

ECOLOGICAL RECOMMENDATIONS

Preliminary Ecological Appraisal and Invasive Species Survey, Hylands Road, Walthamstow. MKA ECOLOGY, June 2019.

Recommendation 1: When data on residential density for the scheme becomes available, review the potential risk of increased visitor pressure in the Epping Forest SAC if required.

Recommendation 2: Ensure species of concern on the London Invasive Species Initiative and removed and disposed of appropriately.

Recommendation 3: Provide a method statement to minimise impacts on reptiles and amphibians during works. All on-site contractors should be made aware of their potential presence on site. If a great crested newt is found then work should stop immediately and an ecologist should be consulted.

Recommendation 4: Schedule vegetation and building clearance works between the months of September and February inclusive to avoid impacts on breeding birds. Where this timing is not feasible works should be preceded by a nesting bird check.

Recommendation 5: Conduct a daytime bat inspection on the buildings to identify the presence, or likely absence of roosting bats.

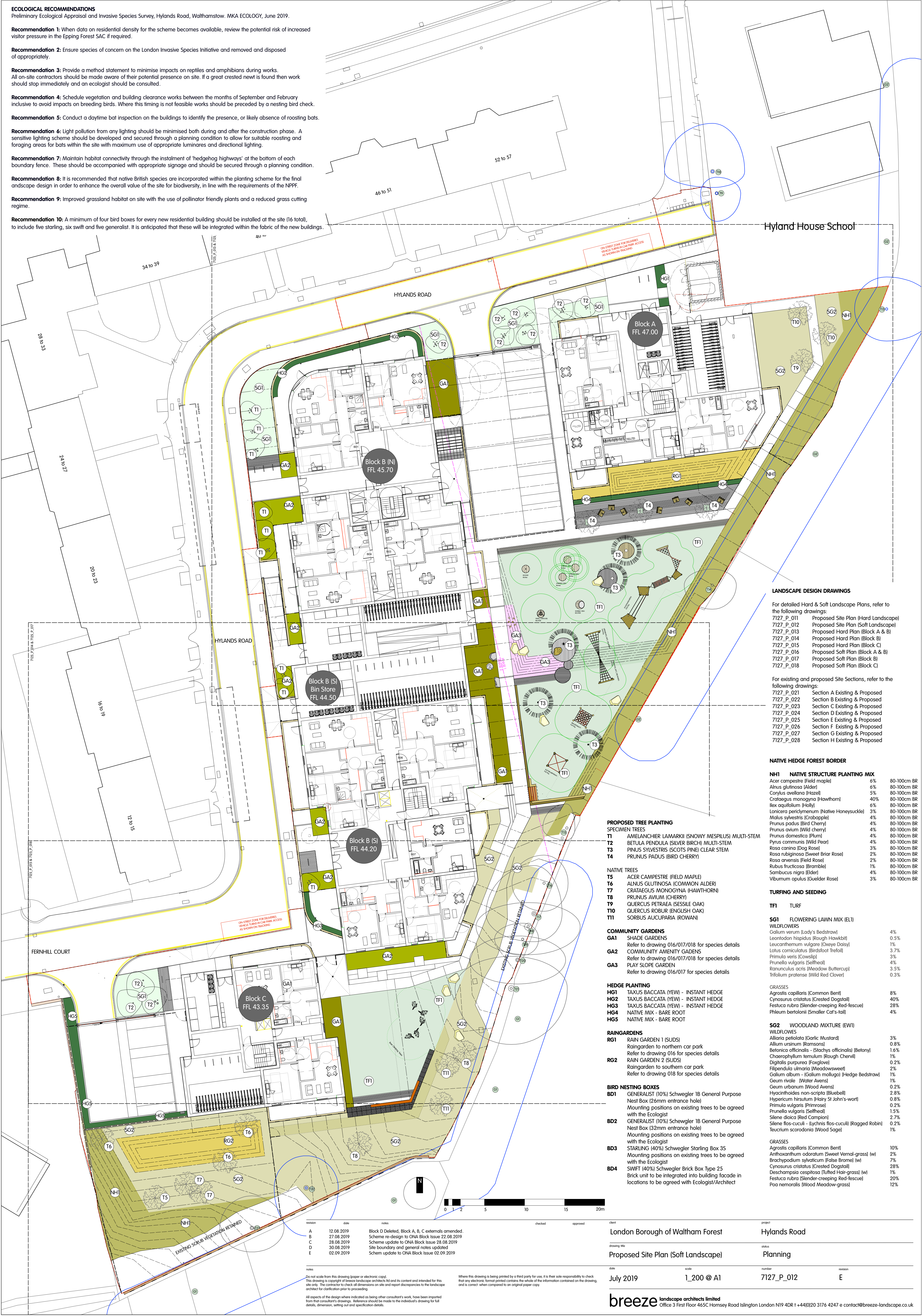
Recommendation 6: Light pollution from any lighting should be minimised both during and after the construction phase. A sensitive lighting scheme should be developed and secured through a planning condition to allow for suitable roosting and foraging areas for bats within the site with maximum use of appropriate luminaires and directional lighting.

Recommendation 7: Maintain habitat connectivity through the instalment of 'hedgehog highways' at the bottom of each boundary fence. These should be accompanied with appropriate signage and should be secured through a planning condition.

Recommendation 8: It is recommended that native British species are incorporated within the planting scheme for the final landscape design in order to enhance the overall value of the site for biodiversity, in line with the requirements of the NPPF.

Recommendation 9: Improved grassland habitat on site with the use of pollinator friendly plants and a reduced grass cutting regime.

Recommendation 10: A minimum of four bird boxes for every new residential building should be installed at the site (16 total), to include five starling, six swift and five generalist. It is anticipated that these will be integrated within the fabric of the new buildings.



LANDSCAPE DESIGN DRAWINGS

For detailed Hard & Soft Landscape Plans, refer to the following drawings:
7127_P_011 Proposed Site Plan (Hard Landscape)
7127_P_012 Proposed Site Plan (Soft Landscape)
7127_P_013 Proposed Hard Plan (Block A & B)
7127_P_014 Proposed Hard Plan (Block B)
7127_P_015 Proposed Hard Plan (Block A & B)
7127_P_016 Proposed Soft Plan (Block A & B)
7127_P_017 Proposed Soft Plan (Block B)
7127_P_018 Proposed Soft Plan (Block C)

For existing and proposed Site Sections, refer to the following drawings:
7127_P_021 Section A Existing & Proposed
7127_P_022 Section B Existing & Proposed
7127_P_023 Section C Existing & Proposed
7127_P_024 Section D Existing & Proposed
7127_P_025 Section E Existing & Proposed
7127_P_026 Section F Existing & Proposed
7127_P_027 Section G Existing & Proposed
7127_P_028 Section H Existing & Proposed

NATIVE HEDGE FOREST BORDER

NH1 NATIVE STRUCTURE PLANTING MIX		
Acer campestre (Field maple)	6%	80-100cm BR
Alnus glutinosa (Alder)	6%	80-100cm BR
Corylus avellana (Hazel)	5%	80-100cm BR
Crataegus monogyna (Hawthorn)	40%	80-100cm BR
Ilex aquifolium (Holly)	6%	80-100cm BR
Lonicera periclymenum (Native Honeysuckle)	3%	80-100cm BR
Nailus sylvestris (Cranapple)	4%	80-100cm BR
Prunus padus (Bird Cherry)	4%	80-100cm BR
Prunus avium (Wild cherry)	4%	80-100cm BR
Prunus domestica (Plum)	4%	80-100cm BR
Pyrus communis (Wild Pear)	4%	80-100cm BR
Rosa canina (Dog Rose)	3%	80-100cm BR
Rosa ruginosa (Sweet Briar Rose)	2%	80-100cm BR
Rosa arvensis (Field Rose)	2%	80-100cm BR
Rubus fruticosus (Bramble)	1%	80-100cm BR
Sambucus nigra (Elder)	4%	80-100cm BR
Viburnum opulus (Guelder Rose)	3%	80-100cm BR

TURFING AND SEEDING

TF1 TURF	
SG1 FLOWERING LAWN MIX (ELI)	
Galium verum (Lady's Bedstraw)	4%
Leontodon hispidus (Rough Hawkbit)	0.5%
Leucanthemum vulgare (Oxeye Daisy)	1%
Lotus corniculatus (Birdsfoot Trefoil)	3.7%
Primula veris (Cowslip)	3%
Prunella vulgaris (Selfheal)	4%
Ranunculus acris (Meadow Buttercup)	3.5%
Trifolium pratense (Wild Red Clover)	0.3%
GRASSES	
Agrostis capillaris (Common Bent)	8%
Cynosurus cristatus (Crested Dogstail)	40%
Festuca rubra (Slender-creeping Red-fescue)	28%
Pheum bertalanii (Smaller Cat's-tail)	4%
SG2 WOODLAND MIXTURE (EWI)	
WILDFLOWES	
Alliaria petiolata (Garlic Mustard)	3%
Allium ursinum (Ramsons)	0.8%
Betonica officinalis - (Stachys officinalis) (Betony)	1.6%
Chaerophyllum temulum (Rough Chervil)	1%
Digitalis purpurea (Foxglove)	0.2%
Filipendula ulmaria (Meadowsweet)	2%
Galium album - (Galium mollugo) (Hedge Bedstraw)	1%
Geum rivale (Water Avenas)	1%
Geum urbanum (Wood Avenas)	0.2%
Hyacinthoides non-scripta (Bluebell)	2.8%
Hypericum hirsutum (St. John's-wort)	0.8%
Primula vulgaris (Primrose)	0.2%
Prunella vulgaris (Selfheal)	1.5%
Silene dioica (Red Campion)	2.7%
Silene flos-cuculi - (Lychnis flos-cuculi) (Ragged Robin)	0.2%
Teucrium scorodonia (Wood Sage)	1%
GRASSES	
Agrostis capillaris (Common Bent)	10%
Anthoxanthum odoratum (Sweet Vernal-grass) (w)	2%
Brachypodium sylvaticum (False Brome) (w)	7%
Cynosurus cristatus (Crested Dogstail)	28%
Deschampsia cespitosa (Tufted Hair-grass) (w)	1%
Festuca rubra (Slender-creeping Red-fescue)	12%
Poa nemoralis (Wood Meadow-grass)	20%

PROPOSED TREE PLANTING

SPECIMEN TREES	
T1	AMELANCHIER LAMARKII (SNOWY MESPIUS) MULTI-STEM
T2	BETULA PENDULA (SILVER BIRCH) MULTI-STEM
T3	PINUS SYLVESTRIS (SCOTS PINE) CLEAR STEM
T4	PRUNUS PADUS (BIRD CHERRY)

NATIVE TREES	
T5	ACER CAMPESTRE (FIELD MAPLE)
T6	ALNUS GLUTINOSA (COMMON ALDER)
T7	CRATAEGUS MONOGYNA (HAWTHORN)
T8	PRUNUS AVILUM (CHERRY)
T9	QUERCUS PETRAEA (SESSILE OAK)
T10	QUERCUS ROBUR (ENGLISH OAK)
T11	SORBUS AUCUPARIA (ROWAN)

COMMUNITY GARDENS	
GA1	SHADE GARDENS Refer to drawing 016/017/018 for species details
GA2	COMMUNITY AMENITY GADENS Refer to drawing 016/017/018 for species details
GA3	PLAY SLOPE GARDEN Refer to drawing 016/017 for species details

HEDGE PLANTING	
HG1	TAXUS BACCATA (YEW) - INSTANT HEDGE
HG2	TAXUS BACCATA (YEW) - INSTANT HEDGE
HG3	TAXUS BACCATA (YEW) - INSTANT HEDGE
HG4	NATIVE MIX - BARE ROOT
HG5	NATIVE MIX - BARE ROOT

RAINGARDENS	
RG1	RAIN GARDEN 1 (SUDS) Raingarden to northern car park Refer to drawing 016 for species details
RG2	RAIN GARDEN 2 (SUDS) Raingarden to southern car park Refer to drawing 018 for species details

BIRD NESTING BOXES	
BD1	GENERALIST (10%) Schwegler 1B General Purpose Nest Box (24mm entrance hole) Mounting positions on existing trees to be agreed with the Ecologist
BD2	GENERALIST (10%) Schwegler 1B General Purpose Nest Box (32mm entrance hole) Mounting positions on existing trees to be agreed with the Ecologist
BD3	STARLING (40%) Schwegler Starling Box 3S Mounting positions on existing trees to be agreed with the Ecologist
BD4	SWIFT (40%) Schwegler Brick Box Type 2S Brick unit to be integrated into building facade in locations to be agreed with Ecologist/Architect

revision	date	notes	checked	approved
A	12.08.2019	Block D Deleted, Block A, B, C externals amended.		
B	27.08.2019	Scheme re-design to ONA Block Issue 22.08.2019		
C	28.08.2019	Scheme update to ONA Block Issue 28.08.2019		
D	30.08.2019	Site boundary and general notes updated		
E	02.09.2019	Schem update to ONA Block Issue 02.09.2019		

notes
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client		project	
London Borough of Waltham Forest		Hylands Road	
drawing title		status	
Proposed Site Plan (Soft Landscape)		Planning	
date	scale	number	revision
July 2019	1_200 @ A1	7127_P_012	E