

Wetland Planting [12 Common name	Botanical name	% cover	Cell 1 [m ²]	Cell 2 [m ²]	Cell 3 [m ²] 4418 Plant number	Cell 4 [m ²] 2585 Plant number	F.M. Area [m ²] 930 Plant number	Total plant number
			487	5399 Plant number				
			Plant number					
Emergent wetland p	lant species							
Lesser pond sedge	Carex acutiformis	25	731	8099	6627	3878	1395	2073
Reed Sweet Grass	Glyceria maxima	30	877	9718	7952	4653	1674	2487
Lesser reedmace	T ypha angustifolia	20	584	6479	5302	3102	1116	1658
Greater reedmace	Typha latifolia	15	438	4859	3976	2327	837	1243
Marginal wetland pl	ant species			•	•	•	•	
Yellow flag	lris pseudacorus	2	58	648	530	310	112	165
Water mint	Mentha aquatica	1	29	324	265	155	56	82
Purple loosestrife	Lythrum salicaria	1	29	324	265	155	56	82
Brooklime	Veronica beccabunga	1	29	324	265	155	56	82
Gipsywort	Lycopus europaeus	1	29	324	265	155	56	82
Marsh cinquefoil	Potentilla palustris	1	29	324	265	155	56	82
Marsh marigold	Caltha palustris	1	29	324	265	155	56	82
Meadowsweet	Filipendula ulmaria	1	29	324	265	155	56	82
Water forget-me-not	Myosotis scorpioides	1	29	324	265	155	56	82
Total plant number / cell			2920	32395	26507	15510	5582	8291

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- GAPS IN EXISTING HEDGEROW TO BE AUGMENTED AS PER LANDSCAPE MANAGEMENT PLAN 752214-UAX-ZZ-ZZ-EV-EN-00001 ACCESS GATE - EXISTING ACCESS TO FIELD 🖉 CELL 3 PROPOSED DITCH - EXISTING WORKS ACCESS POINT OFF B2114 ON-SITE BOULDERS WORKS ACCESS TRACK

ON-SITE BOULDERS

Table 2: Tree planting - species and numbers							
Common Name	Botanical name	Tree number	Size [trunk girth]				
Birch	Betula pubescens	8	8-10cm				
Common alder	Alnus glutinosa	6	8-10cm				
Alder buckthorn	Rhamanus Frangula	8	8-10cm				
Black Poplar	Populus nigra subsp. Betulifolia	2	8-10cm				
	Total tree number	24					

Table 3: Hedgerow planting - species and numbers							
Hedgerow [180 m]							
Common Name	Botanical name	% cover	Plant number	Size			
Hawthorn	Crataegus monogyna	60	432	Height 60-80cm;			
Blackthorn	Prunus spinosa	25	180	Winter planting:			
Field Maple	Acer campestre	5	36	bare root stock;			
Dogwood	Cornus sanguinea	5	36	April-September			
Dogrose	Rosa canina	5	36	planting: root			
Total p	lant number	100	720	trainer stock			

Table 4: Shrubs planting - species and numbers Botanical name Size Common Name Plant number Height 60-80cm; Hawthorn Crataegus monogyna Winter planting: Blackthorn Prunus spinosa Field Maple bare root stock; Acer campestre Dogwood April-September Cornus sanguinea Dogrose Rosa canina planting: root Total plant number 25 trainer stock

LANDSCAPING MANAGEMENT PLAN

A commissioning period is required to cover the initial plant establishment period this is the liability of the contractor after which any maintenance procedure liability will be that of the client.

All planting and maintenance shall be carried out as per 'Good Horticultural practice' and 'British Standard' with particular reference to: BS 3998: Recommendations for tree work

BS 8545 Trees: from Nursery to independent in landscape BS 4428: Code of practice for general landscape operations BS 7370: Grounds maintenance

The time that trees and plants are held in temporary storage should be kept to a minimum. The storage area should be specific for that purpose. All plants will be of UK provenance.

PLANTING

GROUND PREPARATION

- Planting areas should be identified and marked out so that clearly designated areas in compliance with the approved planting plan are created.
- Ground preparation shall insure sufficient topsoil is in place.
- Planting works shall be carried out during appropriate ground and weather conditions for works being undertaken.
- Following planting ensure watering and weed control is maintained.

WETLAND PLANTING

- Wetland plants will be planted in a density of 6 plants/m^{2.}
- Plant species will be planted in similar species groups/clusters.
- Planting will be carried out manually.
- Following planting water depths to be maintained at 50-100mm.
- Subject to time of year, water level management shall be reviewed weekly/monthly.
- For species list and number please refer to Table 1.

TREES AND HEDGES / SHRUBS

- Hedges / shrubs to be planted along fencing (see drawing for location) in 2 rows 450mm apart with plants spaced at staggered 450mm spacing.
- Mulch the whole surface of planting beds with bark mulch in accordance with the
- specification and suppliers' instructions.
- Tree guards using biodegradable material to be included for protection.
- For species list and number please refer to Table 2, 3 and Table 4.

GRASS AND WILDFLOWER

- Seeding to be carried out as per supplier specification (Weald Meadow Partnership).
- from; 'Responsible planting in the HW AONB').

MAINTENANCE REQUIREMENTS

WETLAND AREAS

- Water level management within the wetland cells for plant establishment.
- ICW system (operational 150-200mm).
- away from pipes.
- Monitoring and access points to be kept clear of vegetation. • Overtime (15-20 yrs.) desludging and replanting.
- As required remove unwanted species, e.g. willow, under best practice.
- Ensure unwanted or invasive plant species do not establish in cells.

TREES

- Pruning shall be carried out as necessary to establish a well-balanced head relative to the natural form and shape of the species and purpose.
- Remove any dead, dying and damaged branches or growth obstructing pedestrian or vehicular routes. • Tree support systems, ties and protective guards shall be checked regularly during establishment and adjusted where necessary. Any broken or missing items shall be
- replaced, and ties adjusted to allow growth and prevent rubbing of bark. Remove as soon as practical. • Maintain a weed free area at the base of all trees.
- Watering of trees shall be carried out (if necessary) weekly, immediately following planting. Watering frequency shall be assessed subject to season and requirements.

HEDGEROW / SHRUB

- Planting to be maintained to encourage vigorous growth according to species habit
- interlocking with adjacent species to avoid bare patches and discourage weed growth. • Maintenance requirements including pruning shall be required to be tailored to the individual species. Remove any dead, dying and damaged growth or growth obstructing
- vehicular routes outside of bird breeding season (March to August inclusive). • Check condition of guards and shelters and replace broken or missing items until such a time as they become redundant. Adjust if necessary to allow for growth and prevent damage to bark. Remove as soon as practical. Re-firm any plants that have been disturbed by adverse weather or interference.
- Maintain a weed free area at the base of all trees and hedges, with approved mulch. • Hedge trimming/cutting is recommended once annually, on only one side of the hedge.

This can be alternated from year to year.

GRASS AND WILDFLOWER AREAS

- Wildflower Grasslands in the Weald' guidance sheets.
- Mow long grass areas on an annual basis in September-October (or per suppliers recommendations) to a minimum height of 10cm Removal of all arising which would be stacked in scrub areas with no ground flora as habitat piles. Remove litter, rubbish and other debris from areas prior to cutting.
- Exercise extreme care when working in close proximity to existing/new trees and prevent damage to stems/trunks.

REPLACEMENT OF DAMAGED / DEAD PLANTS Routine inspection and management, as part of the operation and management of the site shall identify where 'any planting removed, dying or becoming seriously damaged or diseased within 5 years of planting shall be replaced within the first planting season thereafter with planting of similar size and species unless the local planning authority gives written consent for any variation'.

• Suitable source of water for preparing cells for planting will be confirmed in advance. • Soils to be saturated prior to planting with no greater than 100mm of water.

• Tree locations as indicated on drawing and carried out to BS standards as listed above.

• Optimally seed should be ordered in Spring prior to autumn seeding. (Reference guidance

• Water levels shall be kept optimal to allow for species establishment and efficiency of the

• Pulling back of vegetation from inlet and outlet pipe areas and dispose on embankments

Species planting blocks to be maintained to encourage substantial coverage and

Initial seasonal establishment shall follow suppliers recommendations and 'Enhancing

NOTES

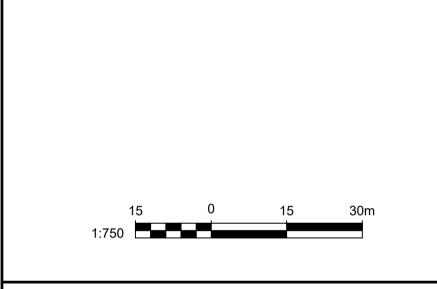
PLEASE REFER TO LANDSCAPE MANAGEMENT PLAN FOR FURTHER INFORMATION. THERE MIGHT BE SOME VARIATIONS OF THE WETLAND PLANTS NUMBER AND SIZES SUBJECT TO AVAILABILITY.

WILDFLOWER AND GRASS AREAS TO COMPRISE OF 20/80% MIXTURE OF WEALD NATIVE ORIGIN SEED AS PER SUPPLIERS SPECIFICATION (WEALD MEADOW PARTNERSHIP).

DRAWING TO BE READ IN CONJUNCTION WITH ASSOCIATED DESIGN DOCUMENTS.

LEGEND

	OWNERSHIP BOUNDARY
	PLANNING APPLICATION BOUNDARY
	ELEVATION CONTOURS (0.5m INTERVALS)
~~	EXISTING FENCE
	EXISTING TREE / HEDGE
	RISING MAIN (TBC BY GTB)
	PIPEWORK
oo	STOCKPROOF FENCE
● MH	PROPOSED MANHOLE
	NATIVE TREES
*	NATIVE HEDGE / SHRUB
* * * * * * * * *	WETLAND PLANTING
	EMBANKMENTS PLANTED WITH WEALD NATIVE ORIGIN SEED (WNOS). WILDFLOWER AND GRASS COMPOSITION 20/80%
· • • • • • • • • • •	FLOOD MITIGATION WETLAND PLANTING
	PROPOSED MAINTENANCE ACCESS ROAD (MINIMUM 3.5m WIDTH)
-	PROPOSED VEHICULAR ACCESS



CURRENT VERSION INFORMATION Initial Status or WIP XXXXXX.

								1
04/06/24	A5	AC	AC	AC	C07	A5	SUITABLE FOR CONSTRUCTION	1
08/05/24	A5	AC	AC	AC	C06	A5	SUITABLE FOR CONSTRUCTION	
26/04/24	A5	AC	AC	AC	C05	A5	SUITABLE FOR CONSTRUCTION	
25/04/24	JF	AC	AC	AC	C04	A5	SUITABLE FOR CONSTRUCTION	
24/04/24	JF	AC	AC	AC	C03	A5	SUITABLE FOR CONSTRUCTION	
06/02/24	JF	AC	AC	AC	C02	A5	SUITABLE FOR CONSTRUCTION	4
29/01/24	JF	AC	AC	AC	C01	A5	SUITABLE FOR CONSTRUCTION	200mm
24/11/23	JF	AC	AC	AC	P02	S3	REVIEW AND COMMENT	[
19/10/23	JF	AC	AC	AC	P01	S3	REVIEW AND COMMENT	\mathbf{F}
DATE	ORIG	CHKD	REVD	APPR	REV	STS	REASON FOR ISSUE	┠

Southern Water	Southern House Yeoman Road Worthing West Sussex BN13 3NX telephone (01903) 264444 fax (01903) 691435					
and Binnies UK Limited	DISTRICT AND					
PROJECT TITLE						
STAPLEFIELD WTW						
	-					
DRAWING TITLE						
LANDSCA	APE PLAN					
	-					
	T MAGTED					

SITE UNIT	TPFIELD	site unit ^{NO.} 101464	^{MASTER} ^{SIZE} A1	
PRN 752214		scale 1:750	status A5	
S.W. DRAWING NO.	REVISION			