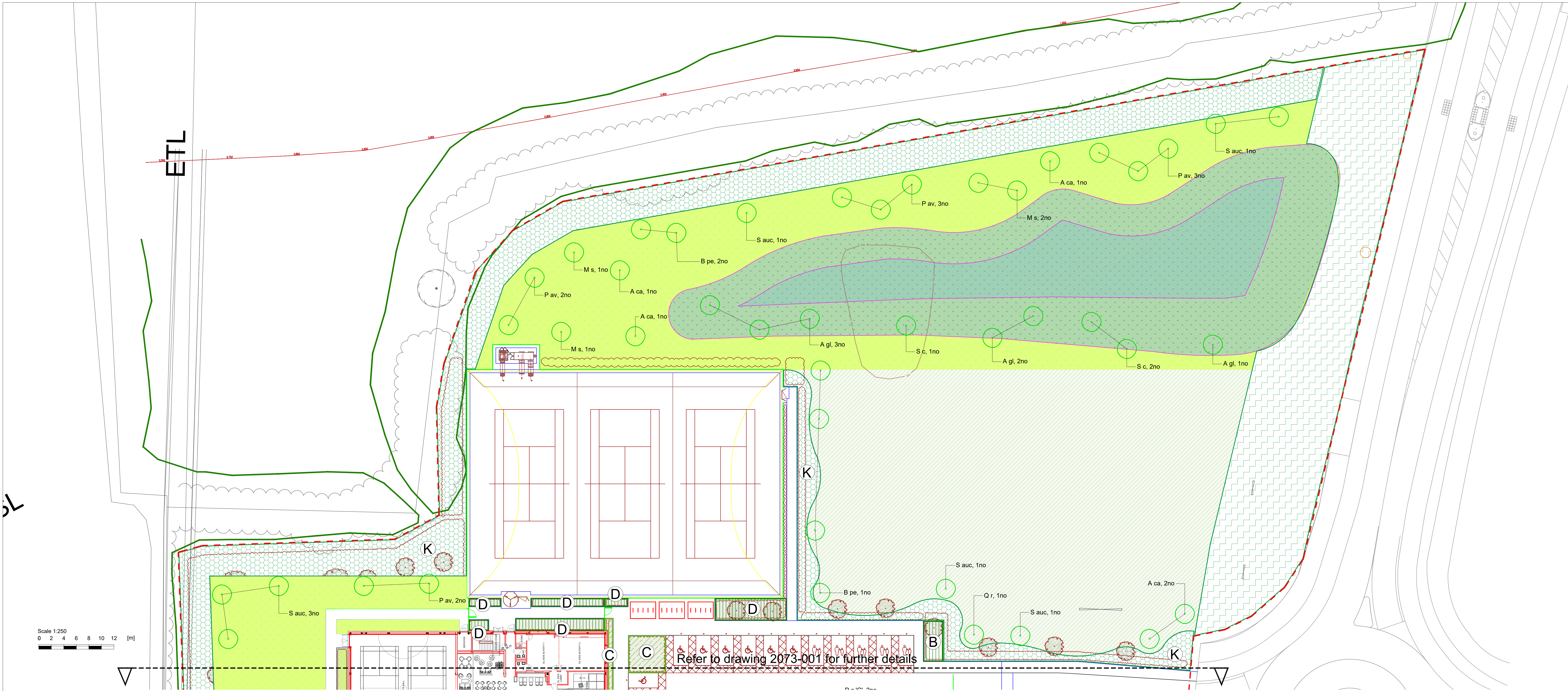




OUTLINE SPECIFICATION:

GENERAL
All works to be in accordance all relevant British Standards and the Landscape Consultant's planting plans and specification (to be issued) and in compliance with the National Landscape Specification (NBS) 1998, latest revision.

SETTING OUT
All dimensions and levels should be checked and adjusted on site. Contractor responsible for care around all services. Do not scale from this drawing.

SITE PREPARATION
Building rubble in excess of 50mm dimension to be removed, compaction ripped 150mm deep or broken out by JCB back-actor leaving surface rough. Ensure free drainage.

TOPSOIL
Multipurpose topsoil BS:3882 medium loam, not more than slightly stoney, pH 5.7-7.5.
Depth 450mm all planting areas. 150mm to all other areas. Provide Declaration of Analysis of topsoil to Employer's Agent.

TOPSOIL - MEADOW
Specific purpose topsoil to BS:3882, low fertility, 150mm depth to be used. Supplier to provide certification of testing.

TREE PIT
Transplants 300mmØ x 300mm depth
Light Standard 900mmØ x 600mm depth
Extra Heavy Standard 1200mmØ x 750mm depth

PREPARATORY HERBICIDE
Weed allowed to grow and treated with up to three applications of weed killer prior to cultivation or planting during the follow period.

GRASSING
Grassing between April-October.
Cultivate to prepare seed bed. Finished seed bed levels 25mm above pavings and kerb edges. Stones pick to 25mm.
Pre-seeding fertiliser 50g/m2. Grass mix chosen for low maintenance requirements.
GRASS SEED MIX from DLF Trifolium Tel: 01386 791102.
MEADOW: Pro flora 8 'Legacy Country Meadow' (General Purpose)
WET MEADOW: Pro Flora 17 'SUDS OneMix'

PLANTS
General
Plant material in accordance with the HTA's National Plant Specification 1997. All plants container grown, well formed and free from disease. Plant handling to CPSE Plant Handling Code.

Quality as supplied by:
Johnsons of Whitley Ltd, York YO26 8AQ. Tel: 01423 330234.
Or other nursery listed in the Horticultural Trades Association Nursery Certification Scheme.

Planting
Plant November to March.
Planting areas cultivated 150 mm deep and stone picked of material greater than 50mm. Plant material pit planted 300 x 300 x 200 minimum. Approved planting compost incorporated into the soil during planting.

Backfill mix	Emmag	P4	Compost
Shrub	35g	5g	10 litres
Transplants	35g	5g	10 litres
Light Standard	50g	25g	50 litres
Extra Heavy Standard	75g	50g	75 litres

Backfill mix (30%) incorporated into topsoil (70%) during planting.

TRANSPLANT / HEDGE STAKING AND SPIRAL GUARDS
60cm x 38mm Biodegradable Spiral Guard. Secured with 100cm Bamboo cane driven at least 30cm into the ground.

TRANSPLANT STAKING AND SHELTERS
75cm Biodegradable Standard Tree shelters. Secured with 100cm x (25mm square) softwood stake driven at least 30cm into the ground.

TREE STAKING
Light Standard-Short Single Staking
Short staked using Unilok painted black 75mm min diameter. Driven vertically 450mm on windward side into base of pit. Secured with rubber J Tom's 37.5mm wide standard nylon reinforced rubberbelt ref L2 ties including rubber spacer pads ref L1. Tie within 25mm of top of stake.

Extra Heavy Standard -Short Double Staking
Preserved softwood 100mm min diameter. Driven vertically 450mm into base of pit on either side. Cross bar - timber, as stake. Secured with rubber J Tom's 37.5mm wide standard nylon reinforced rubberbelt ref L2 ties including rubber spacer pads ref L1.

Light Standard -Underground anchoring
As supplied by www.platipus-anchoring.co.uk Tel: 01737 762300
installation as recommended by manufacturer.
Size: REF1 - HS 7.22mØ 2.4-5.6H

MULCH
Total cover coarse bark mulch to shrub areas, Melcourt Bark Nuggets 75mm deep.

AFTERCARE
24 months aftercare by planting contractor. Including grass and meadow cutting, weed, pest and disease control, pruning and watering. Weed control by residual herbicide or hand weeding as necessary to achieve a weed free condition. Watering in periods of drought to ensure establishment and continued thriving of planting.

DEFECTS LIABILITY
Twenty-four months on plant material and grass. Replacements in November in year of loss.

ONGOING MAINTENANCE
Plants to maintain for five years from completion of planting by hand weeding and spot treatment of weed killer to any weed in planted areas until plants close canopies. Replace failures for 5 years.

IMPLEMENTATION PROGRAMME:

First planting season following construction

LANDSCAPE MANAGEMENT:

Site Owner to implement 5-year management plan to cover the following regular, seasonal and annual maintenance operations:

Trees:
Water monthly April to September in periods of drought
Inspect trees annually in winter
Undertake formative pruning of young trees to encourage good growth and shape - As required
Following strong winds, re-form base and check tree stakes for stability - As required
Check tree ties on new tree planting and replace/focosen/remove as necessary
Apply slow release fertiliser to base of each tree; 50g per new tree - Annual, Mar-Apr

Shrubs:
Remove litter
Water monthly April to September in periods of drought
Maintain plant beds weed free
Remove dead plants
Trim planting to prevent encroachment onto paths
Prune planting clear of all signage and sightlines
Prune hedges once annually
Firm up rocky plants
Eradicate any occurrence of Japanese Knotweed

Meadow Grass
Cut twice annually in spring and autumn
Remove litter

Plant failures
Replace any dead plants in following planting season (Nov - Mar).

Abbrev.	Name	Girth/Dia. cm	Height cm	Root Zone	Specification	Mix %	No./m²	Number
Asa	Acer campestre	6-8	250-300	B	2x LS; clear stem 150-175cm; 3 brks		6	6
AgI	Alnus glutinosa	6-8	250-300	B	2x LS; clear stem 150-175cm; 3 brks		6	6
B pe	Betula pendula	6-8	250-300	B	2x LS; clear stem 150-175cm; 3 brks		6	6
B au	Betula utilis jacquemontii		250-300	RB	3x; Multi-stem; bushy; 2 stems		4	4
F s	Fagus sylvatica	6-8	250-300	RB	2x LS; clear stem 150-175cm; 3 brks		1	1
L st	Liquidambar styraciflua	6-8	250-300	B	2x LS; clear stem 150-175cm; 3 brks		8	8
M sy	Malus sylvestris	6-8	250-300	B	2x LS; clear stem 150-175cm; 3 brks		6	6
P av	Prunus avium	6-8	250-300	B	2x LS; clear stem 150-175cm; 3 brks		12	12
P sp	Prunus 'Spire'	14-16	400-450	RB	3x EHS; clear stem 175-200cm; 5 brks		5	5
P 'CM'	Pyrus calleryana 'Chanticleer'	6-8	250-300	B	2x LS; clear stem 150-175cm; 3 brks		12	12
Q r	Quercus robur	6-8	250-300	RB	2x LS; clear stem 150-175cm; 3 brks		1	1
S c	Salix caprea	6-8	250-300	B	2x LS; clear stem 150-175cm; 3 brks		3	3
S auc	Sorbus aucuparia	6-8	250-300	B	2x LS; clear stem 150-175cm; 3 brks		8	8
S auc 'S'	Sorbus aucuparia 'Sheenwater Seeding'	6-8	250-300	B	2x LS; clear stem 150-175cm; 3 brks		4	4
Sub-totals							82	

Mix A - 217m ²								
Name	Girth/Dia. cm	Height cm	Root Zone	Specification	Mix %	No./m ²	Number	
Calamagrostis x acutiflora 'Karl Foerster'	30-40D		3L	Full pot		10	4	87
Ceanothus thyrsiflorus repens			3L	Bushy; 5 brks		15	3	98
Hebe x franciscana 'Blue Gem'		20-30	3L	Bushy; 5 brks		10	3	65
Hebe 'White Gem'		30-40	3L	Bushy; 5 brks		15	3	98
Lavandula angustifolia 'Hidcote'		20-30	3L	Bushy; 5 brks		15	3	98
Spiraea japonica 'Goldflame'		20-30	2L	Bushy; 5 brks		15	3	98
Viburnum davidii		20-30	3L	Bushy; 3 brks		20	3	130

Mix B - 235m²							
Name	Girth/Dia. cm	Height cm	Root Zone	Specification	Mix %	No./m²	Number
Aucuba japonica 'Crotinfolia'		30-40	3L	Bushy; 3 brks	10	3	29
Ceanothus 'Blue Mound'	20-30D	20-30	2L	Branched; 4 brks	10	3	29
Choisya ternata		40-60	5L	Bushy; 5 brks	15	2	29
Cornus alba 'Sibirica'		40-60	3L	Branched; 3 brks	20	2	38
Cornus stolonifera 'Pavaniames'		80-80	3L	Branched; 4 brks	20	2	38
Photinia x fraseri 'Red Robin'		30-40	3L	Branched; 6 brks	10	3	29
Potentilla fruticosa 'Abbotswood'	20-30D	20-30	3L	Bushy; 4 brks	15	3	43

Mix C - 167m²								
Name		Girth/Dia. cm	Height cm	Root Zone	Specification	Mix %	No./m²	Number
Berberis thunbergii 'Atropurpurea Nana'		25-30	5L		Branches; 5 brks	5	3	25
Calamagrostis x acutiflora 'Karl Foerster'		3L			Full pot	5	4	33
Echinacea purpurea 'Magnus'		2L			Full pot	15	5	125
Euonymus fortunei 'Emerald Gaiety'	30-40D	25-30	5-7.5L		Bushy; 9 brks	10	2	33
Geranium x oxonianum 'Vargrave Pink'		2L			Full pot	10	4	67
Lonicera nidica 'Magnus'	30-40D	5L			Bushy; 8 brks	5	2	17
Potentilla fruticosa 'Abbotswood'	30-40D	5L	5-7.5L		Bushy; 5 brks	10	2	33
Rudbeckia hirta 'Goldstrum'		2L			Full pot	15	4	100
Spiraea japonica 'Firelight'		20-30	2L		Bushy; 5 brks	10	3	50
Stipa tenuifolia			2L		Full pot	5	3	25
Viburnum davidii		30-40	5-7.5L		Bushy; 4 brks	10	2	33

Mix D - 338m²								
Name	Girth/Dia. cm	Height cm	Root Zone	Specification	Mix %	No./m²	Number	
Euonymus fortunei 'Emerald Gaiety'	20-30D	20-30	3L	Bushy; 7 brks		10	3	32
Geranium macrorrhizum 'Album'			2L	Full pot		15	4	65
Hebe 'Mrs Winder'		30-40	3L	Bushy; 5 brks		15	3	49
Lonicera nidica 'Magnus'	30-40D		3L	Bushy; 6 brks		10	3	32
Philadelphus 'Manteau d'Hermine'		30-40	3L	Branches; 4 brks		10	3	32
Potentilla fruticosa 'Abbotswood'	20-30D		3L	Bushy; 4 brks		10	3	32
Spiraea japonica 'Anthony Waterer'		30-40	3L	Branches; 6 brks		10	3	32
Stipa tenuifolia			2L	Full pot		10	3	32
Viburnum davidii		20-30	3L	Bushy; 3 brks		10	3	32

Mix E - 65m²								
Name	Girth/Dia. cm	Height cm	Root Zone	Specification	Mix %	No./m²	Number	
Achillea millefolium 'Summer Pastels'	50-60D		2L	Full pot		5	4	13
Allium 'Purple Sensation'			2L	Full pot		5	1	3
Buxus sempervirens			20-25L	Ball shape; neatly clipped		10	1	7
Geranium x oxianum 'Wargrave Pink'			5L	Full pot		5	3	10
Hebe 'White Gem'		30-40	3L	Bushy; 5 brks		15	3	20
Nepeta 'Six Hills Giant'		2L	Full pot			5	5	16
Panicum virgatum 'Shenandoah'		5-7.5L	Full pot			10	2	13
Persicaria affinis 'Superta'		3L	Full pot			10	5	33
Photinia x fraseri 'Little Red Robin'	30-40	2L	Bushy; 5 brks			10	4	26
Salvia officinalis		3L	Full pot			5	5	16
Stipa tenuifolia		2L	Full pot			5	3	10
Viburnum davidii		5-7.5L	Bushy; 4 brks			15	2	20

Mix F - 57m²							
Name	Girth/Dia. cm	Height cm	Root Zone	Specification	Mix %	No./m²	Number
Calamagrostis x acutiflora 'Karl Foerster'			3L	Full pot	10	4	23
Hebe 'White Gem'	30-40		3L	Bushy; 5 brks	25	3	43
Lavandula angustifolia 'Hidcote'	20-30		3L	Bushy; 5 brks	30	3	51
Rosmarinus officinalis 'Miss Jessopp's Upright'	30-40		3L	Bushy; 4 brks	25	3	43
Verbena bonariensis			2L	Full pot	10	5	29

Mix G - 73m²							
Name	Girth/Dia. cm	Height cm	Root Zone	Specification	Mix %	No./m²	Number
Achillea millefolium 'Summer Pastels'			2L	Full pot		10	4
Allium sphaerocephalon				Grade 5+		5	1
Calamagrostis x acutiflora 'Karl Foerster'			3L	Full pot		5	4
Echinacea purpurea 'Magnus'			2L	Full pot		10	5
Hebe 'White Gem'	30-40		3L	Bushy; 5 brks		10	3
Lycinia coronaria			2L	Full pot		10	5
Nepeta racemosa 'Walker's Low'			3L	Full pot		10	5
Rosmarinus officinalis 'Miss Jessopp's Upright'	30-40		3L	Bushy; 4 brks		5	3
Salvia officinalis			3L	Full pot		10	5
Sarcococca confusa			3L	Bushy; 6 brks		10	3
Skimmia x confusa 'Kew Green'	30-40		5L	Bushy; 4 brks		10	3
Stipa tenuissima			2L	Full pot		5	5

Name	Girth/Dia. cm	Height cm	Root Zone	Specification	No./m²	Length m	Number
Griselinia littoralis	60-80	10L		Bushy; 7 brks	1	95	95
Sub-totals					1	0.5	95

Name	Girth/Dia. cm	Height cm	Root Zone	Specification	Mix %	No./m²	Number
Cornus sanguinea	40-60	B	1+1; Transplant - seed raised; branched; 2 brks		10	3	551
Crataegus monogyna	60-80	B	1+1; Transplant - seed raised		15	1	275
Ilex aquifolium	40-60	2L	Leader with laterals		10	3	551
Ligustrum vulgare	40-60	B	0/1; Cutting; branched; 2 brks		10	3	551
Prunus spinosa	60-80	B	1+1; Transplant - seed raised; branched; 2 brks		15	3	828
Rosa arvensis	60-80	B	1+1; Transplant - seed raised; branched; 2 brks		10	2	387
Rosa canina	60-80	B	1+1; Transplant - seed raised; branched; 3 brks		15	2	551
Viburnum opulus	40-60	B	1+1; Transplant - seed raised; branched; 2 brks		15	2	551

Mix L - 84m²							
Name	Girth/Dia. cm	Height cm	Root Zone	Specification	Mix %	No./m²	Number
Achillea millefolium 'Summer Pastels'			2L	Full pot	10	4	34
Allium 'Purple Sensation'				Full pot	5	1	4
Anemone hephephensis 'September Charm'			5L	Full pot	5	3	13
Anemone x hybrida 'Honoree Jobert'			5L	Full pot	5	3	13
Echinacea purpurea			2L	Full pot	10	5	42
Hebe 'White Gem'	30-40	3L		Bushy; 5 brks	10	3	25
Helenium 'Moerheim Beauty'		2L		Full pot	10	4	34
Lavandula angustifolia	20-30	3L		Bushy; 5 brks	10	3	25
Panicum virgatum 'Shenandoah'		5-7.5L		Full pot	5	2	8
Salvia officinalis		3L		Full pot	5	5	21
Salvia x sylvestris 'Mainacht'		2L		Full pot	5	5	21
Sesleria autumnalis		5-7.5L		Full pot	5	3	13
Stipa tenuissima		5-7.5L		Full pot	5	4	17
Verbena bonariensis		2L		Full pot	10	5	42

Name	Girth/Dia. cm	Height cm	Root Zone	Specification	Mix %	m Ctrs	Number
Alnus glutinosa	80-100	B	1+1; Transplant - seed raised		10	2	104
Betula pendula	80-100	B	1+1; Transplant - seed raised		15	2	158
Cornus avellana	60-80	B	1+2; Transplant - seed raised; branched; 3 brks		10	2	104
Crataegus monogyna	40-60	B	1+1; Transplant - seed raised		15	2	158
Malus sylvestris	60-80	B	1+1; Transplant - seed raised		10	2	104
Prunus avium	80-100	B	1+1; Transplant - seed raised		10	2	104
Quercus robur	80-100	B	1+2; Transplant - seed raised		10	2	104
Salix caprea	60-80	B	0/1; Cutting; branched; 2 brks		10	2	104
Sorbus aucuparia	40-60	B	1+1; Transplant - seed raised		10	2	104

Name	Girth/Dia. cm	Height cm	Root Zone	Specification	Mix %	m Ctrs	Number
Acer campestre	40-60	B	1+1; Transplant - seed raised		6		78
Cornus avellana	60-80	B	1+2; Transplant - seed raised; branched; 3 brks		6		78
Crataegus monogyna	60-80	B	1+1; Transplant - seed raised		70		916
Ilex aquifolium	40-60	2L	Leader with laterals		6		78
Prunus spinosa	60-80	B	1+1; Transplant - seed raised; branched; 2 brks		6		78
Rhamnus frangula	60-80	B	1+1; Transplant - seed raised; leader with laterals; 2 brks		2		26
Rosa canina	60-80	B	1+1; Transplant - seed raised; branched; 3 brks		2		26
Viburnum opulus	40-60	B	1+1; Transplant - seed raised; branched; 2 brks		2		26
Sub-totals					100%	0.5	1306

KEY:

- Existing Vegetation Retained (Modified grassland)
- Proposed Extra Heavy Standard Tree
- Proposed Light Standard Tree
- Bluegreen Urban's 'Rootspace' 9m² roofing volume - Refer to dwg 2078-003 for details
- Proposed Tree Planting
- Ornamental Shrub Plant