

## Appendix D



## Arboricultural Method Statement



West Sussex County Council

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# A29 REALIGNMENT

Task Specific Arboricultural Method Statement





West Sussex County Council

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## **A29 REALIGNMENT**

Task Specific Arboricultural Method Statement

**TYPE OF DOCUMENT (VERSION) PUBLIC**

**PROJECT NO. 70079718**

**DATE: MARCH 2022**

WSP

2 London Square

Cross Lanes

Guildford, Surrey

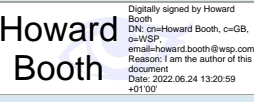
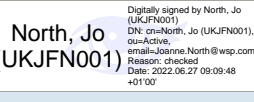
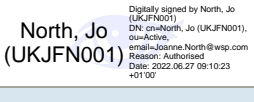
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# QUALITY CONTROL

Issue/revision	First issue	Revision 1	Revision 2	Revision 3
Remarks	First Issue	Zone C updates		
Date	14 March 2022	24 June 2022		
Prepared by	Howard Booth	Howard Booth		
Signature		 <p>Howard Booth</p>		
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Signature		 <p>North, Jo (UKJFN001)</p>		
Authorised by	Mark Watson	Jo North		
Signature		 <p>North, Jo (UKJFN001)</p>		
Project number	70079718	70079718		
Report number	70079718-AMS	70079718-AMS		



# CONTENTS

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<b>1</b>	<b>INTRODUCTION</b>	<b>1</b>
1.1	PROJECT BACKGROUND	1
1.2	SCOPE OF REPORT	1
1.3	LIMITATIONS	2
1.4	ABBREVIATIONS OF TERMS USED	2
<b>2</b>	<b>METHODS</b>	<b>3</b>
2.1	RESTRICTED WORKING ZONES	3
2.2	BASELINE DATA COLLECTION	3
2.3	PROVIDED DESIGN INFORMATION	3
<b>3</b>	<b>TASK SPECIFIC ARBORICULTURAL METHOD STATEMENT</b>	<b>4</b>
3.1	GENERAL TREE PROTECTION PRINCIPLES	4
3.2	ZONE A	4
3.3	ZONE B	4
3.4	ZONE C	4
3.5	ZONE D	4
3.6	ZONE E	5
3.7	ZONE F	5
3.8	ZONE G	6
3.9	ZONE H	6
3.10	ZONE I	7
3.11	ZONE J	7
3.12	ZONE K	7
3.13	ZONE L	7
3.14	ZONE M	8

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## ***APPENDICES***

APPENDIX A

RESTRICTED WORKING ZONE PLANS

APPENDIX B

TREE PROTECTION PLAN

# 1 INTRODUCTION

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## 1.1 PROJECT BACKGROUND

1.1.1. WSP was instructed by West Sussex County Council to undertake a tree survey and to subsequently provide an Arboricultural Report (Ref. 70060779 Version 2 – dated October 2020) in support of an Environmental Statement (ES). The ES was a supporting document in a planning application for the realignment of the A29 Phase 1 (referred to as the ‘Scheme’), to the north of Eastergate, north-west of Barnham villages and north of Bognor Regis.

1.1.2. The planning application reference WSCC/052/20 was granted planning permission following committee on 30 June 2021. Condition nine is titled Tree Protection and requires:

*All retained trees, hedges and vegetation as identified in the Arboricultural Report (Ref. 70060779 Version 2 – dated October 2020) shall be retained and protected in accordance with the accompanying Tree Protection Plans (Ref. Appendix G, Sheets 1 -10, A29-WSP-AR-TPP-001 to 010, Rev B) and approved Site Clearance Plans (Ref. Sheets 1 of 5, A29-CAP-HPN-00-DR-C-246, Rev P02 and A29-CAP-HPN-00-DR-C-247 to 250, Rev P01).*

*All works proximate to retained trees will be carried out in accordance with the accompanying Arboricultural Method Statement (Ref. Appendix B, 70060779 Version 2 – dated October 2020), save as for any modification agreed in writing by the County Planning Authority.*

*Prior to any works being undertaken within a ‘Restricted Working Zone’ as identified in the approved Site Clearance Plans, a task specific Arboricultural Method Statement specific to the area/s affected shall be submitted to, and approved in writing by, the County Planning Authority. Thereafter all works will be carried out in full accordance with task specific Arboricultural Method Statements.*

*Reason: To protect existing trees and shrubs in the interests of the visual amenity, landscape and biodiversity of the locality.*

1.1.3. In summary the planning condition requires:

- Retained trees, hedges and vegetation to be protected in line with details submitted with the planning application. This is a matter of complying with submitted detail;
- Work near retained trees must follow the details submitted with the planning application, with variation requiring approval; and
- Task specific Arboricultural Method Statement (AMS) developed for the Restricted Working Zones.

## 1.2 SCOPE OF REPORT

1.2.1. This report is prepared to address the third part of the planning condition and is a task specific AMS for the Restricted Working Zones that are identified on the approved Site Clearance Plans (Sheets 1 of 5, A29-CAP-HPN-00-DR-C-246, Rev P02 and A29-CAP-HPN-00-DR-C-247 to 250, Rev P01).

1.2.2. British Standard BS 5837:2012 *Trees in relation to design, demolition and construction – Recommendations* (BS 5837)

## 1.3 LIMITATIONS

- 1.3.1. General tree protection measures have been approved as part of WSCC/052/20 and are therefore not considered further in this report.
- 1.3.2. Trees are dynamic organisms which are influenced by a variety of environmental factors and whose health and condition can rapidly change.. Any recommendations made within this report are valid for a period of 12 months from the date of report or sooner in the event of site conditions changing, or tree work unspecified in the report is carried out to or affecting, the subject trees.
- 1.3.3. Trees have not been resurveyed to inform this report.

## 1.4 ABBREVIATIONS OF TERMS USED

**Table 1-1 - Common abbreviations used within this report**

<b>Abbreviation</b>	<b>Meaning</b>
AMS	Arboricultural Method Statement
BS 5837	British Standard BS 5837:2012 ' <i>Trees in relation to design, demolition and construction – Recommendations</i> '
RPA	Root Protection Area
RWZ	Restricted Working Zone



## 2 METHODS

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### 2.1 RESTRICTED WORKING ZONES

- 2.1.1. The planning permission for WSCC/052/20 conditions that the tree protection measures submitted to support the planning application must be followed. The scope of this task specific AMS is limited to the Restricted Working Zones (RWZ) that are shown on the approved Site Clearance Plans which are presented at Appendix A of this report.
- 2.1.2. For the purpose of this report each of the areas of RWZs have been labelled A to M. Each zone has a set of task specific arboricultural requirements which form the AMS.

### 2.2 BASELINE DATA COLLECTION

- 2.2.1. A walkover of the site was undertaken on 1 March 2022 to establish with the contractor what task specific measures could be taken to reduce the impact upon retained trees. The baseline data used to inform root protection areas (RPA) is that information presented in the Arboricultural Report (Ref. 70060779 Version 2 – dated October 2020).

### 2.3 PROVIDED DESIGN INFORMATION

- 2.3.1. The following information has been viewed and used to prepare this report:
- Arboricultural Report (Ref. 70060779 Version 2 – dated October 2020)
  - Tree Protection Plans (Ref. Appendix G, Sheets 1 -10, A29-WSP-AR-TPP-001 to 010, Rev B)
  - Site Clearance Plans (Ref. Sheets 1 of 5, A29-CAP-HPN-00-DR-C-246, Rev P02 and A29-CAP-HPN-00-DR-C-247 to 250, Rev P01)
  - Decision Notice WSCC-052-20

## **3 TASK SPECIFIC ARBORICULTURAL METHOD STATEMENT**

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### **3.1 GENERAL TREE PROTECTION PRINCIPLES**

- 3.1.1. The planning application included an Arboricultural Method Statement which sets out the measures for tree protection. Supporting this is a Tree Protection Plans (Ref. Appendix G, Sheets 1 -10, A29-WSP-AR-TPP-001 to 010, Rev B) which is replicated in Appendix B of this report for reference.
- 3.1.2. Where roots are exposed by excavation the following precautions must be followed:
- After careful removal of the hard surface material digging must proceed with hand tools.
  - Roots less than 25mm in diameter can be removed using a sharp tool and make a clean cut leaving as small a wound as possible.
  - All roots greater than 25mm diameter should be preserved and worked around.
  - Where excavations are left open with roots exposed to prevent damage they will be wrapped in damp hessian and protected from frost in cold weather and heat in hot weather

### **3.2 ZONE A**

- 3.2.1. In Zone A there are trees in a third-party private garden. Although shown as partially removed in the Arboricultural Report they are to be retained as per Site Clearance Plans.
- 3.2.2. The kerb and footway are to be realigned closer to the tree by approximately 0.5m tapering down to tie in with the existing footway. Excavation beyond the current footway will be in to a grass verge with potential for tree roots to be encountered.
- 3.2.3. All excavations within this RWZ will be supervised by the Project Arboriculturist.

### **3.3 ZONE B**

- 3.3.1. RWZ B will be fenced off with tree protection fencing as shown in Appendix B with no demolition nor construction activity required within the RWZ.

### **3.4 ZONE C**

- 3.4.1. The Site Clearance Layout Sheet 1 of 5 in Appendix A has been updated to reflect the actual locations of TPO9 and TPO10. Both trees are closer to the proposed development. A consequence of this revision is that tree TPO9 will be removed.
- 3.4.2. The zone will have a badger fence installed directly to the south with excavations approximately 300mm deep and 300mm wide located outside of the RWZ C. No vegetation stripping is required within RWZ C.

### **3.5 ZONE D**

- 3.5.1. The zone will have a badger fence installed directly to the south with excavations approximately 300mm deep and 300mm wide located outside of the RWZ D. No vegetation stripping is required within RWZ D.

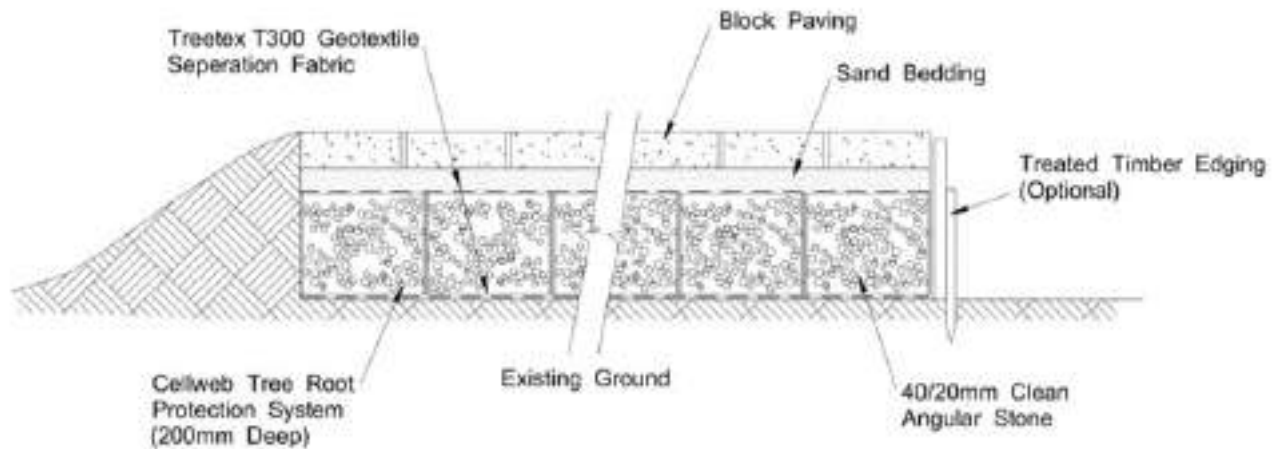
## 3.6 ZONE E

- 3.6.1. The design of the new footway has been modified so that the new hard surface path stops near the bend and does not extend into the RPA of T2. The public footpath within the RPA of T55 will not be upgraded or amended as part of the work.
- 3.6.2. Tree protection fence will be erected, as shown in Appendix B, to prevent access to this area once the public footpath has been closed.

## 3.7 ZONE F

- 3.7.1. T41 is a mature oak directly adjacent to a natural surface public footpath. The carriageway to the north is at a higher level and therefore to tie in the existing public footpath with the new A29 footway, ground levels need to be increased.
- 3.7.2. Ground levels will be increased with the use a no-dig construction in the RPA of T41. Cellweb 3D cellular confinement (or equivalent) tree root protection system will be installed. Cellular confinement will be installed above existing ground level and a permeable geotextile used to separate the cellular confinement and its infill from the existing ground. Figure 3-1 shows an example of no dig paving. The detailed design of the cellular confinement system must be specified by an engineer and construction undertaken with the following principles and have a permeable finish to allow infiltration of water.
- 3.7.3. Installation of the cellular confinement will follow the manufacturers recommendations and use a clean angular stone Type 4/20 or Type 20/40 or equivalent no-fines material as in-fill.
- 3.7.4. Ground preparation will be limited to removal of turf, surface vegetation or organic matter undertaken with hand tools for the area of the cellular confinement system. The permeable geotextile will then be laid to covet the footprint of the cellular confinement system.
- 3.7.5. The cellular confinement system will be pegged out by hand using J pins or equivalent. Infill material shall be placed in the cellular confinement system with work starting at the north. The sections infilled will then be used as a working platform for movement of material.
- 3.7.6. No tracking of machinery or storage of material will be undertaken on areas of unprotected soil. The installed cellular confinement system can be used a working platform.

**Figure 3-1 - Illustrative cross-section of no dig hard surfacing**



### 3.8 ZONE G

- 3.8.1. For A29 Phase 1 no work is to be undertaken in RWZ G. A tree protection fence will be erected as shown in Appendix B. The tree protection fence will however have a secure gate to enable access to the existing track to enable access for the adjoining landowner. No construction activities or vehicles will enter RWZ G.

### 3.9 ZONE H

- 3.9.1. A new road is to be constructed outside of the RPA of G71. Spatial requirements for construction will require entry to the RPA. The crowns of the trees is sufficiently high not be affected by work in the RWZ.
- 3.9.2. Temporary ground protection shall be employed to enable construction access required within the RPA of retained trees. Any specification for ground protection shall be reviewed by the Project Arboriculturist prior to implementation onsite.
- 3.9.3. At the start of construction of the proposed development tree protection fence will be erected as per Appendix B. When the new road section around the pond is to be constructed the tree protection fence will be realigned to follow the perimeter of the RWZ to allow ground protection to be installed.
- 3.9.4. The temporary ground protection will be specified by an engineer and to accord with BS 5837 it shall comply with the following specification:
- For pedestrian only access, ground protection measures shall include a single thickness of scaffold boards placed on top of 100mm depth of compression resistant material (e.g. woodchip) laid onto a geotextile membrane.
  - For pedestrian activities and plant up to 2 tons in weight, proprietary interlinked ground protection boards will be used and placed on top of 150mm depth of compression resistant material (e.g. woodchip) laid onto a geotextile membrane.
  - For wheeled or tracked equipment exceeding 2 tons in weight, a structural engineer will design an alternative system. This may include the use of temporary cellular confinement systems,

reinforced concrete slabs or track board systems details of which are to be approved before construction commences.

- 3.9.5. Temporary ground protection shall be in-situ prior to any works in this area including site clearance, ground work or the importation of plant and materials. The ground protection shall remain in-situ until all construction activities are complete.
- 3.9.6. Daily checks will be carried out by an appointed person to ensure that ground protection is still in place and functioning; any damage will be rectified without delay. Once RWZ H is not required for construction the temporary ground protection shall be removed and the tree protection fence shall be immediately re-aligned as per Appendix B.

### **3.10 ZONE I**

- 3.10.1. From the outflow at the south side of the pond a ditch will be excavated running north east towards RWZ I. This new ditch will join up with Barnham Rife Ditch that already runs from RWZ I to the south. The work required in RWZ I is excavation to join the new with the existing ditch.
- 3.10.2. At the start of the construction the tree protection fence will be erected as shown in Appendix B.
- 3.10.3. When excavation in RWZ I is required, the Project Arboriculturist shall be present to supervise the excavations that will be undertaken with a mechanical excavator with the following measures in place;
  - Under supervision of Project Arboriculturist remove the minimum amount of tree protection fence to allow access for work.
  - The mechanical excavator shall stay outside the RPA of the trees shown in Appendix B.
  - Excavation work undertaken under supervision of Project Arboriculturist.
  - Tree protection fence re-erected as shown in Appendix B once excavation complete.

### **3.11 ZONE J**

- 3.11.1. Zone J is in the RPA of a mature evergreen oak (T45) in a third-party private garden. The kerb alignment and area of grass verge remains unchanged in layout. The footway and carriageway will however be renewed to ensure that the new and existing surface levels align, this will not result in significant changes in ground level in RWZ J
- 3.11.2. Tree protection fencing shall be erected as shown in Appendix B, with the exception of existing crossovers to Greenoaks and Wentbridge. The fence will only be removed and repositioned in agreement with the Project Arboriculturist to allow maximum protection during work in RWZ J.
- 3.11.3. The minimum depth of excavation will be undertaken under supervision of the Project Arboriculturist.

### **3.12 ZONE K**

- 3.12.1. No work is required with RWZ K so tree protection fence will be erected as shown in Appendix B at the start of construction.

### **3.13 ZONE L**

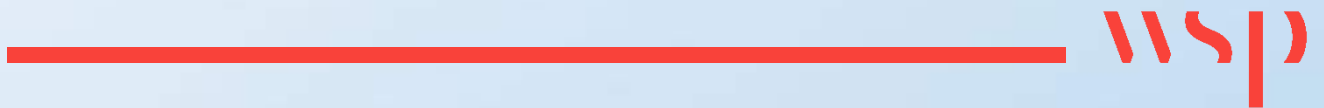
- 3.13.1. No work is required with RWZ L as it is located beyond the extent of work. To ensure the evergreen oak (T50) is protected tree protection fence will be erected as shown in Appendix B. The fence is to be located at the back edge when the footway is open to pedestrians during construction.

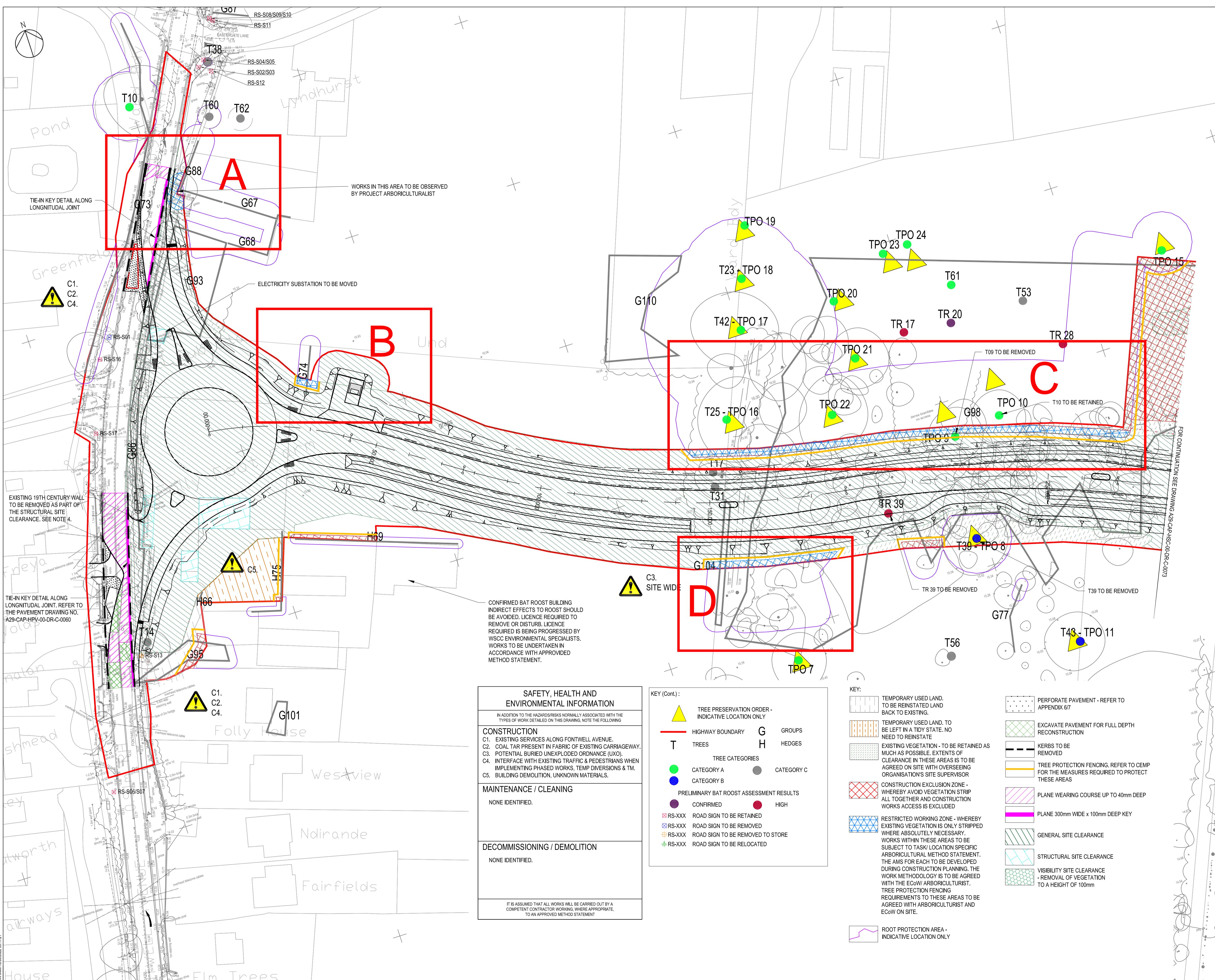
### **3.14 ZONE M**

- 3.14.1. A new headwall will be constructed in Zone M connecting the outflow of the new pond into the existing ditch to the south of the site. The minimum amount of vegetation is to be removed to enable construction of the headwall which is the extent of the RWZ. Before construction work starts a tree protection fence will be erected as shown in Appendix B and this will be retained in place for the duration of construction and not be moved for the headwall construction.

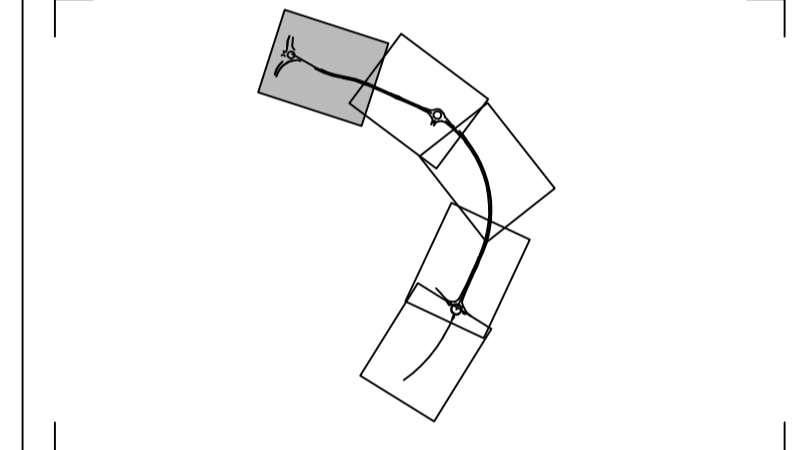
# Appendix A

## **RESTRICTED WORKING ZONE PLANS**





- NOTES:
- ALL DIMENSIONS IN METRES UNLESS OTHERWISE STATED
  - SITE CLEARANCE WORKS OUTSIDE OF HIGHWAY BOUNDARY ARE SUBJECT TO AGREEMENT FOR ACCESS FROM LAND OWNERS. WSCC IN CONSULTATION WITH LAND OWNERS
  - ALL SITE CLEARANCE WORKS IN AREAS CURRENTLY NOT OWNED BY WSCC ARE SUBJECT TO SUCCESSFUL LAND PURCHASE NEGOTIATION
  - DRAWINGS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ENVIRONMENTAL INFORMATION PROVIDED BY WSP. TREE INFORMATION BASED ON WSP MODEL TREE CONSTRAINTS PLAN DRAWING NO. 70046212-TCP-EV-001 TO 003.
  - DRAWING TO BE READ IN CONJUNCTION WITH SITE CLEARANCE TRAFFIC SIGN SCHEDULE A29-CAP-HSC-00-SH-C-040; DRAINAGE LAYOUT A29-CAP-HDG-00-DR-D-048 TO 052; STATUTORY UNDERTAKERS LAYOUT A29-CAP-VUT-00-DR-C-077 TO 081 AND SPECIFICATION APPENDIX 200 SITE CLEARANCE A29-CAP-GEN-00-SP-C-029.
  - THERE IS A REQUIREMENT TO APPOINT A BUILDING ARCHAEOLOGIST TO RECORD THE WALL PRIOR TO DEMOLITION TO AN APPROPRIATE HISTORIC ENGLAND LEVEL.
  - WHERE TREES ARE BEING REMOVED FROM SITE, LOGS ARE TO BE RETAINED FOR THE CREATION OF LOG PILES FOR REPTILE REFUGIA TO SERVE AS INVERTEBRATE HABITAT. REFER TO LANDSCAPE FOR LOCATIONS OF THE REPTILE REFUGIA.
  - ALL SITE CLEARANCE WORKS ARE TO BE UNDERTAKEN IN ACCORDANCE WITH THE AGREED CONSTRUCTION ENVIRONMENTAL MANAGEMENT PLAN.
  - ANY TREES (I.E. NOT ALL VEGETATION) WITH LOW BAT ROOSTING SUITABILITY ARE FINE TO FELL PROVIDED THAT THEY ARE CHECKED IMMEDIATELY PRIOR TO FELLING BY AN ECOLOGIST, AND THAT THE FELLING IS DONE IN A SENSITIVE MANNER (I.E. SOFT FELLING IN SECTIONS). OTHER TREES WHICH ARE ASSIGNED MODERATE OR HIGH SUITABILITY WILL NEED AN UPDATED INSPECTION IN ADVANCE OF THE WORKS, AND PROVIDED NO ROOSTS ARE IDENTIFIED, CAN THEN BE FELLED IN THE SAME MANNER AS THE LOW SUITABILITY TREES. WHEN THE UPDATED INSPECTION FOR HIGH AND MODERATE TREES NEEDS TO BE DONE WILL DEPEND ON WHEN THE CLEARANCE WORKS ARE PROPOSED FOR.
  - ECOLOGICAL GROUND SURVEY REQUIRED PRIOR TO WORKS TO DETERMINE EUROPEAN PROTECTED SPECIES LICENCE REQUIREMENTS AND ASSOCIATED EXCLUSION ZONES.
- EXISTING HIBERNACULAR REFUGIA**
- CAREFUL CLEARANCE OF EXISTING SUITABLE HABITAT AREAS (GRASSLAND AND RUBBLE, BRASH OR LOG PILES). THE APPROACH TO BE AGREED WITH THE ECOLOGIST PRIOR TO ANY WORKS TAKING PLACE.
  - CLEARANCE TO BE OUTSIDE OF SENSITIVE HIBERNATION SEASON (NOV-FEB INCLUSIVE, CLEARANCE TO BE CARRIED OUT IN DRY WEATHER CONDITIONS WHERE POSSIBLE).
  - EXISTING REFUGIA TO BE CLEARED TO BE DISMANTLED BY HAND UNDER SUPERVISION OF ECOLOGIST.
  - CLEARANCE OF TALL HERBACEOUS VEGETATION IN THE ACTIVE SEASON IN TWO PHASED CUTS. INITIAL CUT 150MM, SECOND CUT TO GROUND LEVEL TO RENDER IT UNSUITABLE FOR REPTILES AREAS TO BE AGREED WITH THE ECOLOGIST PRIOR TO ANY WORKS TAKING PLACE.
  - RETAIN LOSS FROM FELLED TREES TO CREATE HIBERNACULAR REFUGIA. Location Key Plan (Not to Scale)



PO2	KS	KS	AB	NOTES AMENDED FOR T09 AND T39 TO BE REMOVED AND T10 TO BE RETAINED	15/06/2022
PO1	AS	KS	AB	FIRST ISSUE	23/04/2021
Rev	Drawn	Checked	Approved	Description	Date

Purpose of Issue  
**For Planning** S0  
 Classification  
**Public**  
 Client



Project  
**A29 Realignment Scheme**

Drawing  
**Site Clearance Layout**  
 Sheet 1 of 5

Scale @ A1	Drawn	Checked	Approved
1:500	CY	GL	KS
Project No.	Date		
CS099505	23.04.2021		

Drawing Identifier  
 Project - Original - Zone - Level - File Type - Role - Number  
**A29-CAP-HPN-00-DR-C-246** P02



SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION	
IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING	
<b>CONSTRUCTION</b>	
C1.	EXISTING SERVICES ALONG FONTWELL AVENUE.
C2.	COAL TAR PRESENT IN FABRIC OF EXISTING CARRIAGEWAY.
C3.	POTENTIAL BURIED UNEXPLODED ORDNANCE (UXO).
C4.	INTERFACE WITH EXISTING TRAFFIC & PEDESTRIANS WHEN IMPLEMENTING PHASED WORKS, TEMP DIVERSIONS & TM.
C5.	BUILDING DEMOLITION, UNKNOWN MATERIALS.
<b>MAINTENANCE / CLEANING</b>	
NONE IDENTIFIED.	
<b>DECOMMISSIONING / DEMOLITION</b>	
NONE IDENTIFIED.	
IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING, WHERE APPROPRIATE, TO AN APPROVED METHOD STATEMENT	

KEY (Cont.):	
	TREE PRESERVATION ORDER - INDICATIVE LOCATION ONLY
	HIGHWAY BOUNDARY
	TREES
	CATEGORY A
	CATEGORY B
	PRELIMINARY BAT ROOST ASSESSMENT RESULTS - CONFIRMED
	HIGH
	ROAD SIGN TO BE RETAINED
	ROAD SIGN TO BE REMOVED
	ROAD SIGN TO BE REMOVED TO STORE
	ROAD SIGN TO BE RELOCATED
	GROUPS
	HEDGES
	CATEGORY C

KEY:	
	TEMPORARY USED LAND. TO BE REINSTATED LAND BACK TO EXISTING.
	TEMPORARY USED LAND. TO BE LEFT IN A TIDY STATE. NO NEED TO REINSTATE
	EXISTING VEGETATION - TO BE RETAINED AS MUCH AS POSSIBLE. EXTENTS OF CLEARANCE IN THESE AREAS IS TO BE AGREED ON SITE WITH OVERSEEING ORGANISATION'S SITE SUPERVISOR
	CONSTRUCTION EXCLUSION ZONE - WHEREBY AVOID VEGETATION STRIP ALL TOGETHER AND CONSTRUCTION WORKS ACCESS IS EXCLUDED
	RESTRICTED WORKING ZONE - WHEREBY EXISTING VEGETATION IS ONLY STRIPPED WHERE ABSOLUTELY NECESSARY. WORKS WITHIN THESE AREAS TO BE SUBJECT TO TASK/LOCATION SPECIFIC ARBORICULTURAL METHOD STATEMENT. THE AMS FOR EACH TO BE DEVELOPED DURING CONSTRUCTION PLANNING. THE WORK METHODOLOGY IS TO BE AGREED WITH THE ECOW/ ARBORICULTURIST. TREE PROTECTION FENCING REQUIREMENTS TO THESE AREAS TO BE AGREED WITH ARBORICULTURIST AND ECOW ON SITE.
	ROOT PROTECTION AREA - INDICATIVE LOCATION ONLY

	PERFORATE PAVEMENT - REFER TO APPENDIX 6/7
	EXCAVATE PAVEMENT FOR FULL DEPTH RECONSTRUCTION
	KERBS TO BE REMOVED
	TREE PROTECTION FENCING, REFER TO CEMP FOR THE MEASURES REQUIRED TO PROTECT THESE AREAS
	PLANE WEARING COURSE UP TO 40mm DEEP
	PLANE 300mm WIDE x 100mm DEEP KEY
	GENERAL SITE CLEARANCE
	STRUCTURAL SITE CLEARANCE
	VISIBILITY SITE CLEARANCE - REMOVAL OF VEGETATION TO A HEIGHT OF 100mm



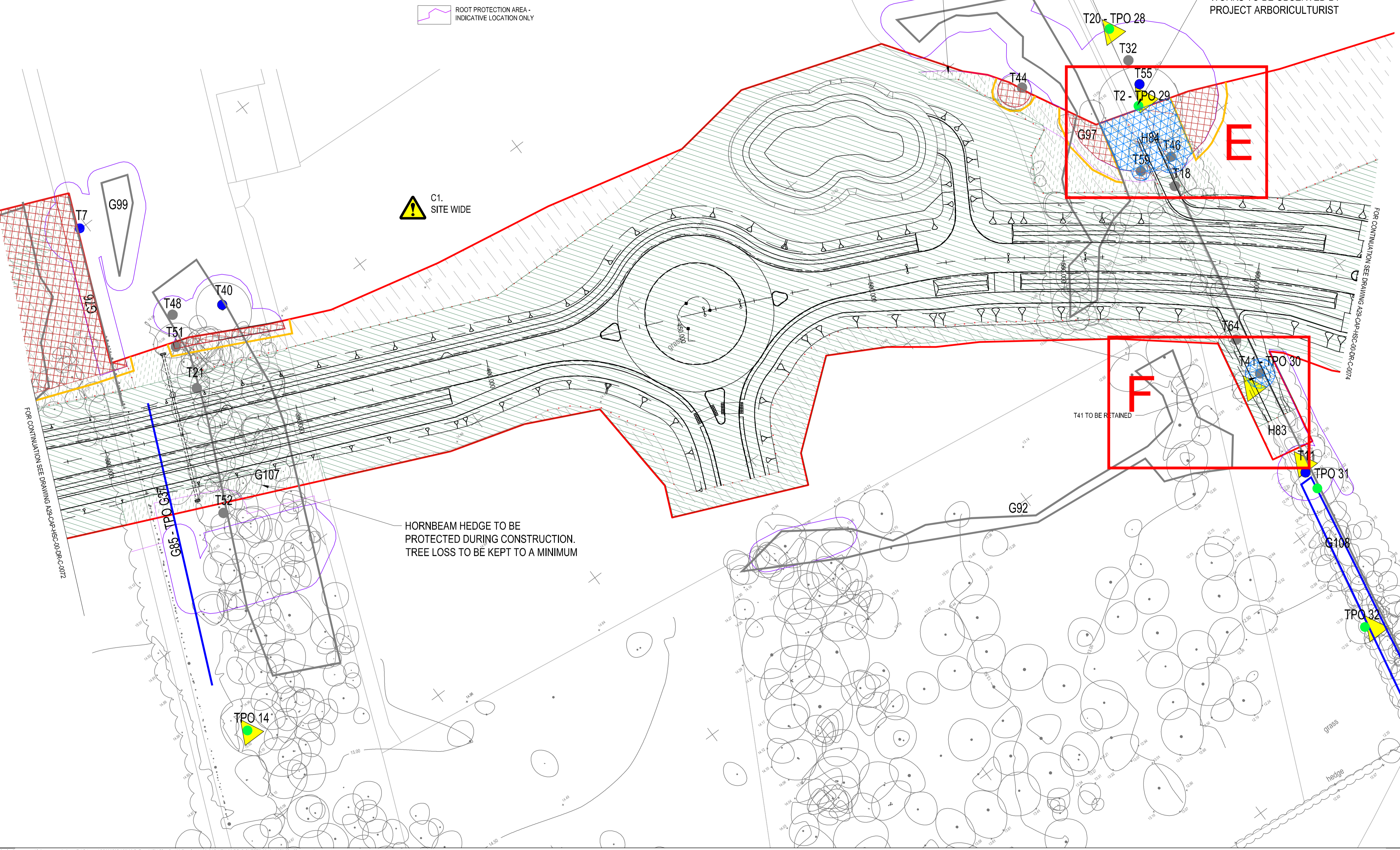
SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION	
IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING	
<b>CONSTRUCTION</b>	C1. POTENTIAL BURIED UNEXPLODED ORDNANCE (UXO).
<b>MAINTENANCE / CLEANING</b>	NONE IDENTIFIED.
<b>DECOMMISSIONING / DEMOLITION</b>	NONE IDENTIFIED.
IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING WHERE APPROPRIATE, TO AN APPROVED METHOD STATEMENT	

KEY (Cont):

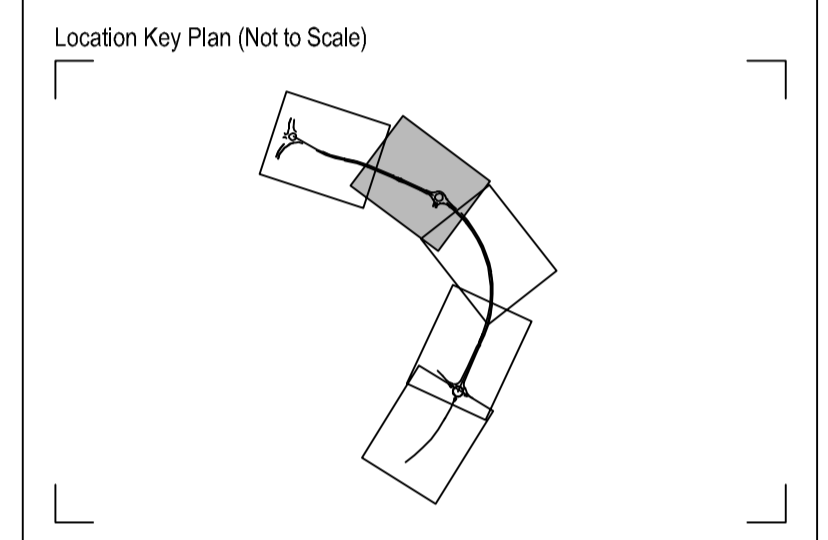
	TREE PRESERVATION ORDER - INDICATIVE LOCATION ONLY
	HIGHWAY BOUNDARY
	TREES
	TREES
	TREES
	TREES
	CATEGORY A
	CATEGORY B
	CATEGORY C
	CATEGORY C
	PRELIMINARY BAT ROOST ASSESSMENT RESULTS
	CONFIRMED
	HIGH
	RS-XXX ROAD SIGN TO BE RETAINED
	RS-XXX ROAD SIGN TO BE REMOVED
	RS-XXX ROAD SIGN TO BE REMOVED TO STORE
	RS-XXX ROAD SIGN TO BE RELOCATED

KEY:

	TEMPORARY USED LAND. TO BE REINSTATED LAND BACK TO EXISTING.
	TEMPORARY USED LAND. TO BE LEFT IN A TIDY STATE. NO NEED TO REINSTATE
	EXISTING VEGETATION - TO BE RETAINED AS MUCH AS POSSIBLE. EXTENTS OF CLEARANCE IN THESE AREAS IS TO BE AGREED ON SITE WITH OVERSEEING ORGANISATION'S SITE SUPERVISOR
	CONSTRUCTION EXCLUSION ZONE - WHEREBY AVOID VEGETATION STRIP ALL TOGETHER AND CONSTRUCTION WORKS ACCESS IS EXCLUDED
	RESTRICTED WORKING ZONE - WHEREBY EXISTING VEGETATION IS ONLY STRIPPED WHERE ABSOLUTELY NECESSARY. WORKS WITHIN THESE AREAS TO BE SUBJECT TO TASK/ LOCATION SPECIFIC ARBORICULTURAL METHOD STATEMENT. THE AMS FOR EACH TO BE DEVELOPED DURING CONSTRUCTION PLANNING. THE WORK METHODOLOGY IS TO BE AGREED WITH THE EcoW/ ARBORICULTURIST. TREE PROTECTION FENCING REQUIREMENTS TO THESE AREAS TO BE AGREED WITH ARBORICULTURIST AND EcoW ON SITE.
	ROOT PROTECTION AREA - INDICATIVE LOCATION ONLY
	PERFORATE PAVEMENT - REFER TO APPENDIX 6/7
	EXCAVATE PAVEMENT FOR FULL DEPTH RECONSTRUCTION
	KERBS TO BE REMOVED
	TREE PROTECTION FENCING. REFER TO CEMP FOR THE MEASURES REQUIRED TO PROTECT THESE AREAS
	PLANE WEARING COURSE UP TO 40mm DEEP
	PLANE 300mm WIDE x 100mm DEEP KEY
	GENERAL SITE CLEARANCE
	STRUCTURAL SITE CLEARANCE
	VISIBILITY SITE CLEARANCE - REMOVAL OF VEGETATION TO A HEIGHT OF 100mm



- NOTES:
1. ALL DIMENSIONS IN METRES UNLESS OTHERWISE STATED
  2. SITE CLEARANCE WORKS OUTSIDE OF HIGHWAY BOUNDARY ARE SUBJECT TO AGREEMENT FOR ACCESS FROM LAND OWNERS. WISCC IN CONSULTATION WITH LAND OWNERS
  3. ALL SITE CLEARANCE WORKS IN AREAS CURRENTLY NOT OWNED BY WISCC ARE SUBJECT TO SUCCESSFUL LAND PURCHASE NEGOTIATION
  4. THERE IS A REQUIREMENT TO APPOINT A BUILDING ARCHAEOLOGIST TO RECORD THE WALL PRIOR TO DEMOLITION TO AN APPROPRIATE HISTORIC ENGLAND LEVEL.
  5. WHERE TREES ARE BEING REMOVED FROM SITE, LOGS ARE TO BE RETAINED FOR THE CREATION OF LOG PILES FOR REFUGILE REFUGIA TO SERVE AS INVERTEBRATE HABITAT. REFER TO LANDSCAPE
  6. ALL SITE CLEARANCE WORKS ARE TO BE UNDERTAKEN IN ACCORDANCE WITH THE AGREED CONSTRUCTION ENVIRONMENTAL MANAGEMENT PLAN.
  7. UPDATED GROUND LEVEL INSPECTION OF VEGETATION PRIOR TO REMOVAL TO CHECK FOR BAT ROOST POTENTIAL.
  8. TREES OF LOW SUITABILITY CAN BE SOFT FELLED FOLLOWING AT HEIGHT INSPECTION OF POTENTIAL ROOST FEATURES TO CONFIRM ABSENCE.
  9. TREES OF MODERATE - HIGH SUITABILITY WILL BE SUBJECT TO CLIMBING INSPECTION. FURTHER DETAILS INCLUDED IN CEMP.
  10. ECOLOGICAL GROUND SURVEY REQUIRED PRIOR TO WORKS TO DETERMINE EUROPEAN PROTECTED SPECIES LICENCE REQUIREMENTS AND ASSOCIATED EXCLUSION ZONES.



Rev	Drawn	Checked	App'd	Description	Date
Purpose of Issue					S0
For Planning					S0
Classification					Commercial in Confidence
Client					



Project  
A29 Realignment Scheme

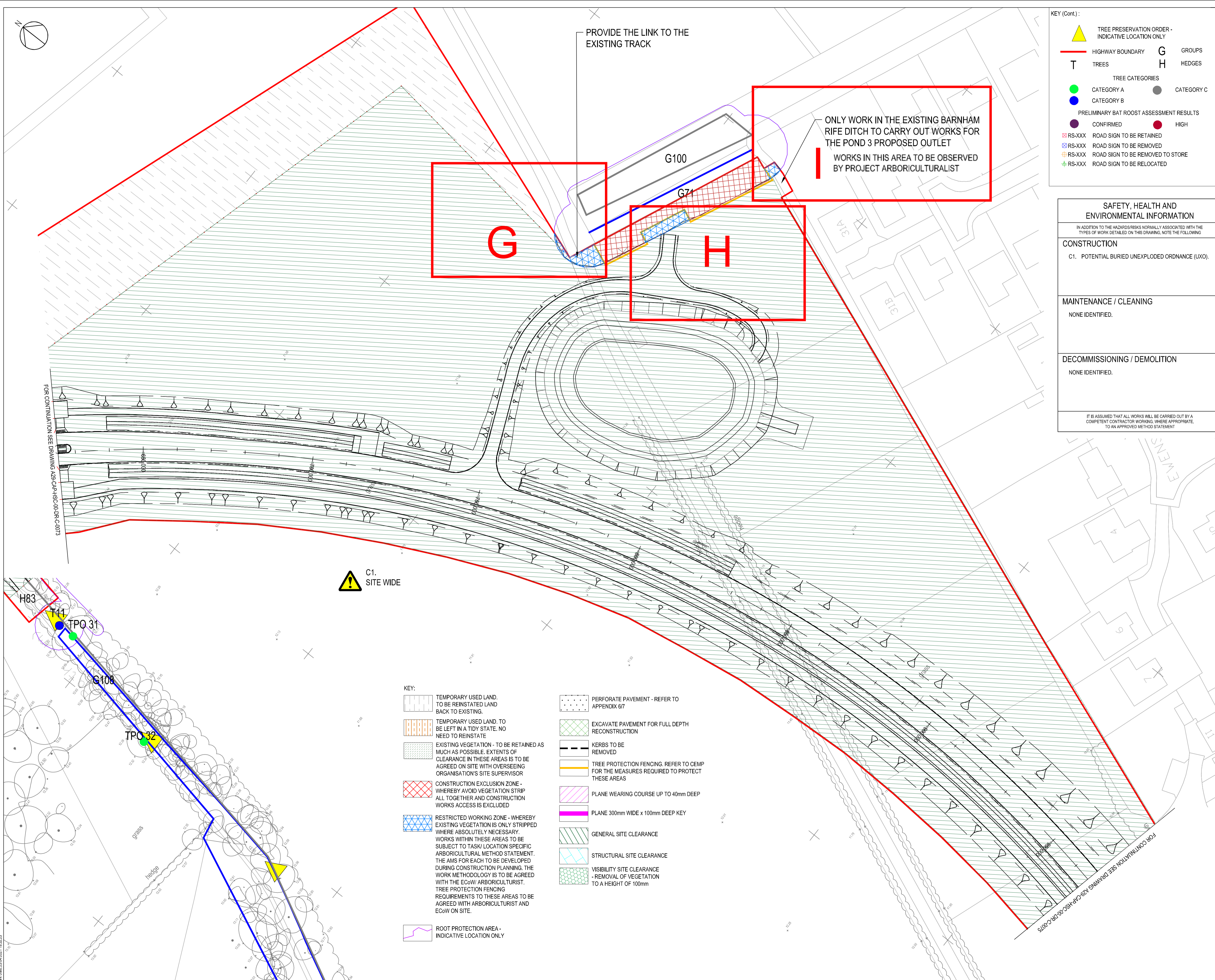
Drawing  
Site Clearance Layout  
Sheet 2 of 5

Scale @ A1	Drawn	Checked	Approved
1:500	CY	GL	KS
Project No.	Date		
CS099505	23.04.2021		

Drawing Identifier  
Project - Originator - Draw - Level - File Type - Role - Number  
A29-CAP-HPN-00-DR-C-0247 P01



Capita House, Wood Street, East Grinstead, RH19 1UU  
01342 327161  
www.capitaproperty.co.uk  
Capita Property and Infrastructure Ltd.



**KEY (Cont.):**

- TREE PRESERVATION ORDER - INDICATIVE LOCATION ONLY
- HIGHWAY BOUNDARY
- TREES
- CATEGORY A
- CATEGORY B
- PRELIMINARY BAT ROOST ASSESSMENT RESULTS - CONFIRMED
- ROAD SIGN TO BE RETAINED
- ROAD SIGN TO BE REMOVED
- ROAD SIGN TO BE REMOVED TO STORE
- ROAD SIGN TO BE RELOCATED
- GROUPS
- HEDGES
- CATEGORY C
- HIGH

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION**

IN ADDITION TO THE HAZARDOUS RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING:

**CONSTRUCTION**

C1. POTENTIAL BURIED UNEXPLODED ORDNANCE (UXO).

**MAINTENANCE / CLEANING**

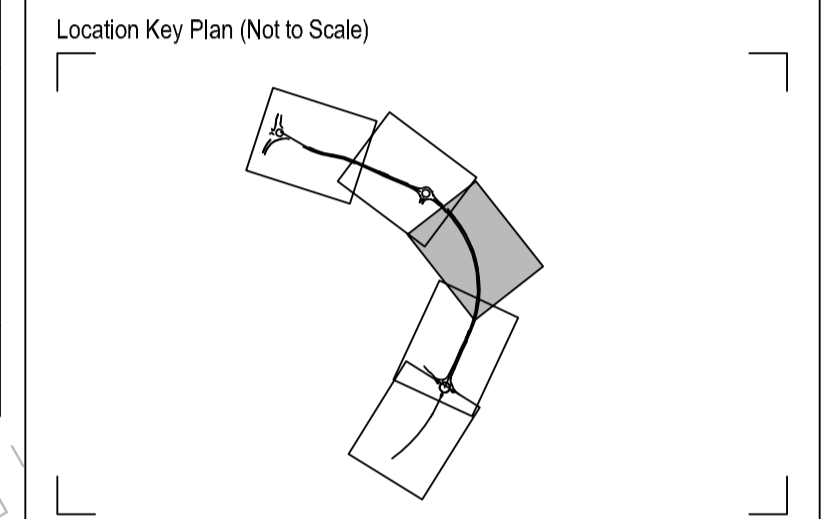
NONE IDENTIFIED.

**DECOMMISSIONING / DEMOLITION**

NONE IDENTIFIED.

IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING, WHERE APPROPRIATE, TO AN APPROVED METHOD STATEMENT.

- NOTES:**
- ALL DIMENSIONS IN METRES UNLESS OTHERWISE STATED
  - SITE CLEARANCE WORKS OUTSIDE OF HIGHWAY BOUNDARY ARE SUBJECT TO AGREEMENT FOR ACCESS FROM LAND OWNERS. WSCC IN CONSULTATION WITH LAND OWNERS
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P01	AS	KS	AB	FIRST ISSUE	23/04/2021
Rev	Drawn	Checked	Approved	Description	Date
Purpose of Issue				For Planning	S0
Classification				Public	
Client					

Project  
**A29 Realignment Scheme**

Drawing  
**Site Clearance Layout**  
Sheet 3 of 5

Scale @ A1	Drawn	Checked	Approved
1:500	CY	GL	KS
Project No.	Date		revision
CS099505	23-04-21		

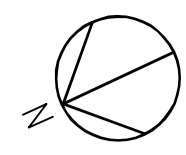
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Project - Originator - Zone - Level - File Type - Role - Number  
**A29-CAP-HPN-00-DR-C-0248** P01

**CAPITA**

Capita House, Wood Street, East Grinstead, RH19 1UJ  
01342 327161  
www.capitaproperty.co.uk  
Capita Property and Infrastructure Ltd.

**KEY:**

- TEMPORARY USED LAND. TO BE REINSTATED LAND BACK TO EXISTING.
- TEMPORARY USED LAND. TO BE LEFT IN A TIDY STATE. NO NEED TO REINSTATE
- EXISTING VEGETATION - TO BE RETAINED AS MUCH AS POSSIBLE. EXTENTS OF CLEARANCE IN THESE AREAS IS TO BE AGREED ON SITE WITH OVERSEEING ORGANISATION'S SITE SUPERVISOR
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- ROOT PROTECTION AREA - INDICATIVE LOCATION ONLY
- PERFORATE PAVEMENT - REFER TO APPENDIX 6/7
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- KERBS TO BE REMOVED
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- PLANE WEARING COURSE UP TO 40mm DEEP
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- GENERAL SITE CLEARANCE
- STRUCTURAL SITE CLEARANCE
- VISIBILITY SITE CLEARANCE - REMOVAL OF VEGETATION TO A HEIGHT OF 100mm



### SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

IN ADDITION TO THE HAZARD RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING

**CONSTRUCTION**  
 C1. EXISTING SERVICES ALONG B22233 BARNHAM ROAD.  
 C2. COAL TAR PRESENT IN FABRIC OF EXISTING CARRIAGEWAY.  
 C3. POTENTIAL BURIED UNEXPLODED ORDNANCE (UXO).  
 C4. INTERFACE WITH EXISTING TRAFFIC & PEDESTRIANS WHEN IMPLEMENTING PHASED WORKS, TEMPORARY DIVERSIONS AND TRAFFIC MANAGEMENT.

**MAINTENANCE / CLEANING**  
 NONE IDENTIFIED.

**DECOMMISSIONING / DEMOLITION**  
 NONE IDENTIFIED.

IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING WHERE APPROPRIATE TO AN APPROVED METHOD STATEMENT

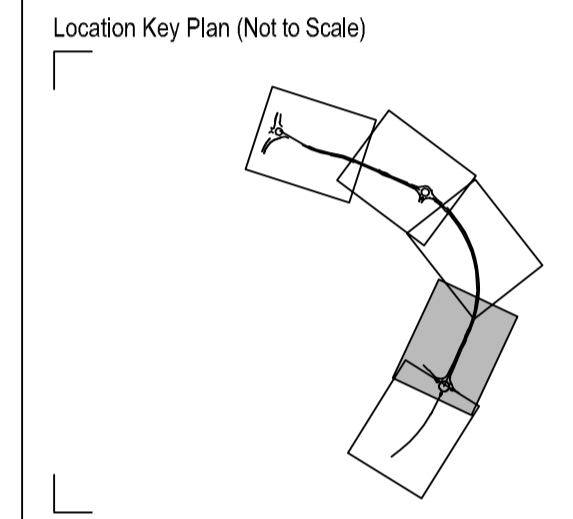
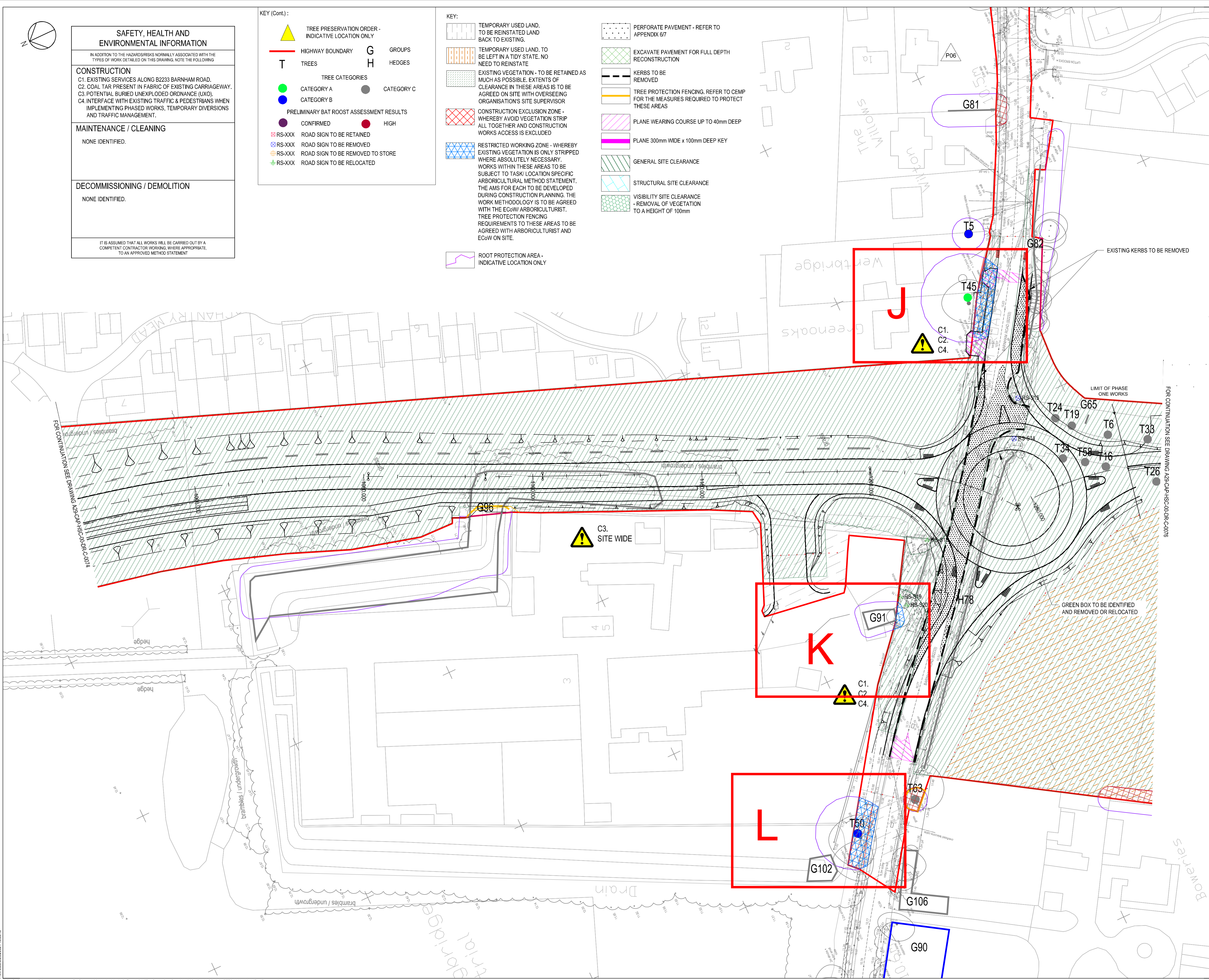
**KEY (Cont):**

- ▲ TREE PRESERVATION ORDER - INDICATIVE LOCATION ONLY
- HIGHWAY BOUNDARY
- T TREES
- TREE CATEGORIES
- CATEGORY A
- CATEGORY B
- PRELIMINARY BAT ROOST ASSESSMENT RESULTS
- CONFIRMED
- HIGH
- RS-XXX ROAD SIGN TO BE RETAINED
- RS-XXX ROAD SIGN TO BE REMOVED
- RS-XXX ROAD SIGN TO BE REMOVED TO STORE
- RS-XXX ROAD SIGN TO BE RELOCATED
- G GROUPS
- H HEDGES
- CATEGORY C

**KEY:**

- TEMPORARY USED LAND. TO BE REINSTATED LAND BACK TO EXISTING.
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- EXCAVATE PAVEMENT FOR FULL DEPTH RECONSTRUCTION
- KERBS TO BE REMOVED
- TREE PROTECTION FENCING. REFER TO CEMP FOR THE MEASURES REQUIRED TO PROTECT THESE AREAS
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- GENERAL SITE CLEARANCE
- STRUCTURAL SITE CLEARANCE
- VISIBILITY SITE CLEARANCE - REMOVAL OF VEGETATION TO A HEIGHT OF 100mm

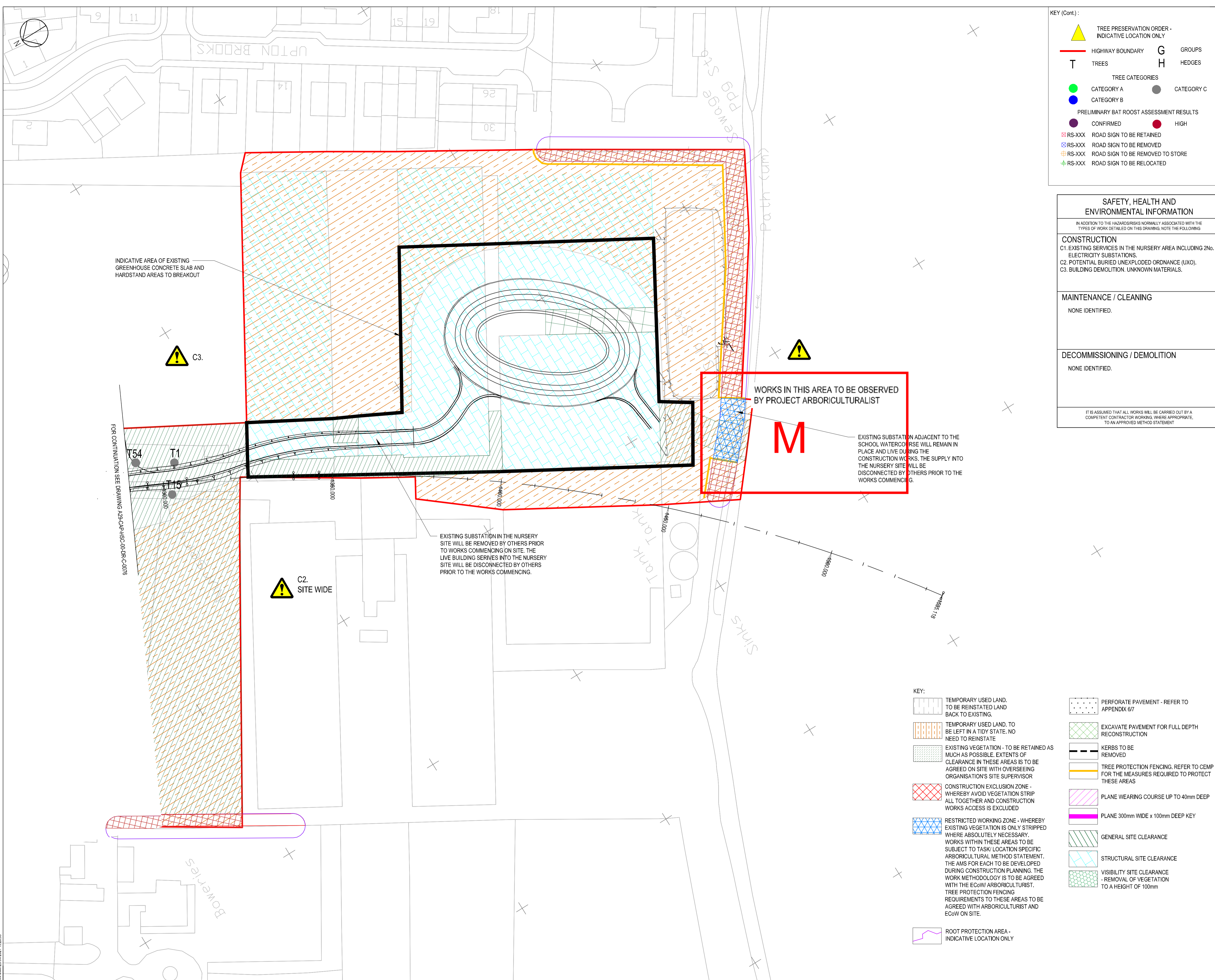
- NOTES:**
- ALL DIMENSIONS IN METRES UNLESS OTHERWISE STATED
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P01	AS	KS	AB	FIRST ISSUE	23/04/2021
Rev	Drawn	Checked	App'd	Description	Date
Purpose of Issue					
For Planning				S0	
Classification					
Public					
Client					
Project					
A29 Realignment Scheme					
Drawing					
Site Clearance Layout					
Sheet 4 of 5					
Scale @ A1	Drawn	Checked	Approved		
1:500	CY	GL	KS		
Project No.				Date	
CS099505				23-04-21	
Drawing Identifier					BS1192 Compliant
Project - Originator - Zone - Level - File Type - Role - Number					revision
A29-CAP-HSC-00-DR-C-0249					P01

**CAPITA**

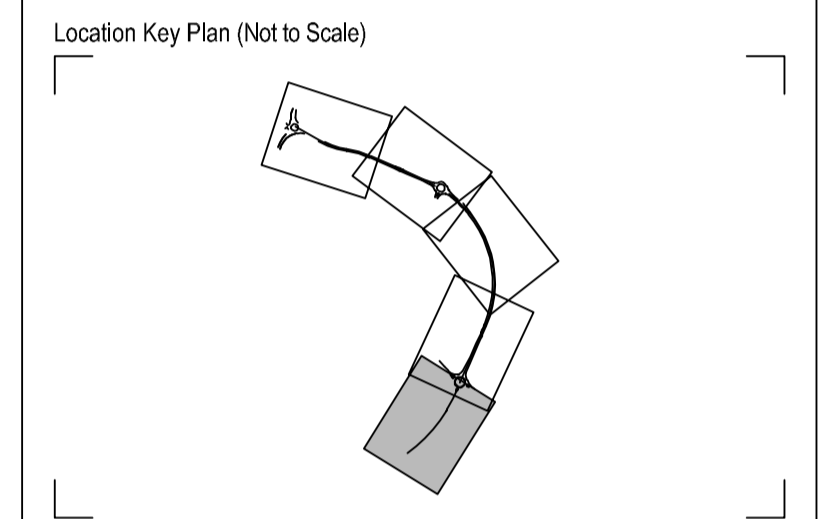
Capita House, Wood Street, East Grinstead, RH19 1UU  
 01342 327161  
 www.capitaproperty.co.uk  
 Capita Property and Infrastructure Ltd.



- KEY (Cont.):
- TREE PRESERVATION ORDER - INDICATIVE LOCATION ONLY
  - HIGHWAY BOUNDARY
  - TREES
  - CATEGORY A
  - CATEGORY B
  - PRELIMINARY BAT ROOST ASSESSMENT RESULTS - CONFIRMED
  - HIGH
  - RS-XXX ROAD SIGN TO BE RETAINED
  - RS-XXX ROAD SIGN TO BE REMOVED
  - RS-XXX ROAD SIGN TO BE REMOVED TO STORE
  - RS-XXX ROAD SIGN TO BE RELOCATED
  - GROUPS
  - HEDGES
  - CATEGORY C

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION	
IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING:	
<b>CONSTRUCTION</b> C1. EXISTING SERVICES IN THE NURSERY AREA INCLUDING 2No. ELECTRICITY SUBSTATIONS. C2. POTENTIAL BURIED UNEXPLODED ORDNANCE (UXO). C3. BUILDING DEMOLITION. UNKNOWN MATERIALS.	
<b>MAINTENANCE / CLEANING</b> NONE IDENTIFIED.	
<b>DECOMMISSIONING / DEMOLITION</b> NONE IDENTIFIED.	
IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING IN ACCORDANCE WITH THE REQUIREMENTS OF AN APPROVED METHOD STATEMENT.	

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Rev	Drawn	Chkd	App'd	Description	Date
P01	AS	KS	AB	FIRST ISSUE	23/04/2021

Purpose of Issue: **For Planning** S0

Classification: **Public**

Client:

Project: **A29 Realignment Scheme**

Drawing: **Site Clearance Layout Sheet 5 of 5**

Scale @ A1: 1:500

Drawn: CY, Checked: GL, Approved: KS

Project No.: CS099505, Date: 23-04-21

Drawing Identifier: A29-CAP-HPN-00-DR-C-0250, revision: P01

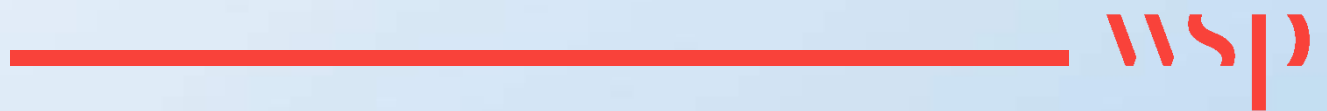
**CAPITA**

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01342 327161  
www.capitaproperty.co.uk  
Capita Property and Infrastructure Ltd.

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  - KERBS TO BE REMOVED
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  - GENERAL SITE CLEARANCE
  - STRUCTURAL SITE CLEARANCE
  - VISIBILITY SITE CLEARANCE - REMOVAL OF VEGETATION TO A HEIGHT OF 100mm

# Appendix B

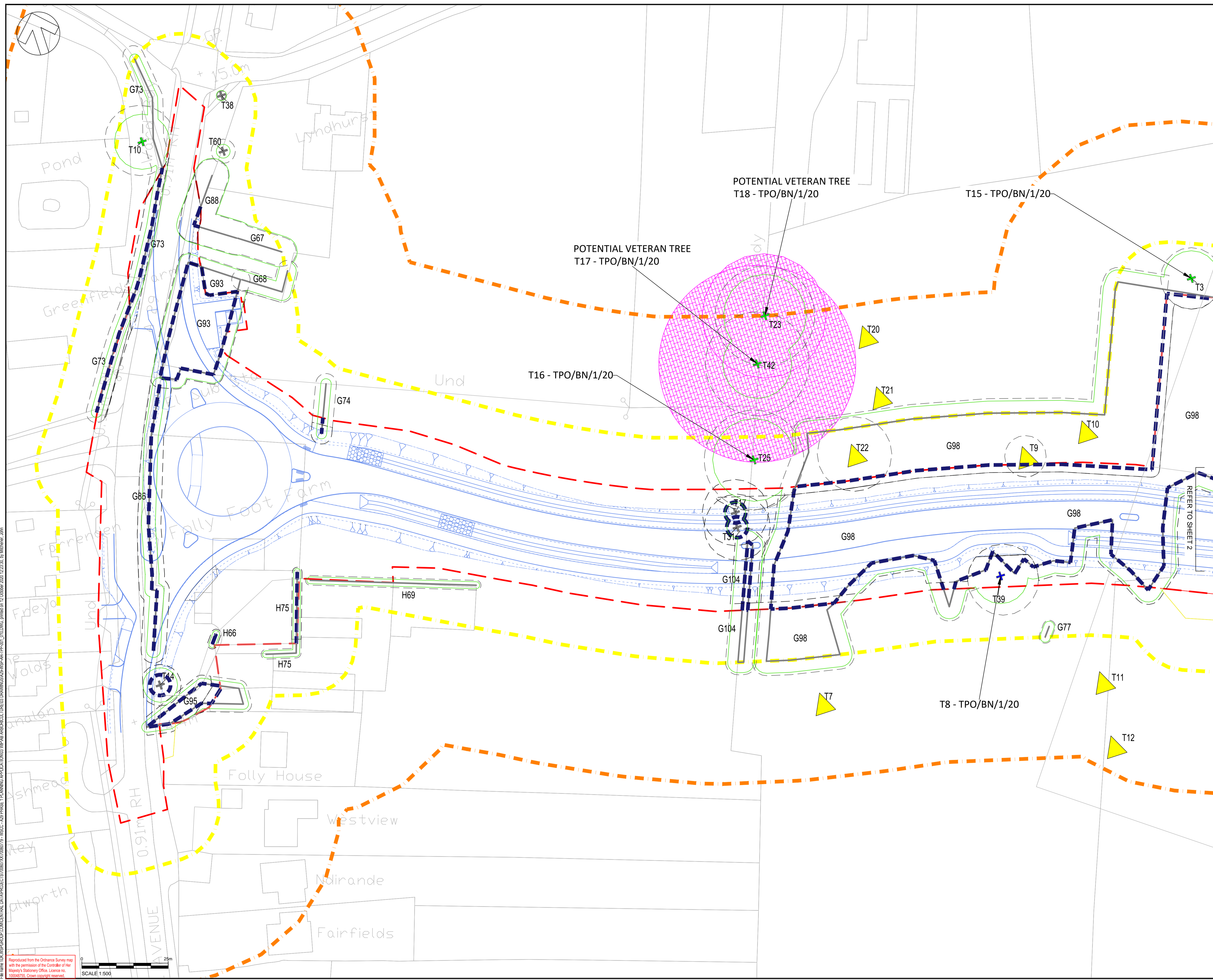
## TREE PROTECTION PLAN



DO NOT SCALE

- NOTES:
1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
  2. DO NOT SCALE, IF IN DOUBT CONTACT WSP PROJECT MANAGER.
  3. THE WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE DFT MCHW, DMRB AND THE LOCAL REQUIREMENTS OF WEST SUSSEX COUNTY COUNCIL DESIGN GUIDE & SPECIFICATIONS.

- KEY:
- T TREE
  - G TREE GROUP
  - H HEDGE
  - BS 5837 CATEGORY GRADING / QUALITY
  - + A CATEGORY / HIGH
  - + B CATEGORY / MODERATE
  - + C CATEGORY / LOW
  - ROOT PROTECTION AREA
  - SEMI-NATURAL BUFFER - POTENTIAL VETERAN TREES
  - TREE CANOPY
  - ARBORICULTURAL FEATURE TO BE REMOVED
  - △ TPO TREE (UN-SURVEYED)
  - △ TPO TREE GROUP (UN-SURVEYED)
  - △ TREE GROUP - UN-SURVEYED
  - PLANNING APPLICATION BOUNDARY
  - ARBORICULTURAL STUDY AREA (WALKOVER SURVEY)
  - ARBORICULTURAL STUDY AREA (DESK STUDY)



REV	DATE	BY	DESCRIPTION	CHK	APP
B	08/10/2020	JM	UPDATED RLB	CIT	ND
A	21/08/2020	JM	FIRST ISSUE	CIT	ND

DRAWING STATUS: S3 - FOR REVIEW

1 Capital Quarter, Tyndall St, Cardiff, CF10 4BZ, UK  
T+ 44 (0) 292 076 9200  
wsp.com

CLIENT: WEST SUSSEX COUNTY COUNCIL

ARCHITECT:

SITE PROJECT: A29 REALIGNMENT PHASE 1

TITLE: TREE PROTECTION PLAN (TREE REMOVALS) (SHEET 1 OF 10)

SCALE @ A1:	CHECKED:	APPROVED:
1:500	CIT	ND

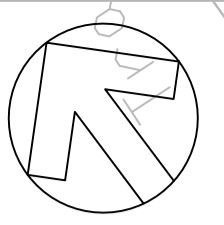
PROJECT NO:	DESIGNED:	DRAWN:	DATE:
70060779	JM	JM	October 20

DRAWING No: A29-WSP-AR-TPP-001 REV: B

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 Reproduced from the Ordnance Survey map with the permission of the Controller of Her Majesty's Stationary Office. Licence no. 100048735. Crown copyright reserved.

SCALE: 1:500



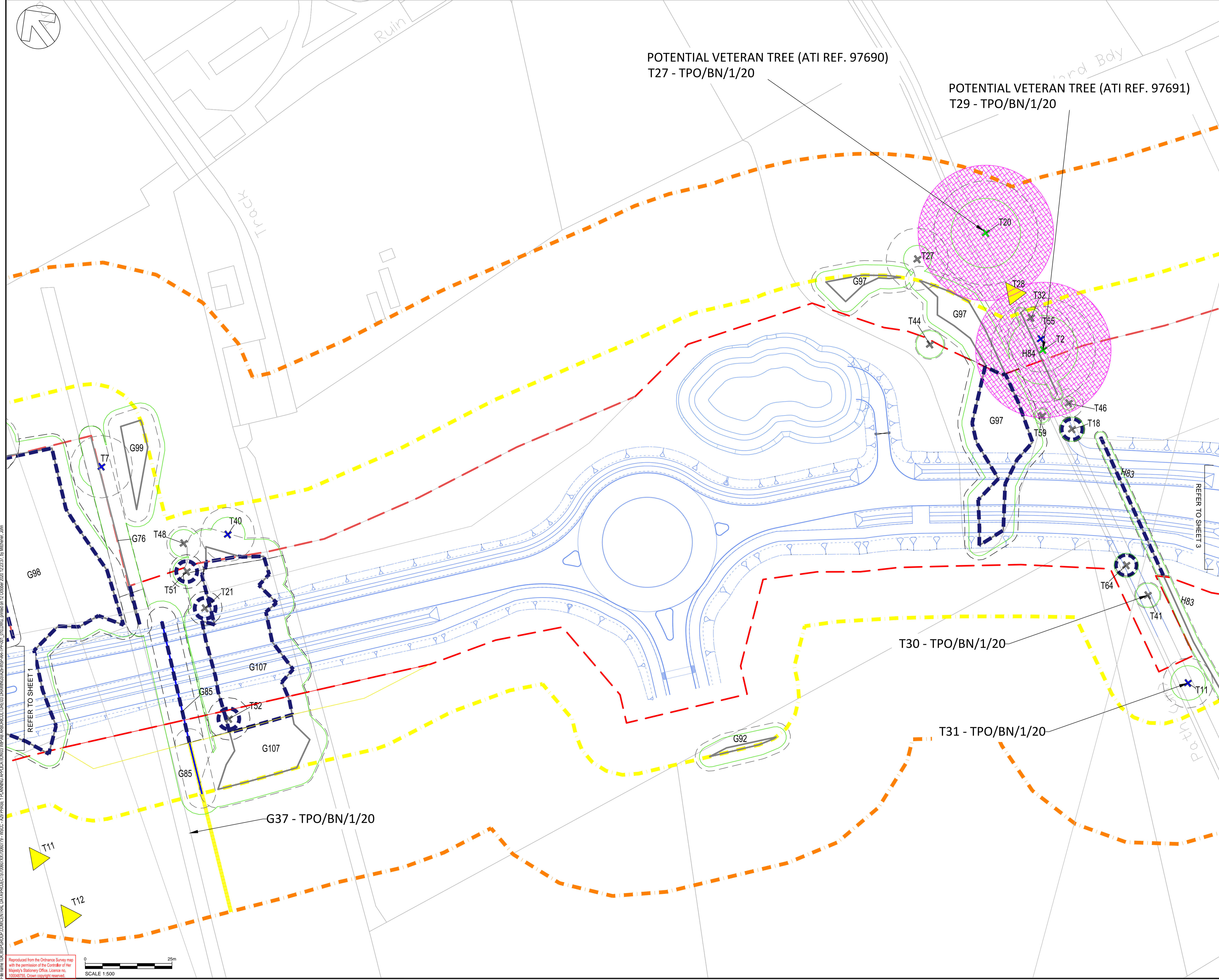
DO NOT SCALE

POTENTIAL VETERAN TREE (ATI REF. 97690)  
T27 - TPO/BN/1/20

POTENTIAL VETERAN TREE (ATI REF. 97691)  
T29 - TPO/BN/1/20

- NOTES:
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  - G TREE GROUP
  - H HEDGE
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- A CATEGORY / HIGH
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  - C CATEGORY / LOW
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  - TREE CANOPY
  - ARBORICULTURAL FEATURE TO BE REMOVED
  - TPO TREE (UN-SURVEYED)
  - TPO TREE GROUP (UN-SURVEYED)
  - TREE GROUP - UN-SURVEYED
  - PLANNING APPLICATION BOUNDARY
  - ARBORICULTURAL STUDY AREA (WALKOVER SURVEY)
  - ARBORICULTURAL STUDY AREA (DESK STUDY)



REV	DATE	BY	DESCRIPTION	CHK	APP
B	08/10/2020	JM	UPDATED RLB	CIT	ND
A	21/08/2020	JM	FIRST ISSUE	CIT	ND

DRAWING STATUS: **S3 - FOR REVIEW**

1 Capital Quarter, Tyndall St, Cardiff, CF10 4BZ, UK  
T+ 44 (0) 292 076 9200  
wsp.com

CLIENT: WEST SUSSEX COUNTY COUNCIL

ARCHITECT: -

SITE PROJECT: A29 REALIGNMENT PHASE 1

TITLE: TREE PROTECTION PLAN (TREE REMOVALS)  
(SHEET 2 OF 10)

SCALE @ A1:	CHECKED:	APPROVED:
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PROJECT NO:	DESIGNED:	DRAWN:	DATE:
70060779	JM	JM	October 20

DRAWING No: A29-WSP-AR-TPP-002 REV: B

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  3. THE WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE DFT MCHW, DMRB AND THE LOCAL REQUIREMENTS OF WEST SUSSEX COUNTY COUNCIL DESIGN GUIDE & SPECIFICATIONS.

- KEY:
- T TREE
  - G TREE GROUP
  - H HEDGE
- BS 5837 CATEGORY GRADING / QUALITY
- + A CATEGORY / HIGH
  - + B CATEGORY / MODERATE
  - + C CATEGORY / LOW
- ROOT PROTECTION AREA
  - SEMI-NATURAL BUFFER - POTENTIAL VETERAN TREES
  - TREE CANOPY
  - ARBORICULTURAL FEATURE TO BE REMOVED
  - ▲ TPO TREE (UN-SURVEYED)
  - ▲ TPO TREE GROUP (UN-SURVEYED)
  - ▲ TREE GROUP - UN-SURVEYED
  - PLANNING APPLICATION BOUNDARY
  - ARBORICULTURAL STUDY AREA (WALKOVER SURVEY)
  - ARBORICULTURAL STUDY AREA (DESK STUDY)

REV	DATE	BY	DESCRIPTION	CHK	APP
B	08/10/2020	JM	UPDATED RLB	CIT	ND
A	21/08/2020	JM	FIRST ISSUE	CIT	ND

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CLIENT: **WEST SUSSEX COUNTY COUNCIL**

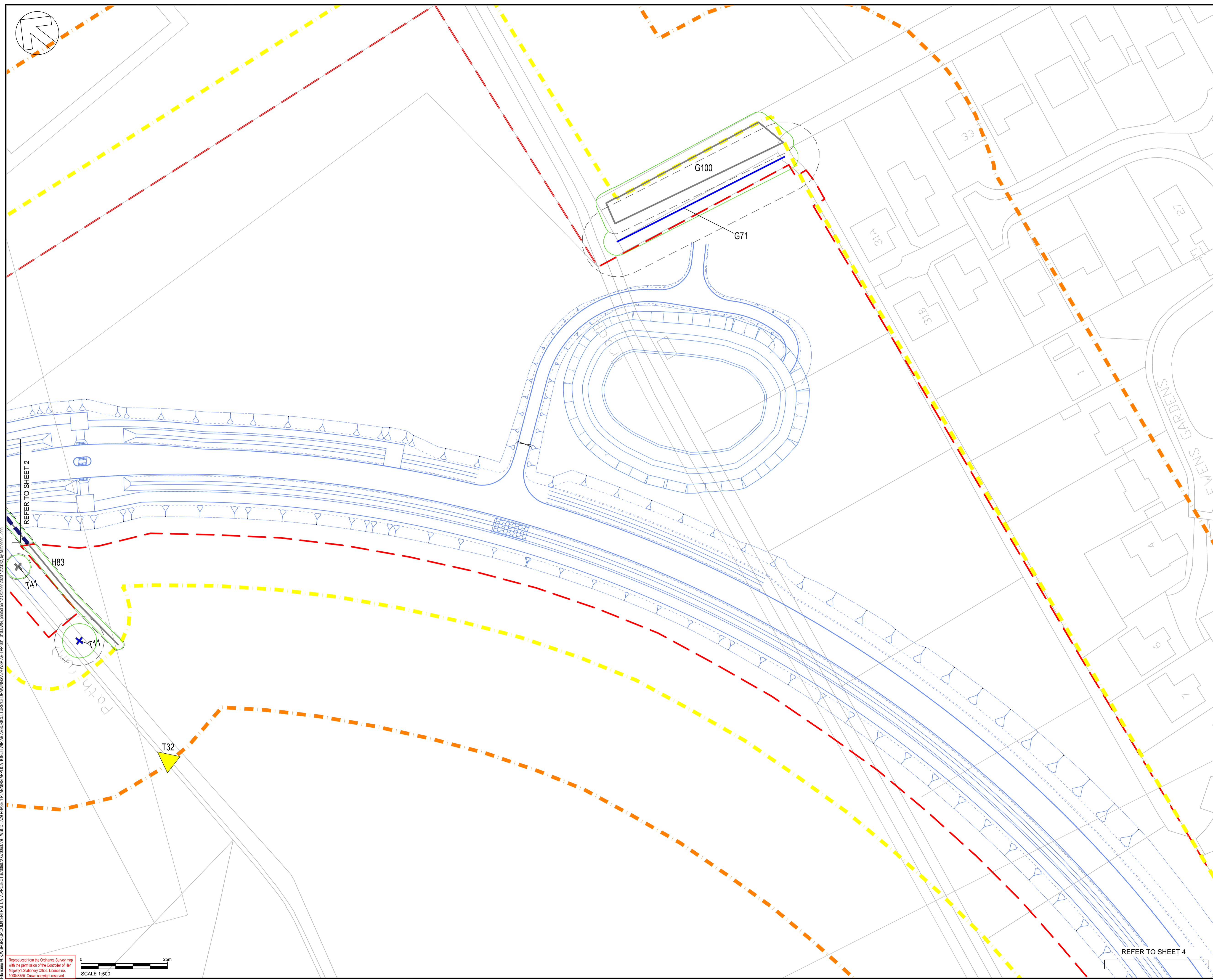
ARCHITECT: -

SITE PROJECT: **A29 REALIGNMENT PHASE 1**

TITLE: **TREE PROTECTION PLAN (TREE REMOVALS)  
(SHEET 3 OF 10)**

SCALE @ A1:	CHECKED:	APPROVED:
1:500	CIT	ND
PROJECT NO:	DESIGNED:	DRAWN:
70060779	JM	JM
DRAWING No:	DATE: October 20	
A29-WSP-AR-TPP-003	REV: B	

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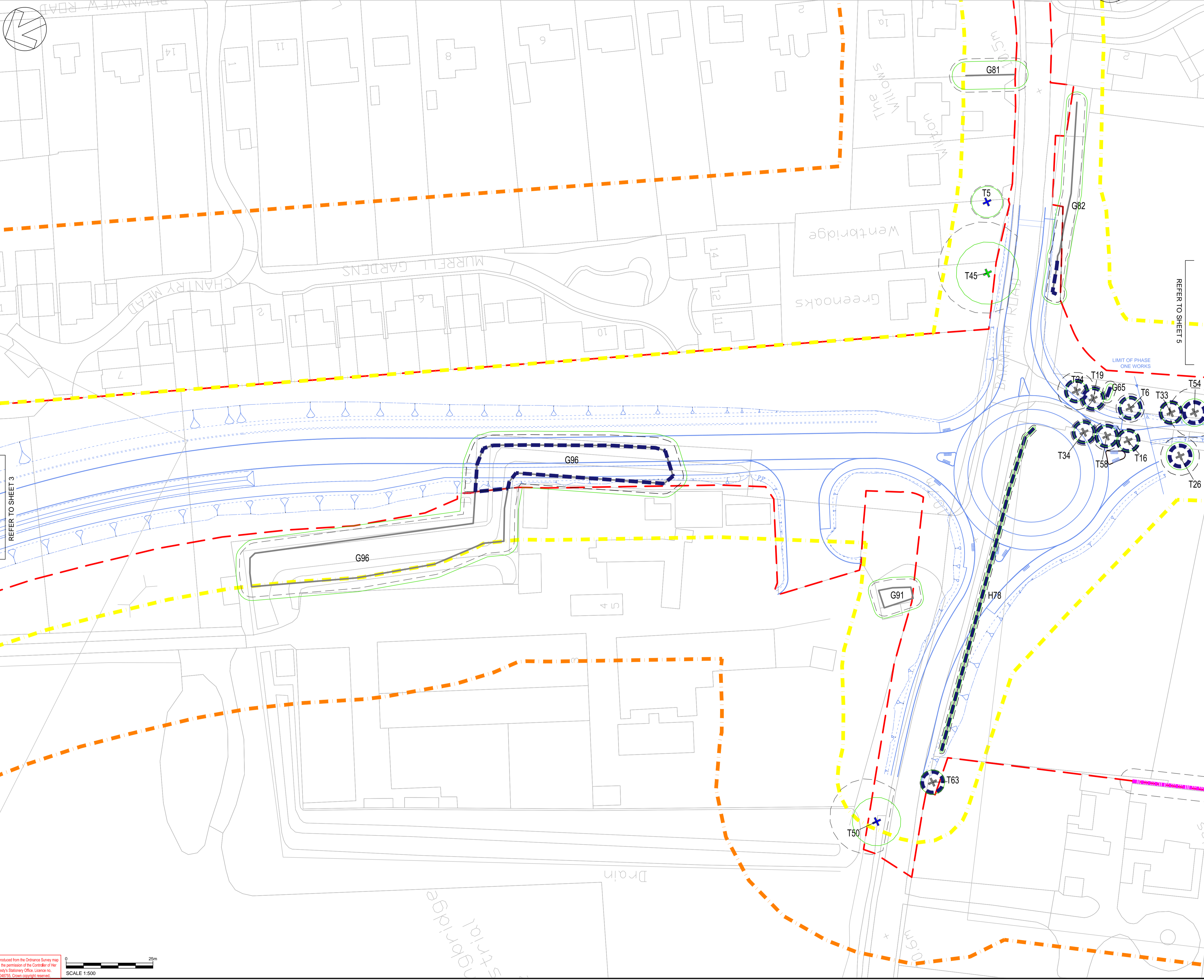


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- KEY:
- T TREE
  - G TREE GROUP
  - H HEDGE
- BS 5837 CATEGORY GRADING / QUALITY
- + A CATEGORY / HIGH
  - + B CATEGORY / MODERATE
  - + C CATEGORY / LOW
- ROOT PROTECTION AREA
  - SEMI-NATURAL BUFFER - POTENTIAL VETERAN TREES
  - TREE CANOPY
- ▭ ARBORICULTURAL FEATURE TO BE REMOVED
  - △ TPO TREE (UN-SURVEYED)
  - △ TPO TREE GROUP (UN-SURVEYED)
  - △ TREE GROUP - UN-SURVEYED
  - ▭ PLANNING APPLICATION BOUNDARY
  - ▭ ARBORICULTURAL STUDY AREA (WALKOVER SURVEY)
  - ▭ ARBORICULTURAL STUDY AREA (DESK STUDY)

REV	DATE	BY	DESCRIPTION	CHK	APP
B	08/10/2020	JM	UPDATED RLB	CIT	ND
A	21/08/2020	JM	FIRST ISSUE	CIT	ND

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CLIENT: **WEST SUSSEX COUNTY COUNCIL**

ARCHITECT: -

SITE PROJECT: **A29 REALIGNMENT PHASE 1**

TITLE: **TREE PROTECTION PLAN (TREE REMOVALS) (SHEET 4 OF 10)**

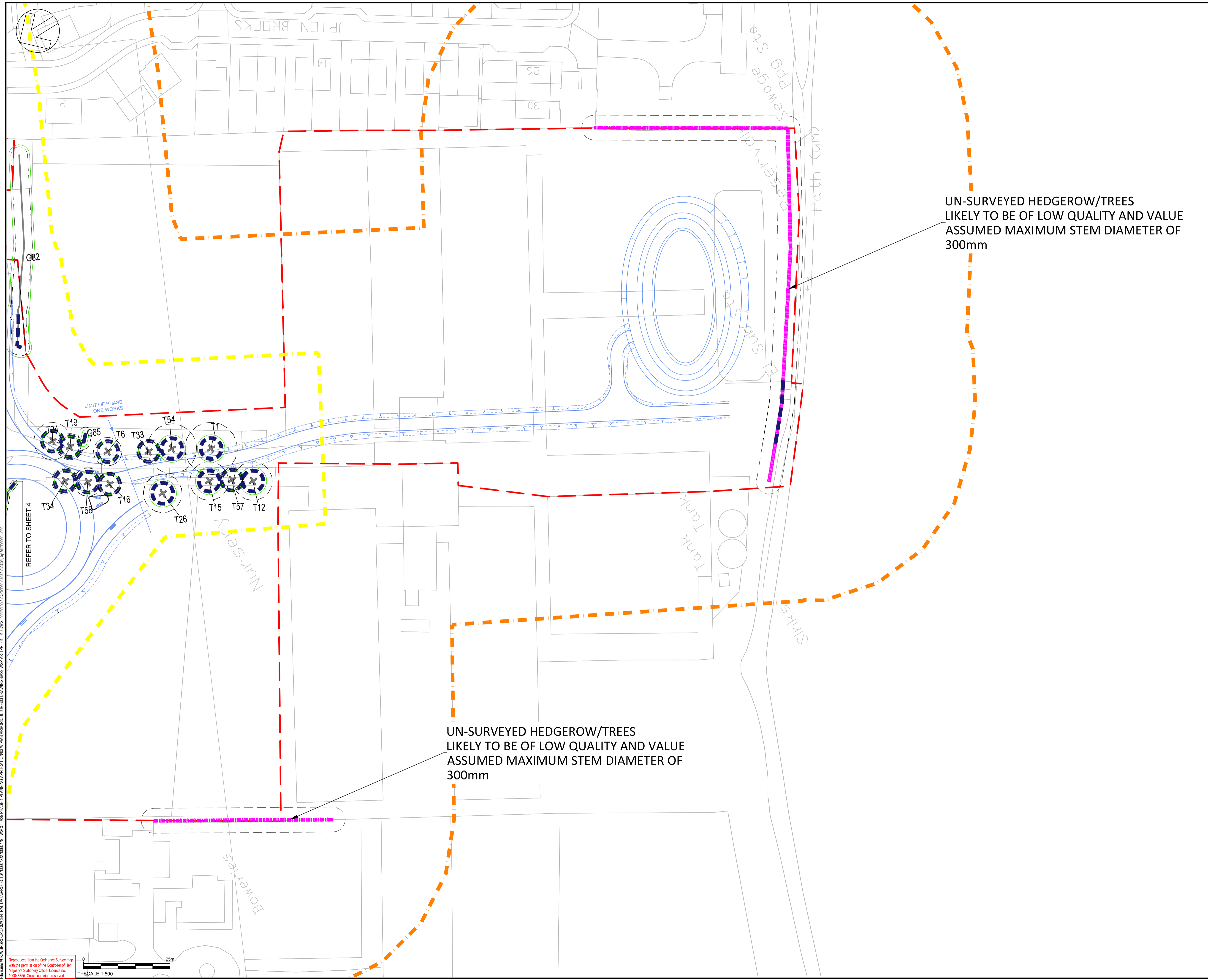
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1:500	CIT	ND
PROJECT NO:	DESIGNED:	DRAWN:
70060779	JM	JM
DRAWING No:	DATE:	REV:
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**KEY:**

- T TREE
- G TREE GROUP
- H HEDGE
- BS 8837 CATEGORY GRADING / QUALITY**
- + A CATEGORY / HIGH
- + B CATEGORY / MODERATE
- + C CATEGORY / LOW
- ROOT PROTECTION AREA
- SEMI-NATURAL BUFFER - POTENTIAL VETERAN TREES
- TREE CANOPY
- ARBORICULTURAL FEATURE TO BE REMOVED
- △ TPO TREE (UN-SURVEYED)
- △ TPO TREE GROUP (UN-SURVEYED)
- △ TREE GROUP - UN-SURVEYED
- ▭ PLANNING APPLICATION BOUNDARY
- ▭ ARBORICULTURAL STUDY AREA (WALKOVER SURVEY)
- ▭ ARBORICULTURAL STUDY AREA (DESK STUDY)

REV	DATE	BY	DESCRIPTION	CHK	APP
B	08/10/2020	JM	UPDATED RLB	CIT	ND
A	21/08/2020	JM	FIRST ISSUE	CIT	ND

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CLIENT: **WEST SUSSEX COUNTY COUNCIL**

ARCHITECT: -

SITE PROJECT: **A29 REALIGNMENT PHASE 1**

TITLE: **TREE PROTECTION PLAN (TREE REMOVALS) (SHEET 5 OF 10)**

SCALE @ A1:	1:500	CHECKED:	CIT	APPROVED:	ND
PROJECT NO.:	70060779	DESIGNED:	JM	DRAWN:	JM
				DATE:	October 20

DRAWING No: **A29-WSP-AR-TPP-005** REV: **B**

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- KEY:
- T TREE
  - G TREE GROUP
  - H HEDGE
- BS 5827 CATEGORY GRADING / QUALITY
- + A CATEGORY / HIGH
  - + B CATEGORY / MODERATE
  - + C CATEGORY / LOW
- ROOT PROTECTION AREA
  - SEMI-NATURAL BUFFER - POTENTIAL VETERAN TREES
  - TREE CANOPY
- ▭ TREE PROTECTION FENCING
  - ▭ AREA OF MAXIMUM VEGETATION RETENTION WHERE POSSIBLE
  - ▲ TPO TREE (UN-SURVEYED)
  - ▲ TPO TREE GROUP (UN-SURVEYED)
  - ▲ TREE GROUP - UN-SURVEYED
  - ▭ PLANNING APPLICATION BOUNDARY
  - ▭ ARBORICULTURAL STUDY AREA (WALKOVER SURVEY)
  - ▭ ARBORICULTURAL STUDY AREA (DESK STUDY)

REV	DATE	BY	DESCRIPTION	CHK	APP
B	08/10/2020	JM	UPDATED RLB	CIT	ND
A	21/08/2020	JM	FIRST ISSUE	CIT	ND

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ARCHITECT:

SITE PROJECT: **A29 REALIGNMENT PHASE 1**

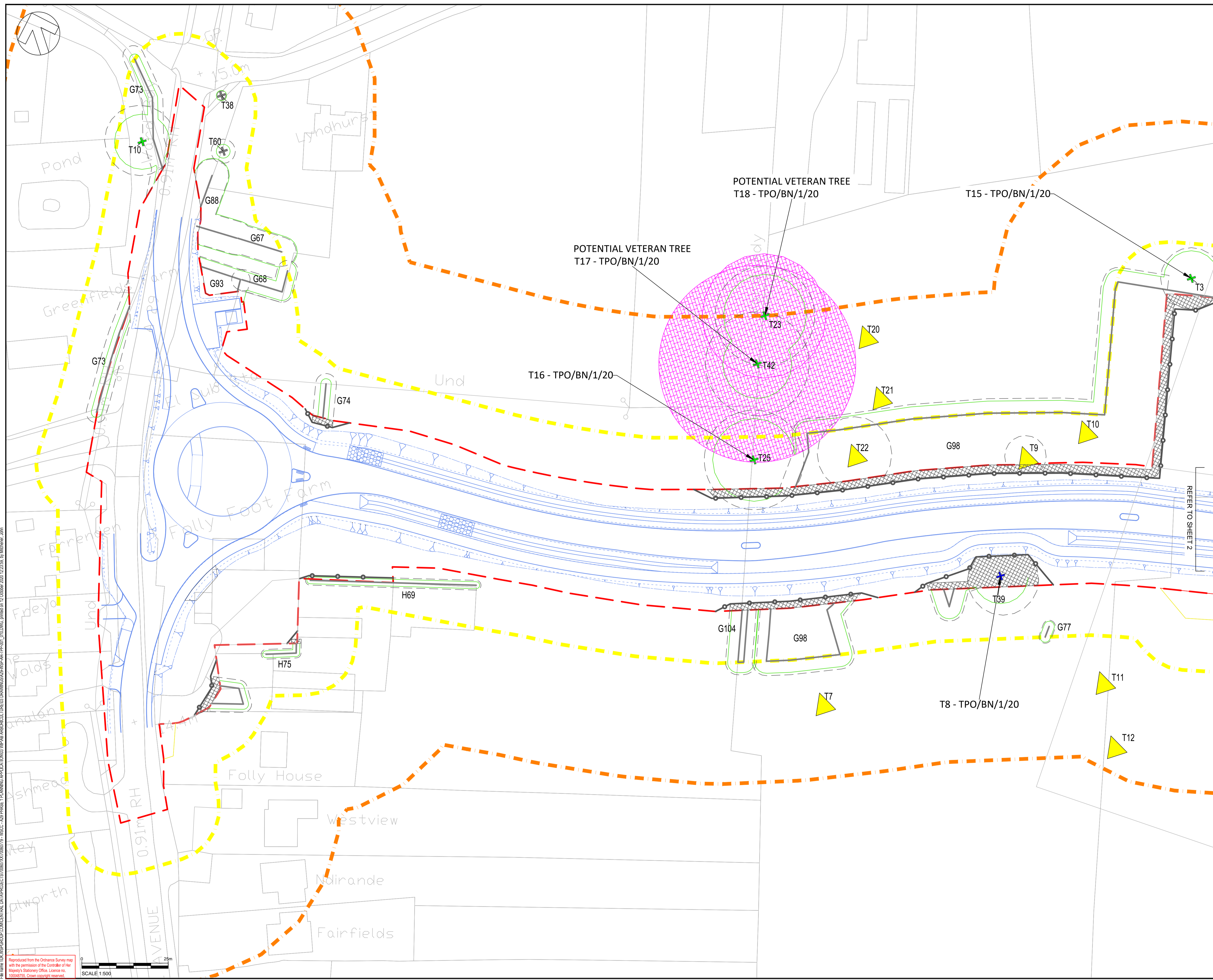
TITLE: **TREE PROTECTION PLAN (SHEET 6 OF 10)**

SCALE @ A1:	CHECKED:	APPROVED:
1:500	CIT	ND

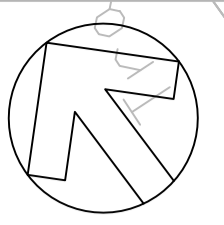
PROJECT NO:	DESIGNED:	DRAWN:	DATE:
70060779	JM	JM	October 20

DRAWING No:	REV:
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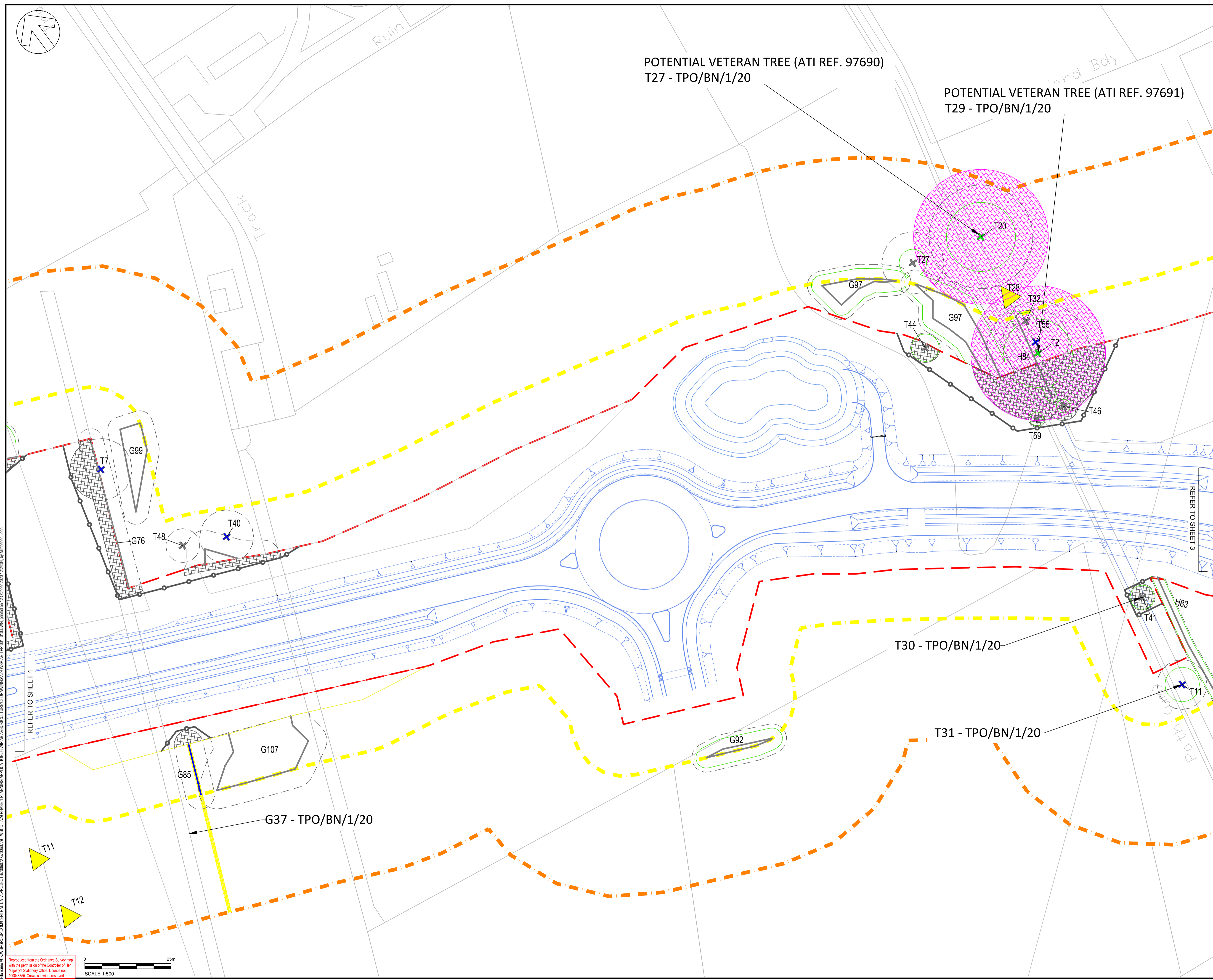
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- KEY:
- T TREE
  - G TREE GROUP
  - H HEDGE
- BS 5837 CATEGORY GRADING / QUALITY
- A CATEGORY / HIGH
  - B CATEGORY / MODERATE
  - C CATEGORY / LOW
- ROOT PROTECTION AREA
  - SEMI-NATURAL BUFFER - POTENTIAL VETERAN TREES
  - TREE CANOPY
  - TREE PROTECTION FENCING
  - AREA OF MAXIMUM VEGETATION RETENTION WHERE POSSIBLE
  - TPO TREE (UN-SURVEYED)
  - TPO TREE GROUP (UN-SURVEYED)
  - TREE GROUP - UN-SURVEYED
  - PLANNING APPLICATION BOUNDARY
  - ARBORICULTURAL STUDY AREA (WALKOVER SURVEY)
  - ARBORICULTURAL STUDY AREA (DESK STUDY)

POTENTIAL VETERAN TREE (ATI REF. 97690)  
T27 - TPO/BN/1/20

POTENTIAL VETERAN TREE (ATI REF. 97691)  
T29 - TPO/BN/1/20



REV	DATE	BY	DESCRIPTION	CHK	APP
B	08/10/2020	JM	UPDATED RLB	CIT	ND
A	21/08/2020	JM	FIRST ISSUE	CIT	ND

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CLIENT: WEST SUSSEX COUNTY COUNCIL

ARCHITECT:

SITE PROJECT: A29 REALIGNMENT PHASE 1

TITLE: TREE PROTECTION PLAN (SHEET 7 OF 10)

SCALE @ A1:	CHECKED:	APPROVED:
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PROJECT NO:	DESIGNED:	DRAWN:	DATE:
70060779	JM	JM	October 20

DRAWING No: A29-WSP-AR-TPP-007 REV: B

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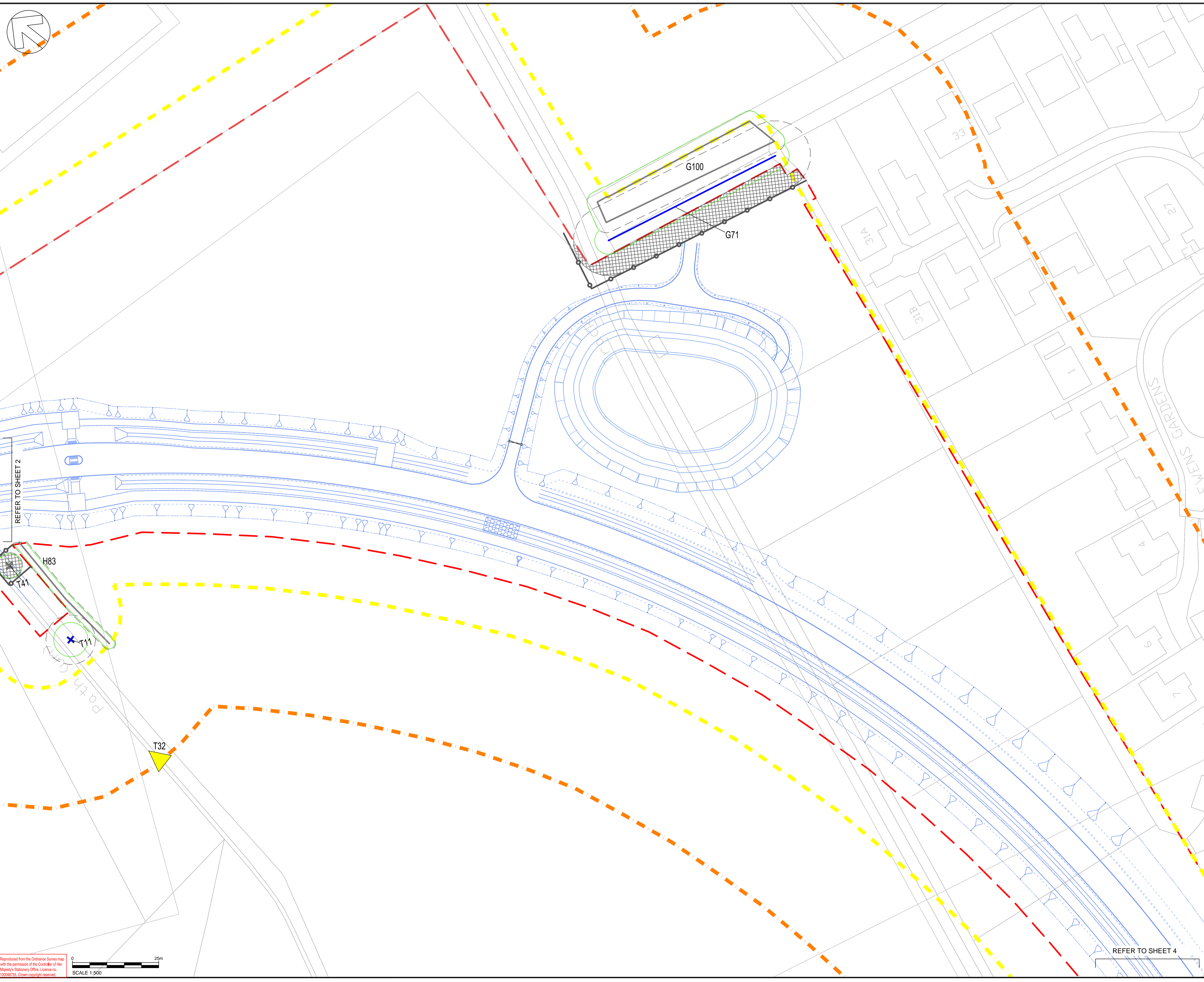
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REFER TO SHEET 3



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KEY:

- T TREE
- G TREE GROUP
- H HEDGE

BS 5827 CATEGORY GRADING / QUALITY

- + A CATEGORY / HIGH
- + B CATEGORY / MODERATE
- + C CATEGORY / LOW

- ROOT PROTECTION AREA
- SEMI-NATURAL BUFFER - POTENTIAL VETERAN TREES
- TREE CANOPY
- ▭ TREE PROTECTION FENCING
- ▭ AREA OF MAXIMUM VEGETATION RETENTION WHERE POSSIBLE
- ▲ TPO TREE (UN-SURVEYED)
- ▲ TPO TREE GROUP (UN-SURVEYED)
- ▲ TREE GROUP - UN-SURVEYED
- ▭ PLANNING APPLICATION BOUNDARY
- ▭ ARBORICULTURAL STUDY AREA (WALKOVER SURVEY)
- ▭ ARBORICULTURAL STUDY AREA (DESK STUDY)

REV	DATE	BY	DESCRIPTION	CHK	APP
B	08/10/2020	JM	UPDATED RLB	CIT	ND
A	21/08/2020	JM	FIRST ISSUE	CIT	ND

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CLIENT: **WEST SUSSEX COUNTY COUNCIL**

ARCHITECT: -

SITE PROJECT: **A29 REALIGNMENT PHASE 1**

TITLE: **TREE PROTECTION PLAN (SHEET 8 OF 10)**

SCALE @ A1:	1:500	CHECKED:	CIT	APPROVED:	ND
PROJECT NO.:	70060779	DESIGNED:	JM	DRAWN:	JM
				DATE:	October 20

DRAWING No: **A29-WSP-AR-TPP-008** REV: **B**

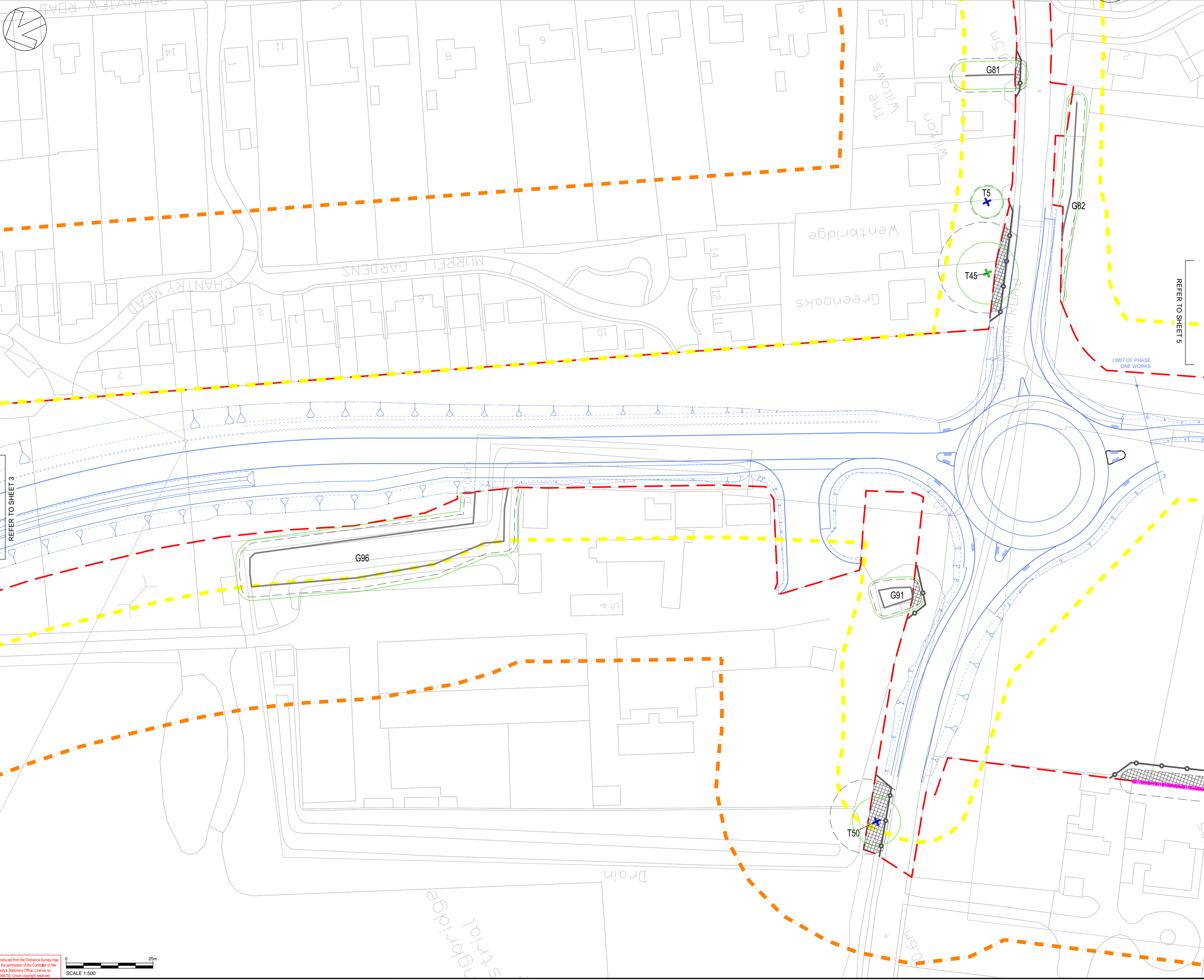
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REFER TO SHEET 2

REFER TO SHEET 4





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KEY:

- T TREE
- G TREE GROUP
- H HEDGE

BS 5827 CATEGORY GRADING / QUALITY

- + A CATEGORY / HIGH
- + B CATEGORY / MODERATE
- + C CATEGORY / LOW

- ROOT PROTECTION AREA
- SEMI-NATURAL BUFFER - POTENTIAL VETERAN TREES
- TREE CANOPY
- TREE PROTECTION FENCING
- AREA OF MAXIMUM VEGETATION RETENTION WHERE POSSIBLE
- △ TPO TREE (UN-SURVEYED)
- △ TPO TREE GROUP (UN-SURVEYED)
- △ TREE GROUP - UN-SURVEYED
- △ TREE GROUP - UN-SURVEYED
- PLANNING APPLICATION BOUNDARY
- ARBORICULTURAL STUDY AREA (WALKOVER SURVEY)
- ARBORICULTURAL STUDY AREA (DESK STUDY)

REV	DATE	BY	DESCRIPTION	CHK	APP
B	08/10/2020	JM	UPDATED RLB	CIT	ND
A	21/08/2020	JM	FIRST ISSUE	CIT	ND

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CLIENT: WEST SUSSEX COUNTY COUNCIL

ARCHITECT: -

SITE PROJECT: A29 REALIGNMENT PHASE 1

TITLE: TREE PROTECTION PLAN (SHEET 9 OF 10)

SCALE @ A1:	CHECKED:	APPROVED:	
1:500	CIT	ND	
PROJECT NO:	DESIGNED:	DRAWN:	DATE:
70060779	JM	JM	October 20

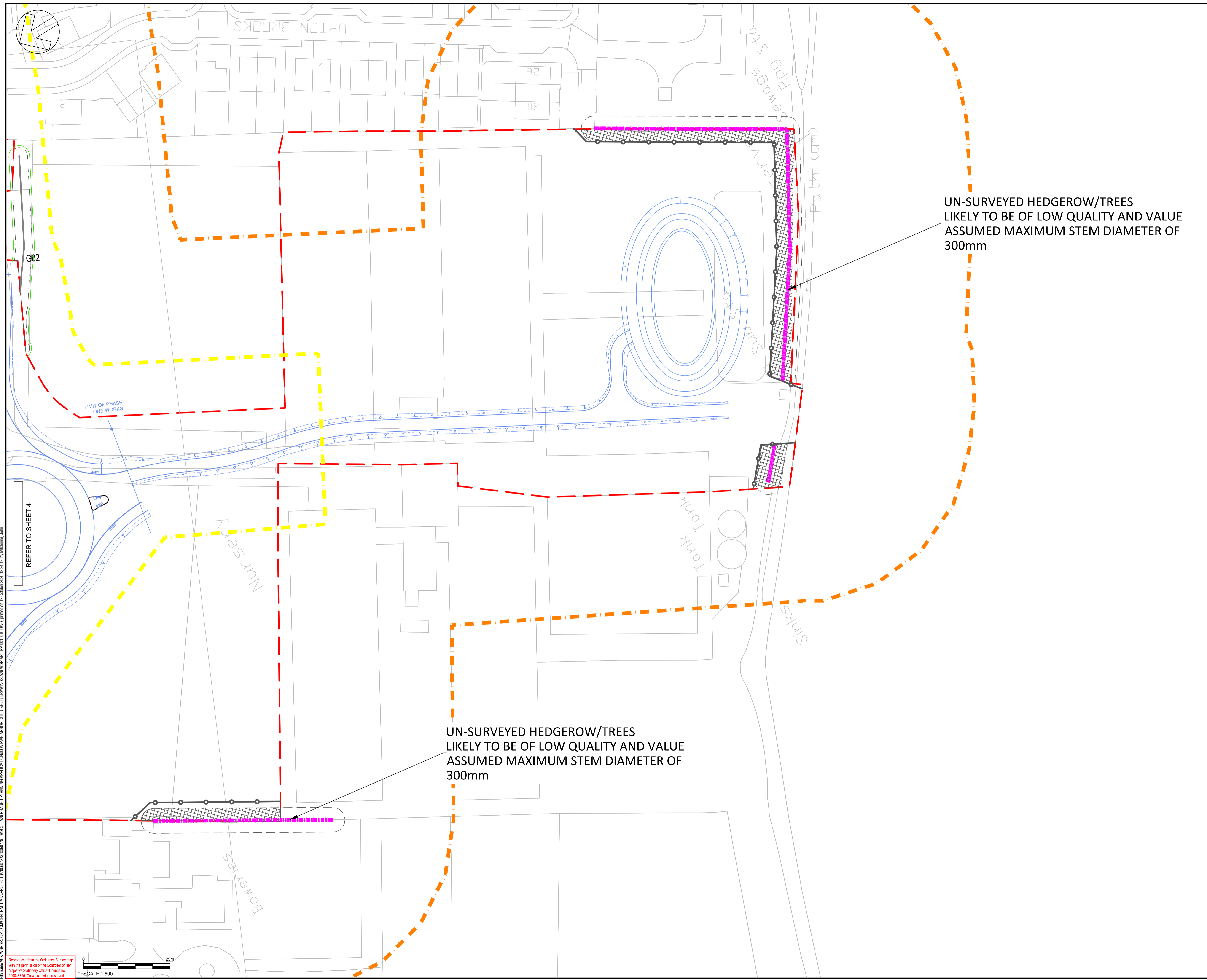
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UN-SURVEYED HEDGEROW/TREES  
 LIKELY TO BE OF LOW QUALITY AND VALUE  
 ASSUMED MAXIMUM STEM DIAMETER OF  
 300mm

UN-SURVEYED HEDGEROW/TREES  
 LIKELY TO BE OF LOW QUALITY AND VALUE  
 ASSUMED MAXIMUM STEM DIAMETER OF  
 300mm

DO NOT SCALE

- NOTES:
1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
  2. DO NOT SCALE, IF IN DOUBT CONTACT WSP PROJECT MANAGER.
  3. THE WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE DFT MCHW, DMRB AND THE LOCAL REQUIREMENTS OF WEST SUSSEX COUNTY COUNCIL DESIGN GUIDE & SPECIFICATIONS.

KEY:

T	TREE
G	TREE GROUP
H	HEDGE
BS 5837 CATEGORY GRADING / QUALITY	
+	A CATEGORY / HIGH
+	B CATEGORY / MODERATE
+	C CATEGORY / LOW
○	ROOT PROTECTION AREA
○	SEMI-NATURAL BUFFER - POTENTIAL VETERAN TREES
○	TREE CANOPY
⊠	TREE PROTECTION FENCING
⊠	AREA OF MAXIMUM VEGETATION RETENTION WHERE POSSIBLE
△	TPO TREE (UN-SURVEYED)
△	TPO TREE GROUP (UN-SURVEYED)
■	TREE GROUP - UN-SURVEYED
⬮	PLANNING APPLICATION BOUNDARY
⬮	ARBORICULTURAL STUDY AREA (WALKOVER SURVEY)
⬮	ARBORICULTURAL STUDY AREA (DESK STUDY)

REV	DATE	BY	DESCRIPTION	CHK	APP
B	08/10/2020	JM	UPDATED RLB	CIT	ND
A	21/08/2020	JM	FIRST ISSUE	CIT	ND

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CLIENT: WEST SUSSEX COUNTY COUNCIL

ARCHITECT: -

SITE PROJECT: A29 REALIGNMENT PHASE 1

TITLE: TREE PROTECTION PLAN (SHEET 10 OF 10)

SCALE @ A1: 1:500	CHECKED: CIT	APPROVED: ND
PROJECT NO: 70060779	DESIGNED: JM	DRAWN: JM
		DATE: October 20

DRAWING No: A29-WSP-AR-TPP-010 REV: B

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