



SPECIFICATION NOTES

1. General
- This plan is to be read in conjunction with the following documents:
- PGLA Planting Plan Drawings PP01 SERIES
 - Arboricultural and Ecology Reports and the Drainage Strategy
 - And any other supporting information

2. General Landscaping
- Existing levels to be preserved around retained existing trees and vegetation. Existing trees and vegetation to be retained are to be protected in accordance with BS5837:2012 during construction. Proposed planting under existing trees subject to sufficient space in root areas.

3. Preparation of Planting Beds
- Rubbish, concrete, metal, glass, decayed vegetation are to be removed and disposed of off site.
 - Stones with the largest dimension exceeding 40mm are to be removed from planting beds and disposed of off site.
 - Substances injurious to plant growth including subsoil, rubble, fuel and lubricants should be removed and disposed of off site.
 - Remove any existing weed growth.
 - Areas of large root are to be grubbed up without undue disturbance of surrounding soil and adjacent areas.
 - All site preparation, planting and maintenance to comply with BS 4429

4. Topsoil
- Imported topsoil to be a good quality loam to BS 3882:2015. All topsoil areas shall be thoroughly cultivated by hand or suitable machinery to the full depth of the topsoil layer, incorporating ameliorant's as specified and/or as indicated by analysis and/or as directed by the Landscape Architect. Hand cultivation's shall be carried out to achieve the required finish on areas where machine cultivation is impossible i.e adjacent to kerbs, manholes and footpath junctions etc. Surplus plant matter, rubbish and surface stones having any dimension greater than 25 mm shall be collected and removed from the site. Existing topsoil to be stripped and re-used if suitable as per specification. All work to be carried out in line with BS 3882:2015 and DEFRA Construction Code of Practice for the Sustainable Use of Soils on Construction Sites (2009).

5. Plants
- General plant stock to conform to BS 3936, advanced nursery stock and planting to BS 4428. Plants shall be first class examples of their species or variety, free from all pests and diseases, with good fibrous root systems and materially undamaged (refer to relevant sections of BS3936 rts 1-4 'Specification of Nursery Stock'). All planting operations to be in general compliance with BS4428: 1989 'Code of Practice for general landscape operations (excluding hard surfaces)'. Carry out all planting while soil and weather conditions are suitable. Do not plant during periods of frost or strong winds. Plant only during the following periods:
- Container grown and root ball plants: At any time if ground and weather conditions are favourable. Ensure that adequate watering and weed control is provided
 - Bare Root stock to be planted November to March.

All plants to be planted in cultivated planting beds at densities shown in plant schedule, in pits of min. size 0.3m x 0.3m x 0.3m deep so as to accommodate full root spread, backfilled with 80% clean topsoil and 20% compost and 20g granular fertilizer. All shrub beds to be in min. 450mm good quality, well prepared topsoil.

See Plant Schedule for species palette. Bed composition, arrangement and setting-out to be approved by Landscape Architect before work commences. Topsoil depth to be 450mm for shrub planting and 150mm for grass.

Native Hedgerow - Stock to be planted in double rows, 5 per linear metre. Trees to be protected with a 600mm spiral rabbit guard and staked. To be kept free of weeds during establishment using secured mulch matting. Bare root plants to be notch planted to depth of root collar in accordance with BS4428.

6. Trees
- Trees shown on plan to be planted with species as labelled or similar approved. Do not substitute species, variety and form or reduce the specified number/density of plants without prior agreement. Note sizes shown are minimum. All trees to be planted in pits 2m x 2m x 1m deep, backfilled with 80% clean topsoil with 15% peat free tree and shrub planting compost and 5% Tree Growth Enhancer 'GroChar', including 100g granular fertilizer. Base of pit to be filled with a Terram Geotextile layer on 150mm drainage layer consisting of 20mm nominal size free draining pea gravel . Water-in heavily after planting and surface bark chippings 75mm depth. All trees to be triple staked with timber cross bar and soft ties. Any necessary tree works are to be carried out by an approved tree surgeon to BS 3998. All trees to be protected with 600mm spiral rabbit guard.

Trees planted in grass lawn to be set in bare earth squares 1m diameter around tree trunk with bark mulch to 75mm depth after planting. All work to be carried out in line with BS 3882:2015 and DEFRA Construction Code of Practice for the Sustainable Use of Soils on Construction Sites (2009).

7. Mulch
- General purpose mulch prepared in accordance with PAS 100. All planting areas and tree pits to be mulched with 75mm (settled depth) bark mulch. Sample of mulch to be approved by Landscape Architect.

8. Grass
- Turfing and seeding shall be carried out during appropriate seasons and while soil and weather conditions are suitable for the relevant operations. Hand tools shall be used around trees, plants and in confined spaces where it is impractical to use machinery. The soil shall be weeded free prior to turfing. Turf shall be laid on prepared, levelled soil (minimum 150mm depth) in the areas indicated on the drawings and laid in accordance with BS 3969:1998+A1:2013.

9. Replacement of trees and vegetation
- The contractor shall replace all plants/trees that have failed to thrive (show growth or display foliage) during the growing season after planting (including plants damaged during maintenance operations). Replacements to match original specification or similar size/species approved by the Landscape Architect. In particular, if any of the boundary vegetation, including those marked for retention, are to be replaced with similar size and species if they die within 5 years.

PLANTING SCHEDULE						
POS TREES						
Qty	Code	Name	Girth	Height cm	Specification	
16	Ac	Acer campestre	14-16	400-450	R8 3x; Heavy Standard; clear stem minimum 200cm; 5 breaks	
3	Ae	Aesculus hippocastanum	14-16	400-450	R8 3x; Extra heavy standard; clear stem minimum 200cm; 5 breaks	
81	Bp	Betula pendula	14-16	400-450	R8 3x; Heavy Standard; clear stem minimum 200cm; 5 breaks	
47	Cb	Carpinus betulus	14-16	400-450	R8 3x; Heavy Standard; clear stem minimum 200cm; 5 breaks	
5	Fs	Fagus sylvatica	14-16	400-450	R8 3x; Heavy Standard; clear stem minimum 200cm; 5 breaks	
26	Pi	Pinus sylvestris	NA	300-350	Leader with laterals; feathered to the base	
56	Pa	Prunus avium	14-16	400-450	R8 3x; Heavy Standard; clear stem minimum 200cm; 5 breaks	
16	Pp	Prunus padus	14-16	400-450	R8 3x; Heavy Standard; clear stem minimum 200cm; 5 breaks	
54	Qr	Quercus robur	14-16	400-450	R8 3x; Heavy Standard; clear stem minimum 200cm; 5 breaks	
19	Sa	Sorbus aucuparia	14-16	400-450	R8 3x; Extra heavy standard; clear stem minimum 200cm; 5 breaks	
18	Tc	Tilia cordata 'Greenspire'	14-16	400-450	R8 3x; Heavy Standard; clear stem minimum 200cm; 5 breaks	

PLOT TREES (Within Highway strip - Under private management) Barratt Traditional Character Area					
Qty	Code	Name	Girth	Height cm	Specification
31	Bf	Betula albosinensis 'Fascination'	14-16	400-450	RB 3x; Heavy Standard; clear stem minimum 200cm; 5 breaks
38	Pg	Prunus 'Snow Goose'	14-16	400-450	RB 3x; Heavy Standard; clear stem minimum 200cm; 5 breaks
15	Pr	Pyrus chanticleer 'Redspire'	14-16	400-450	RB 3x; Heavy Standard; clear stem minimum 200cm; 5 breaks
22	Sal	Sorbus aria 'Lutescens'	14-16	400-450	RB 3x; Heavy Standard; clear stem minimum 200cm; 5 breaks
106	Total trees				

PLOT TREES (Within Highway strip - Under private management) DWH Character Area					
Qty	Code	Name	Girth	Height cm	Specification
28	As	Acer campestre 'Pacific Sunset'	14-16	400-450	RB 3x; Heavy Standard; clear stem minimum 200cm; 5 breaks
37	Cf	Carpinus betulus 'Frans Fontaine'	14-16	400-450	RB 3x; Heavy Standard; clear stem minimum 200cm; 5 breaks
23	Ps	Prunus 'Spire'	14-16	400-450	RB 3x; Heavy Standard; clear stem minimum 200cm; 5 breaks
88	Total trees				

PLOT TREES (Within Highway strip - Under private management) Contemporary Character Area						
Qty	Code	Name	Girth	Height cm	Specification	
30	Ap	Acer platanoides 'Emerald Green'	14-16	400-450	RB 3x; Extra heavy standard; clear stem minimum 200cm; 5 breaks	
12	Ab	Amelanchier 'Ballarina'	14-16	400-450	RB 3x; Heavy Standard; clear stem minimum 200cm; 5 breaks	
14	Bu	Betula utilis jacquemontii	14-16	400-450	RB 3x; Semi-mature; clear stem minimum 200cm	
33	Ls	Liquidambar styraciflua 'Lane Roberts'	14-16	400-450	RB 3x; Semi-mature; clear stem minimum 200cm	
4	Mb	Malus baccata 'Street Parade'	14-16	400-450	RB 3x; Heavy Standard; clear stem minimum 200cm; 5 breaks	
93	Total trees					

HEDGES						
Length (Lin M)	No. Of Plants	Code/Species	Size in cm	Root / Pot size	Final Height	Density / Spacing
464	1856	H1 / Mixed Native Hedge - See MNH Section below	80-100	7.5L Pot	1.2m	4no. Linear m
653	1959	H2 / Mixed Native Hedge - See MNH Section below	100-120	7.5L Pot	1.2m	3no. Linear m
512	2048	H3 / Mixed Native Hedge - See MNH Section below	80-100	7.5L Pot	1.2m	4no. Linear m

SHRUBS - Barratt Traditional Character Area 880m2 Total						
Shrub bed composition to be laid out and agreed with Landscape Architect prior to planting						
Qty	Abbrev.	Name	Rate / m2	Height	Container Size	Specification
528		Abelia grandiflora	4	40-60	7.5L	Bushy; 3 breaks
352		Choisya ternata	4	40-60	7.5L	Bushy; 4 breaks
352		Hebe rakaiensis	4	40-60	7.5L	Bushy; 5 breaks
352		Lavandula angustifolia 'Hidcote'	4	40-60	7.5L	Bushy; 5 breaks
440		Pachysandra Terminalis	5	30-40	5L	Bushy; 5 breaks
660		Sarcococca confusa	5	30-40	5L	Bushy; 6 breaks
352		Skimmia x japonica 'Rubella'	4	40-60	7.5L	Bushy; 3 breaks
704		Viburnum davidii	4	40-60	7.5L	Bushy; 3 brks

SHRUBS - DWH Character Area 887 m2 Total						
Shrub bed composition to be laid out and agreed with Landscape Architect prior to planting						
Qty	Abbrev.	Name	Rate / m2	Height	Container Size	Specification
355	CHO TER	Choisya ternata	4	40-60	7.5L	Bushy; 4 breaks
355	HEB ORM	Hebe 'Great Orme'	4	40-60	7.5L	Bushy; 5 breaks
355	HEB RAK	Hebe rakaiensis	4	40-60	7.5L	Bushy; 5 breaks
355	PHI MAN	Philadelphus 'Manteau d'hermine'	4	40-60	7.5L	Branched; 4 breaks
532	PHO ROB	Photinia Red Robin	4	40-60	7.5L	bushy; 5 breaks
444	SAR CON	Sarcococca confusa	5	30-40	5L	Bushy; 6 breaks
665	SKI KEW	Skimmia x confusa 'Kew Green'	4	40-60	7.5L	Bushy; 3 breaks
710	VIB DAV	Viburnum davidii	4	40-60	7.5L	Bushy; 3 brks

SHRUBS - Barratt Contemporary Character Area 863m2 Total						
Shrub bed composition to be laid out and agreed with Landscape Architect prior to planting						
Qty	Abbrev.	Name	Rate / m2	Height	Container Size	Specification
173		Buxus sempervirens	4	40-60	7.5L	Bushy; 6 breaks
345		Choisya Artec Pearl	4	40-60	7.5L	Bushy; 5 breaks
345		Deschampsia cespitosa goldtau	7	30-40	5L	Bushy; 6 breaks
216		Hebebeopsis x hybridus 'White Lady'	5	30-40	5L	Bushy; 6 breaks
216		Hebe pingulifolia 'sutherlandii'	5	30-40	5L	Bushy; 6 breaks
518		Hydrangea arborescens 'Annabelle'	4	40-60	7.5L	Branched; 3 breaks
216		Pachysandra Terminalis	5	30-40	5L	Bushy; 6 breaks
129		Phormium 'Sundowner'	1	60-80	10L	Triple crown - Place as single in bed away from paths
345		Pittosporum tenuifolium 'Tom thumb'	4	40-60	7.5L	Bushy; 5 breaks
345		Skimmia x confusa 'Kew Green'	4	40-60	7.5L	Bushy; 3 breaks
345		Spiraea japonica 'Little princess'	4	40-60	7.5L	Bushy; 6 breaks

Wildflower and Grassland Meadow Planting Outside of Plots			Sowing Rate (g/m ²)	
Code	Area (m2)	Seed Mix Specification		
WFM1	39.971	Emorsgate EM3 Special General Purpose Meadow Mixture	Suppliers recommendations - 2g/m2	
GM1	4.094	General Amenity Grass	Suppliers recommendations -	

MNH - Mixed Native Hedge						
Total Length On Site 3,164 Lin m (Inclusive of Plot Hedges)						
No. of Plants	% Mix	Species	Size in cm	Root Cond.	Density	Specification
15820	MNH	Mixed Native Hedge				
2373	15	Crataegus monogyna	60-90	B	5/m	Transplant (seed-raised), 1+1
2373	15	Corylus avellana	60-90	B	5/m	Transplant (seed-raised), 1+1
2373	15	Ilex aquifolium	40-60	2L	5/m	Leader with laterals
791	5	Lonicera periclymenum	60-90	2L	5/m	Cared; several breaks
1582	10	Malus sylvestris	60-90	B	5/m	Transplant (seed-raised), 1+1
1582	10	Prunus spinosa	60-90	B	5/m	Transplant (seed-raised), 1+1
791	5	Rosa arvensis	60-90	B	5/m	Transplant (seed-raised), 1+1
791	5	Rosa canina	60-90	B	5/m	Transplant (seed-raised), 1+1
1582	10	Sambucus nigra	60-90	B	5/m	Transplant (seed-raised), 1+1
1582	10	Viburnum opulus	60-90	B	5/m	Transplant (seed-raised), 1+1

Pond Marginal and Reed Planting			Sowing Rate (g/m ²)	
Code	Area (m2)	Seed Mix Specification		
Wet	3261	Emorsgate EM8 Meadow mixture for ponds	Suppliers recommendations - 4g/m2	
Dry	4895	Emorsgate EP1 Pond edge mixture	Suppliers recommendations - 4g/m2	
R1	545	Phragmites australis - Plug Plants	Suppliers recommendations - 4 plug plants per m2	

NWP - Native Woodland Planting (random mix 1 per m ²)						
Total Area On Site (m ²)						
4863						
Qty	% Mix	Name	Size cm	Root Cond.	Density / Spacing	Specification
486	10	Betula pendula	60-90	B	1/m2	Transplant (seed-raised), 1+1
486	10	Corylus avellana	60-90	B	1/m2	Transplant (seed-raised), 1+1
729	15	Crataegus monogyna	60-90	B	1/m2	Transplant (seed-raised), 1+1
243	5	Ilex aquifolium	40-60	2L pot	1/m2	Leader with laterals
486	10	Sorbus aucuparia	60-90	B	1/m2	Transplant (seed-raised), 1+1
486	10	Prunus avium	60-90	B	1/m2	Transplant (seed-raised), 1+1
243	5	Prunus spinosa	60-90	B	1/m2	Transplant (seed-raised), 1+1
729	15	Quercus robur	60-90	B	1/m2	Transplant (seed-raised), 1+1
243	5	Rosa canina	60-90	B	1/m2	Transplant (seed-raised), 1+1
729	15	Viburnum opulus	60-90	B	1/m2	Transplant (seed-raised), 1+1

P9	18.06.26	All Hedges to be native - update schedule	PGG	
P8	07.01.25	Update Plots and amend Planting and Schedule	PGG	
P7	09.12.24	Update AIA and amend Planting and Schedule	PGG	
P6	28.10.24	Update Fishery Track	PGG	
P5	07.08.24	Update client details	PGG	
P4	16.07.24	Updated to optimise BNG	PGG	
P3	11.06.24	Updated to Revised Planning Layout	PGG	
P2	20.10.22	Updated to Ecology + Barratt comments	KLJ	
P1	19.09.22	Initial Issue	KG	
Rev	Date	Description	Initials	

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Project

COWM TOP LANE, CASTLETON

Description

PLANTING PLANS, SCHEDULE & SPECIFICATION NOTES

Status

FOR PLANNING

Scale	Drawn	Checked	Date
NTS	KLJ	PGG	SEPT 2022
Job number	Drawing number	Revision	
TRO1902	PP01.00	P9	