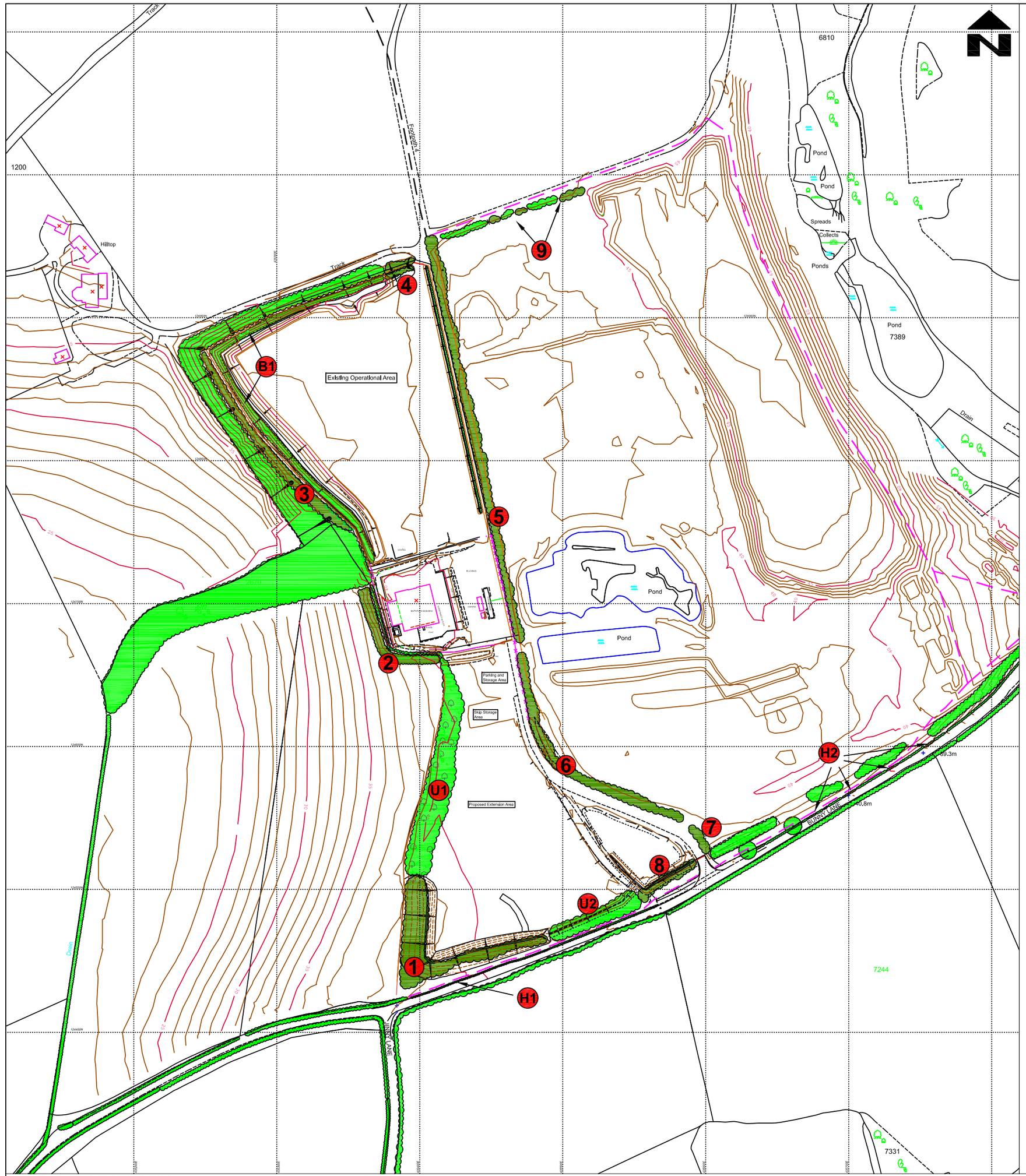

SCHEDULES OF PLANT MATERIAL

New Planting Mix					Block	1	2	3	4	5	6	7	8
					Area (m^2)	1940	600	950	180	1950	1250	125	300
Botanical Name	Common Name	% Mix	Size	Protection	Total No. Plants (unrounded)	485	150	235	45	490	310	32	75
Acer campestre	Field Maple	5	40-60cm	60cm tree spiral/cane		24	8	12	2	25	16	2	4
Alder glutinosa	Common Alder	5	40-60cm	60cm tree spiral/cane		24	8	12	2	25	16	2	4
Betula pendula	Birch	5	40-60cm	60cm tree spiral/cane		24	8	12	2	25	16	2	4
Cornus sanguinea	Dogwood	5	40-60cm	60cm shrub shelter/stake		24	8	12	2	25	16	2	4
Corylus avellana	Hazel	5	40-60cm	60cm shrub shelter/stake		24	8	12	2	25	16	2	4
Crataegus monogyna	Hawthorn	10	40-60cm	60cm shrub shelter/stake		49	15	24	5	49	31	3	8
Fagus sylvatica	Beech	5	40-60cm	60cm tree spiral/cane		24	8	12	2	25	16	2	4
Fraxinus excelsior	Ash	5	40-60cm	60cm tree spiral/cane		24	8	12	2	25	16	2	4
Ilex aquifolium	Holly	10	2L CG	60cm Netlon guard and stake		49	15	24	5	49	31	3	8
Ligustrum vulgare	Privet	5	40-60cm	60cm shrub shelter/stake		24	8	12	2	25	16	2	4
Prunus avium	Wild Cherry	5	40-60cm	60cm tree spiral/cane		24	8	12	2	25	16	2	4
Quercus ilex	Holm Oak	10	40-60cm	60cm tree spiral/cane		49	15	24	5	49	31	3	8
Salix caprea	Goat Willow	10	40-60cm	60cm shrub shelter/stake		49	15	24	5	49	31	3	8
Pinus sylvestris	Scots Pine	5	40-60cm	60cm Netlon guard and stake		24	8	12	2	25	16	2	4
Sorbus aucuparia	Rowan	5	40-60cm	60cm tree spiral/cane		24	8	12	2	25	16	2	4
Viburnum opulus	Guelder Rose	5	40-60cm	60cm shrub shelter/stake		24	8	12	2	25	16	2	4
		100			Total No. Plants	484	156	240	44	496	316	36	80

Under-Planting Mix					Block	U1	U2	
					Area (m^2)	Whole block c. 2500 m^2 - underplanting based on one third of this, @ 2m centres	Whole block c. 800 m^2 - underplanting based on one sixth of this, @ 2m centres	Totals
Botanical Name	Common Name	% Mix	Size	Protection	Total No. Plants (unrounded)	210	35	245
Acer campestre	Field Maple	10	40-60cm	60cm tree spiral/cane		21	4	**25**
Alder glutinosa	Common Alder	5	40-60cm	60cm tree spiral/cane		11	2	**13**
Carpinus betulus	Hornbeam	5	40-60cm	60cm tree spiral/cane		11	2	**13**
Corylus avellana	Hazel	5	40-60cm	60cm shrub shelter/stake		11	2	**13**
Crataegus monogyna	Hawthorn	15	40-60cm	60cm shrub shelter/stake		32	5	**37**
Fagus sylvatica	Beech	15	40-60cm	60cm tree spiral/cane		32	5	**37**
Ilex aquifolium	Holly	15	2L CG	60cm Netlon guard and stake		32	5	**37**
Ligustrum vulgare	Privet	5	40-60cm	60cm shrub shelter/stake		11	2	**13**
Salix caprea	Goat Willow	5	40-60cm	60cm tree spiral/cane		11	2	**13**
Pinus sylvestris	Scots Pine	5	40-60cm	60cm Netlon guard and stake		11	2	**13**
Quercus ilex	Holm Oak	5	40-60cm	60cm tree spiral/cane		11	2	**13**
Sorbus torminalis	Wild Service Tree	5	40-60cm	60cm tree spiral/cane		11	2	**13**
Viburnum opulus	Guelder Rose	5	40-60cm	60cm shrub shelter/stake		11	2	**13**
		100			Total No. Plants	216	37	253

Additional Bund Planting Mix					Block	B1
					Area (m^2)	Existing planting c. 1500 m^2 - additional planting based on one tenth of this, @ c. 2m centres
Botanical Name	Common Name	% Mix	Size	Protection	Total plants	40
Acer campestre	Field Maple	10	40-60cm	60cm tree spiral/cane		4
Alder glutinosa	Common Alder	10	40-60cm	60cm tree spiral/cane		4
Carpinus betulus	Hornbeam	5	40-60cm	60cm tree spiral/cane		2
Cornus sanguinea	Dogwood	5	40-60cm	60cm shrub shelter/stake		2
Corylus avellana	Hazel	10	40-60cm	60cm shrub shelter/stake		4
Crataegus monogyna	Hawthorn	10	40-60cm	60cm shrub shelter/stake		4
Ilex aquifolium	Holly	10	2L CG	60cm Netlon guard and stake		4
Ligustrum vulgare	Privet	5	40-60cm	60cm shrub shelter/stake		2
Prunus avium	Wild Cherry	5	40-60cm	60cm tree spiral/cane		2
Quercus ilex	Holm Oak	5	40-60cm	60cm tree spiral/cane		2
Sambucus nigra	Common Elder	10	40-60cm	60cm shrub shelter/stake		4
Sorbus aucuparia	Rowan	5	40-60cm	60cm tree spiral/cane		2
Viburnum opulus	Guelder Rose	10	40-60cm	60cm shrub shelter/stake		4
		100			Total plants	**40**

Hedge Gapping Planting Mix					Block	H1	H2	
					Length (m^2)	104	20 (Est.)	Totals
Botanical Name	Common Name	% Mix	Size	Protection	Total No. Plants (unrounded)	420	82	502
Acer campestre	Field Maple	10	40-60cm	60cm tree spiral/cane		42	8	**50**
Corylus avellana	Hazel	5	40-60cm	60cm shrub shelter/stake		21	4	**25**
Crataegus monogyna	Hawthorn	50	40-60cm	60cm shrub shelter/stake		210	41	**251**
Fraxinus excelsior	Ash	1.5	40-60cm	60cm tree spiral/cane		6	1	**7**
Ilex aquifolium	Holly	12	2L CG	60cm Netlon guard and stake		50	10	**60**
Ligustrum vulgare	Privet	5	40-60cm	60cm shrub shelter/stake		21	4	**25**
Prunus spinosa	Blackthorn	15	40-60cm	60cm shrub shelter/stake		63	12	**75**
Quercus robur	Common Oak	1.5	40-60cm	60cm tree spiral/cane		6	1	**7**
		100			Total No. Plants	**419**	**81**	**500**

Key

- EXISTING TREE AND SHRUB PLANTING AREAS
- PROPOSED NEW TREE AND SHRUB PLANTING AREAS
- 8 — NEW PLANTING BLOCKS
- U2 — AREAS OF EXISTING WOODLAND TO BE UNDERPLANTED
- B1 — EXISTING BUND PLANTING TO BE ADDED TO BY FURTHER PLANTING
- H2 — EXISTING HEDGES TO BE GAPPED-UP OR NEW HEDGES TO BE PIANTED
- EXISTING FOOTPATH 4 TO BE RETAINED
- PROPOSED ROUTE OF FOOTPATH 4 DIVERSION

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Client: RFSF RECYCLING

PLANTING AND AFTERCARE SPECIFICATIONS

Planting Operations

All planting and landscape operations to comply with *'Recommendations for General Landscape Operations'* BS:4428 (1989).

Plant Material and Handling - General

All stock will have been transplanted for a minimum period of 12 months prior to uplifting unless otherwise specified. Container grown stock will have vigorous roots extending throughout their containers. All stock will be well-grown and healthy with well-developed root systems and strong leaders. They will comply with the species, size and numbers as indicated in the *'Schedules of Plant Material'*.

Every care will be taken during the transit of the plants (both to and about the site) to ensure that they are well protected from any possible damage and that their root systems are kept moist. On no account will the roots be exposed to wind or sun, prior to the actual planting operation.

Planting - Preparatory Work

New Planting Areas (ID Circles 1 - 9)

If necessary, each new planting area will be cleared of brambles/nettles etc. using standard strim/flail machinery to prepare the land for planting. The ground surface will be assessed for its suitability for planting into and if overly compacted, the land will be loosened to a depth of at least 400mm using suitable machinery such as an excavator bucket or rotorvator.

Woodland Underplanting (ID Circles U1 & U2)

It is anticipated that these areas will generally be fine to plant into as they are, although some dead trees and other unwanted vegetation may need to be removed in order to allow the new planting to take place.

Additional Bund Planting (ID Circle B1)

The existing bund has already been planted recently although it is intended to add to this planting to eventually produce a denser vegetation cover on the bund that will help it to integrate with the surrounding countryside. Material comprising the bund is not ideal for planting into and it is therefore proposed that plants would be pit planted (see below)

Hedge Planting and Gapping Up (ID Circles H1 & H2)

Hedge H1 is anticipated to be a new hedge between the proposed footpath and road edge. The planting route is likely to be fine for planting into although the land surface will be broken up if it appears too compacted for notch planting operations.

Planting Method

The method of planting to be adopted will be as follows:-

Notch Planting of 40 - 60cm Transplants

A single slot notch is to be made with a suitable planting spade, with the spade inserted to the required depth, and rocked back and forth so as to make a sufficient slot for plant insertion. On no account are any roots to be left exposed or bent up within the notch.

Care must be taken to ensure the plant is upright, planted at original nursery depth and left wind-firm upon completion; firming of soil around plants will be undertaken with the ball of the foot, not with a stamping motion (heel of foot) or with any mechanical aid.

Pit Planting of Containerised Stock

Plants will be placed in the centre of the excavated hole and backfilled with excavated material, compost if deemed desirable and a slow release fertiliser tablet. The plant will be planted at the original nursery depth, and left wind-firm on completion.

Plant Spacing and Pattern

New Planting Areas

Individual plants will be planted at random spacings of between 1.5m centres and 2.5m centres which would be consistent with an average of 2.0m centres but which would allow for some variety and avoids the development of a strict planting 'grid'. Plants will be planted in random groups of 1 - 5 of each species and shrub species should be interspersed amongst tree species to provide future understory.

Woodland Underplanting & Additional Bund Planting

Plants will be randomly planted throughout the woodland areas at a spacing of between 1.5m and 2.5m centres as necessary (average 2m centres), depending on the occurence of existing trees and shrubs. The general aim will be to interplant between the existing vegetation to thicken up the visual screen. Plants will be planted in random groups of 1 - 5 of each species.

Hedge Planting and Gapping Up

The new hedgerow (H1) will be planted at approximately 4 plants per metre in two staggered rows along the intended route. There will be 300mm between rows and 500mm between plants in each row. The hedgerow comprises mainly hawthorn so other species will be randomly spaced throughout the hedge in groups of 1 - 3.

Protection from Rabbits

All plants will be protected by individual guards as indicated in the *' Schedules of Plant Material'* and as follows:

All 40 - 60cm transplants (trees) will be protected by 60cm spiral shelters supported by 12-14lb 90cm bamboo canes. All 40 - 60cm transplants (shrubs) will be protected by 60cm shrub shelters supported by 90cm x 32mm x 32mm treated softwood or cleft chestnut stakes.

All containerised plants will be protected by 60cm Netlon guards supported by 90cm x 32mm x 32mm treated softwood or cleft chestnut stakes, well secured in the ground and left upright and wind-firm on completion.

Aftercare Operations (Duration of 5 Years)

Weed Control

All grass and weeds in a minimum 80cm diameter spot around each plant would be controlled by applications of glyphosate herbicide (eg. Roundup) during early/mid spring (and again during summer if necessary) for the first three seasons and then as deemed necessary thereafter. Herbicide to be applied only by qualified personnel in accordance with manufacturers recommendations.

Watering In

In accordance with Forestry Commission recommendations, plants would not normally be watered in as the UK climate usually provides enough water for this purpose. However, this would be reviewed if necessary during unusually dry spells following planting operations.

Replacement of Losses and Shelter Adjusment

Losses would be replaced like for like for the first three seasons after planting, and thereafter only with those species which appear to be thriving on site, to achieve minimum 90% stocking after five years. All natural regeneration of desirable species arising within planting areas would be accepted to boost stocking density. Shelters and stakes which become loose, over-tight or broken would be re-firmed and adjusted annually.

Strimming and Trimming

If deemed necessary, and in addition to herbicide application as above, planting areas would be strimmed in early/mid spring to manage the encroachment of undesirable weeds and to keep the grass areas between the plants tidy. The hedge planting would be trimmed back as necessary to maintain clear passage along the proposed footpath diversion route.

Site	RFSF RECYCLING FACILITY
Project	PROPOSED EXTENSION TO SITE
Drawing	PROPOSED LANDSCAPE PLANTING SCHEME
Date	APRIL 2011
Drawing No.	BL007
Scale	1:2500 @ A2
Ref.	1104_006.001_BL007
Revision	0

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