KEY:

- Existing Tree Retained
- Proposed Light Standard Tree
- Proposed Heavy Standard Tree
- Grass
- Ornamental Shrubs
- Native Shrubs
- Proposed Hedge
- 1.8m close boarded timber fence
- Rumbled cobble effect flags
- Re-constituted buff paving slabs
- Sprayed Gravel Path
- Wall
- Tarmac Road
- Tarmac Path
- Site Boundary

LANDSCAPE MANAGEMENT:

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

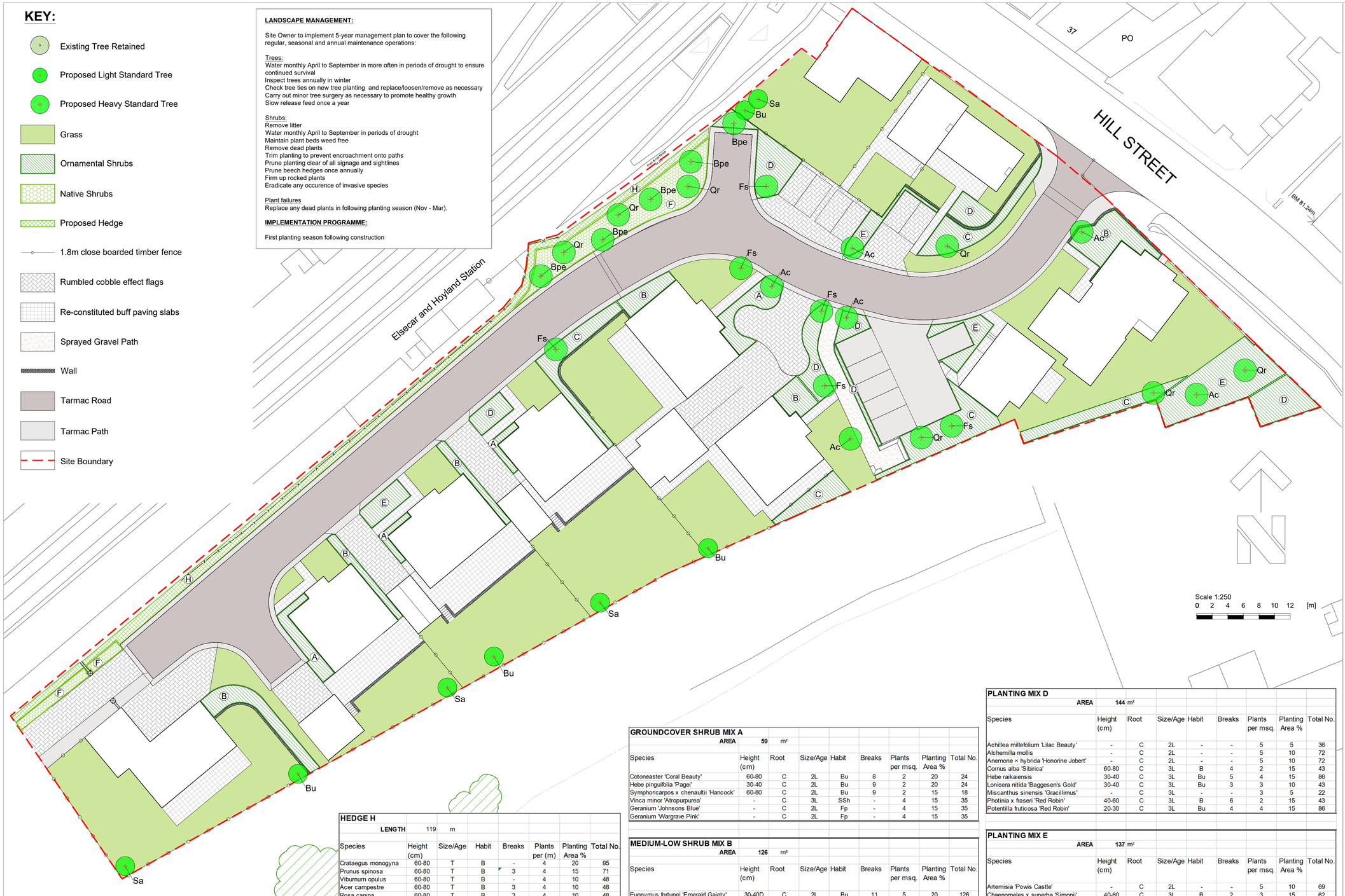
Trees:
Water monthly April to September in more often in periods of drought to ensure continued survival
Inspect trees annually in winter
Check tree ties on new tree planting and replace/loosen/remove as necessary
Carry out minor tree surgery as necessary to promote healthy growth
Slow release feed once a year

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 beech hedges once annually
Firm up rocked plants
Eradicate any occurence of invasive species

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

IMPLEMENTATION PROGRAMME:

First planting season following construction



HEDGE H

LENGTH 119 m

Species	Height (cm)	Size/Age	Habit	Breaks	Plants per (m)	Planting Area %	Total No.
Crataegus monogyna	60-80	T	B	-	4	20	95
Prunus spinosa	60-80	T	B	3	4	15	71
Viburnum opulus	60-80	T	B	-	4	10	48
Acer campestre	60-80	T	B	3	4	10	48
Rosa canina	60-80	T	B	3	4	10	48
Carpinus betulus	60-80	T	B	4	4	10	48
Corylus avellana	60-80	T	B	3	4	10	48
Fagus sylvatica	60-80	T	B	4	4	10	48
Ilex aquifolium	60-80	T	B	-	4	5	24

Double staggered row 500mm apart at 500mm centres
Maintained to 800mm in height

TREE PLANTING

Ref	Species	Form	Girth	Height	Stem	Root	Tot. No.
	LIGHT STANDARD						
Bu	Betula utilis jacquemontii	SLi	6-8	250-300	-	B	4
Sa	Sorbus aucuparia	SLi	6-8	250-300	-	B	4
	HEAVY STANDARD						
Ac	Acer campestre 'Elsrijk'	SHe	12-14	350-425	175-200	BR	6
Fs	Fagus sylvatica 'Purpurea'	SHe	12-14	350-425	175-200	BR	6
Bpe	Betula pendula	SHe	12-14	350-425	175-200	BR	5
Qr	Quercus robur	SHe	12-14	350-425	175-200	BR	7

GROUNDCOVER SHRUB MIX A

AREA 59 m²

Species	Height (cm)	Root	Size/Age	Habit	Breaks	Plants per msq.	Planting Area %	Total No.
Cotoneaster 'Coral Beauty'	60-80	C	2L	Bu	8	2	20	24
Hebe pinguifolia 'Pagei'	30-40	C	2L	Bu	9	2	20	24
Symphoricarpos x chenaultii 'Hancock'	60-80	C	2L	Bu	9	2	15	18
Vinca minor 'Atropurpurea'	-	C	3L	SSh	-	4	15	35
Geranium 'Johnsons Blue'	-	C	2L	Fp	-	4	15	35
Geranium 'Wargrave Pink'	-	C	2L	Fp	-	4	15	35

MEDIUM-LOW SHRUB MIX B

AREA 126 m²

Species	Height (cm)	Root	Size/Age	Habit	Breaks	Plants per msq.	Planting Area %	Total No.
Euonymus fortunei 'Emerald Gaiety'	30-40D	C	2L	Bu	11	5	20	126
Geranium 'Wargrave Pink'	-	C	2L	FP	-	12	20	302
Symphoricarpos x chenaultii 'Hancock'	60-80	C	2L	Bu	9	3	25	95
Echinacea purpurea 'Magnus'	-	C	2L	-	-	4	15	76
Rudbeckia fulgida ' Goldsturm'	-	C	2L	-	-	4	20	101

PLANTING MIX C

AREA 175 m²

Species	Height (cm)	Root	Size/Age	Habit	Breaks	Plants per msq.	Planting Area %	Total No.
Anemone × hybrida 'September Charm'	-	C	2L	-	-	5	10	88
Berberis thunbergii Atropurpurea'	40-60	C	3L	Bu	5	4	15	105
Echinacea purpurea 'Magnus'	-	C	2L	-	-	5	10	88
Euonymus fortunei 'Emerald Gaiety''	20-30	C	3L	Bu	7	5	15	131
Hylotelephium 'Matrona'	-	C	2L	-	-	5	5	44
Potentilla fruticosa 'Abbotswood'	20-30	C	3L	Bu	4	4	15	105
Spiraea nipponica 'Snowmound'	40-60	C	3L	B	5	3	15	79
Stipa tenuissima	-	C	2L	-	-	7	5	61
Viburnum x bodnantense 'Dawn'	40-60	C	3L	B	2	2	10	35

PLANTING MIX D

AREA 144 m²

Species	Height (cm)	Root	Size/Age	Habit	Breaks	Plants per msq.	Planting Area %	Total No.
Achillea millefolium 'Lilac Beauty'	-	C	2L	-	-	5	5	36
Alchemilla mollis	-	C	2L	-	-	5	10	72
Anemone × hybrida 'Honorine Jobert'	-	C	2L	-	-	5	10	72
Cornus alba 'Sibirica'	60-80	C	3L	B	4	2	15	43
Hebe raikaiensis	30-40	C	3L	Bu	5	4	15	86
Lonicera nitida 'Baggesen's Gold'	30-40	C	3L	Bu	3	3	10	43
Miscanthus sinensis 'Gracillimus'	-	C	3L	-	-	3	5	22
Photinia x fraseri 'Red Robin'	40-60	C	3L	B	6	2	15	43
Potentilla fruticosa 'Red Robin'	20-30	C	3L	Bu	4	4	15	86

PLANTING MIX E

AREA 137 m²

Species	Height (cm)	Root	Size/Age	Habit	Breaks	Plants per msq.	Planting Area %	Total No.
Artemisia 'Powis Castle'	-	C	2L	-	-	5	10	69
Chaenomeles x superba 'Simonii'	40-60	C	3L	B	2	3	15	62
Hakonechloa macra	-	C	2L	-	-	5	5	34
Hebe raikaiensis	30-40	C	3L	Bu	5	4	15	82
Hylotelephium 'Herbstfreude'	-	C	2L	-	-	5	5	34
Lavandula angustifolia 'Hidcote'	20-30	C	2L	Bu	5	4	10	55
Lonicera nitida 'Silver Beauty'	20-30	C	3L	Bu	3	4	15	82
Potentilla fruticosa 'Red Robin'	20-30	C	3L	Bu	4	4	15	82
Prunus laurocerasus 'Otto Luyken'	30-40	C	3L	Bu	3	3	10	41

NATIVE SHRUB MIX F

AREA 109 m²

Species	Height (cm)	Root	Size/Age	Habit	Breaks	Plants per msq.	Planting Area %	Total No.
Cornus sanguinea	40-60	C	2L	B	4	3	15	49
Crataegus monogyna	125-150	C	2L	F	-	3	30	98
Euonymus europaeus	40-60	C	3L	B	4	3	10	33
Ilex aquifolium	60-80	C	3L	L/L	-	3	20	65
Prunus spinosa	40-60	B	3L	B	5	3	15	49
Viburnum opulus	30-40	C	3L	B	4	3	10	33

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.

TREE PIT
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 fallow 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: LAWN 'Pro 50 Quality lawn (with Ryegrass)'

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 Whixley 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	Enmag	P4	Compost
Shrubs	35g	5g	10 litres
Light Standard 900mmØ x 600mm depth			
Heavy Standard 1200mmØ x 750mm depth			

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

TREE STAKING
Light Standard -Short Single Staking
Short staked using Unilog 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.

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.

Extra Heavy Standard - Short triple staking (when planted in grass)
Preserved softwood 75mm min diameter.
Driven vertically 450mm on three sides.
Tie within 25mm of top of stakes with flexible J Tom's 37.5mm wide standard nylon reinforced rubberbelt ref L2.

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

AFTERCARE
24 months aftercare by planting contractor. Including grass cutting, weed, pest and disease control, pruning and watering.

Weed control by residual herbicide to a weed free condition around plants. Spot treat with glyphosate and hand weed as nesessary.

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
Continue 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.

Based on Site Plan dated 01/11/19 received 01/11/19 from JVN Architecture

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Title: LANDSCAPE MASTERPLAN

scale@A1	drawn	date	job number	number	revision
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