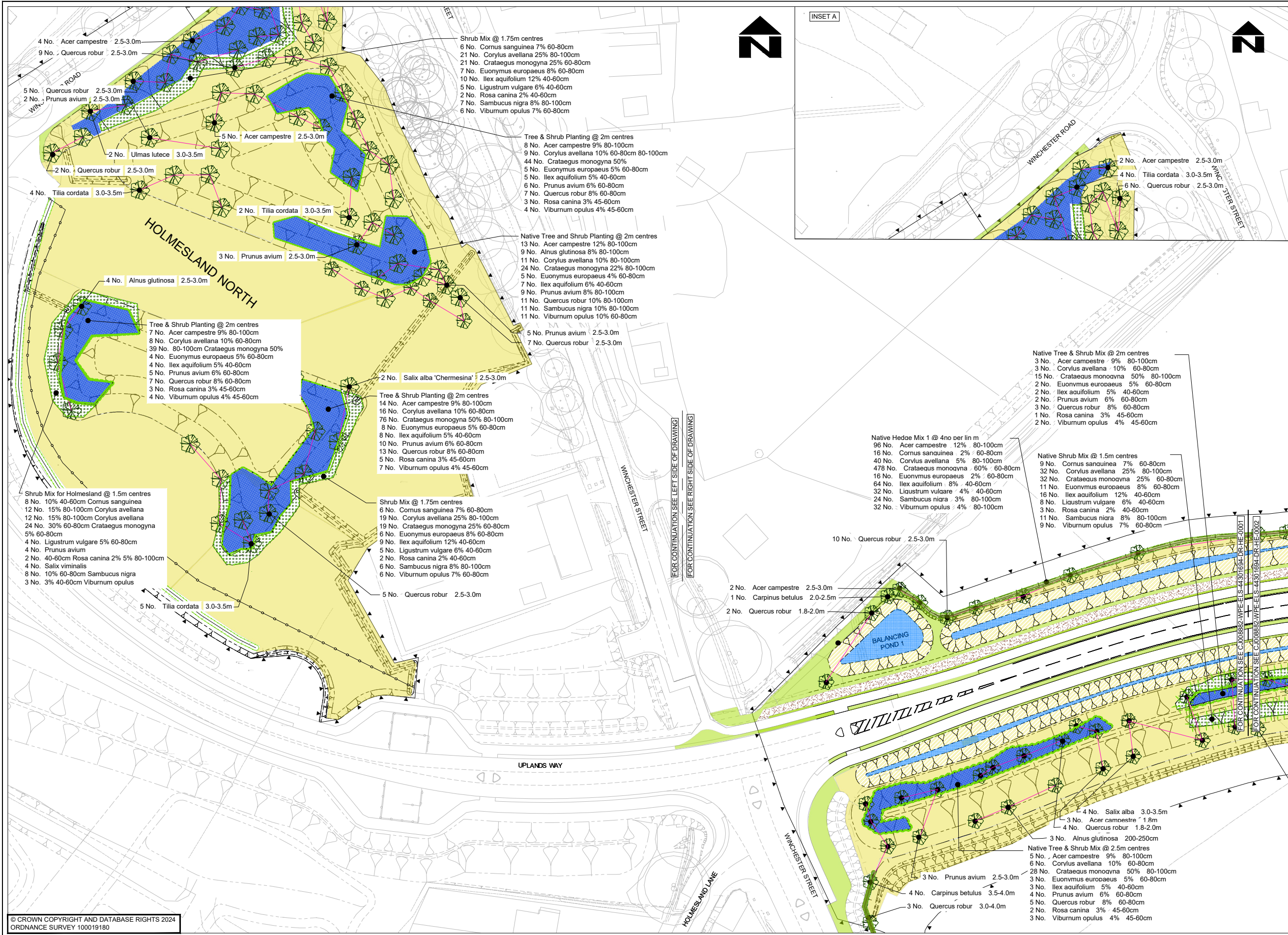
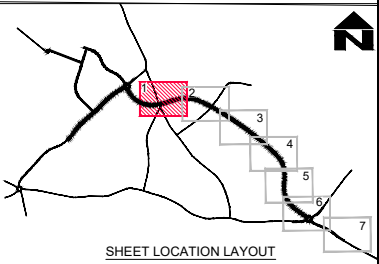




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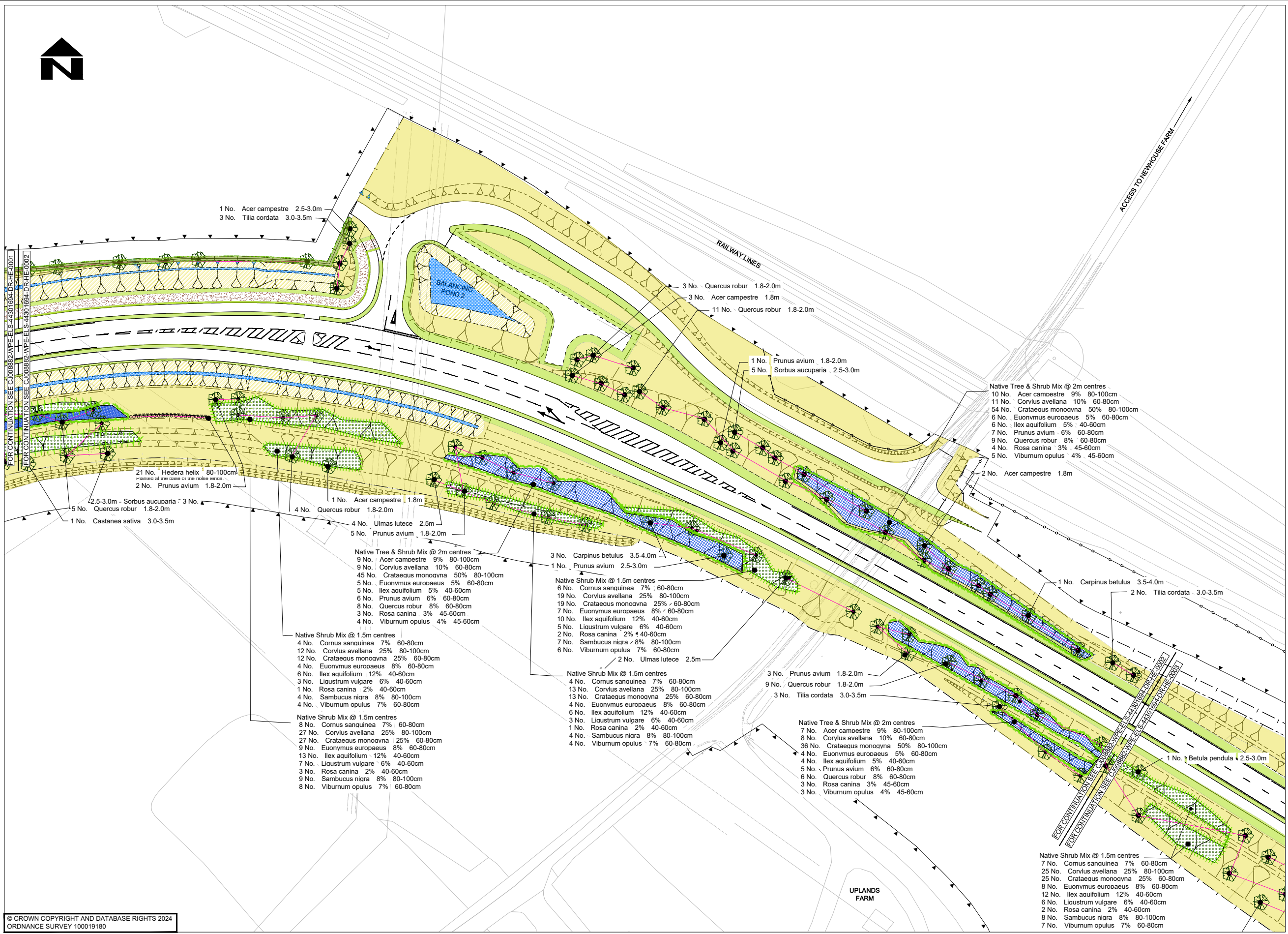
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CONSULTANT

Hampshire
County Council
Engineering Services

TIM LAWTON BENG CENG FICE FCIHT : ASSISTANT DIRECTOR OF UNIVERSAL SERVICES

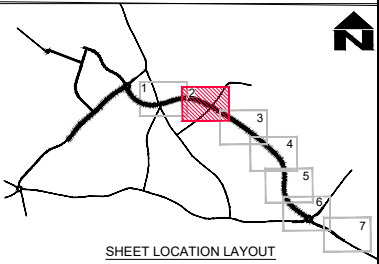
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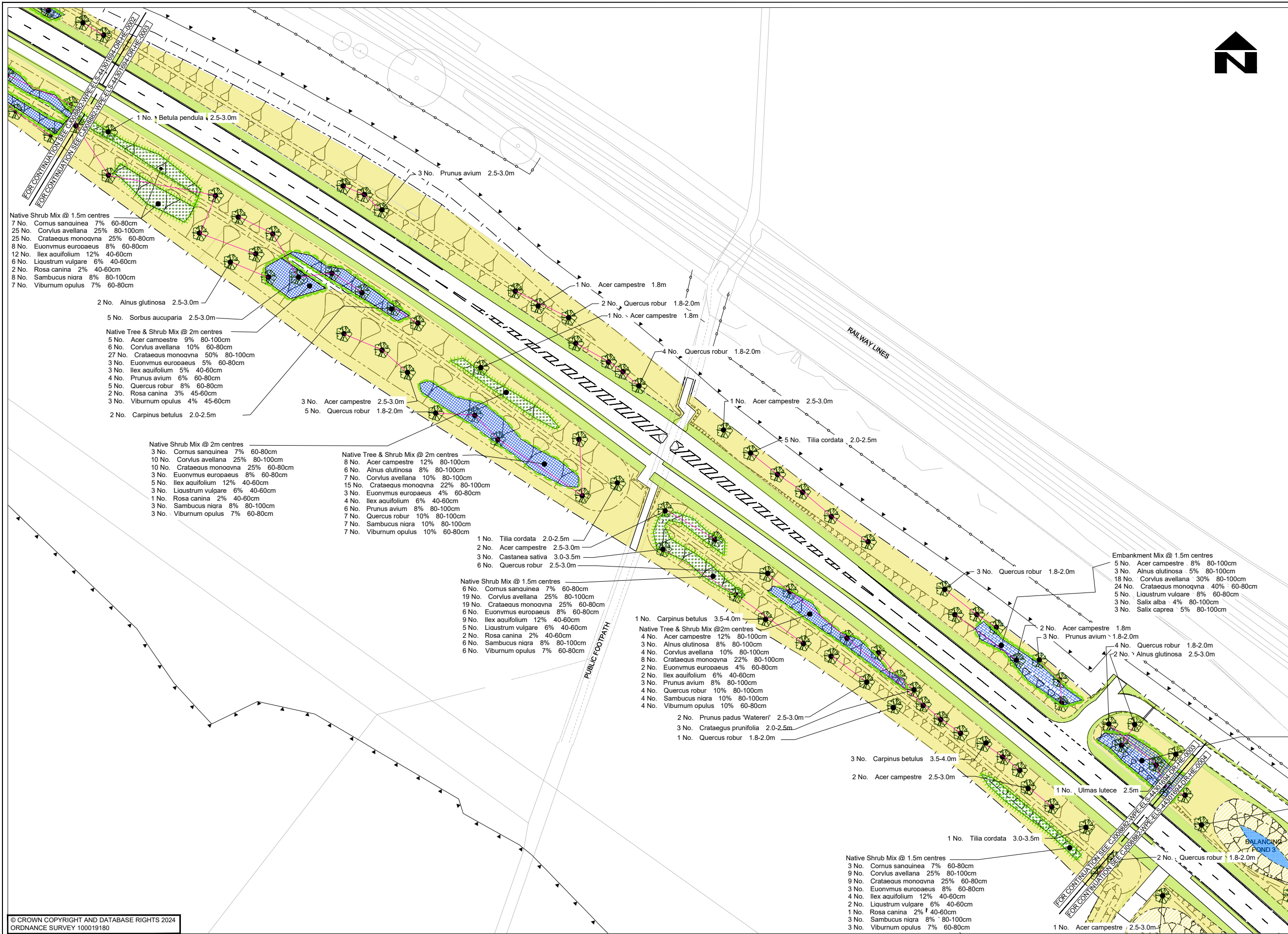
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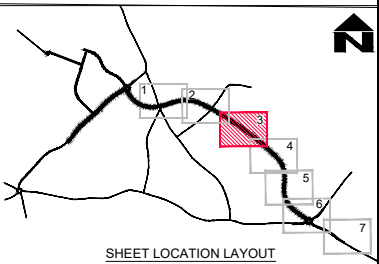
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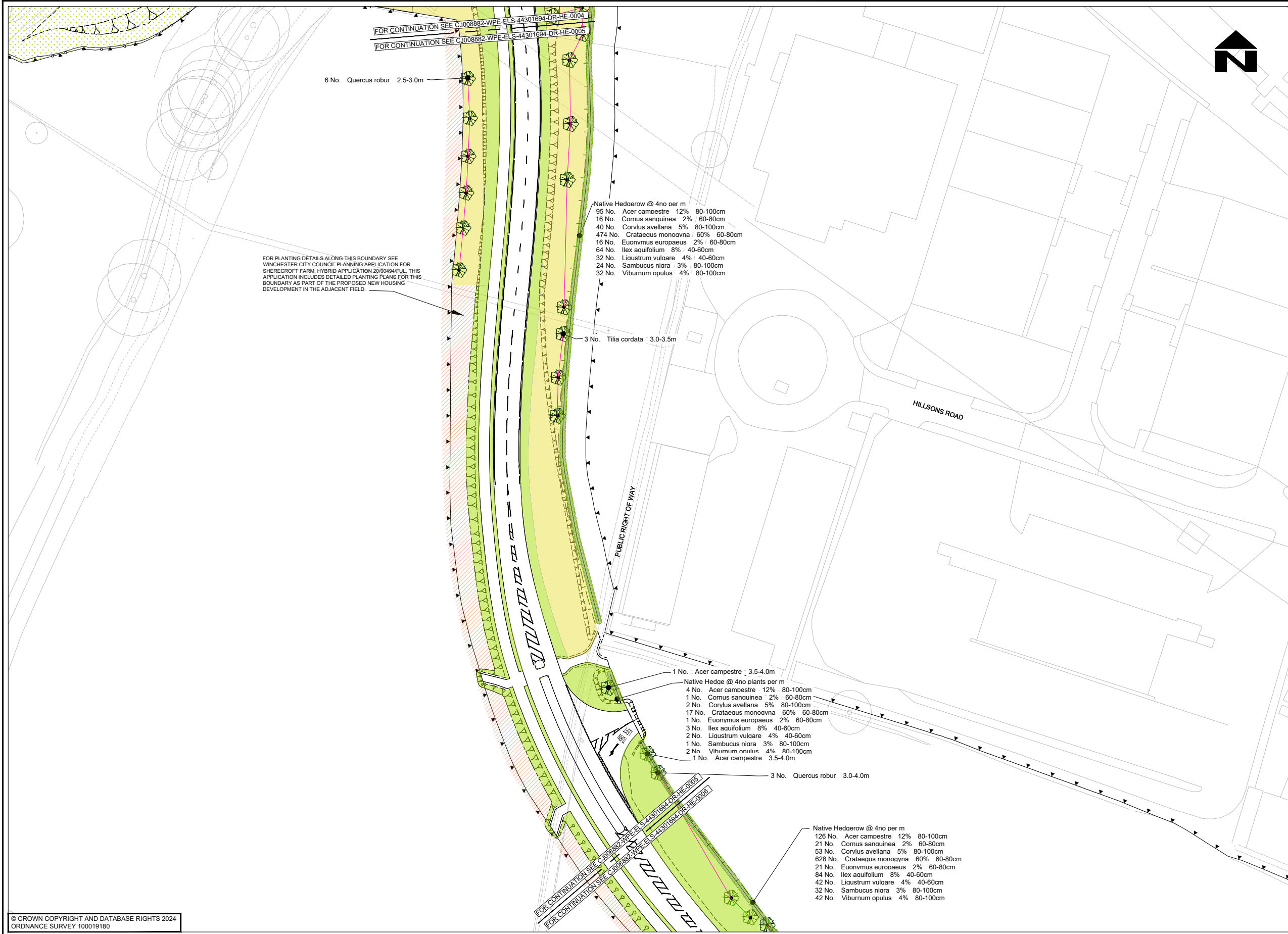
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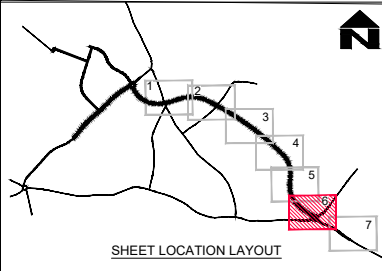
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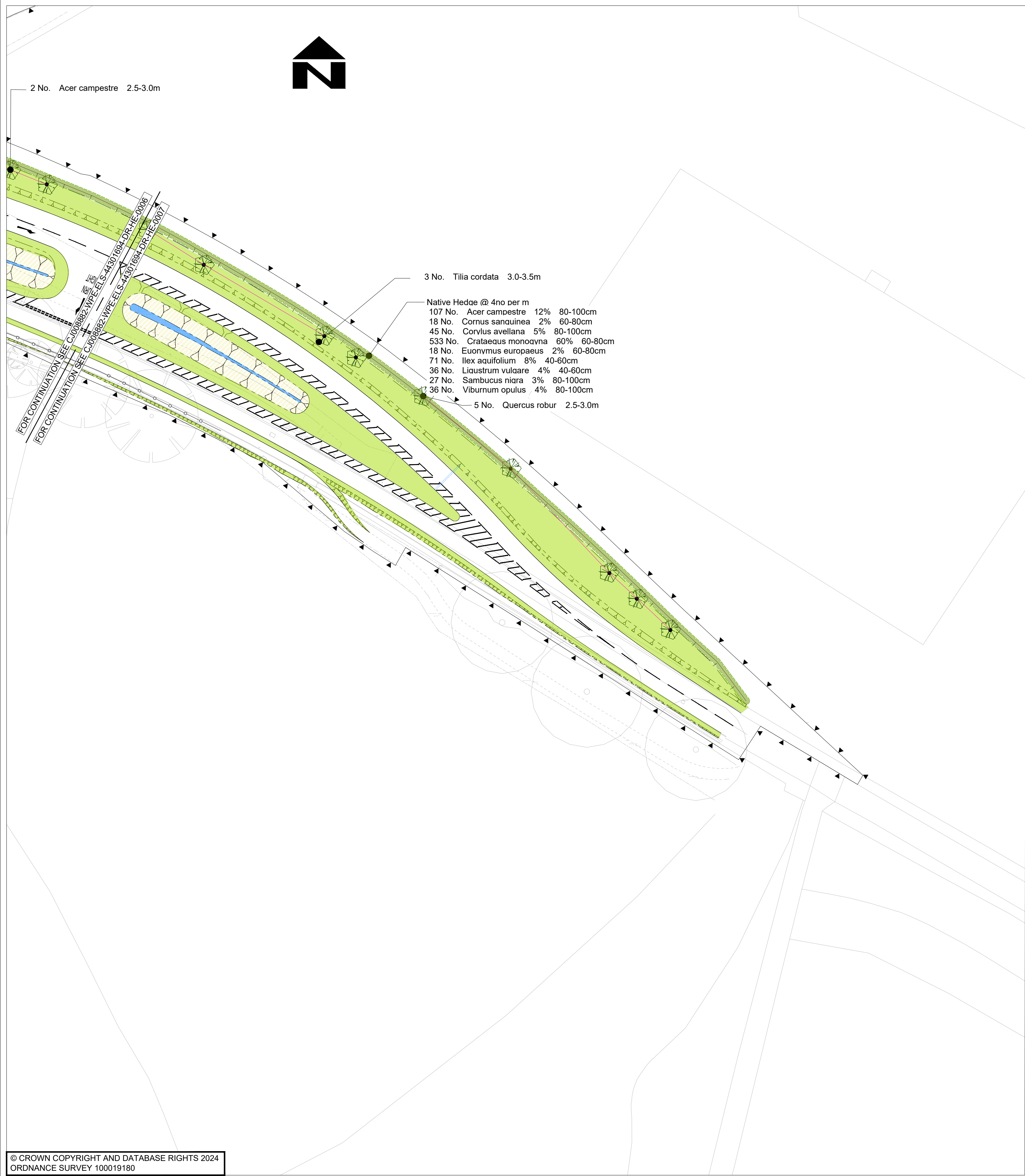
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CONSULTANT

Hampshire
County Council
Engineering Services
TIM LAWTON BENG CENG FICE FCIHT : ASSISTANT DIRECTOR OF UNIVERSAL SERVICES

DESIGNER AL		SCALE @ A1 1:500		SCHEME BOTLEY BYPASS	DRAWING TITLE LANDSCAPING PLAN	
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					SUIT S2	REV P 01



Tree and Shrub Specification 09/10/24

Trees	Number	Species	Height	Girth	Specification
	672 No.	Acer campestre	80-100cm	2x :BR	
	36 No.	Acer campestre	2.5-3.0m	8-10cm	Standard :BR
	17 No.	Acer campestre	1.8m	6-8cm	BR :Feather
	2 No.	Acer campestre	3.5-4.0m	14-16cm	RB
	48 No.	Alnus glutinosa	80-100cm		Whip :BR
	46 No.	Alnus glutinosa	2.5-3.0m	8-10cm	Standard :BR
	4 No.	Betula pendula	2.5-3.0m	8-10cm	Standard :BR
	3 No.	Betula utilis jacquemontii	3.0-3.5m	14-16cm	Extra Heavy Standard :C
	19 No.	Carpinus betulus	3.5-4.0m	12-14cm	RB :Selected Standard
	11 No.	Castanea sativa	3.0-3.5m	8-10cm	BR :Standard
	3351 No.	Crataegus monogyna	60-80cm		BR
	4 No.	Crataegus prunifolia	2.0-2.5m	8-10cm	Standard :BR
	208 No.	Euonymus europaeus	60-80cm		Whip :B
	32 No.	Fagus sylvatica	60-80cm		BR
	531 No.	Ilex aquifolium	40-60cm		Bushy :C 3L pot
	80 No.	Prunus avium	80-100cm		BR
	20 No.	Prunus avium	2.5-3.0m	8-10cm	Standard :BR
	15 No.	Prunus avium	1.8-2.0m	6-8cm	BR :Feather
	2 No.	Prunus padus 'Watereri'	2.5-3.0m	10-12cm	Standard
	99 No.	Quercus robur	80-100cm		BR 1+1
	6 No.	Quercus robur	3.0-4.0m	12-14cm	RB
	65 No.	Quercus robur	1.8-2.0m	6-8cm	BR :Feather
	77 No.	Quercus robur	2.5-3.0m	8-10cm	Standard :RB
	9 No.	Salix alba	80-100cm		Whip :BR
	7 No.	Salix alba	3.0-3.5m	10-12cm	Selected Standard :BR
	11 No.	Salix alba	2.0-2.5m	6-8cm	Light Standard :BR
	13 No.	Salix alba 'Chermesina'	2.5-3.0m	8-10cm	Standard :BR
	12 No.	Salix caprea	80-100cm		Whip :BR
	16 No.	Sorbus aucuparia	2.5-3.0m	8-10cm	Standard :BR
	38 No.	Tilia cordata	3.0-3.5m	10-12cm	Selected Standard :BR
	6 No.	Tilia cordata	2.0-2.5m	8-10cm	Selected Standard :BR
	7 No.	Ulmus lutece	2.5m	8-10cm	Standard :BR
	2 No.	Ulmus lutece	3.0-3.5m	10-12cm	Selected Standard :Clear Stem 175-200 :C

Shrubs	Number	Species	Height	Pot Size	Specification
	159 No.	Cornus sanguinea	80-100cm		BR :Leader With Laterals
	23 No.	Cornus sanguinea 'Winter Beauty'	40-60cm	3L	C
	24 No.	Cornus stolonifera 'Flaviramea'	40-60cm	3L	C
	619 No.	Corylus avellana	80-100cm		BR
	21 No.	Corylus maxima 'Purpurea'	80-100cm	3L	C
	7 No.	Euonymus europaeus	60-80cm		BR :Leader With Laterals
	242 No.	Ligustrum vulgare	40-60cm	2L	C
	54 No.	Rosa canina	40-60cm		BR
	260 No.	Sambucus nigra	80-100cm		BR
	311 No.	Viburnum opulus	60-80cm		BR :Leader With Laterals

Climbers	Number	Species	Height	Pot Size	Specification	Density
	21 No.	Hedera helix	80-100cm	2L	Caned	Counted
	3 No.	Lonicera periclymenum	80-100cm	2L	Caned	4/m

SPECIFICATION

All plant material shall conform to BS 3936 Nursery Stock specification. All planting shall be carried out between November and February annually.
Imported topsoil shall conform to BS3882: 2015 British Standard Topsoil, General Purpose. Topsoil shall be spread to a depth of 300mm for all Whip Planting areas of trees and shrubs. Hedgerows shall have trenches dug out 600mm wide and 300mm deep and backfilled with topsoil. Verges, sightlines and general grass areas shall have 150nn topsoil, Wildflower /meadow seed areas 75 -100mm depth of topsoil after natural compaction. Topsoil from the Hamble Valley will be reused in the wetland areas in and around the valley floor and allowed to naturally regenerate. Topsoil for tree pits shall be as set out below.
Any Plants that die during the first 5 years establishment period shall be replaced annually with the same species and specification during the planting season.

Tree and Shrub Planting - General Notes

- All planting areas shall be strimmed and cleared of weeds and vegetation prior to planting. This may include the use of a suitable herbicide (except in the vicinity of the Hamble Valley where no herbicides shall be used), to remove noxious weeds. The ground shall be rotavated in the whip planting areas to loosen the soil. Any stones, building materials or rubbish over 50mm diam shall be removed from the site and disposed of at a licenced tip.
- Tree pits shall be dug out 1.2x1.2 x 700mm and the bottom of the pit shall be loosened prior to backfilling to remove any smearing or compaction. The pits shall be backfilled with a combination of topsoil and compost in a ration of 4:1. All bare root trees shall be dipped into a mycorrhizal fungi root dip prior to planting and a slow release general fertiliser shall be added to the pits. The trees will be staked with a single short stake put in at an angle and rabbit protection added around the tree trunk. Trees and whips planted in the Hamble valley shall have mulch mats placed around the base of the trunks to remove the need for herbicide. Trees shall be mulched to a depth of 75mm with composted bark mulch.
- Whips shall be dipped into a mycorrhizal fungi root dip prior to planting into small pits and the hedgerows planted into the pre-dug trenches. They shall be planted to the same depth as originally grown in the nursery and firmed in. The hedgerows will be planted in two staggered rows at 4no plants per metre. Protection shall be rabbit proof guards or shelters.
- Wild flower grass seed mixes shall be sown in the areas shown on the plans. They comprise 2 different seed mixes, Emorsgate seeds EM4 for Clay soils and EM8 for wet ground.
- All planting shall be watered in after planting.

Establishment Maintenance for the First Five Years

- All the following works shall be carried out as part of the main landscape contract
- All planting areas shall be kept weed free throughout the contract period. All trees and whips shall have a 1.2m wide circle sprayed out around the stem and the remaining areas between the plants shall be strimmed down once a year. In the Hamble valley where herbicide cannot be used the mulch mats will need to be maintained .
 - The hedgerows and seeded areas shall have a 900mm wide strip kept free of rubbish and the contractor shall litter pick 6 times a year.
 - All shelters and tree stakes shall be kept in good condition and replaced/ repaired as necessary. Rabbit spirals shall be removed from hedgerows after 2 years and all areas at the end of the 5 yr maintenance period.
 - Grass verges and sightlines shall be mown 6 times a year. Wildflower areas shall be maintained in accordance with the manufacturers instructions and after mowing all arisings shall be gathered and composted in an area agreed with the contract administrator.
 - All standard trees shall be watered during the summer months after 21 days without rain to field capacity.
 - Any plants that die as a result of natural causes shall be replaced on an annual basis.
 - At the end of the contract period all remaining tree ties, stakes, tree shelters or rabbit proof spirals shall be removed from site and taken to a licensed tip or recycled.

At the end of the maintenance period, all planting on private land shall be handed over to the land owner for long term maintenance and the planting within the road boundary shall remain the responsibility of the County Council

NOTE:

All topsoil works and tree pits shall be handled by the main contractor.

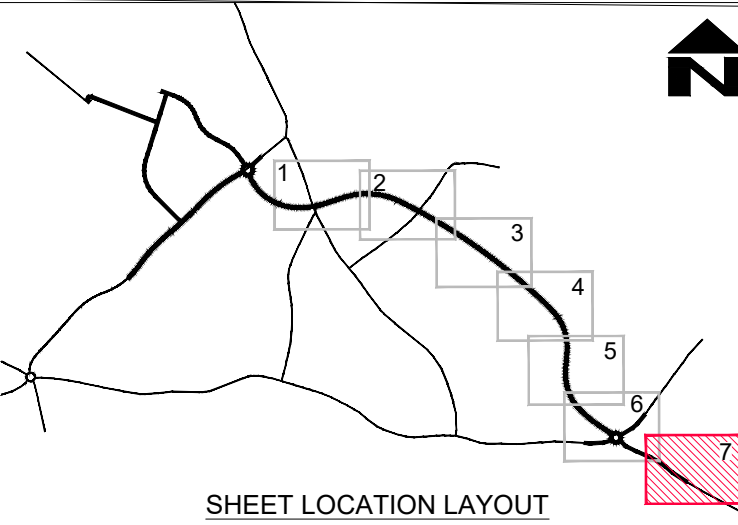
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CONSULTANT	 Hampshire County Council Engineering Services
TIM LAWTON BENG CENG FICE FCHT : ASSISTANT DIRECTOR OF UNIVERSAL SERVICES	

DESIGNER AL	SCALE @ A1 1:500	SCHEME BOTLEY BYPASS	DRAWING TITLE LANDSCAPING PLAN
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