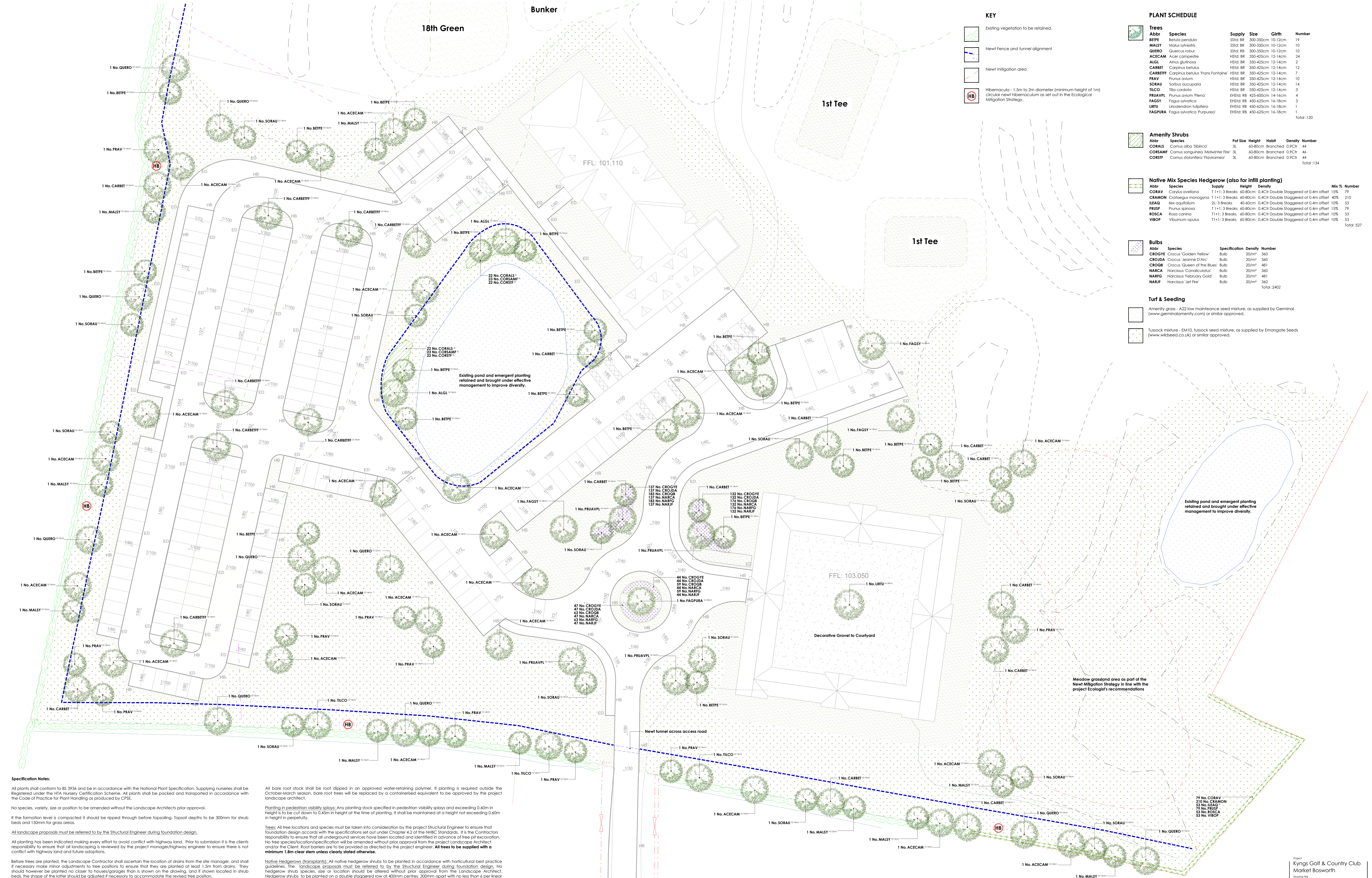




Specification Notes:

All plants shall conform to BS 3936 and be in accordance with the National Plant Specification. Supplying nurseries shall be Registered under the HFA Nursery Certification Scheme. All plants shall be packed and transported in accordance with the Code of Practice for Plant Handling as produced by CPSE.

No species, variety, size or position to be amended without the Landscape Architects prior approval.

If the formation level is compacted it should be ripped through before topsoiling. Topsoil depths to be 300mm for shrub beds and 150mm for grass areas.

All landscape proposals must be referred to by the Structural Engineer during foundation design.

All planting has been indicated making every effort to avoid conflict with highway land. Prior to submission it is the clients responsibility to ensure that all landscaping is reviewed by the project manager/highway engineer to ensure there is no conflict with highway land and future adoptions.

Before trees are planted, the Landscape Contractor shall ascertain the location of drains from the site manager, and shall if necessary make minor adjustments to tree positions to ensure that they are planted at least 1.5m from drains. They should however be planted no closer to houses/garages than is shown on the drawing, and if shown located in shrub beds, the shape of the latter should be adjusted if necessary to accommodate the revised tree position.

If planting conditions are particularly poor e.g. waterlogged/frozen ground or poor soils, the Site Manager must be notified. All works will halt until conditions are considered acceptable.

All trees, ornamental planting and identified native planting to be mulched to a depth of 75mm and in accordance with horticultural best practice guidelines ensuring plants are not buried.

All bare root stock shall be root dipped in an approved water-retaining polymer. If planting is required outside the October/January season, bare root trees will be replaced by a containerised equivalent to be approved by the project landscape architect.

Planting in pedestrian visibility splays: Any planting stock specified in pedestrian visibility splays and exceeding 0.60m in height is to be cut down to 0.45m in height at the time of planting. It shall be maintained at a height not exceeding 0.60m in height in perpetuity.

Trees: All tree locations and species must be taken into consideration by the project Structural Engineer to ensure that foundation design accords with the specifications set out under Chapter 4.2 of the HBC Standards. It is the Contractors responsibility to ensure that all underground services have been located and identified in advance of tree pit excavation. No tree species/location/specification will be amended without prior approval from the project Landscape Architect and/or the Client. Root barriers are to be provided as directed by the project engineer. **All trees to be supplied with a minimum 1.8m clear stem unless clearly stated otherwise.**

Native Hedgerows (transplants): All native hedgerow shrubs to be planted in accordance with horticultural best practice guidelines. The landscape proposals must be referred to by the Structural Engineer during foundation design. No hedgerow shrub species, size or location should be altered without prior approval from the Landscape Architect. Hedgerow shrubs to be planted on a double staggered row at 400mm centres, 300mm apart with no less than 6 per linear metre. Individual species to be planted in groups of 9-18 within the bed. Ground to be cleared, removing all weeds and other debris in advance of planting and cultivated to a fine tilth. If required suitable soil conditions, such as mushroom compost, should be incorporated. Transplanted stock to be planted into an appropriate sized pit or notch and protected using bio-degradable spiral guards (Rainbow Bio-spiral) secured with a 15mm diameter min. bamboo can inserted inside the guard and up to a third in its length into the ground. Shrubs are to be planted using a Bio-degradable shrub shelter (a GreenGuard Biodegradable Tree Shelter Guard) and timber stake using natural fibre ties (Hidfast Natural Tree Tie) fitted in accordance with the manufacturers guidelines. Following planting the ground is to be watered to field capacity. Planting beds to site frontages/features areas be mulched with 75mm layer of bark. Guards and shelters to be supplied Green Tech (www.green-tech.co.uk) or similar.

Amenity Shrubs: All amenity shrubs to be planted in accordance with horticultural best practice guidelines. No shrub species, size or location should be altered without prior approval from the Landscape Architect. Individual species to be planted in groups of 3-7 within mixed species beds. Planting beds to be mulched with 75mm layer of bark.

Amenity Turf & Seeding: All turf and seeding to be completed in line with horticultural best practice. Seed to be applied at the rates (g/m2) advised by manufacturer/supplier. Prior to seeding, ground shall be cultivated to a fine tilth incorporating 150mm of topsoil to finished formation level. All areas shall be free of weed growth prior to turfing/seeding.

Meadow Grassland: All turf and seeding to be completed in line with horticultural best practice. Seed to be applied at the rates (g/m2) advised by manufacturer/supplier. Prior to seeding, all areas shall be stripped of topsoil to provide a nutrient-poor subsoil for meadow establishment. Where ground requires additional soil fill to meet finished formation levels this shall be made up using site-won subsoil. Subsoil shall be cultivated to a suitable tilth and be free of weed growth at point of seeding.

Bulbs: All bulbs to be planted in accordance with horticultural best practice guidelines.

KEY

- Existing vegetation to be retained.
- New Fence and tunnel alignment
- New/1 mitigation area
- Hibernacula - 1.5m to 2m diameter (minimum height of 1m) circular new/1 hibernacula as set out in the Ecological Mitigation Strategy.

PLANT SCHEDULE

Trees					
Abbr	Species	Supply	Size	Girth	Number
BETPE	Betula pendula	SS1d: BR	300-350cm	10-12cm	19
MALSY	Malus sylvestris	SS1d: BR	300-350cm	10-12cm	10
QUERO	Quercus robur	SS1d: BR	300-350cm	10-12cm	10
ACECAM	Acer campestre	HS1d: BR	350-425cm	12-14cm	24
ALGL	Alnus glutinosa	HS1d: BR	350-425cm	12-14cm	2
CARBET	Corpinus betulus	HS1d: BR	350-425cm	12-14cm	12
CARBETFF	Corpinus betulus 'Frans Fontaine'	HS1d: BR	350-425cm	12-14cm	7
PRAV	Prunus avium	HS1d: BR	350-425cm	12-14cm	10
SORAU	Sorbus aucuparia	HS1d: BR	350-425cm	12-14cm	14
TILCO	Tilia cordata	HS1d: BR	350-425cm	12-14cm	3
PRUAVPL	Prunus avium 'Piena'	EH1d: BR	425-600cm	14-16cm	4
FAGSY	Fagus sylvatica	EH1d: BR	450-625cm	16-18cm	3
LIRTU	Liriodendron tulipifera	EH1d: BR	450-625cm	16-18cm	1
FAGPURA	Fagus sylvatica 'Purpurea'	EH1d: BR	450-625cm	16-18cm	1
					Total: 120

Amenity Shrubs					
Abbr	Species	Pol Size	Height	Habit	Density Number
CORALS	Cornus alba 'Stolica'	3L	60-80cm	Branched	0.9Cfr 44
CORSAM	Cornus sanguinea 'Midwinter Fire'	3L	60-80cm	Branched	0.9Cfr 46
CORSTF	Cornus stolonifera 'Flavicomae'	3L	60-80cm	Branched	0.9Cfr 44
					Total: 134

Native Mix Species Hedgerow (also for infill planting)					
Abbr	Species	Supply	Height	Density	Mix % Number
CORAV	Corvus avianus	1 1+1: 3 Breaks	60-80cm	0.4Cfr Double Staggered at 0.4m offset	15% 79
CRAMON	Crataegus monogyna	1 1+1: 3 Breaks	60-80cm	0.4Cfr Double Staggered at 0.4m offset	40% 210
ILEAQ	Ilex aquifolium	2L: 3 Breaks	40-60cm	0.4Cfr Double Staggered at 0.4m offset	10% 53
PRUP	Prunus spinosa	1 1+1: 3 Breaks	60-80cm	0.4Cfr Double Staggered at 0.4m offset	15% 79
ROSCA	Rosa canina	1 1+1: 3 Breaks	60-80cm	0.4Cfr Double Staggered at 0.4m offset	10% 53
VIBOP	Viburnum opulus	1 1+1: 3 Breaks	60-80cm	0.4Cfr Double Staggered at 0.4m offset	10% 53
					Total: 527

Bulbs			
Abbr	Species	Specification	Density Number
CROGYE	Crocus 'Golden Yellow'	Bulb	20/m² 360
CROIDA	Crocus 'Jeanne D'Arc'	Bulb	20/m² 360
CROGB	Crocus 'Queen of the Blues'	Bulb	20/m² 481
NARCA	Narcissus 'Conicalutus'	Bulb	20/m² 360
NARIG	Narcissus 'Trelawny Gold'	Bulb	20/m² 481
NARIF	Narcissus 'Jet Fire'	Bulb	20/m² 360
			Total: 2402

Turf & Seeding

- Amenity grass - A22 low maintenance seed mixture, as supplied by Germinal (www.geminalamenity.com) or similar approved.
- Tussock mixture - 6W10, tussock seed mixture, as supplied by Emorsgate Seeds (www.wildseed.co.uk) or similar approved.