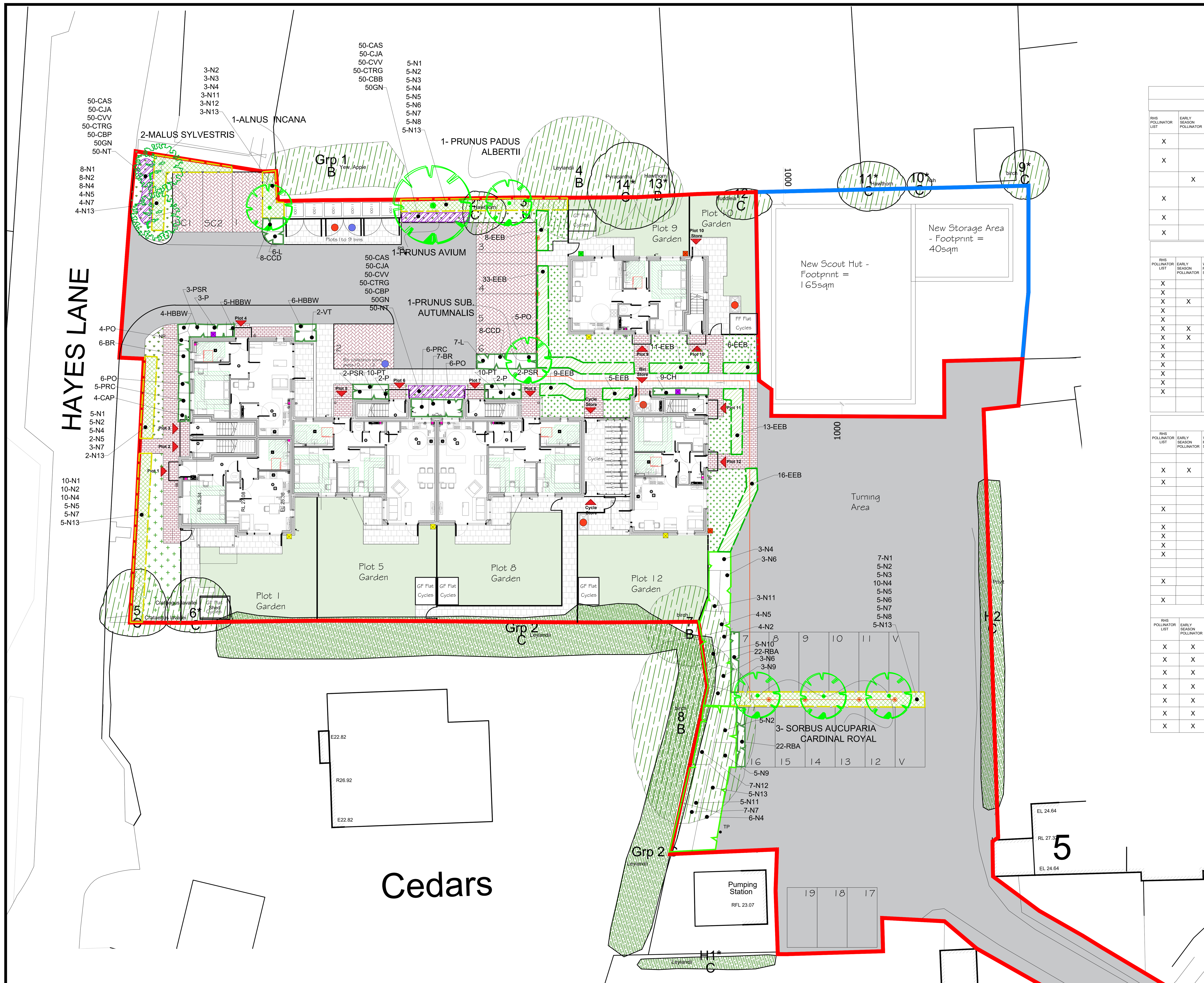


LEGEND

EXISTING TREES TO BE RETAINED

EXISTING HEDGE TO BE RETAINED

PROPOSED STANDARD TREES 7 TREES, 5 SPECIES, 4 NATIVE.

PROPOSED HEAVY STANDARD TREES 2 TREES, 1 SPECIES, 1 NATIVE.

PROPOSED SHRUBS 39M2. 75% selected from RHS lists 'Plants for Pollinators'.

PROPOSED ORNAMENTAL HEDGE 43M selected from RHS lists 'Plants for Pollinators'

PROPOSED NATIVE HEDGE 67M, 12 native species

PROPOSED NATIVE SHRUBS 61M2, 13 native species.

WELL MAINTAINED AREA LAID WITH TOP QUALITY MEADOW TURF OR SEEDED WITH EMORSGATE EG22 AS APPROPRIATE. 4 species.

AREA SOWN WITH EMORSGATE EM2 WILDFLOWER AND GRASS MIXTURE. 38M2, 20 species.

6 BACK GARDENS providing areas of private open space to be planted by occupiers. It is estimated that each garden will have at least 20 different plants growing in it which will all be of benefit to wild life.

SPRING BULBS IN GRASS 16.5M2 7 species, early flowers for pollinators.

PLANT SCHEDULE

TREES ALL TO BE CONTAINER GROWN

RHS POLLINATOR LIST	EARLY SEASON POLLINATOR	WILDLIFE FOOD SOURCE	NATIVE	LATIN NAME	COMMON NAME			MAT. HGT..
X			X	ALNUS INCANA	GREY ALDER	2.7-3.0m HIGH	STD. 8-10CM GIRTH 45L	18m
X		X	X	MALUS SYLVESTRIS	CRAB APPLE	3.5-4m HIGH	HVY STD. 12-14CM GIRTH 80L	8m
	X			PRUNUS SUBHIRTELLA AUTUMNALIS	WINTER CHERRY	2.7-3.0m HIGH	STD. 8-10CM GIRTH 45L	7m
X		X	X	PRUNUS PADUS ALBERTII	BIRD CHERRY	2.7-3.0m HIGH	STD. 8-10CM GIRTH 45L	10m
X		X	X	PRUNUS AVIUM	GEAN	2.7-3.0m HIGH	STD. 8-10CM GIRTH 45L	17m
X		X	X	SORBUS AUCUPARIA	ROWAN	2.7-3.0m HIGH	STD. 8-10CM GIRTH 45L	11m

NATIVE PLANTING

RHS POLLINATOR LIST	EARLY SEASON POLLINATOR	WILDLIFE FOOD SOURCE	NATIVE		LATIN NAME	PLTG HGT cm	POT VOL. L	DENSITY PER m2	HEDGE CENTRES mm
X			X	N1	ACER CAMPESTRE	45-60	B.R	1	600
X			X	N2	CORNUS SANGUINEA	45-60	B.R	1	600
X	X	X	X	N3	CORYLUS AVELLANA	45-60	B.R	1	600
X		X	X	N4	LIGUSTRUM VULGARE	45-60	B.R.	1	600
X		X	X	N5	ILEX AQUIFOLIUM	45-60	3L	1	600
X	X	X	X	N6	PRUNUS CERASUS	45-60	B.R	1	600
X	X	X	X	N7	PRUNUS DOMESTICA	45-60	B.R	1	600
X		X	X	N8	PRUNUS SPINOSA	45-60	B.R	1	600
X		X	X	N9	ROSA CANINA	45-60	B.R.	1	600
X		X	X	N10	RUBUS FRUTICOSUS	45-60	B.R	1	600
X		X	X	N11	SAMBUCUS NIGRA	45-60	B.R	1	600
X		X	X	N12	VIBURNUM LANTANA	45-60	B.R	1	600
X		X	X	N13	VIBURNUM OPULUS	45-60	B.R	1	600
					PLANT HEDGE IN A DOUBLE STAGGERED ROW, 600mm BETWEEN PLANTS AND 400mm BETWEEN ROWS. PLANT IN 2-5 OF ONE SPECIES.				

SHRUBS

RHS POLLINATOR LIST	EARLY SEASON POLLINATOR	WILDLIFE FOOD SOURCE	NATIVE		LATIN NAME	PLTG HGT cm	POT VOL. L	DENSITY PER m2	HEDGE CENTRES mm
					NEUTRAL				
X	X			HBBW	BERGENIA BRESSINGHAM WHITE	HERB.	2	6	
X		X		CCD	COTONEASTER CONSPICUUS DECORUS	30-45	3	4	
		X		CF	COTONEASTER HORIZONTALIS	30-45	3	4	
				CAP	CHOISYA AZTEC PEARL	45-60	5	3	
X				EEB	ELAEAGNUS EBBINGEI	90-120	10	1	450
				L	LONICERA LOUGHGALL EVERGREEN	20-30	3	5	
X		X		PO	PRUNUS OTTO LUYKEN	30-45	3	3	
X		X		PSR	PYRACANTHA SAPHYR RED	60-90	3	2	
X		X		PRC	PYRACANTHA RED CUSHION	45-60	3	3	
X				P	PHOTINIA RED ROBIN	45-60	3	2	
				PT	PACHYSANDRA TERMINALIS	10-20	2	6	
				RBA	RUBUS BETTY ASHBURNER	10-20	2	6	
X		X		VT	VIBURNUM TINUS EVE PRICE	45-60	3	2	
					PINK/PURPLE/BLUE				
X		X		BR	BERBERIS RED CHIEF	30-45	3	4	

BULBS

RHS POLLINATOR LIST	EARLY SEASON POLLINATOR	WILDLIFE FOOD SOURCE	NATIVE		LATIN NAME	SIZE	DENSITY PER m2
X	X			CAS	CROCUS ARD SCHENK	5cm	50
X	X			CJA	CROCUS JOAN OF ARC	9-10cm	50
X	X			CVV	CROCUS VERNUS VANGUARD	7cm+	50
X	X			CTRG	CROCUS TOMMASINANUS RUBY GIANT	5cm	50
X	X			CBP	CROCUS BLUE PEARL	5cm	50
X	X		X	GN	GALANTHUS NIVALIS	4cm+	50
X	X			NT	NARCISSUS TOTO	9cm	25

0 5 10 metres

NOTES

1. TO BE READ IN CONJUNCTION WITH THE STANDARD SPECIFICATION.
2. ALL WORK TO BE CARRIED OUT TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT AND IN ACCORDANCE WITH THE RELEVANT CURRENT BRITISH STANDARDS.
3. NO PLANTING POSITION SHALL BE ALTERED WITHOUT THE APPROVAL OF THE LOCAL PLANNING AUTHORITY AND LANDSCAPE ARCHITECT.
4. LANDSCAPE AREAS SHALL BE TOP SOILED TO THE FOLLOWING MINIMUM DEPTHS GRASSED AREAS - 150mm. SHRUB AREAS - 450mm. TREE PITS 1000 X 1000 X 600mm. ALL TOPSOIL TO BS3882 GENERAL GRADE. TOP SOILED AREAS TO BE CULTIVATED BY HAND OR MACHINE PRIOR TO PLANTING WITH MINIMUM COMPACTION BY MACHINES.TREE PITS SHALL INCORPORATE TREE FERTILIZER TO MANUFACTURERS SPECIFICATION.
5. ALL SOFT LANDSCAPED AREAS SHALL BE PROTECTED FROM COMPACTION ASSOCIATED WITH DEVELOPMENT, IN ACCORDANCE WITH B.S 5837 (PART 6.2.2). IF COMPACTION HAS OCCURRED SOIL SHALL BE RIPPED TO A SUFFICIENT LEVEL TO BREAK ANY SUBSOIL PAN BEFORE CULTIVATION. FOR INDIVIDUAL TREES DECOMPACTION WITHIN RESTRICTED AREAS SHALL BE ACHIEVED BY THROUGH EXCAVATION OF A MINIMUM TREE PIT 400mm DEEP BY 4m2 AND LOOSENING THE SUBSOIL LAYER FOR A FURTHER 300-450mm. THE PIT SHALL THEN BE REFILLED WITH NEW TOP GRADE TOP SOIL AS ABOVE.
6. ALL TREES SHALL BE SECURED WITH BIODEGRADABLE TIES ('NATURE TIE' FROM TOMS TREE TIES- TEL: 01233 770066 OR SIMILAR FITTED WITH PADS/SPACERS BETWEEN TREE AND POST AND SECURED 50cm BELOW THE TOP OF THE POST WITH STAPLES, AS MANUFACTURERS INSTRUCTIONS) TO TWO STAKES THAT EXTENDS 1m ABOVE THE GROUND LEVEL. STAKES SHALL EXTEND AT LEAST 450mm INTO GROUND. STAKES SHALL BE REMOVED AT BETWEEN THREE TO FIVE YEARS, WHEN TREES ARE ESTABLISHED. EACH NEW TREE PIT SHALL INCORPORATE A SEEP HOSE SYSTEM TO FACILITATE A HOSE BEING INSERTED TO AVOID UNNECESSARY WATER LOSS. ALL TREES PLANTED IN GRASS SHALL BE FITTED WITH MOWER/STRIMMER GUARDS.
7. ALL PROPOSED NATIVE TREES AND SHRUBS SHALL WHERE POSSIBLE BE OBTAINED WITH LOCAL PROVENANCE.
8. ALL PLANT MATERIAL PROCEDURES ARE TO CONFORM TO THE RELEVANT BRITISH STANDARDS (3936/4428) CODES OF PRACTICE AND THE SPECIFICATION.
9. ALL SHRUBS ARE TO BE FURNISHED WITH AT LEAST 3 STRONG BREAKS AND SUPPLIED CONTAINER GROWN. SHRUBS TO BE PLANTED IN HOLES BIG ENOUGH TO ACCOMMODATE THE PLANT WITHOUT DAMAGING THE ROOTS (MIN. 300mm3). PLANTS TO BE FIRMED, WATERED IN AND DEAD/DAMAGED BRANCHES REMOVED AFTER PLANTING.
10. P4 POLYMER SHALL BE APPLIED AT MANUFACTURERS RECOMMENDED QUANTITIES DURING PLANTING.
11. A SLOW RELEASE FERTILIZER SHALL BE APPLIED AFTER PLANTING IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.
12. ALL PLANTED AREAS TO BE MULCHED WITH A MEDIUM GRADE DARK MATURED WOOD CHIP MULCH TO A MINIMUM DEPTH OF 75mm AFTER PLANTS HAVE BEEN WELL WATERED. CARE MUST BE TAKEN NOT TO SMOOTHER THE PLANTS.SAMPLE TO BE SUPPLIED TO SITE FOR APPROVAL.
13. BEFORE TURFING, ROTAVATE AND LEVEL TOPSOIL AS REQUIRED, REMOVE DEBRIS AND STONES ABOVE 30mm DIA. ADD PRE-SEEDING FERTILIZER TO MANUFACTURERS SPECIFICATION. TURF SHALL BE WEED FREE, LAID FROM PLANKS (TO AVOID DAMAGE) WITH BROKEN JOINTS AND WELL BUTTED UP. FINISHED COMPACTED LEVELS TO BE A MINIMUM OF 10mm ABOVE ADJACENT HARD SURFACING. WATER AS NECESSARY TO AVOID SHRINKAGE.
14. GRASS SEED SHALL BE SOWN DURING MARCH/APRIL OR SEPTEMBER. TOP SOIL TO BE ROTAVATED AND LEVELLED AS REQUIRED, REMOVING DEBRIS AND STONES ABOVE 20MM DIA. PRESEEDING FERTILIZER TO BE ADDED AT MANUFACTURER'S SPECIFICATION. SEED TO BE APPLIED AT A MINIMUM OF 50G PER SQUARE METRE. AREA TO BE LIGHTLY RAKED OVER AND WATERED WHERE POSSIBLE AFTER SOWING TO AID ESTABLISHMENT. FINISHED COMPACTED LEVELS AS ABOVE.
15. WHERE APPROPRIATE HEDGE SPECIES SHALL BE PRUNED TO UP TO ONE THIRD, TO PROMOTE BUSHY GROWTH.
16. TREE POSITIONS HAVE BEEN CHOSEN IN ACCORDANCE WITH PRACTICE NOTE 4.2 OF THE N.H.B.C. GUIDE. SOIL SHRINKIBILITY = HIGH. TREES HAVE BEEN POSITIONED NOT TO EFFECT FOUNDATIONS BUT IF NECESSARY A ROOT BARRIER (TERRAM ROOT GUARD PLUS) OR SIMILAR APPROVED SHALL BE USED ADJACENT TO THE NEW NATIVE HEDGE AT THE FRONT OF THE SITE TO PROTECT FOUNDATIONS TO ENGINEER'S DETAIL.
17. ALL PREPARATIONS, BOTH HARD AND SOFT UNDER/AROUND EXISTING TREES MUST BE CARRIED OUT BY HAND TO PROTECT ROOTS.
18. PLANTING WILL COMMENCE DURING THE FIRST PLANTING SEASON (MID NOV-MID MARCH) AFTER SUBSTANTIAL COMPLETION OF THE SITE, AND COMPLETED DURING THE NEXT PLANTING SEASON AFTER CONSTRUCTION IS COMPLETED.
19. ANY TREE, SHRUB OR AREA OF TURF SHALL BE REPLACED WITHIN A PERIOD OF FIVE YEARS IF THEY DIE WITHIN THE NEXT PLANTING SEASON WITH ANOTHER SUCH PLANT OF SIMILAR SIZE AND SPECIES.
20. PEAT, OR PEAT BASED MATERIAL SHALL NOT BE USED WHERE POSSIBLE ON SITE.
21. WHERE POSSIBLE ALL PLANTS SHALL BE OBTAINED IN A PEAT FREE COMPOST WHEN CONTAINER GROWN PLANTS ARE SPECIFIED.

ECOLOGICAL HABITAT ENHANCEMENTS

Hedgehog friendly gravel boards with gap of 13cm x 13cm cut every 10m to be used on all solid fences on site.

- Bird Box - 2 x Type 2MR, Schwegler brick nest box with open front attached to building on north/eastern elevation at 3m above ground as indicated. Exact position to be agreed with Ecologist.
- Sparrow Box- 1 x 1SP Schwegler Sparrow Terrace located on building 2.5m above ground as indicated facing north or east. Exact position to be agreed with Ecologist.
- Bird Box - 2 x Type 1MR, Schwegler brick nest box with 32mm hole attached to building on north/eastern elevation at 3m above ground as indicated. Exact position to be agreed with Ecologist.
- Bat Brick - 4 x Ibstock Free Access Bat Box C built in to wall positioned at least 5m above ground level under eves, facing south, south-west away from lighting and windows with a clear drop beneath. Exact position to be agreed with Ecologist.

Site lighting should be kept to a minimum during construction and once occupied. No lighting should intrude upon areas of potential foraging/commuting habitats such as the on-site adjacent hedgerow and adjacent woodland. Lighting should not emit ultra-violet light and should be LED luminaries where possible. Lights should be warm white (ideally less than 2700 kelvin). Luminaries should feature wave lengths higher than 550nm to avoid the component of light most disturbing to bats. Light columns should be as low as possible and not exceed 8M. Lights should be directed downwards and shields, baffles and louvres should be used to control light direction.

A selection of plants have been used on this site which will provide a good food source for bats, invertebrates, birds and other wildlife as well as providing essential shelter and nesting sites . Approximately 80% of plants are native. All plants have been choosen to providing flowers and berries though out the whole year, there are herbaceous plants with long flowering periods and flowering spring bulbs that provide an early source of nectar for invertebrates.

All Bat, Bird and Insect boxes to be obtained from nhbs.com or approved supplier.

Wildflower and grass seed mix has been added to increase biodiversity.

An Ecologist shall supervise the installation of the ecological enhancement measures and agree their location. The management team will maintain the enhancements in perpetuity unless the facilities are in private ownership and then the purchaser will be responsible for maintaining them.

All Ecological enhancements shall be carried out before occupation of the dwellings.

NOTE:
SEE LIGHTING REPORT BY TOMLITE 20212 FOR DETAILED LIGHTING SCHEDULE. THIS COMPLIES WITH THE REQUIREMENTS FOR LIGHTING SET OUT IN THE ECOLOGICAL ENHANCEMENT SCHEDULE.

Rev C - Lighting note added 29-11-24 PJA

Rev B - CAP, RBA added to legend 27-11-23 PJA

Rev A - Planting size of trees on frontage increased. Trees removed over existing service main.(EV cable moved away from trees). Narcissus added to bulb mix as requested by Local Authority 13-03-23 PJA

THE CONTRACTOR SHOULD CHECK ALL DIMENSIONS ON SITE.
THIS DRAWING IS NOT TO BE SCALED.
IT IS THE SUB-CONTRACTORS RESPONSIBILITY TO ENSURE COMPLIANCE WITH BUILDING REGULATIONS AND CURRENT CODES OF PRACTICE.

PROJECT
WESTRIDGE
THE COBBLERS SLINFOLD

DRAWING
LANDSCAPE PROPOSAL & ECOLOGICAL ENHANCEMENTS

SCALE	*DATE*	*DRAWN BY*
1:200 @A1	FEB 2023	PJA

DRAWING NUMBER
WER/1729/23
A B C

ALLEN-ALLEN PARTNERSHIP
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