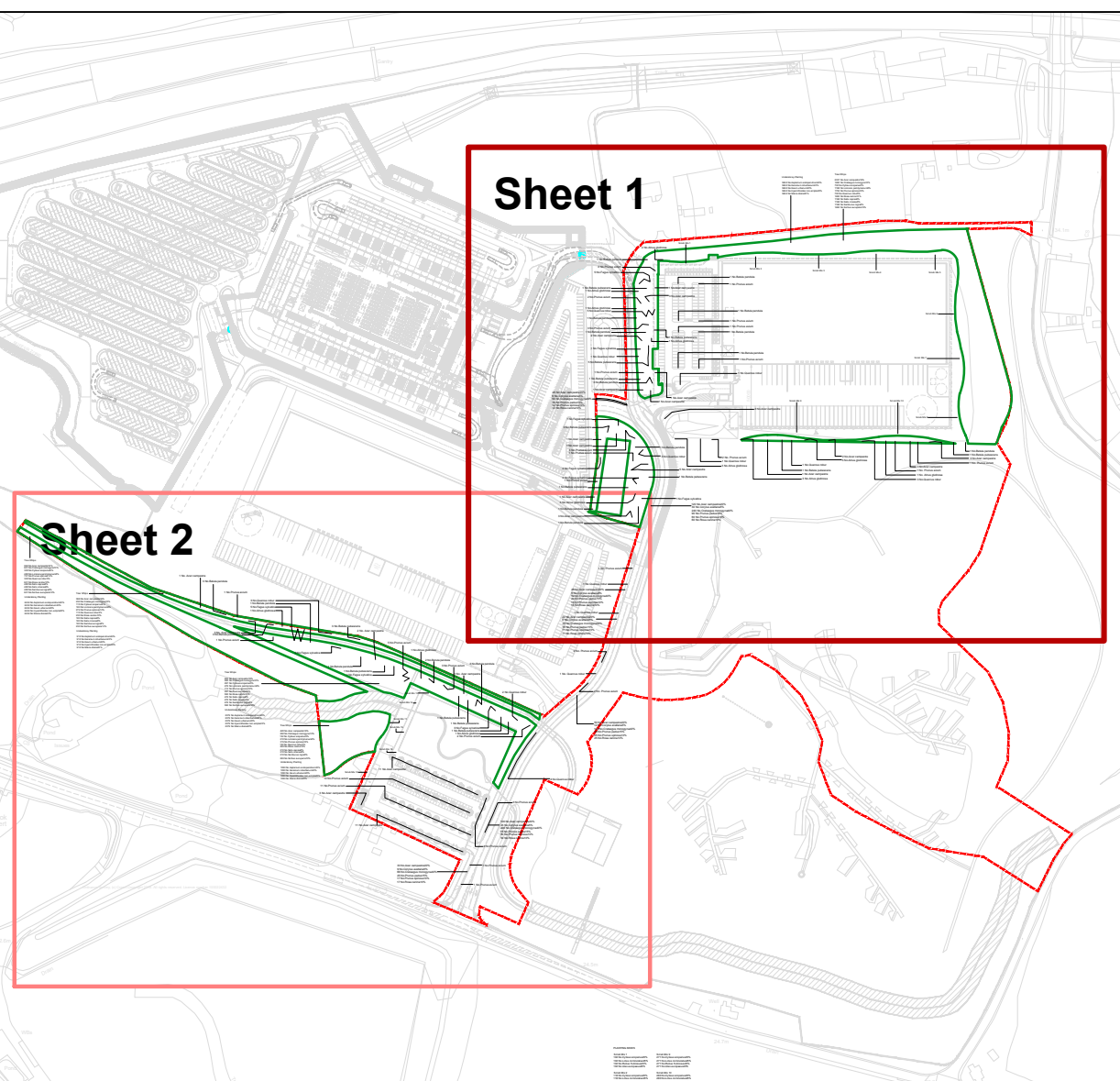
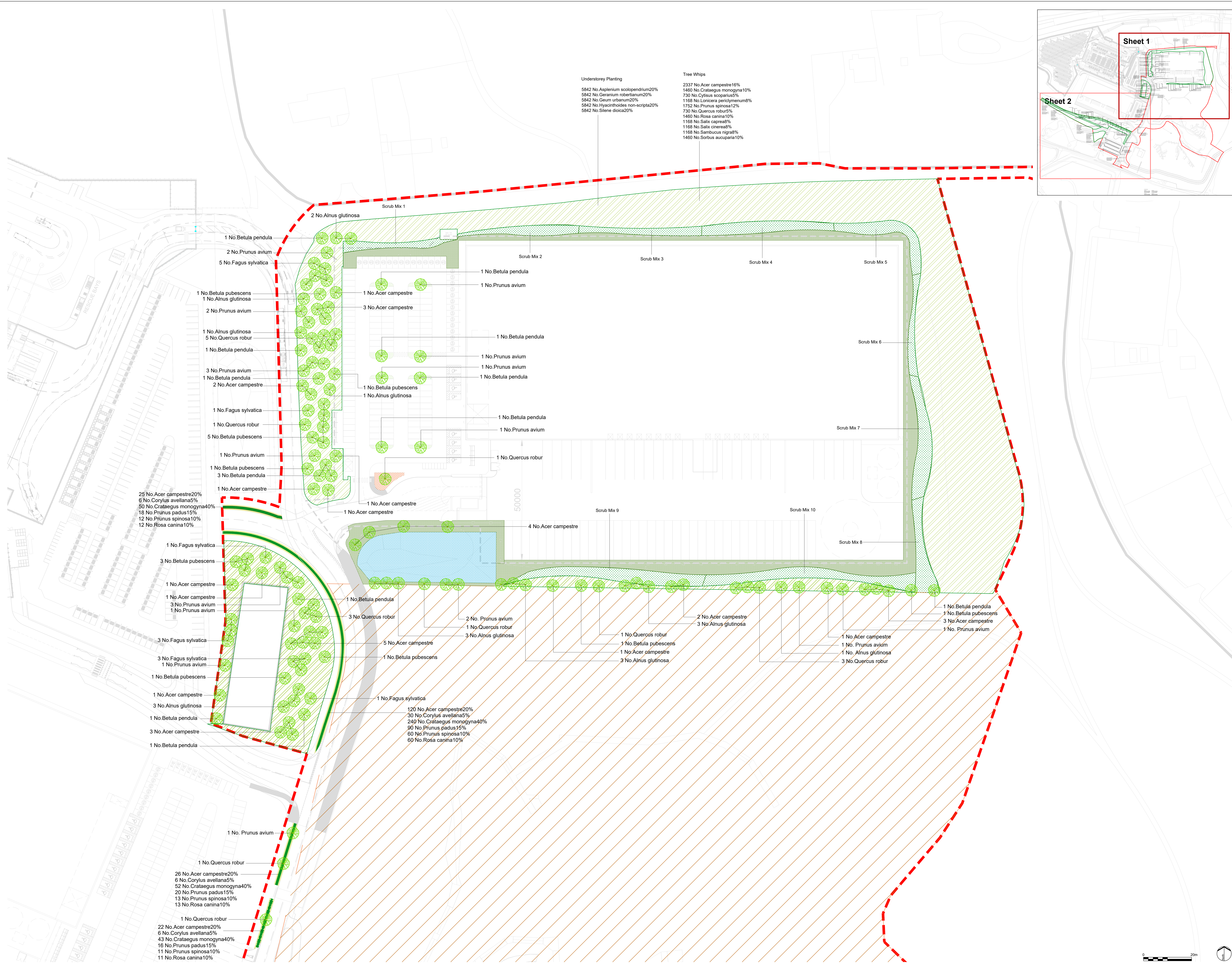




This document should not be relied on or used in circumstances other than those for which it was prepared and for which Tyler Grange was appointed.

Tyler Grange accepts no responsibility for this document to any other party other than the person by whom it was appointed.

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Key:

- Extent of Full Application Boundary
- Country Park to be detailed by The Land Trust
- Proposed Tree Planting
- Proposed Native Hedgerow
- Proposed Tree Whip and Understorey Planting
- Proposed Scrub Planting
- Proposed Grasscrete
- Proposed Amenity Grass- Emorsgate EG22C (or similar approved) 25g/m<sup>2</sup>
- Proposed Wildflower Meadow Mix- Emorsgate EL1 (or similar approved) 4g/m<sup>2</sup>
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- Proposed Pond Edge Meadow Mix- Emorsgate EP1 (or similar approved) 4g/m<sup>2</sup>
- Proposed Wetlands Meadow Mix- Emorsgate EM8 (or similar approved) 4g/m<sup>2</sup> and reedbeds as per ecologists recommendations
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For details of existing retained and removed trees, including extents of Root Protection Areas, refer to accompanying Arboricultural Impact Assessment and Method Statement.

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| E   | Site Access Amendments               | 17.02.2022 |
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Project title  
Cronton Colliery, Halsnhead Garden Village

Drawing title  
Detailed Soft Landscaping Proposals Sheet 1 of 2

|                |               |                  |
|----------------|---------------|------------------|
| Issued By      | Manchester    | T: 0161 236 8367 |
| Scale          | 1:500 @ A0    | Drawn KL         |
| Status         | February 2022 | Checked RP       |
| Date           |               | Approved RH      |
| Drawing number | 12267/P13     | Revision E       |

## PLANTING SCHEDULE

| Number         | Species          | Height    | Girth   | Specification                                  |
|----------------|------------------|-----------|---------|------------------------------------------------|
| 63 No.         | Acer campestre   | 350-425cm | 12-14cm | Heavy Standard :Clear Stem 175-200 :5 brks :RB |
| 21 No.         | Alnus glutinosa  | 350-425cm | 12-14cm | Heavy Standard :Clear Stem 175-200 :5 brks :RB |
| 24 No.         | Betula pendula   | 350-425cm | 12-14cm | Heavy Standard :Clear Stem 175-200 :5 brks :RB |
| 25 No.         | Betula pubescens | 350-425cm | 12-14cm | Heavy Standard :Clear Stem 175-200 :5 brks :RB |
| 25 No.         | Fagus sylvatica  | 350-425cm | 12-14cm | Heavy Standard :Clear Stem 175-200 :5 brks :RB |
| 68 No.         | Prunus avium     | 350-425cm | 12-14cm | Heavy Standard :Clear Stem 175-200 :5 brks :RB |
| 27 No.         | Quercus robur    | 350-425cm | 12-14cm | Heavy Standard :Clear Stem 175-200 :5 brks :RB |
| Total :253 No. |                  |           |         |                                                |

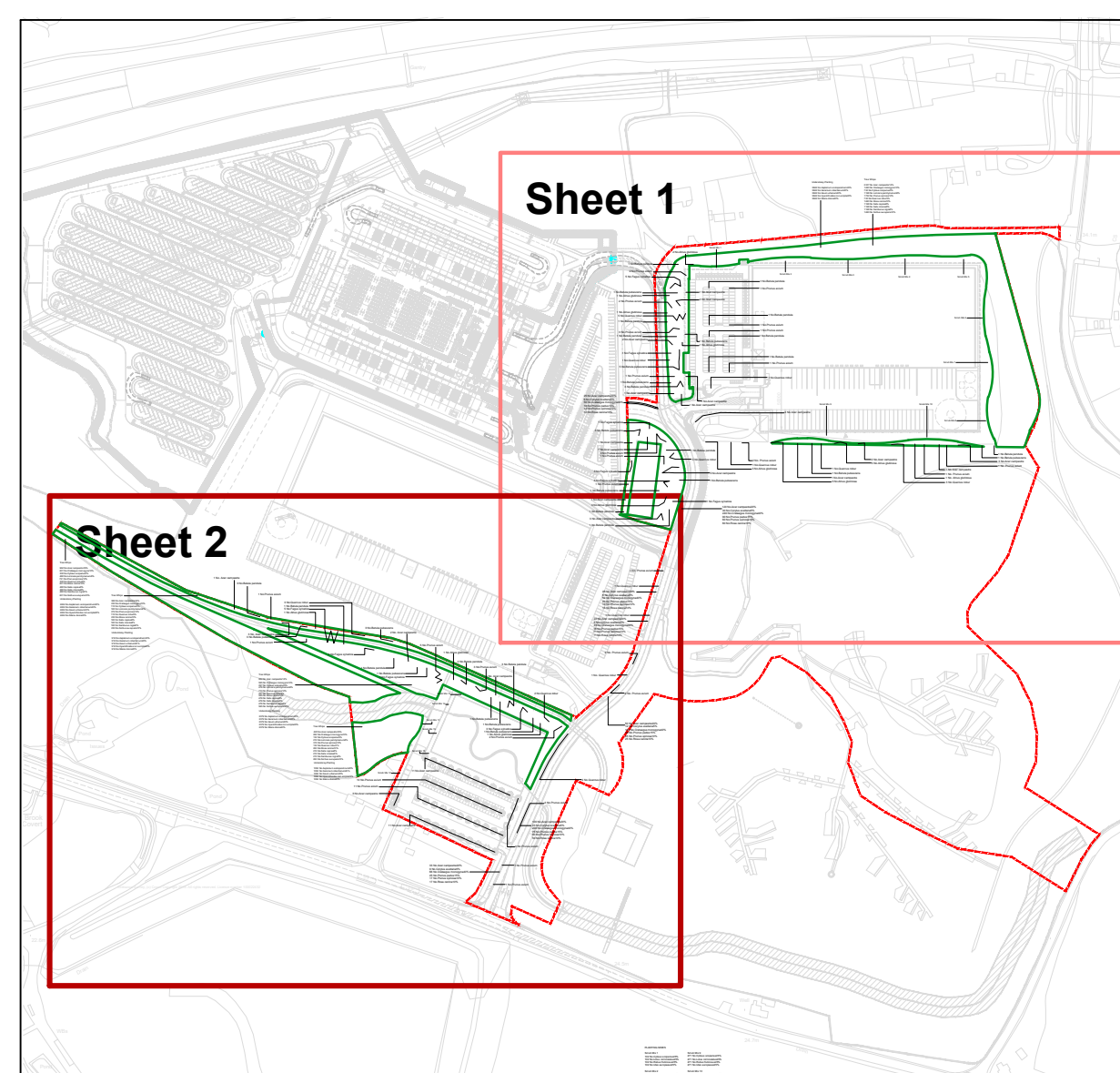
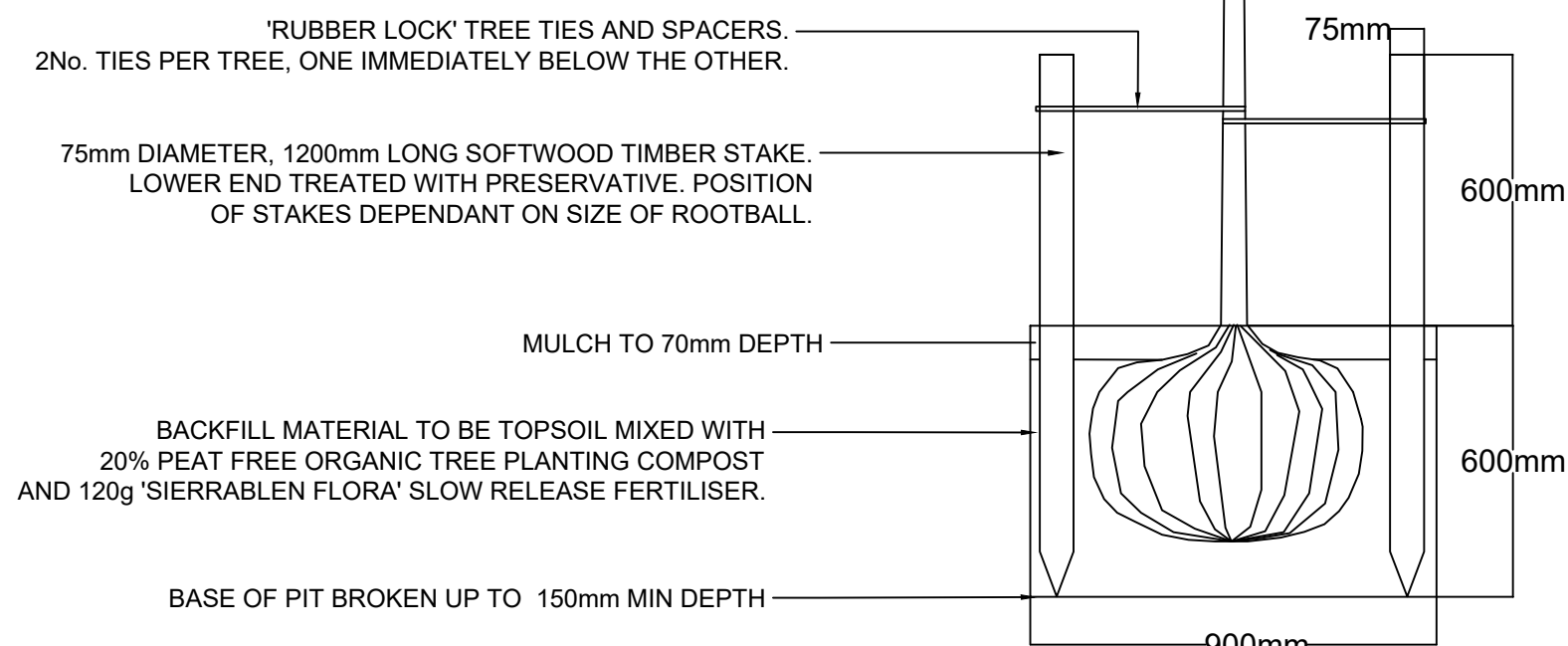
| Number           | Species               | Height   | Pot Size | Specification        | Density |
|------------------|-----------------------|----------|----------|----------------------|---------|
| 6037 No.         | Acer campestre        | 80-100cm | 1+1      | Transplant :BR       | 1.5/m²  |
| 3148 No.         | Crataegus monogyna    | 60-80cm  | 1+2      | BR                   | 1.5/m²  |
| 1574 No.         | Cytisus scoparius     | 40-60cm  | 3L       | Bushy :7 brks :C     | 1.5/m²  |
| 2517 No.         | Lonicera periclymenum | 40-60cm  | 5-7.5L   | Bushy :5 brks :C     | 1.5/m²  |
| 3775 No.         | Prunus spinosa        | 60-80cm  | 1+1      | BR                   | 1.5/m²  |
| 1574 No.         | Quercus robur         | 80-100cm | 1+2      | Transplant :BR       | 1.5/m²  |
| 3148 No.         | Rosa canina           | 60-80cm  | 1+1      | Branched :3 brks :BR | 1.5/m²  |
| 2517 No.         | Salix caprea          | 80-100cm | 0/1/2    | Transplant :BR       | 1.5/m²  |
| 2517 No.         | Salix cinerea         | 80-100cm | 0/1      | Branched :2 brks :BR | 1.5/m²  |
| 2517 No.         | Sambucus nigra        | 60-80cm  | 1+1      | Branched :3 brks :BR | 1.5/m²  |
| 3148 No.         | Sorbus aucuparia      | 60-80cm  | 1+1      | Transplant :BR       | 1.5/m²  |
| Total :31472 No. |                       |          |          |                      |         |

| Number            | Species                   | Pot Size  | Specification | Density |
|-------------------|---------------------------|-----------|---------------|---------|
| 12591 No.         | Asplenium scolopendrium   | 0.5L      | Full Pot      | 3/m²    |
| 12591 No.         | Geranium robertianum      | 0.5L      | Full Pot      | 3/m²    |
| 12591 No.         | Geum urbanum              | 0.5L      | Full Pot      | 3/m²    |
| 12591 No.         | Hyacinthoides non-scripta | Grade 6/7 |               | 3/m²    |
| 12591 No.         | Silene dioica             | 0.5L      | Full Pot      | 3/m²    |
| Total : 62955 No. |                           |           |               |         |

| Number          | Species            | Height  | Specification             | Density                                |
|-----------------|--------------------|---------|---------------------------|----------------------------------------|
| 376 No.         | Acer campestre     | 60-80cm | 1+1 :Transplant :BR       | 0.4Ctr Double Staggered at 0.4m offset |
| 92 No.          | Corylus avellana   | 60-80cm | 1+1 :Branched :3 brks :BR | 0.4Ctr Double Staggered at 0.4m offset |
| 751 No.         | Crataegus monogyna | 60-80cm | 1+2 :BR                   | 0.4Ctr Double Staggered at 0.4m offset |
| 282 No.         | Prunus padus       | 60-80cm | 1+1 :Transplant :BR       | 0.4Ctr Double Staggered at 0.4m offset |
| 188 No.         | Prunus spinosa     | 60-80cm | 1+1 :Branched :3 brks :BR | 0.4Ctr Double Staggered at 0.4m offset |
| 188 No.         | Rosa canina        | 60-80cm | 1+1 :Branched :3 brks :BR | 0.4Ctr Double Staggered at 0.4m offset |
| Total :1877 No. |                    |         |                           |                                        |

| Number          | Species            | Height  | Pot Size | Specification       | Density |
|-----------------|--------------------|---------|----------|---------------------|---------|
| 2491 No.        | Cytisus scoparius  | 40-60cm | 3L       | Bushy :7 brks :C    | 3/m²    |
| 2491 No.        | Lotus corniculatus | 0.5L    | Full Pot |                     | 3/m²    |
| 2491 No.        | Rubus fruticosus   | 40-60cm | 2L       | Branched :3 brks :C | 3/m²    |
| 2491 No.        | Ulex europaeus     | 20-30cm | 2L       | Bushy :3 brks :C    | 3/m²    |
| Total :9964 No. |                    |         |          |                     |         |

## HEAVY STANDARD TREES IN SOFT LANDSCAPE AREAS



## Key:

- Extent of Full Application Boundary
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- Proposed Shaded Wildflower Meadow Mix-Emersgate EH1F (or similar approved) 1.5g/m²

For details of existing retained and removed trees, including extents of Root Protection Areas, refer to accompanying Arboricultural Impact Assessment and Method Statement.

## SPECIFICATION NOTES

### GENERAL

- Proposals to be read in conjunction with Architects and Engineers Drawings.
- All landscape operations to be in accordance with all relevant and current BS and BS EN standards including BS 8545: 2014, BS4428: 1998 & BS 3936: 1990, 1992, 2007, and all amendments to date. Plant material to conform with the National Plant Specification;
- Any Plant material planted outside the recognised planting season (Nov-Feb), to be containerised stock and supplied at the sizes specified.
- Plant handling and planting operations to be in accordance with HTA 'Handling and Establishing Landscape Plants parts 1 - III'.
- All planting to be maintained and guaranteed for 12 months to include watering, weeding, litter picking, pest & disease control.
- The landscape contractor is to take all safety precautions to prevent any injury to any persons. The landscape contractor shall comply with the requirements of the Health and Safety at Work Act 1974 and current Construction, Design and Management Regulations.

### SOIL AND MULCH

- Existing topsoil to be stripped and stored on site in heaps not exceeding 2m height and kept weed free.
- Any compacted subsoil to be broken up to allow free drainage and to enable topsoil to key into surface.
- Any imported topsoil to be to BS3882:2015, weed free, medium texture, neutral PH value, reasonably stone free with no stones over 20mm in size.
- Finished topsoil levels to be flush with adjacent paved surfaces.
- Soil depths to be 600mm for Heavy Standard trees, 450mm for shrub and hedge planting, 150mm for grass turfing and seeding.
- Backfill for trees as per detail and other planting to be a mix of 50/50 approved/stored topsoil and scrub planting compost evenly mixed.
- All planting areas to be covered with a 75mm depth of medium grade bark mulch.

### PLANT MATERIAL TREATMENT

- All to be British grown stock and fully hardened off.
- Root Dip - Proprietary Root Dip applied to all bare root stock at time of lifting at nursery and prior to planting (for hedgerow plants).
- Anti-Desiccant - Proprietary anti-desiccant to be applied to foliage of all containerised/rootballed material in leaf prior to transportation and during any delay in planting.
- Tree Stakes and Ties - Stakes to be pressure treated, round, smooth and peeled Larch or Chestnut as per detail.

### EXISTING TREES AND SHRUBS

- Where existing trees and shrubs are to be retained they will be subject to a full Arboricultural inspection for safety.
- Any surgery required shall be in accordance with BS3998: 2010 'Tree Work - Recommendations'.
- All existing trees and hedges to be retained are subject to BS5837: 2012 'Trees in relation to Construction - Recommendations', and should be fully fenced off in accordance, prior to the commencement of any works.
- No storage of materials, disposal of rubbish, fires, spillage of oil and chemicals, ground compaction, excavation or changes in level shall be carried out within existing tree/hedge canopies or their Root Protection Areas.
- The contractor shall maintain protective fencing around retained trees and hedgerows until all site works are completed. The contractor will then remove the fencing and reinstate the ground maintaining all existing levels.
- All works shall comply fully with the Arboricultural Method Statement.

### PROPOSED TREES

- Contractor to ascertain the location of all sewers and services prior to tree planting.
- No trees to be planted within 3 metres of sewers or services or other easement recommended by the relevant statutory undertaker without the use of tree root barriers. Use Green Blue Urban Reroot 200 in the vicinity of dwellings and Reroot Ribbed Barrier in the vicinity of paths/hard surfaces and services (refer to tree pit details). All tree pits with root barriers are subject to engineer's approval.
- Heavy Standard Trees in soft landscape areas to be double staked and fixed in accordance with the tree pit detail.
- Where necessary increase tree pit dimensions to ensure that tree pits are at least 75mm deeper and 150mm wider than the rootball. Break up bottom of pits to a depth of 150mm. Compacted glazed sides of pits should be roughened.
- Cut back any broken or damaged roots to sound growth.
- Plant trees upright, in the centre of the pit and at original soil depth.

### SHRUBS

- Before planting, remove any non-perishable containers and carefully prune any damaged roots. Plant upright or well balanced with best side to front. Carefully return excavated topsoil/shrub planting compost mix, packing around evenly spread roots or root ball and heel well in.
- Planting holes for shrubs to be 150mm wider than root spread and 450mm deep.
- Shrubs to be planted in groups of 3-7 of the same species, with smaller plants located abutting paths and roads.
- Water plants thoroughly immediately after planting.
- Immediately after planting cut back any damaged, dead or diseased branches.
- After planting rake soil to a fine tilth with approved cameras and no hollows.
- After raking apply approved bark mulch to a depth of 75mm.

### HEDGING (Native)

- Plant hedging in trenches 450mm depth and large enough to take the full spread of roots.
- Set out plants evenly as scheduled; planted in groups of 3-7 of the same species.
- Backfill with excavated topsoil/shrub planting mix.
- Prune back native hedging hard at the appropriate season in year one (and outside of the bird nesting season September 1st to February 28th).

### RABBIT GUARDS

- Where specified, install rabbit guards supported by canes around each transplant (to supplier specification).
- The contractor shall maintain rabbit spirals and canes in place during the management and maintenance period.

### PREPARATION OF TURF BEDS, AMENITY GRASS AND WILDFLOWER AREAS

- Prepare the ground by rolovation to break up topsoil to full depth and reduce top 100mm to a fine tilth. Avoid doing this when the soil is wet, to avoid damaging the soil structure and drainage. All turfed areas are to be weed free prior to turfing.
- Remove all undesirable particles brought to the surface including clay balls and stones larger than 50mm in any dimension, building debris, or roots.
- Grade the final surface to smooth contours ensuring the removal of all localised hollows and ridges, allowing for any settlement so that finished levels should be approx. 30mm higher than adjacent kerbs and manholes.

### TURFING

- Turf to be in accordance with BS3936: 1998.
- Unless otherwise stated, turf is to be good quality cultivated turf, consisting of 25% Dwarf Rye Grass, 20% Chewing Fescue, 35% Creeping Red Fescue, 20% Smooth Stalked Meadow Grass (equivalent quality to Rotown Medallion Grade turf), fibrous and well rooted, mown and free of matted or dead grass and pernicious weeds.
- Turves to have been treated by an approved selective weed killer not more than 3 months and not less than 4 weeks before lifting.
- Turf is to be delivered within 36 hours of cutting and shall be off loaded by hand unless arranged on pallets for mechanical handling.
- Turf, which is not laid immediately on delivery, or turf inadequately stored, or in poor condition shall be rejected.
- Turf shall not be laid in exceptionally dry weather or when the ground is frozen or waterlogged.
- All turf shall be laid from plants laid on the previously laid row in alternate grain up grain down rows, with broken joints between rows and well butted up.

### GRASS SEEDING - AMENITY AND WILDFLOWER

- Seeding to be undertaken between April-October (in accordance with Emersgate recommendations).
- Seed in calm weather with seed evenly distributed in 2 directions;
- Sowing rates as recommended by Emersgate.
- Roll seed to ensure contact with the soil ('crinkle or Cambridge' or as appropriate).
- First and subsequent cuts in accordance with Emersgate recommendations).

### WATERING

- Planting areas are to be brought up to field capacity on completion of planting and during maintenance visits subject to prevailing conditions.

### WEEDING AND LITTER CLEARANCE

- Planted areas to be maintained weed and litter free during maintenance and management period.

### TREE WHIPS

- 952 No Acer campestre16%
- 595 No Crataegus monogyna10%
- 297 No Cytisus scoparius5%
- 476 No Lonicera periclymenum8%
- 713 No Prunus spinosa12%
- 297 No Quercus robur5%
- 595 No Rosa canina10%
- 476 No Salix caprea8%
- 476 No Salix cinerea8%
- 476 No Sambucus nigra8%
- 595 No Sorbus aucuparia10%

| Number   | Species                   | Height | Pot Size | Specification | Density |
|----------|---------------------------|--------|----------|---------------|---------|
| 2379 No. | Asplenium scolopendrium   | 20%    |          |               |         |
| 2379 No. | Geranium robertianum      | 20%    |          |               |         |
| 2379 No. | Geum urbanum              | 20%    |          |               |         |
| 2379 No. | Hyacinthoides non-scripta | 20%    |          |               |         |
| 2379 No. | Silene dioica             | 20%    |          |               |         |

### UNDERSTOREY PLANTING

- 1050 No Asplenium scolopendrium20%
- 1050 No Geranium robertianum20%
- 1050 No Geum urbanum20%
- 1050 No Hyacinthoides non-scripta20%
- 1050 No Silene dioica20%

### SCRUB MIX

- 420 No Acer campestre16%
- 262 No Crataegus monogyna10%
- 132 No Cytisus scoparius5%
- 210 No Lonicera periclymenum8%
- 315 No Prunus spinosa12%
- 132 No Quercus robur5%
- 263 No Rosa canina10%
- 210 No Salix caprea8%
- 210 No Salix cinerea8%
- 210 No Sambucus nigra8%
- 263 No Sorbus aucuparia10%

### UNDERSTOREY PLANTING

- 1050 No Asplenium scolopendrium20%
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- 1050 No Silene dioica20%

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## PLANTING MIXES

|                                                                                                                                      |                                                                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Scrub Mix 1<br>102 No Cytisus scoparius25%<br>102 No Lotus corniculatus25%<br>102 No Rubus fruticosus25%<br>102 No Ulex europaeus25% | Scrub Mix 9<br>271 No Cytisus scoparius25%<br>271 No Lotus corniculatus25%<br>271 No Rubus fruticosus25%<br>271 No Ulex europaeus25%  |
| Scrub Mix 2<br>118 No Cytisus scoparius25%<br>118 No Lotus corniculatus25%<br>118 No Rubus fruticosus25%<br>118 No Ulex europaeus25% | Scrub Mix 10<br>283 No Cytisus scoparius25%<br>283 No Lotus corniculatus25%<br>283 No Rubus fruticosus25%<br>283 No Ulex europaeus25% |
| Scrub Mix 3<br>111 No Cytisus scoparius25%<br>111 No Lotus corniculatus25%<br>111 No Rubus fruticosus25%<br>111 No Ulex europaeus25% | Scrub Mix 11<br>47 No Cytisus scoparius25%<br>47 No Lotus corniculatus25%<br>47 No Rubus fruticosus25%<br>47 No Ulex europaeus25%     |
| Scrub Mix 4<br>175 No Cytisus scoparius25%<br>175 No Lotus corniculatus25%<br>175 No Rubus fruticosus25%<br>175 No Ulex europaeus25% | Scrub Mix 12<br>75 No Cytisus scoparius25%<br>75 No Lotus corniculatus25%<br>75 No Rubus fruticosus25%<br>75 No Ulex europaeus25%     |
| Scrub Mix 5<br>164 No Cytisus scoparius25%<br>164 No Lotus corniculatus25%<br>164 No Rubus fruticosus25%<br>164 No Ulex europaeus25% | Scrub Mix 13<br>150 No Cytisus scoparius25%<br>150 No Lotus corniculatus25%<br>150 No Rubus fruticosus25%<br>150 No Ulex europaeus25% |
| Scrub Mix 6<br>80 No Cytisus scoparius25%<br>80 No Lotus corniculatus25%<br>80 No Rubus fruticosus25%<br>80 No Ulex europaeus25%     | Scrub Mix 14<br>43 No Cytisus scoparius25%<br>43 No Lotus corniculatus25%<br>43 No Rubus fruticosus25%<br>43 No Ulex europaeus25%     |
| Scrub Mix 7<br>201 No Cytisus scoparius25%<br>201 No Lotus corniculatus25%<br>201 No Rubus fruticosus25%<br>201 No Ulex europaeus25% | Scrub Mix 15<br>90 No Cytisus scoparius25%<br>90 No Lotus corniculatus25%<br>90 No Rubus fruticosus25%<br>90 No Ulex europaeus25%     |
| Scrub Mix 8<br>160 No Cytisus scoparius25%<br>160 No Lotus corniculatus25%<br>160 No Rubus fruticosus25%<br>160 No Ulex europaeus25% | Scrub Mix 16<br>421 No Cytisus scoparius25%<br>421 No Lotus corniculatus25%<br>421 No Rubus fruticosus25%<br>421 No Ulex europaeus25% |

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|     |                               |            |
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Project title  
Cronton Colliery, Halsnead Garden Village

Drawing title  
Detailed Soft Landscaping Proposals Sheet 2 of 2

|                |             |                  |
|----------------|-------------|------------------|
| Issued By      | Manchester  | T: 0161 236 8367 |
| Scale          | 1:500 @ A0  | Drawn            |
| Status         |             | Checked          |
| Date           | August 2020 | Approved         |
| Drawing number | 12267/P13   | Revision         |
|                |             | E                |