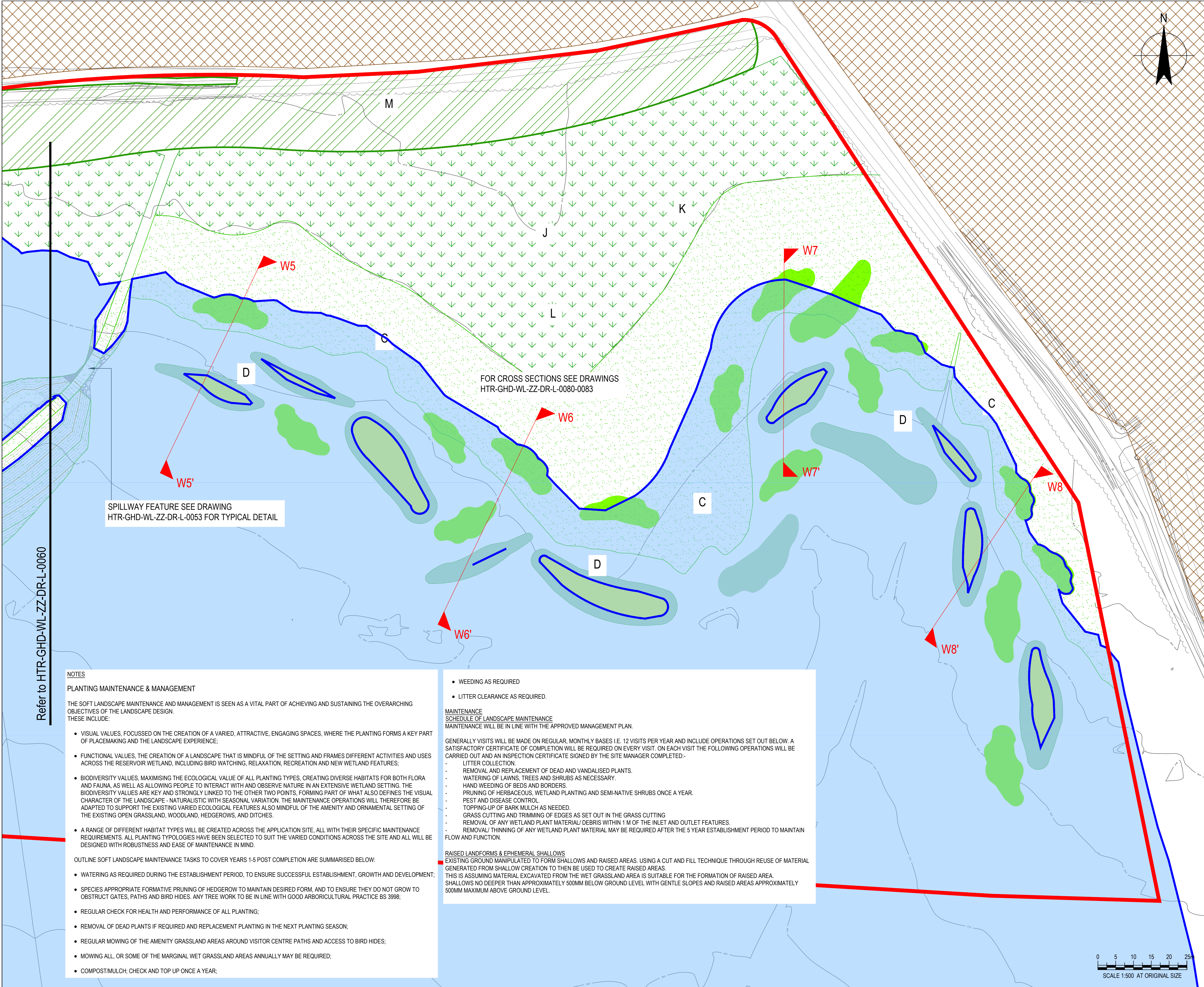
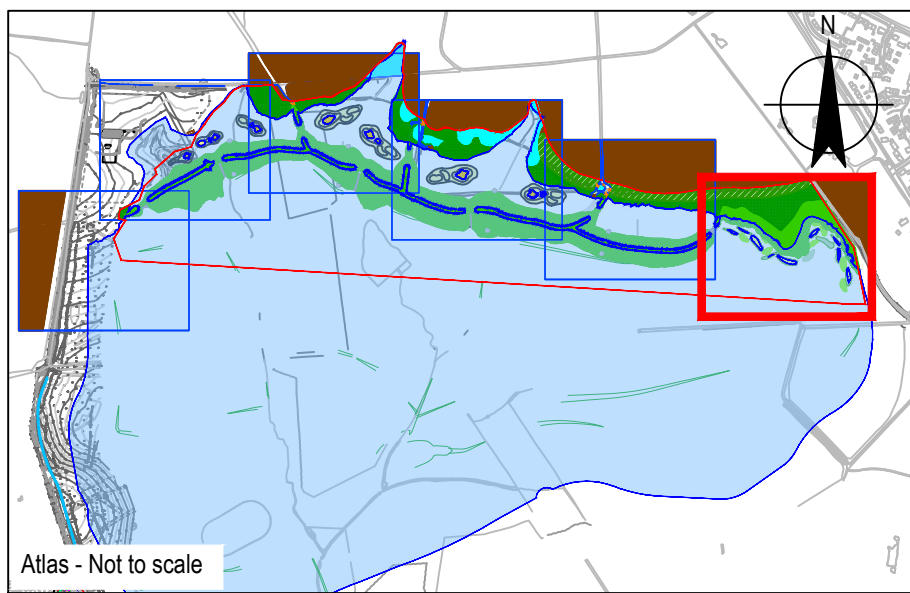




NOTES

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE (UNO).
2. ALL LEVELS ARE IN METRES TO ORDNANCE DATUM UNO.
3. BIRD HIDE / INTERPRETATION BUILDING LOCATIONS SHOWN INDICATIVELY. DETAILS OF BIRD HIDE / INTERPRETATION BUILDINGS TO BE SUBJECT TO SEPARATE RESERVED MATTERS APPLICATION AS PART OF THE VISITOR CENTRE PHASE TO ENSURE CONSISTENCY OF DESIGN.
4. THE DETAILS OF HARD AND SOFT LANDSCAPING AS SHOWN ON THIS PLAN ARE SUBMITTED FOR RESERVED MATTERS APPROVAL. THE DETAILED PLANTING MIX, HARD LANDSCAPING MATERIALS SPECIFICATION AND THE DETAILED MANAGEMENT AND MAINTENANCE PROPOSALS FOR THE HARD AND SOFT LANDSCAPING WILL BE SUBMITTED SUBSEQUENTLY FOR THE DISCHARGE OF CONDITION 28. WHERE THOSE DETAILS ARE DESCRIBED ON THESE PLANS THIS IS TO AID THE UNDERSTANDING OF THE RESERVED MATTERS PROPOSALS. THE DETAILS TO BE SUBMITTED UNDER CONDITION 28 WILL ACCORD WITH THAT SHOWN ON THESE PLANS UNLESS OTHERWISE AGREED BY THE LPAS.

Key	
	39.5 contour - top water level for main reservoir
	RMA Application Boundary
Existing	
	Vegetation to be retained
	Woodland
	Wet woodland
	Scrub mix
	Wildflower seeding - EM5
	Wet and Water Edge Mix - Barenbrug
	Design feature / objective (refer to sheet 1)
Proposed	
	Islands
	Raised landform
	Ephemeral shallow
	Gate
	Stockproof fence
	Bird hide
	Vehicle access / permissive path



REFERENCE DOCUMENTS AND DRAWINGS

PLEASE REFER TO THE BELOW DRAWINGS:
HTR-GHD-WL-ZZ-DR-L-0012 - WETLANDS RETAINING STRUCTURE, OVERALL DESIGN STRATEGY
HTR-GHD-WL-ZZ-DR-L-0050 - WETLANDS RETAINING STRUCTURE, LANDSCAPE AND ECOLOGY PROPOSALS
HTR-GHD-WL-ZZ-DR-L-0051 - WETLANDS RETAINING STRUCTURE, ACTIVE WATER CONTROL FEATURE - PENSTOCK DETAIL
HTR-GHD-WL-ZZ-DR-L-0052-55 - WETLANDS RETAINING STRUCTURE, SPILLWAY ARRANGEMENTS
HTR-GHD-WL-ZZ-DR-S-0062-65 - WETLANDS RETAINING STRUCTURE, ACTIVE WATER CONTROL PENSTOCK CHAMBER DETAILS.

P07	CLIENT COMMENTS	SWG	SWG	02/05/2024
P06	CLIENT COMMENTS	SWG	SWG	06/03/2024
P05	CLIENT COMMENTS	SWG	SWG	06/12/2023
P04	FOR APPROVAL	SWG	SWG	29/11/2023
P03	FOR COMMENTS	SWG	SWG	23/11/2023
P02	CLIENT AMENDMENTS	SWG	SWG	07/11/2023
P01	INITIAL ISSUE	SWG	SWG	30/08/2023
Rev	Description	Checked	Approved	Date

Author	ST	Drafting Check	SWG
Designer	SWG	Design Check	SWG

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Project No.
12547181

Client PORTSMOUTH WATER

Project HAVANT THICKET RESERVOIR

Status FOR APPROVAL

Status Code S4

Drawing Title
WETLANDS RETAINING
STRUCTURE - LANDSCAPE
GENERAL ARRANGEMENT
SHEET 6 OF 6

Size
A1

HTR-GHD-WL-ZZ-DR-L-0061

Drawing No.
Rev
P07

NOTES

PLANTING MAINTENANCE & MANAGEMENT

THE SOFT LANDSCAPE MAINTENANCE AND MANAGEMENT IS SEEN AS A VITAL PART OF ACHIEVING AND SUSTAINING THE OVERARCHING OBJECTIVES OF THE LANDSCAPE DESIGN. THESE INCLUDE:

- VISUAL VALUES, FOCUSED ON THE CREATION OF A VARIED, ATTRACTIVE, ENGAGING SPACES, WHERE THE PLANTING FORMS A KEY PART OF PLACEMAKING AND THE LANDSCAPE EXPERIENCE;
- FUNCTIONAL VALUES, THE CREATION OF A LANDSCAPE THAT IS MINDFUL OF THE SETTING AND FRAMES DIFFERENT ACTIVITIES AND USES ACROSS THE RESERVOIR WETLAND, INCLUDING BIRD WATCHING, RELAXATION, RECREATION AND NEW WETLAND FEATURES;
- BIODIVERSITY VALUES, MAXIMISING THE ECOLOGICAL VALUE OF ALL PLANTING TYPES, CREATING DIVERSE HABITATS FOR BOTH FLORA AND FAUNA, AS WELL AS ALLOWING PEOPLE TO INTERACT WITH AND OBSERVE NATURE IN AN EXTENSIVE WETLAND SETTING. THE BIODIVERSITY VALUES ARE KEY AND STRONGLY LINKED TO THE OTHER TWO POINTS, FORMING PART OF WHAT ALSO DEFINES THE VISUAL CHARACTER OF THE LANDSCAPE - NATURALISTIC WITH SEASONAL VARIATION. THE MAINTENANCE OPERATIONS WILL THEREFORE BE ADAPTED TO SUPPORT THE EXISTING VARIED ECOLOGICAL FEATURES ALSO MINDFUL OF THE AMENITY AND ORNAMENTAL SETTING OF THE EXISTING OPEN GRASSLAND, WOODLAND, HEDGEROWS, AND DITCHES.
- A RANGE OF DIFFERENT HABITAT TYPES WILL BE CREATED ACROSS THE APPLICATION SITE. ALL WITH THEIR SPECIFIC MAINTENANCE REQUIREMENTS. ALL PLANTING TYPOLOGIES HAVE BEEN SELECTED TO SUIT THE VARIED CONDITIONS ACROSS THE SITE AND ALL WILL BE DESIGNED WITH ROBUSTNESS AND EASE OF MAINTENANCE IN MIND.

OUTLINE SOFT LANDSCAPE MAINTENANCE TASKS TO COVER YEARS 1-5 POST COMPLETION ARE SUMMARISED BELOW:

- WATERING AS REQUIRED DURING THE ESTABLISHMENT PERIOD, TO ENSURE SUCCESSFUL ESTABLISHMENT, GROWTH AND DEVELOPMENT;
- SPECIES APPROPRIATE FORMATIVE PRUNING OF HEDGEROW TO MAINTAIN DESIRED FORM, AND TO ENSURE THEY DO NOT GROW TO OBSTRUCT GATES, PATHS AND BIRD HIDES. ANY TREE WORK TO BE IN LINE WITH GOOD ARBORICULTURAL PRACTICE BS 3998;
- REGULAR CHECK FOR HEALTH AND PERFORMANCE OF ALL PLANTING;
- REMOVAL OF DEAD PLANTS IF REQUIRED AND REPLACEMENT PLANTING IN THE NEXT PLANTING SEASON;
- REGULAR MOWING OF THE AMENITY GRASSLAND AREAS AROUND VISITOR CENTRE PATHS AND ACCESS TO BIRD HIDES;
- MOWING ALL, OR SOME OF THE MARGINAL WET GRASSLAND AREAS ANNUALLY MAY BE REQUIRED;
- COMPOST/MULCH; CHECK AND TOP UP ONCE A YEAR;

- WEEDING AS REQUIRED
- LITTER CLEARANCE AS REQUIRED.

MAINTENANCE
SCHEDULE OF LANDSCAPE MAINTENANCE
MAINTENANCE WILL BE IN LINE WITH THE APPROVED MANAGEMENT PLAN.

GENERALLY VISITS WILL BE MADE ON REGULAR, MONTHLY BASES I.E. 12 VISITS PER YEAR AND INCLUDE OPERATIONS SET OUT BELOW. A SATISFACTORY CERTIFICATE OF COMPLETION WILL BE REQUIRED ON EVERY VISIT. ON EACH VISIT THE FOLLOWING OPERATIONS WILL BE CARRIED OUT AND AN INSPECTION CERTIFICATE SIGNED BY THE SITE MANAGER COMPLETED:-

- LITTER COLLECTION.
- REMOVAL AND REPLACEMENT OF DEAD AND VANDALISED PLANTS.
- WATERING OF LAWNS, TREES AND SHRUBS AS NECESSARY.
- HAND WEEDING OF BEDS AND BORDERS.
- PRUNING OF HERBACEOUS WETLAND PLANTING AND SEMI-NATIVE SHRUBS ONCE A YEAR.
- PEST AND DISEASE CONTROL.
- TOPPING-UP OF BARK MULCH AS NEEDED.
- GRASS CUTTING AND TRIMMING OF EDGES AS SET OUT IN THE GRASS CUTTING
- REMOVAL OF ANY WETLAND PLANT MATERIAL/ DEBRIS WITHIN 1 M OF THE INLET AND OUTLET FEATURES.
- REMOVAL/ THINNING OF ANY WETLAND PLANT MATERIAL MAY BE REQUIRED AFTER THE 5 YEAR ESTABLISHMENT PERIOD TO MAINTAIN FLOW AND FUNCTION.

RAISED LANDFORMS & EPHEMERAL SHALLOWS
EXISTING GROUND MANIPULATED TO FORM SHALLOWS AND RAISED AREAS. USING A CUT AND FILL TECHNIQUE THROUGH REUSE OF MATERIAL GENERATED FROM SHALLOW CREATION TO THEN BE USED TO CREATE RAISED AREAS. THIS IS ASSUMING MATERIAL EXCAVATED FROM THE WET GRASSLAND AREA IS SUITABLE FOR THE FORMATION OF RAISED AREA. SHALLOWS NO DEEPER THAN APPROXIMATELY 500MM BELOW GROUND LEVEL WITH GENTLE SLOPES AND RAISED AREAS APPROXIMATELY 500MM MAXIMUM ABOVE GROUND LEVEL.