



Havant Thicket Reservoir – Main Pipeline works

HTR-WAB-PI-ZZ-RP-W-0018_Site Compound Details

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For Construction

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Issue and Revision Record

Havant Thicket Reservoir – Main Pipeline Works

Document Title: Site Compound Details

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Client Project Number: HTR

Client: Portsmouth Water Limited

Project Location: Meyrick Road, Havant, PO9 1NR

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P01	04/09/25	T. Foster	B. Phillips	B. Curran	Initial Release
C01	10/12/25	T. Foster	B. Phillips	B. Curran	Revised to Construction Issue

Document Status: A5

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1 Introduction

The objective of the Havant Thicket Reservoir Project is to provide a new resource to supply drinking water in the water-stressed Southeast of England while maximising the community and environmental benefits of a new raw water reservoir. Ward and Burke Construction Limited (WBCL) have been appointed by Portsmouth Water Limited (PW) to design, construct, and commission a new pipeline connecting Bedhampton Pumping Station to Havant Thicket Reservoir, including an emergency discharge structure at the Hermitage Stream, culvert upgrades and an Under Track Crossing.

1.1 Works Background

Portsmouth Water has outlined seven strategic drivers for this project to ensure continued focus on meeting the Project's objectives.

These project drivers are:

- **Quality:** Quality in procurement, design and delivery to deliver an exemplary project to serve Customers in the short, medium and long term,
- **Timeliness:** In service and operating by 2029 to support a major bulk transfer to Southern Water,
- **Innovation:** Develop best practices in the largest new reservoir project in the southeast for decades. Capture learning from companies working in partnership to deliver better value for Customers,
- **Flexibility:** Create a project that offers multiple uses and enables Portsmouth Water to be a strategic water supplier for the South over the medium and long term,
- **Responsibility:** Realise and build upon our health, safety and well-being goals,
- **Connectivity:** Positive connection for all stakeholders – Customers, the local community, regulators, staff, contractors, shareholders, commercial partners, environmental groups and individuals with a passion for the environment, and
- **Environment:** A positive contribution to local and internationally important habitats. Direct support for the Government's objective to reduce the damaging abstraction of water from rivers.

1.2 Scope of Document

This document includes the following items:

- Work Area Site Details
- Site Compound Layout Drawings
- Reinstatement Plan Drawings

1.2.1 Planning Condition/s

This document is required to discharge Condition 33 of permission reference HBC APP/24/00405. The requirements of this Conditions and where within this document the requirements are addressed are set out in Table 1.1 below.

Table 1.1 – Condition 33 of App/24/00405

Condition 33 – Details of Works Area/Compounds	
<p><i>Notwithstanding the details provided with the works areas Works Area Summary (ref HTR-WAB-PI-ZZ-TN-W-0006 Rev P03) the following details shall be provided prior to works commencing at each compound works area location:</i></p> <ol style="list-style-type: none"> <i>Location of plant and compounds and other storage facilities.</i> <i>Details of the external appearance of welfare, site offices, facilities including location of windows.</i> <i>Details of boundary treatments and temporary and site specific acoustic screening.</i> <i>Details of service and delivery times.</i> <i>Details of acoustic screening and plant insulation including generators</i> <i>Details of named site contact at the works location.</i> <i>Reinstatement works along boundary and screen planting.</i> <i>Details of any generators, their operational requirements.</i> <p><i>The development shall be carried out in accordance with the approved details and retained thereafter.</i></p> <p><i>Reasons: In the interest of residential amenity, air quality and appearance and character of the area. To accord with policies DM10 & CS15 (Havant Borough Local Plan (Core Strategy) 2011), and the National Planning Policy Framework (2024).</i></p>	
Detail	Where addressed
Location of plant and compounds and other storage facilities	Section 2.1.1
Details of the external appearance of welfare, site offices, facilities including location of windows	Section 2.1.2
Details of boundary treatments and temporary and site-specific acoustic screening	Section 2.1.3
Details of service and delivery times	Section 2.1.4
Details of acoustic screening and plant insulation including generators	Section 2.1.5
Details of named site contact at the works location	Section 2.1.6
Reinstatement works along boundary and screen planting	Section 2.1.7
Details of any generators, their operational requirements	Section 2.1.8

1.2.2 Planning Condition Phasing

The relevant phases of the condition (listed in Table 1.1) this document revision seeks to address are specified in Table 1.2 below. Previously discharged phases of the condition, as well as those to be discharged in future submissions, are also listed.

Table 1.2 – Phase Submission Checklist

Phase Ref	Elements Covered	Discharge in this Submission
1	Pipeline Section P0 [FUW] (Bedhampton, associated infra.)	
2a	Pipeline Section P0 [WAB] Shaft W1 works (ex. Shaft)	
2b	Pipeline Sections P1/P2 Shafts W2/W3	✓
3	Pipeline Sections P3/P4 Shafts W3/W4/ED	
4	Pipeline Sections P5/P6 Shafts ED/W5/W6	
5	Pipeline Sections P7/P8 Shafts W6/W7/W8	
6	Pipeline Section P9	
7	Pipeline Section P10 [FUW] (Reservoir, associated infra.)	
8	Purbrook Way Culvert	
9	Dunsbury Way Culvert	
10	Middle Park Way Culvert	
N/A	Shaft W1 (<i>subject of separate Reserved Matters Application APP/24/00204 linked to original outline planning permission APP/20/00991</i>)	✓ (Previously Discharged)

2 Site Compound Details

This section will set out the relevant details for each separate site compound area along the pipeline route, to meet the requirements of Condition 33 as set out in Table 1.1. These details are further to those listed within the Works Area Summary document (HTR-WAB-PI-ZZ-TN-W-0006).

2.1 Site Compound W2

2.1.1 Location of Plant / Compounds / Storage Facilities

The site compound area for Shaft W2 is located within Bedhampton, Havant, in Hampshire. Shaft W2 is located in the southwestern corner of the Havant playing fields, closest to Fraser Road. The site will only be accessed by both pedestrians and site traffic via Hooks Farm Way.

Typical plant within the compound will include a ~100t crane, ~30t excavator, tunnelling separation plant and miscellaneous tunnelling equipment. An indicative layout of plant positions and designated storage areas can be found within Appendix A: Site Compound Layout. Site vehicles and tipper wagons will move within the site, as will any excavators in use.

Access arrangements are as follows:

Table 2.1 – Access Summary

Works Area:	Shaft W2 – Havant Rugby Football Club
Adjacent Road/s:	Hooks Farm Way, Hooks Lane, Fraser Road
Access Via:	Hooks Farm Way
Entrance what3words:	///shaped.fried.dull

2.1.2 External Appearances

A combined site welfare and site office area is to be in place at the northeastern corner of the Shaft W2 compound. 4Nr. site cabins (approx. 6m long x 2.5m wide) are to be double stacked (two stacks of two), with a height of approximately 5.5m tall when together. A set of stairs are to be installed at each stack to provide access to the upper cabin.

Site cabins are to be a neutral colour. An example arrangement can be seen in Appendix A: Site Compound Layout.

External site hoarding 2.4m in height is to be installed around the compound perimeter, and so ground level site cabin windows are all to be used. The upper cabin windows facing towards residential properties are not to be used. The typical layout and use of these upper windows can be seen in Appendix A: Site Compound Layout.

2.1.3 Boundary Treatments and Acoustic Screening

The W2 shaft compound area is to be bound on all sides by solid site hoarding, to a height of 2.4 meters. The hoarding shall be constructed from solid, imperforate panels with a minimum mass of 10 kg/m². The edges and joints between panels will be sealed to ensure full acoustic integrity.

The schools (Bidbury Infant and Junior School and St Thomas More's Catholic School) and residential properties to the south and west of the site compound have been identified as noise-sensitive locations. The site hoarding towards these receptors is to be enhanced to achieve a mass not less than 17 kg/m².

A vehicle entrance gate will be present at the northern end of the site compound, leading onto the haul road across the playing fields towards Hooks Farm Way.

2.1.4 Service and Delivery Times

The majority of vehicle movements will occur before and after peak hours as site working hours are 08:00-18:00 (07:30-08:00 pre-start briefings). HGV deliveries will avoid peak times 08:00-09:00 & 17:00-18:00. Deliveries will also avoid peak times 12:00-13:00 on Saturdays.

Nearby school pick-up and drop-off times are as follows:

- a. Bidbury Infant and Junior School (08:40 and 15:10)
- b. St Thomas More's Catholic School (08:45 and 15:15)

HGV deliveries are not to travel to site in a 1-hour window around these times (between 08:10-09:15 & 14:40-15:45).

2.1.5 Acoustic Screening and Plant Insulation

As per Section 2.1.3, the full shaft compound area is to be bound on all sides by solid site hoarding, to a height of 2.4 meters.

The tunnelling separation plant is to be fitted with external acoustic barriers to reduce the noise impact during operations, especially during the required period of 24-hour working when completing the P1 Under Track Crossing (UTX) works beneath the railway.

All generators within the compound are to be surrounded with acoustic barriers on all sides during use.

No plant attachments are expected to be used within the W2 compound area that require specific acoustic shrouding during use. This will be reviewed if the use of such attachments (excavator mounted breakers etc.) is required. Further details of BPM relating to mitigating the effects of noise for all activities can be found within HTR-WAB-PI-ZZ-RP-W-0015_S61 Construction Noise & Vibration Assessment.

2.1.6 Site Contacts

The following personnel are to be used as the named site contacts for the W2 works area:

Table 2.2 – W2 Site Contacts

Name	Role	Phone	Email
Brien Curran	Project Manager	07739 324048	brien.curran@wardandburke.com
Thomas Foster	Site Agent	07784 231394	thomas.foster@wardandburke.com
Tamar Helen	Site Engineer	07743 938052	tamar.helen@wardandburke.com
PJ Keane	Site Foreman	07739 324049	-

2.1.7 Reinstatement Works along Boundary

Upon completion of the works, the site compound boundary hoarding is to be removed completely, and the area reinstated. Reinstatement works are to be carried out in accordance with drawing HTR-ATK-PL-XX-DR-L-0002, included within Appendix B: Reinstatement Plans.

Screen planting is not proposed to be used at this location.

2.1.8 Generator Proposals

A generator will be required at the welfare/office set-up in the northeastern corner of the site compound area, and will be operational only during site working hours.

The tunnelling separation plant is to have a containerised (approx. 6m x 2.5m) generator at the eastern boundary of the compound, to be operational during all tunnelling works. This will be required to operate 24 hours a day during tunnelling works when completing the P1 Under Track Crossing (UTX) works beneath the railway.

An auxiliary generator (3m x 1.5m) is to be located at the southeastern boundary of the compound, and is to be operated during site working hours.

Indicative locations of these generators can be found in Appendix A: Site Compound Layout.

2.2 Site Compound W3

To be updated.

2.3 Site Compound W4

To be updated.

2.4 Site Compound ED

To be updated.

2.5 Site Compound W5

To be updated.

2.6 Site Compound W6

To be updated.

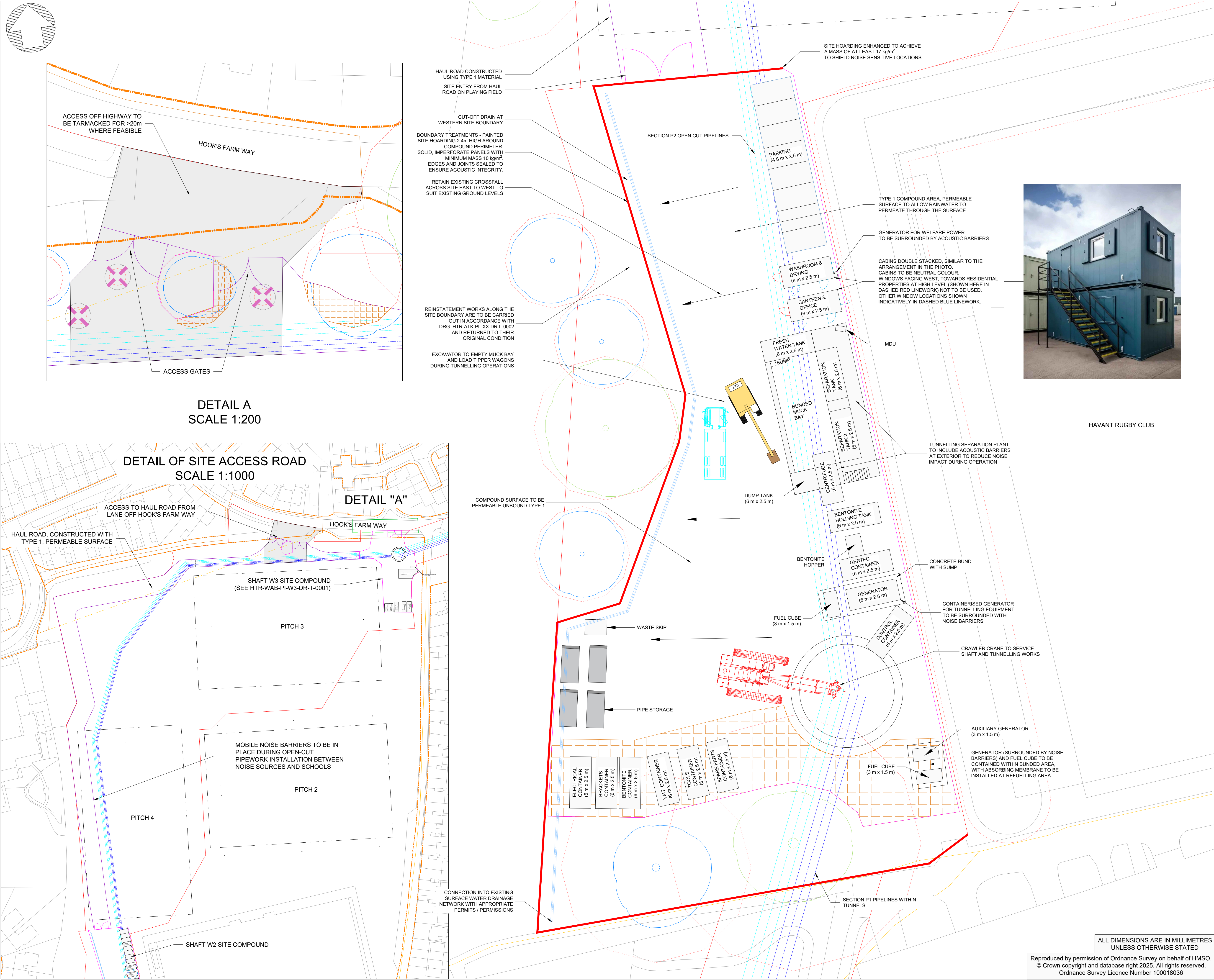
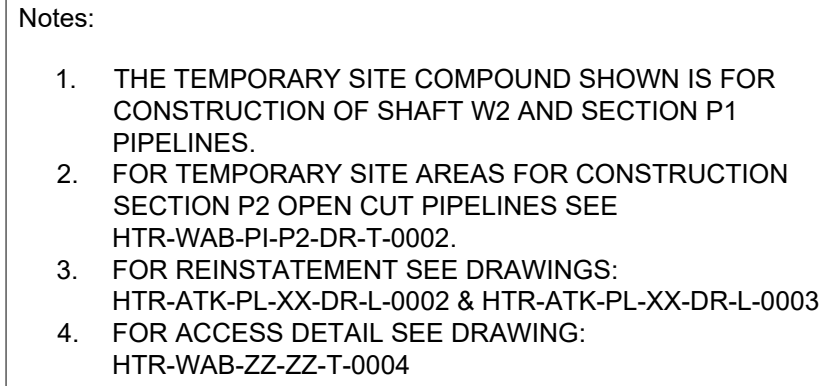
2.7 Site Compound W7

To be updated.

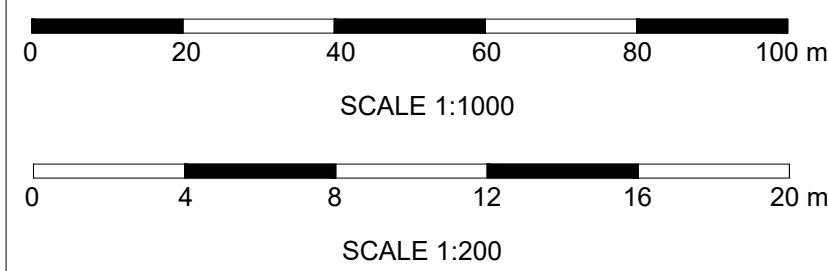
2.8 Site Compound W8

To be updated.

Appendix A: Site Compound Layouts



- | | |
|---|--|
|  | FILL PIPELINE |
|  | RETURN PIPELINE |
|  | CONSTRUCTION SITE HOARDING |
|  | SITE FENCING |
|  | REDLINE BOUNDARY |
|  | SURFACE WATER DRAINAGE |
|  | RUGBY PITCH BOUNDARY |
|  | PUBLIC RIGHT OF WAY |
|  | PUBLIC RIGHT OF WAY CLOSURE |
|  | PROPOSED PUBLIC RIGHT OF WAY DIVERSION |
|  | FOOTPATH CLOSURE |
|  | PROPOSED FOOTPATH DIVERSION |
|  | HIGHWAYS MANAGED LAND BOUNDARY. |
|  | ROOT PROTECTION MATTING |
|  | CATEGORY A TREE |
|  | CATEGORY B TREE |
|  | CATEGORY U TREE |
|  | CATEGORY C TREE |
|  | ROOT PROTECTION AREA (RPA) |

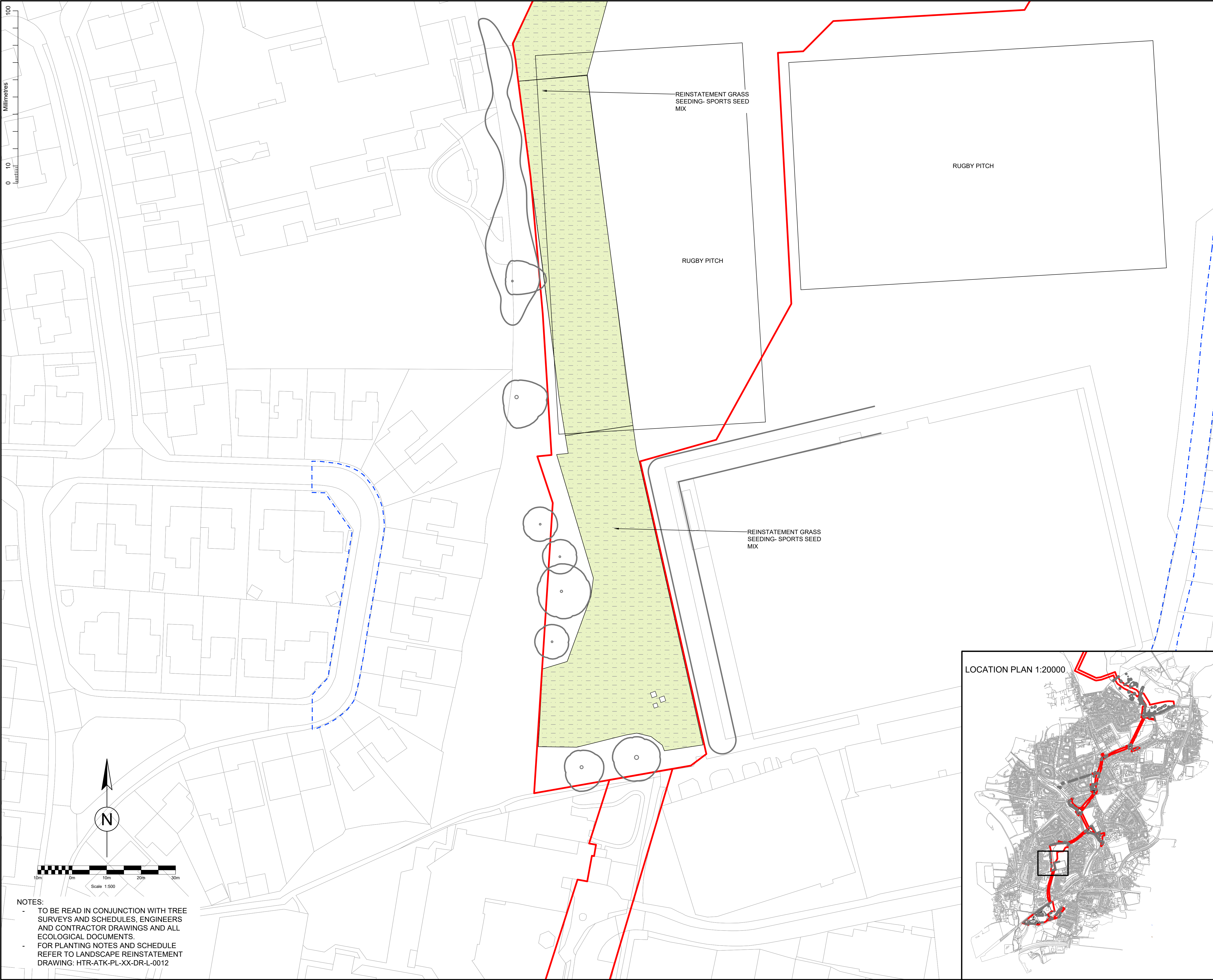


P07 S4	AS	BP	BC	FOR CONSTRUCTION APPROVAL	01/08/25
P06 A4	JT	BP	BC	MODIFICATION OF P2 PIPELINE ROUTE	13/09/24
P05 A4	JT	BP	BC	PLANNING VERSION	03/05/24
Rev	Drn By	Ckd By	App By	Description	Date

WARD & BURKE

Drawing Suitability: FOR CONSTRUCTION APPROVAL		Status: S4	
Contractors Drawing Number: HTR-WAB-PI-W2-DR-T-0001			
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Date: 28/07/2025	Scale: 1:200	Sheet: 01 of 01	Sheet Size: A1
Project Title: HAVANT THICKET RESERVOIR			
Drawing Title: BEDHAMPTON TO HTR PIPELINE SHAFT W2 SITE COMPOUND LAYOUT			
Portsmouth Water Drawing Number:			Rev: P07

Appendix B: Reinstatement Plans



KEY

APPLICATION BOUNDARY

HIGHWAY BOUNDARY

TREES

EXISTING TREES TO BE RETAINED

PROPOSED TREES

MIXED SPECIES STANDARDS & FEATHERS
(EXACT PLANTING LOCATIONS TO BE CONFIRMED WITH HBC)

Ag = Alnus glutinosa (Alder)

Bpn = Betula pendula (Silver Birch)

Cm = Crataegus monogyna (Hawthorn)

Pn = Prunus avium (Wild Cherry)

Qr = Quercus robur (Oak)

Sa = Sorbus aucuparia (Rowan)

Sc = Salix caprea (Goat Willow)

Sf = Salix fragilis (Crack Willow)

Tc = Tilia cordata (Small leaved Lime)

TRANSLOCATED TREES

EXISTING TREES TO BE TRANSLOCATED
TO NEW PLANTING POSITION AS PER
ARBORICULTURAL METHOD AND
SPECIFICATION. NOTE FINAL PLANTING
LOCATIONS TO BE AGREED WITH HBC

GRASSLAND (PROPOSED)

AMENITY GRASS

G4 MODIFIED GRASSLAND, TO BE SEED
WITH AMENITY GRASS SEED MIXTURE

SPORTS GRASS

G4 MODIFIED GRASSLAND, TO BE SEED
WITH SPORTS GRASS SEED MIXTURE.
(AGRONOMY REPORT TO BE UNDERTAKEN TO
ESTABLISH THE EXISTING CONDITION OF THE SURFACE
AND CONFIRM THE PROPOSED REINSTATEMENT
RETURNS THE SURFACE TO THE SAME LEVEL)

SPECIES-RICH GRASS

G3C OTHER NEUTRAL GRASSLAND, TO BE
SEED
WITH A SPECIES-RICH MEADOW
MIXTURE

SPECIES-RICH GRASS

G3C OTHER NEUTRAL GRASSLAND, TO BE
SEED
USING A GREEN HAY METHOD, HAY
TO BE CUT FROM EXISTING GRASSLAND ON
SITE. AS PER ECOLOGISTS METHOD AND
INSTRUCTIONS

NATURAL REGENERATION

G3C OTHER NEUTRAL GRASSLAND, TOPSOIL
TO BE STRIPPED AND REINSTATED POST
WORKS. AREA TO NATURALLY REGENERATE
FROM SEED BANK IN SOIL & GRASSLAND
NEAR BY. ALTERNATIVELY TO BE SEED
WITH LOCALLY HARVESTED SEED. AS PER
ECOLOGISTS METHOD AND INSTRUCTIONS

TURF REMOVAL & REINSTATEMENT

G3C OTHER NEUTRAL GRASSLAND, TURF TO
BE STRIPPED AND STORED ON SITE, THEN
REINSTATED POST WORKS. AS PER
ECOLOGISTS METHOD AND INSTRUCTIONS

PLANTING (PROPOSED)

BROADLEAF WOODLAND

W1G OTHER BROADLEAVED WOODLAND,
PLANTING MIX OF TRANSPLANTS, FEATHERS
AND STANDARDS

WET WOODLAND

W1D WET WOODLAND, PLANTING MIX OF
TRANSPLANTS, FEATHERS AND STANDARDS.
TO BE UNDER PLANTED WITH PLUG GROUND
FLORA

MIXED SCRUB

H3H MIXED SCRUB, PLANTING MIX OF
TRANSPLANTS, WITH SOME FEATHERED AND
STANDARD TREES

DORMOUSE SCRUB

H3H MIXED SCRUB, PLANTING MIX OF
TRANSPLANTS, WITH SOME FEATHERED AND
STANDARD TREES

NATIVE HEDGE

H2A5 SPECIES-RICH NATIVE HEDGEROW.
PLANTING OF TRANSPLANTS TO GIVE >5
SPECIES PER 30M SECTION.

P07	JS	DB	DB	JF	BNG UPDATE	25/02/25
P06	JS	DB	DB	JF	UPDATED TO LATEST LAYOUTS	15/11/24
P05	JS	DB	DB	JF	HIGHWAY BOUNDARY ADDED	04/11/24
P04	JS	DB	DB	JF	UPDATED TO COMMENTS	08/08/24
P03	JS	DB	DB	JF	UPDATED TO COMMENTS	22/05/24
P02	JS	DB	DB	JF	UPDATED TO COMMENTS	15/05/24

Rev.	Stat	Dr	By	Ckd	Rev	Auth	Description	Date

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Drawing Suitability: FOR INFORMATION

Status: S2

Contractors Drawing Number:

HTR -ATK- PL- XX -DR- L- 0002

Project

Originator

Volume

Location

Type

Role

Number

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Portsmouth Water

Project Ref. No: HTR

Sheet: 2 of 12

Scale: 1:500

Sheet Size: A1

Project Title: HAVANT THICKET RESERVOIR
PIPELINE APPLICATION

Drawing Title: LANDSCAPE
REINSTATEMENT PLAN

Portsmouth Water Drawing Number:

Rev: P07

LOCATION PLAN 1:20000

NOTES:

- TO BE READ IN CONJUNCTION WITH TREE SURVEYS AND SCHEDULES, ENGINEERS AND CONTRACTOR DRAWINGS AND ALL ECOLOGICAL DOCUMENTS.
- FOR PLANTING NOTES AND SCHEDULE REFER TO LANDSCAPE REINSTATEMENT DRAWING: HTR-ATK-PL-XX-DR-L-0012