



SPECIFICATION NOTES

1. General

This plan 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   | RB 3x; Heavy Standard; clear stem minimum 200cm; 5 breaks       |
| 3                 | Ae          | Aesculus hippocastanum     | 14-16 | 400-450   | RB 3x; Extra heavy standard; clear stem minimum 200cm; 5 breaks |
| 81                | Bp          | Betula pendula             | 14-16 | 400-450   | RB 3x; Heavy Standard; clear stem minimum 200cm; 5 breaks       |
| 47                | Cb          | Carpinus betulus           | 14-16 | 400-450   | RB 3x; Heavy Standard; clear stem minimum 200cm; 5 breaks       |
| 5                 | Fs          | Fagus sylvatica            | 14-16 | 400-450   | RB 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   | RB 3x; Heavy Standard; clear stem minimum 200cm; 5 breaks       |
| 16                | Pp          | Prunus padus               | 14-16 | 400-450   | RB 3x; Heavy Standard; clear stem minimum 200cm; 5 breaks       |
| 54                | Qr          | Quercus robur              | 14-16 | 400-450   | RB 3x; Heavy Standard; clear stem minimum 200cm; 5 breaks       |
| 19                | Sa          | Sorbus aucuparia           | 14-16 | 400-450   | RB 3x; Extra heavy standard; clear stem minimum 200cm; 5 breaks |
| 18                | Tc          | Tilia cordata 'Greenspire' | 14-16 | 400-450   | RB 3x; Heavy Standard; clear stem minimum 200cm; 5 breaks       |
| 341               | Total trees |                            |       |           |                                                                 |

| 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 'Ballerina'                | 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 / Fagus sylvatica    | 80-100     | 7.5L Pot        | 1.2m         | 4no. Linear m     |
| 653            | 1959          | H2 / Prunus lusitanica  | 100-120    | 7.5L Pot        | 1.2m         | 3no. Linear m     |
| 512            | 2048          | H3 / Eileagnus ebbingei | 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 | Phytolaea 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 Aztec Pearl                 | 4         | 40-60  | 7.5L           | Bushy; 5 breaks                                       |
| 345                                                                                        |         | Desfontainia cespitosa goldtau      | 7         | 30-40  | 5L             | Bushy; 6 breaks                                       |
| 216                                                                                        |         | Hebebronx x hybridus 'White Lady'   | 5         | 30-40  | 5L             | Bushy; 6 breaks                                       |
| 216                                                                                        |         | Hebe pinguifolia '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 |           |                                                      |                                   |
|-----------------------------------------------------------|-----------|------------------------------------------------------|-----------------------------------|
| Code                                                      | Area (m2) | Seed Mix Specification                               | Sowing Rate (g/m <sup>2</sup> )   |
| WFM1                                                      | 39,371    | 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 1535 Lin m |       |                       |            |            |         |                               |
| No. of Plants                   | % Mix | Species               | Size in cm | Root Cond. | Density | Specification                 |
| 7675                            | MNH   | Mixed Native Hedge    |            |            |         |                               |
| 1151                            | 15    | Crataegus monogyna    | 60-90      | 8          | 5/m     | Transplant (seed-raised), 1+1 |
| 1151                            | 15    | Corylus avellana      | 60-90      | 8          | 5/m     | Transplant (seed-raised), 1+1 |
| 1151                            | 15    | Ilex aquifolium       | 40-60      | 2L         | 5/m     | Leader with laterals          |
| 384                             | 5     | Lonicera periclymenum | 60-80      | 2L         | 5/m     | Caned; several breaks         |
| 768                             | 10    | Malus sylvestris      | 60-90      | 8          | 5/m     | Transplant (seed-raised), 1+1 |
| 768                             | 10    | Prunus spinosa        | 60-90      | 8          | 5/m     | Transplant (seed-raised), 1+1 |
| 384                             | 5     | Rosa arvensis         | 60-90      | 8          | 5/m     | Transplant (seed-raised), 1+1 |
| 384                             | 5     | Rosa canina           | 60-90      | 8          | 5/m     | Transplant (seed-raised), 1+1 |
| 768                             | 10    | Sambucus nigra        | 60-90      | 8          | 5/m     | Transplant (seed-raised), 1+1 |
| 768                             | 10    | Viburnum opulus       | 60-90      | 8          | 5/m     | Transplant (seed-raised), 1+1 |

| Pond Marginal and Reed Planting |           |                                        |                                                  |
|---------------------------------|-----------|----------------------------------------|--------------------------------------------------|
| Code                            | Area (m2) | Seed Mix Specification                 | Sowing Rate (g/m <sup>2</sup> )                  |
| 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 <sup>2</sup> ) |       |                    |         |            |                   |
|-------------------------------------------------------------------|-------|--------------------|---------|------------|-------------------|
| Total Area On Site (m <sup>2</sup> )                              |       |                    |         |            |                   |
| 4863                                                              |       |                    |         |            |                   |
| Qty                                                               | % Mix | Name               | Size cm | Root Cond. | Density / Spacing |
| 486                                                               | 10    | Betula pendula     | 60-90   | 8          | 1/m2              |
| 486                                                               | 10    | Corylus avellana   | 60-90   | 8          | 1/m <sup>2</sup>  |
| 729                                                               | 15    | Crataegus monogyna | 60-90   | 8          | 1/m <sup>2</sup>  |
| 243                                                               | 5     | Ilex aquifolium    | 40-60   | 2L pot     | 1/m2              |
| 486                                                               | 10    | Sorbus aucuparia   | 60-90   | 8          | 1/m2              |
| 486                                                               | 10    | Prunus avium       | 60-90   | 8          | 1/m2              |
| 243                                                               | 5     | Prunus spinosa     | 60-90   | 8          | 1/m <sup>2</sup>  |
| 729                                                               | 15    | Quercus robur      | 60-90   | 8          | 1/m2              |
| 243                                                               | 5     | Rosa canina        | 60-90   | 8          | 1/m2              |
| 729                                                               | 15    | Viburnum opulus    | 60-90   | 8          | 1/m2              |

| Rev | Date     | Description                                  | Initials |
|-----|----------|----------------------------------------------|----------|
| 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       |

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Client

BARRATT HOMES, DWH & GLP TROWS LLP

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        | P8       |           |