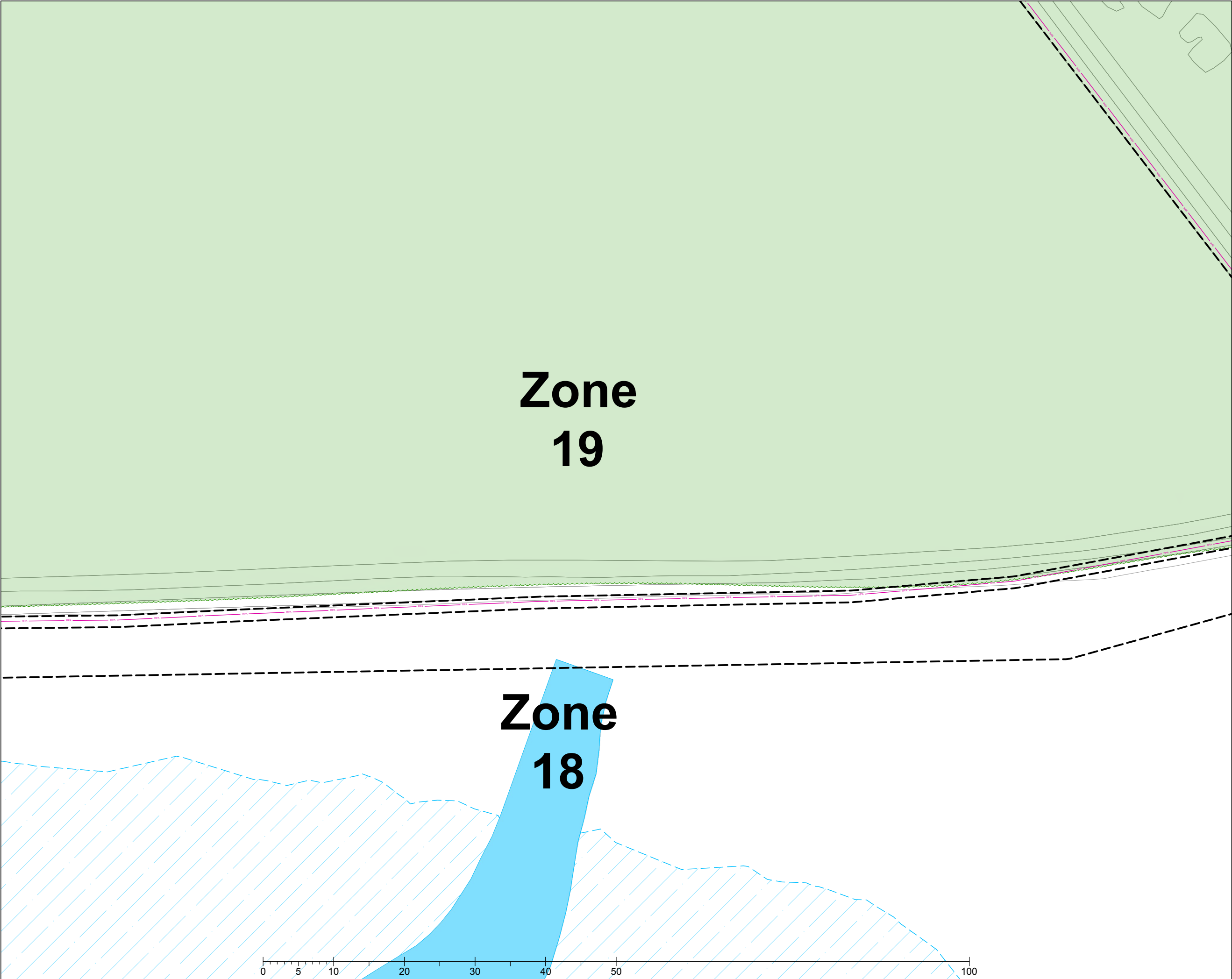
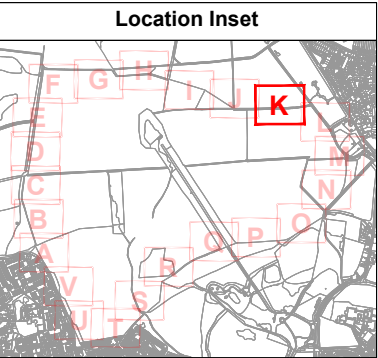




Key

- Indicative collective crown spreads
- Root protection area
- Proposed embankments
- Future flooded extent of reservoir
- Proposed tracks, roads and paths
- Proposed swales
- Indicative line of proposed underground services
- Phase 5 bi-directional pipeline



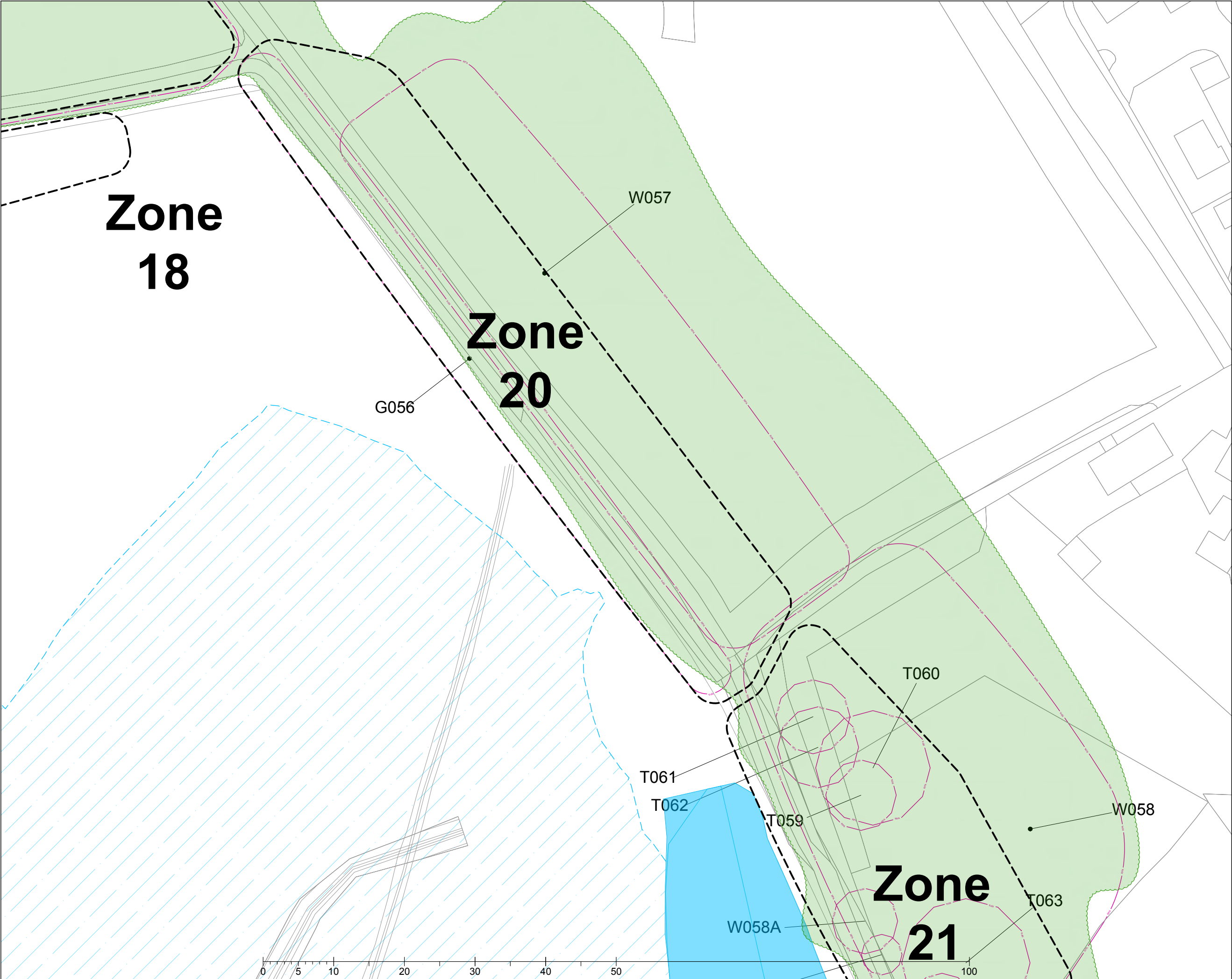
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Location:
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Hampshire**

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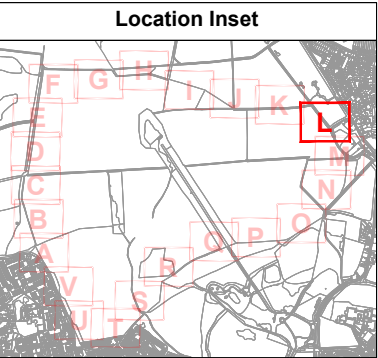
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Key

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- Indicative line of proposed underground services
- Phase 5 bi-directional pipeline



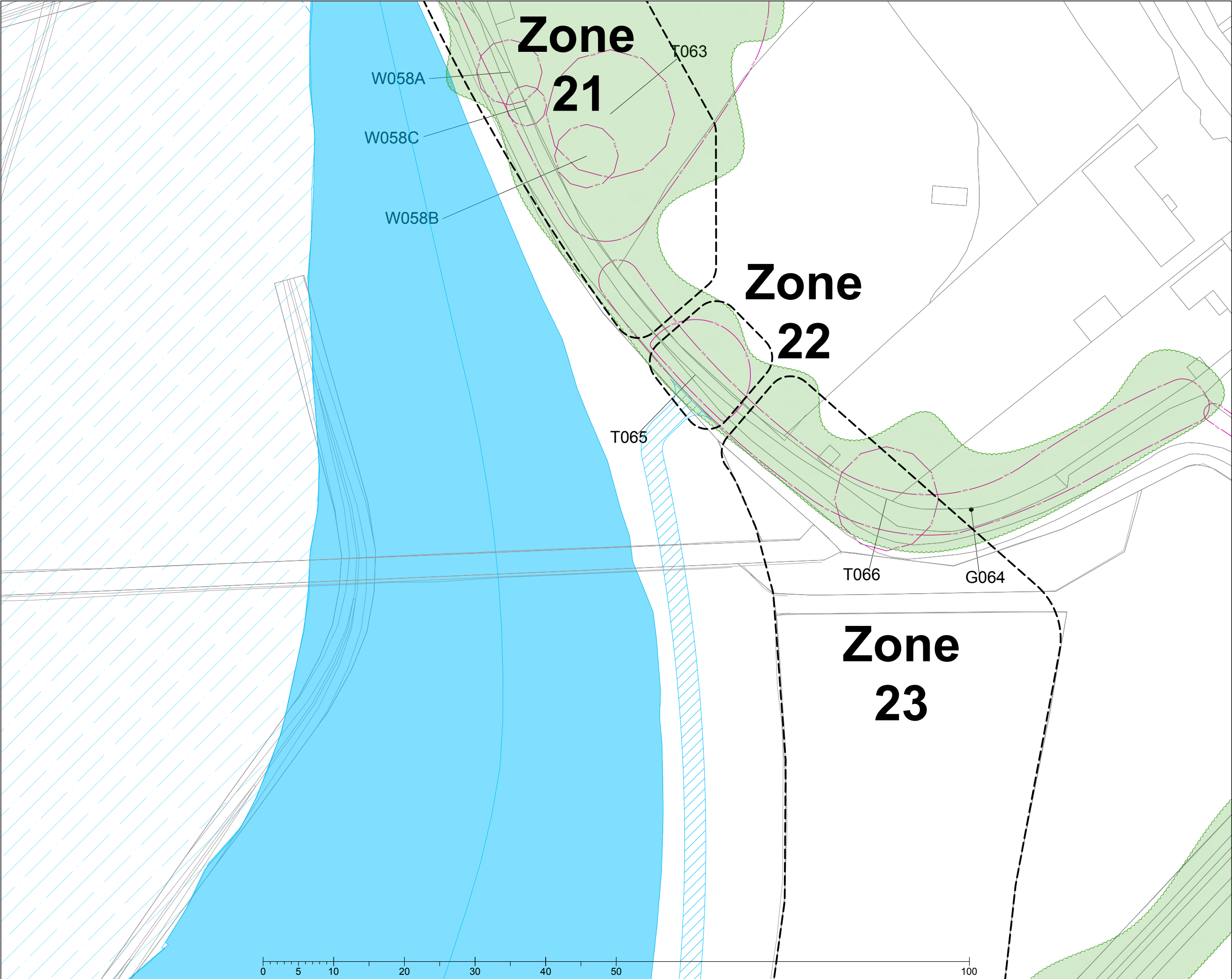
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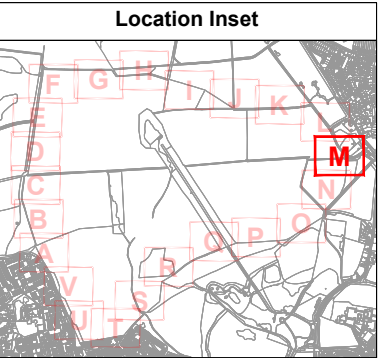
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Key

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- Indicative line of proposed underground services
- Phase 5 bi-directional pipeline

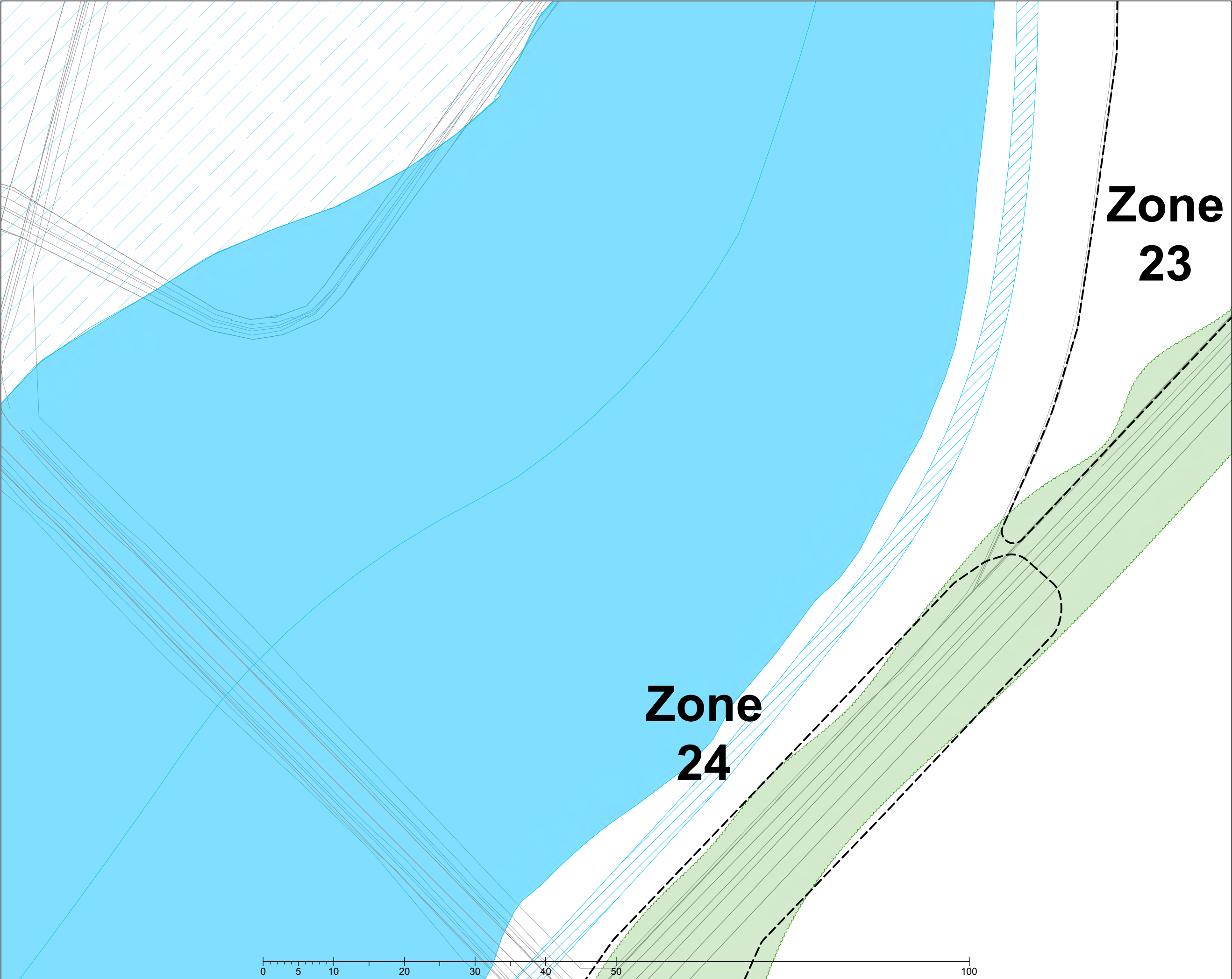


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Location:
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Hampshire**

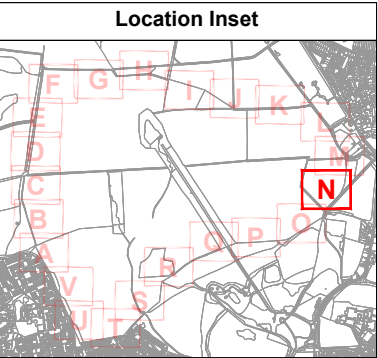
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Key

- Indicative collective crown spreads
- Root protection area
- Proposed embankments
- Future flooded extent of reservoir
- Proposed tracks, roads and paths
- Proposed swales
- Indicative line of proposed underground services
- Phase 5 bi-directional pipeline



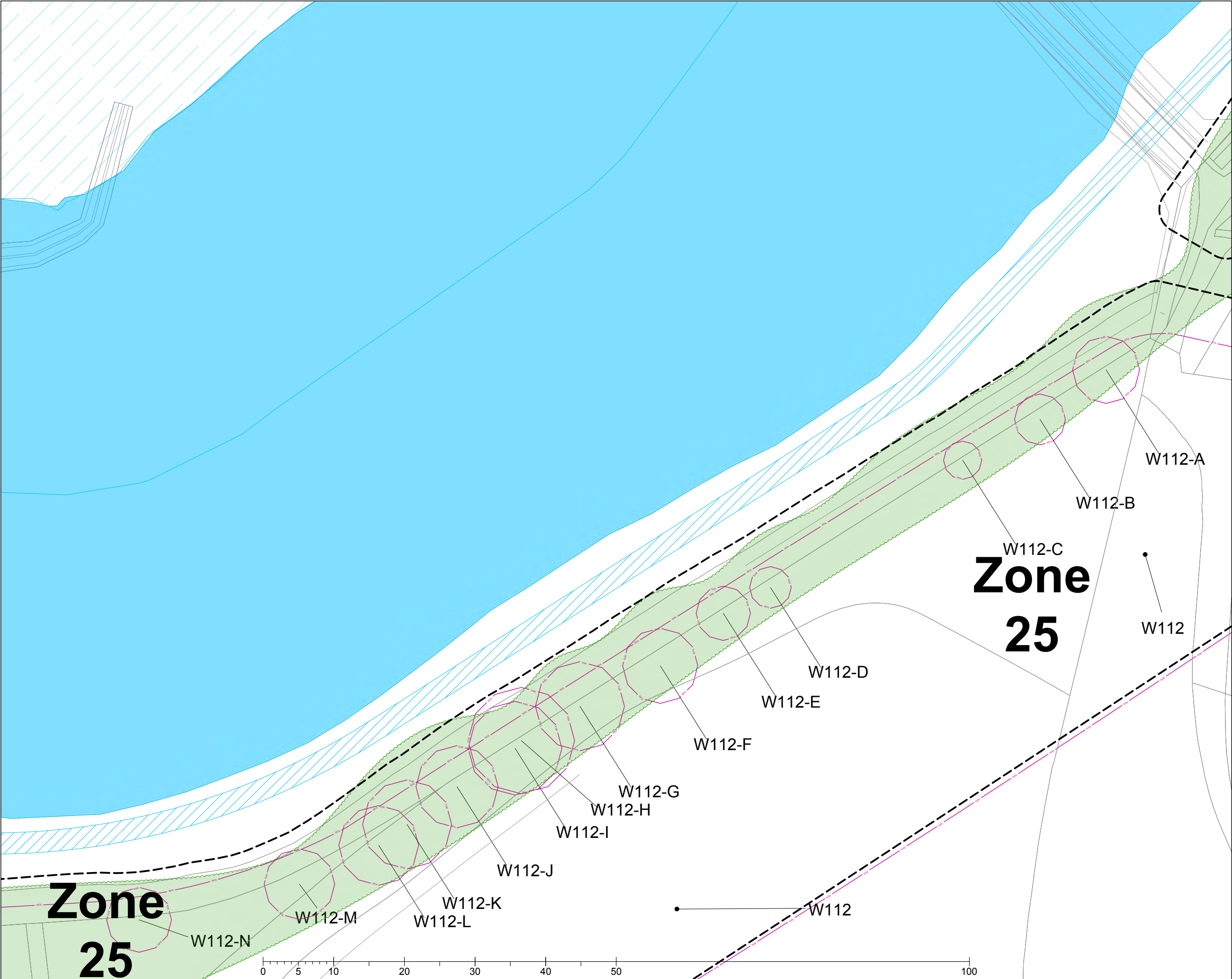
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Key

Indicative collective crown spreads

Root protection area

Proposed embankments

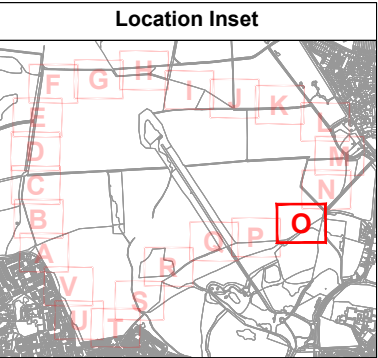
Future flooded extent of reservoir

Proposed tracks, roads and paths

Proposed swales

Indicative line of proposed underground services

Phase 5 bi-directional pipeline



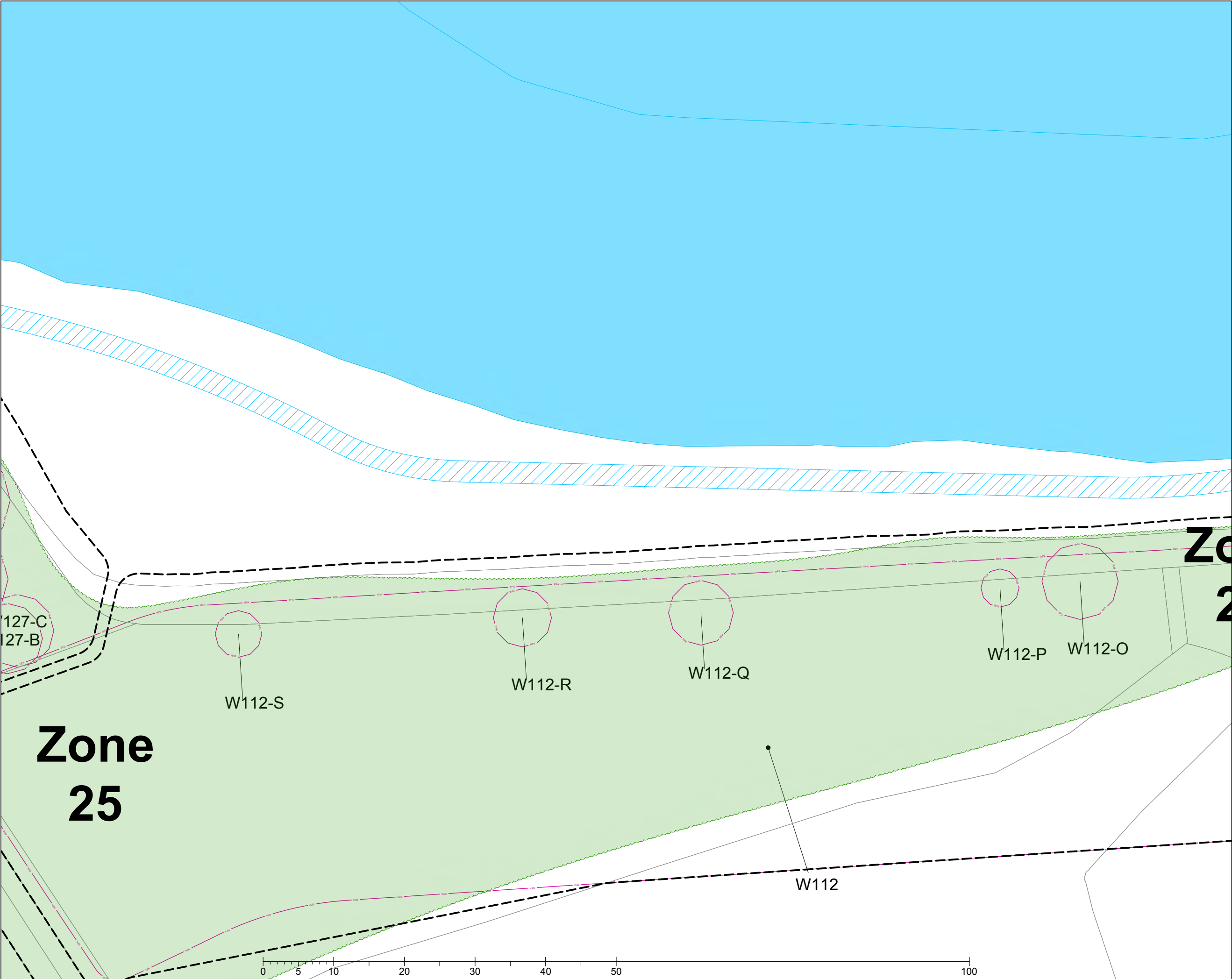
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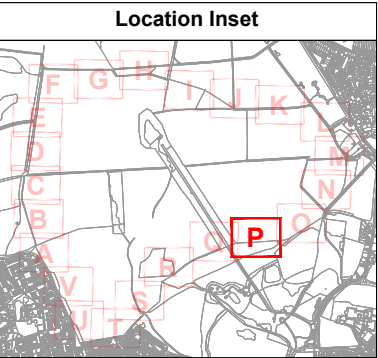
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Key

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- Root protection area
- Proposed embankments
- Future flooded extent of reservoir
- Proposed tracks, roads and paths
- Proposed swales
- Indicative line of proposed underground services
- Phase 5 bi-directional pipeline



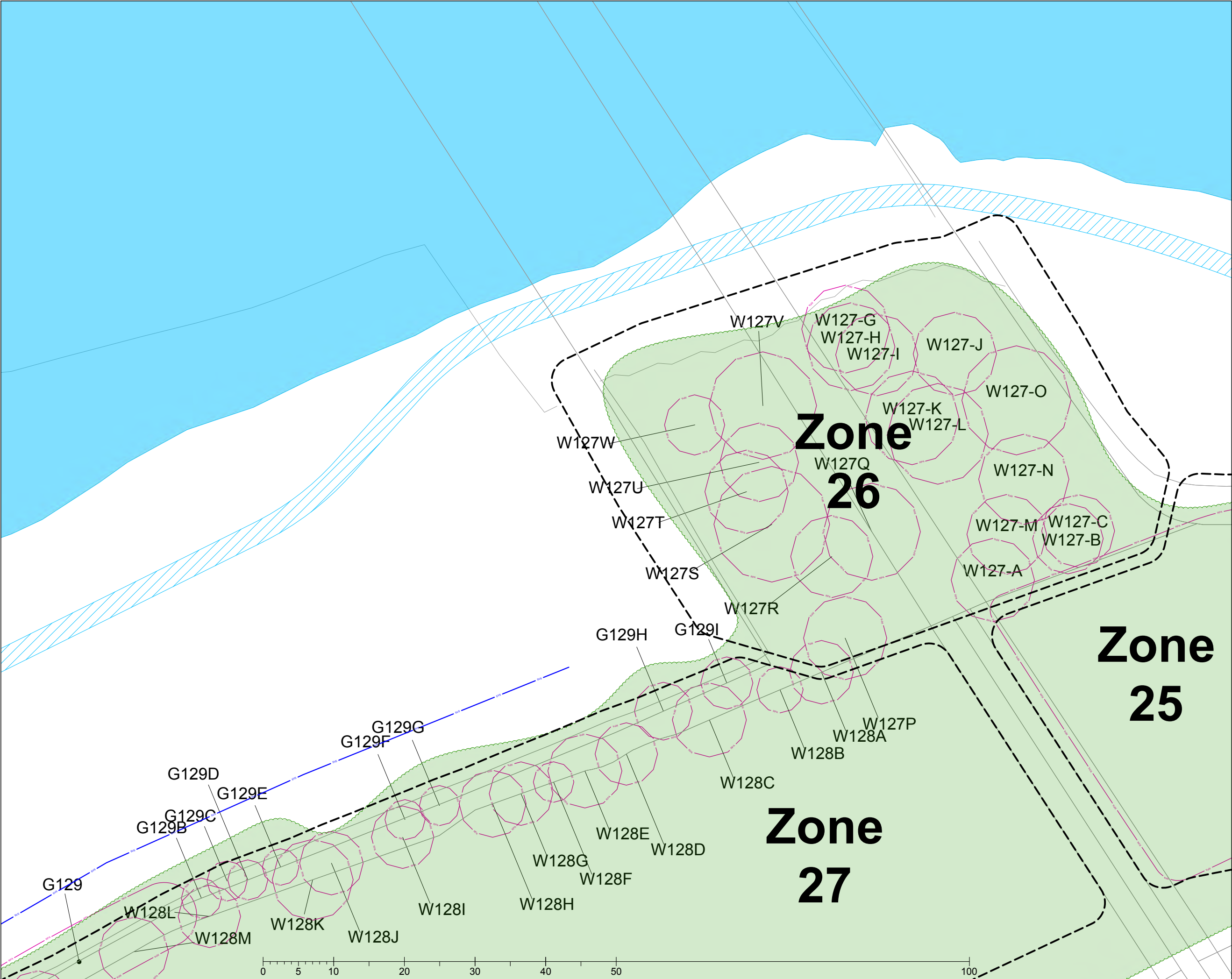
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Key

Indicative collective crown spreads

Root protection area

Proposed embankments

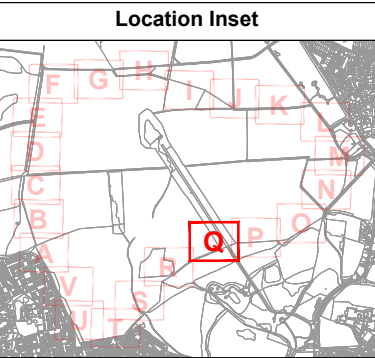
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Proposed tracks, roads and paths

Proposed swales

Indicative line of proposed underground services

Phase 5 bi-directional pipeline

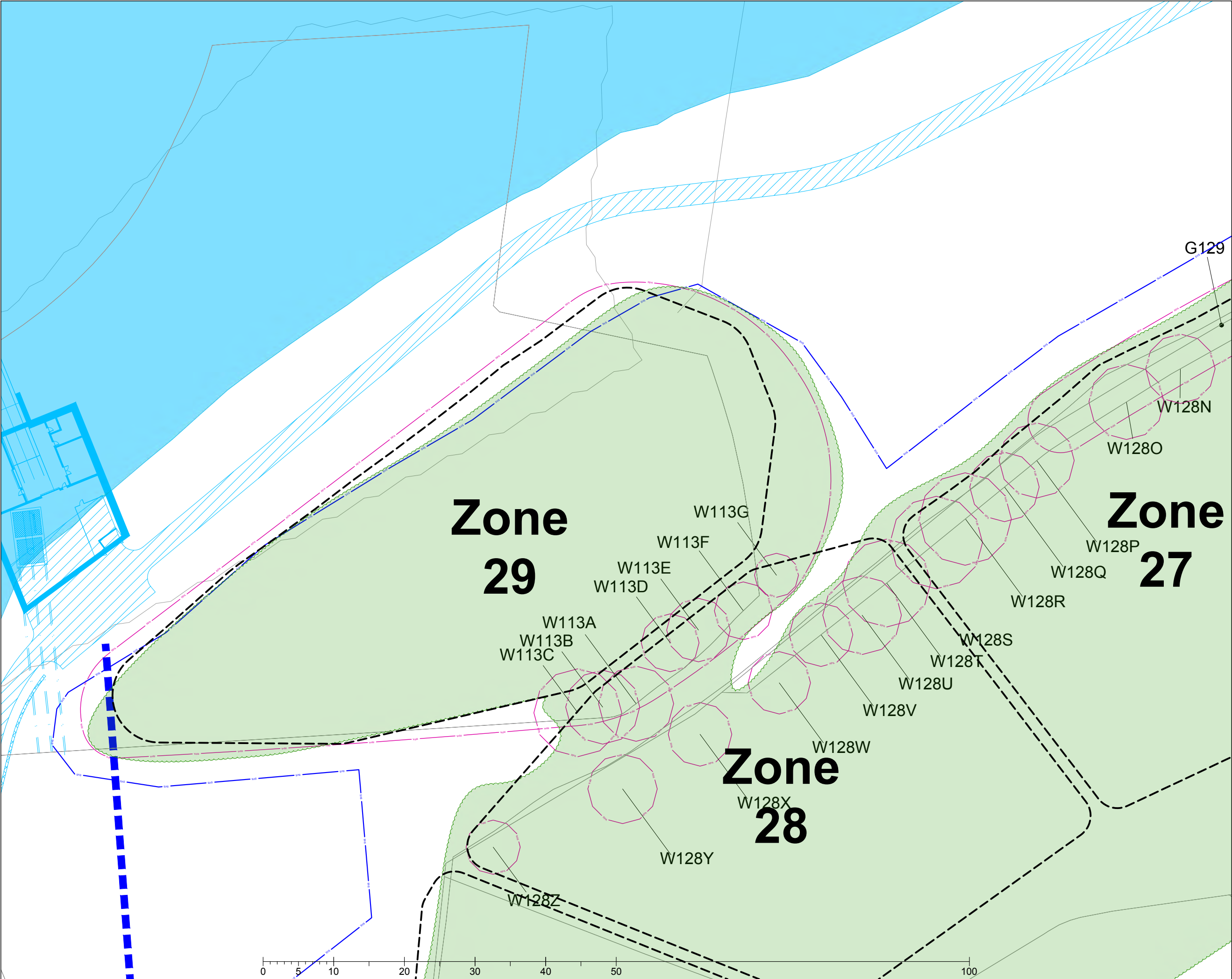


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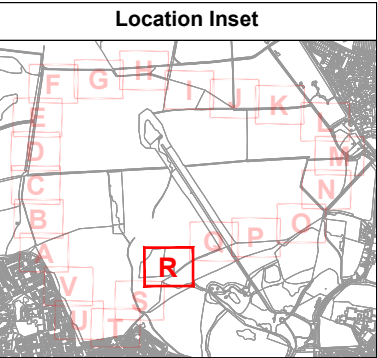
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- Key**
- Indicative collective crown spreads
 - Root protection area
 - Proposed embankments
 - Future flooded extent of reservoir
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 - Proposed swales
 - Indicative line of proposed underground services
 - Phase 5 bi-directional pipeline



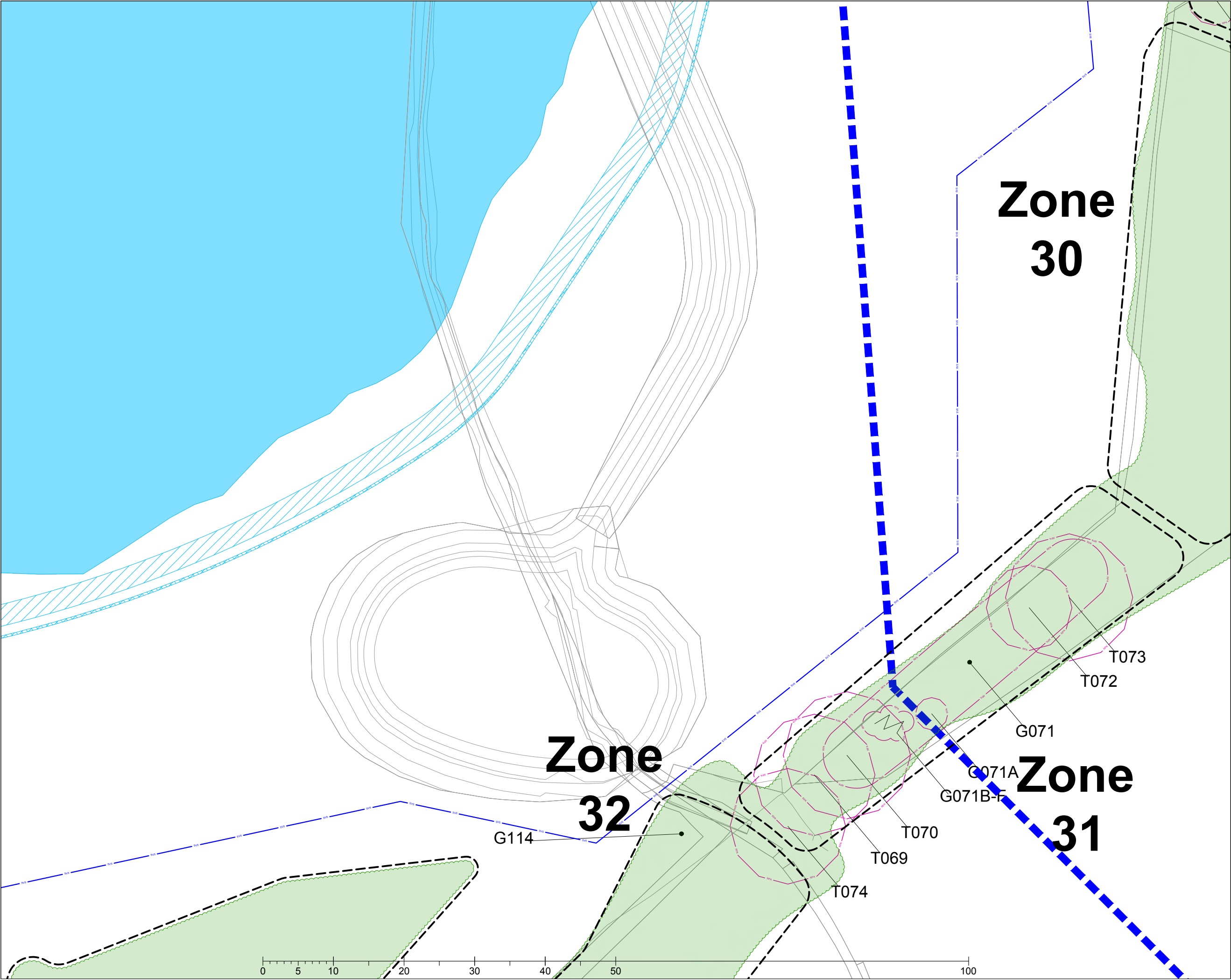
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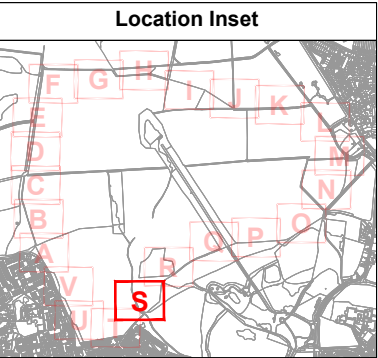
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Key

- Indicative collective crown spreads
- Root protection area
- Proposed embankments
- Future flooded extent of reservoir
- Proposed tracks, roads and paths
- Proposed swales
- Indicative line of proposed underground services
- Phase 5 bi-directional pipeline



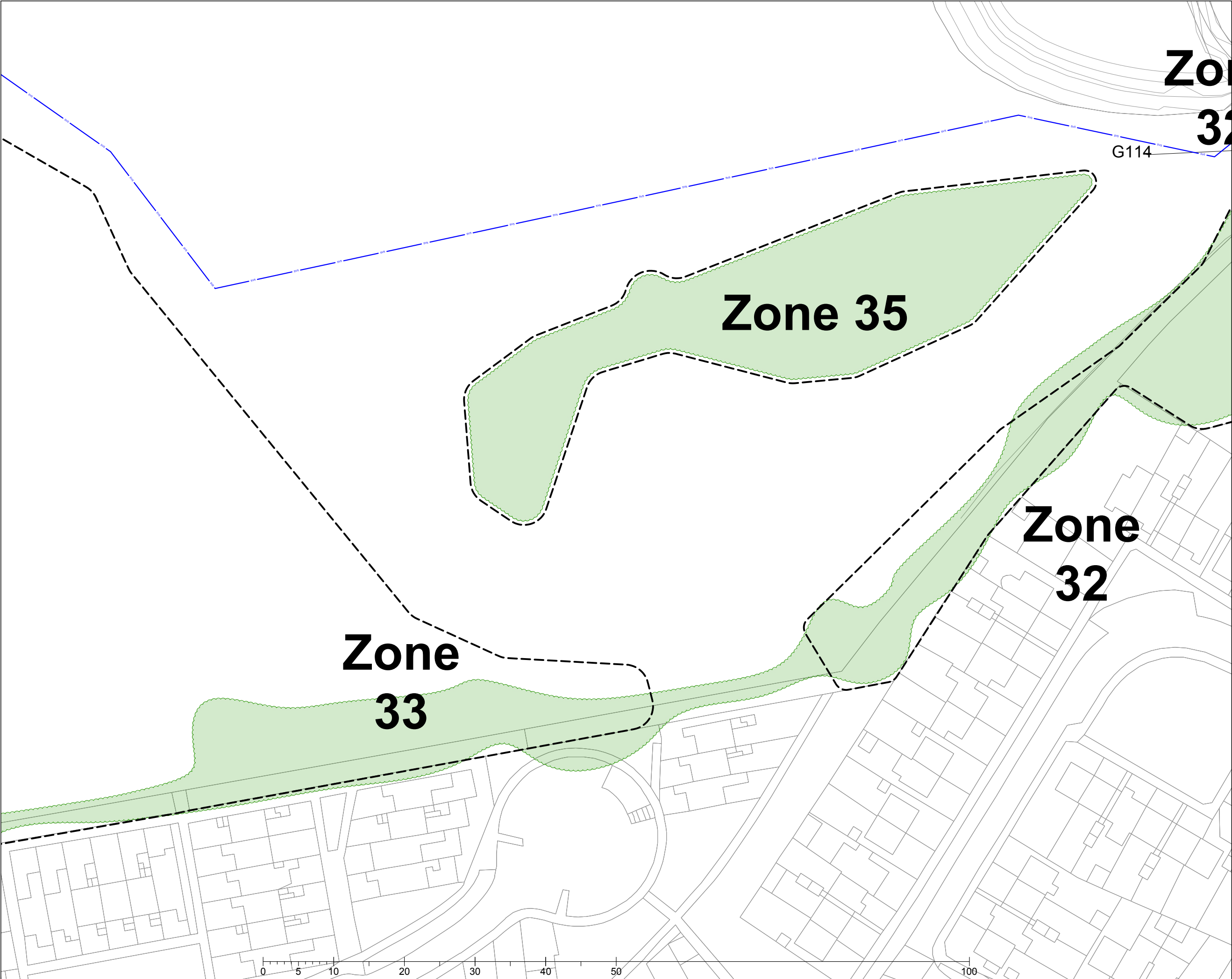
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Location:
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Hampshire**

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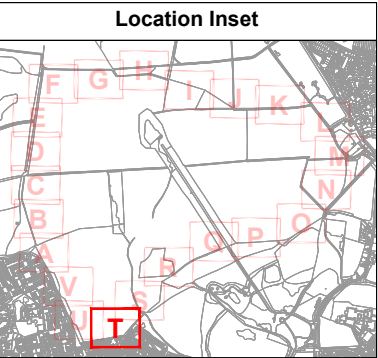
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Key

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- Root protection area
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- Proposed swales
- Indicative line of proposed underground services
- Phase 5 bi-directional pipeline

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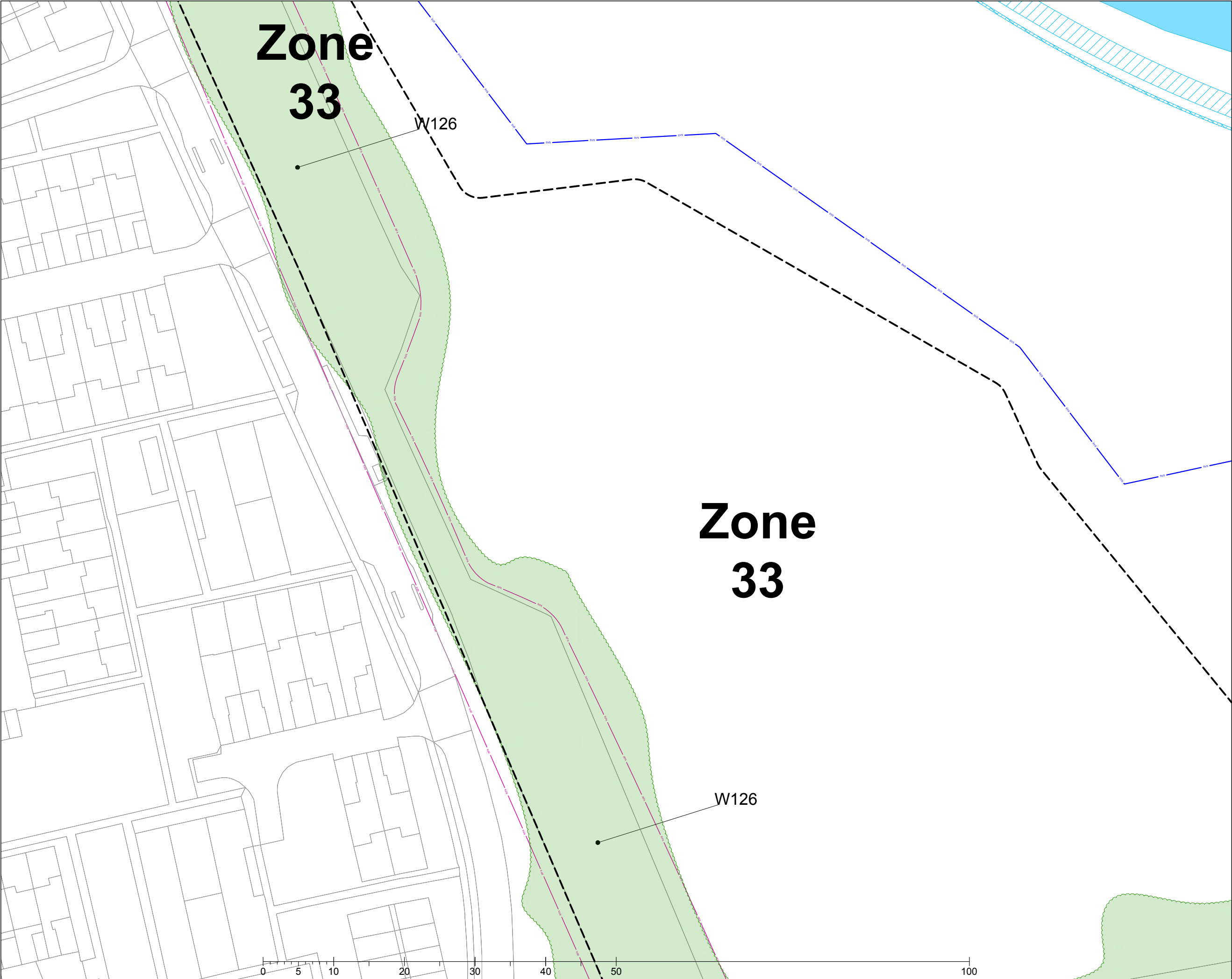
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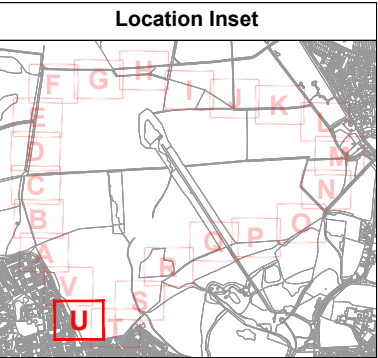
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Key

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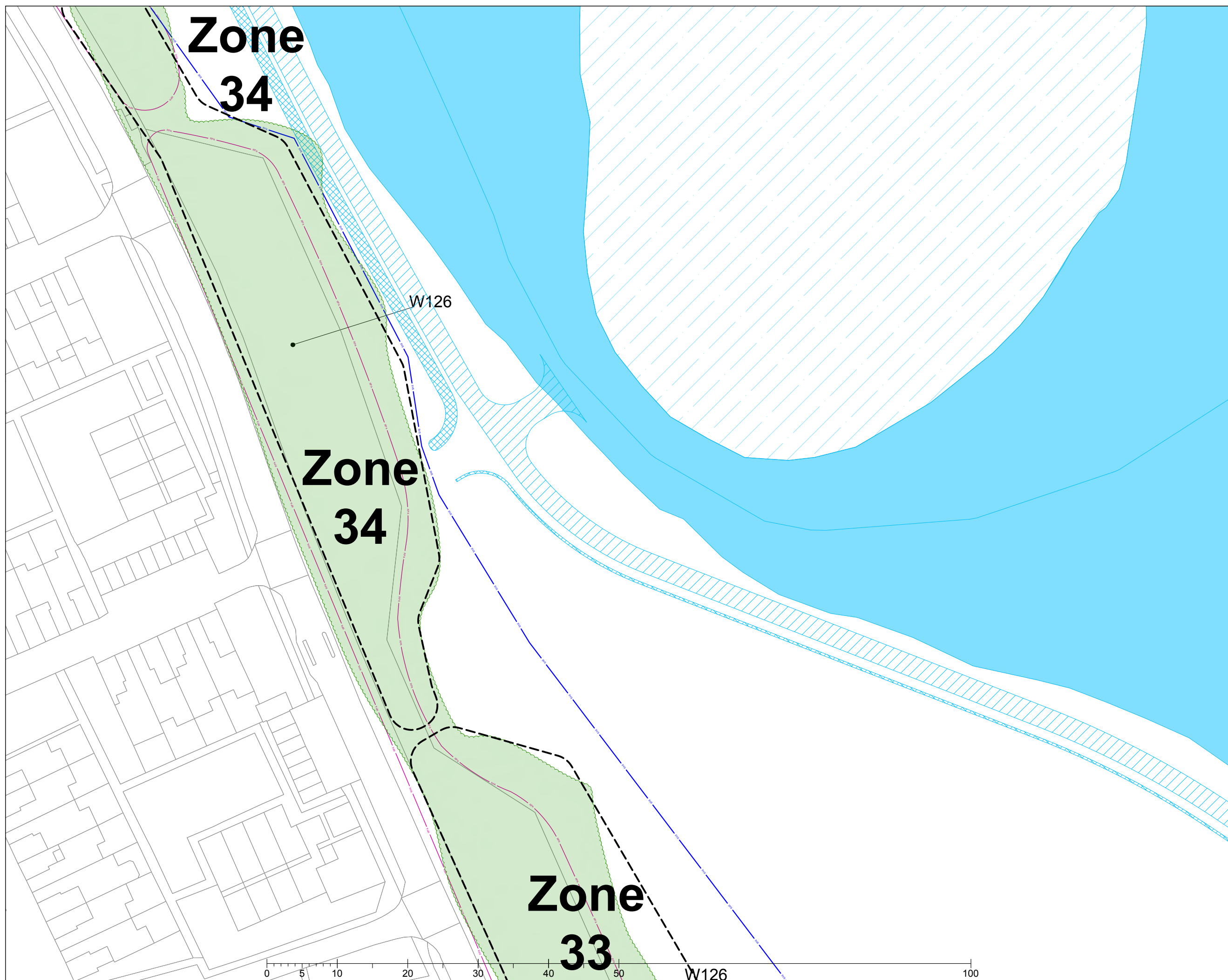
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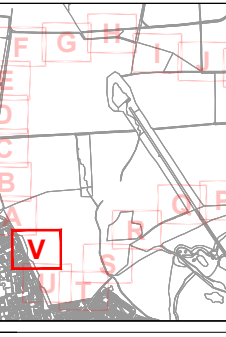


Key

-  Indicative collective crown spreads
-  Root protection area
-  Proposed embankments
-  Future flooded extent of reservoir
-  Proposed tracks, roads and paths
-  Proposed swales
-  Indicative line of proposed underground services
-  Phase 5 bi-directional pipeline



Location Inset



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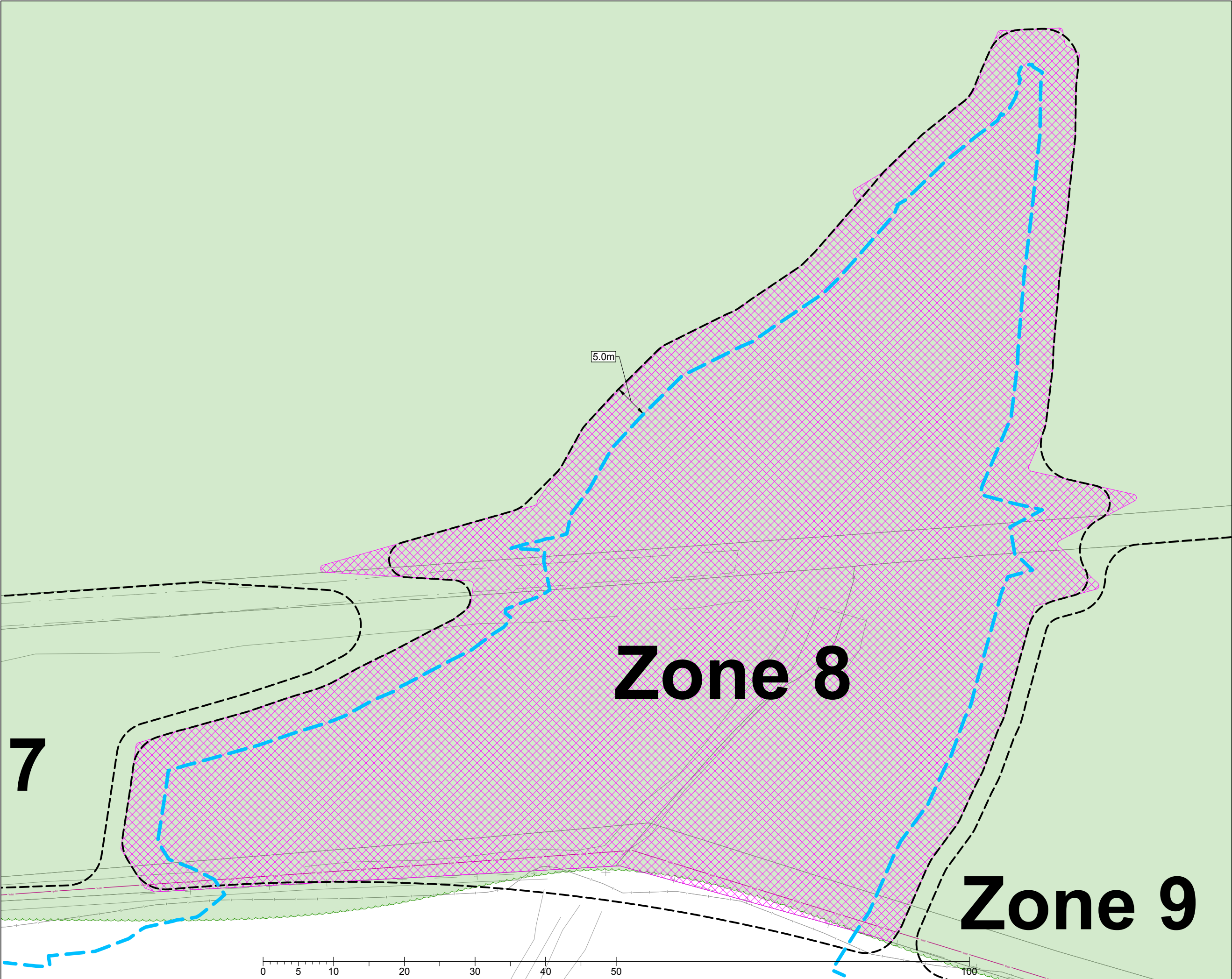
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Location:

Havant Thicket Hampshire

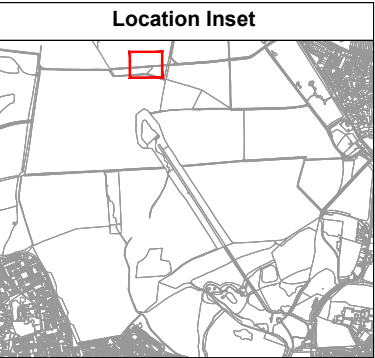
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Key

- Indicative collective crown spreads
- Final reservoir waterline
- Extent of Pine and Spruce clearance



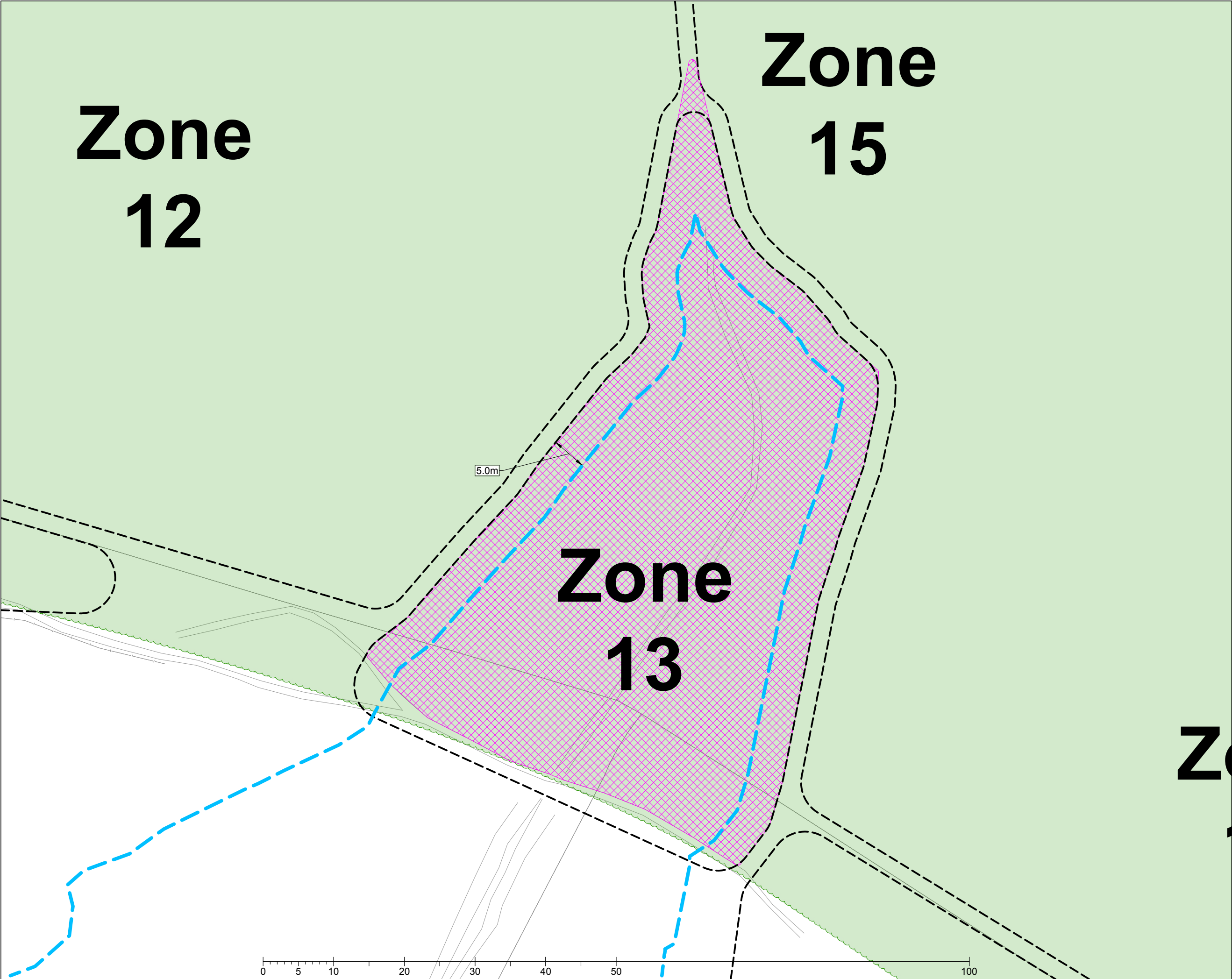
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Location:
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Date:	Project Reference:	Revision:
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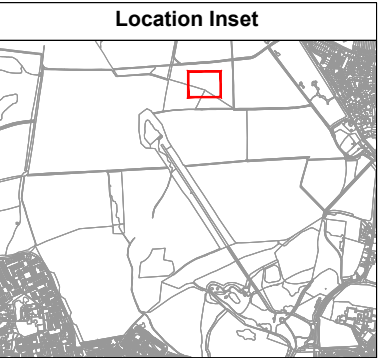
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Key

- Indicative collective crown spreads
- Final reservoir waterline
- Extent of Pine and Spruce clearance

North Arrow



Drawing Title:
Arboricultural Impact Assessment - Zone 13

Location:
Havant Thicket
Hampshire

Date:	Project Reference:	Revision:
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Appendix C

Tree Protection Plan and Arboricultural Method Statement

Havant Thicket Reservoir

Tree Protection Plan and Arboricultural Method Statement

Tom Hurley, BSc(For)Hons, M Arbor A

2nd February 2024

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Venmore Barn
Woodbury
Devon EX5 1LD
t: 01395 239002
e: info@advancedarb.com
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Tree Protection Statement - Key Information

- Once planning consent has been granted, this Tree Protection Statement is a legally binding document.
- All planning conditions must be read and fully implemented.
- Failure to follow the measures detailed within the drawings and method statement can lead to the issue of a Stop Notice or further enforcement action.
- The drawings and method statement must be reviewed by the demolition/groundwork/construction/landscape teams to ensure that all works can be completed without encroachment into the Construction Exclusion Zones. If this is not possible then any issues must be raised with Advanced Arboriculture and alternative solutions found.

Document Downloads:

Scan these QR codes with your mobile device to download PDF versions of the Arboricultural Guidance Sheets referred to within this document.



AGS101



AGS403



AGS405



AGS901



AGS902



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Tree Protection Statement

Introduction

Heads of Terms

This document provides information for the benefit of the local planning authority and the project team, however, the specific tree protection details are contained within the attached Tree Protection Plan, Arboricultural Method Statement and Arboricultural Guidance Sheets.

The document has been prepared based on information available to Advanced Arboriculture Ltd at the time of writing, however, further technical, topographical, arboricultural, architectural, ecological or engineering information may come to light after the relevant arboricultural conditions have been cleared. It is the responsibility of the project manager to draw any changes in the project scope to our attention at the earliest opportunity.

The scheduling and implementation of the tree protection measures detailed in the report also remains the responsibility of the client. Whilst the project team may appoint a suitably qualified third party arboricultural supervisor, Advanced Arboriculture Ltd are able to take on this role subject to the client's formal instruction.

Advanced Arboriculture Ltd shall not be held liable for any unauthorised deviation from the tree protection measures and scheduling detailed within this report.

Tree Protection Overview

The included Tree Protection Plans and Arboricultural Method Statement detail the tree protection measures required for the proposals, the timing of the provision of tree protection measures, and the retention of a suitably qualified arboricultural supervisor in the event of any accidental damage to the trees.

This document must be reviewed by the client or their delegated project manager and/or site manager with the arboricultural supervisor prior to the commencement of any works to ensure that both the scheduling and protection measures detailed within the Arboricultural Method Statement remain achievable and realistic. Once the Tree Protection Plan and Arboricultural Method Statement Plans have been reviewed and signed off by both the client/site manager and arboricultural supervisor, these drawings must be held on site for ongoing reference and to allow the local planning authority to check them at any reasonable time. Any variations to the Tree Protection Plan or Arboricultural Method Statement may need to be copied to the local planning authority; in the case of major variations to these documents, written approval may be required.

Tree Protection Measures Overview

Arboricultural Supervision

A programmed arboricultural inspection programme is shown on the Arboricultural Method Statement Plans. Additional ad hoc inspections must be requested by the client, project manager and/or site manager where the project scope changes, or where unforeseen construction activities may present a threat to retained trees on or adjacent to the site. The attached Arboricultural Supervision Record Sheet must be filled in on an ongoing basis and retained on site for inspection by the local planning authority at any reasonable time.

Staff Induction

The Arboricultural Method Statement references the attached Arboricultural Staff Induction Sheet. This must be read, understood and signed by all site operatives, including sub-contractors, as an integral element of their initial site induction. The purpose of this is to minimise the potential for damage to trees during construction.

Protective Fencing

Protective fencing is a key element of the tree protection measures for this project. In most instances, the existing Heras perimeter fencing is fit for purpose and can be retained as an effective barrier, however, there are sections where this fencing will need to either be removed and replaced, or will need to be supplemented with secondary fencing. Unless otherwise agreed with the arboricultural supervisor, this shall comprise braced Heras panels (see Arboricultural Guidance Sheet AGS101 attached); the specification for these matches the specification detailed within British Standard 5837:2012. An alternative specification which incorporates silt fencing may also be considered (see Arboricultural Guidance Sheet AGS111) but this will have to be supplemented with a carefully managed method statement which prohibits entry to the construction exclusion zone enclosed within.

All fencing must be in situ as per the Tree Protection Plans prior to the commencement of any mobilisation to that section of the site by contractors, plant or materials. The fencing must remain in situ until all construction works have been completed in that zone and approval for removal is granted by the arboricultural supervisor.

Fencing shall continue to be checked daily, both to maintain an acceptable level of tree protection, as well as to ensure the security of the construction site.

Root Pruning

Where excavation is required on the outer sections of the root protection area to install the new potable water connection within The Avenue (zone 26), it will be necessary to undertake controlled excavation and root pruning. It is recommended that this be undertaken by a suitably qualified arboricultural contractor in accordance with the method statement detailed within Arboricultural Guidance Sheet AGS403. We are able to arrange these works on request. All tracked excavator activities wihtin this zone must be carried out as detailed within Arboricultural Guidance Sheet AGS405.

Hard and Soft Landscaping

Any hard landscaping within the root protection area of any retained trees which includes changes in ground levels (cut or fill), new walls or new paths will require further arboricultural review to ensure that any detrimental impact is limited. If unsustainable damage is considered to be unavoidable then the landscaping scheme will require revision.

Soft landscaping near retained trees, including the planting of new trees and shrubs, must be undertaken with considerable care due to the potential for rooting damage. Mechanical rotovation or cultivation within the construction exclusion zones shown on the Tree Protection Plan must be avoided as this can cause significant damage to the rooting system of adjacent trees.

All new trees must be sourced from a reputable nursery and planted in accordance with the recommendations detailed within British Standard 8545:2014. We are able to provide an independent verification of the quality of new trees prior to planting on request.

Tree Works

The appointed tree work contractor must ensure that all tree works comply with British Standard 3998:2010 (Tree Works - Recommendations) and it is strongly advised that the appointed tree contractor is Arboricultural Association Approved to ensure high standards and a consistency of work.

Under the Wildlife & Countryside Act 1981 & Countryside & Rights of Way Act 2000 it is an offence to recklessly damage or destroy the nest of a wild bird whilst in use or being built; planning consent does not provide a defence against prosecution under these Acts. Trees, shrubs and hedgerows on this site may contain nesting birds between 1st March and 31st August and it is advisable to undertake a survey of the site before commencing any vegetation removal between these dates, to ensure that no nesting birds are present. Advanced Arboriculture are able to undertake a survey to identify the presence of bats or nesting birds if required at the request of the client.

Attachments

- Tree Protection Plans
- Arb Method Statement Plan
- Arboricultural Induction Sheet
- Arboricultural Supervision Inspection Record
- AGS101 Braced Heras Fencing
- AGS111 Silt Barrier Fencing With Tree Protection
- AGS403 Root Pruning Within Root Protection Area
- AGS405 Tracked Vehicle Operations within Root Protection Area
- AGS801 Protective Fencing Poster
- AGS802 Site Office Tree Poster

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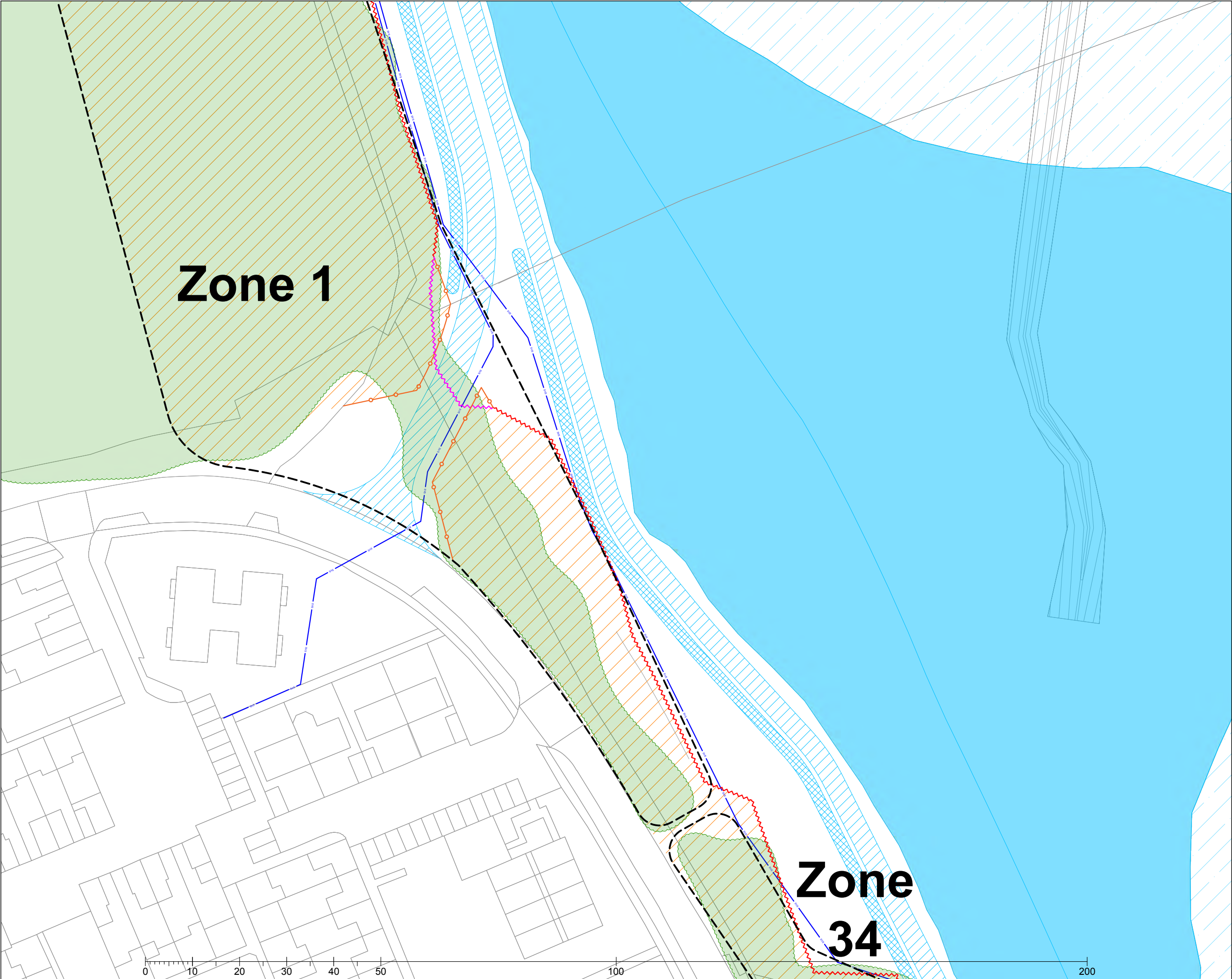
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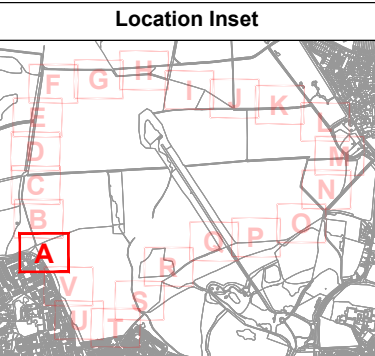
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Zone 1

Zone 34

- Key**
- Indicative collective crown spreads
 - Root protection area
 - Proposed embankments
 - Future flooded extent of reservoir
 - Proposed tracks, roads and paths
 - Proposed swales
 - Indicative line of proposed underground services
 - Phase 5 bi-directional pipeline
 - Existing secure Heras site fencing
 - Sections of secure Heras to remove for construction
 - New braced Heras fencing (see AGS101)
 - Construction exclusion zone

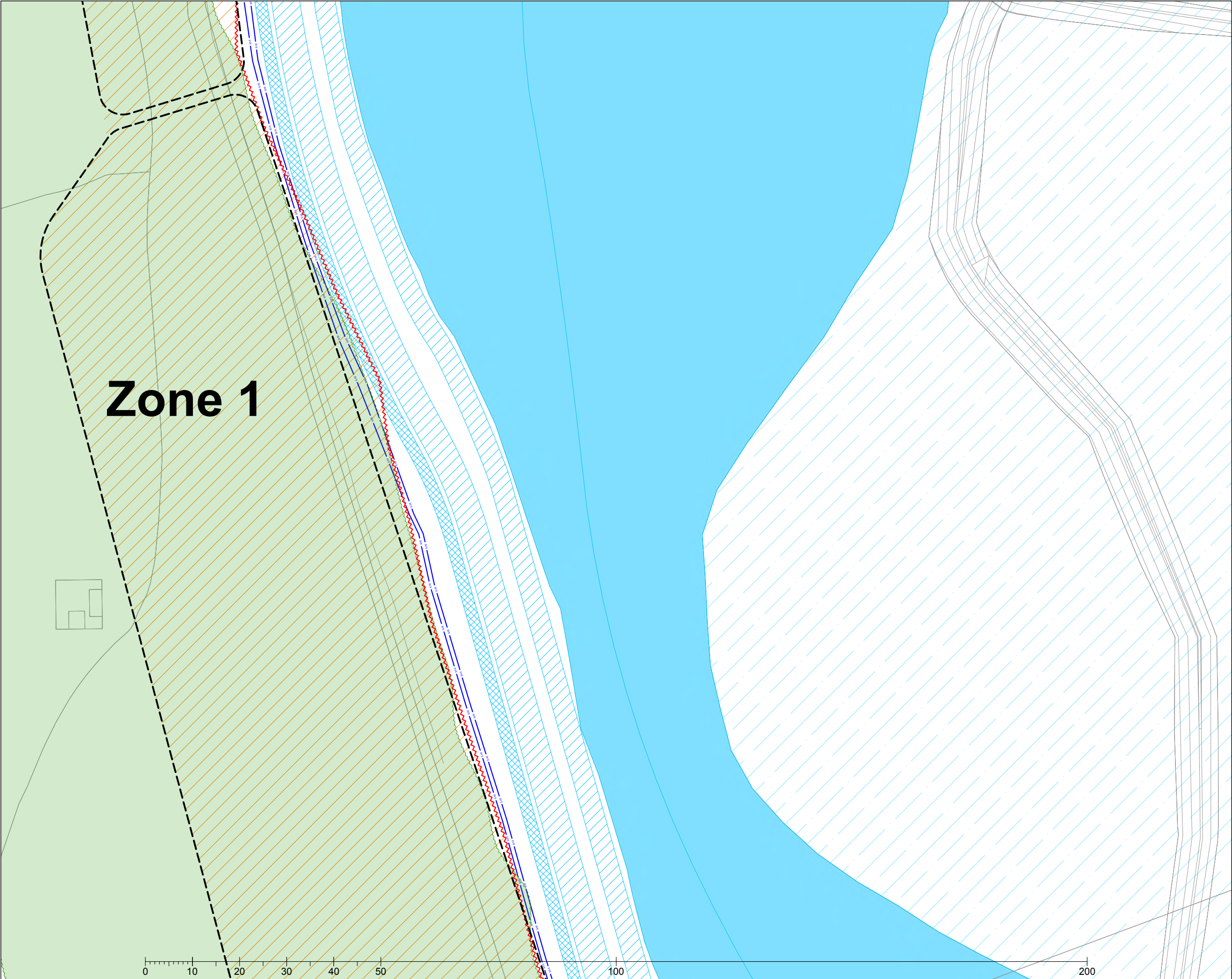


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 Hampshire**

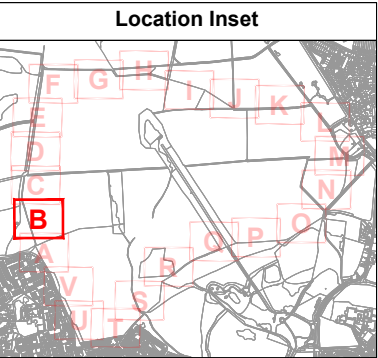
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Key

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- Proposed embankments
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- Proposed swales
- Indicative line of proposed underground services
- Phase 5 bi-directional pipeline
- Existing secure Heras site fencing
- Sections of secure Heras to remove for construction
- New braced Heras fencing (see AGS101)
- Construction exclusion zone



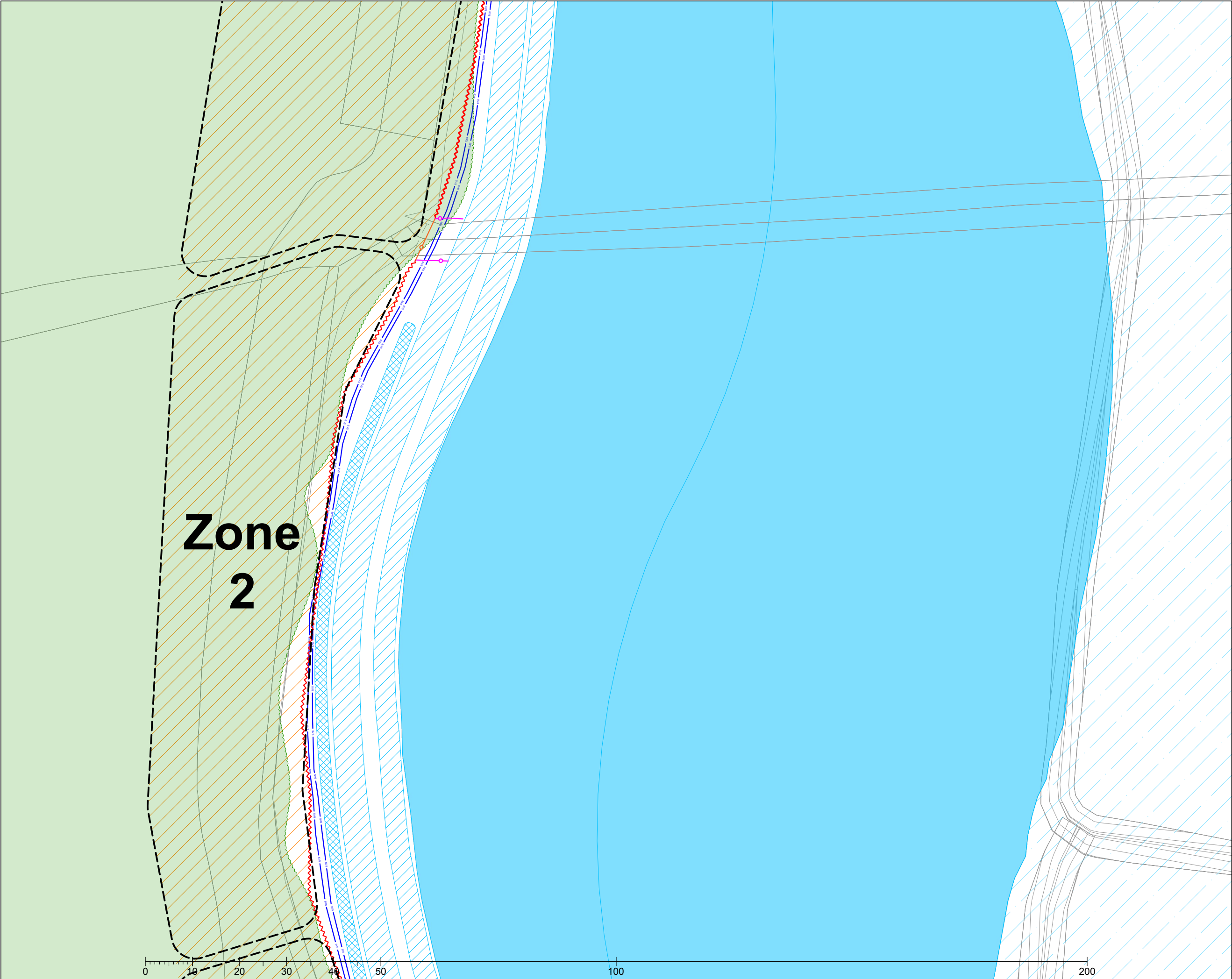
Drawing Title:
Tree Protection Plan - Inset B

Location:
**Havant Thicket
Hampshire**

Date:	Project Reference:	Revision:
02.02.2024	TH/B352/1023	1.4
Scale:	Paper Size:	Drawn By:
1:750	A3	TH

Advanced Arboriculture
Venmore Barn
Woodbury
Devon EX5 1LD
t: 01395 239002
e: info@advancedarb.com
w: www.advancedarb.com

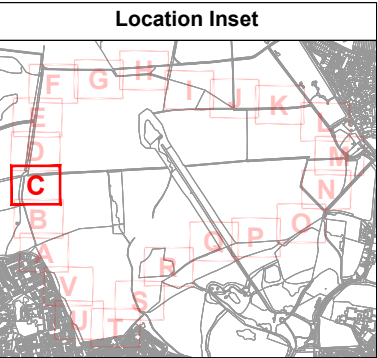
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Zone
2

Key

- Indicative collective crown spreads
- Root protection area
- Proposed embankments
- Future flooded extent of reservoir
- Proposed tracks, roads and paths
- Proposed swales
- Indicative line of proposed underground services
- Phase 5 bi-directional pipeline
- Existing secure Heras site fencing
- Sections of secure Heras to remove for construction
- New braced Heras fencing (see AGS101)
- Construction exclusion zone



Drawing Title:
**Tree Protection Plan -
Inset C**

Location:
**Havant Thicket
Hampshire**

Date:	Project Reference:	Revision:
02.02.2024	TH/B352/1023	1.4
Scale:	Paper Size:	Drawn By:
1:750	A3	TH

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Venmore Barn
Woodbury
Devon EX5 1LD
t: 01395 239002
e: info@advancedarb.com
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