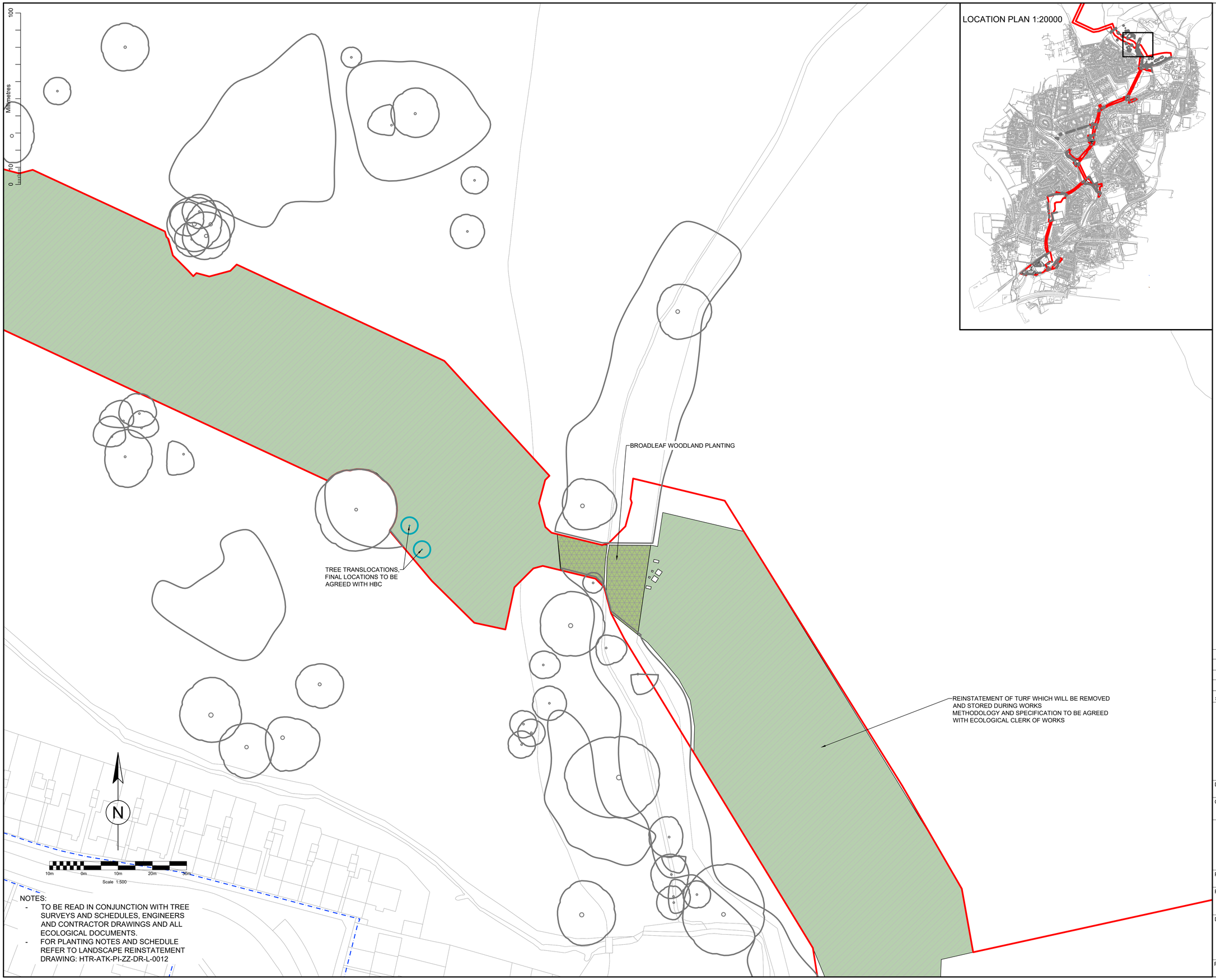


NOTES:

- 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-PI-ZZ-DR-L-0012

LOCATION PLAN 1:20000

DO NOT SCALE

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)
Ac = Acer campestre (Field Maple)
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 SEEDED WITH AMENITY GRASS SEED MIXTURE

SPORTS GRASS
G4 MODIFIED GRASSLAND, TO BE SEEDED 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 SEEDED WITH A SPECIES-RICH MEADOW MIXTURE

SPECIES-RICH GRASS
G3C OTHER NEUTRAL GRASSLAND, TO BE SEEDED 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 SEEDED 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 OF TRANSPLANTS, FEATURES 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.

Rev. Status	Drn By	Ckd By	Rev By	Auth By	Description	Date
P06	JS	DB	DB	JF	DRAWING NUMBER CHANGED	02/07/25
P05	JS	DB	DB	JF	BNG UPDATE	26/02/25
P04	JS	DB	DB	JF	HIGHWAY BOUNDARY ADDED	04/11/24
P03	JS	DB	DB	JF	UPDATED TO COMMENTS	22/05/24

AtkinsRéalis
Two Chamberlain Square
Birmingham
West Midlands
B3 3AX
Tel: +44 (0)121 483 5757
Fax:
www.atkinsrealis.com
© AtkinsRéalis (2025)

Drawing Suitability: FOR INFORMATION
Status: S2

Contractors Drawing Number:
HTR (Project) -ATK- (Originator) PI- (Volume) ZZ (Location) -DR- (Type) L- (Role) 0010 (Number)

Telephone: Havant (023) 9249 9888
Fax: Havant (023) 9245 3632
Website: www.portsmouthwater.co.uk
Registered Office: PO Box 8 West Street
Havant Hampshire PO9 1LG
REGISTERED IN ENGLAND No. 2536455

Portsmouth Water

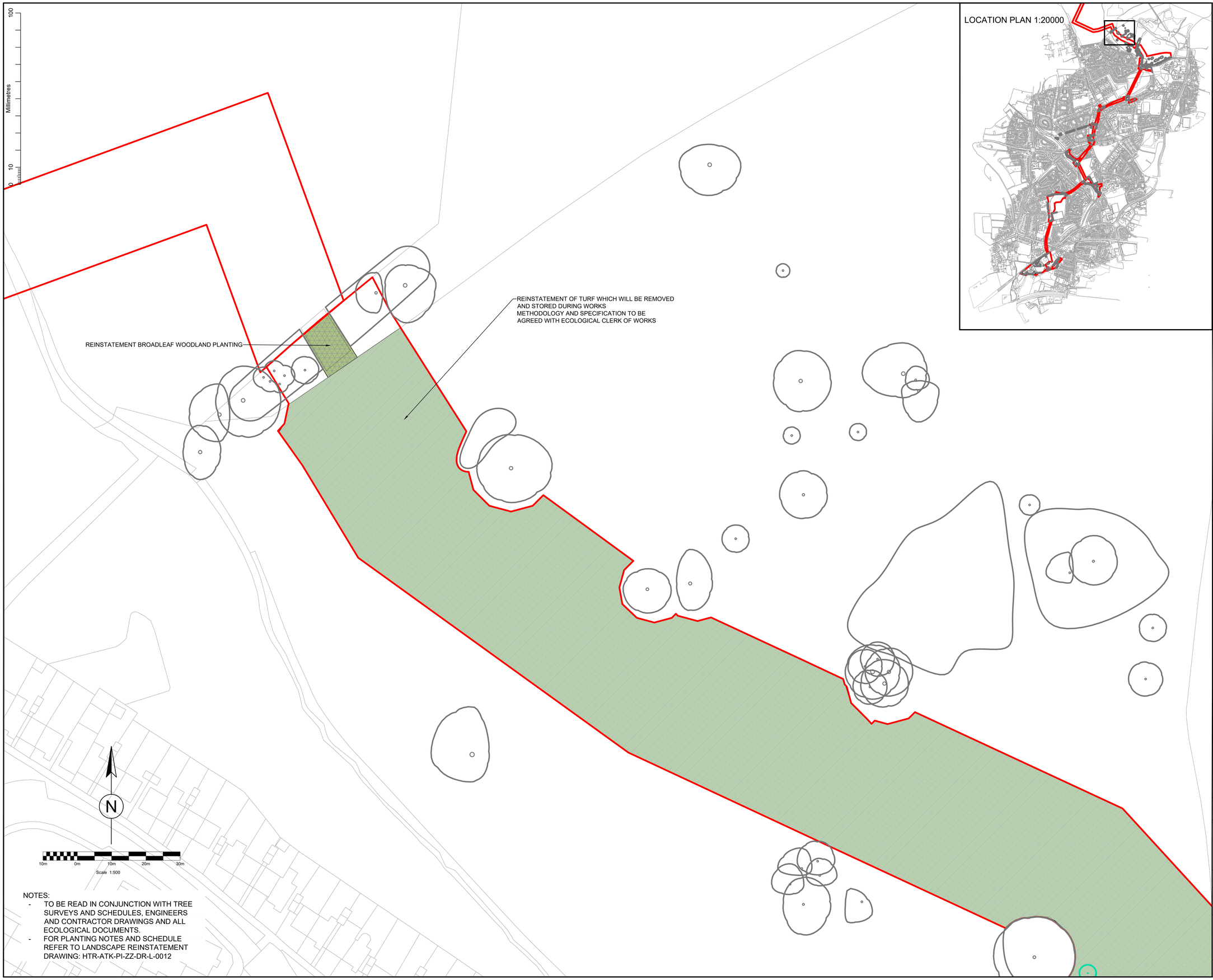
Project Ref. No:	Sheet:	Scale:	Sheet Size:
HTR	10 of 12	1:500	A1

Project Title:
HAVANT THICKET RESERVOIR
PIPELINE APPLICATION

Drawing Title:
LANDSCAPE
REINSTATEMENT PLAN

Portsmouth Water Drawing Number:

Rev: P06



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-PI-ZZ-DR-L-0012

LOCATION PLAN 1:20000

DO NOT SCALE

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)
Ac = Acer campestre (Field Maple)
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 SEEDED WITH AMENITY GRASS SEED MIXTURE

SPORTS GRASS
G4 MODIFIED GRASSLAND, TO BE SEEDED 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 SEEDED WITH A SPECIES-RICH MEADOW MIXTURE

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 SEEDED 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 OF TRANSPLANTS, FEATURES 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
H2AS SPECIES-RICH NATIVE HEDGEROW. PLANTING OF TRANSPLANTS TO GIVE >5 SPECIES PER 30M SECTION.

HARD LANDSCAPE (PROPOSED)

HARD SURFACE
FOOTPATH, ROAD OR HARD STANDING TO BE REINSTATED TO MATCH EXISTING TREATMENT

Rev. Status	Dm By	Ckd By	Rev By	Auth By	Description	Date
P06	JS	DB	DB	JF	DRAWING NUMBER CHANGED	02/07/25
P05	JS	DB	DB	JF	BNG UPDATE	26/02/25
P04	JS	DB	DB	JF	HIGHWAY BOUNDARY ADDED	04/11/24
P03	JS	DB	DB	JF	UPDATED TO COMMENTS	22/05/24

AtkinsRéalis
Two Chamberlain Square
Birmingham
West Midlands
B3 3AX
Tel: +44 (0)121 483 5757
Fax:
www.atkinsrealis.com
© AtkinsRéalis (2025)

Drawing Suitability: FOR INFORMATION
Status: S2

Contractors Drawing Number:
HTR (Project) -ATK- (Originator) PI- (Volume) ZZ (Location) -DR- (Type) L- (Role) 0011 (Number)

Telephone: Havant (023) 9249 9888
Fax: Havant (023) 9245 3632
Website: www.portsmouthwater.co.uk
Registered Office: PO Box 8 West Street
Havant Hampshire PO9 1LG
REGISTERED IN ENGLAND No. 2536455

Portsmouth Water

Project Ref. No:	Sheet:	Scale:	Sheet Size:
HTR	11 of 12	1:500	A1

Project Title:
HAVANT THICKET RESERVOIR
PIPELINE APPLICATION

Drawing Title:
LANDSCAPE
REINSTATEMENT PLAN

Portsmouth Water Drawing Number:

Rev: P06

DO NOT SCALE

PROPOSED PLANTING SCHEDULE

PROPOSED TREE PLANTING

Botanical name	Common name	Height	Girth	Root Zone	Specification	Abbrev
Acer campestre	Field maple	400-450cm	10-12cm	RB	2x: Selected Standard; clear stem minimum 200cm; 4 breaks	Ac
Alnus glutinosa	Common Alder	400-450cm	10-12cm	RB	2x: Selected Standard; clear stem minimum 200cm; 4 breaks	Ag
Betula pendula	Silver Birch	400-450cm	10-12cm	RB	2x: Selected Standard; clear stem minimum 200cm; 4 breaks	Bpn
Crataegus monogyna	Hawthorn	400-450cm	10-12cm	RB	2x: Selected Standard; clear stem minimum 200cm; 4 breaks	Cm
Prunus Avium	Wild Cherry	400-450cm	10-12cm	RB	2x: Selected Standard; clear stem minimum 200cm; 4 breaks	Pn
Quercus robur	Common Oak	400-450cm	10-12cm	RB	2x: Selected Standard; clear stem minimum 200cm; 4 breaks	Qr
Sorbus aucuparia	Rowan	400-450cm	10-12cm	RB	2x: Selected Standard; clear stem minimum 200cm; 4 breaks	Sa
Salix caprea	Goat Willow	400-450cm	10-12cm	RB	2x: Selected Standard; clear stem minimum 200cm; 4 breaks	Sc
Salix fragilis	Crack Willow	400-450cm	10-12cm	RB	2x: Selected Standard; clear stem minimum 200cm; 4 breaks	Sf
Tilia cordata	Small-Leaved Lime	400-450cm	10-12cm	RB	2x: Selected Standard; clear stem minimum 200cm; 4 breaks	Tc

Trees shall be planted with suitable stakes, ties and guards.

BROADLEAF WOODLAND MIX- OTHER WOODLAND; BROADLEAVED

Botanical name	Common name	Form	Size	%
Acer campestre	Field Maple	Transplant	1+2, 60-90, B	10
Betula pendula	Silver Birch	Transplant	1+2, 60-90, B	20
Corylus avellana	Hazel	Transplant	1+2, 60-90, B	5
Crataegus monogyna	Hawthorn	Transplant	1+2, 60-90, B	5
Fagus sylvatica	Beech	Transplant	1+1, 60-90, B	20
Ilex aquifolium	Holly	Transplant	60-80, 3L, C	5
Prunus avium	Wild Cherry	Transplant	1+2, 60-90, B	10
Quercus robur	English Oak	Transplant	1+1, 60-90, B	25

To be planted at 1m centres, in groups of 3-7. Plants to be protected with tree shelters / Rabbit guards.

WET WOODLAND MIX

Botanical name	Common name	Form	Size	%
Alnus glutinosa	Alder	Transplant	1+2, 60-90, B	20
Betula pubescens	Downy Birch	Transplant	1+2, 60-90, B	20
Fagus syvatica	Beech	Transplant	1+2, 60-90, B	10
Quercus robur	Oak	Transplant	1+2, 60-90, B	10
Salix caprea	Goat Willow	Transplant	1+2, 60-90, B	20
Salix fragilis	Crack Willow	Transplant	1+2, 60-90, B	20

To be planted at 1m centres, in groups of 3-7. Plants to be protected with tree shelters / Rabbit guards.

MIXED SCRUB PLANTING

Botanical name	Common name	%	Size
Corylus avellana	Hazel	20	1+2, 60-90, B
Crataegus monogyna	Hawthorn	20	1+1, 60-90, B
Ligustrum vulgare	Common Privet	5	1+1, 60-90, B
Prunus spinosa	Blackthorn	20	1+1, 60-90, B
Rhamnus cathartica	Common Buckthorn	10	1+1, 60-90, B
Rosa canina	Dog Rose	5	1+1, 60-90, B
Salix caprea	Goat Willow	15	1+1, 60-90, B
Sambucus nigra	Elder	5	1+1, 60-90, B

To be planted at 1m centres, minor species in groups of 3-7. Plants to be protected with rabbit guards. Mix has been selected based on tree survey which idenfies species to be removed, some additional native species have been added.

NATIVE PLUG PLANTING MIX: TO BE PLANTED UNDER WET WOODLAND MIX

4 plug plants to be planted per M^2

Botanical name	Common name	Specification
Juncus effusus	Soft Rush	50cc min. Plug; established root 2-3 months minimum; Sept to April planting; British native-origin
Mentha aquatica	Water Mint	50cc min. Plug; established root 2-3 months minimum; Sept to April planting; British native-origin
Filipendula ulmaria	Meadowseet	50cc min. Plug; established root 2-3 months minimum; Sept to April planting; British native-origin
Cardamine pratensis	Cuckooflower	50cc min. Plug; established root 2-3 months minimum; Sept to April planting; British native-origin
Caltha palustris	Marsh Marigld	50cc min. Plug; established root 2-3 months minimum; Sept to April planting; British native-origin
Valeriana officinalis	Common Valarian	50cc min. Plug; established root 2-3 months minimum; Sept to April planting; British native-origin
Comarum palustre	Marsh Cinquefoil	50cc min. Plug; established root 2-3 months minimum; Sept to April planting; British native-origin
Carex paniculata	Greater Tussock-sedge	50cc min. Plug; established root 2-3 months minimum; Sept to April planting; British native-origin

MIXED SCRUB PLANTING- FOR DORMOUSE HABITATS

Botanical name	Common name	%	Size
Acer campestre	Field maple	5	1+2, 60-90, B
Crataegus monogyna	Hawthorn	20	1+1, 60-90, B
Cornus sanguinea	Dogwood	5	1+1, 60-90, B
Corylus avellana	Hazel	10	1+1, 60-90, B
Hedera helix	Common Ivy	5	40-60, 1L
Lonicera periclymenum	Honeysuckle	10	60-80, 2L
Malus sylvestris	Crab apple	10	1+1, 60-90, B
Prunus spinosa	Blackthorn	10	1+1, 60-90, B
Rubus fruticosus	Blackberry	5	0/1: Cutting, B
Salix caprea	Goat Willow	5	1+1, 60-90, B
Sambucus nigra	Elder	10	1+1, 60-90, B
Ulex europaeus	Common gorse	5	20-30, 2L

To be planted at 1m centres, minor species in groups of 3-7. Plants to be protected with rabbit guards. Mix has been selected based on tree survey and ecological requirements. This list is subject to change based on ecological requirements.

SPECIES RICH NATIVE HEDGEROW

Botanical Name	Common name	Specification	%
Acer campestre	Field Maple	1+1, 60-90, B	5
Carpinus betulus	Hornbeam	1+1, 60-90, B	2.5
Clematis vitalba	Traveller's Joy	60-80, 2L	2.5
Corylus avellana	Hazel	1+1, 60-90, B	5
Crataegus monogyna	Hawthorn	1+1, 60-90, B	50
Fagus sylvatica	Beech	1+1, 60-90, B	5
Ilex aquifolium	Holly	60-80, 3L, C	2.5
Ligustrum vulgare	Common Privet	1+1, 60-90, B	2.5
Lonicera periclymenum	Honeysuckle	60-80, 2L	2.5
Malus sylvestris	Common Crab Apple	1+1, 60-90, B	5
Prunus spinosa	Blackthorn	1+1, 60-90, B	10
Rosa canina	Dog Rose	1+1, 60-90, B	2.5
Ulmus glabra	Wych Elm	1+1, 60-90, B	2.5
Viburnum opulus	Guelder Rose	1+1, 60-90, B	2.5

Plant 2No. Rows 500mm apart, linear spacing 300mm between centres, minor species in groups of 5-15. Plants to be protected with rabbit guards.

GENERAL PURPOSE MEADOW GRASS MIXTURE- MODIFIED GRASSLAND- Emorsgate EG1 or equal approved

Sowing rates: 50kg/ha, 20kg/acre, 5g/m^2

Botanical name	Common name	%
Agrostis capillaris	Common Bent	10
Cynosurus cristatus	Crested Dogstail	35
Festuca rubra	Slender Creeping Red Fescue	30
Phleum bertolini	Smaller Cat's-tail	5
Poa pratensis	Smooth Stalked Meadow Grass	20

A9 GENERAL OUTFIELD SPORTS SEED MIX- MODIFIED GRASSLAND- Germinal or equal approved

Sowing rate: 35g/m^2

Botanical name	Common name	%
Lolium perenne	EG Resistis Perennial Ryegrass	40
Festuca rubra	Corail Srong Creeping Red Fescue	30
Lolium perenne	Agreement Perennial Ryegrass	20
Poa pratensis	Tetris Perennial Ryegrass	10

LT6 SPORTS TURF- MODIFIED GRASSLAND: By Lindum or equal approved. Turf is required to withstand wear and tear inflicted on rugby pitches

Specification
30% Columbine Perennial Ryegrass, 30% Melbourne Perennial Ryegrass, 25% Julius Smooth Stalked Meadow Grass, 15% Carousel Slender Creeping Red Fescue.
Size & weight: Standard rolls 1 square metre. Large rolls 1.05 x 20m. Final thickness: 15-20mm. 15-20KG per square metre depending on saturation.
The turf soil should be of sandy loam nature with no stones.
The grass will be dense, of uniform green colour, free from broadleaved weeds and not visibly affected by pest of disease.

SPECIES RICH MEADOW MIXTURE- OTHER NEUTRAL GRASSLAND Emorsgate EM3 or equal approved

WILD FLOWERS		
Botanical name	**Common name**	**%**
Agrimonia eupatoria	Agrimony	0.4
Anthyllis vulneraria	Kidney Vetch	0.4
Centaurea nigra	Common Knapweed	1.6
Centaurea scabiosa	Greater Knapweed	0.6
Chaerophyllum temulum	Rough Chervil	0.1
Cruciata laevipes	Crosswort	0.4
Daucus carota	Wild Carrot	1.2
Echium vulgare	Viper's-bugloss	0.2
Galium album	Hedge Bedstraw	1
Galium verum	Lady's Bedstraw	0.8
Geranium pratense	Meadow Crane's-bill	0.1
Knautia arvensis	Field Scabious	1
Lathyrus pratensis	Meadow Vetchling	0.2
Leucanthemum vulgare	Oxeye Daisy	1
Malva moschata	Musk Mallow	2.4
Medicago lupulina	Black Medick	0.6
Onobrychis viciifolia	Sainfoin	0.2
Origanum vulgare	Wild Marjoram	0.4
Plantago lanceolata	Ribwort Plantain	2.2
Plantago media	Hoary Plantain	0.4
Poterium sanguisorba ssp sanguisorba	Salad Burnet	2
Primula veris	Cowslip	0.4
Prunella vulgaris	Selfheal	0.2
Ranunculus bulbosus	Bulbous Buttercup	0.4
Sanguisorba officinalis	Great Burnet	0.1
Silene dioica	Red Campion	1
Silene vulgaris	Bladder Campion	0.2
Vicia cracca	Tufted Vetch	0.3
Vicia sativa ssp. segetalis	Common Vetch	0.2
		20
GRASSES		
Agrostis capillaris	Common Bent	8
Cynosurus cristatus	Crested Dogstail	28
Festuca rubra	Red Fescue	24
Phleum bertolonii	Smaller Cat's-tail	4
Poa pratensis	Smooth-stalked Meadow-grass	16
		80

PLANTING NOTES:

All planting to be in accordance with series 3000 Specification for Highways Works.

Preparation and cultivation:
All groundwork shall comply with BS 3882 and BS 8601 for topsoil. Site won topsoil and subsoil material is to be screened, free from contamination, building materials, stones and roots over 50mm.
Clean imported topsoil is to be in compliance with BS 3882.
Low nutrient topsoil to be used for species rich grass areas.
Subsoil to be loosed to min 500mm depth by ripping at 600mm centres using appropriate tillage equipment. After spreading topsoil, rip at 300mm centres to depth of 300mm for grass areas and 600mm for planting areas.
Further cultivation: any large, compacted lumps of soil shall be broken down by further appropriate cultivation (in accordance with BS 4428) to produce a fine tilth suitable for planting (<30mm), turfing and seeding (<10mm).
New trees and shrubs shall be planted into established grass areas (either existing or newly seeded as part of the works).
All site preparation, planting and maintenance works shall be carried out in accordance with British Standard BS 4428:1989 code of practice for general landscape operations (excluding hard surfaces).
All trees and plants supplied shall comply with the requirements of all parts of British Standard BS 3936 specification for nursery stock, BS 8545:2014 trees: from nursery to independence in the landscape. Recommendations & The National Plant Specification.
All new tree planting shall be positioned in accordance with the requirements of table A.1 of British standard BS 5837:2012 Trees in Relation to Design, Demolition and Construction –Recommendations.

Scrub Planting areas shall be cultivated to a minimum depth/width of 300mm width and backfilled with re-mixed 80% topsoil/20%compost mixture and cultivated to a medium tilth, all planting pits and excavations are free draining. Backfill material to all planting pits to include granular fertiliser of a nutrient value (N:P:K) appropriate to the site soil conditions. Scrub planting to be protected with shrub guards the shrub guard shall be supported by one wooden stakes all straight and in length 32 mm x 32 mm pressure treated sawn softwood minimum 900 mm long, fixed with two releasable ratchet ties fitted at height 200 and 400 mm.

Tree planting pits are to be suitable for each root ball, excavated to a minimum depth/width 1000mm with slow release fertiliser granules fully incorporated within backfill material. For extra heavy standards and heavy standards the staking shall be undertaken after the tree has been positioned. Two stakes, each of 3 m length shall be driven down the side of the rootball and into the pit to a depth of 500 mm below the bottom of the pit. the stakes shall be angled outwards to between 5° and 10° at the top and pulled in moderately by tensioning all the supporting bands equally. The stakes shall be equally spaced and shall not pass through the rootball.

Timing and condition of stock:
The condition of all proposed planting stock is to be in accordance with BS 3936:1992 and BS 5236. all stock shall be sourced from a HTA (Horticultural Trade Association) approved nursery. Rootballed trees are to be planted between mid-October and early April; outside of this period, all rootballed trees are to be replaced with containerised stock. All other planting to be undertaken between September and march, except when the ground is frozen and/or snow bound,waterlogged, and during prolonged dry and windy conditions.
Upon completion of planting all plants are to be fully watered in to field capacity. All dead or dying foliage and branches to be pruned.

Grass seeding:
Seed is best sown in the autumn or spring but can be sown at other times of the year if there is sufficient warmth and moisture in the soil. Moisture may be supplied artificially by watering but must be thorough enough to penetrate at least 100mm, and continued after sowing if dry weather follows. Seed should be surface sown onto a freshly prepared seed bed and can be applied by machine or broadcast by hand. To get an even distribution, divide the seed into two or more parts and sow in overlapping sections.

Landscape Maintenance:
Damage or disturbance to soil structure, planting, grass, fencing, hard landscaping, structures or buildings: reinstate to original condition.
Watering: as necessary for the continued thriving of all planting. wet to field capacity.
Amenity grass areas to be cut between march and October. To be cut when required to maintain neat and tidy sward. cut to 30mm height, do not allow to growth over 50mm.
Species rich grassland: cut once a year in august or September once flowers have gone to seed. cut to height of 100mm and remove all arisings.
Failures to any planting and seeding to be made good and replaced in the next suitable planting /seeding season.
All planting and trees to be refirmed after strong winds or frost heave. Check all tree stakes and adjusted as needed.
Planting areas and around base of trees to be kept weed free.

Rev. Status	Drn By	Ckd By	Rev By	Auth By	Description	Date
P04	JS	DB	DB	JF	DRAWING NUMBER CHANGED	02/07/25
P03	JS	DB	DB	JF	UPDATED TO COMMENTS	22/05/24
P02	JS	DB	DB	JF	UPDATED TO COMMENTS	15/05/24
P01	JS	DB	DB	JF	FOR REVIEW AND COMMENT	17/04/24

AtkinsRéalis
Two Chamberlain Square
Birmingham
West Midlands
B3 3AX
Tel: +44 (0)121 483 5757
Fax:
www.atkinsrealis.com
© AtkinsRéalis (2025)

Drawing Suitability: FOR INFORMATION — Status: S2

Contractors Drawing Number: HTR (Project) -ATK- (Originator) PI- (Volume) ZZ (Location) -DR- (Type) L- (Role) 0012 (Number)

Telephone: Havant (023) 9249 9888
Fax: Havant (023) 9245 3632
Website: www.portsmouthwater.co.uk
Registered Office: PO Box 8 West Street
Havant Hampshire PO9 1LG
REGISTERED IN ENGLAND No. 2536455
Portsmouth Water

Project Ref. No: HTR | Sheet: 12 of 12 | Scale: 1:500 | Sheet Size: A1

Project Title: HAVANT THICKET RESERVOIR PIPELINE APPLICATION

Drawing Title: LANDSCAPE REINSTATEMENT- PLANTING SCHEDULE

Portsmouth Water Drawing Number: | Rev: P04