

A47 Blofield to North Burlingham Dualling

Scheme Number: TR010040

Volume 6 6.8 Masterplan

APFP Regulation 5(2)(o)

Planning Act 2008

Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

October 2021

Deadline 5



Infrastructure Planning

Planning Act 2008

The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

A47 Blofield to North Burlingham Development Consent Order 202[x]

MASTERPLAN

Regulation Number:	Regulation 5(2)(o)
Planning Inspectorate Scheme	TR010040
Reference	
Application Document Reference	6.8
Author:	A47 Blofield to North Burlingham Dualling Project Team, Highways England

Version	Date	Status of Version
Rev 0	December 2020	Application Issue
Rev 1	July 2021	Deadline 1
Rev 2	September 2021	Deadline 4
Rev 3	October 2021	Deadline 5



SCHEDULE OF FIGURES INCLUDED IN THIS APPLICATION DOCUMENT

Figure Title	Drawing number
Masterplan – Key Plan	HE551490-GTY-ELS-000-DR-LX-30070
Masterplan – Sheet 1 of 7	HE551490-GTY-ELS-000-DR-LX-30001
Masterplan – Sheet 2 of 7	HE551490-GTY-ELS-000-DR-LX-30002
Masterplan – Sheet 3 of 7	HE551490-GTY-ELS-000-DR-LX-30003
Masterplan – Sheet 4 of 7	HE551490-GTY-ELS-000-DR-LX-30004
Masterplan – Sheet 5 of 7	HE551490-GTY-ELS-000-DR-LX-30005
Masterplan – Sheet 6 of 7	HE551490-GTY-ELS-000-DR-LX-30006
Masterplan – Sheet 7 of 7	HE551490-GTY-ELS-000-DR-LX-30007
Masterplan – Schedule of plants – Indicative List	HE551490-GTY-ELS-000-DR-LX-30101

SCHEDULE OF CHANGES

DEADLINE 1, REV 1

- Planting adjacent to The White House (Sheet 6)
- New Private Means of Access, off existing B1140.
- Fenceline and landscaping adjacent to the Agricultural Access Track updated to reflect agreement with Norfolk County Farms. (Fenceline change omitted in error, updated at Deadline 4)

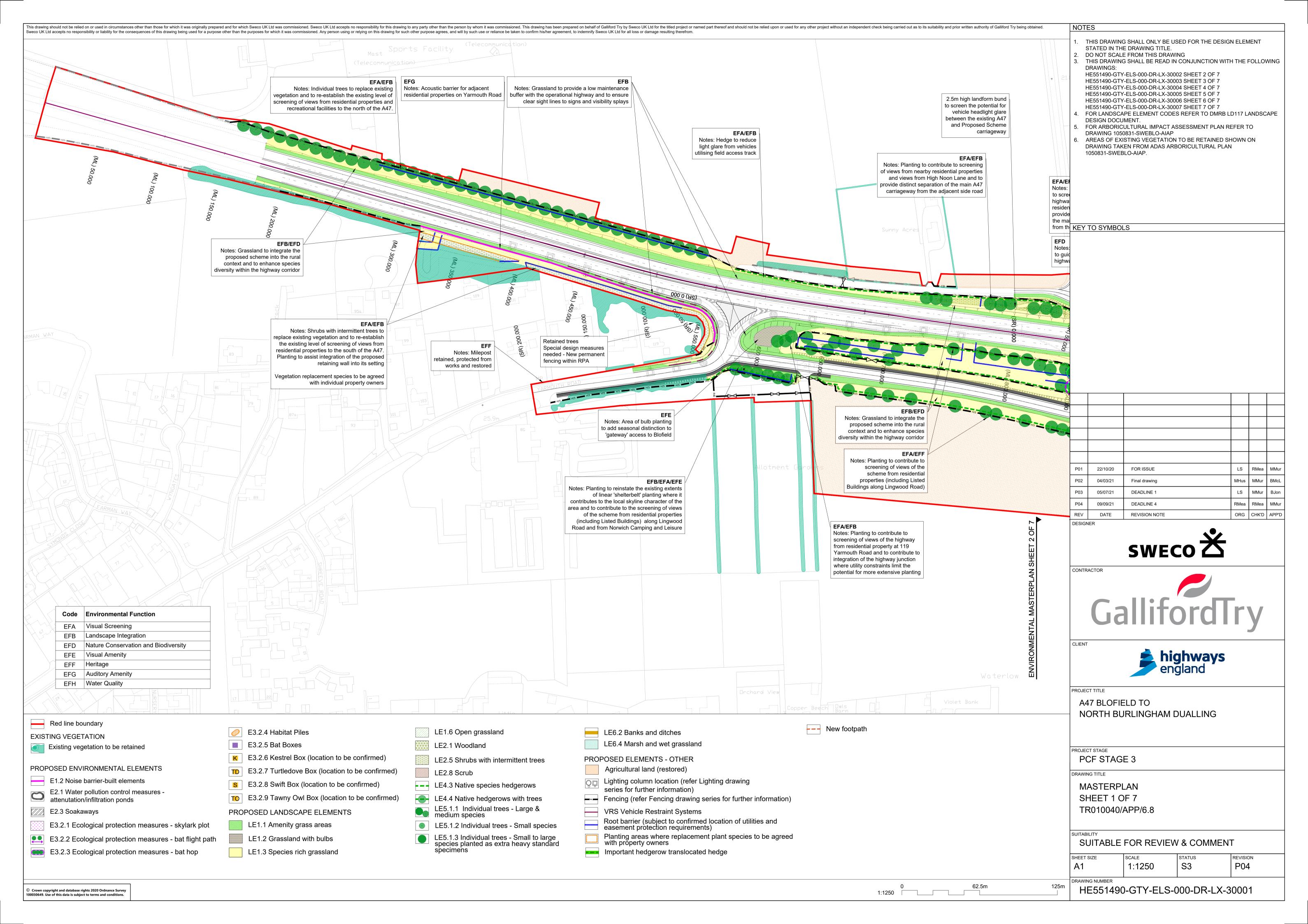
DEADLINE 4, REV 2

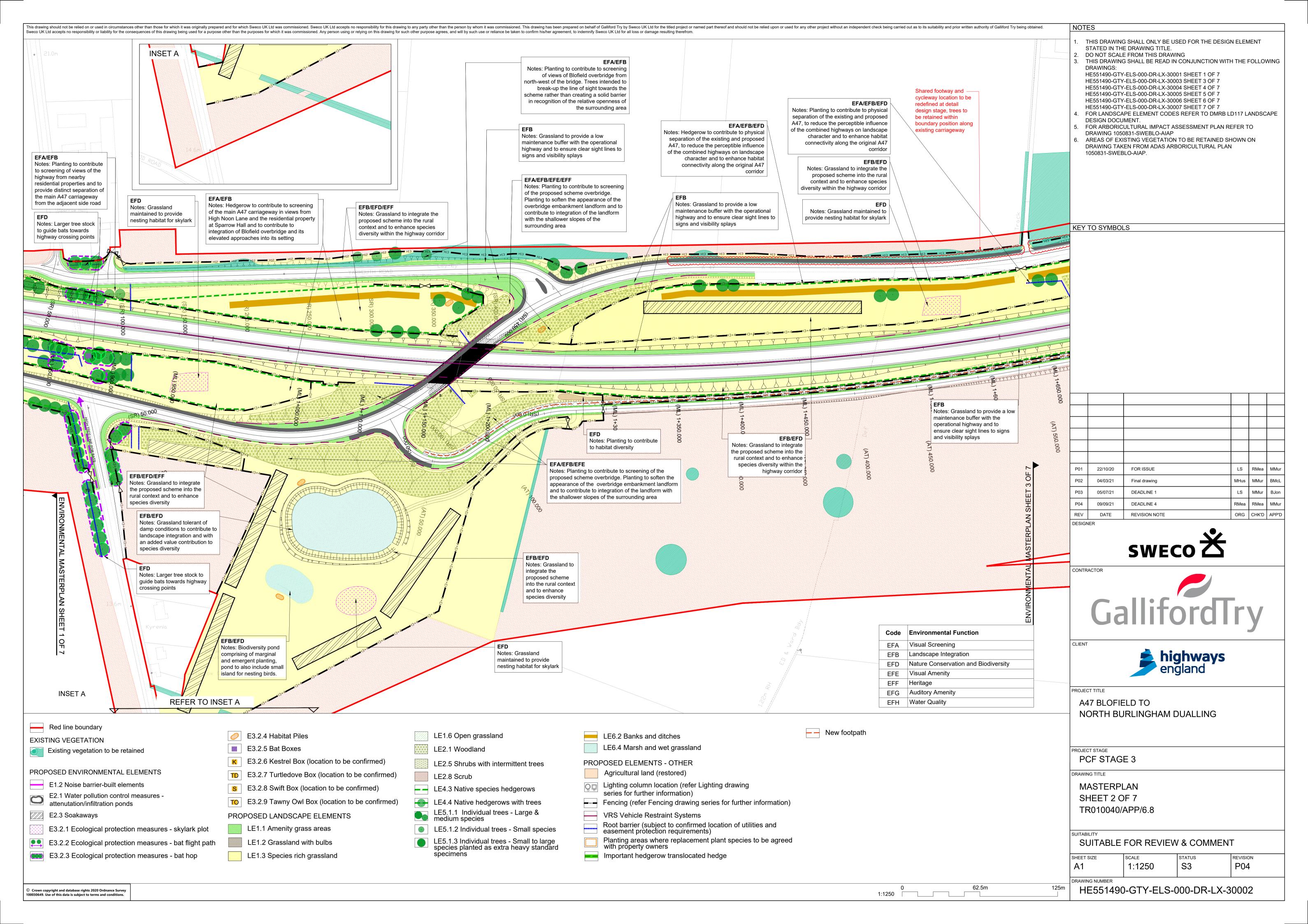
- Fenceline at Blofield Allotments updated to reflect preference of the Allotment Association (Sheet 1).
- Fenceline adjacent to the Agricultural Access Track relocated to reflect the agreement made with Norfolk County Farms.
- Landscaping updated to reflect additional loss of woodland and proposed replacement planting due to the change associated with Cadent Block Valve.
- Plant Schedule mixes updated.

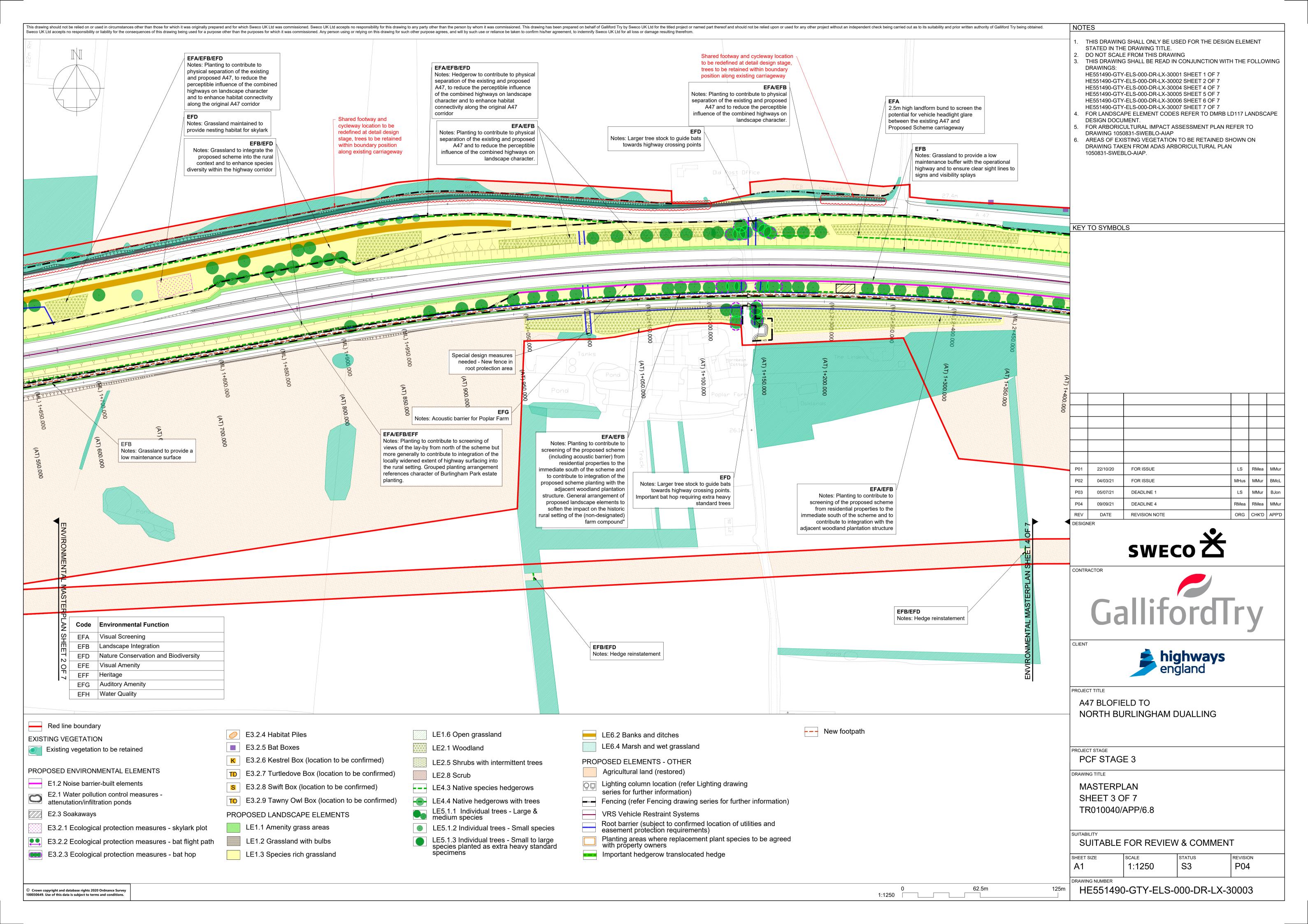


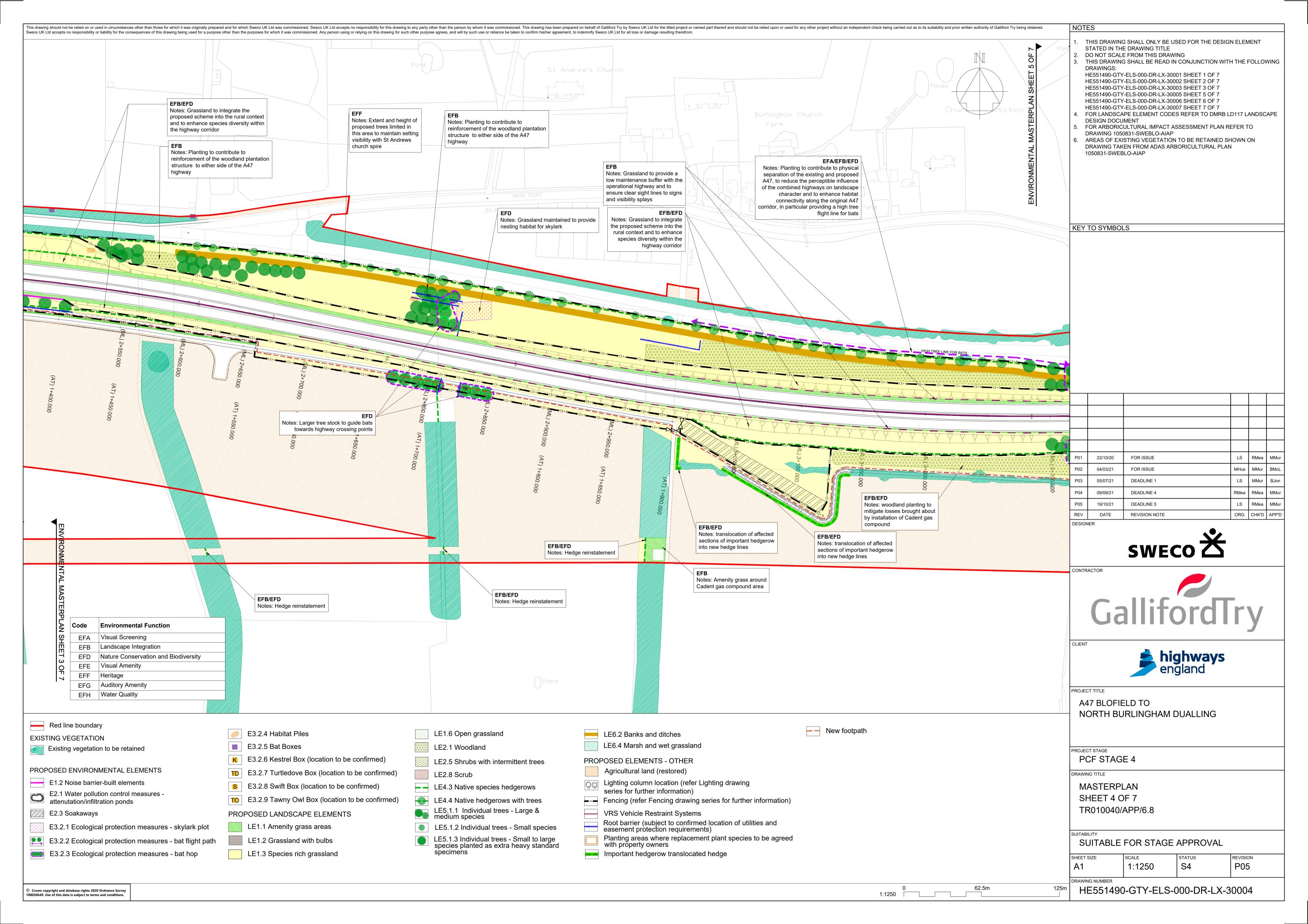
DEADLINE 5, REV 3

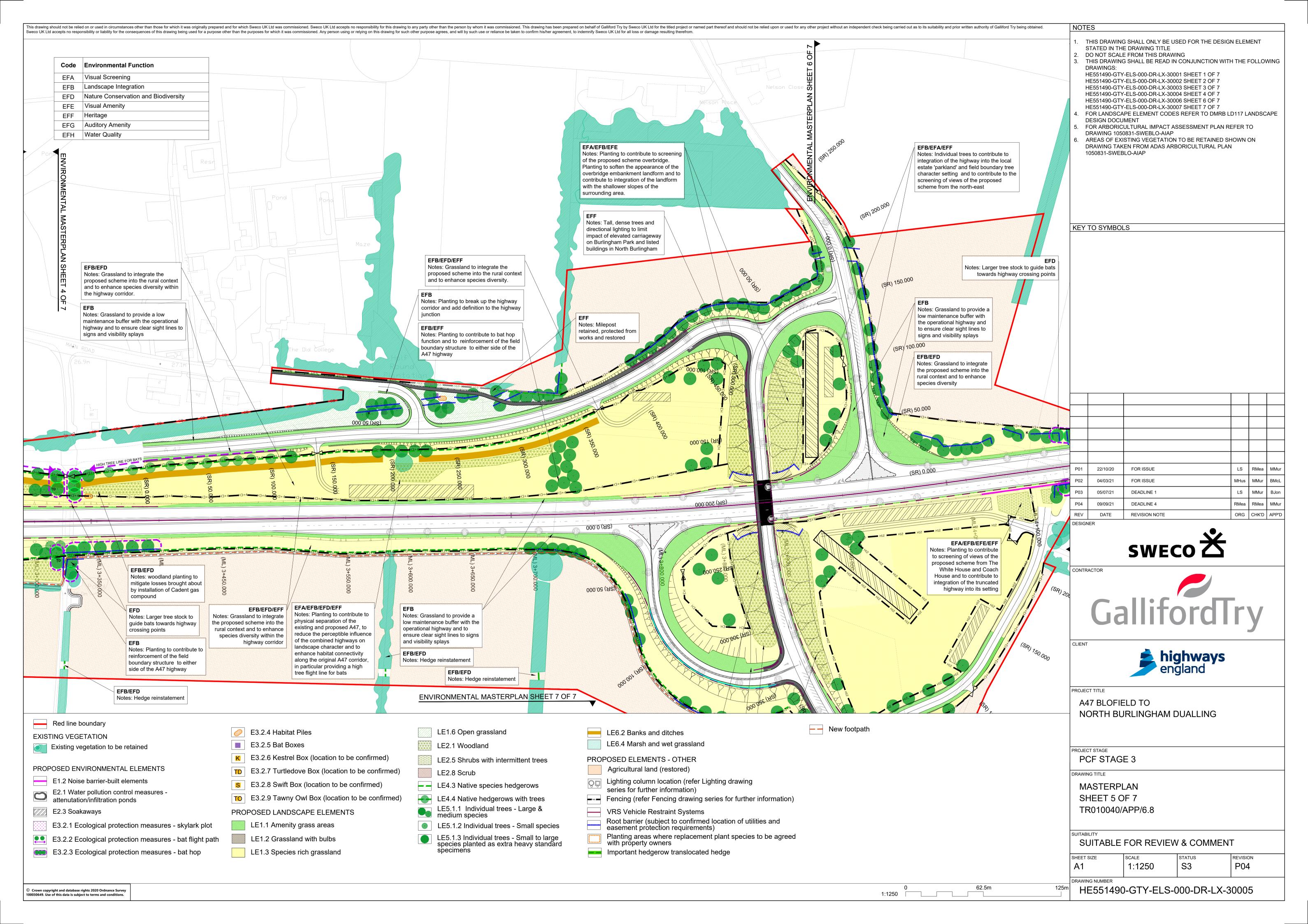
 Correction to sheet 4 to remove the proposed loss of woodland adjacent to the proposed Cadent Block Valve.

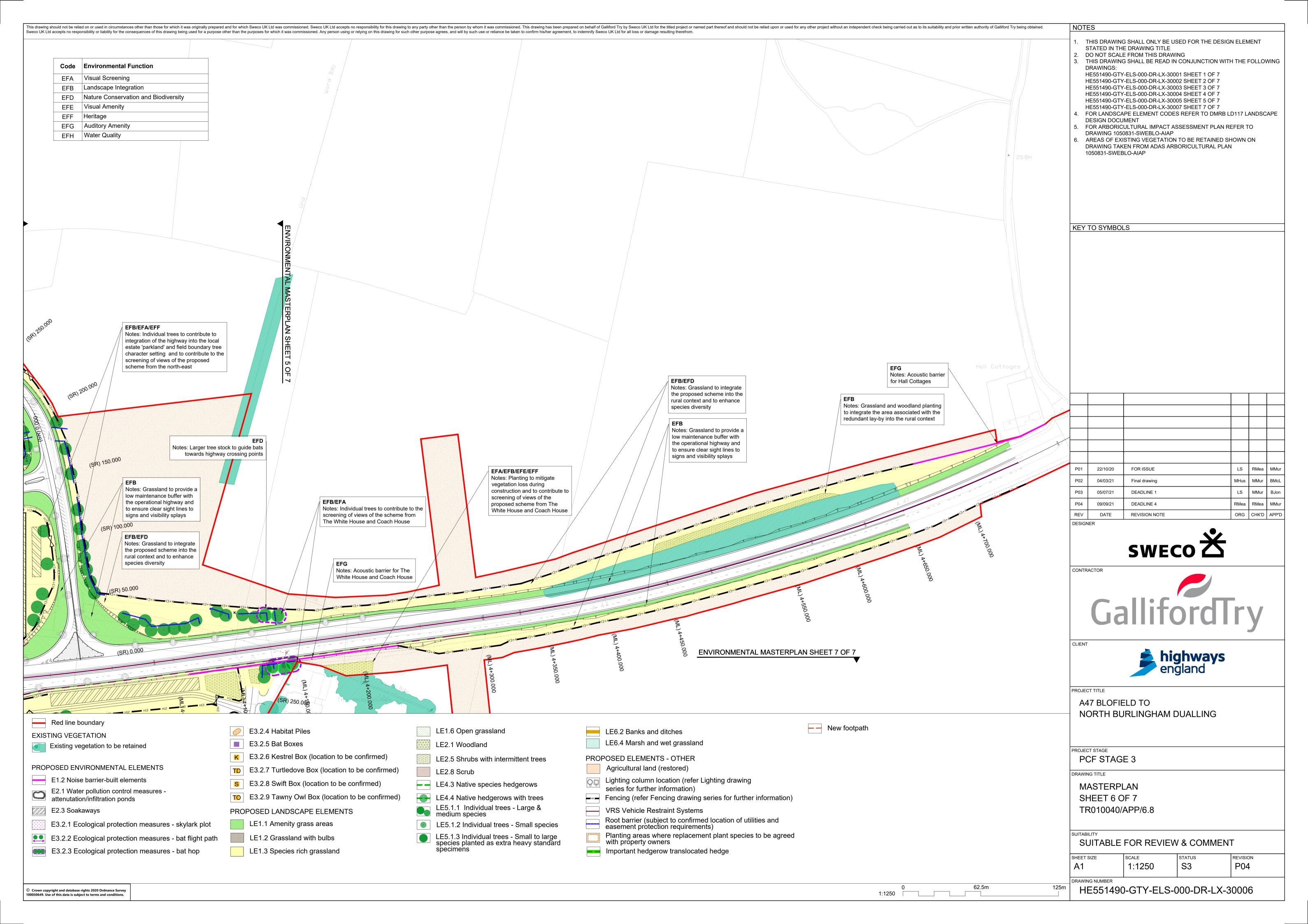


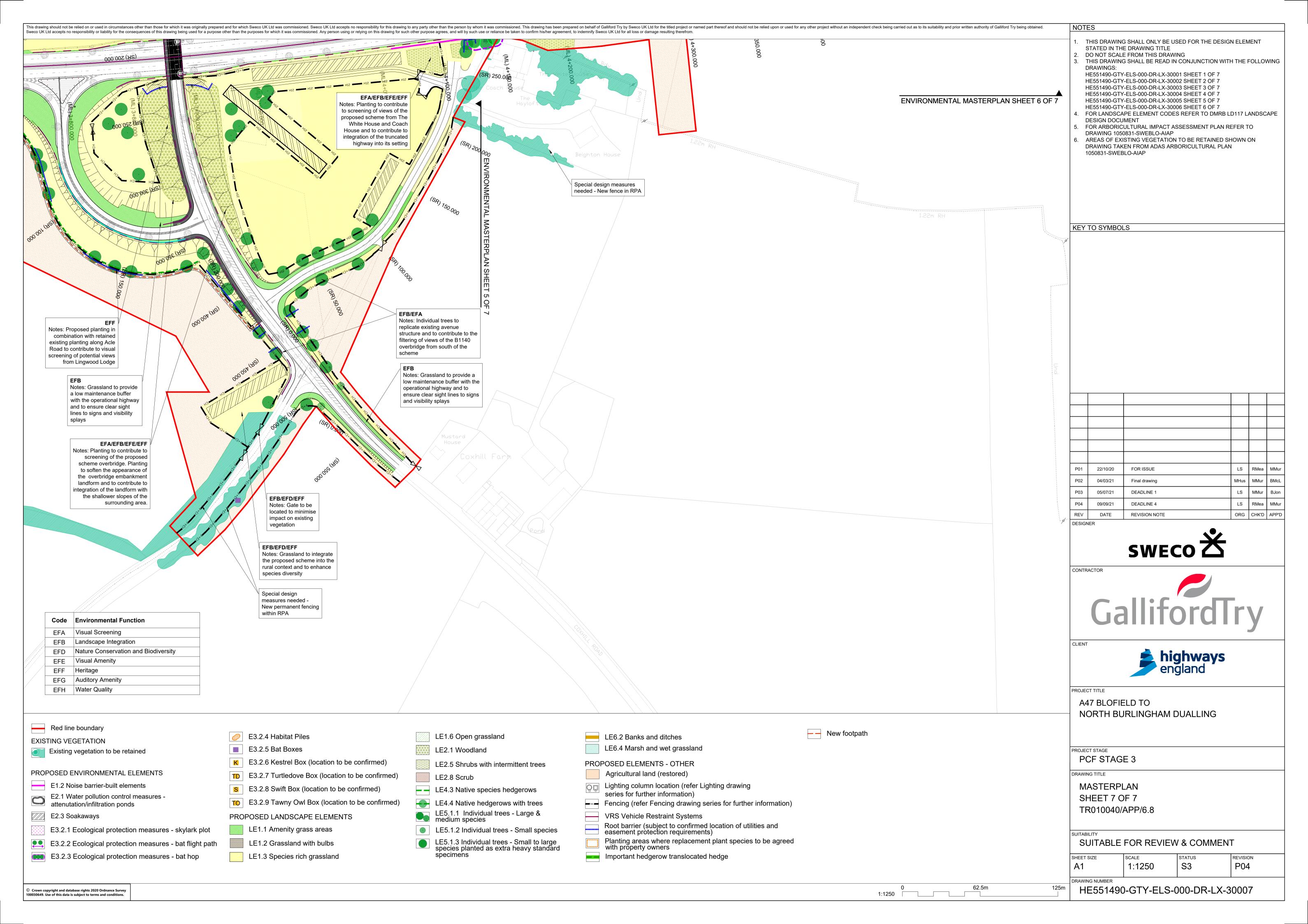


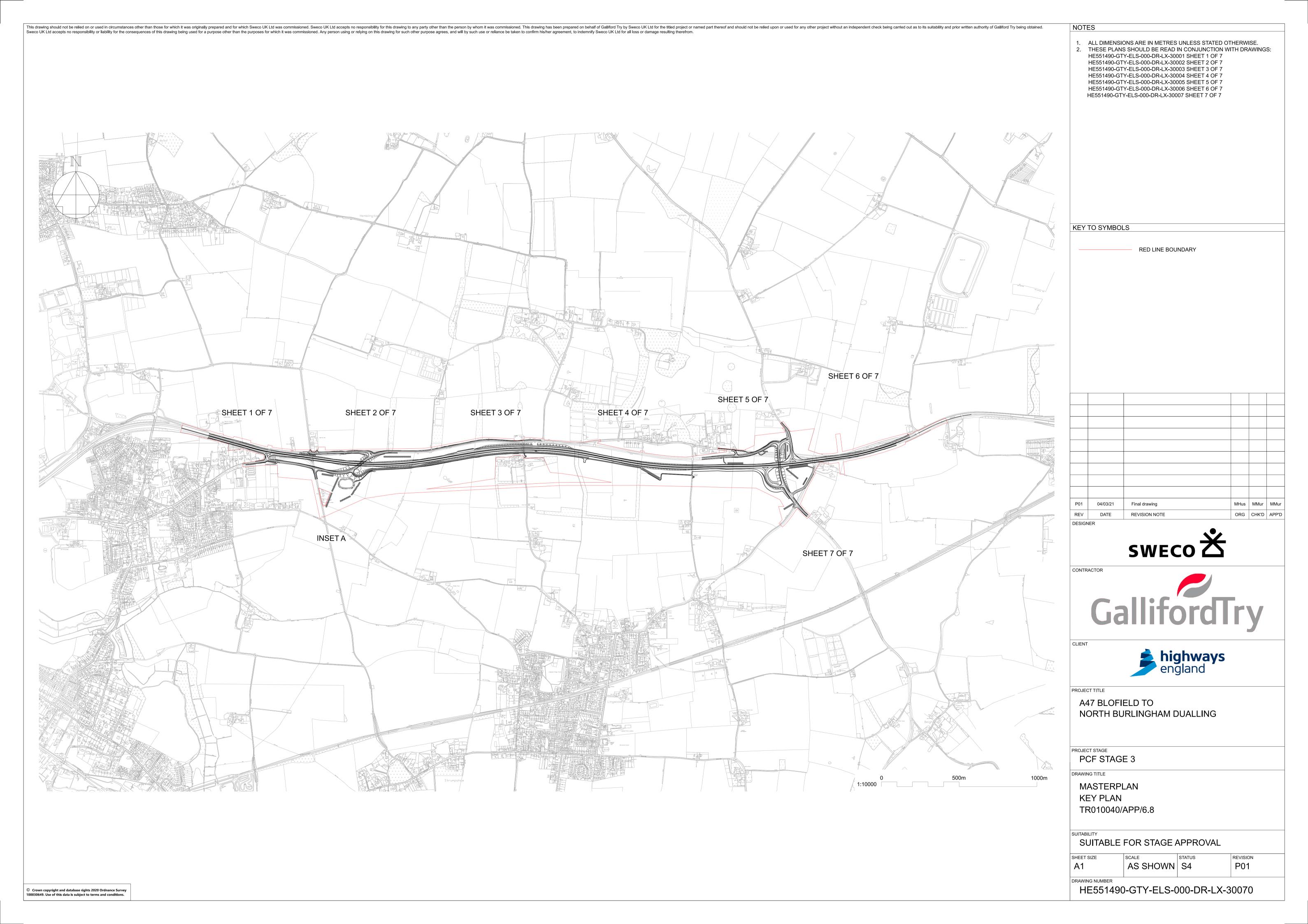












LE 1.1 Amenity Grass	_		Approx. Area:	LE 2.1 Woodland
Germinal A18 road verge and embankment Sowing rate:	S		39,377m2	Supply size 75% 1+1 450-600mm high transplant
On bare ground 35g/m2; Overseeding rate Species Latin Name Agrostis castellana	on thin areas 20g/m2 Common Name Highland browntop bentgrass	% of mix		15% 1.5-1.8m feathered trees 10% 8-10cm girth standard trees Plant Spacing
Festuca rubra subsp. commutata	Highnote chewing's fescue	10		Transplants at 2m centres
Festuca rubra rubra ∟olium perenne	Corail strong creeping Red fescue Calico perennial ryegrass	40 12.5		Feathered and standards trees at 4m Plant Grouping
Lolium perenne Poa pratensis	Zurich perennial ryegrass Tetris smooth stalked meadow grass	10 20		Transplants in single species groups Feathered trees and standards in sin
Trifolium repens	Aberace (small) w clover	2.5		Under-seeded with
LE 1.2 Grassland and bulbs Pheonix - Reclamation Grass Seed Mix nor	n-Ryegrass)		Approx. Area: 284m2	LE 1.3 Species Rich Grassland - Ger Species Latin Name
Sowing rate: On bare ground 30g/m2; Overseeding rate	on thin areas 10g/m2			Acer campestre Betula pendula
Species Latin Name	Common Name	% of mix		Cornus sanguinea Corylus avellana
Grasses (100%) Agrostis capillaris	Browntop bentgrass	6	_	Crataegus monogyna
Festuca rubrasubsp. commutata Festuca rubra rubra	Chewing's fescue Strong creeping red fescue	20 35	-	llex aquifolium Ligustrum vulgare
Festuca rubra ssp. Litoralis Lotus corniculatus	Slender creeping red fescue Bird's-foot trefoil	15 4		Prunus avium Prunus Spinosa
Trifolium repens	Small leaved white clover	3	_	Quercus robur
Festuca ovina Poa pratensis	Hard fescue Smooth-stalked meadow-grass	7	-	LE 2.5. Shrubs with intermittent tre
Bulbs (100%)		100]	Supply size
Narcissus pseudonarcissus LE 1.3 Species Rich Grassland	Wild daffodil	100	Approx. Area:	90% 1+1 450-600mm high transplant 5% 1.5-1.8m feathered trees
Germinal WFG4 Neutral soils			262,835m2	5% 8-10cm girth standard trees
Sowing rate: 5g/m2				Plant Spacing Transplants at 2m centres
Note: LE 2.1, LE2.5 and LE 2.8 are to be ur	nder-seeded with this mix. To avoid double o	•		Feathered and standard trees at 4m
approximate area given for LE 1.3 does no Species Latin Name	t include areas that are seeded and planted. Common Name	% of mix		Plant Grouping Transplants in single species groups
Achillea millefolium	Yarrow	70 OI IIIX		Feathered trees and standards in sin
Centaurea nigra Cynosurus cristatus	Common knapweed Crested dogstail	1 20		Under-seeded with LE 1.3 Species Rich Grassland - Ger
estuca arundinacea	Tall fescue	10		Species Latin Name
Festuca rubra litoralis Festuca rubra rubra	Sleder creeping red fescue Strong creeping red fescue	25 20	\dashv	Acer campestre Cornus sanguinea
Galium verum	Lady's bedstraw	1.2		Corylus avellana
Geranium molle _eucanthemum vulgare	Doves foot cranesbill oxeye daisy	0.3 1.5		Betula pendula Crataegus monogyna
Linum usitatissimum Lotus corniculatus	Flax Leo lotus corniculatus birdsfotts trefoil	1.4 0.5		llex aquifolium
_ychnis flos cuculi	Ragged robin	0.1		Prunus avium Prunus Spinosa
Medicago lupulina Onobrychis vicifolia	Black medick Sainfoin	5	\dashv	Quercus robur Salix cinerea
Phleum bertolonii Plantago lanceolata	Teno Ribwort plantain	5 2.4		LE 2.8 Scrub
Prunella vulgaris	Self heal	1		Supply size
Rhinanthus minor Sanguisorba minor	Yellow rattle Salad burnet	0.8 1.8	-	1+1 450-600mm high transplants Plant Spacing
Scabiosa columbaria	Small scabious	0.3		Plant in groups at 1-3m centres
Silene latifolia	White campion Common vetch	0.5	\dashv	Plant grouping Plant all species in single species of
√icia sativa		•	Approx. Area:	Under-seeded with
LE 1.6 Open Grassland				LE 1.3 Species Rich Grassland - Ger
LE 1.6 Open Grassland Emorsgate EG1 - general purpose meadov	v grass mixture		5,796m2	
LE 1.6 Open Grassland Emorsgate EG1 - general purpose meadov Sowing Rate: 5g/m2		% of mix	5,796m2	Species Latin Name Crataegus monogyna
LE 1.6 Open Grassland Emorsgate EG1 - general purpose meadov Sowing Rate: 5g/m2 Species Latin Name Agrostis capillaris	Common Name Common bent	% of mix	5,796m2	Crataegus monogyna Prunus spinosa
LE 1.6 Open Grassland Emorsgate EG1 - general purpose meadov Sowing Rate: 5g/m2 Species Latin Name Agrostis capillaris Cynosurus cristatus	Common Name Common bent Crested dogstail	10 35	5,796m2	Crataegus monogyna
LE 1.6 Open Grassland Emorsgate EG1 - general purpose meadov Sowing Rate: Eg/m2 Species Latin Name Agrostis capillaris Cynosurus cristatus Festuca rubra Phleum bertolonii	Common Name Common bent Crested dogstail Slender-creeping red-fescue Smaller cat's-tail	10 35 30 5	5,796m2	Crataegus monogyna Prunus spinosa Sambucus nigra Rosa canina Rubus fruticosus
LE 1.6 Open Grassland Emorsgate EG1 - general purpose meadov Sowing Rate: Eg/m2 Species Latin Name Agrostis capillaris Cynosurus cristatus Eestuca rubra Phleum bertolonii	Common Name Common bent Crested dogstail Slender-creeping red-fescue	10 35 30		Crataegus monogyna Prunus spinosa Sambucus nigra Rosa canina
LE 1.6 Open Grassland Emorsgate EG1 - general purpose meadov Sowing Rate: 5g/m2 Species Latin Name Agrostis capillaris Cynosurus cristatus Festuca rubra Phleum bertolonii Poa pratensis LE 4.3 Native Species Hedgerow Supply size 1+1 450-600mm high transplants Plant Spacing Plant at 0.25m centres in double staggered Plant Grouping	Common Name Common bent Crested dogstail Slender-creeping red-fescue Smaller cat's-tail Smooth-stalked meadow-grass rows (0.3m offset between rows)	10 35 30 5	5,796m2 Approx length: 4,086 Linear m	Crataegus monogyna Prunus spinosa Sambucus nigra Rosa canina Rubus fruticosus Cornus sanguinea Corylus avellana LE 5.1.1 Individual trees -large and Supply size Mix of 8-10cm girth standard and 12-1
LE 1.6 Open Grassland Emorsgate EG1 - general purpose meadov Sowing Rate: 5g/m2 Species Latin Name Agrostis capillaris Cynosurus cristatus Festuca rubra Phleum bertolonii Poa pratensis LE 4.3 Native Species Hedgerow Supply size 1+1 450-600mm high transplants Plant Spacing Plant at 0.25m centres in double staggered Plant Grouping Plant all species in single species groups o	Common Name Common bent Crested dogstail Slender-creeping red-fescue Smaller cat's-tail Smooth-stalked meadow-grass rows (0.3m offset between rows)	10 35 30 5 20	Approx length:	Crataegus monogyna Prunus spinosa Sambucus nigra Rosa canina Rubus fruticosus Cornus sanguinea Corylus avellana LE 5.1.1 Individual trees -large and Supply size Mix of 8-10cm girth standard and 12-7 Species Latin Name Carpinus betulus
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Emorsgate EG1 - general purpose meadov Sowing Rate: 5g/m2 Species Latin Name Agrostis capillaris Cynosurus cristatus Festuca rubra Phleum bertolonii Poa pratensis LE 4.3 Native Species Hedgerow Supply size 1+1 450-600mm high transplants Plant Grouping Plant at 0.25m centres in double staggered Plant Grouping Plant all species in single species groups of Species Latin Name Acer campestre Cornus sanguinea Corylus avellana Crataegus monogyna Ilex aquifolium Prunus Spinosa Rosa avensis Rosa canina Sambucus nigra LE 4.4 Native Species Hedgerow With tre Planted with LE5.1.1 individual trees; to be the eavy standard trees in naturalistic groups Supply size 1+1 450-600mm high transplants Plant Spacing Plant Spacing Plant Grouping	Common Name Common bent Crested dogstail Slender-creeping red-fescue Smaller cat's-tail Smooth-stalked meadow-grass rows (0.3m offset between rows) f 5-7 Common Name Field maple Dogwood Hazel Hawthorn Holly Blackthorn Field rose Dog rose Elder rees planted as mix of 8-10cm girth standards an as per drawing, spacing no less then 5m.	10 35 30 5 20 % of mix 10 5 25 30 10 5 5	Approx length: 4,086 Linear m	Crataegus monogyna Prunus spinosa Sambucus nigra Rosa canina Rubus fruticosus Cornus sanguinea Corylus avellana LE 5.1.1 Individual trees -large and Supply size Mix of 8-10cm girth standard and 12- Species Latin Name Carpinus betulus Fagus sylvatica Populus nigra Prunus avium Quercus robur Salix alba Salix cinerea LE 5.1.2 Individual Trees - small sysupply size Mix of 8-10cm girth standard and 12- Species Latin Name Acer campestre Betula Pendula Crataegus monogyna Malus Sylvestris LE 5.1.3 Individual trees - small to specimens
Emorsgate EG1 - general purpose meadov Sowing Rate: 5g/m2 Species Latin Name Agrostis capillaris Cynosurus cristatus Festuca rubra Phleum bertolonii Poa pratensis LE 4.3 Native Species Hedgerow Supply size 1+1 450-600mm high transplants Plant Spacing Plant at 0.25m centres in double staggered Plant Grouping Plant all species in single species groups of Species Latin Name Acer campestre Cornus sanguinea Corylus avellana Crataegus monogyna Ilex aquifolium Prunus Spinosa Rosa avensis Rosa canina Sambucus nigra LE 4.4 Native Species Hedgerow With treplanted with LE5.1.1 individual trees; to be the eavy standard trees in naturalistic groups Supply size 1+1 450-600mm high transplants Plant Spacing Plant Spacing Plant at 0.25m centres in double staggered Plant Grouping Plant all species in single species groups of	Common Name Common bent Crested dogstail Slender-creeping red-fescue Smaller cat's-tail Smooth-stalked meadow-grass rows (0.3m offset between rows) f 5-7 Common Name Field maple Dogwood Hazel Hawthorn Holly Blackthorn Field rose Dog rose Elder rees planted as mix of 8-10cm girth standards an as per drawing, spacing no less then 5m. rows (0.3m offset between rows) f 5-7	10 35 30 5 20 % of mix 10 5 25 30 10 5 5	Approx length: 4,086 Linear m	Crataegus monogyna Prunus spinosa Sambucus nigra Rosa canina Rubus fruticosus Cornus sanguinea Corylus avellana LE 5.1.1 Individual trees -large and Supply size Mix of 8-10cm girth standard and 12- Species Latin Name Carpinus betulus Fagus sylvatica Populus nigra Prunus avium Quercus robur Salix alba Salix cinerea LE 5.1.2 Individual Trees - small sysupply size Mix of 8-10cm girth standard and 12- Species Latin Name Acer campestre Betula Pendula Crataegus monogyna Malus Sylvestris LE 5.1.3 Individual trees - small to
Emorsgate EG1 - general purpose meadov Sowing Rate: 5g/m2 Species Latin Name Agrostis capillaris Cynosurus cristatus Festuca rubra Phleum bertolonii Poa pratensis LE 4.3 Native Species Hedgerow Supply size 1+1 450-600mm high transplants Plant Grouping Plant all species in single species groups of Species Latin Name Acer campestre Cornus sanguinea Corylus avellana Crataegus monogyna llex aquifolium Prunus Spinosa Rosa avensis Rosa canina Sambucus nigra LE 4.4 Native Species Hedgerow With tre Planted with LE5.1.1 individual trees; to be neavy standard trees in naturalistic groups Supply size 1+1 450-600mm high transplants Plant Spacing Plant Spacing Plant Spacing Plant Spacing Plant Grouping Plant Grouping Plant Grouping Plant all species in single species groups of Species Latin Name	Common Name Common bent Crested dogstail Slender-creeping red-fescue Smaller cat's-tail Smooth-stalked meadow-grass rows (0.3m offset between rows) f 5-7 Common Name Field maple Dogwood Hazel Hawthorn Holly Blackthorn Field rose Dog rose Elder rees planted as mix of 8-10cm girth standards an as per drawing, spacing no less then 5m. rows (0.3m offset between rows) f 5-7 Common Name	10 35 30 5 20 % of mix 10 5 25 30 10 5 5 5 5	Approx length: 4,086 Linear m	Crataegus monogyna Prunus spinosa Sambucus nigra Rosa canina Rubus fruticosus Cornus sanguinea Corylus avellana LE 5.1.1 Individual trees -large and Supply size Mix of 8-10cm girth standard and 12- Species Latin Name Carpinus betulus Fagus sylvatica Populus nigra Prunus avium Quercus robur Salix alba Salix cinerea LE 5.1.2 Individual Trees - small si Supply size Mix of 8-10cm girth standard and 12- Species Latin Name Acer campestre Betula Pendula Crataegus monogyna Malus Sylvestris LE 5.1.3 Individual trees - small to specimens Supply size 16-18cm extra heavy standard trees Species Latin Name
Enclose Grassland Emorsgate EG1 - general purpose meadov Sowing Rate: 5g/m2 Species Latin Name Agrostis capillaris Cynosurus cristatus Festuca rubra Phleum bertolonii Poa pratensis LE 4.3 Native Species Hedgerow Supply size 1+1 450-600mm high transplants Plant Spacing Plant at 0.25m centres in double staggered Plant Grouping Plant all species in single species groups of Species Latin Name Acer campestre Cornus sanguinea Corylus avellana Crataegus monogyna Ilex aquifolium Prunus Spinosa Rosa avensis Rosa canina Sambucus nigra LE 4.4 Native Species Hedgerow With tre Planted with LE5.1.1 individual trees; to be meavy standard trees in naturalistic groups Supply size 1+1 450-600mm high transplants Plant Spacing Plant at 0.25m centres in double staggered Plant Grouping Plant all species in single species groups of Species Latin Name Acer campestre	Common Name Common bent Crested dogstail Slender-creeping red-fescue Smaller cat's-tail Smooth-stalked meadow-grass rows (0.3m offset between rows) f 5-7 Common Name Field maple Dogwood Hazel Hawthorn Holly Blackthorn Field rose Dog rose Elder rees planted as mix of 8-10cm girth standards an as per drawing, spacing no less then 5m. rows (0.3m offset between rows) f 5-7	10 35 30 5 20 % of mix 10 5 25 30 10 5 5 5	Approx length: 4,086 Linear m	Crataegus monogyna Prunus spinosa Sambucus nigra Rosa canina Rubus fruticosus Cornus sanguinea Corylus avellana LE 5.1.1 Individual trees -large and Supply size Mix of 8-10cm girth standard and 12- Species Latin Name Carpinus betulus Fagus sylvatica Populus nigra Prunus avium Quercus robur Salix alba Salix cinerea LE 5.1.2 Individual Trees - small sy Supply size Mix of 8-10cm girth standard and 12- Species Latin Name Acer campestre Betula Pendula Crataegus monogyna Malus Sylvestris LE 5.1.3 Individual trees - small to specimens Supply size 16-18cm extra heavy standard trees Species Latin Name Acer campestre
Enternational Emorsgate EG1 - general purpose meadov Sowing Rate: 5g/m2 Species Latin Name Agrostis capillaris Cynosurus cristatus Festuca rubra Phleum bertolonii Poa pratensis LE 4.3 Native Species Hedgerow Supply size 1+1 450-600mm high transplants Plant Spacing Plant at 0.25m centres in double staggered Plant Grouping Plant all species in single species groups of Species Latin Name Acer campestre Cornus sanguinea Corylus avellana Crataegus monogyna Ilex aquifolium Prunus Spinosa Rosa avensis Rosa avensis Rosa canina Sambucus nigra LE 4.4 Native Species Hedgerow With transplants Planted with LE5.1.1 individual trees; to be the preavy standard trees in naturalistic groups Supply size 1+1 450-600mm high transplants Plant Spacing Plant at 0.25m centres in double staggered Plant Grouping Plant all species in single species groups of Species Latin Name Acer campestre Cornus sanguinea Corylus avellana	Common Name Common bent Crested dogstail Slender-creeping red-fescue Smaller cat's-tail Smooth-stalked meadow-grass rows (0.3m offset between rows) f 5-7 Common Name Field maple Dogwood Hazel Hawthorn Holly Blackthorn Field rose Dog rose Elder rees planted as mix of 8-10cm girth standards an as per drawing, spacing no less then 5m. rows (0.3m offset between rows) f 5-7 Common Name Field maple Dogwood Hazel	10 35 30 5 20	Approx length: 4,086 Linear m	Crataegus monogyna Prunus spinosa Sambucus nigra Rosa canina Rubus fruticosus Cornus sanguinea Corylus avellana LE 5.1.1 Individual trees -large and Supply size Mix of 8-10cm girth standard and 12-7 Species Latin Name Carpinus betulus Fagus sylvatica Populus nigra Prunus avium Quercus robur Salix alba Salix cinerea LE 5.1.2 Individual Trees - small sp Supply size Mix of 8-10cm girth standard and 12-7 Species Latin Name Acer campestre Betula Pendula Crataegus monogyna Malus Sylvestris LE 5.1.3 Individual trees - small to specimens Supply size 16-18cm extra heavy standard trees Species Latin Name
Emorsgate EG1 - general purpose meadov Sowing Rate: 5g/m2 Species Latin Name Agrostis capillaris Cynosurus cristatus Festuca rubra Phleum bertolonii Poa pratensis LE 4.3 Native Species Hedgerow Supply size 1+1 450-600mm high transplants Plant Spacing Plant at 0.25m centres in double staggered Plant Grouping Plant all species in single species groups of Species Latin Name Acer campestre Cornus sanguinea Corylus avellana Crataegus monogyna Ilex aquifolium Prunus Spinosa Rosa avensis Rosa avensis Rosa canina Sambucus nigra LE 4.4 Native Species Hedgerow With treplanted with LE5.1.1 individual trees; to be meavy standard trees in naturalistic groups Supply size 1+1 450-600mm high transplants Plant Spacing Plant at 0.25m centres in double staggered Plant Grouping Plant all species in single species groups of Species Latin Name Acer campestre Cornus sanguinea Corylus avellana Crataegus monogyna Ilex aquifolium	Common Name Common bent Crested dogstail Slender-creeping red-fescue Smaller cat's-tail Smooth-stalked meadow-grass rows (0.3m offset between rows) f 5-7 Common Name Field maple Dogwood Hazel Hawthorn Holly Blackthorn Field rose Dog rose Elder rees planted as mix of 8-10cm girth standards an as per drawing, spacing no less then 5m. rows (0.3m offset between rows) f 5-7 Common Name Field maple Dogwood Hazel Hawthorn Field maple Dogwood Hazel Hawthorn Holly	10 35 30 5 20	Approx length: 4,086 Linear m	Crataegus monogyna Prunus spinosa Sambucus nigra Rosa canina Rubus fruticosus Cornus sanguinea Corylus avellana LE 5.1.1 Individual trees -large and Supply size Mix of 8-10cm girth standard and 12-7 Species Latin Name Carpinus betulus Fagus sylvatica Populus nigra Prunus avium Quercus robur Salix alba Salix cinerea LE 5.1.2 Individual Trees - small sp Supply size Mix of 8-10cm girth standard and 12-7 Species Latin Name Acer campestre Betula Pendula Crataegus monogyna Malus Sylvestris LE 5.1.3 Individual trees - small to specimens Supply size 16-18cm extra heavy standard trees Species Latin Name Acer campestre Betula Pendula Crataegus monogyna Fagus sylvatica
Enternational Emorsgate EG1 - general purpose meadov Sowing Rate: 5g/m2 Species Latin Name Agrostis capillaris Cynosurus cristatus Festuca rubra Phleum bertolonii Poa pratensis LE 4.3 Native Species Hedgerow Supply size 1+1 450-600mm high transplants Plant Spacing Plant at 0.25m centres in double staggered Plant Grouping Plant all species in single species groups of Species Latin Name Acer campestre Cornus sanguinea Corylus avellana Crataegus monogyna Ilex aquifolium Prunus Spinosa Rosa avensis Rosa avensis Rosa canina Sambucus nigra LE 4.4 Native Species Hedgerow With tense of the plant of the pl	Common Name Common bent Crested dogstail Slender-creeping red-fescue Smaller cat's-tail Smooth-stalked meadow-grass rows (0.3m offset between rows) f 5-7 Common Name Field maple Dogwood Hazel Hawthorn Holly Blackthorn Field rose Dog rose Elder rees planted as mix of 8-10cm girth standards an as per drawing, spacing no less then 5m. rows (0.3m offset between rows) f 5-7 Common Name Field maple Dogwood Hazel Hawthorn	10 35 30 5 20	Approx length: 4,086 Linear m	Crataegus monogyna Prunus spinosa Sambucus nigra Rosa canina Rubus fruticosus Cornus sanguinea Corylus avellana LE 5.1.1 Individual trees -large and Supply size Mix of 8-10cm girth standard and 12- Species Latin Name Carpinus betulus Fagus sylvatica Populus nigra Prunus avium Quercus robur Salix alba Salix cinerea LE 5.1.2 Individual Trees - small sp. Supply size Mix of 8-10cm girth standard and 12- Species Latin Name Acer campestre Betula Pendula Crataegus monogyna Malus Sylvestris LE 5.1.3 Individual trees - small to specimens Supply size 16-18cm extra heavy standard trees Species Latin Name Acer campestre Betula Pendula Crataegus monogyna Fagus sylvatica Pinus sylvestris Populus nigra
Enorsgate EG1 - general purpose meadow Sowing Rate: 5g/m2 Species Latin Name Agrostis capillaris Cynosurus cristatus Festuca rubra Phleum bertolonii Poa pratensis LE 4.3 Native Species Hedgerow Supply size 1+1 450-600mm high transplants Plant Spacing Plant at 0.25m centres in double staggered Plant Grouping Plant all species in single species groups of Species Latin Name Acer campestre Cornus sanguinea Corylus avellana Crataegus monogyna lex aquifolium Prunus Spinosa Rosa avensis Rosa canina Sambucus nigra LE 4.4 Native Species Hedgerow With treplanted with LE5.1.1 individual trees; to be neavy standard trees in naturalistic groups Supply size 1+1 450-600mm high transplants Plant Spacing Plant at 0.25m centres in double staggered Plant Spacing Plant at 0.25m centres in double staggered Plant Grouping Plant all species in single species groups of Species Latin Name Acer campestre Cornus sanguinea Corylus avellana Crataegus monogyna Ilex aquifolium Prunus Spinosa	Common Name Common bent Crested dogstail Slender-creeping red-fescue Smaller cat's-tail Smooth-stalked meadow-grass rows (0.3m offset between rows) f 5-7 Common Name Field maple Dogwood Hazel Hawthorn Holly Blackthorn Field rose Dog rose Elder rees planted as mix of 8-10cm girth standards an as per drawing, spacing no less then 5m. rows (0.3m offset between rows) f 5-7 Common Name Field maple Dogwood Hazel Hawthorn Holly Blackthorn Field maple Dogwood Hazel Hawthorn Holly Blackthorn	10 35 30 5 20	Approx length: 4,086 Linear m	Crataegus monogyna Prunus spinosa Sambucus nigra Rosa canina Rubus fruticosus Cornus sanguinea Corylus avellana LE 5.1.1 Individual trees -large and Supply size Mix of 8-10cm girth standard and 12-7 Species Latin Name Carpinus betulus Fagus sylvatica Populus nigra Prunus avium Quercus robur Salix alba Salix cinerea LE 5.1.2 Individual Trees - small sp Supply size Mix of 8-10cm girth standard and 12-7 Species Latin Name Acer campestre Betula Pendula Crataegus monogyna Malus Sylvestris LE 5.1.3 Individual trees - small to specimens Supply size 16-18cm extra heavy standard trees Species Latin Name Acer campestre Betula Pendula Crataegus monogyna Fagus sylvatica Pinus sylvestris

LE 2.1 Woodland		Approx. Area:	LE 6.2 Banks and ditches			Approx. area
Supply size		33,084m2	Emorsgate EP1 Pond Edge mixtu	re		7,152m2
75% 1+1 450-600mm high trans	plants		Sowing rate: 4g/m2			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
15% 1.5-1.8m feathered trees			Species Latin Name	Common Name	% of mix	
10% 8-10cm girth standard trees	3		Wildflowers (20%)	Common Name	/0 OI IIIX	
Plant Spacing			Achillea ptarmica	Sneezewort	1	
Transplants at 2m centres			Angelica sylvestris	Wild angelica	2.3	_
Feathered and standards trees a	t 4m centres		Caltha palustris	Marsh marigold	0.1	-
Plant Grouping			•			4
Transplants in single species gro	oups of 5-7		Eupatorium cannabinum	Hemp agrimony	0.6	_
Feathered trees and standards in			Filipendula ulmaria	Meadowsweet	3	
Under-seeded with	. cg.c c cp ccc g. cape c. c c		Geum rivale	Water avens	0.4	_
_E 1.3 Species Rich Grassland ·	- Germinal WEG4 Neutral soils		Hypericum tetrapterum	Square-stalked St john's wort	0.4	_
LE 1.0 Openies Mon Grassiana	Community of Neutral Sollo		Iris pseudacorus	Yellow Iris	4	_
Species Latin Name	Common Name	% of mix	Lotus pedunculatus	Greater birdsfoot trefoil	1	
Acer campestre	Field Maple	10	Lycopus europaeus	Gypsywort	0.8	
Betula pendula	Silver Birch	10	Lythrum salicaria	Purple loosestrife	0.6	
Cornus sanguinea	Dogwood	5	Mentha aquatica	Water mint	0.1	
Corylus avellana	Hazel	20	Pulicaria dysenterica	Common fleabane	0.1	
Crataegus monogyna	Hawthorn	20	Ranunculus acris	Meadow buttercup	2.5	_
llex aquifolium	Holly	5	Scrophularia auriculata	Water figwort	0.1	
Ligustrum vulgare	Wild Privet	5	Silene flos-cuculi	Ragged robin	1	
Prunus avium	Wild Cherry	5	Succisa pratensis	Devil's-bit scabious	1	
Prunus Spinosa	Blackthorn	10	Vicia cracca	Tufted vetch	0.4	
Quercus robur	Penduculate Oak	10	Grasses (80%)			
Quotous tobul	i chadodiate Oak	10	Agrostis capillaris	Common bent	10	
		Т	Alopecurus pratensis	Meadow foxtail	2	
LE 2.5. Shrubs with intermitter	<u>nt trees</u>	Appprox.Area:	Anthoxanthum odoratum	Sweet vernal-grass	2	
Supply size		3.564m2	Cypocurus cristatus	Croated degetail	32	

LE 2.5. Shrubs with intermitten	<u>it trees</u>		Appprox.Area:
Supply size			3,564m2
90% 1+1 450-600mm high transp	plants		
5% 1.5-1.8m feathered trees			
5% 8-10cm girth standard trees			
Plant Spacing			
Transplants at 2m centres			
Feathered and standard trees at	4m centres		
Plant Grouping			
Transplants in single species gro	ups of 5-7		
	single species groups 3-5		
Feathered trees and standards in	single species groups 3-5		
Feathered trees and standards in Under-seeded with			
Feathered trees and standards in Under-seeded with LE 1.3 Species Rich Grassland -	Germinal WFG4 Neutral soils	% of mix	
Feathered trees and standards in Under-seeded with LE 1.3 Species Rich Grassland - Species Latin Name	Germinal WFG4 Neutral soils Common Name	% of mix	_
Feathered trees and standards in Under-seeded with LE 1.3 Species Rich Grassland - Species Latin Name Acer campestre	Germinal WFG4 Neutral soils Common Name Field maple	5	
Feathered trees and standards in Under-seeded with LE 1.3 Species Rich Grassland - Species Latin Name Acer campestre Cornus sanguinea	Germinal WFG4 Neutral soils Common Name		-
Feathered trees and standards in Under-seeded with LE 1.3 Species Rich Grassland - Species Latin Name Acer campestre Cornus sanguinea Corylus avellana	Germinal WFG4 Neutral soils Common Name Field maple Dogwood	5 10	-
Feathered trees and standards in Under-seeded with LE 1.3 Species Rich Grassland - Species Latin Name Acer campestre Cornus sanguinea	Germinal WFG4 Neutral soils Common Name Field maple Dogwood Hazel	5 10 30	
Feathered trees and standards in Under-seeded with LE 1.3 Species Rich Grassland - Species Latin Name Acer campestre Cornus sanguinea Corylus avellana Betula pendula	Germinal WFG4 Neutral soils Common Name Field maple Dogwood Hazel Silver birch	5 10 30 2.5	
Feathered trees and standards in Under-seeded with LE 1.3 Species Rich Grassland - Species Latin Name Acer campestre Cornus sanguinea Corylus avellana Betula pendula Crataegus monogyna	Germinal WFG4 Neutral soils Common Name Field maple Dogwood Hazel Silver birch Hawthorn Holly	5 10 30 2.5 30	
Feathered trees and standards in Under-seeded with LE 1.3 Species Rich Grassland - Species Latin Name Acer campestre Cornus sanguinea Corylus avellana Betula pendula Crataegus monogyna Ilex aquifolium Prunus avium	Germinal WFG4 Neutral soils Common Name Field maple Dogwood Hazel Silver birch Hawthorn	5 10 30 2.5 30 2.5	
Feathered trees and standards in Under-seeded with LE 1.3 Species Rich Grassland - Species Latin Name Acer campestre Cornus sanguinea Corylus avellana Betula pendula Crataegus monogyna Ilex aquifolium	Germinal WFG4 Neutral soils Common Name Field maple Dogwood Hazel Silver birch Hawthorn Holly Wild cherry	5 10 30 2.5 30 2.5 5	

Supply size			133m2
1+1 450-600mm high transplants	3		
Plant Spacing			
Plant in groups at 1-3m centres			
Plant grouping			
Plant all species in single species	s of 3-5		
Under-seeded with			
LE 1.3 Species Rich Grassland -	Germinal WFG4 Neutral soils		
Consider Letter Name	Common Nama	0/ 05	
Species Latin Name	Common Name	% of mix	
Species Latin Name Crataegus monogyna	Common Name Hawthorn	% of mix 30	
•			
Crataegus monogyna	Hawthorn	30	
Crataegus monogyna Prunus spinosa	Hawthorn Blackthorn	30 7.5	
Crataegus monogyna Prunus spinosa Sambucus nigra	Hawthorn Blackthorn Elder	30 7.5 7.5	
Crataegus monogyna Prunus spinosa Sambucus nigra Rosa canina	Hawthorn Blackthorn Elder Dog rose	30 7.5 7.5 15	

LE 5.1.1 Individual trees -large and medium species Supply size			
Mix of 8-10cm girth standard and	12-14cm girth heavy standard trees		
Species Latin Name	Common Name		
Carpinus betulus	Hornbeam		
Fagus sylvatica	Beech		
Populus nigra	Poplars		
Prunus avium	Wild cherry		
Quercus robur	Pedunculate oak		
Salix alba	White willow		
Salix cinerea	Grey willow		
LE 5.1.2 Individual Trees - small species			
Supply size			
Mix of 8-10cm girth standard and	12-14cm girth heavy standard trees		
Species Latin Name	Common Name		
Acer campestre	Field maple		
Betula Pendula	Silver birch		
Crataegus monogyna	Hawthorn		
Malus Sylvestris	Common crab apple		
I F 5 1 3 Individual trees - smal	Il to large species planted as extra heavy	standard No. of trees:	
specimens	it to laige species plained as extra fieury	x77	
Supply size			

Common Name

Field maple

Silver birch

Hawthorn

Scots pine

Black poplar

Wild cherry

White willow

Grey willow

Oak

Beech

<u>LE 6.2 Banks and ditches</u> Emorsgate EP1 Pond Edge mixture Sowing rate: 4g/m2				
Species Latin Name	Common Name	% of mix		
Wildflowers (20%)	Common Name	76 OI IIIX	_	
· /	Choozowart	1	\dashv	
Achillea ptarmica	Sneezewort	2.3	_	
Angelica sylvestris	Wild angelica		_	
Caltha palustris	Marsh marigold	0.1	_	
Eupatorium cannabinum	Hemp agrimony	0.6	_	
Filipendula ulmaria	Meadowsweet	3		
Geum rivale	Water avens	<u>'</u>	_	
Hypericum tetrapterum	Square-stalked St john's wort Yellow Iris	0.4	_	
ris pseudacorus	Greater birdsfoot trefoil	4		
_otus pedunculatus		1	_	
Lycopus europaeus	Gypsywort	0.8	_	
Lythrum salicaria	Purple loosestrife	0.6	_	
Mentha aquatica	Water mint	0.1	_	
Pulicaria dysenterica	Common fleabane	0.1		
Ranunculus acris	Meadow buttercup	2.5		
Scrophularia auriculata	Water figwort	0.1		
Silene flos-cuculi	Ragged robin	1	_	
Succisa pratensis	Devil's-bit scabious	1	_	
Vicia cracca	Tufted vetch	0.4	_	
Grasses (80%)	To		_	
Agrostis capillaris	Common bent	10	_	
Alopecurus pratensis	Meadow foxtail	2		
Anthoxanthum odoratum	Sweet vernal-grass	2	_	
Cynosurus cristatus	Crested dogstail	32		
Dechampsia cespitosa	Tufted hair-grass	1		
Festuca rubra	slender-creeping red-fescue	24		
Hordeum secalinum	Meadow barley	1	_	
Schedonorus pratensis	Meadow fescue	6	_	
identified on site by an ecologist as Environmental Masterplan	species swathes at 0.5m centres within an extended contributing proportionate value to the mitigation	on objectives of the		
Species Latin Name	Common Name	% of mix		
Alisma plantago-aquatica	Water plantain	6.25		
Butomus umbellatus	Flowering rush	6.25		
Carex elata	Tufted sedge	6.25		
Glyceria maxima	Reed sweet-grass	6.25		
ris pseudacorus	Yellow flag iris	6.25		
Myosotis scorpioides	Water forget-me-not	6.25		
Veronica beccabunga	Brooklime	6.25		
	Marsh woundwort	6.25		
Stachys palustris		6.25	1	
, i	Marsh-marigold	0.25		
Caltha palustris	Marsh-marigold Hemp agrimony	6.25		
Caltha palustris Eupatorium cannabinum	•			
Caltha palustris Eupatorium cannabinum Allium ursinum	Hemp agrimony	6.25		
Caltha palustris Eupatorium cannabinum Allium ursinum Persicaria bistorta	Hemp agrimony Wild garlic	6.25 6.25		
Caltha palustris Eupatorium cannabinum Allium ursinum Persicaria bistorta Mentha aquatica	Hemp agrimony Wild garlic Common bistort	6.25 6.25 6.25		
Stachys palustris Caltha palustris Eupatorium cannabinum Allium ursinum Persicaria bistorta Mentha aquatica Ranunculus acris Geum rivale	Hemp agrimony Wild garlic Common bistort Water mint	6.25 6.25 6.25 6.25		

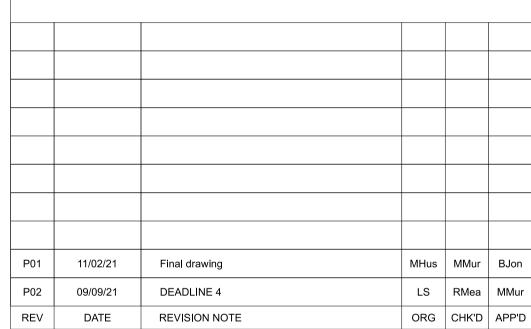
Carex riparia	Greater pond sedge	6.25	\dashv
Carex riparia	Creater portu seage	0.23	
LE 6.4 Marsh and wet grassland			Approx. ar
Emorsgate EP1 Pond Edge mixtur	re		4,505m2
Sowing rate: 4g/m2			
Species Latin Name	Common Name	% of mix	
Wildflowers (20%)	·		
Achillea ptarmica	Sneezewort	1	
Angelica sylvestris	Wild angelica	2.3	
Caltha palustris	Marsh marigold	0.1	
Eupatorium cannabinum	Hemp agrimony	0.6	
Filipendula ulmaria	Meadowsweet	3	
Geum rivale	Water avens	1	
Hypericum tetrapterum	Square-stalked St john's wort	0.4	
Iris pseudacorus	Yellow iris	4	
Lotus pedunculatus	Greater birdsfoot rrefoil	1	
Lycopus europaeus	Gypsywort	0.8	
Lythrum salicaria	Purple loosestrife	0.6	7
Mentha aquatica	Water mint	0.1	7
Pulicaria dysenterica	Common fleabane	0.1	
Ranunculus acris	Meadow buttercup	2.5	7
Scrophularia auriculata	Water figwort	0.1	7
Silene flos-cuculi	Ragged robin	1	
Succisa pratensis	Devil's-bit scabious	1	
Vicia cracca	Tufted vetch	0.4	
Grasses (80%)	, and total		7
Agrostis capillaris	Common bent	10	
Alopecurus pratensis	Meadow foxtail	2	_
Anthoxanthum odoratum	Sweet vernal-grass	2	
Cynosurus cristatus	Crested dogstail	32	_
Dechampsia cespitosa	Tufted hair-grass	1	7
Festuca rubra	Slender-creeping red-fescue	24	_
Hordeum secalinum	Meadow barley	1	7
Schedonorus pratensis	Meadow fescue	6	7
Plug plants	INICAGOW 100000		_
	e species swathes at 0.5m centres within an extension contributing proportionate value to the mitigation Common Name		
Carex elata	Tufted sedge	7	7
Carex pseudocyperus	-		┥
	Cyperus sedge	7	
	Cyperus sedge Reed sweet-grass	7 7	
Glyceria maxima	Reed sweet-grass	•	_
Glyceria maxima Iris pseudacorus	Reed sweet-grass Yellow flag Iris	7	
Glyceria maxima Iris pseudacorus Stachys palustris	Reed sweet-grass Yellow flag Iris Marsh woundwort	7 7	
Glyceria maxima Iris pseudacorus Stachys palustris Caltha palustris	Reed sweet-grass Yellow flag Iris	7 7 7	
Glyceria maxima Iris pseudacorus Stachys palustris Caltha palustris Typha latifolia	Reed sweet-grass Yellow flag Iris Marsh woundwort Marsh marigold Great reedmace	7 7 7 7 8	
Glyceria maxima Iris pseudacorus Stachys palustris Caltha palustris Typha latifolia Eupatorium cannabinum	Reed sweet-grass Yellow flag Iris Marsh woundwort Marsh marigold Great reedmace Hemp agrimony	7 7 7 7 8 7	
Glyceria maxima Iris pseudacorus Stachys palustris Caltha palustris Typha latifolia Eupatorium cannabinum Allium ursinum	Reed sweet-grass Yellow flag Iris Marsh woundwort Marsh marigold Great reedmace Hemp agrimony Wild garlic	7 7 7 8 7 7	
Glyceria maxima Iris pseudacorus Stachys palustris Caltha palustris Typha latifolia Eupatorium cannabinum Allium ursinum Persicaria bistorta	Reed sweet-grass Yellow flag Iris Marsh woundwort Marsh marigold Great reedmace Hemp agrimony Wild garlic Common bistort	7 7 7 7 8 7 7 7	
Glyceria maxima Iris pseudacorus Stachys palustris Caltha palustris Typha latifolia Eupatorium cannabinum Allium ursinum Persicaria bistorta Epilobium hirsutum	Reed sweet-grass Yellow flag Iris Marsh woundwort Marsh marigold Great reedmace Hemp agrimony Wild garlic Common bistort Great willowherb	7 7 7 8 7 7 7 7	
Glyceria maxima Iris pseudacorus Stachys palustris Caltha palustris Typha latifolia Eupatorium cannabinum Allium ursinum Persicaria bistorta	Reed sweet-grass Yellow flag Iris Marsh woundwort Marsh marigold Great reedmace Hemp agrimony Wild garlic Common bistort	7 7 7 7 8 7 7 7	

NOTES

- 1. THIS DRAWING SHALL ONLY BE USED FOR THE DESIGN ELEMENT
- STATED IN THE DRAWING TITLE.
- 2. DO NOT SCALE FROM THIS DRAWING 3. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE FOLLOWING HE551490-GTY-ELS-000-DR-LX-30001 SHEET 1 OF 7
- HE551490-GTY-ELS-000-DR-LX-30002 SHEET 2 OF 7 HE551490-GTY-ELS-000-DR-LX-30003 SHEET 3 OF 7 HE551490-GTY-ELS-000-DR-LX-30004 SHEET 4 OF 7 HE551490-GTY-ELS-000-DR-LX-30005 SHEET 5 OF 7
- HE551490-GTY-ELS-000-DR-LX-30007 SHEET 7 OF 7 4. FOR LANDSCAPE ELEMENT CODES REFER TO DMRB LD117 LANDSCAPE DESIGN DOCUMENT.

HE551490-GTY-ELS-000-DR-LX-30006 SHEET 6 OF 7

KEY TO SYMBOLS



DESIGNER



CONTRACTOR





PROJECT TITLE

A47 BLOFIELD TO NORTH BURLINGHAM DUALLING

PROJECT STAGE PCF STAGE 3

DRAWING TITLE

MASTERPLAN SCHEDULE OF PLANTS INDICATIVE LIST

TR010040/APP/6.8

SUITABLE FOR REVIEW & COMMENT

P02 N/A S3 A1 HE551490-GTY-ELS-000-DR-LX-30101