



OXFORD FLOOD ALLEVIATION SCHEME
ARBORICULTURAL METHOD STATEMENT

IMSE500177-CH2-ZZ-ZZ-TN-UT-0738 | P02

January 19, 2022

ENVIRONMENT AGENCY

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P01	22/11/21	Amend file format and update tree removal information for client review	RM	PJM	Draft	
P02	19/01/22	Incorporating client comments	RM	DK	PJM	PJM

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Executive Summary

This Arboricultural Method Statement has been produced in respect of the proposed development of land at, and adjacent to, the River Thames and its tributaries near Oxford City, Oxfordshire.

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.

This document has been prepared to provide thorough knowledge and understanding of the trees present within the site and to provide guidance on how the Oxford Flood Alleviation Scheme can be implemented to avoid and minimise impacts upon retained trees wherever possible.

Section 2 of this report details the specific measures to be adopted to ensure the protection of retained trees during the proposed development.

The site contractor must ensure that they read and understand all of the information within Section 2 prior to commencement of any on-site works.

It should be noted that, as detailed in Section 2.17, the following aspects of the development will be completed under the supervision of a suitably qualified Arboricultural Clerk of Works:

- Installation of ground protection measures where temporary access routes and working areas are required within the Root Protection Areas (RPAs) of retained trees.
- Excavation works within the RPAs of retained trees for the installation of new floodwall foundations.
- Erection of fit for purpose Tree Protection Barriers.

1. Introduction

1.1 PROJECT INTRODUCTION

CH2M (now Jacobs) commissioned Middlemarch Environmental Ltd to compile an Arboricultural Method Statement in respect of the proposed development of land at, and adjacent to, the River Thames and its tributaries near Oxford City in 2017. This Method Statement updates this previous statement to take into account changes in the scheme since this date and incorporates additional tree surveys.

Further details of the surveys are provided in the Arboricultural Impact Assessment reference IMSE500177-CH2-XX-00-RP-EN-0737 dated January 2022.

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.

This document has been prepared to provide thorough knowledge and understanding of the trees present within the site and to provide guidance on how the Oxford Flood Alleviation Scheme can be implemented to avoid and minimise impacts upon retained trees wherever possible.

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 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.

The location of the trees surveyed can be found on the drawings contained within Section 3 of this report.

1.3 TREE RETENTION AND REMOVAL & PRE-DEVELOPMENT TREE WORKS

A number of trees require removal to achieve the proposed development. The trees to be removed are identified on the drawings provided in Section 3 of this Method Statement and in Table 4.1 of this Method Statement.

Overall the proposed development will require the removal of 361 individual trees and 78 groups of trees. The partial removal of a further 57 groups will also be required.

The Scheme has been designed to retain as many trees as possible, as described in the Environmental Statement. The design has also tried to minimize the loss of trees in the temporary working areas, where possible, through the provision of tree protection fencing and constraints on land available to the appointed Contractor. Prior to

commencement of construction a qualified arboriculturalist will work with the contractor to review temporary working areas and whether it is possible to retain any of the trees identified as being lost on the drawings.

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. 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 2024 it is proposed this activity will be carried out closer to the start date.

In addition to proposed tree removal, it will also be necessary to undertake access facilitation pruning works on several retained trees throughout the site. These works will not result in the loss of trees and will be implemented under the supervision of a qualified arboriculturalist.

2. ARBORICULTURAL METHOD STATEMENT

2.1 INTRODUCTION

The following sections of this report detail the specific measures to be adopted to ensure the protection of retained trees during the proposed development.

The site contractor must ensure that they read and understand all of the following sections prior to commencement of any onsite works and all protection and tree works should be undertaken with the supervision of an Arboricultural Clerk of Works.

2.2 CONSTRUCTION EXCLUSION ZONE

The Construction Exclusion Zone is the area considered necessary to ensure that the tree roots and canopy are protected from damage during the construction processes. The extent of the exclusion zone is based upon guidance within BS5837:2012 'Trees in relation to design, demolition and construction – Recommendations'

The exclusion zones are to be defined on-site throughout the course of the development by the use of protective barriers as described below.

The Construction Exclusion Zones are to be afforded protection at all times. Once installed entry to these areas will only be permitted by prior approval via the project Arboricultural Clerk of Works (ACoW).

2.3 PROTECTIVE BARRIERS

The protective barriers will 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. These shall be erected around the RPAs all trees to be retained within the working areas. Signs will be installed on the protective barriers to inform site staff of responsibilities.

The protective barriers are to follow best-recommended practice and be constructed in accordance with the specification detailed in Section 6.2 of BS5837:2012 (Figures 2 and 3). Any variation to the specification of the protective barrier will be agreed upon with the Local Planning Authority Arboricultural Officer and Arboricultural Clerk of Works.

The Construction Contractor will inform an Arboricultural Clerk of Works (hereafter referred to as the Project Arboriculturist) when the protective barriers are being installed and the Project Arboriculturist will attend the site to confirm that they are being installed around RPAs indicated on the plans. The Local Planning Authority will be notified in writing once this inspection has been undertaken.

The barriers will remain in place until the completion of each section of the development and then they will only be removed with the consent of the Project Arboriculturist and Local Planning Authority to permit completion of the scheme.

Other than works detailed within this method statement or approved in writing by the Local Planning Authority no works, including storage or dumping of materials, shall take place within the Construction Exclusion Zone as defined by the protective barriers.

2.4 GROUND PROTECTION

It has not been determined what the loading of the temporary access route is likely to be at this stage. Any ground protection to be installed in the vicinity of trees must be capable of supporting the expected loads and avoid compaction and damage to the soil. In this respect, the following examples provide adequate suspension of loads within the Root Protection Areas (RPAs) of retained trees. The ground protection might comprise one of the following:

1. For pedestrian movements only, a single thickness of scaffold boards placed either on top of a driven scaffold frame, so as to form a suspended walkway, or on top of a compression-resistant layer (e.g. 100 mm depth of woodchip), laid onto a geotextile membrane.
2. For pedestrian-operated plants up to a gross weight of 2 t, proprietary, inter-linked ground protection boards placed on top of a compression-resistant layer (e.g. 150 mm depth of woodchip), laid onto a geotextile membrane.
3. For wheeled or tracked construction traffic exceeding 2 t gross weight, an alternative system (e.g. proprietary systems or pre-cast reinforced concrete slabs) to an engineering specification designed in conjunction with arboricultural advice, to accommodate the likely loading to which it will be subjected.

Where ground protection is required on-site, it shall be installed, under the supervision of the Project Arboriculturalist, in accordance with the following methodology:

1. Prior to the commencement of the works the location of the ground protection will be marked out and investigated to identify if any existing services are present.
2. The existing ground cover and vegetation present within the area will be carefully stripped/strimmed using hand tools.
3. The exposed soil will be covered with a permeable geotextile membrane. The geotextile layer shall be laid with overlaps of 300 mm beyond the edge of the proposed extent of the ground protection and it shall be temporarily retained with pins, stakes, or weights.
4. A 200mm deep layer of woodchip shall then be placed over the geotextile membrane, any plant equipment used to facilitate this must only operate from areas of existing hardstanding outside the RPAs of retained trees.
5. The edges of the woodchip-filled area shall be retained by timber boards staked into place with road pins or similar.
6. The track mat system shall then be installed on top of the woodchip layer. The track mats shall be transported to the working area from the existing areas of hardstanding outside the RPAs of retained trees. Where plant equipment is required to assist in placing the track mats it must only operate from the ground outside the RPAs of retained trees.

Ground protection measures for the temporary access routes throughout the site are to remain in-situ until the completion of works in those areas.

2.5 PRECAUTIONS IN RESPECT OF TEMPORARY WORKS

There are no aspects of the development which are expected to require temporary access to the exclusion zones defined by the protective fencing.

If temporary access is required to the exclusion zone or the RPA of a retained tree then such access will only be gained after consultation with the Project Arboriculturist and/or the Local Planning Authority (see Section 2.17 for contact details).

2.6 ACCESS DETAILS

Construction Vehicles

It is understood that construction access to the site will be provided along with the existing road networks. As noted, 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. 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. This will be supervised by the Project Arboriculturist.

Pedestrians

It is understood that pedestrian access to the site during construction will utilise the existing road and path network.

2.7 CONTRACTORS CAR PARKING

The contractor's car parking is to be provided within the site in locations well away from the retained trees in designated compound areas.

No car parking will be provided within the Construction Exclusion Zones.

Should the demand for car parking exceed the available area alternative offsite parking arrangements will be made.

2.8 SITE COMPOUND

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

It should be noted that one of the areas designated as a temporary site compound is the Minns Estate car parking area which is currently occupied by several retained trees. In this respect, where the provision of a site compound is required adjacent to tree numbers 841-846, no excavation or construction works shall be undertaken in proximity to the retained trees.

The existing hardstanding of the car park shall be retained to provide ground protection for the retained trees. Where the erection of cabins is required in this area, this shall be undertaken from areas outside the RPAs of retained trees.

The remaining site compounds are to be located outside of the Construction Exclusion Zone and their establishment must not cause harm to retained trees.

2.9 STORAGE SPACE

Areas of material storage are to be situated at various satellite compounds throughout the site temporary working areas, these have been taken into account in the drawings presented in Section 3.

The site storage areas are to be located outside of the Construction Exclusion Zone and their establishment must not cause harm to retained trees.

2.10 INFRASTRUCTURE REQUIREMENTS

Examination of the proposed plans and details of existing underground services shows that the new underground services will primarily be located outside of retained trees RPAs and that connections will be made into existing services in areas outside of the Construction Exclusion Zone. 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 pollarded back. The contractor will work with Scottish and Southern Electric to confirm if this is possible

If further underground services are to be installed or modified within the RPA of a retained tree then the Project Arboriculturist will be consulted (see Section 2.17 for contact details). The methodology for the installation, maintenance, or removal of any services within an RPA will be in accordance with NJUG Volume 4 'Guidelines for the Planning, Installation, and Maintenance of Utility Services in Proximity to Trees'. This will include hand-dug "broken" trenches to ensure that maximum protection is given to tree roots.

2.11 DEMOLITION, HARD SURFACE REMOVAL & REMOVAL OF STRUCTURES

The demolition and removal of Towles Mill Weir are 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.

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

2.12 NEW HARD SURFACES

There are no areas throughout the site where new hard surfaces are to be installed within the RPAs of retained trees. As such, no specific construction methodology is required for the installation of new hardstanding on site.

2.13 SITE GRADIENTS

It is understood that to prevent damage occurring to retained trees, no alterations of soil level will take place within the exclusion zones as defined by the protective barriers.

If site gradient alterations within the RPA of any retained tree are required then the Project Arboriculturist will be consulted for advice.

2.14 CONSTRUCTION OF STRUCTURES WITHIN THE RPA/CONSTRUCTION EXCLUSION ZONE

Floodwalls and Floodgates

The construction of new flood walls will require works within the RPAs of a number of retained trees. It is understood that excavations for the foundations of flood walls will be approximately 900 mm in depth. With respect to the installation of new floodwalls and floodgates, the following methodology shall be adhered to:

1. Where excavation is required within the RPAs of retained trees, these works shall be undertaken under arboricultural supervision.
2. All necessary excavations will be carried out using a small (<1.5 ton) digger with a toothless bucket. To achieve the desired depth, the digger will excavate at 50 mm intervals to minimise potential damage to tree roots.
3. Any insignificant roots (i.e. <25 mm in diameter) will be cut using secateurs, making clean cuts. Any major roots (>25 mm in diameter) uncovered shall only be severed with approval from the Project Arboriculturist.
4. Once the desired depth is reached, foundations shall be constructed according to the contractor's specifications.
5. Where concrete foundations are to be installed in proximity to the roots of retained trees, these will be sleeved to prevent contamination of surrounding soil.
6. Following the installation of foundation pads, vertical bars shall be installed and excavated pits backfilled to desired levels.

Accommodation Bridges

Where construction of proposed accommodation bridges requires the installation of new hardstanding within the RPAs of retained trees, the working principles detailed in Section 2.12 shall be adhered to.

Where foundations are to be installed within the RPAs of retained trees, the locations for foundations shall be excavated using hand tools. Any roots measuring less than 25 mm in diameter uncovered during excavation shall be severed beyond the boundary of excavation, making clean cuts with suitably sharp tools.

Where roots greater than 25 mm in diameter are encountered, these shall only be severed following consultation with the Project Arboriculturist and/or the Local Planning Authority.

Foundation pits shall be lined with an impermeable membrane prior to backfilling. Materials for the installation of new foundations and hardstanding are to be brought to the working area by hand using areas of installed ground protection or from outside the RPAs of retained trees. No materials are to be stored on areas of unprotected ground within the RPAs of retained trees.

Fencing

1. The exact route of the proposed fencing shall be marked out in conjunction with the Project Arboriculturist.
2. Particular attention will be given to the location of all fence posts to ensure that no fence posts are sited within 1.0 m of the stem of any retained tree.
3. Excavation for the fence post holes will be completed using a pedestrian-operated post hole borer or manually using hand-held tools.
4. If any roots are damaged during the excavation for the fence posts they will be cut using sharp cutting tools such as bypass secateurs or handsaws to leave a clean wound with as small a surface area as possible. No roots greater than 25 mm in diameter will be cut without the agreement of the Project Arboriculturist.
5. The holes excavated for the fence posts shall be lined with an impermeable membrane to prevent concrete from leaching into the surrounding soil.
6. The fence posts shall be installed. All fence posts and other materials will be brought to the working area by hand. No vehicle movements over the unprotected ground will be permitted.
7. Once the fence posts are securely in place the fence panels shall be brought to the working area by hand and affixed into place. No storage of fence panels shall occur on areas of unprotected ground.

2.15 SOFT LANDSCAPING

Any soft landscaping within the exclusion zone will be undertaken by hand. A 500 mm radius from any tree trunk will remain uncovered by turf or other plantings to allow penetration of water and air into the soil.

2.16 USE OF HERBICIDES

Any herbicide used during the development works shall be systemic, spot applied and mixed according to manufacturers' recommendations.

2.17 ON-SITE MONITORING REGIME

All operations will be monitored by the main contractor and Project Arboriculturalist. The main contractor will ensure that all works within this document are followed (this will be built into the contract specification).

If any issues arise in relation to the retained trees the Project Arboriculturist will be contacted for advice.

Induction and Personnel Awareness

Details of tree protection and methods of working around trees will be included within site inductions to new members of site staff.

A copy of this document and the related Tree Protection Plan will be kept on-site and accessible to staff.

Monitoring/Audits

A pre-commencement site meeting will be arranged between the contractor, Project Arboriculturist and any other interested party. During this meeting, all outstanding items will be finalised and these will be communicated to the Local Planning Authority.

An inspection audit will be undertaken by a suitably experienced Arboriculturist once the protective barriers have been installed. Feedback will be provided to the Local Planning Authority Arboricultural Officer on completion of this visit. Following this, monthly audits of the tree protection will be undertaken.

Works Requiring Arboricultural Supervision

The following aspects of the development will be completed under the supervision of the Project Arboriculturist suitably qualified in arboriculture:

- Installation of ground protection measures where temporary access routes and working areas are required within the RPAs of retained trees.
- Excavation works within the RPAs of retained trees for the installation of new floodwall foundations.

2.18 USE OF SUBCONTRACTORS

The main contractor will be responsible for ensuring sub-contractors do not carry out any process or operation that is likely to adversely impact any tree on site.

2.19 CONTINGENCY PLAN FOR SOIL CONTAMINATION

Water will be readily available on-site and will be used to flush spilled materials through the soil and avoid contamination to tree roots. Spilled materials must not be flushed towards any existing or proposed watercourses, or into areas of groundwater. At the time of any spillage, the main contractor will contact the Project Arboriculturist for advice.

2.20 REMEDIAL TREE WORKS AND TREE REMOVAL

All tree works are to be completed prior to commencement of construction works and installation of the protective barriers. The trees and groups of trees to be removed are shown on the drawings in Section 3 and detailed in Table 4.1.

All tree works are to be completed by suitably qualified and insured arboricultural contractors in accordance with BS3998:2010 'Tree Work – Recommendations.

Where the removal of tree stumps is required and the works will be undertaken within 15 m of any retained tree then they will be ground out using a proprietary stump grinder and they will not be removed by winching or mechanical excavation.

In accordance with Sections, 7.3 and 8.3 of the Environmental Statement (December 2021) 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 mitigation planting for the scheme are further outlined in the Environmental Statement Appendix F.

A Landscape and Habitat Management Plan has also been submitted as part of the planning application which details the five-year management plans and establishment of the landscape and habitats associated with the Scheme. The plan also provides details for principles of long-term management with regard to mitigation tree planting and habitat creation.

2.21 RESPONSIBILITIES

It will be the responsibility of the ECC PM (The Client's Construction Manager responsible for the contract) or the Environment Agency Project Manager to ensure that the planning conditions attached to the planning consent are adhered to at all times and that a monitoring regime in regards to tree protection is adopted on-site.

The main contractor will be responsible for contacting the Local Planning Authority should any issues be raised related to the trees on site.

If pruning works to trees, surplus to the works already detailed in Table 4.1, are required at any time then permission must be sought from the Local Planning Authority first and then the works must be carried out in accordance with BS3998:2010 'Recommendations for Tree Work'.

The main contractor will ensure the build sequence is appropriate to ensure that no damage occurs to the trees during the construction processes. Protective barriers will remain in position until the completion of all construction works on the site.

The barriers and signs will be maintained in position at all times and checked on a regular basis by a designated person on site.

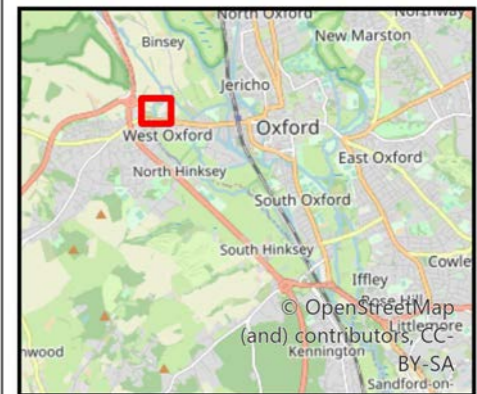
2.22 GENERAL PRECAUTIONS

Materials that are likely to have an adverse effect on tree health such as oil, bitumen or cement will be stored or mixed within bunded structures to contain any spillages and prevent contamination of retained trees. No fires will be lit within 20 m of the trunk of any tree that is to be retained.

3. 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 A – Overall Plan
2. IMSE500177-CH2-XX-00-DR-EN-0741 Revision A – Tree Constraints and Removal Plan
3. IMSE500177-CH2-XX-00-DR-EN-0742 Revision A – Tree Constraints and Removal Plan
4. IMSE500177-CH2-XX-00-DR-EN-0743 Revision A – Tree Constraints and Removal Plan
5. IMSE500177-CH2-XX-00-DR-EN-0744 Revision A – Tree Constraints and Removal Plan
6. IMSE500177-CH2-XX-00-DR-EN-0745 Revision A – Tree Constraints and Removal Plan
7. IMSE500177-CH2-XX-00-DR-EN-0746 Revision A – Tree Constraints and Removal Plan
8. IMSE500177-CH2-XX-00-DR-EN-0747 Revision A – Tree Constraints and Removal Plan
9. IMSE500177-CH2-XX-00-DR-EN-0748 Revision A – Tree Constraints and Removal Plan
10. IMSE500177-CH2-XX-00-DR-EN-0749 Revision A – Tree Constraints and Removal Plan
11. IMSE500177-CH2-XX-00-DR-EN-0750 Revision A – Tree Constraints and Removal Plan
12. IMSE500177-CH2-XX-00-DR-EN-0751 Revision A – Tree Constraints and Removal Plan
13. IMSE500177-CH2-XX-00-DR-EN-0752 Revision A – Tree Constraints and Removal Plan
14. IMSE500177-CH2-XX-00-DR-EN-0753 Revision A – Tree Constraints and Removal Plan
15. IMSE500177-CH2-XX-00-DR-EN-0754 Revision A – Tree Constraints and Removal Plan
16. IMSE500177-CH2-XX-00-DR-EN-0755 Revision A – Tree Constraints and Removal Plan
17. IMSE500177-CH2-XX-00-DR-EN-0756 Revision A – Tree Constraints and Removal Plan
18. IMSE500177-CH2-XX-00-DR-EN-0757 Revision A – Tree Constraints and Removal Plan
19. IMSE500177-CH2-XX-00-DR-EN-0758 Revision A – Tree Constraints and Removal Plan
20. IMSE500177-CH2-XX-00-DR-EN-0759 Revision A – Tree Constraints and Removal Plan
21. IMSE500177-CH2-XX-00-DR-EN-0760 Revision A – Tree Constraints and Removal Plan

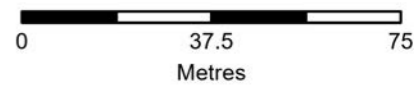


Legend

- 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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Project :
Oxford Flood Alleviation Scheme

Drawing :
Tree Constraints and Removal Plan

Drawn By : RK Date: 31/01/2022

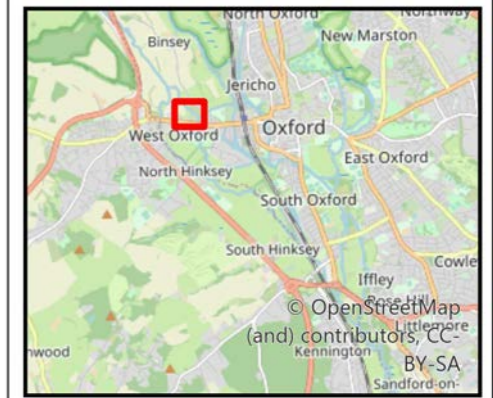
Checked By : CM Date: 31/01/2022

Approved By : GH Date: 31/01/2022

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 IMSE500177-CH2-XX-00-DR-EN-0741

Revision
 A

Drawing Scale : 1:1,500

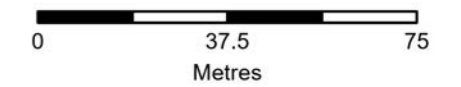


Legend

- Site Boundary
- BS5837 categories**
- Category A tree
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Management

- Removed
- Retained
- Root protection area
- Scheme Works



Rev	By	Chkd	Apprvd	Date	Description

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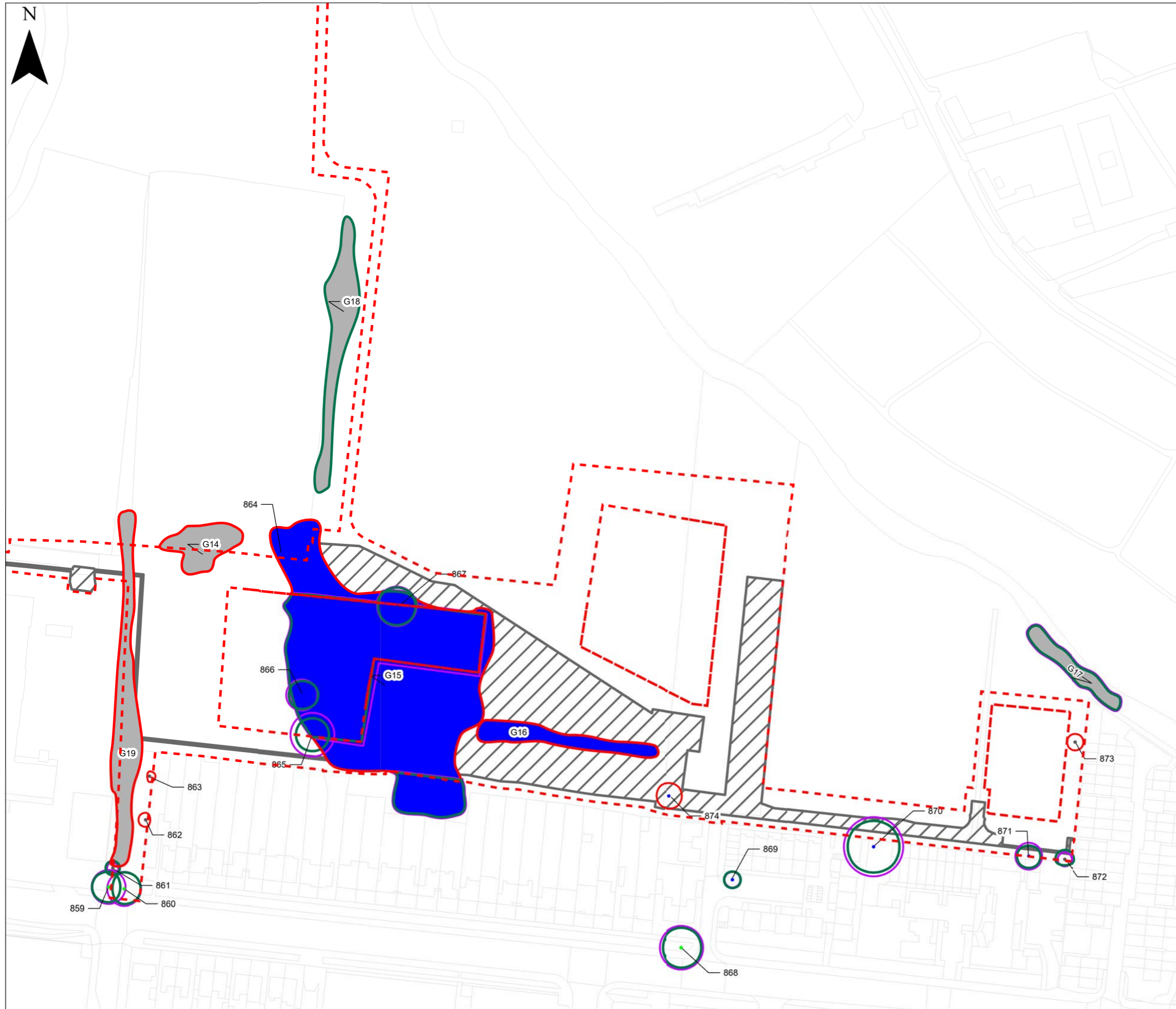
Project :
Oxford Flood Alleviation Scheme

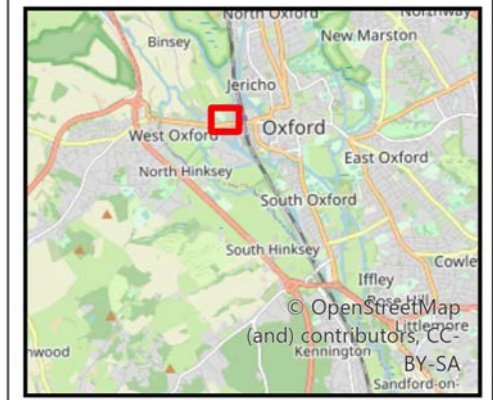
Drawing :
Tree Constraints and Removal Plan

Drawn By : RK Date: 31/01/2022
Checked By : CM Date: 31/01/2022
Approved By : GH Date: 31/01/2022










Drawing No. : IMSE500177-CH2-XX-00-DR-EN-0742 Revision
A

Drawing Scale : 1:1,500






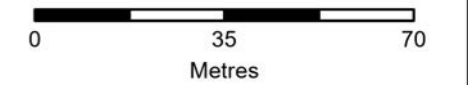


Legend

-  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

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



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



www.jacobs.com

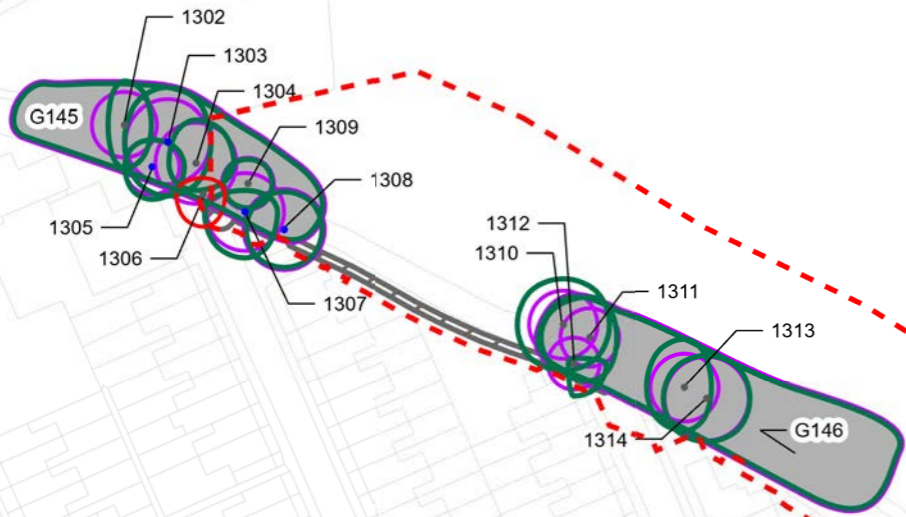
Project :
Oxford Flood Alleviation Scheme

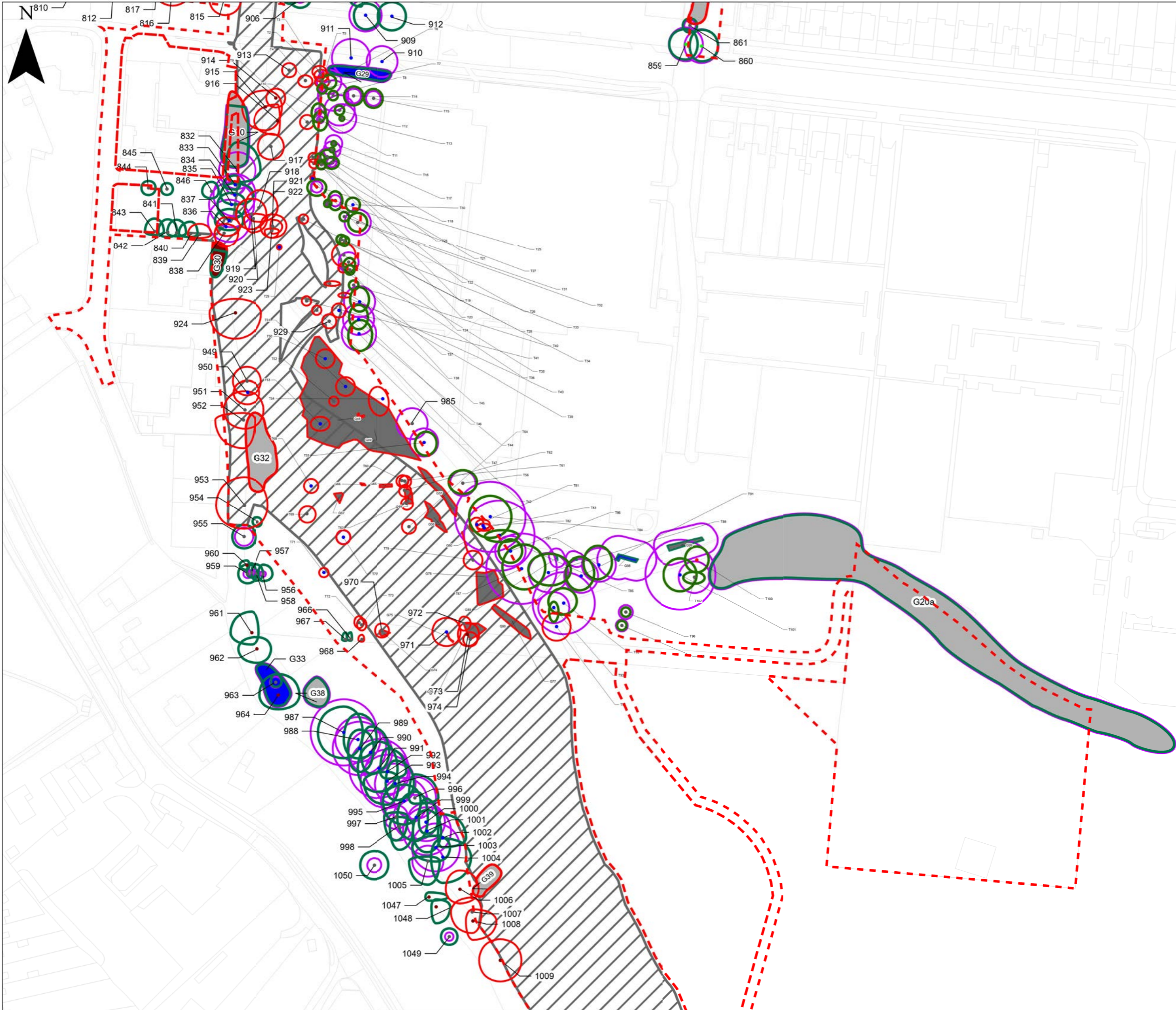
Drawing :
Tree Constraints and Removal Plan

Drawn By : RK Date: 31/01/2022
 Checked By : CM Date: 31/01/2022
 Approved By : GH Date: 31/01/2022

Drawing No. : IMSE500177-CH2-XX-00-DR-EN-0743 Revision
A

Drawing Scale : 1:1,400



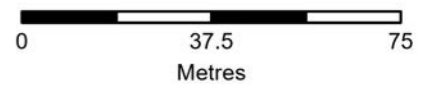


Legend

- 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

Management

- Removed
- Retained
- Root protection area
- Scheme Works



Rev	By	Chkd	Apprvd	Date	Description

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



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



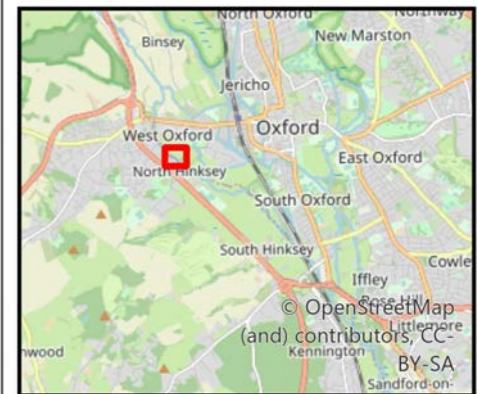
www.jacobs.com
 Project :
Oxford Flood Alleviation Scheme

Drawing :
Tree Constraints and Removal Plan

Drawn By : RK Date: 31/01/2022
 Checked By : CM Date: 31/01/2022
 Approved By : GH Date: 31/01/2022

Drawing No. :
 IMSE500177-CH2-XX-00-DR-EN-0744 Revision
A

Drawing Scale : 1:1,500

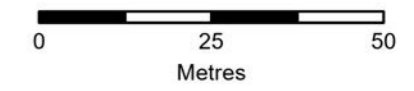


Legend

- 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

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



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



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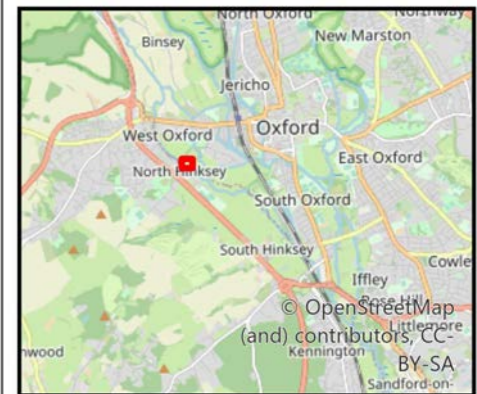
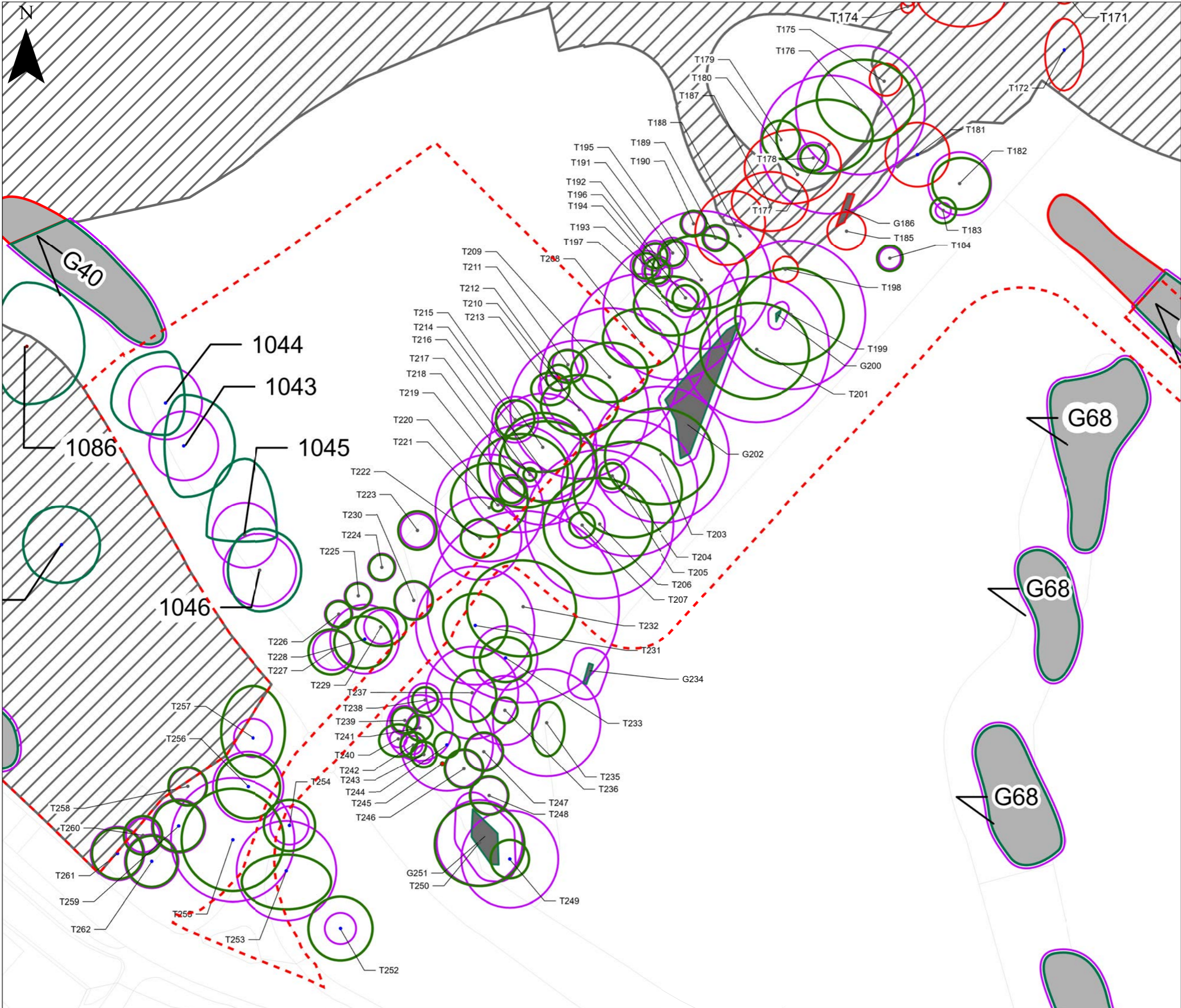
Project :
Oxford Flood Alleviation Scheme

Drawing :
Tree Constraints and Removal Plan

Drawn By : RK Date: 31/01/2022
 Checked By : CM Date: 31/01/2022
 Approved By : GH Date: 31/01/2022

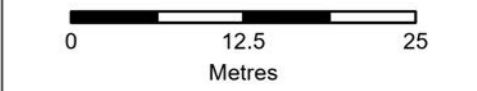
Drawing No. : IMSE500177-CH2-XX-00-DR-EN-0745 Revision
A

Drawing Scale : 1:1,100



Legend

- Site Boundary (Red dashed line)
- BS5837 categories**
 - Category A tree (Green dot)
 - Category B tree (Blue dot)
 - Category C tree (Black dot)
 - Category U tree (Red dot)
 - Category A group (Green outline)
 - Category B group (Blue outline)
 - Category C group (Grey outline)
 - Category U group (Red outline)
- Management**
 - Removed (Red outline)
 - Retained (Green outline)
 - Root protection area (Purple outline)
 - Scheme Works (Hatched area)



Rev	By	Chkd	Apprvd	Date	Description

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



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



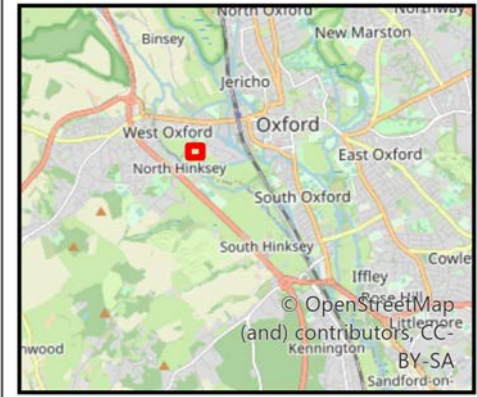
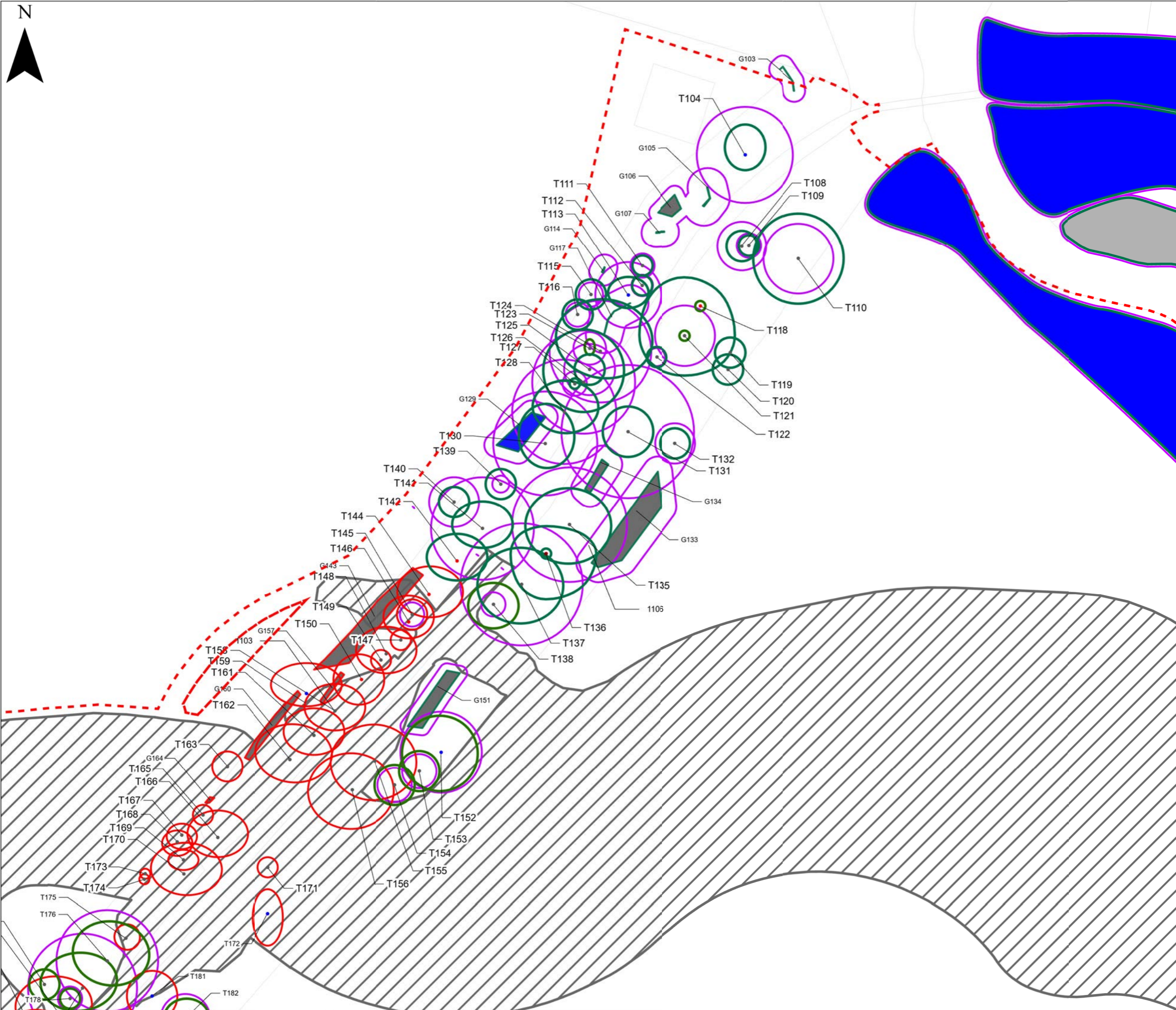
www.jacobs.com
 Project :
Oxford Flood Alleviation Scheme

Drawing :
Tree Constraints and Removal Plan

Drawn By : RK Date: 31/01/2022
 Checked By : CM Date: 31/01/2022
 Approved By : GH Date: 31/01/2022

Drawing No. : IMSE500177-CH2-XX-00-DR-EN-0746 Revision : A

Drawing Scale : 1:550

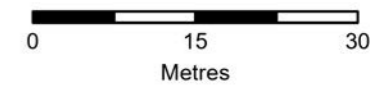


Legend

- 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

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



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



www.jacobs.com

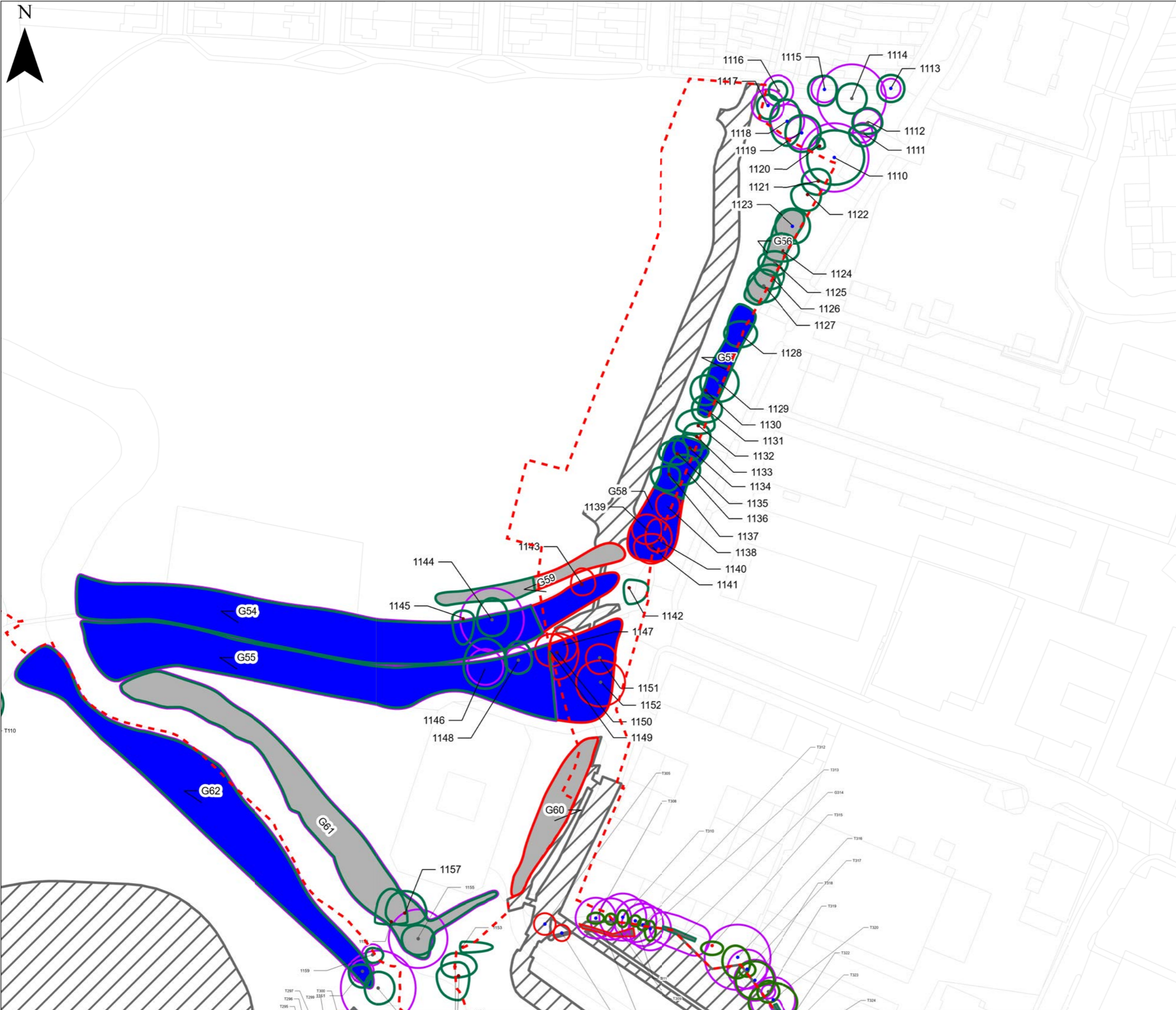
Project :
Oxford Flood Alleviation Scheme

Drawing :
Tree Constraints and Removal Plan

Drawn By : RK Date: 31/01/2022
 Checked By : CM Date: 31/01/2022
 Approved By : GH Date: 31/01/2022

Drawing No. : IMSE500177-CH2-XX-00-DR-EN-0747 Revision : **A**

Drawing Scale : 1:700

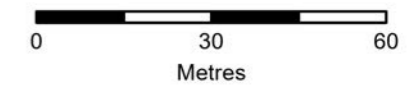


Legend

- 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

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



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



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Project :
Oxford Flood Alleviation Scheme

Drawing :
Tree Constraints and Removal Plan

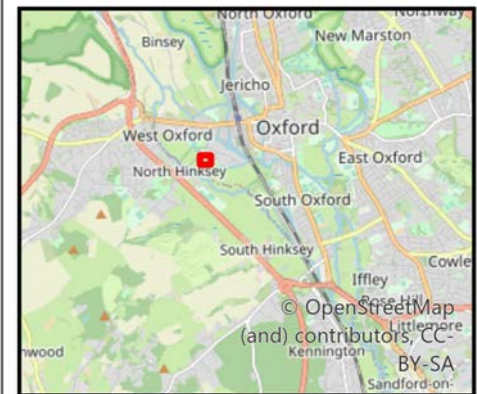
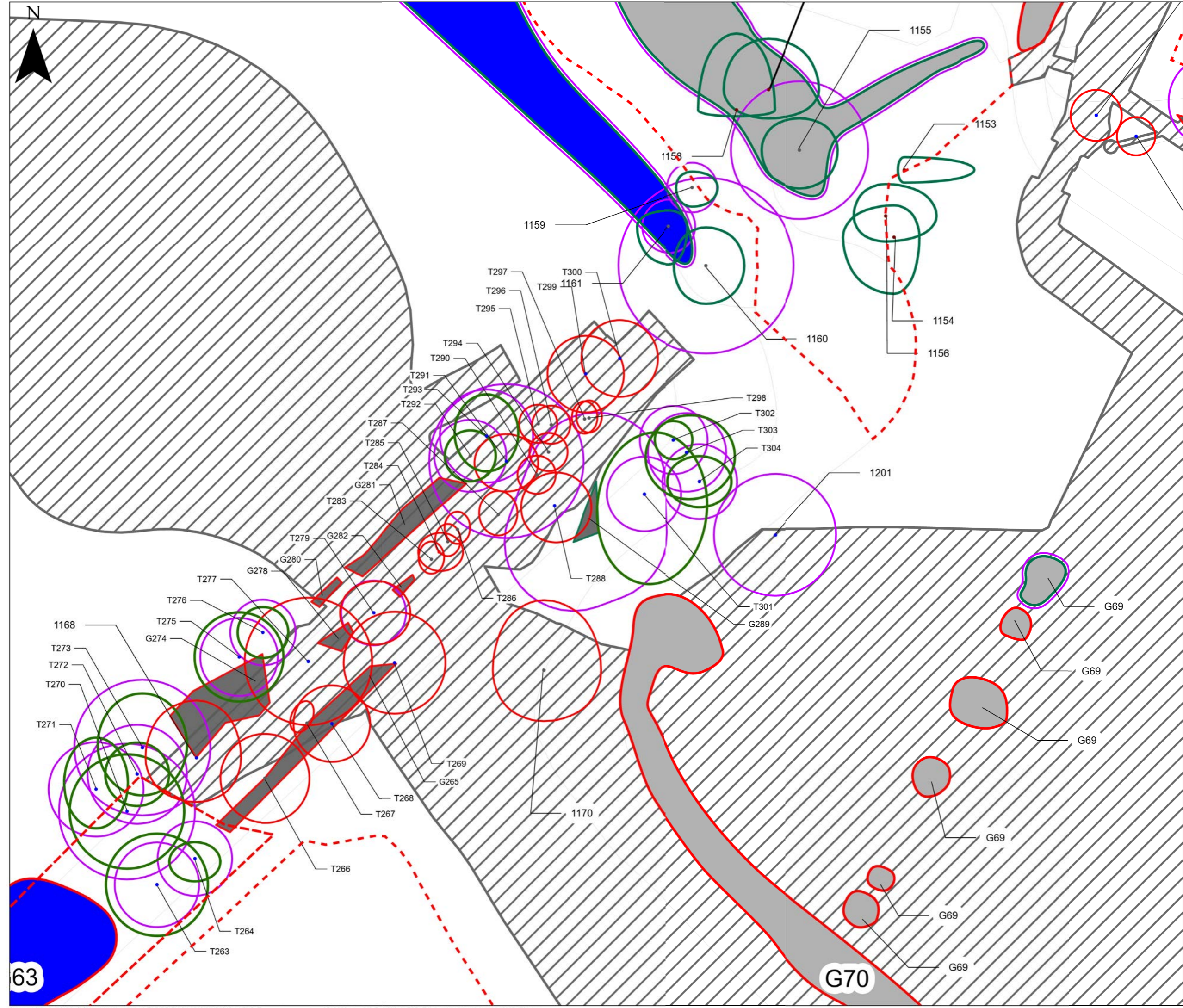
Drawn By : RK Date: 31/01/2022

Checked By : CM Date: 31/01/2022

Approved By : GH Date: 31/01/2022

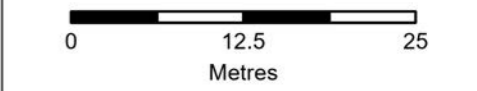
Drawing No. : IMSE500177-CH2-XX-00-DR-EN-0748 Revision
 A

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

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



Jacobs
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 Tel: +44 (0)117 457 2500



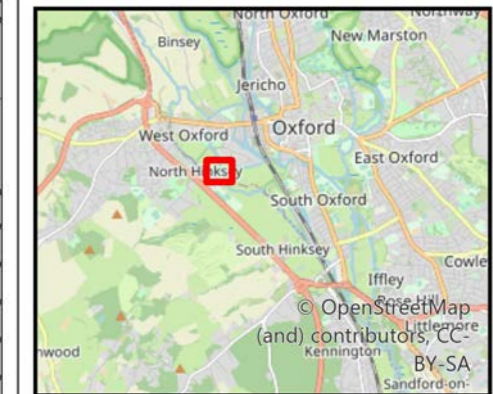
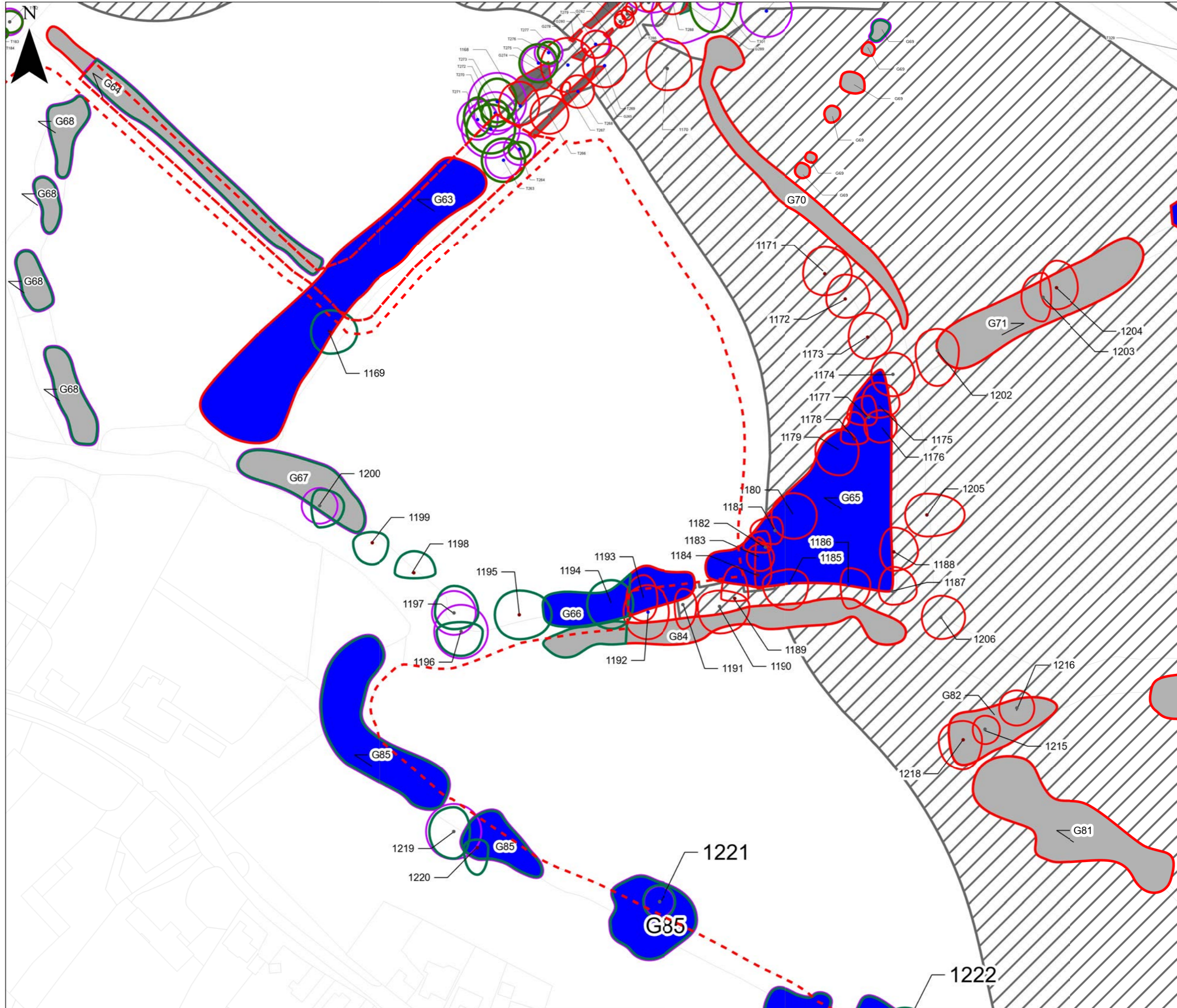
www.jacobs.com
 Project :
 Oxford Flood Alleviation Scheme

Drawing :
 Tree Constraints and Removal Plan

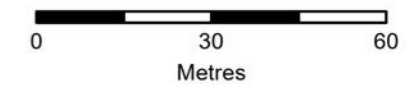
Drawn By : RK Date: 31/01/2022
 Checked By : CM Date: 31/01/2022
 Approved By : GH Date: 31/01/2022

Drawing No. : IMSE500177-CH2-XX-00-DR-EN-0749 Revision
 A

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

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



Jacobs
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 Tel: +44 (0)117 457 2500



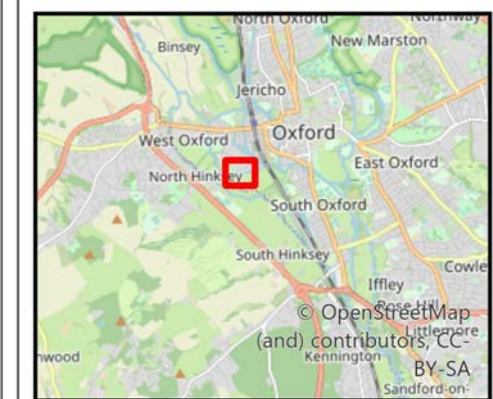
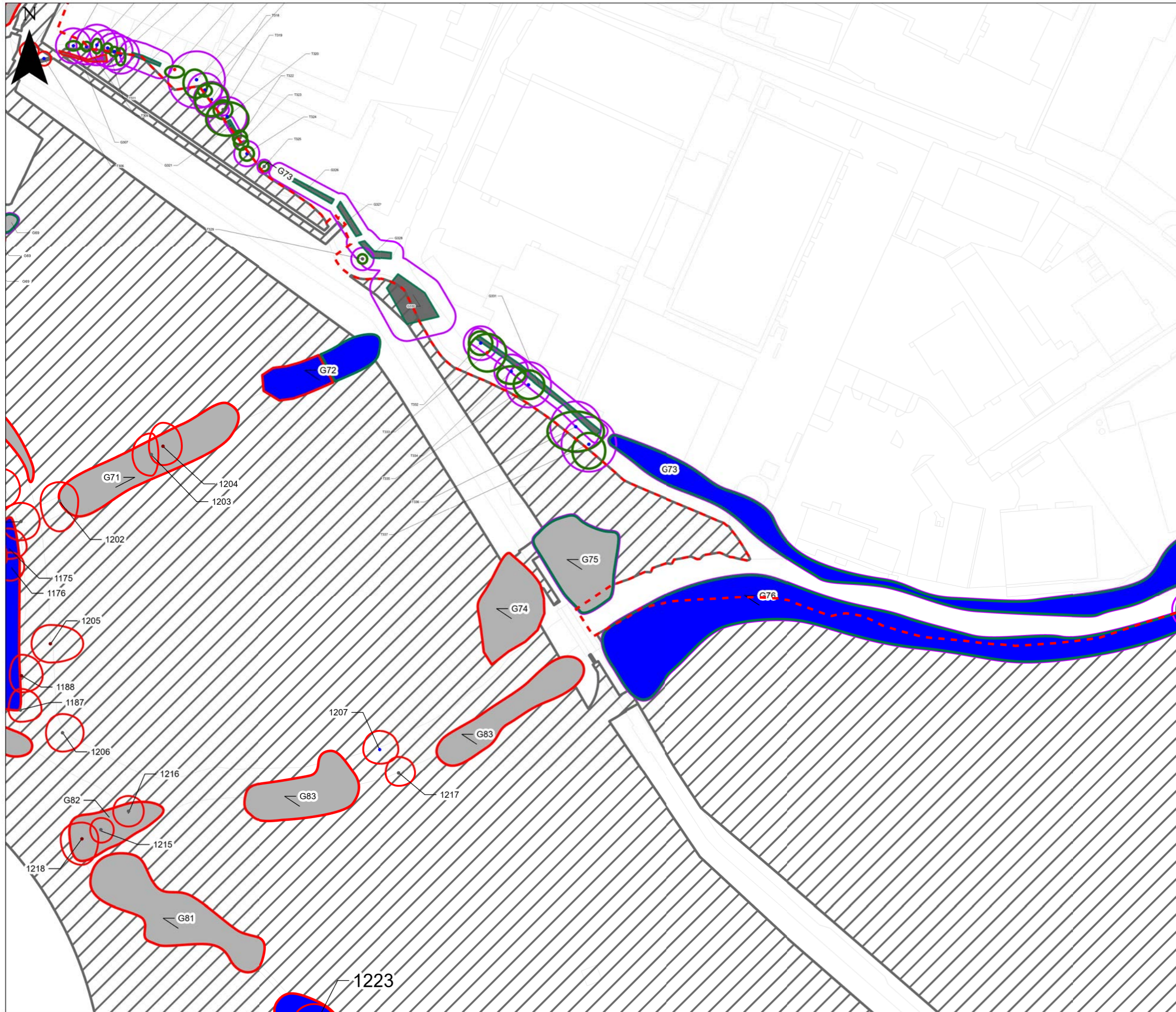
www.jacobs.com
 Project :
Oxford Flood Alleviation Scheme

Drawing :
Tree Constraints and Removal Plan

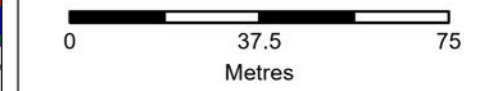
Drawn By : RK Date: 31/01/2022
 Checked By : CM Date: 31/01/2022
 Approved By : GH Date: 31/01/2022

Drawing No. : IMSE500177-CH2-XX-00-DR-EN-0750 Revision : A

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
 - Retained
 - Root protection area
 - Scheme Works



Rev	By	Chkd	Apprvd	Date	Description

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



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 Tel: +44 (0)117 457 2500



Project :
Oxford Flood Alleviation Scheme

Drawing :
Tree Constraints and Removal Plan










Drawn By : RK Date: 31/01/2022
 Checked By : CM Date: 31/01/2022
 Approved By : GH Date: 31/01/2022

Drawing No. :
 IMSE500177-CH2-XX-00-DR-EN-0751 Revision
 A

Drawing Scale : 1:1,500

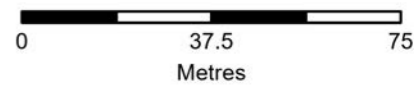


Legend

-  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

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



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Project :
Oxford Flood Alleviation Scheme

Drawing :
Tree Constraints and Removal Plan

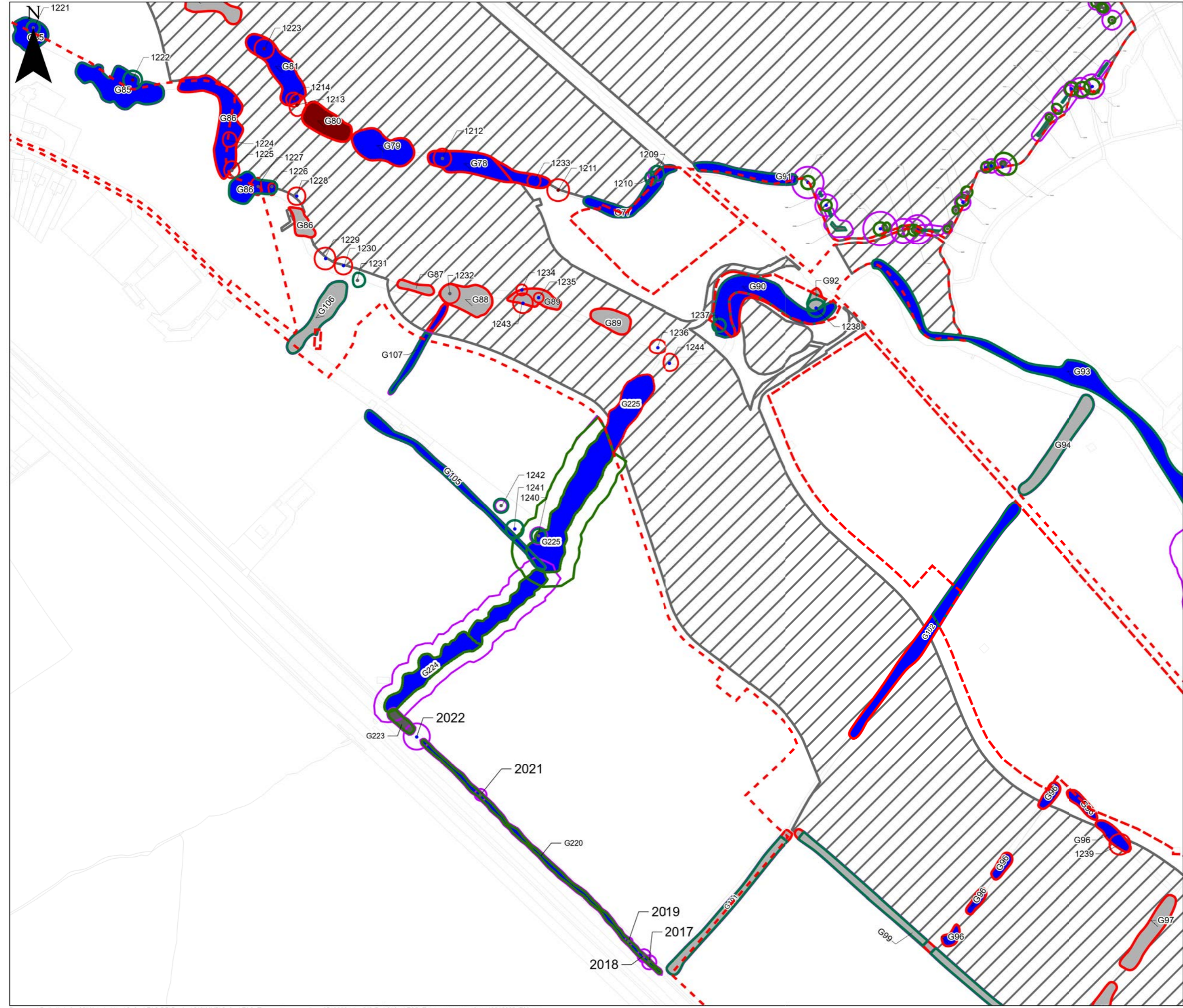
Drawn By : RK Date: 31/01/2022

Checked By : CM Date: 31/01/2022

Approved By : GH Date: 31/01/2022

Drawing No. : IMSE500177-CH2-XX-00-DR-EN-0752 Revision **A**

Drawing Scale : 1:1,500



Legend

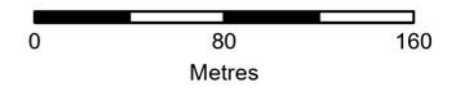
- Site Boundary

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

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



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



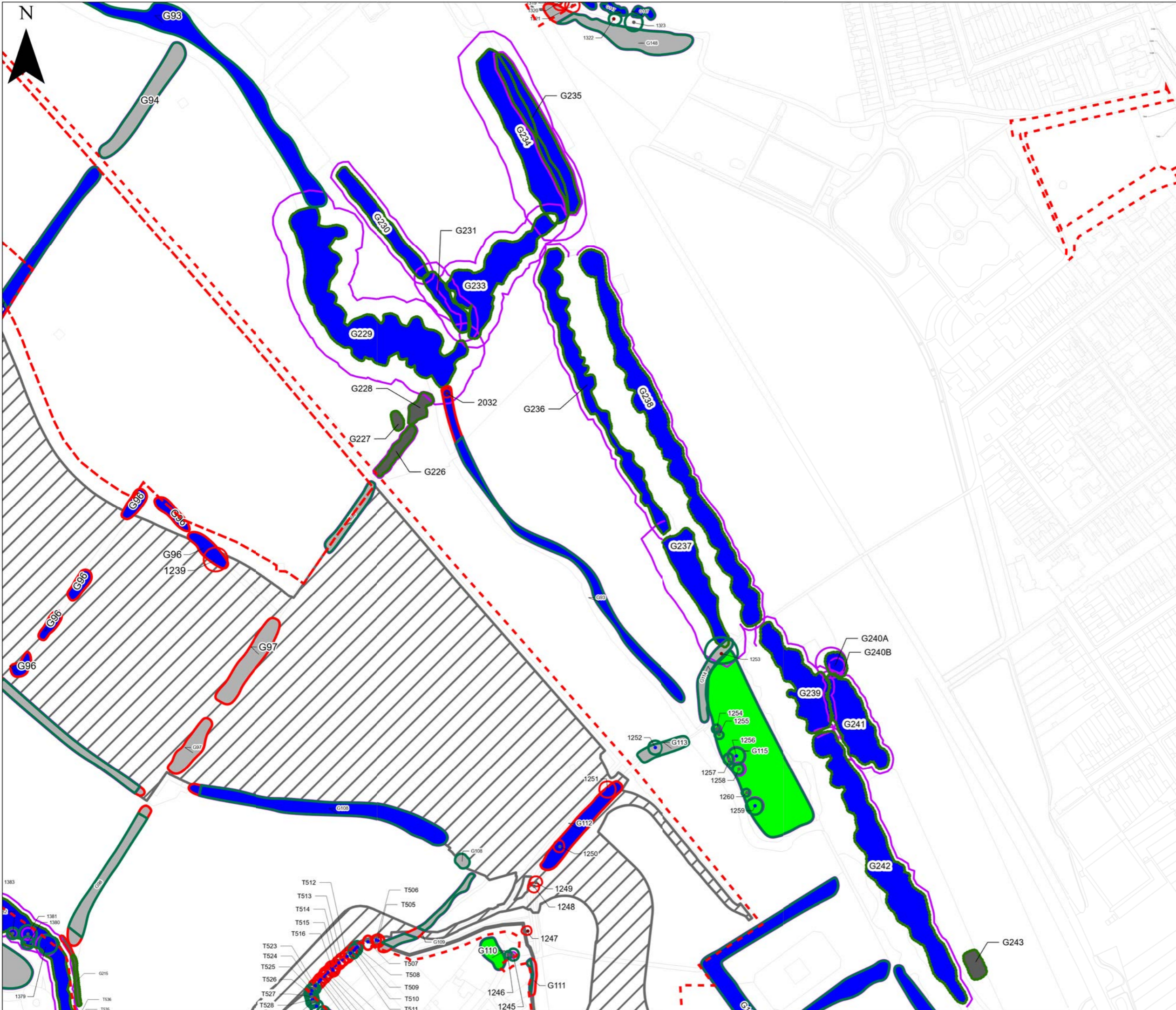
www.jacobs.com
 Project :
Oxford Flood Alleviation Scheme

Drawing :
Tree Constraints and Removal Plan

Drawn By : RK Date: 31/01/2022
 Checked By : CM Date: 31/01/2022
 Approved By : GH Date: 31/01/2022

Drawing No. : IMSE500177-CH2-XX-00-DR-EN-0753 Revision
 A

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

0 70 140 Metres

Rev	By	Chkd	Apprvd	Date	Description

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



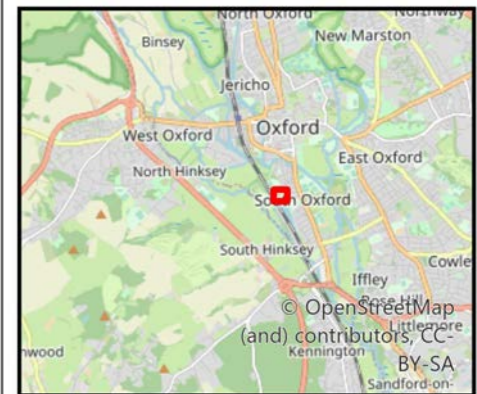
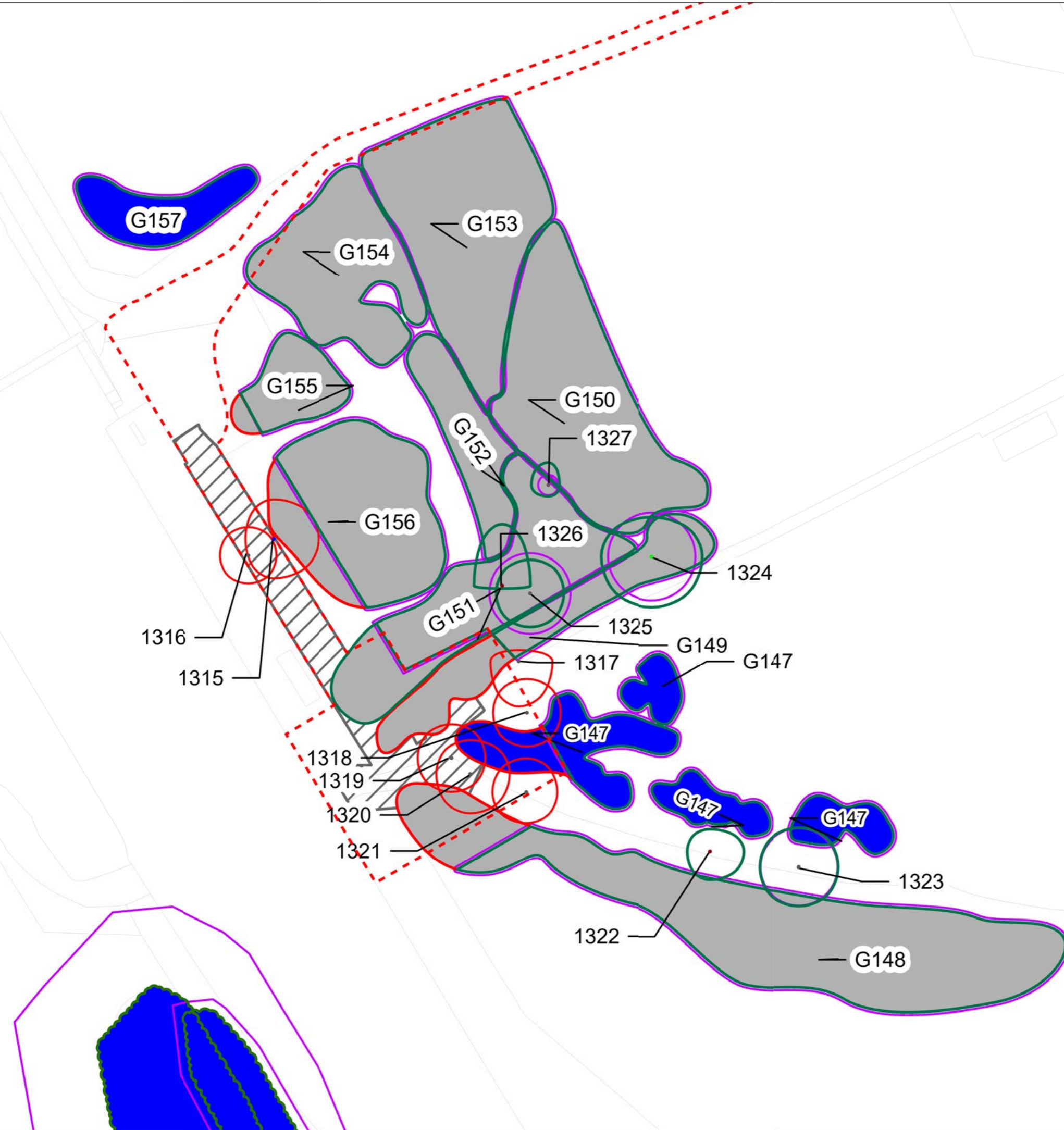
www.jacobs.com
 Project :
Oxford Flood Alleviation Scheme

Drawing :
Tree Constraints and Removal Plan

Drawn By : RK Date: 31/01/2022
 Checked By : CM Date: 31/01/2022
 Approved By : GH Date: 31/01/2022

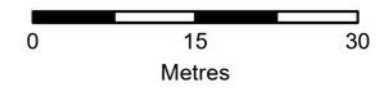
Drawing No. : IMSE00177-CH2-XX-00-DR-EN-0754	Revision A
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Drawing Scale : 1:2,800



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

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



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



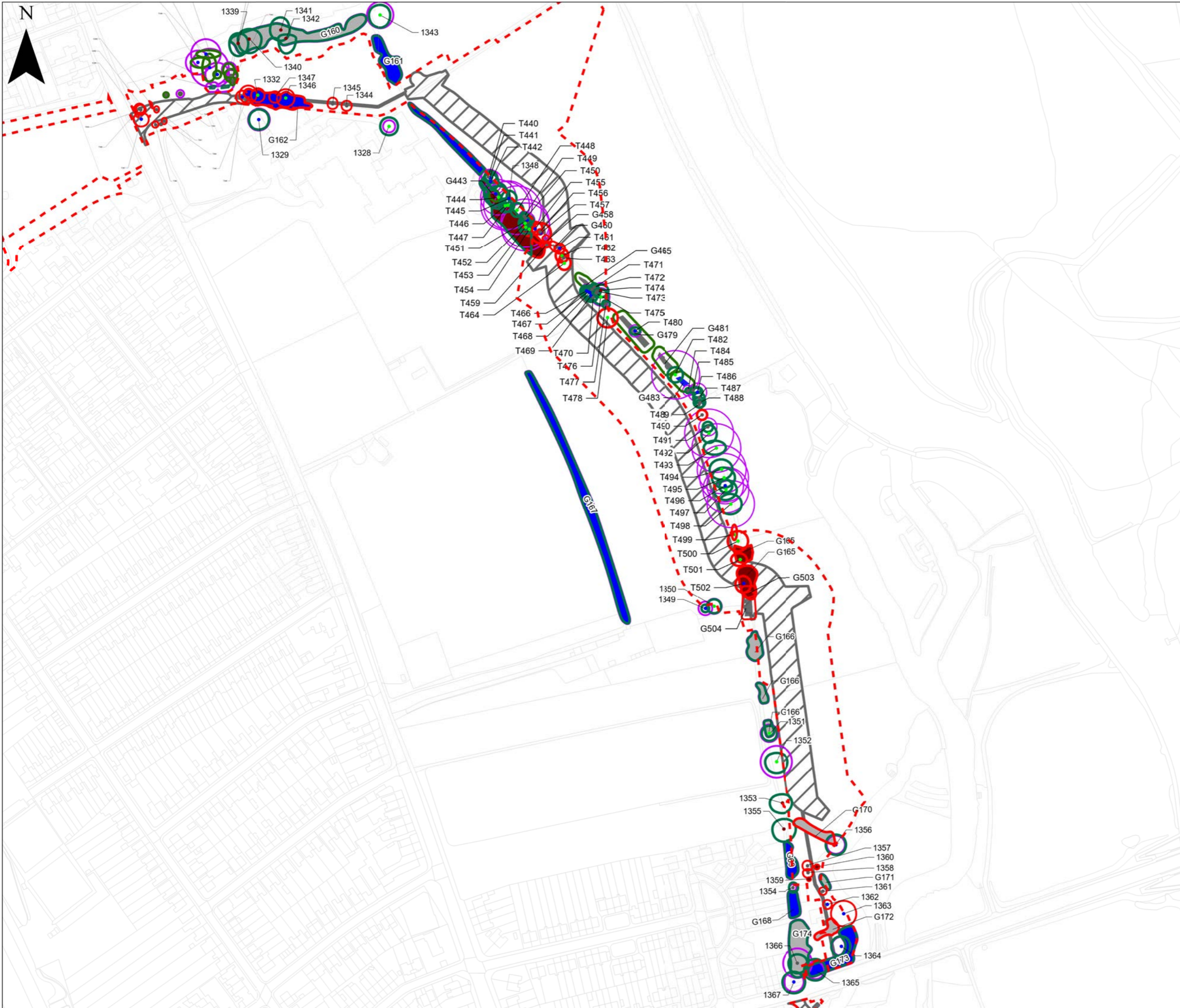
www.jacobs.com
 Project :
 Oxford Flood Alleviation Scheme

Drawing :
 Tree Constraints and Removal Plan

Drawn By : RK	Date: 31/01/2022
Checked By : CM	Date: 31/01/2022
Approved By : GH	Date: 31/01/2022

Drawing No. : IMSE500177-CH2-XX-00-DR-EN-0755	Revision A
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Drawing Scale : 1:700



Legend

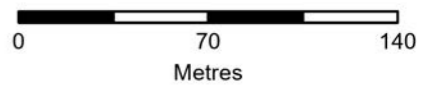
- Site Boundary (dashed red line)

BS5837 categories

- Category A tree (green dot)
- Category B tree (blue dot)
- Category C tree (black dot)
- Category U tree (red dot)
- Category A group (green fill)
- Category B group (blue fill)
- Category C group (grey fill)
- Category U group (dark red fill)

Management

- Removed (red outline)
- Retained (green outline)
- Root protection area (purple outline)
- Scheme Works (hatched area)



Rev	By	Chkd	Apprvd	Date	Description

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



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 Tel: +44 (0)117 457 2500



www.jacobs.com

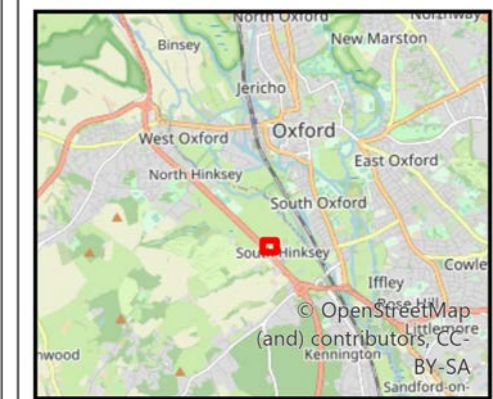
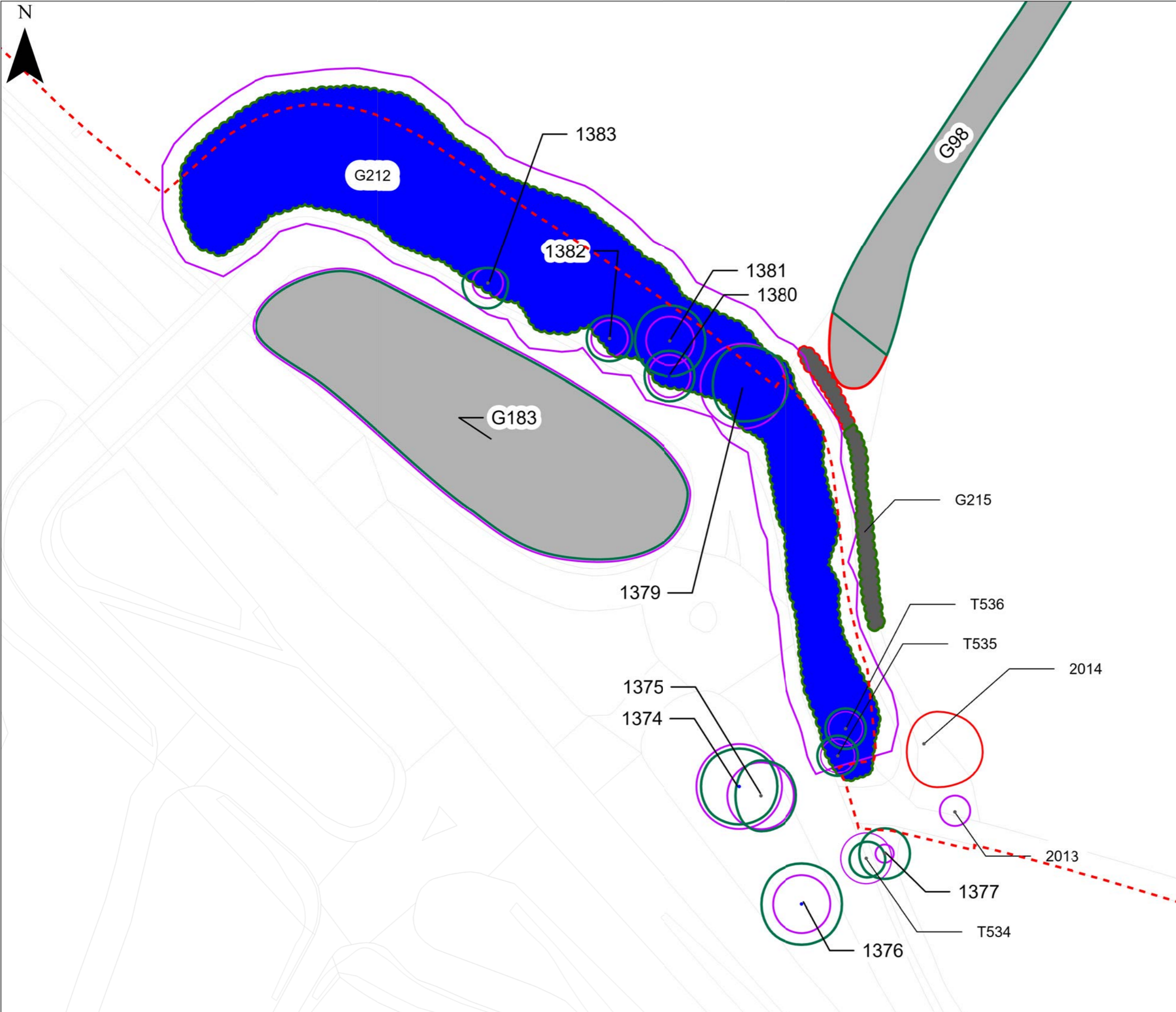
Project :
Oxford Flood Alleviation Scheme

Drawing :
Tree Constraints and Removal Plan

Drawn By : RK Date: 31/01/2022
 Checked By : CM Date: 31/01/2022
 Approved By : GH Date: 31/01/2022

Drawing No. : IMSE500177-CH2-XX-00-DR-EN-0756
 Revision : **A**

Drawing Scale : 1:2,800

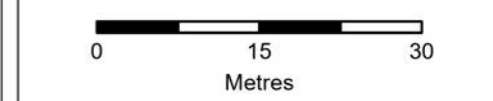


Legend

- 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



Rev	By	Chkd	Apprvd	Date	Description

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



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



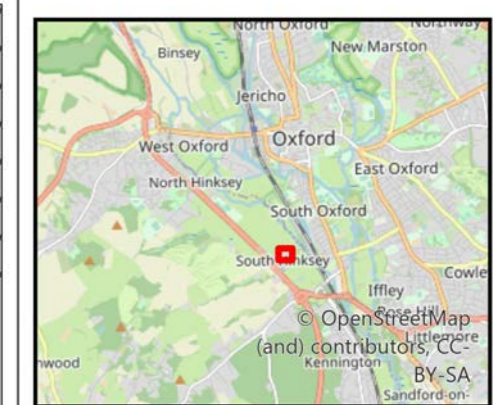
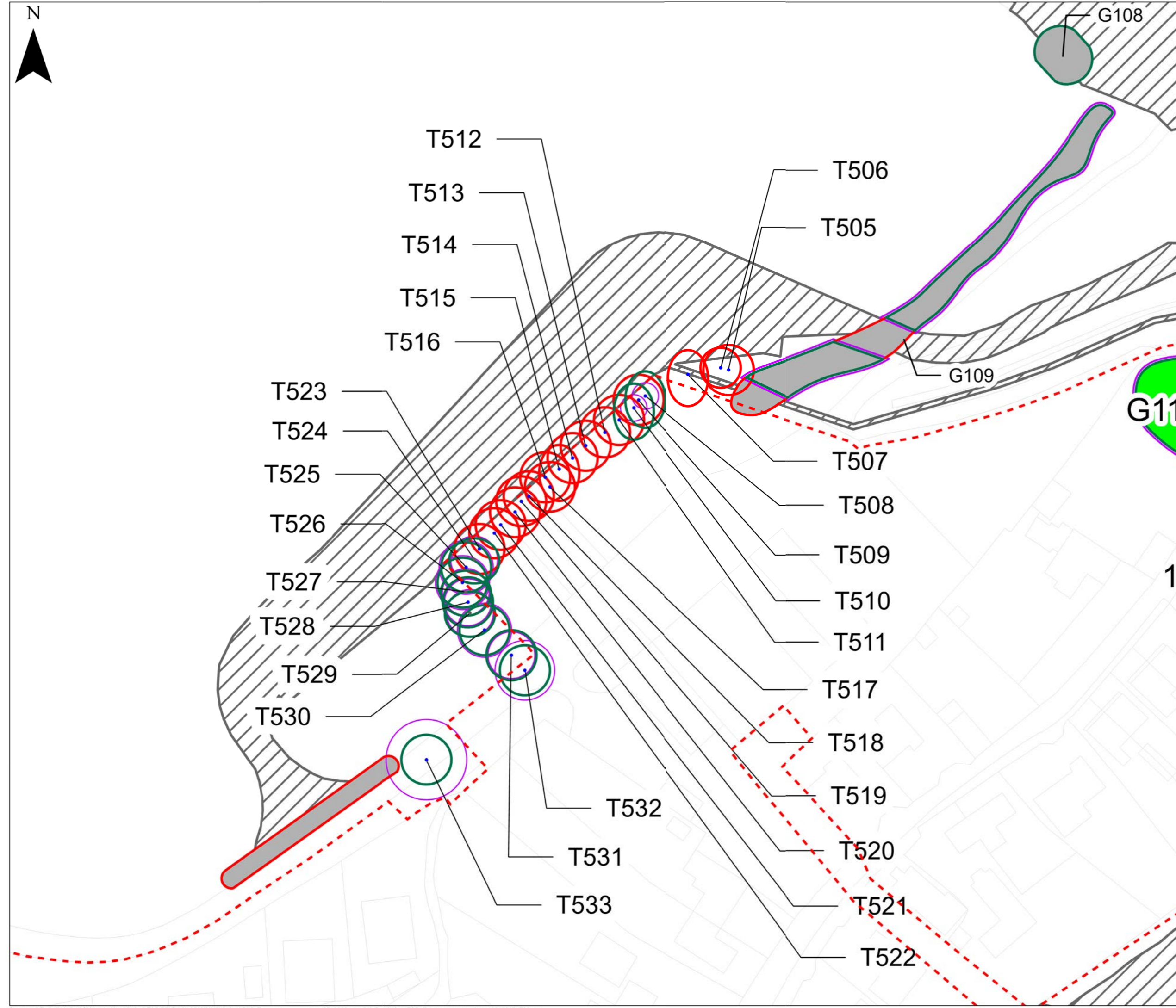
Project :
Oxford Flood Alleviation Scheme

Drawing :
Tree Constraints and Removal Plan

Drawn By : RK Date: 31/01/2022
 Checked By : CM Date: 31/01/2022
 Approved By : GH Date: 31/01/2022

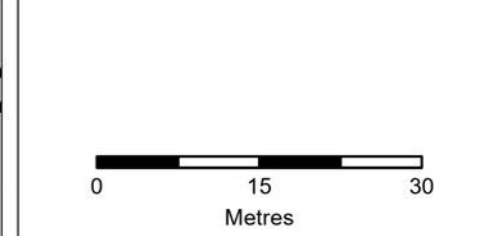
Drawing No. : IMSE500177-CH2-XX-00-DR-EN-0757 Revision : A

Drawing Scale : 1:700



Legend

- Site Boundary (Red dashed line)
- BS5837 categories**
 - Category A tree (Green dot)
 - Category B tree (Blue dot)
 - Category C tree (Black dot)
 - Category U tree (Red dot)
 - Category A group (Green fill)
 - Category B group (Blue fill)
 - Category C group (Grey fill)
 - Category U group (Red fill)
- Management**
 - Removed (Red outline)
 - Retained (Green outline)
 - Root protection area (Purple outline)
 - Scheme Works (Hatched area)



Rev	By	Chkd	Apprvd	Date	Description

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

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

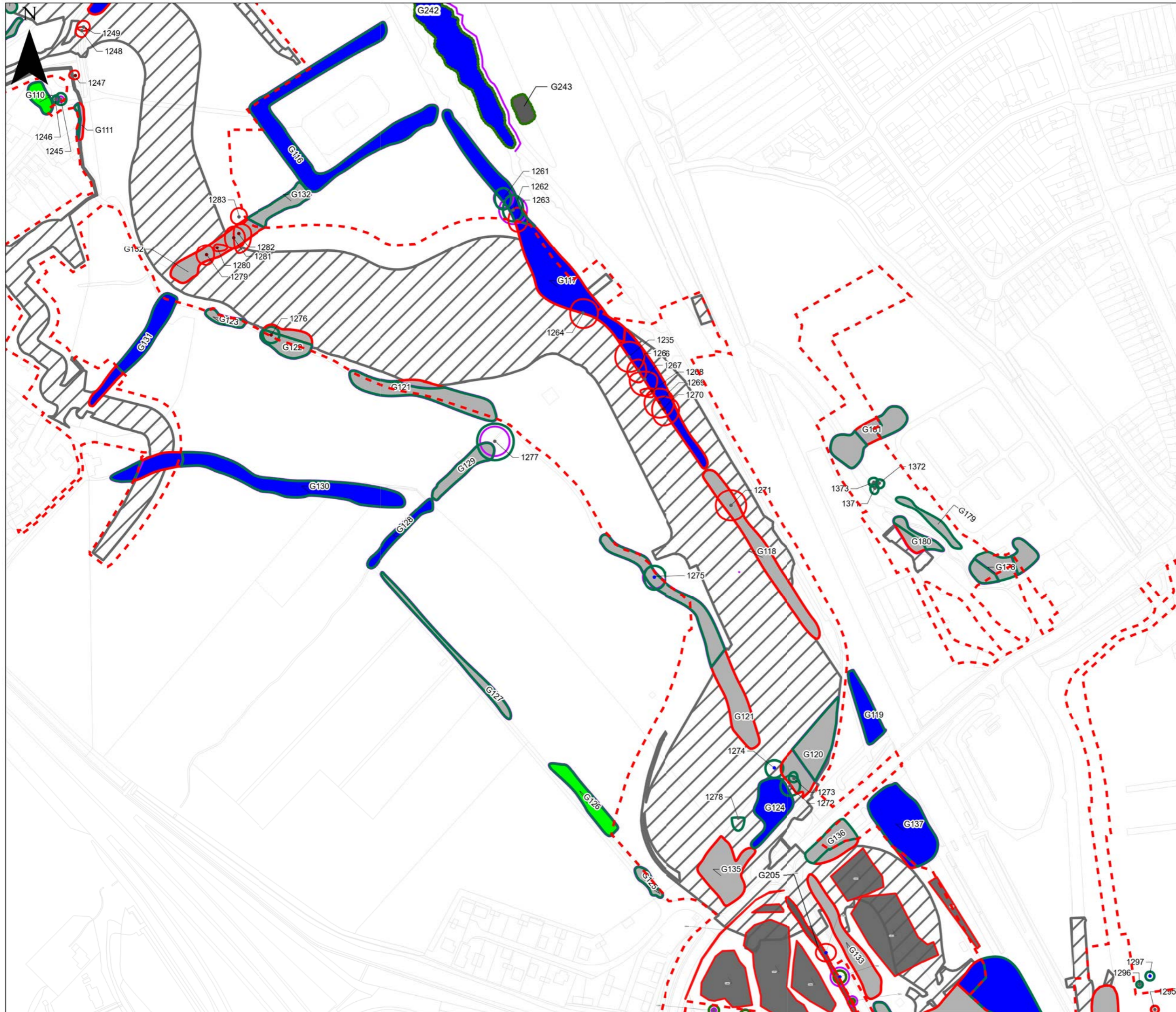
www.jacobs.com
 Project :
 Oxford Flood Alleviation Scheme

Drawing :
 Tree Constraints and Removal Plan

Drawn By : RK Date: 31/01/2022
 Checked By : CM Date: 31/01/2022
 Approved By : GH Date: 31/01/2022

Drawing No. : IMSE500177-CH2-XX-00-DR-EN-0758 Revision : A

Drawing Scale : 1:700



Legend

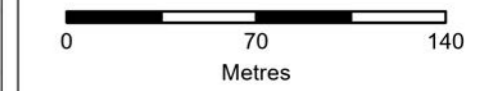
- Site Boundary

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

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



Jacobs
 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 : RK	Date: 31/01/2022
Checked By : CM	Date: 31/01/2022
Approved By : GH	Date: 31/01/2022

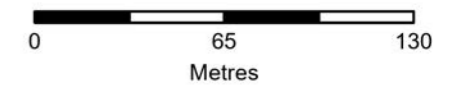
Drawing No. : IMSE500177-CH2-XX-00-DR-EN-0759	Revision A
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Drawing Scale : 1:2,800



- 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



Rev	By	Chkd	Apprvd	Date	Description

Client
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Project :
Oxford Flood Alleviation Scheme

Drawing :
Tree Constraints and Removal Plan

Drawn By : RK Date: 31/01/2022

Checked By : CM Date: 31/01/2022

Approved By : GH Date: 31/01/2022

Drawing No. : IMSE00177-CH2-XX-00-DR-EN-0760 Revision A

Drawing Scale : 1:2,600

4. TREE SURVEY AND IMPACT DETAILS

The following table has been produced to record the same information recorded on the plans in Section 3 in tabular form. The table contains the details of the tree surveys completed for the scheme and indicate 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
862	Hawthorn	C3	Removed
863	Hawthorn	C3	Removed
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	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
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
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	Removed

Tree Groups

G225	Crataegus monogyna (Hawthorn), Salix fragilis (Crack willow), Sambucus nigra (Elder), Ulmus procera (English elm)	B2	Partially removed
G205	Crataegus monogyna (Hawthorn), Prunus sp. (Purple leaved cherry/plum), Viburnum lantana (Wayfaring tree)	C2	Removed
G215	Acer pseudoplatanus (Sycamore), Hedera helix (Ivy), Rubus fruticosus (Bramble), Sambucus nigra (Elder)	C1	Partially 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

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	361
Total Groups of Trees Removed	78
Total Groups of Trees Partially Removed	57