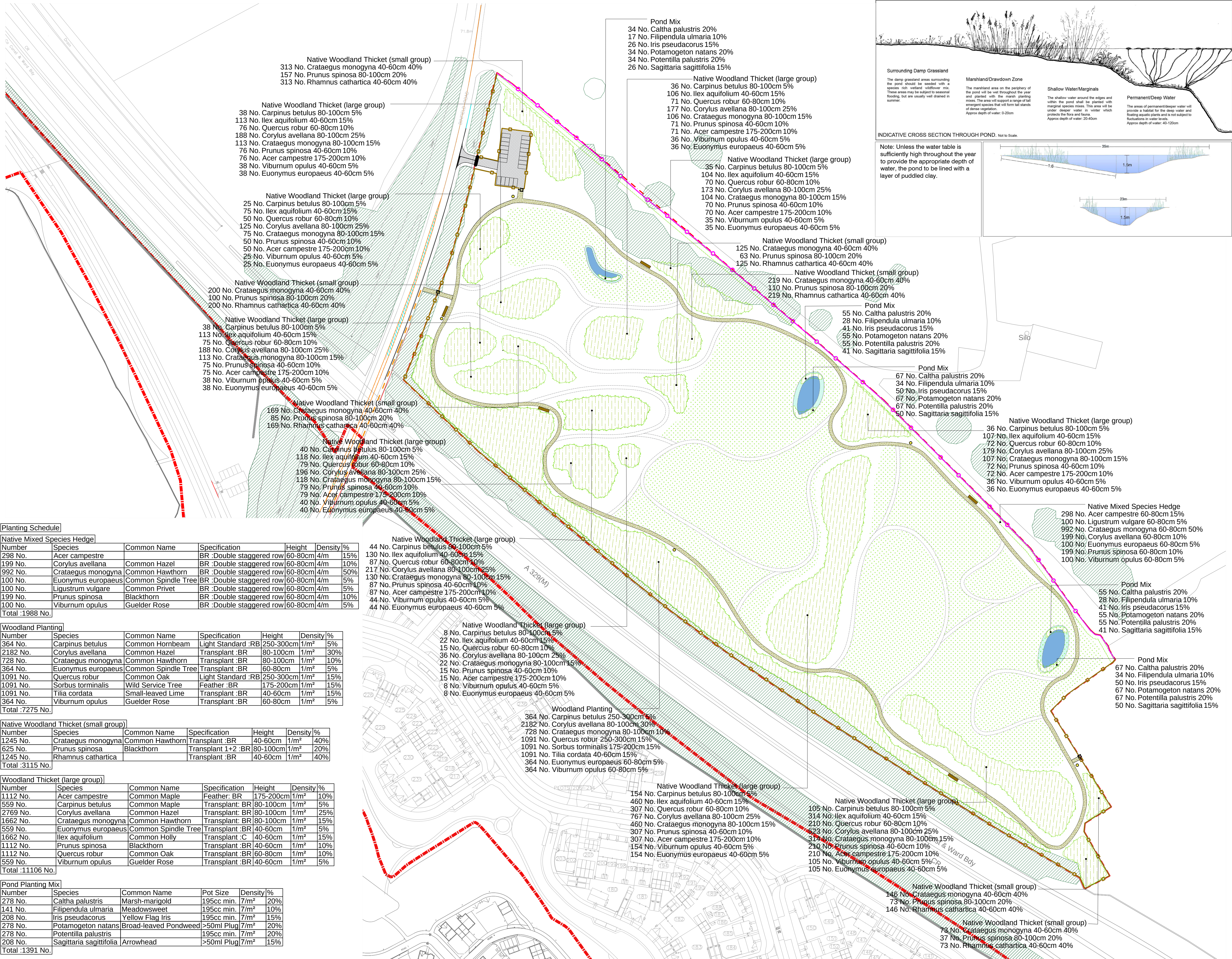




NOTES:
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KEY:

- SANG Site Boundary
- Existing Trees
- Existing Vegetation Structure
- Informal Mown Grass Pathways
- Proposed Hedge
- Proposed Planting Areas
- Proposed Wildflower Mix:
Emorsgate EM3, Special General Purpose Meadow Mix or similar sown at 1.5 g/m² into existing grass areas.
- Proposed Wetland Grass Mix:
Emorsgate EP1 Pond Edge Mix or similar sown at 4 g/m²
- Pedestrian route to SANG

Refer to drawing 5244/ASPD010 for hard works drawing and 5244/ASPD011 for hard works details associated with the SANG.

PLANTING NOTES
All plants to be supplied in accordance with the HTA 'National Plant Specification' and from a HTA certified nursery. All plants and trees to be planted in accordance with BS3936 and BS58545. Delivery and handling of all plant material to be in accordance with BS4280/CJCLIPSE Code of Practice for 'Handling and Establishing Landscape Plants' Parts I, II and III and BS58545.
Planting Pit and Trench Preparation
Tree pits in soft landscape to be excavated to 1m x 1m x 1m depth prior to topsoiling and all shrub planting areas excavated to 450mm depth. All proposed hedge planting trenches to be excavated to 600mm depth. If suitable site conditions all bare root transplants, whips and feathered specimens can be notch planted as an alternative if appropriate. The preparation of planting pits, beds or trenches shall comply with the appropriate British Standards, namely BS4043, BS4428, BS5837 and BS5845.
Excavation of planting pits, beds or trenches shall not take place when the ground is frozen or waterlogged such that damage may occur to the structure of the soil. All excavated areas to be backfilled with either site won topsoil or imported topsoil to be BS3882-General purpose grade. All topsoiled areas to be clear of rocks and rubble larger than 50mm diameter and any other debris that may interfere with the establishment of plants. The Contractor shall break up and cultivate at the base of the trenches or planting pits. The sides of the trenches or planting pits shall be loosened with a fork or other similar implement. All stones and the like over 75mm in any dimension, deleterious matter, weeds and weed roots brought to the surface by any cultivation or excavation shall be removed off site. The Contractor shall remove off site the excavated subsoil material when preparing planting pits. The imported topsoil should make up any deficiencies caused by the removal of the subsoil material. Trenches and pits shall have the topsoil and any subsoil material thoroughly broken up and mixed prior to backfilling. All trees shall be supplied root balled, unless otherwise stated. Root balled trees shall be well grown, healthy and with a compact, contained rootball. They shall be nursery grown and have been regularly watered. Prior to planting, all plant material shall be stored and sorted at in accordance with best practice.
Planting
All plants shall be planted in a random fashion avoiding formal regimented lines at densities indicated in the schedule, unless otherwise specified. Unless otherwise specified, all hedgerows shall be planted in a double staggered rows and hedgerow mixes shall be planted in groups of 7, 9 & 13s at densities indicated on the schedule. The selection, procurement, handling, storage and planting operations of all proposed trees shall be in accordance with BS58545:2014 - Trees: from nursery to independence in the landscape, recommendations.
Planting and associated operations shall comply with BS4043, BS4428, BS5837 and BS5845. Unless otherwise stated planting shall be carried out during the period of 1 Nov to 31 March when the ground is not frozen or waterlogged. If planting is required outside this period agreement shall be sought and all bare root plants shall be substituted with container grown stock.
Watering
All plants shall be watered in to field capacity immediately after planting and mulched with 50mm depth of medium grade crushed mulch. The Contractor shall water the trees, shrubs and hedges once planted so that the entire tree pit or planted area is maintained to field capacity, i.e. 'The amount of water retained by previously saturated soil once full drainage has ceased'. Watering to field capacity shall continue frequently and on a regular basis as considered necessary by the landscape contractor and as necessary to ensure the successful establishment and continued thriving of all planting. Additional watering shall be undertaken during summer months and/or periods of drought. Post planting management and maintenance specifically for new tree planting shall include ongoing irrigation and formative pruning as outlined in BS5845. The period over which regular irrigation required for transplanted trees is likely to be at least two full growing seasons to ensure successful establishment. As the root system develops the frequency of irrigation can be reduced.
Staking
All trees within soft landscape areas to be double staked with cross bar and tied, using 1.5m long, 75mm diameter rounded tree stakes 15mm brace, rubber tie and spacer block. Stakes not to extend more than 650mm above ground level. Spiral rabbit protection guards shall be included for all other bare root transplants or whip planting.
Root Barriers
Root barriers (ReRoot 1000 or equivalent) to be included adjacent to buildings and services where necessary. Landscape contractor shall check all planting operations comply with appropriate standards and that in the absence of detailed surveys, any necessary underground investigations are undertaken to ensure there are no conflicts with existing or proposed utilities, services or foundations.
PROTECTION OF EXISTING VEGETATION TO BE RETAINED
Existing trees to be retained shall be protected in accordance with BS5837, from commencement to completion of all works on site.

Planting Schedule

Native Mixed Species Hedge						
Number	Species	Common Name	Specification	Height	Density	%
298 No.	Acer campestre	Common Hornbeam	BR :Double staggered row	60-80cm	4/m	15%
189 No.	Corylus avellana	Common Hazel	BR :Double staggered row	60-80cm	4/m	10%
992 No.	Crataegus monogyna	Common Hawthorn	BR :Double staggered row	60-80cm	4/m	50%
100 No.	Euonymus europaeus	Common Spindle Tree	BR :Double staggered row	60-80cm	4/m	5%
100 No.	Ligustrum vulgare	Common Privet	BR :Double staggered row	60-80cm	4/m	5%
199 No.	Prunus spinosa	Blackthorn	BR :Double staggered row	60-80cm	4/m	10%
100 No.	Viburnum opulus	Gelder Rose	BR :Double staggered row	60-80cm	4/m	5%
Total :1988 No.						

Woodland Planting

Number	Species	Common Name	Specification	Height	Density	%
364 No.	Carpinus betulus	Common Hornbeam	Light Standard :BR	250-300cm	1/m ²	5%
2182 No.	Corylus avellana	Common Hazel	Transplant :BR	80-100cm	1/m ²	30%
728 No.	Crataegus monogyna	Common Hawthorn	Transplant :BR	80-100cm	1/m ²	10%
364 No.	Euonymus europaeus	Common Spindle Tree	Transplant :BR	60-80cm	1/m ²	5%
1091 No.	Quercus robur	Common Oak	Light Standard :RB	250-300cm	1/m ²	15%
1091 No.	Sorbus torminalis	Wild Service Tree	Feather :BR	175-200cm	1/m ²	15%
1091 No.	Tilia cordata	Small-leaved Lime	Transplant :BR	40-60cm	1/m ²	15%
364 No.	Viburnum opulus	Gelder Rose	Transplant :BR	60-80cm	1/m ²	5%
Total :7275 No.						

Native Woodland Thicket (small group)

Number	Species	Common Name	Specification	Height	Density	%
1245 No.	Crataegus monogyna	Common Hawthorn	Transplant :BR	40-60cm	1/m ²	40%
625 No.	Prunus spinosa	Blackthorn	Transplant 1+2 :BR	80-100cm	1/m ²	20%
1245 No.	Rhamnus cathartica		Transplant :BR	40-60cm	1/m ²	40%
Total :3115 No.						

Woodland Thicket (large group)

Number	Species	Common Name	Specification	Height	Density	%
1112 No.	Acer campestre	Common Maple	Feather :BR	175-200cm	1/m ²	10%
559 No.	Carpinus betulus	Common Maple	Transplant :BR	80-100cm	1/m ²	5%
2769 No.	Corylus avellana	Common Hazel	Transplant :BR	80-100cm	1/m ²	25%
1662 No.	Crataegus monogyna	Common Hawthorn	Transplant :BR	80-100cm	1/m ²	15%
559 No.	Euonymus europaeus	Common Spindle Tree	Transplant :BR	40-60cm	1/m ²	5%
1662 No.	Ilex aquifolium	Common Holly	Transplant :C	40-60cm	1/m ²	15%
1112 No.	Prunus spinosa	Blackthorn	Transplant :BR	40-60cm	1/m ²	10%
1112 No.	Quercus robur	Common Oak	Transplant :BR	60-80cm	1/m ²	10%
559 No.	Viburnum opulus	Gelder Rose	Transplant :BR	40-60cm	1/m ²	5%
Total :11106 No.						

Pond Planting Mix

Number	Species	Common Name	Pot Size	Density	%
278 No.	Caltha palustris	Marsh-marigold	195cc min.	7/m ²	20%
141 No.	Filipendula ulmaria	Meadowsweet	195cc min.	7/m ²	10%
208 No.	Iris pseudacorus	Yellow Flag Iris	195cc min.	7/m ²	15%
278 No.	Potamogeton natans	Broad-leaved Pondweed	>50ml Plug	7/m ²	20%
278 No.	Potentilla palustris		195cc min.	7/m ²	20%
208 No.	Sagittaria sagittifolia	Arrowhead	>50ml Plug	7/m ²	15%
Total :1391 No.					

Native Woodland Thicket (large group)

44 No. Carpinus betulus 80-100cm 5%	130 No. Ilex aquifolium 40-60cm 15%	87 No. Quercus robur 60-80cm 10%	217 No. Corylus avellana 80-100cm 25%	130 No. Crataegus monogyna 80-100cm 15%	87 No. Prunus spinosa 40-60cm 10%	87 No. Acer campestre 175-200cm 10%	44 No. Viburnum opulus 40-60cm 5%	44 No. Euonymus europaeus 40-60cm 5%
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Native Woodland Thicket (large group)

8 No. Carpinus betulus 80-100cm 5%	22 No. Ilex aquifolium 40-60cm 15%	15 No. Quercus robur 60-80cm 10%	36 No. Corylus avellana 80-100cm 25%	22 No. Crataegus monogyna 80-100cm 15%	15 No. Prunus spinosa 40-60cm 10%	15 No. Acer campestre 175-200cm 10%	8 No. Viburnum opulus 40-60cm 5%	8 No. Euonymus europaeus 40-60cm 5%
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Woodland Planting

364 No. Carpinus betulus 250-300cm 5%	2182 No. Corylus avellana 80-100cm 30%	728 No. Crataegus monogyna 80-100cm 10%	1091 No. Quercus robur 250-300cm 15%	1091 No. Sorbus torminalis 175-200cm 15%	1091 No. Tilia cordata 40-60cm 15%	364 No. Euonymus europaeus 60-80cm 5%	364 No. Viburnum opulus 60-80cm 5%
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Native Woodland Thicket (large group)

154 No. Carpinus betulus 80-100cm 5%	460 No. Ilex aquifolium 40-60cm 15%	307 No. Quercus robur 60-80cm 10%	767 No. Corylus avellana 80-100cm 25%	460 No. Crataegus monogyna 80-100cm 15%	307 No. Prunus spinosa 40-60cm 10%	307 No. Acer campestre 175-200cm 10%	154 No. Viburnum opulus 40-60cm 5%	154 No. Euonymus europaeus 40-60cm 5%
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Native Woodland Thicket (small group)

146 No. Crataegus monogyna 40-60cm 40%	73 No. Prunus spinosa 80-100cm 20%	146 No. Rhamnus cathartica 40-60cm 40%
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Native Woodland Thicket (small group)

125 No. Crataegus monogyna 40-60cm 40%	63 No. Prunus spinosa 80-100cm 20%	125 No. Rhamnus cathartica 40-60cm 40%
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Native Woodland Thicket (small group)

219 No. Crataegus monogyna 40-60cm 40%	110 No. Prunus spinosa 80-100cm 20%	219 No. Rhamnus cathartica 40-60cm 40%
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Native Woodland Thicket (small group)

146 No. Crataegus monogyna 40-60cm 40%	73 No. Prunus spinosa 80-100cm 20%	146 No. Rhamnus cathartica 40-60cm 40%
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Native Woodland Thicket (small group)

146 No. Crataegus monogyna 40-60cm 40%	73 No. Prunus spinosa 80-100cm 20%	146 No. Rhamnus cathartica 40-60cm 40%
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Native Woodland Thicket (small group)

146 No. Crataegus monogyna 40-60cm 40%	73 No. Prunus spinosa 80-100cm 20%	146 No. Rhamnus cathartica 40-60cm 40%
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