In particular, proposed works within the RPAs of tree numbers 860 and 870 are understood to overlap with previously hard-surfaced areas. It is likely that root development in the affected areas will have been restricted and on this basis, it is considered that the potential for harm to occur to the trees as a result of the works is minimal.

With respect to proposed level changes within RPAs of retained trees associated with widening river channels and installation of embankments, it is considered that these works will be of a relatively minor extent and generally confined to the periphery of the trees RPAs. As such, significant impacts from this aspect of development are not anticipated. If any roots over 25mm diameter are encountered during any excavations work should stop and any further works supervised by a qualified arboriculturist in accordance with Section 7.2.3 of BS5837.

All works within RPAs must be supervised by an Arboricultural Clerk of Works as detailed in the Arboricultural Method Statement for this site (Report Number IMSE500177-CH2-ZZ-ZZ-TN-UT-0738).

3.4.2 Works within Canopy Spreads

Following completion of proposed access facilitation pruning works, as detailed in Section 3.2.2, it is understood that no aspects of the proposed development will require works within or beneath the canopies of retained trees. As such, direct impacts to retained trees from this aspect of development are not anticipated.

3.4.3 Working Space

The nature of the proposed development is such that there are no areas on site where working space for the construction of new buildings will need to be provided within the RPAs of retained trees.

3.5 IMPACTS FROM CONSTRUCTION-RELATED OPERATIONS

3.5.1 Site Access

It is understood that construction access to the site will be provided along with the existing road networks. As noted in Section 3.2.2 it will be necessary to undertake some access facilitation pruning works to minimise the potential for branch damage to occur due to the passage of the construction plant into the site from Parker Road in South Hinksey. It will also be necessary to ensure retained trees adjacent to the access route are protected from potential impact damage by the installation of tree protection barriers prior to the commencement of the development.

3.5.2 Delivery and Storage of Materials

Material deliveries and removal of spoil will utilise the existing road network with the majority of the vehicles entering and leaving the main site compound at South Hinksey. Proposed access tracks within the working areas for use during the works and upon completion of the works for maintenance are shown on the General Landscape Arrangement Plans in Appendix I of the ES Addendum. Retained trees will be protected from harm by the prior installation of tree protection barriers and the completion of access facilitation pruning works.

3.5.3 Site Compound

The main site compound is proposed to be located adjacent to the works to the north of South Hinksey with smaller satellite compounds at strategic locations around the working areas. The drawings in Section 6 of this report consider any impacts of all the compounds on trees.

3.5.4 Contractor's Parking

The locations for contractor's parking have not been identified at this stage, however, the nature of the site is such that ample opportunities exist to provide car parking outside of the RPAs of retained trees.

3.6 POST-DEVELOPMENT IMPACTS

3.6.1 Shading

The nature of the proposed development is such that shading from retained trees is not a notable consideration.

3.6.2 Privacy and Screening

The proposed development is not expected to require the removal of any trees or groups which contribute significantly to privacy or screening within the site other than the trees on the left bank of the Seacourt Stream in North Hinksey. All trees on the right bank at this location will be retained and additional planting included to fill gaps in this area along with infill planting on the boundary of the industrial park on the opposite side of North Hinksey Meadow to mitigate the loss of any screening of the industrial estate from North Hinksey.

3.6.3 Direct Damage to Structures

There are no areas on-site where retained trees will be in such close proximity to the new development that direct damage, through branch whipping or incremental growth, is likely to occur.

3.6.4 Future Pressure for Removal

The nature of the proposed development is such that future pressure for tree removal is generally considered unlikely to occur.

3.6.5 Seasonal Nuisance

The nature of the proposed development is such that change to any seasonal nuisance due to leaf litter is unlikely to occur.

3.7 SUMMARY OF IMPACTS

Overall the proposed development is expected to remove 358 individual trees and 77 groups of trees. The partial removal of a further 61 groups will also be required. In total, approximately 2,000 individual trees will be lost as a result of the scheme. Aspects of the proposed development will also require works to be undertaken within the Root Protection Areas (RPAs) of retained trees and groups.

In summary, it is considered that the proposed development of the site will have some impacts upon the visual amenity of the local area as a result of the proposed tree removal necessary to implement it, as described in the Visual Impact Assessment submitted as part of the Environmental Statement (ES). However, given the nature of the site, it is considered that these impacts will be relatively localised and can be mitigated through replacement tree planting.

It is advised that retained trees are monitored by a qualified arboriculturist during development to ensure proposed mitigation methods are being adhered to. This is in the interest of ensuring the long-term health of retained trees. Additionally, it is recommended that retained trees are inspected following the completion of development, during different seasons each year to monitor physiology.

4. MITIGATION AND PROTECTION

4.1 INTRODUCTION

This section of the report details the initial protection, mitigation and avoidance measures suggested to prevent harm to the retained trees.

4.2 GENERAL TREE PROTECTION

4.2.1 Construction Exclusion Zone

To minimise the potential for harm to occur to the root systems and canopies of retained trees during development it will be necessary to implement construction exclusion zones throughout the site. These are areas surrounding the trees' RPAs and canopies in which no construction works, or related activities, will be undertaken.

It is recommended that the exclusion zones are afforded protection at all times through the use of tree protection barriers and/or ground protection (specified in accordance with BS5837:2012). No works that cause compaction of the soil or severance of tree roots, except where undertaken in accordance with the guidance provided within this document, will be undertaken within any exclusion zone.

Where construction operations, such as the installation of the new hardstanding, are to be undertaken within the construction exclusion zone the working practices detailed in Section 4.3 should be followed.

4.2.2 Tree Protection Barriers

The protective barriers should be erected prior to the commencement of any site works e.g. before any materials or machinery are brought on-site or the stripping of soil commences.

The protective barriers are to be constructed in accordance with the specification detailed in BS5837:2012 (Figure 2; Appendix 2) and supervised by a suitably qualified Arboricultural Clerk of Works. Any variation to the specification of the protective barrier will be agreed upon with the Local Planning Authority Arboricultural Officer.

4.2.3 Ground Protection

There are a number of areas on-site where proposed access routes will require vehicular access within the RPAs of retained trees. Where construction access is required within the RPAs of retained trees, it is recommended that ground protection measures be installed. Areas and specifications for ground protection measures within the site are specified within the Arboricultural Method Statement for this site (Report Number IMSE500177-CH2-ZZ-ZZ-TN-UT-0738).

4.3 MITIGATION OR AVOIDANCE OF IMPACTS

4.3.1 Design Amendments

It is considered that further design amendments to the proposed scheme and associated temporary working areas which would reduce the extent of tree removal required, so as to minimise impacts, are not practical and the scheme minimises the impacts as far as is practically possible. However, there may be opportunities during the initial site set with the Contractor to reduce tree losses in temporary working areas associated with the scheme.

As stated in Sections 7 and 8 of the accompanying Environmental Statement, the key alignments and modifications that have been considered during the development of the Scheme comprise and the alignment of the new second stage channel, which has varying widths on either side was designed to maximise the

retention of existing ecological habitat (particularly MG4a nationally rare grassland at Hinksey Meadow), vegetation, and trees, as well as minimising other environmental impacts including visual intrusion, to maintain existing access, and to minimise impacts on public amenity and private land.

It should also be noted that, in accordance with Sections 7.3 and 8.3 of the Environmental Statement (January 2022), mitigation planting of native trees and shrubs resilient to climate change will be undertaken in relation to tree loss required for the proposed development. Planting plans and full details of planting proposals for the scheme are further outlined in the Environmental Statement Appendix F.

Approximately 2,000 individual trees will need to be felled as a result of the scheme. As mitigation for this loss, 4,100 trees will be planted within areas of proposed mixed, deciduous woodland and 225 individual trees will also be planted. Approximately 15,000 smaller tree species (e.g. hawthorn, hazel and elder) will also be planted within the proposed woodland areas and on the woodland edges, along with many more native shrubs such as dogwood, goat willow, dog rose and wild privet.

Reference should also be made to the Landscape and Habitat Creation – Delivery and Management Plan (February 2023) and Section 14.5 of the Environmental Statement with regard to mitigation tree planting and habitat creation.

4.3.2 Site Setup and Logistics

Landscaping plans detailing the locations in which activities related to the establishment of a site compound, contractors car parking areas, material storage areas and associated works are to occur have already been prepared. All such areas are located outside of the RPAs of retained trees, as shown on the drawings in Section 6 and will not result in impacts occurring to retained trees.

5. ARBORICULTURAL METHOD STATEMENT

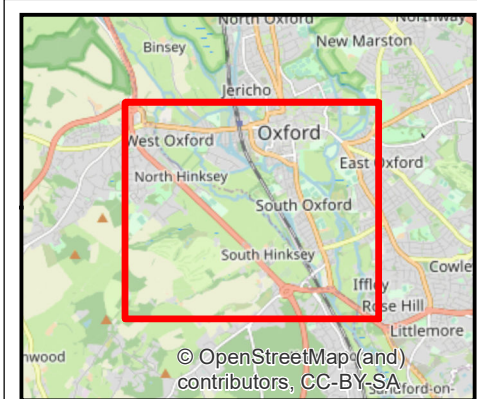
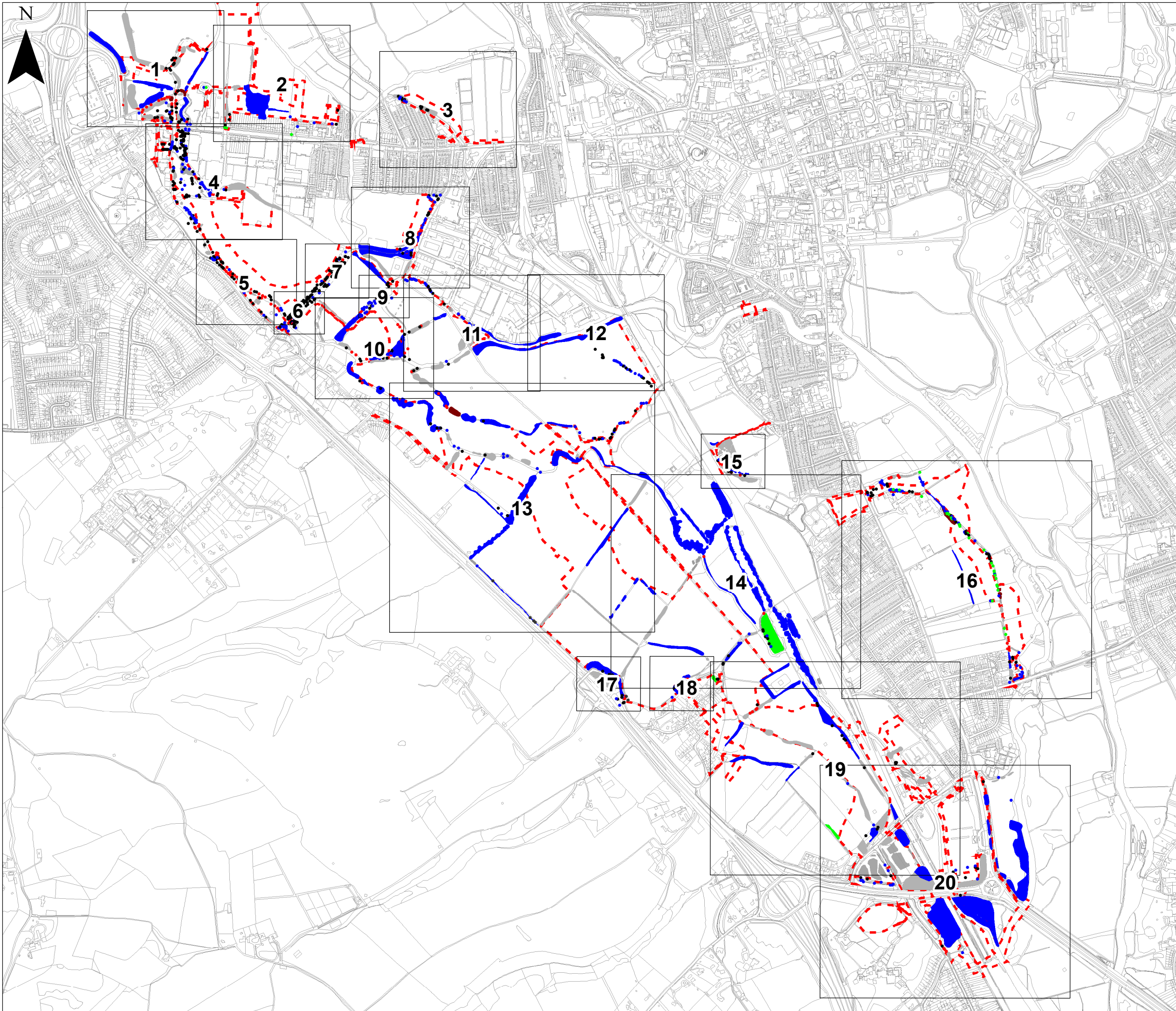
The purpose of a method statement is to ensure that all site operations can occur with minimal risk of adverse impact upon trees that are to be retained. The Method Statement is contained in document reference IMSE500177-CH2-ZZ-ZZ-TN-UT-0738.

The document will identify all areas where specific working methods will be required to ensure protection to trees. The document will also specify the location and extent of tree protection barriers and ground protection.

6. DRAWINGS

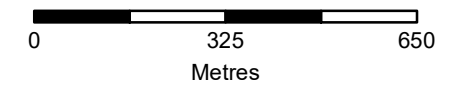
The following drawings have been produced to record the tree surveys completed for the scheme and indicate trees which are to be retained or require removal as part of the scheme. RPAs are also indicated on the following plans;

1. IMSE500177-CH2-XX-00-DR-EN-0740 Revision B – Overall Tree Constraints and Removal Plan
2. IMSE500177-CH2-XX-00-DR-EN-0761 Revision B – Tree Constraints and Removal Plan
3. IMSE500177-CH2-XX-00-DR-EN-0762 Revision B – Tree Constraints and Removal Plan
4. IMSE500177-CH2-XX-00-DR-EN-0763 Revision B – Tree Constraints and Removal Plan
5. IMSE500177-CH2-XX-00-DR-EN-0764 Revision B – Tree Constraints and Removal Plan
6. IMSE500177-CH2-XX-00-DR-EN-0765 Revision B – Tree Constraints and Removal Plan
7. IMSE500177-CH2-XX-00-DR-EN-0766 Revision B – Tree Constraints and Removal Plan
8. IMSE500177-CH2-XX-00-DR-EN-0767 Revision B – Tree Constraints and Removal Plan
9. IMSE500177-CH2-XX-00-DR-EN-0768 Revision B – Tree Constraints and Removal Plan
10. IMSE500177-CH2-XX-00-DR-EN-0769 Revision B – Tree Constraints and Removal Plan
11. IMSE500177-CH2-XX-00-DR-EN-0770 Revision B – Tree Constraints and Removal Plan
12. IMSE500177-CH2-XX-00-DR-EN-0771 Revision B – Tree Constraints and Removal Plan
13. IMSE500177-CH2-XX-00-DR-EN-0772 Revision B – Tree Constraints and Removal Plan
14. IMSE500177-CH2-XX-00-DR-EN-0773 Revision B – Tree Constraints and Removal Plan
15. IMSE500177-CH2-XX-00-DR-EN-0774 Revision B – Tree Constraints and Removal Plan
16. IMSE500177-CH2-XX-00-DR-EN-0775 Revision B – Tree Constraints and Removal Plan
17. IMSE500177-CH2-XX-00-DR-EN-0776 Revision B – Tree Constraints and Removal Plan
18. IMSE500177-CH2-XX-00-DR-EN-0777 Revision B – Tree Constraints and Removal Plan
19. IMSE500177-CH2-XX-00-DR-EN-07778 Revision B – Tree Constraints and Removal Plan
20. IMSE500177-CH2-XX-00-DR-EN-0779 Revision B – Tree Constraints and Removal Plan
21. IMSE500177-CH2-XX-00-DR-EN-0780 Revision B – Tree Constraints and Removal Plan



Legend

- Category A tree
- Category B tree
- Category C tree
- Category U tree
- Category A group
- Category B group
- Category C group
- Category U group
- Site Boundary



Rev	By	Chkd	Apprvd	Date	Description
B	RM	PS	PJM	05/10/22	PLANNING APP RESUBMISSION

Client
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 Kings Meadow House
 Kings Meadow Road
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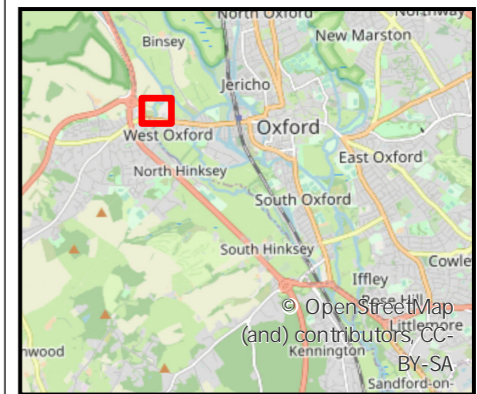
Project :
Oxford Flood Alleviation Scheme

Drawing :
Tree Constraints and Removal Plan

Drawn By : RK Date: 03/02/2023
 Checked By : CM Date: 03/02/2023
 Approved By : GH Date: 03/02/2023

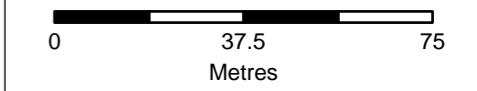
Drawing No. : IMSE500177-CH2-XX-00-DR-EN-0740 Revision B

Drawing Scale : 1:12,833



- Legend**
- Site Boundary
 - Category A tree
 - Category B tree
 - Category C tree
 - Category U tree
 - Category A group
 - Category B group
 - Category C group
 - Category U group

- Management**
- Removed
 - Retained
 - Root protection area
 - Scheme Works



Rev	By	Chkd	Apprvd	Date	Description
B	RM	PS	PJM	05/10/22	PLANNING APP RESUBMISSION

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 Kings Meadow Road
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 1 Glass Wharf, Bristol BS2 0FF
 Tel: +44 (0)117 457 2500



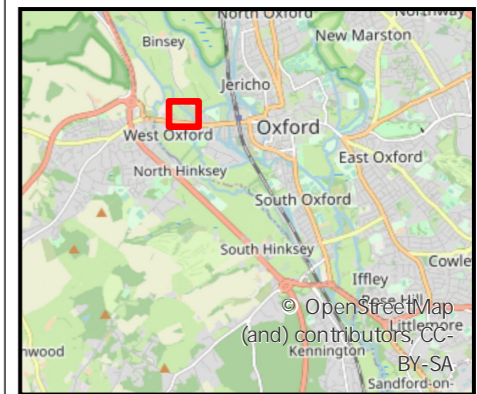
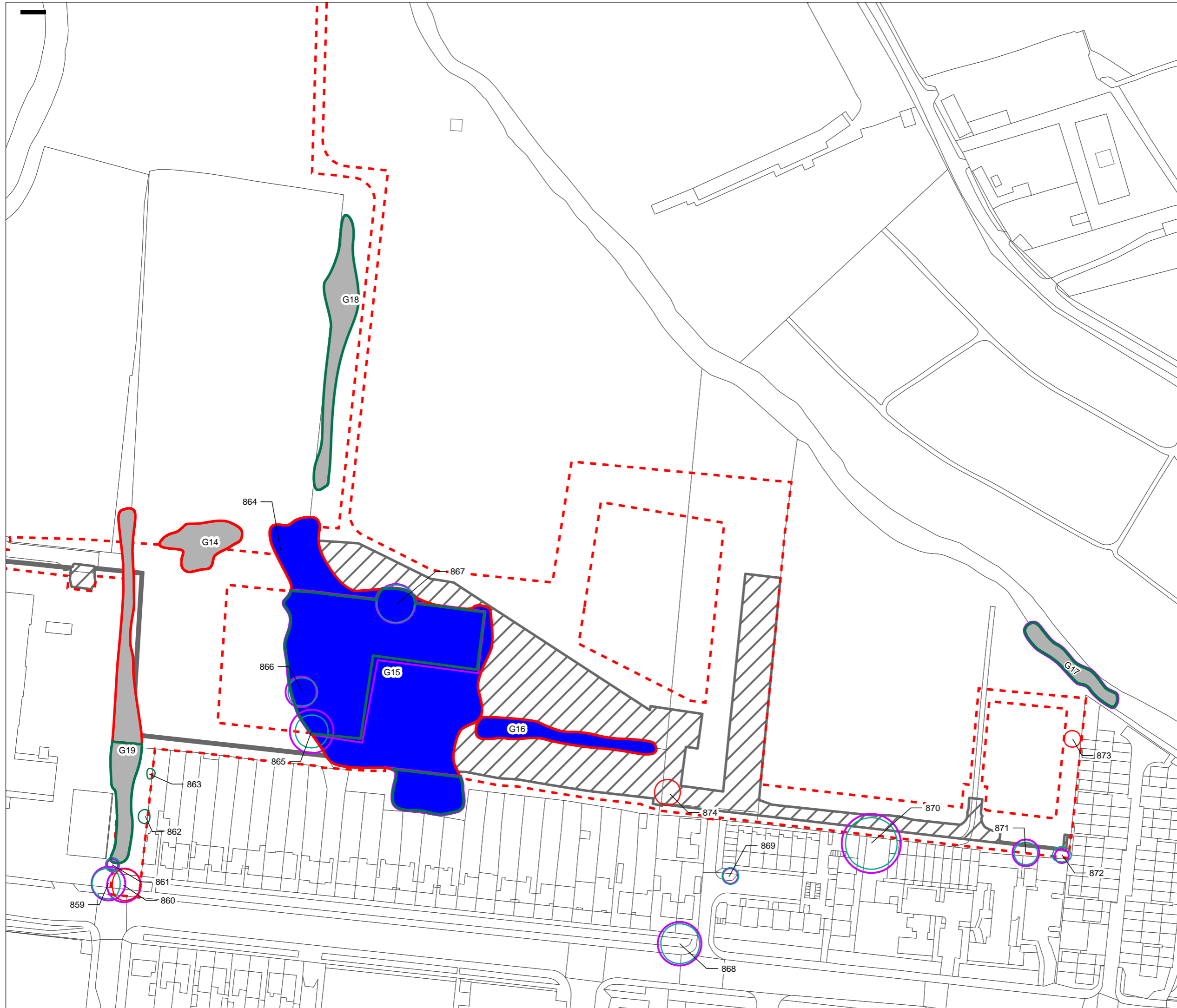
www.jacobs.com
 Project:
Oxford Flood Alleviation Scheme

Drawing:
Tree Constraints and Removal Plan

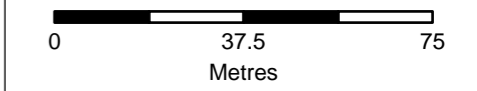
Drawn By : RM Date: 03/02/2023
 Checked By : PS Date: 03/02/2023
 Approved By : PJM Date: 03/02/2023

Drawing No. : IMSE500177-CH2-XX-00-DR-EN-0761 Revision **B**

Drawing Scale : 1:1,500



- Legend**
- Site Boundary
 - | Category A tree
 - | Category B tree
 - | Category C tree
 - | Category U tree
 - Category A group
 - Category B group
 - Category C group
 - Category U group
 - Removed
 - Retained
 - Root protection area
 - Scheme Works



Rev	By	Chkd	Apprvd	Date	Description
B	RM	PS	PJM	05/10/22	PLANNING APP RESUBMISSION

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 Environment Agency
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 Kings Meadow Road
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 RG1 8DQ



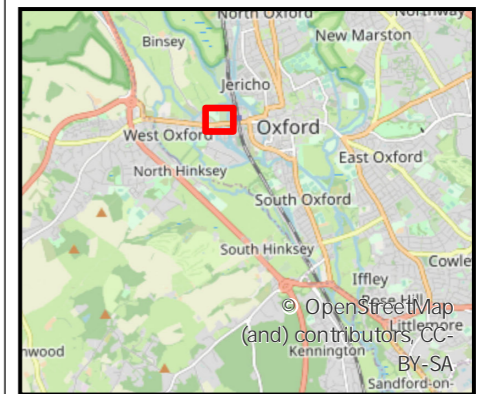
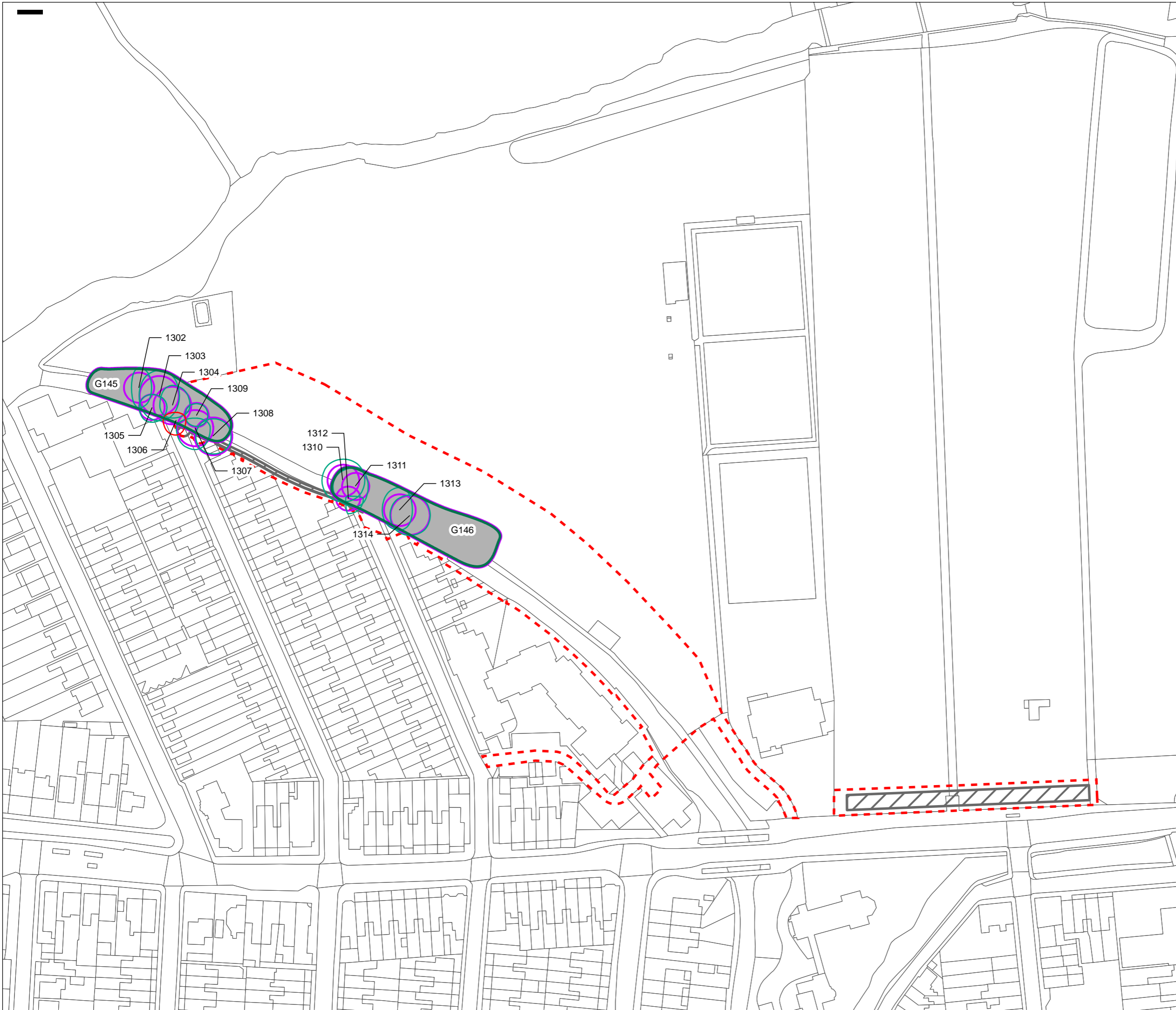
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 Project :
Oxford Flood Alleviation Scheme

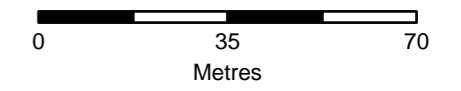
Drawing :
Tree Constraints and Removal Plan

Drawn By : RM	Date: 03/02/2023
Checked By : PS	Date: 03/02/2023
Approved By : PJM	Date: 03/02/2023
Drawing No. : IMSE500177-CH2-XX-00-DR-EN-0762	Revision B
Drawing Scale : 1:1,500	



- Legend**
- Site Boundary
 - | Category A tree
 - | Category B tree
 - | Category C tree
 - | Category U tree
 - Category A group
 - Category B group
 - Category C group
 - Category U group

- Management**
- Removed
 - Retained
 - Root protection area
 - Scheme Works



Rev	By	Chkd	Apprvd	Date	Description
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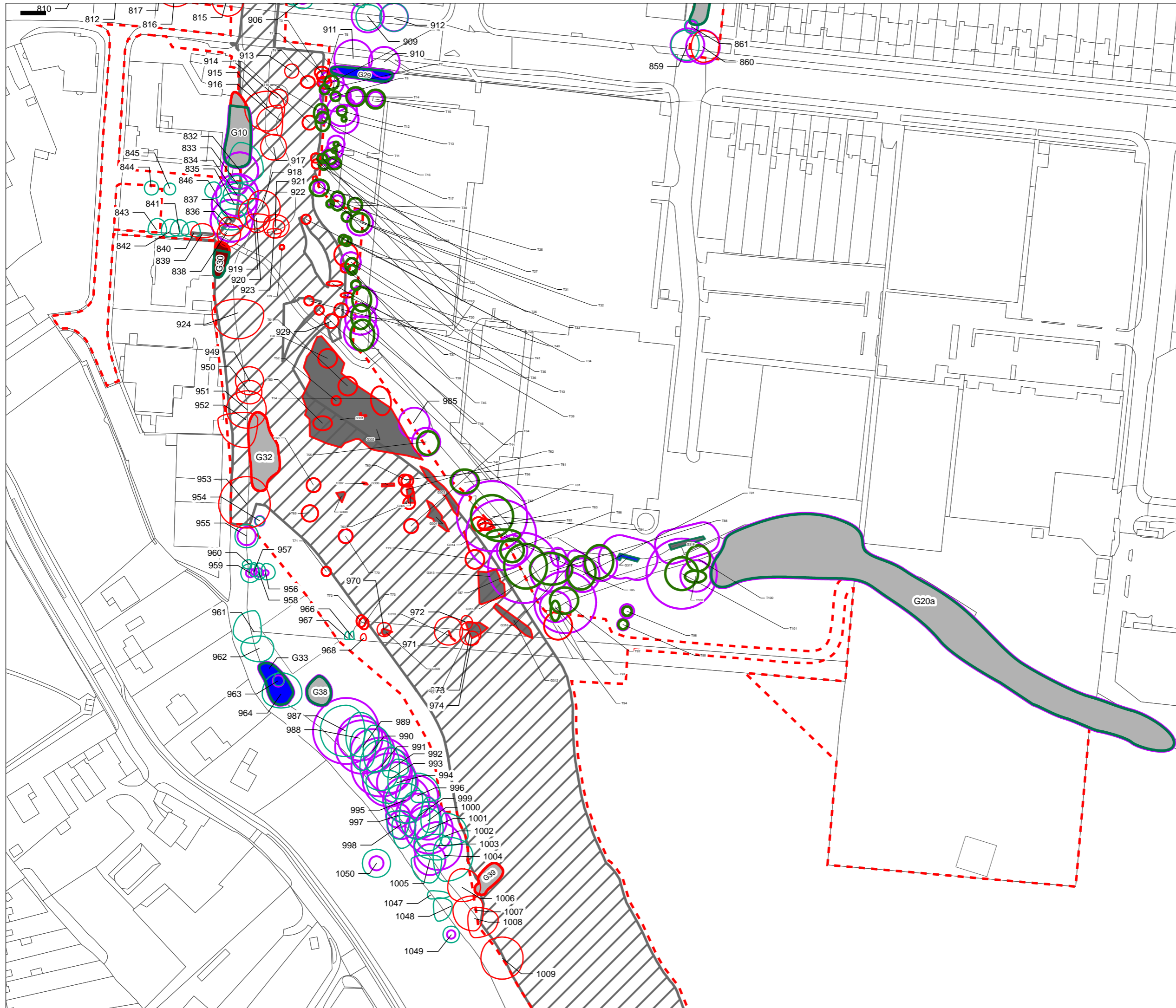
www.jacobs.com
 Project :
Oxford Flood Alleviation Scheme

Drawing :
Tree Constraints and Removal Plan

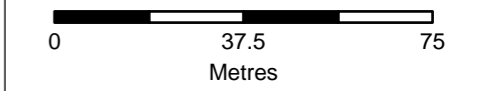
Drawn By : RM	Date: 03/02/2023
Checked By : PS	Date: 03/02/2023
Approved By : PJM	Date: 03/02/2023

Drawing No. : IMSE500177-CH2-XX-00-DR-EN-0763	Revision B
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Drawing Scale : 1:1,400



- Legend**
- Site Boundary
 - Category A tree
 - Category B tree
 - Category C tree
 - Category U tree
 - Category A group
 - Category B group
 - Category C group
 - Category U group
 - Removed
 - Retained
 - Root protection area
 - Scheme Works



Rev	By	Chkd	Apprvd	Date	Description
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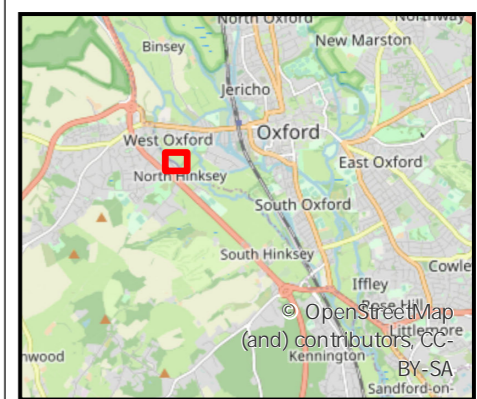
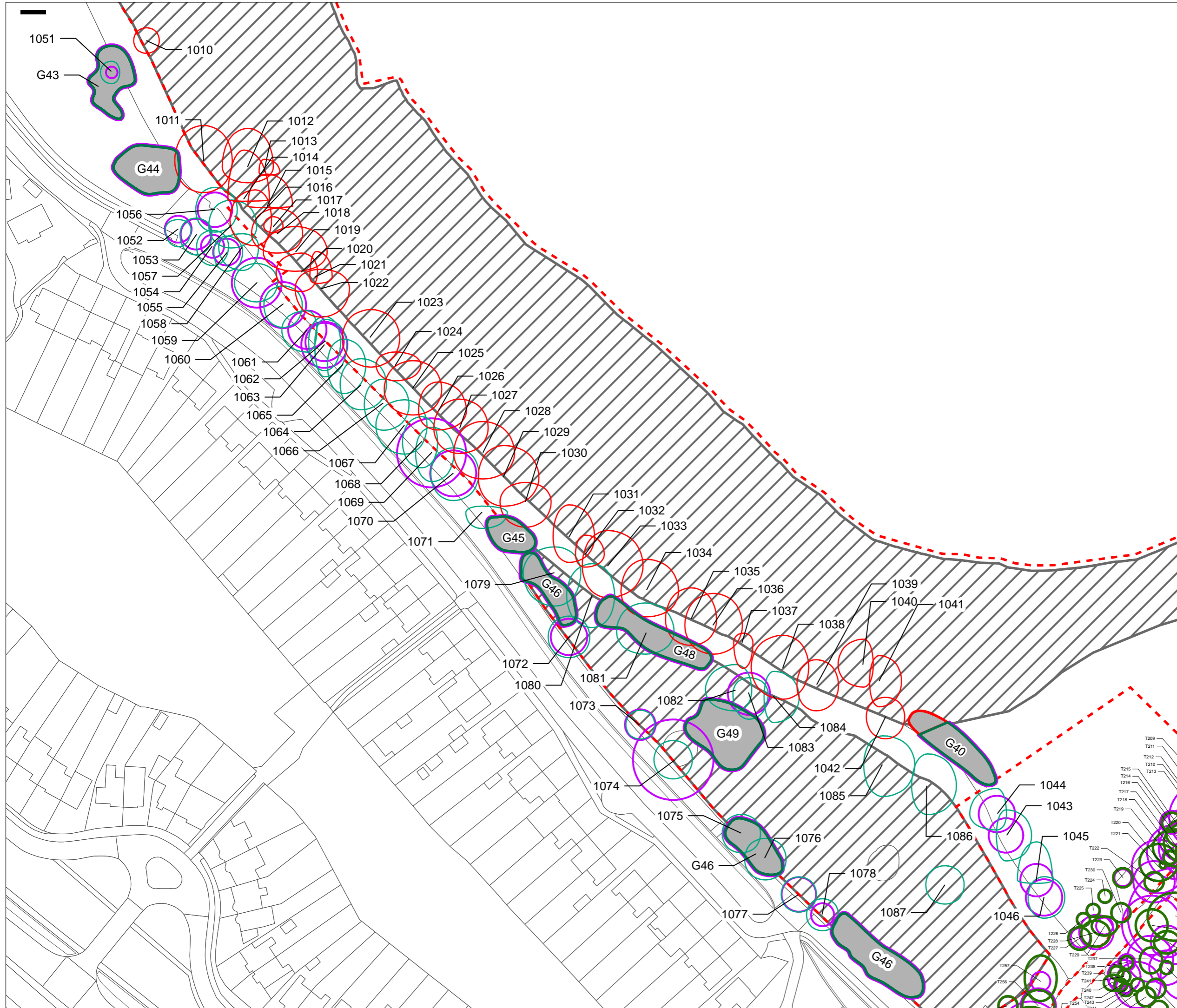


www.jacobs.com
 Project :
Oxford Flood Alleviation Scheme

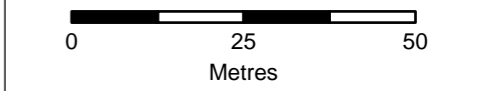
Drawing :
Tree Constraints and Removal Plan

Drawn By : RM Date: 03/02/2023
 Checked By : PS Date: 03/02/2023
 Approved By : PJM Date: 03/02/2023

Drawing No. : IMSE500177-CH2-XX-00-DR-EN-0764 Revision **B**
 Drawing Scale : 1:1,500



- Legend**
- Site Boundary
 - | Category A tree
 - | Category B tree
 - | Category C tree
 - | Category U tree
 - Category A group
 - Category B group
 - Category C group
 - Category U group
- Management**
- Removed
 - Retained
 - Root protection area
 - Scheme Works



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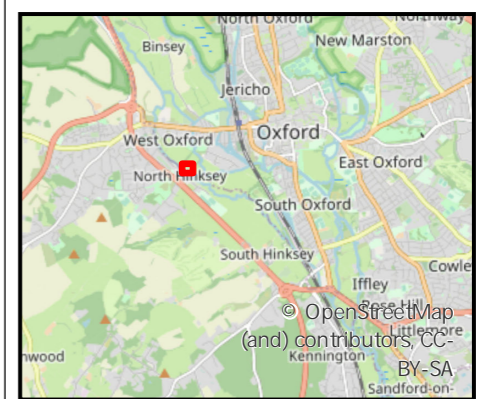
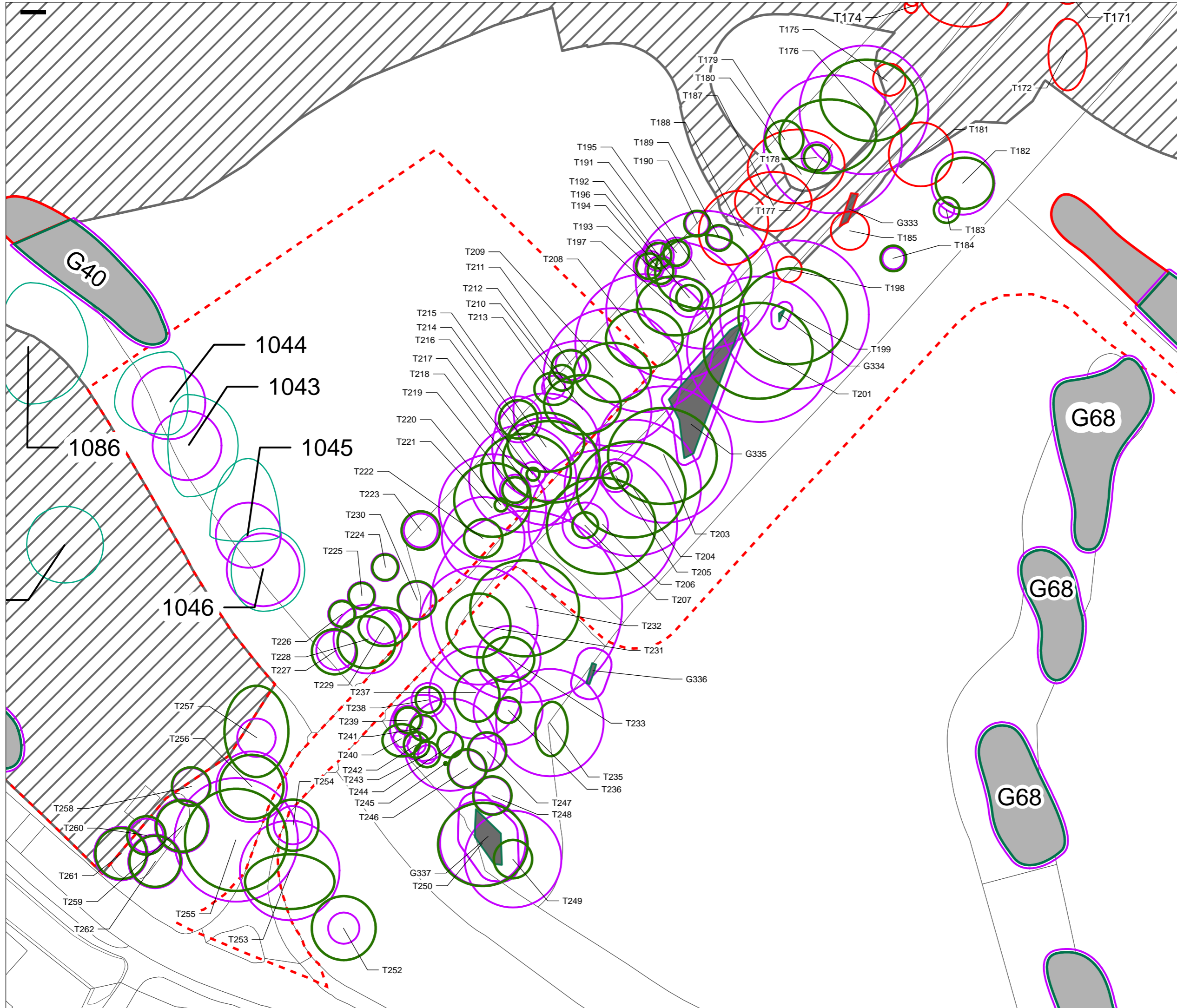
www.jacobs.com
 Project :
 Oxford Flood Alleviation Scheme

Drawing :
 Tree Constraints and Removal Plan

Drawn By : RM Date: 03/02/2023
 Checked By : PS Date: 03/02/2023
 Approved By : PJM Date: 03/02/2023

Drawing No. : IMSE500177-CH2-XX-00-DR-EN-0765 Revision B

Drawing Scale : 1:1,100



Legend

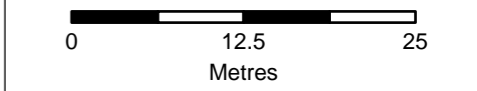
- Site Boundary

BS5837 categories

- Category A tree
- Category B tree
- Category C tree
- Category U tree
- Category A group
- Category B group
- Category C group
- Category U group

Management

- Removed
- Retained
- Root protection area
- Scheme Works



Rev	By	Chkd	Apprvd	Date	Description
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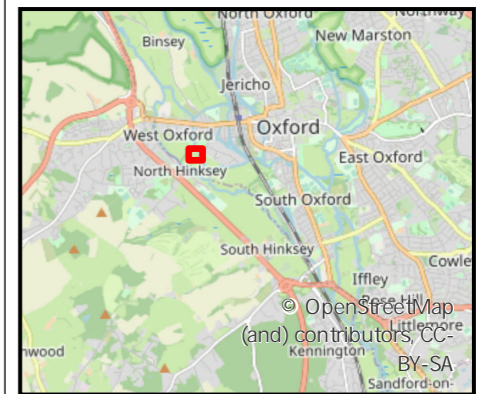
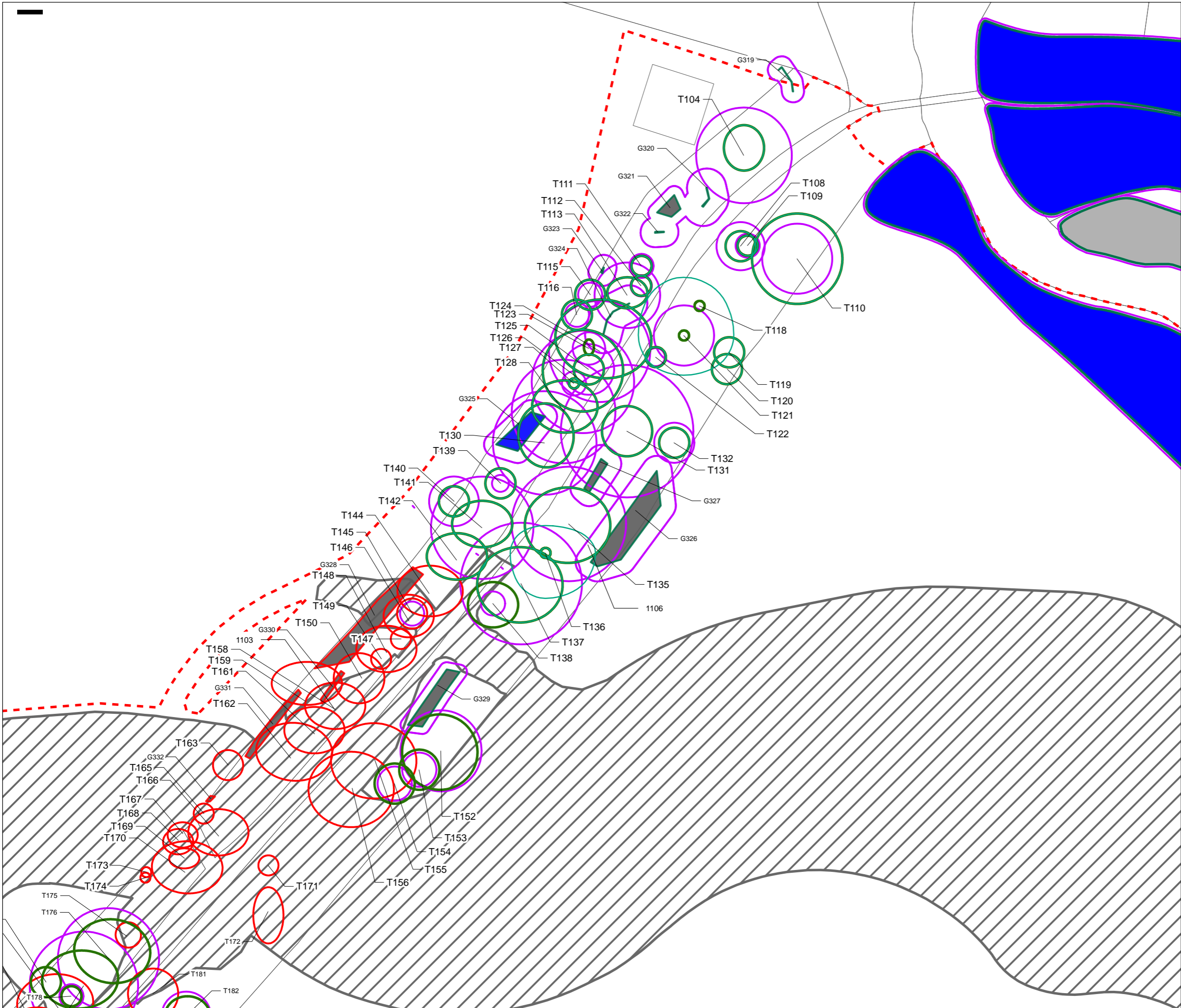
www.jacobs.com
 Project :
Oxford Flood Alleviation Scheme

Drawing :
Tree Constraints and Removal Plan

Drawn By : RM Date: 03/02/2023
 Checked By : PS Date: 03/02/2023
 Approved By : PJM Date: 03/02/2023

Drawing No. : IMSE500177-CH2-XX-00-DR-EN-0766	Revision B
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Drawing Scale : 1:550



Legend

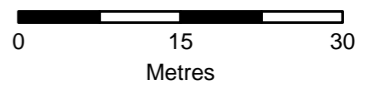
- Site Boundary

BS5837 categories

- Category A tree
- Category B tree
- Category C tree
- Category U tree
- Category A group
- Category B group
- Category C group
- Category U group

Management

- Removed
- Retained
- Root protection area
- Scheme Works



Rev	By	Chkd	Apprvd	Date	Description
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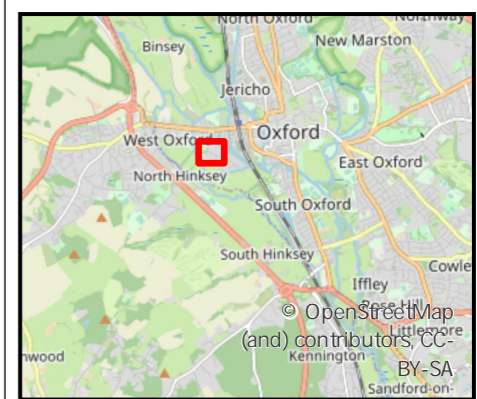
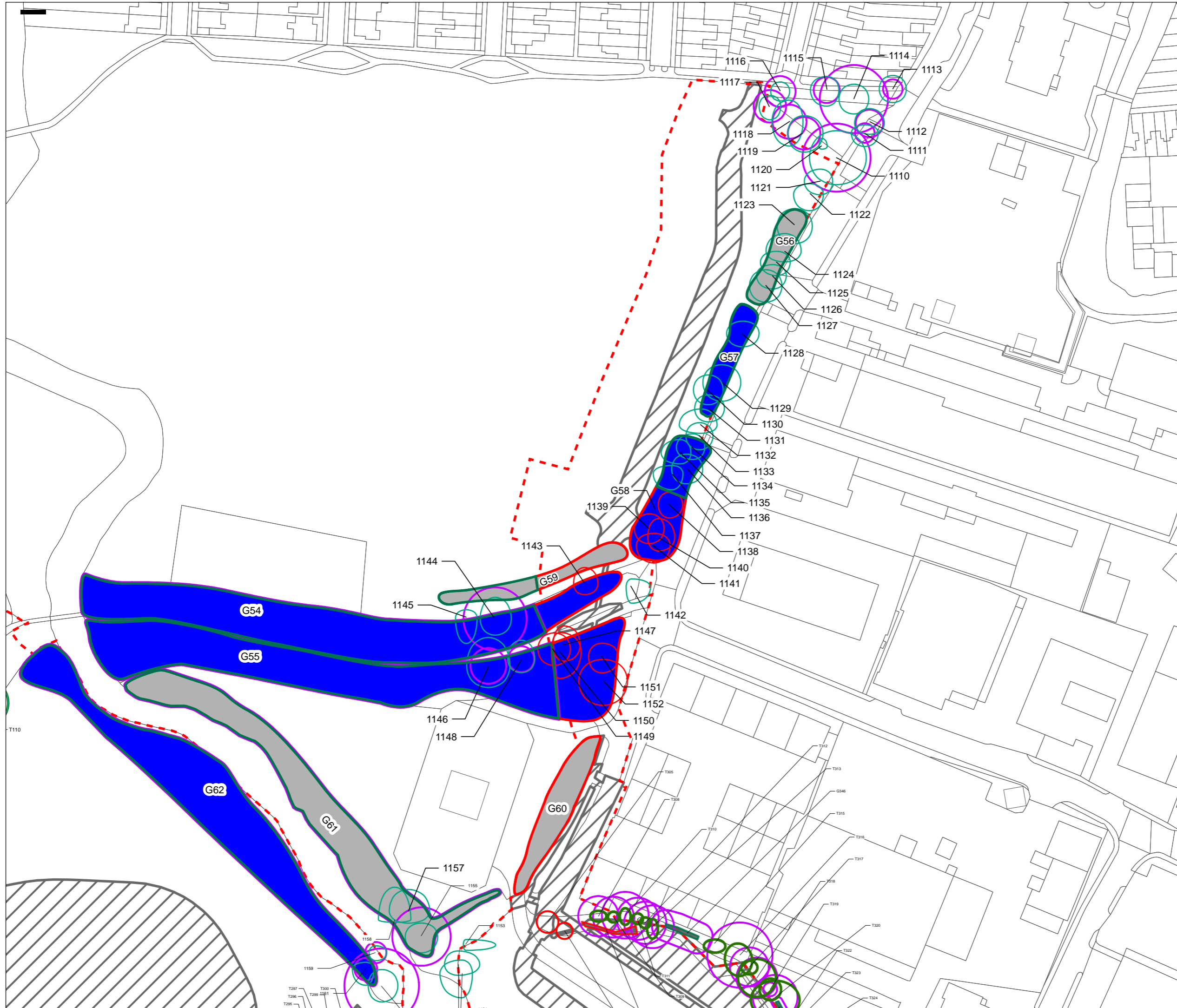


www.jacobs.com
 Project :
Oxford Flood Alleviation Scheme

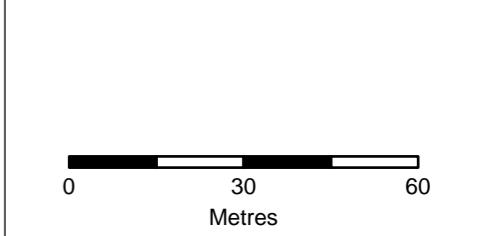
Drawing :

Tree Constraints and Removal Plan

Drawn By : RM	Date: 03/02/2023
Checked By : PS	Date: 03/02/2023
Approved By : PJM	Date: 03/02/2023
Drawing No. : IMSE500177-CH2-XX-00-DR-EN-0767	Revision B
Drawing Scale : 1:700	



- Legend**
- Site Boundary
 - Category A tree
 - Category B tree
 - Category C tree
 - Category U tree
 - Category A group
 - Category B group
 - Category C group
 - Category U group
 - Removed
 - Retained
 - Root protection area
 - Scheme Works



Rev	By	Chkd	Apprvd	Date	Description
B	RM	PS	PJM	05/10/22	PLANNING APP RESUBMISSION

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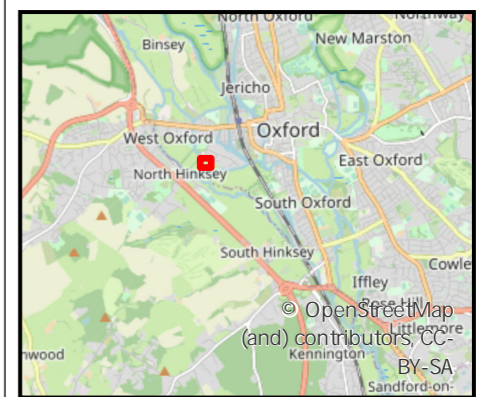
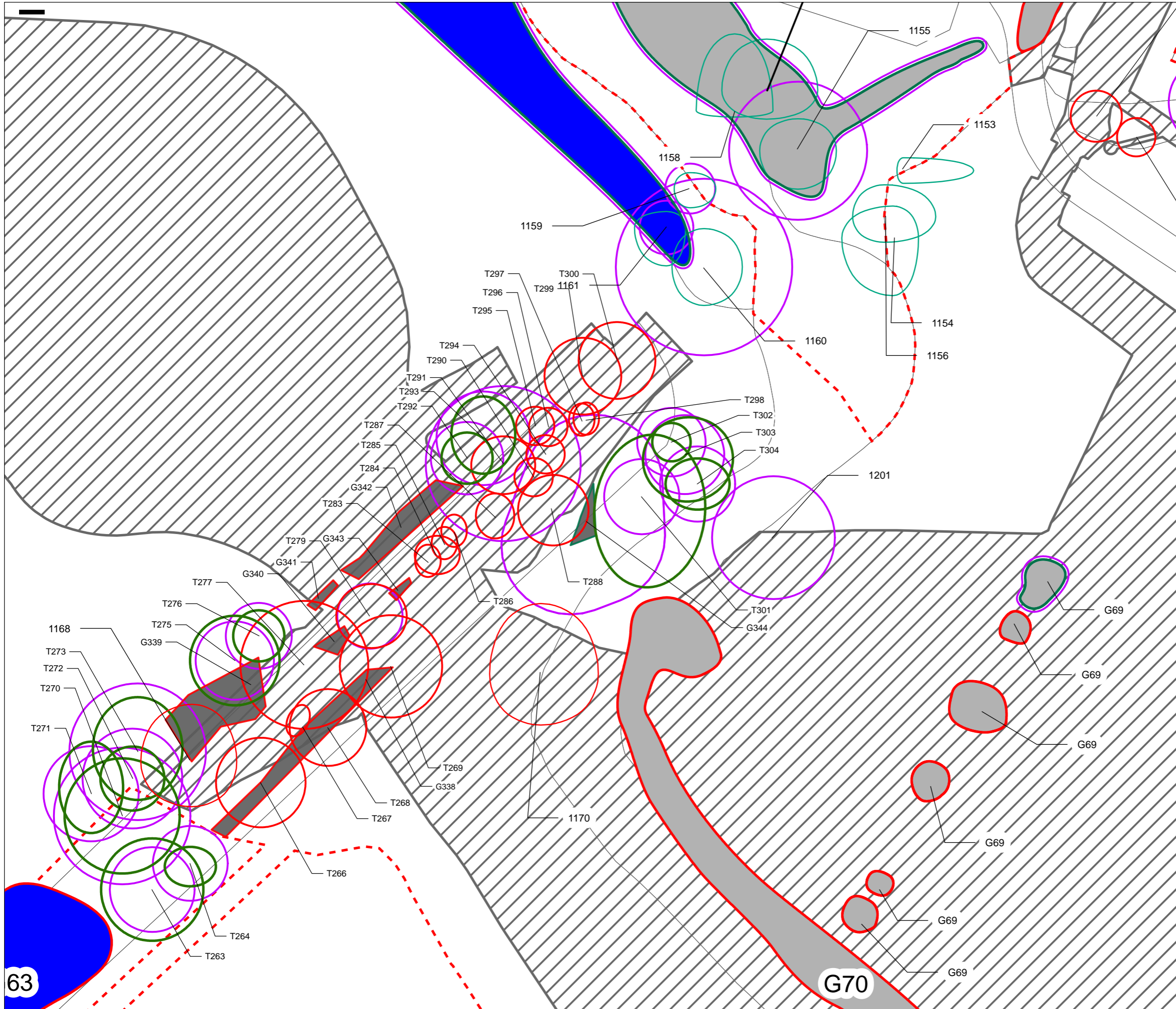
www.jacobs.com
 Project :
Oxford Flood Alleviation Scheme

Drawing :
Tree Constraints and Removal Plan

Drawn By : RM Date: 03/02/2023
 Checked By : PS Date: 03/02/2023
 Approved By : PJM Date: 03/02/2023

Drawing No. : IMSE500177-CH2-XX-00-DR-EN-0768 Revision **B**

Drawing Scale : 1:1,300

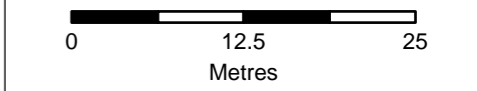


Legend

- Site Boundary
- Category A tree
- Category B tree
- Category C tree
- Category U tree
- Category A group
- Category B group
- Category C group
- Category U group

Management

- Removed
- Retained
- Root protection area
- Scheme Works



Rev	By	Chkd	Apprvd	Date	Description
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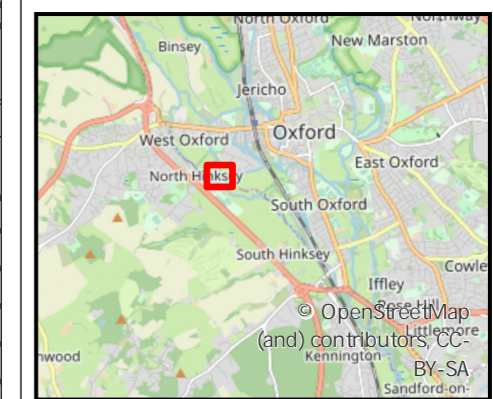
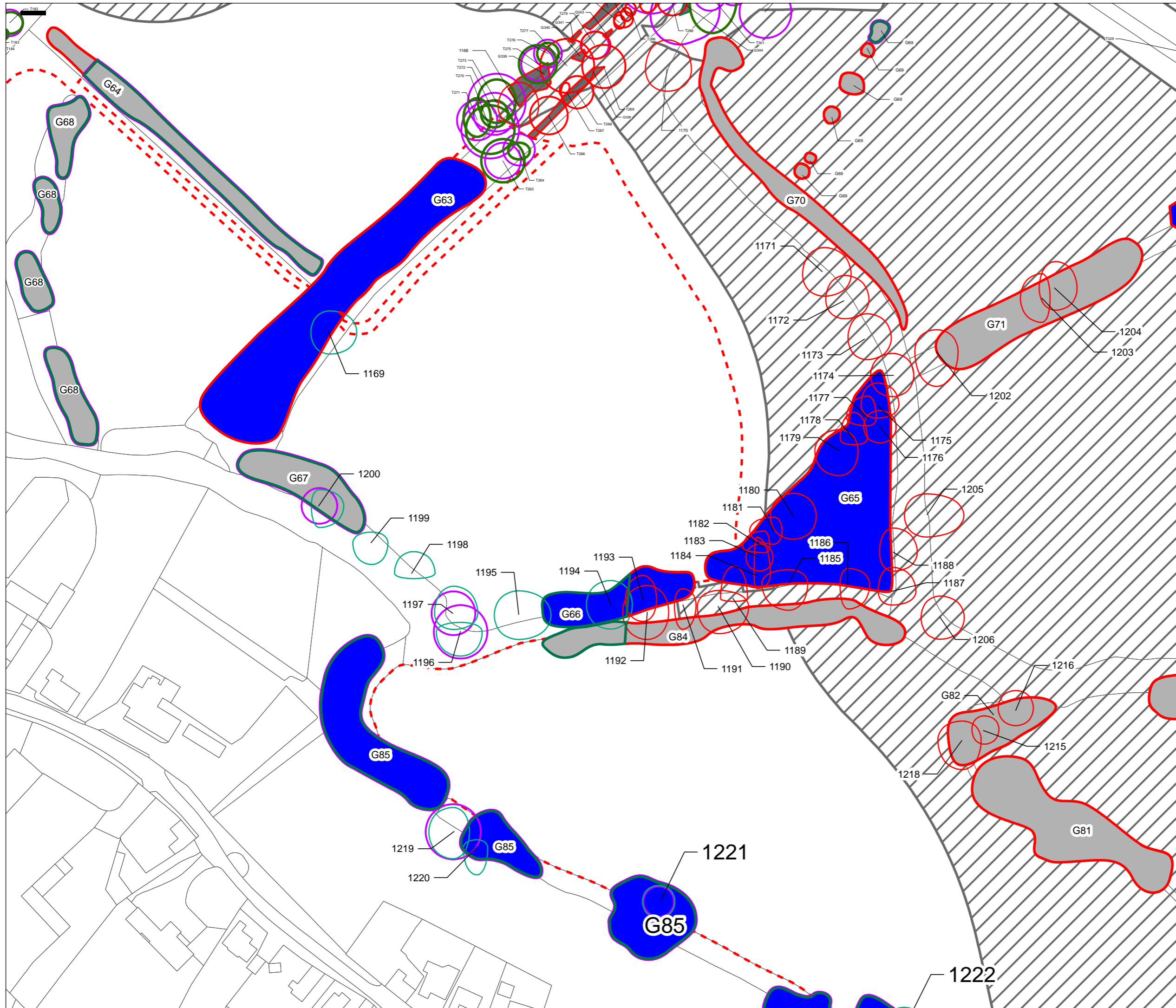


www.jacobs.com
 Project :
Oxford Flood Alleviation Scheme

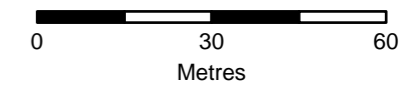
Drawing :

Tree Constraints and Removal Plan

Drawn By : RM	Date: 03/02/2023
Checked By : PS	Date: 03/02/2023
Approved By : PJM	Date: 03/02/2023
Drawing No. : IMSE500177-CH2-XX-00-DR-EN-0769	Revision B
Drawing Scale : 1:550	



- Legend**
- Site Boundary
 - Category A tree
 - Category B tree
 - Category C tree
 - Category U tree
 - Category A group
 - Category B group
 - Category C group
 - Category U group
- Management**
- Removed
 - Retained
 - Root protection area
 - Scheme Works



Rev	By	Chkd	Apprvd	Date	Description
B	RM	PS	PJM	05/10/22	PLANNING APP RESUBMISSION

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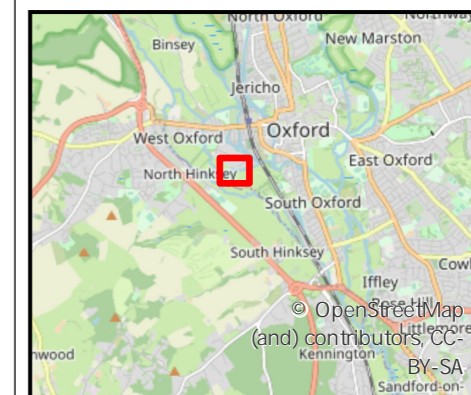
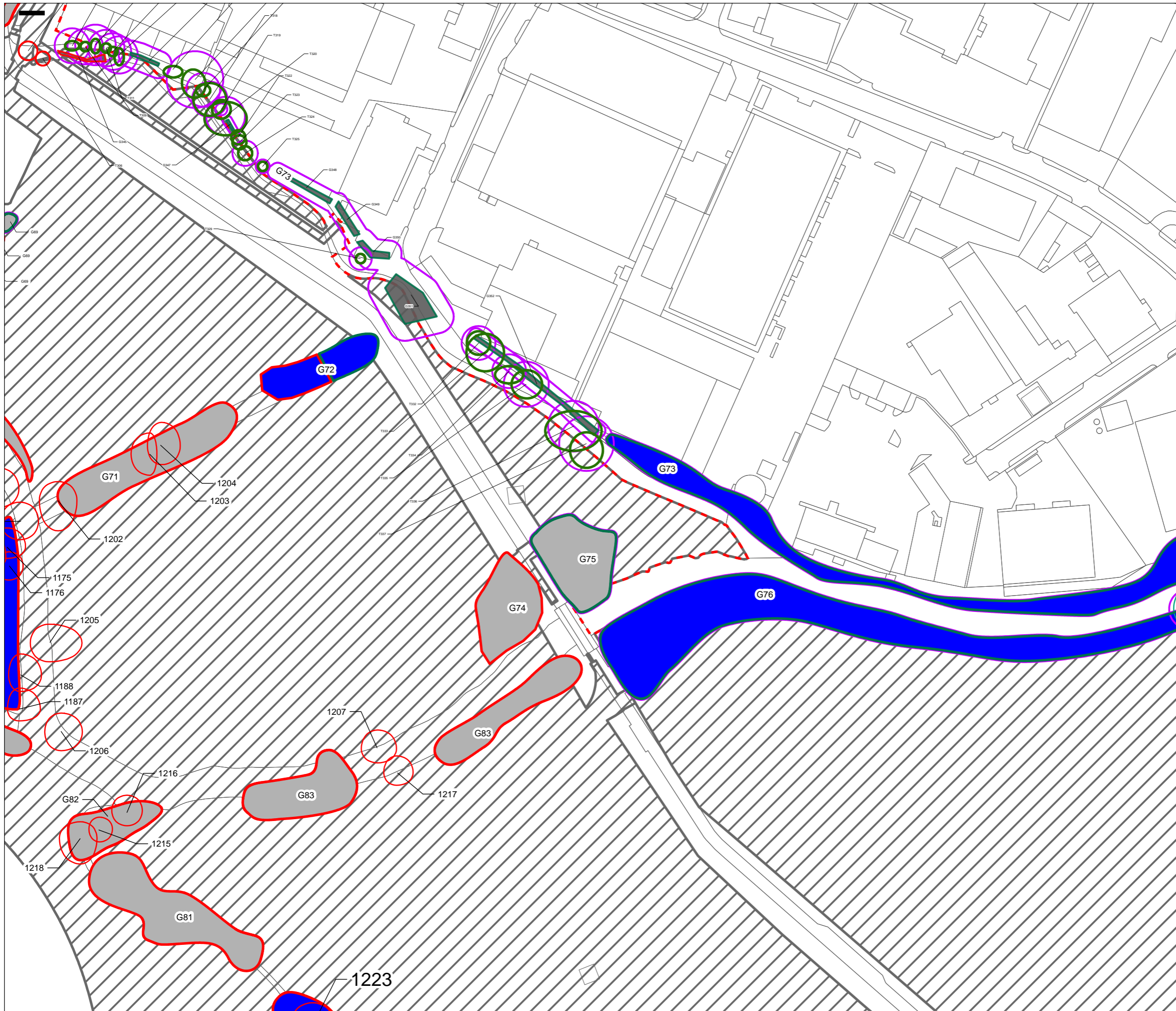
www.jacobs.com
 Project :
Oxford Flood Alleviation Scheme

Drawing :
Tree Constraints and Removal Plan

Drawn By : RM Date: 03/02/2023
 Checked By : PS Date: 03/02/2023
 Approved By : PJM Date: 03/02/2023

Drawing No. : IMSE500177-CH2-XX-00-DR-EN-0770 Revision
B

Drawing Scale : 1:1,300

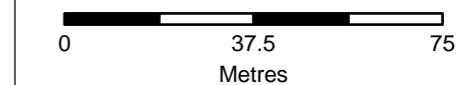


Legend

- Site Boundary
- BS5837 categories**
- Category A tree
- Category B tree
- Category C tree
- Category U tree
- Category A group
- Category B group
- Category C group
- Category U group

Management

- Removed
- Retained
- Root protection area
- Scheme Works



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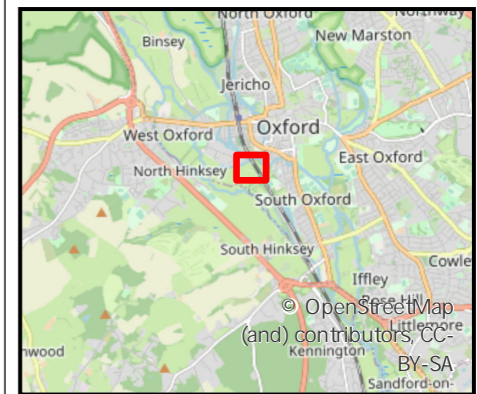
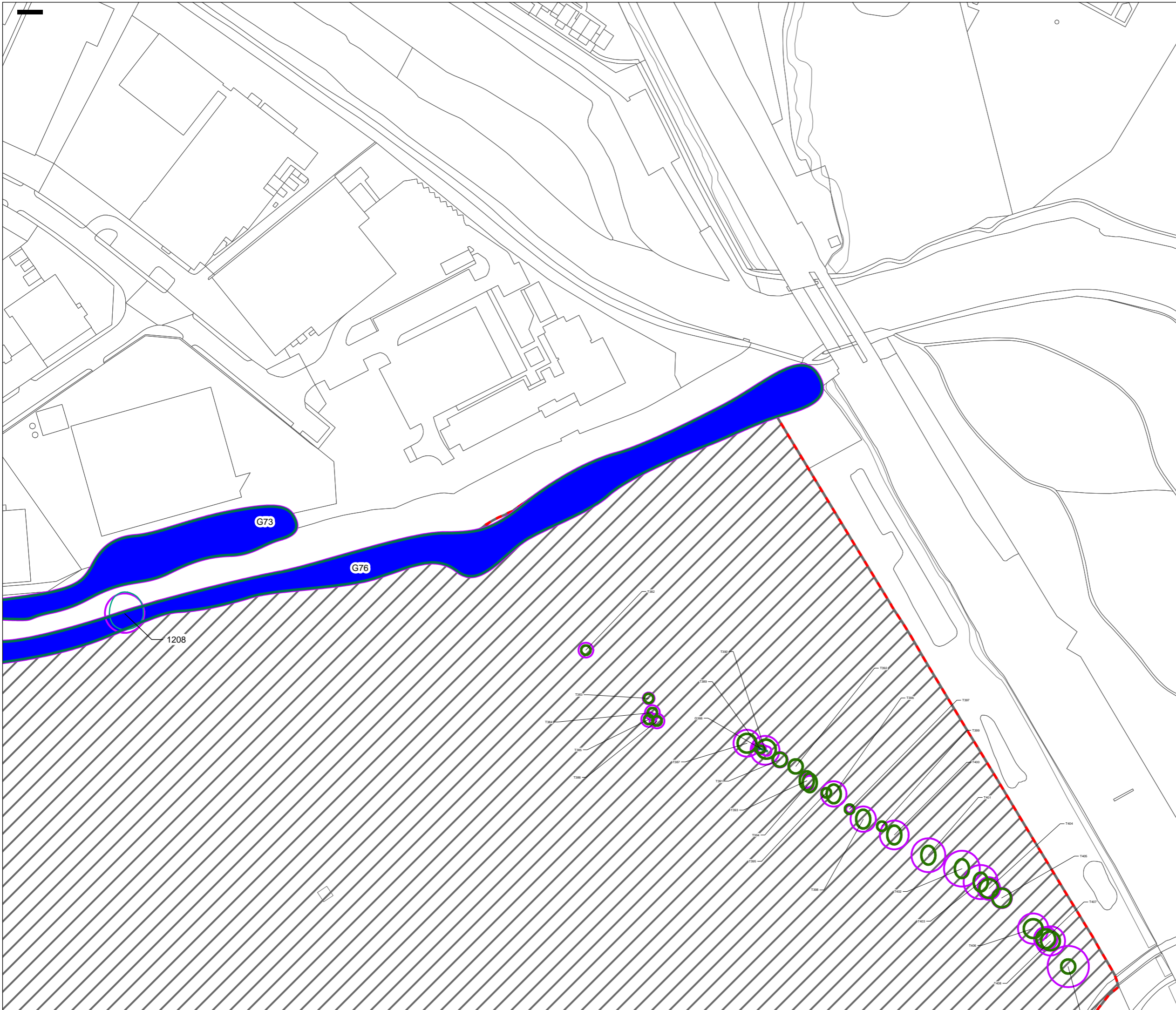
Project :
Oxford Flood Alleviation Scheme

Drawing :
Tree Constraints and Removal Plan

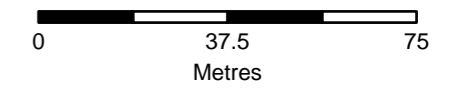
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Checked By : PS Date: 03/02/2023
Approved By : PJM Date: 03/02/2023

Drawing No. : IMSE500177-CH2-XX-00-DR-EN-0771 Revision
B

Drawing Scale : 1:1,500



- Legend**
- Site Boundary
 - Category A tree
 - Category B tree
 - Category C tree
 - Category U tree
 - Category A group
 - Category B group
 - Category C group
 - Category U group
- Management**
- Removed
 - Retained
 - Root protection area
 - Scheme Works



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 Project :
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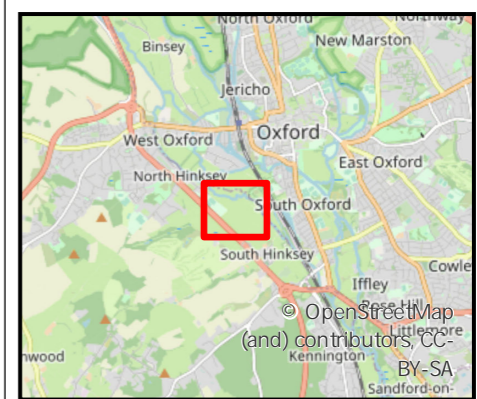
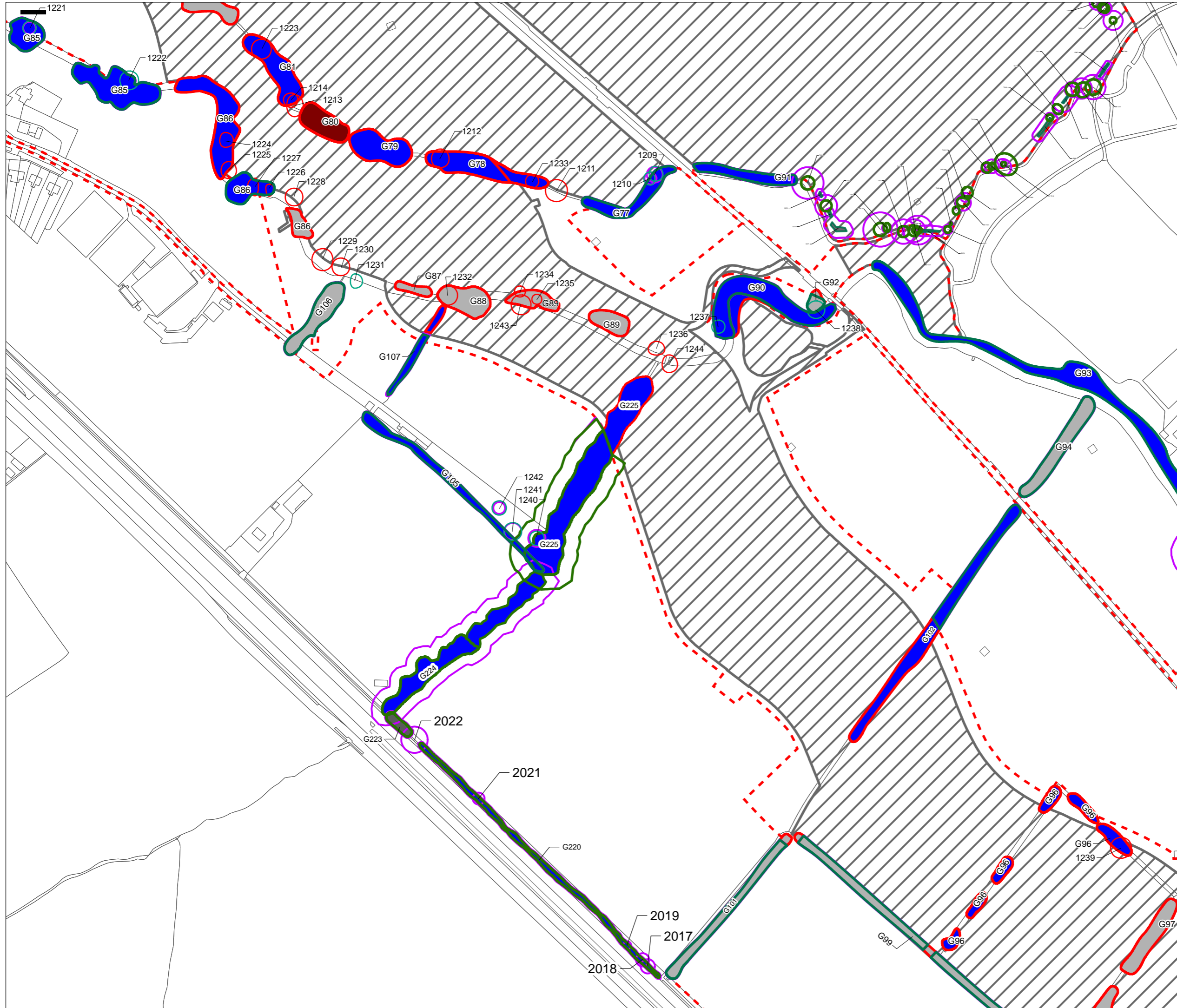
Drawing :

Tree Constraints and Removal Plan

Drawn By : RM	Date: 03/02/2023
Checked By : PS	Date: 03/02/2023
Approved By : PJM	Date: 03/02/2023

Drawing No. : IMSE500177-CH2-XX-00-DR-EN-0772	Revision B
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Drawing Scale : 1:1,500

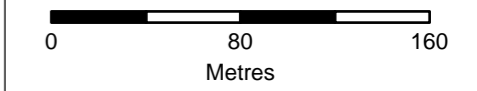


Legend

- Site Boundary
- | Category A tree
- | Category B tree
- | Category C tree
- | Category U tree
- Category A group
- Category B group
- Category C group
- Category U group

Management

- Removed
- Retained
- Root protection area
- Scheme Works



Rev	By	Chkd	Apprvd	Date	Description
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 Project :
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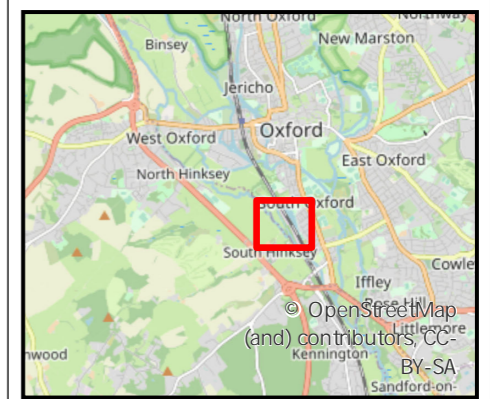
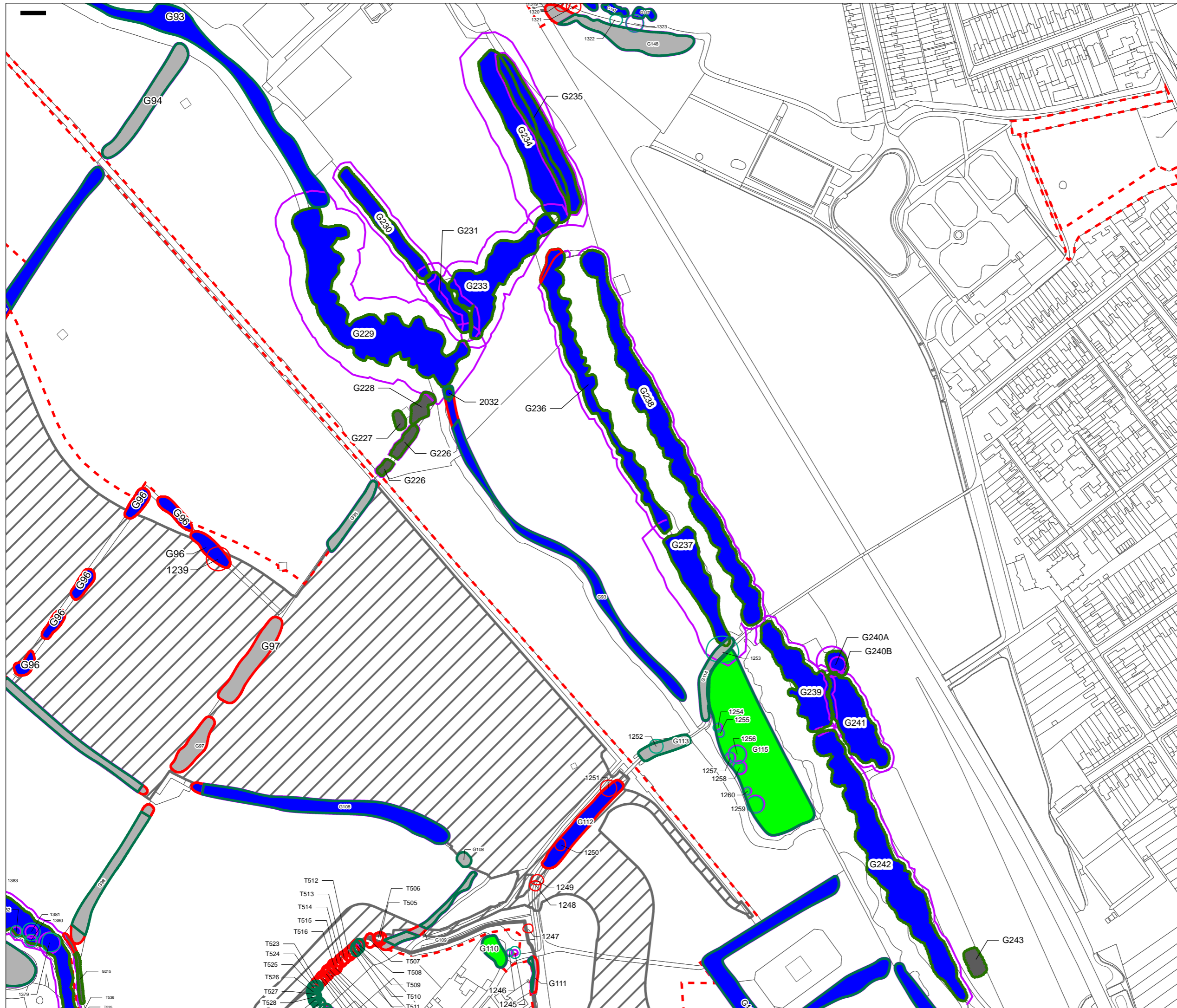
Drawing :

Tree Constraints and Removal Plan

Drawn By : RM	Date: 03/02/2023
Checked By : PS	Date: 03/02/2023
Approved By : PJM	Date: 03/02/2023

Drawing No. : IMSE500177-CH2-XX-00-DR-EN-0773	Revision B
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Drawing Scale : 1:3,200

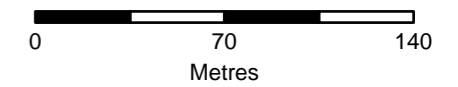


Legend

- Site Boundary
- Category A tree
- Category B tree
- Category C tree
- Category U tree
- Category A group
- Category B group
- Category C group
- Category U group

Management

- Removed
- Retained
- Root protection area
- Scheme Works



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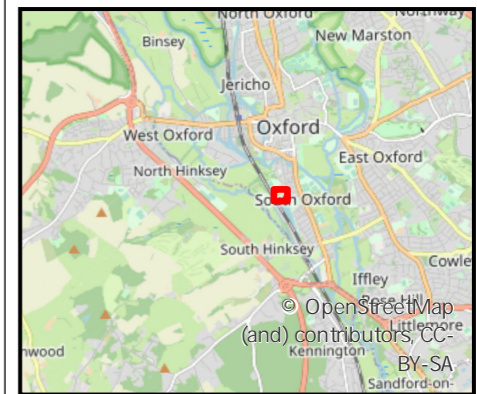
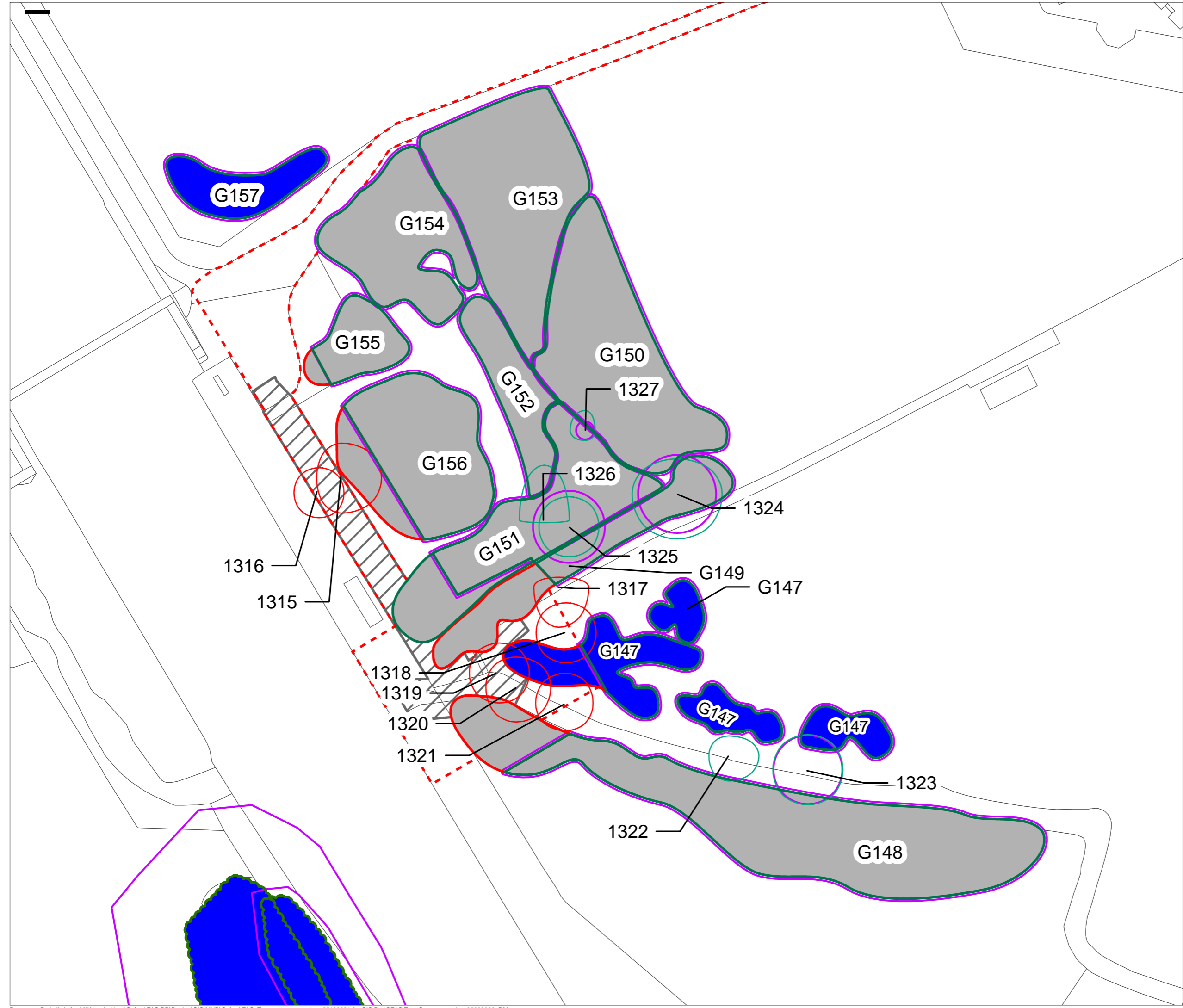
Project :
Oxford Flood Alleviation Scheme

Drawing :
Tree Constraints and Removal Plan

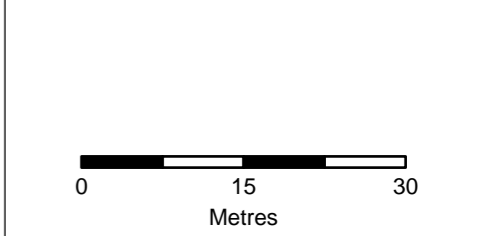
Drawn By : RM Date: 03/02/2023
Checked By : PS Date: 03/02/2023
Approved By : PJM Date: 03/02/2023

Drawing No. : IMSE500177-CH2-XX-00-DR-EN-0774 Revision
B

Drawing Scale : 1:2,800



- Legend**
- Site Boundary
 - Category A tree
 - Category B tree
 - Category C tree
 - Category U tree
 - Category A group
 - Category B group
 - Category C group
 - Category U group
 - Removed
 - Retained
 - Root protection area
 - Scheme Works



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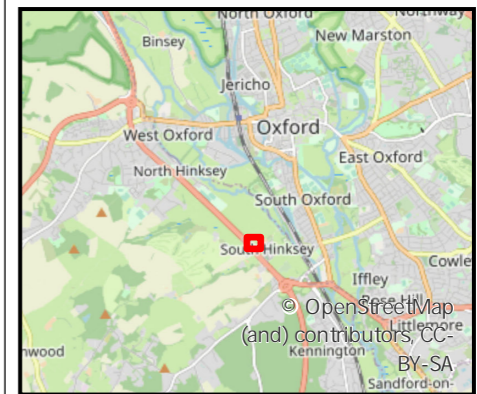
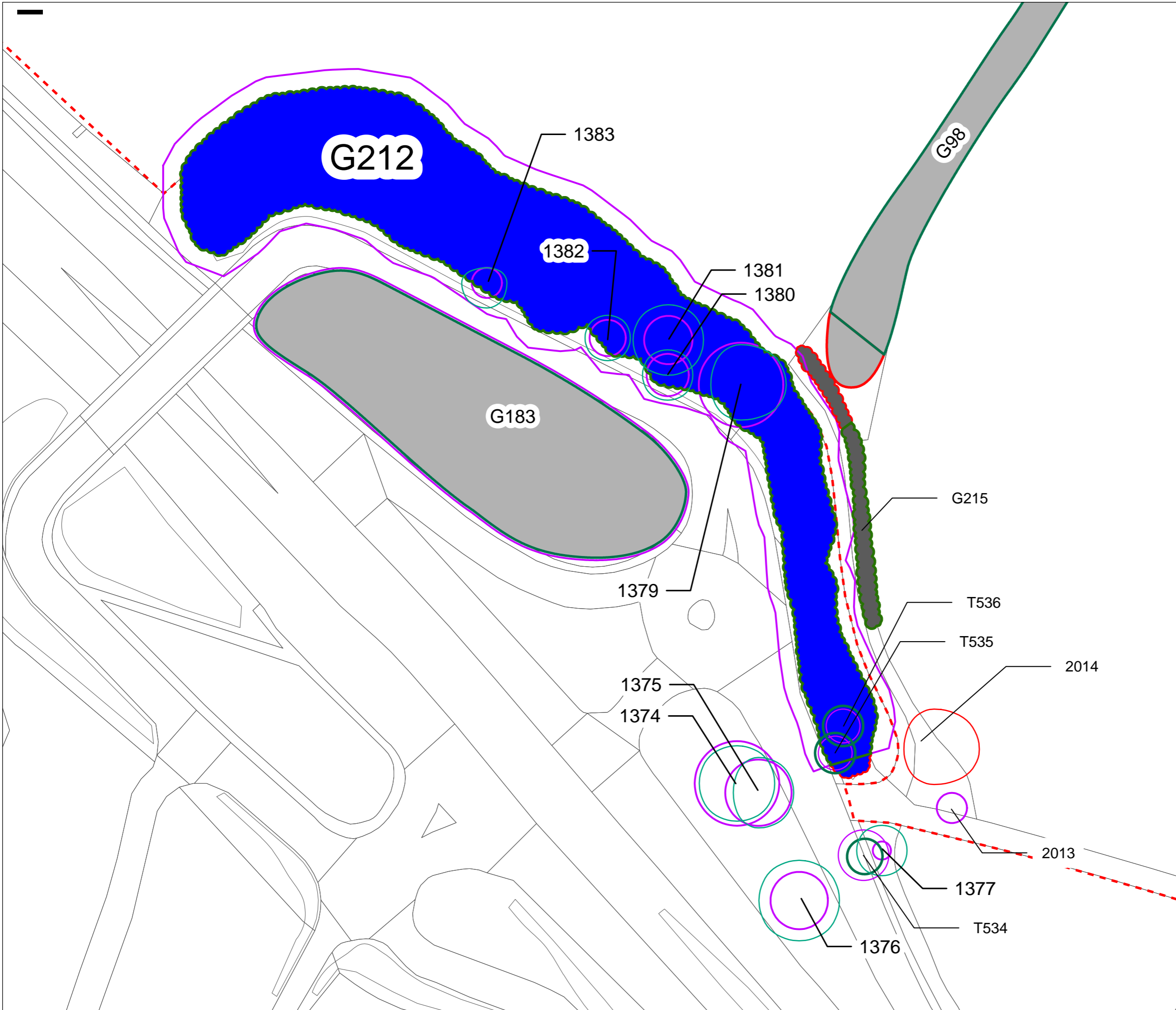
www.jacobs.com
 Project :
 Oxford Flood Alleviation Scheme

Drawing :
 Tree Constraints and Removal Plan

Drawn By : RM	Date: 03/02/2023
Checked By : PS	Date: 03/02/2023
Approved By : PJM	Date: 03/02/2023

Drawing No. : IMSE500177-CH2-XX-00-DR-EN-0775	Revision B
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Drawing Scale : 1:700

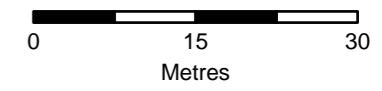


Legend

- Site Boundary
- Category A tree
- Category B tree
- Category C tree
- Category U tree
- Category A group
- Category B group
- Category C group
- Category U group

Management

- Removed
- Retained
- Root protection area
- Scheme Works



Rev	By	Chkd	Apprvd	Date	Description
B	RM	PS	PJM	05/10/22	PLANNING APP RESUBMISSION

Client
 Environment Agency
 Kings Meadow House
 Kings Meadow Road
 Reading
 RG1 8DQ



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 1 Glass Wharf, Bristol BS2 0FF
 Tel: +44 (0)117 457 2500



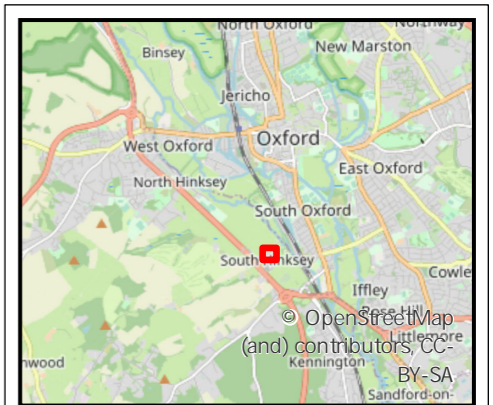
www.jacobs.com
 Project :
Oxford Flood Alleviation Scheme

Drawing :
Tree Constraints and Removal Plan

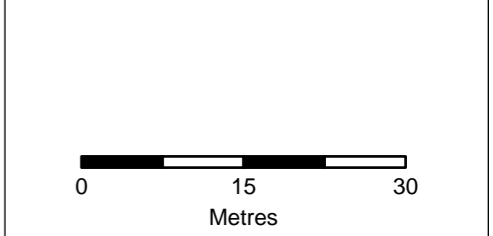
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 Checked By : PS Date: 03/02/2023
 Approved By : PJM Date: 03/02/2023

Drawing No. : IMSE500177-CH2-XX-00-DR-EN-0777 | Revision B

Drawing Scale : 1:700



- Legend**
- Site Boundary
- BS5837 categories**
- | Category A tree
 - | Category B tree
 - | Category C tree
 - | Category U tree
- Management**
- Removed
 - Retained
 - Root protection area
 - Scheme Works



Rev	By	Chkd	Apprvd	Date	Description
B	RM	PS	PJM	05/10/22	PLANNING APP RESUBMISSION

Client
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 Kings Meadow Road
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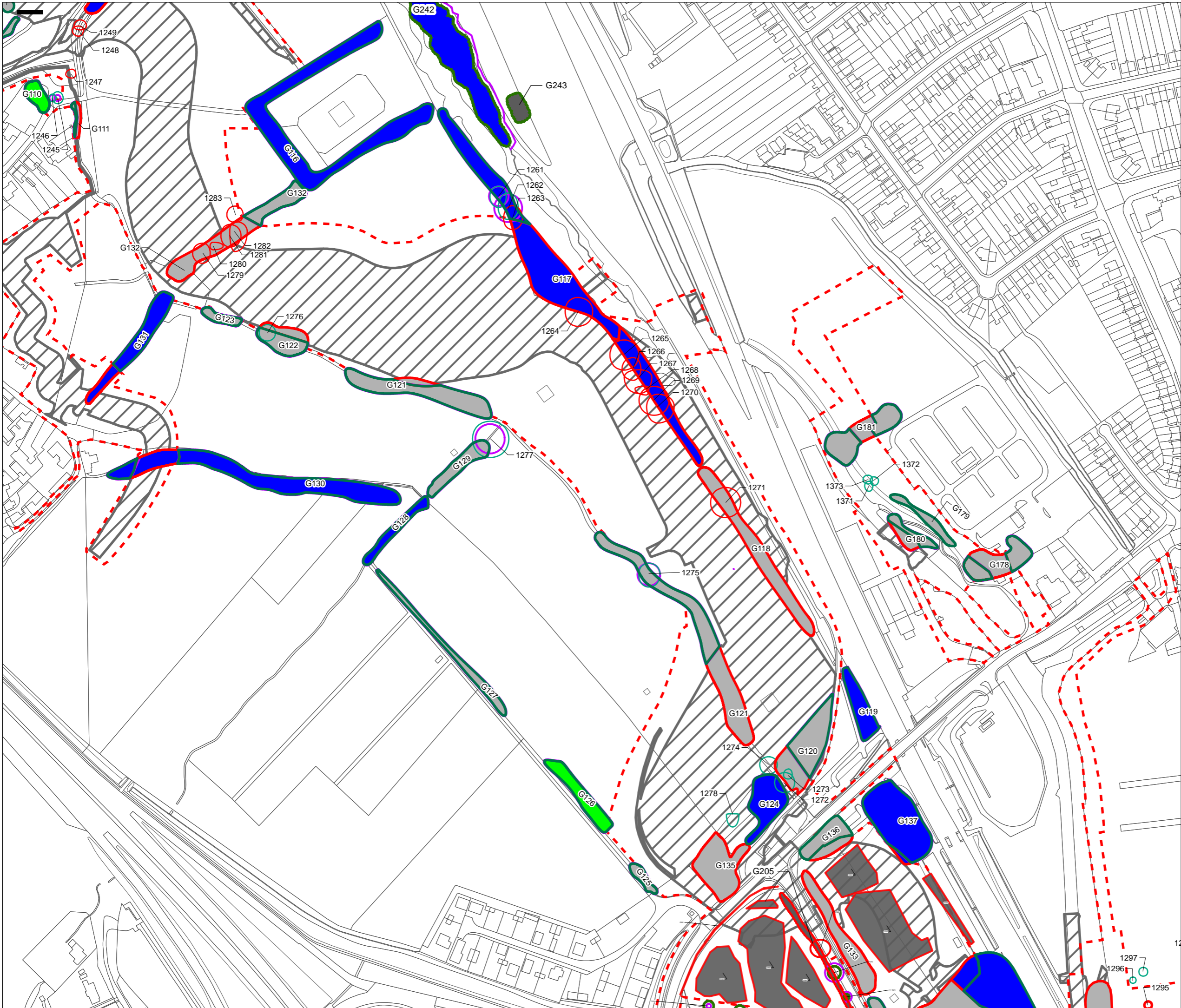


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 Project :
Oxford Flood Alleviation Scheme

Drawing :

Tree Constraints and Removal Plan

Drawn By : RM	Date: 03/02/2023
Checked By : PS	Date: 03/02/2023
Approved By : PJM	Date: 03/02/2023
Drawing No. : IMSE500177-CH2-XX-00-DR-EN-0778	Revision B
Drawing Scale : 1:700	

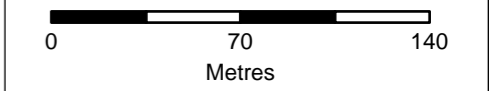


Legend

- Site Boundary
- Category A tree
- Category B tree
- Category C tree
- Category U tree
- Category A group
- Category B group
- Category C group
- Category U group

Management

- Removed
- Retained
- Root protection area
- Scheme Works



Rev	By	Chkd	Apprvd	Date	Description
B	RM	PS	PJM	05/10/22	PLANNING APP RESUBMISSION

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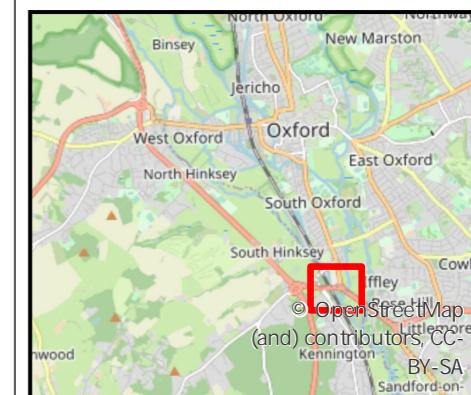
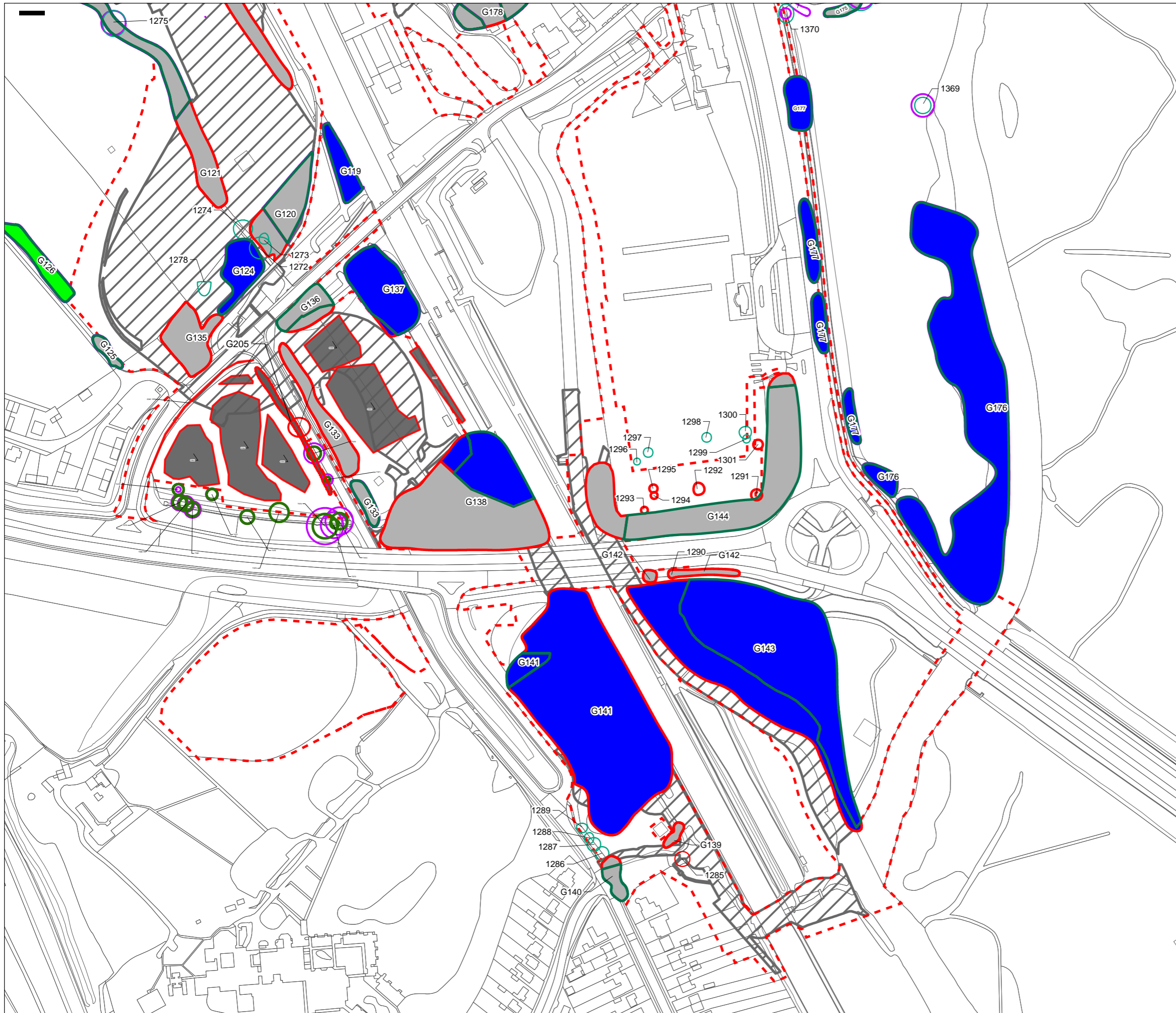
Drawing :

Tree Constraints and Removal Plan

Drawn By : RM	Date: 03/02/2023
Checked By : PS	Date: 03/02/2023
Approved By : PJM	Date: 03/02/2023

Drawing No. : IMSE500177-CH2-XX-00-DR-EN-0779	Revision B
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Drawing Scale : 1:2,800

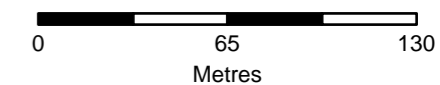


Legend

- Site Boundary
- | Category A tree
- | Category B tree
- | Category C tree
- | Category U tree
- Category A group
- Category B group
- Category C group
- Category U group

Management

- Removed
- Retained
- Root protection area
- Scheme Works



B	RM	PS	PJM	05/10/22	PLANNING APP RESUBMISSION
Rev	By	Chkd	Apprvd	Date	Description

Client

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Project :
Oxford Flood Alleviation Scheme

Drawing :
Tree Constraints and Removal Plan

Drawn By : RM Date: 03/02/2023
Checked By : PS Date: 03/02/2023
Approved By : PJM Date: 03/02/2023

Drawing No. : IMSE500177-CH2-XX-00-DR-EN-0780 | Revision B

Drawing Scale : 1:2,600

7. TREE IMPACT DETAILS

The tree surveys and full details of specific trees and groups of trees are summarised in the Tree Survey Report reference IMSE500177-CH2-XX-00-RP-EN-0716 dated May 2022.

The following table has been produced to present the same information recorded on the plans in Section 6 in tabular form. The table indicates trees and groups of trees which are to be retained or require removal / partial removal as part of the scheme.

Table 7.1 - Summary of Impacts

2017 Tree Survey			
Tree Number	Species	B55837 Category	Status
806	Crack Willow	C1	Removed
807	Ash	B1	Removed
808	Crack Willow	U	Removed
809	Crack Willow	C1	Removed
810	Crack Willow	U	Removed
811	Crack Willow	C1	Removed
812	Crack Willow	U	Removed
813	Crack Willow	C1	Retained
814	Crack Willow	U	Removed
815	Ash	B1	Removed
816	Ash	B1 Int.	Removed
817	Crack Willow	U	Removed
818	Crack Willow	C1	Removed
819	Crack Willow	C1	Removed
820	Crack Willow	C1	Removed
821	Crack Willow	C1	Removed
822	Crack Willow	U	Removed
823	Crack Willow	C1	Removed
824	Crack Willow	B1	Removed
825	Crack Willow	U	Removed
826	Hawthorn	C1	Removed
827	Hawthorn	C3	Removed
828	Crack Willow	U	Removed
829	Crack Willow	U	Removed
830	Crack Willow	C1	Removed
831	Crack Willow	C1	Removed
837	Crack Willow	B1	Removed
838	Crack Willow	C1 Int.	Removed
839	Narrow Leaf Ash	C1	Removed
840	Narrow Leaf Ash	C1	Retained
847	Hawthorn	B1	Removed
848	Ash	U	Removed
849	Crack Willow	U	Removed
850	Crack Willow	U	Removed
851	Crack Willow	U	Removed
852	Crack Willow	U	Removed
853	Crack Willow	U	Retained
854	Crack Willow	U	Retained
855	Crack Willow	U	Removed
856	Crack Willow	U	Removed
860	Already removed by others		
862	Hawthorn	C3	Retained
863	Hawthorn	C3	Retained
864	Silver Birch	B1	Removed
873	Norway Spruce	C1	Removed
874	Ash	B1	Removed
877	Crack Willow	U	Removed
878	Crack Willow	U	Removed
879	Crack Willow	U	Removed
880	Crack Willow	U	Removed
881	Crack Willow	U	Removed
882	Crack Willow	U	Removed
883	Crack Willow	U	Removed
893	Crack Willow	C1	Retained
896	Crack Willow	U	Retained
897	Crack Willow	U	Retained
903	Hawthorn	C1	Removed
913	Hawthorn	C3	Removed
914	Laburnum	U	Removed
915	Crack Willow	U	Removed
916	Crack Willow	U	Removed
917	Ash	C1	Removed
918	Ash	C1	Removed
919	Horse Chestnut	C1	Removed
920	Horse Chestnut	C1	Removed
921	Ash	C1	Removed
922	Hawthorn	C1	Removed
923	Hawthorn	C1	Removed
924	Crack Willow	U	Removed
929	Hawthorn	C1	Removed
949	Hawthorn	C1	Removed
950	Ash	B1	Removed
951	Ash	C1	Removed
952	Crack Willow	C1	Removed
953	Crack Willow	C1	Removed
966	Goat Willow	C1	Retained
967	Goat Willow	C1	Retained
968	Goat Willow	C1	Removed
970	Hawthorn	C1	Removed
971	Blackthorn	B2	Removed
972	Ash	C1	Removed
973	Blackthorn	U	Removed
974	Hawthorn	C1	Removed
1002	Hybrid Black Poplar	B1	Retained
1004	Hybrid Black Poplar	B1	Retained
1006	Crack Willow	U	Removed
1007	Crack Willow	C1	Removed
1008	Crack Willow	U	Removed
1009	Crack Willow	U	Removed
1010	Crack Willow	C1	Removed
1011	Crack Willow	C1	Removed
1012	Crack Willow	C1	Removed
1013	Hawthorn	U	Removed
1014	Crack Willow	U	Removed

1015	Crack Willow	U	Removed
1016	Crack Willow	B1	Removed
1017	Sycamore	C1	Removed
1018	Crack Willow	U	Removed
1019	Crack Willow	U	Removed
1020	Crack Willow	C1	Removed
1021	Crack Willow	C1	Removed
1022	Crack Willow	C1	Removed
1023	Crack Willow	U	Removed
1024	Crack Willow	C1	Removed
1025	Crack Willow	U	Removed
1026	Crack Willow	C1	Removed
1027	Crack Willow	U	Removed
1028	Crack Willow	U	Removed
1029	Crack Willow	C1	Removed
1030	Crack Willow	U	Removed
1031	Crack Willow	C1	Removed
1032	Crack Willow	U	Removed
1033	Crack Willow	U	Removed
1034	Crack Willow	U	Removed
1035	Crack Willow	C1	Removed
1036	Crack Willow	C1	Removed
1037	Crack Willow	U	Removed
1038	Crack Willow	U	Removed
1039	Crack Willow	U	Removed
1040	Crack Willow	C1	Removed
1041	Crack Willow	C1	Removed
1042	Crack Willow	C1	Removed
1103	White Willow	B1 Int.	Removed
1138	Ash	B1	Removed
1139	Crack Willow	U	Removed
1140	Ash	B1	Removed
1141	Crack Willow	U	Removed
1143	Crack Willow	U	Removed
1147	Ash	B1	Removed
1149	Hybrid Black Poplar	B1	Removed
1150	Crack Willow	U	Removed
1151	Crack Willow	C1	Removed
1152	Crack Willow	C1 Int.	Removed
1168	White Willow	B1	Removed
1170	Crack Willow	C1	Removed
1171	Crack Willow	U	Removed
1172	Crack Willow	U	Removed
1173	Crack Willow	U	Removed
1174	Crack Willow	C1	Removed
1175	Ash	B1	Removed
1176	Hybrid Black Poplar	B1	Removed
1177	Ash	C1	Removed
1178	White Poplar	U	Removed
1179	Hybrid Black Poplar	B1	Removed
1180	Hybrid Black Poplar	B1	Removed
1181	White Poplar	C1	Removed
1182	White Poplar	C1	Removed
1181	White Poplar	C1	Removed
1183	White Poplar	B1	Removed
1184	White Poplar	U	Removed
1185	Crack Willow	B1	Removed
1186	Crack Willow	B1	Removed
1187	Crack Willow	C1	Removed
1188	Crack Willow	U	Removed
1189	Crack Willow	U	Removed
1190	Crack Willow	C1	Removed
1191	Crack Willow	C1	Removed
1192	Crack Willow	B1 Int.	Removed
1193	Crack Willow	B1	Removed
1194	Crack Willow	B1	Retained
1202	Crack Willow	C1	Removed
1203	Ash	C1	Removed
1204	Crack Willow	U	Removed
1205	Crack Willow	U	Removed
1206	Crack Willow	C1	Removed
1207	Crack Willow	B1	Removed
1211	Ash	U	Removed
1212	Crack Willow	C1	Removed
1213	Crack Willow	U	Removed
1214	Crack Willow	U	Removed
1215	Crack Willow	C1	Removed
1216	Crack Willow	C1	Removed
1217	Crack Willow	C1	Removed
1218	Crack Willow	U	Removed
1223	Crack Willow	U	Removed
1224	Crack Willow	B1	Removed
1225	Crack Willow	C1	Removed
1226	Crack Willow	C1	Removed
1227	Crack Willow	C1	Removed
1228	Crack Willow	B1	Removed
1229	Ash	B1	Removed
1230	Ash	B1	Removed
1232	Crack Willow	C2	Removed
1233	Ash	B1	Removed
1234	Ash	B1	Removed
1235	Ash	B1	Removed
1236	Ash	B1	Removed
1237	English Oak	B1	Retained
1239	White Willow	B1	Removed
1243	Crack Willow	B1	Removed
1244	Ash	B1	Removed
1247	Crack Willow	U	Removed

1248	Crack Willow	C1	Removed
1249	Crack Willow	C1	Removed
1250	Crack Willow	C1	Removed
1251	Crack Willow	B1 Int.	Removed
1263	Crack Willow	C1	Removed
1264	Goat Willow	C1	Removed
1265	Crack Willow	C1	Removed
1266	Crack Willow	C1	Removed
1267	Crack Willow	C1	Removed
1268	Crack Willow	U	Removed
1269	Crack Willow	U	Removed
1270	Crack Willow	U	Removed
1271	Crack Willow	C1	Removed
1272	Crack Willow	C1	Retained
1273	Crack Willow	C1	Retained
1274	Crack Willow	B1	Retained
1278	Crack Willow	C1	Retained
1279	Crack Willow	U	Removed
1280	Crack Willow	U	Removed
1281	Crack Willow	U	Removed
1282	Crack Willow	U	Removed
1283	Crack Willow	C1	Removed
1285	Sycamore	B1 Int.	Removed
1286	Crack Willow	U	Retained
1287	Crack Willow	U	Retained
1288	Crack Willow	U	Retained
1289	Crack Willow	C1	Retained
1290	Ash	C1	Removed
1291	Ash	B1	Removed
1292	Flowering Cherry	C1	Removed
1293	Ash	C1	Removed
1294	Flowering Cherry	C1	Removed
1295	Flowering Cherry	C1	Removed
1296	Alder	C1	Retained
1297	Alder	B1	Retained
1298	Flowering Cherry	B1	Retained
1299	Alder	C1	Retained
1300	Flowering Cherry	B1	Retained
1301	Flowering Cherry	C1	Removed
1305	Sycamore	B1	Retained
1306	Ash	C1	Removed
1315	Crack Willow	B1	Removed
1316	Sycamore	C1	Removed
1317	Crack Willow	C1	Removed
1318	Crack Willow	C1	Removed
1319	Sycamore	C1	Removed
1320	Sycamore	C1	Removed
1321	Sycamore	C1	Removed
1332	Common Lime	A1	Removed
1344	Ash	C1	Removed
1345	Ash	C1	Removed
1346	Common Lime	A1 Int.	Removed
1347	Common Lime	B1	Removed
1357	Apple	C3	Removed
1358	Apple	C2	Removed
1359	Flowering Cherry	U	Removed
1360	Plum	U	Removed
1361	Ash	C1	Removed
1362	Apple	B1	Removed
1363	White Willow	B1 Int.	Removed
1370	White Poplar	C1	Retained
1371	Alder	C1	Retained
1372	Alder	C1	Retained
1373	Alder	C1	Retained
Tree Groups			
G4	Hawthorn	C3	Removed
G5	Mixed Species	B1, 2, 3	Partially removed
G6	Mixed Species	C3	Retained
G7	Mixed Species	C2, 3	Partially removed
G8	Mixed Species	C2, 3	Partially removed
G9	Crack Willow	C3	Removed
G10	Mixed Species	C2, 3	Partially removed
G11	Crack Willow	U	Removed
G12	Mixed Species	B2	Partially removed
G13	Mixed Species	C2, 3	Retained
G14	Hawthorn	C3	Removed
G15	Mixed Species	B1, 2, 3	Partially removed
G16	Mixed Species	B2, 3	Removed
G19	Mixed Species	C3	Partially removed
G20	Mixed Species	B2, 3	Partially removed
G21	Mixed Species	C3	Partially removed
G23	Mixed Species	C3	Partially removed
G24	Hawthorn	C3	Removed
G26	Crack Willow	U	Retained
G30	Crack Willow	U	Partially removed
G32	Mixed Species	C2, 3	Removed
G39	Hawthorn	C3	Removed
G40	Mixed Species	C2, 3	Partially removed
G54	Mixed Species	B1, 2, 3	Partially removed
G55	Mixed Species	B1, 2, 3	Partially removed
G58	Mixed Species	B1, 2, 3	Partially removed
G59	Mixed Species	C3	Partially removed
G60	Mixed Species	C2, 3	Removed
G64	Mixed Species	C3	Partially removed
G65	Mixed Species	B1, 2, 3	Removed
G66	Mixed Species	B2, 3	Partially removed
G69	Hawthorn	C2, 3	Partially removed
G70	Mixed Species	C2	Removed

G71	Mixed Species	C2	Removed
G72	Mixed Species	B2, 3	Partially removed
G74	Mixed Species	C2, 3	Removed
G78	Mixed Species	B2, 3	Removed
G79	Mixed Species	B2, 3	Removed
G80	Crack Willow	U	Removed
G81	Mixed Species	B1	Removed
G82	Mixed Species	C1	Removed
G83	Mixed Species	C2	Removed
G84	Mixed Species	C2, 3	Partially removed
G86	Mixed Species	C2, 3	Removed
G87	Hawthorn	C2	Removed
G88	Mixed Species	C2	Removed
G89	Mixed Species	C2	Removed
G90	Mixed Species	B2	Partially removed
G92	Mixed Species	C2, 3	Partially removed
G93	Mixed Species	B1, 2	Partially removed
G96	Mixed Species	B2	Removed
G97	Crack Willow	C3	Removed
G98	Cornus sanguinea (Dogwood), Euonymus europaea (Spindle), Fraxinus excelsior (Ash), Malus sp. (Apple), Rubus fruticosus (Bramble), Ulmus procera (English elm)	C3	Partially removed
G99	Mixed Species	C2, 3	Partially removed
G101	Mixed Species	C1, 2	Partially removed
G102	Mixed Species	B1, 2	Partially removed
G107	Mixed Species	B1, 2	Partially removed
G108	Crack Willow	B2, 3	Partially removed
G109	Mixed Species	C3	Partially removed
G112	Mixed Species	B1	Removed
G117	Mixed Species	B2, 3	Partially removed
G118	Hawthorn	C2, 3	Removed
G120	Mixed Species	C2, 3	Partially removed
G121	Mixed Species	C3	Partially removed
G122	Mixed Species	C2, 3	Partially removed
G130	Mixed Species	B2, 3	Partially removed
G131	Mixed Species	B2, 3	Partially removed
G132	Mixed Species	C2, 3	Partially removed
G133	Mixed Species	C2, 3	Removed
G135	Mixed Species	C2, 3	Removed
G136	Mixed Species	C2, 3	Partially removed
G137	Mixed Species	B2, 3	Partially removed
G138	Mixed Species	B2, 3	Partially removed
G139	Sycamore	C2, 3	Removed
G140	Mixed Species	C2, 3	Partially removed
G141	Mixed Species	B2, 3	Partially removed
G142	Mixed Species	C2, 3	Removed
G143	Mixed Species	B2, 3	Partially removed
G144	Mixed Species	A1, 2, 3	Partially removed
G147	Mixed Species	B1, 2, 3	Partially removed
G148	Mixed Species	C1, 2, 3	Partially removed
G149	Mixed Species	C3	Partially removed
G151	Mixed Species	C2, 3	Partially removed
G155	Ash, Hawthorn	C2	Partially removed
G156	Mixed Species	B2, 3	Partially removed
G159	Mixed Species	C2, 3	Retained
G161	Mixed Species	B1, 2	Partially removed
G162	Mixed Species	B1, 2	Removed
G163	Mixed Species	B1, 2	Partially removed
G164	Crack Willow	U	Partially removed
G165	Crack Willow	U	Removed
G170	Mixed Species	C1, 2	Removed
G172	Mixed Species	C2	Removed
G175	Mixed Species	C2	Retained
G178	Mixed Species	C2, 3	Partially removed
G180	Mixed Species	C2, 3	Partially removed
G181	Mixed Species	C2, 3	Partially removed

October 2020 Tree Survey

Tree Number	Species	BS5837 Category	Status
2013	Acer campestre (Field maple)	C1	Removed
2014	Acer pseudoplatanus (Sycamore)	C1	Removed
2032	Fraxinus excelsior (Ash)	U	Retained
Tree Groups			
G205	Crataegus monogyna (Hawthorn), Prunus sp. (Purple leaved cherry/plum), Viburnum lantana (Wayfaring tree)	C2	Removed
G212	Acer campestre (Field maple), Acer pseudoplatanus (Sycamore), Cornus sanguinea (Dogwood), Crataegus monogyna (Hawthorn), Fraxinus excelsior (Ash), Hamamelis sp. (Wych hazel), Malus sp. (Apple)	B2	Partially removed
G215	Acer pseudoplatanus (Sycamore), Hedera helix (Ivy), Rubus fruticosus (Bramble), Sambucus nigra (Elder)	C1	Partially removed
G225	Crataegus monogyna (Hawthorn), Salix fragilis (Crack willow), Sambucus nigra (Elder), Ulmus procera (English elm)	B2	Partially removed
G236	Mixed Species	B1, 2	Partially removed

December 2020 Tree Survey

Tree Number	Species	BS5837 Category	Status
T2	Sorbus	C2	Removed
T3	Sorbus	C2	Removed
T4	Sorbus	C2	Removed
T5	Sorbus	C2	Removed
T9	Hawthorn	C2	Removed
T20	Elder	C2	Removed
T21	Elder	C2	Removed
T24	Willow	B3	Removed
T28	Sorbus	C2	Removed
T29	Willow	B3	Removed
T35	Crack Willow	C2	Removed
T37	Elder	C2	Removed
T39	Willow	C2	Removed
T41	Hawthorn	C2	Removed
T42	Hawthorn	C2	Removed
T43	Willow	C2	Removed

T44	Ash	B2	Removed
T50	Hawthorn	B2	Removed
T51	Hawthorn	B2	Removed
T52	Hawthorn	C2	Removed
T53	Goat willow	B2	Removed
T54	Willow	B2	Removed
T60	Hawthorn	C2	Removed
T61	Hawthorn	C2	Removed
T62	Hawthorn	C2	Removed
T63	Hawthorn	C2	Removed
T64	Ash	C2	Removed
T68	Hawthorn	B2	Removed
T69	Hawthorn	C2	Removed
T70	Hawthorn	B2	Removed
T71	Hawthorn	B2	Removed
T72	Hawthorn	C2	Removed
T73	Hawthorn	C2	Removed
T79	Ash	C2	Removed
T81	Willow	B2	Removed
T82	Willow	B2	Removed
T83	Willow	B2	Removed
T94	Willow	B3	Removed
T144	Willow	U	Removed
T145	Ash	C2	Removed
T146	Willow	U	Removed
T147	Hawthorn	C2	Removed
T148	Willow	C2	Removed
T149	Hawthorn	C2	Removed
T150	Willow	U	Removed
T155	Willow	C2	Removed
T156	Willow	C2	Removed
T158	Willow	C2	Removed
T159	Willow	B2	Removed
T161	Willow	C2	Removed
T162	Willow	C2	Removed
T163	Hawthorn	C2	Removed
T165	Hawthorn	C2	Removed
T166	Willow	C2	Removed
T167	Hawthorn	C2	Removed
T168	Hawthorn	C2	Removed
T169	Sycamore	C2	Removed
T170	Willow	C2	Removed
T171	Hawthorn	C2	Removed
T172	Ash	B2	Removed
T173	Hawthorn	C2	Removed
T174	Hawthorn	C2	Removed
T175	Ash	C2	Removed
T180	Willow	C2	Removed
T181	Ash	B2	Removed
T185	Ash	C2	Removed
T187	Willow	C2	Removed
T188	Willow	C2	Removed
T198	Sycamore	C2	Removed
T266	Willow	C3	Removed
T267	Willow	C3	Removed
T268	Willow	B3	Removed
T269	Willow	B2	Removed
T277	Ash	B2	Removed
T279	Ash	B2	Removed
T283	Hawthorn	C2	Removed
T284	Ash	U	Removed
T285	Hawthorn	C2	Removed
T286	Hawthorn	C2	Removed
T287	Hawthorn	C2	Removed
T288	Willow	B3	Removed
T290	Hawthorn	C2	Removed
T291	Willow	B2	Removed
T294	Hawthorn	C2	Removed
T295	Hawthorn	C2	Removed
T296	Ash	C2	Removed
T297	Hawthorn	C2	Removed
T298	Hawthorn	C2	Removed
T299	Willow	B3	Removed
T300	Willow	B3	Removed
T305	Ash	B3	Removed
T306	Willow	B3	Removed
T345	Lime	B2	Removed
T346	Ash	B2	Removed
T351	Goat willow	C2	Removed
T354	Goat willow	C2	Removed
T355	Goat willow	C2	Removed
T357	Ash	B2	Removed
T358	Hawthorn	C2	Removed
T359	Unknown tree	C2	Removed
T360	Goat willow	C2	Removed
T369	Sugar maple	B2	Removed
Tree Groups			
G301	Hawthorn ash goat willow	C2	Removed
G302	Ash	C2	Removed
G303	Hawthorn	C2	Removed
G304	Hawthorn	C2	Removed
G305	Hawthorn ash	C2	Removed
G306	Ash	C2	Removed
G307	Ash damson	C2	Removed
G308	Hawthorn ash	C2	Removed
G309	Goat willow	C2	Removed
G310	Goat willow ash	C2	Removed
G311	Ash goat willow hawthorn	C2	Removed

G312	Hawthorn willow	C2	Removed
G313	Ash hawthorn	C2	Removed
G314	Ash oak hawthorn	C2	Removed
G328	Hawthorn sycamore ash	C2	Removed
G330	Ash sycamore	C2	Removed
G331	Hawthorn ash	C2	Removed
G332	Ash and hawthorn	C2	Removed
G333	Ash hazel prunus	C2	Removed
G338	Hawthorn sycamore blackthorn	C2	Removed
G339	Horse chestnut ash sycamore hawthorn field maole	C2	Removed
G340	Sycamore ash hawthorn.	C2	Removed
G341	Hawthorn ash	C2	Removed
G342	Willow, sycamore and unidentified ivy clump on standing dead tree	C2	Removed
G343	Ash sycamore hawthorn	C2	Removed
G345	Willows and hawthorn	C2	Removed
G355	Willow	C2	Removed
G356	Goat willow	C2	Removed
G357	Elm elder ash	C2	Removed
G358	Ash oak cherry lime	C2	Removed
G359	Beech ash field maple cherry oak yew lime silver birch	C2	Removed
G360	Birch field maple ash lime alder	C2	Removed
G361	Hawthorn	C2	Removed
G362	Ash silver birch field maple	C3	Removed
G363	Cherry ash oak hazel walnut field maple	C2	Removed
G364	Ash cherry field maple oak silver birch walnut hawthorn blackthorn	C2	Removed
G365	Ash walnut field maple silver birch oak cherry	C2	Removed

July 2021 survey

Tree Number	Species	B55837 Category	Status
T454	Willow	A3	Removed
T455	Ash	B2	Removed
T456	Hawthorn	C2	Removed
T457	Ash	B3	Removed
T459	Willow	C2	Removed
T461	Ash	B2	Removed
T463	Hazel	C2	Removed
T462	Willow	A3	Removed
T464	Willow	A3	Removed
T478	Willow	A3	Removed
T490	Willow	C2	Removed
T499	Willow	A3	Removed
T500	Willow	A3	Removed
T501	Willow	A3	Removed
T502	Willow	B3	Removed
T505	Leyland cypress	B2	Removed
T506	Field maple	B2	Removed
T507	Field maple	B2	Removed
T509	Leyland cypress	B2	Removed
T511	Leyland cypress	B2	Removed
T512	Leyland cypress	B2	Removed
T513	Leyland cypress	B2	Removed
T514	Leyland cypress	B2	Removed
T515	Field maple	B2	Removed
T516	Leyland cypress	B2	Removed
T517	Leyland cypress	B2	Removed
T518	Leyland cypress	B2	Removed
T519	Leyland cypress	B2	Removed
T520	Leyland cypress	B2	Removed
T521	Leyland cypress	B2	Removed
T522	Leyland cypress	B2	Removed
T523	Leyland cypress	B2	Removed
Tree Groups			
G458	Hawthorn	C2	Removed
G460	Hawthorn	C2	Removed
G504	Field maple, willow	C2	Removed
G503	Hawthorn, field maple	C3	Removed

Summary

Total Trees Removed	358
Total Groups of Trees Removed	77
Total Groups of Trees Partially Removed	61