LANDSCAPE PROPOSALS KEY:

EXISTING TREES & HEDGES
- EXISTING TREES AND HEDGES RETAINED
- EXISTING TREES AND HEDGES REMOVED

PROPOSED TREES
- SEMI-MATURE TREE (20-25cm GIRTH)
- EXTRA HEAVY STANDARD TREE (14-16cm GIRTH)
- HEAVY STANDARD TREE (12-14cm GIRTH)

PROPOSED SHRUB & HEDGE PLANTING
- ORNAMENTAL SHRUBS AND HERBACEOUS PERENNIALS
- DECIDUOUS HEDGE (INCLUDING NATIVE MIXED)
- EVERGREEN HEDGE

PROPOSED GRASS AREAS
- AMENITY LAWN TURF TO FRONT GARDENS
- REAR GARDENS
- OPEN SPACE AREAS
  EL1 - Flowering Lawn Mixture*, or equivalent
- SPECIES RICH MEADOW MIX
  EM1 - General Purpose Meadow Mixture*, or equivalent

BIODIVERSITY ENHANCEMENTS
- 'HEDGEHOG HIGHWAY' CUT-OUT IN FENCE/WALL
- SWIFT BRICK BIRD BOXES (3 PER GABLE)
- INTEGRAL BAT BOX
- TREE MOUNTED BAT BOX

LANDSCAPE DESIGN STRATEGY

The landscape strategy for the site aims to achieve the following:

- Retain and enhance existing hedges to site boundary
- Retain significant trees within the site where feasible
- Provide mitigation for the loss of vegetation and enhancement for wildlife through the planting of new hedgerows and specimen trees.
- Provide an attractive and distinctive environment for residents through the use of ornamental tree, hedge and shrub planting on internal streets and in front gardens

CENTRAL GREENS
The central greens provide focal points for this phase of development, a pair of community spaces which have a sociable seating area at their heart, encouraging social interaction and contributing to mental well-being.
the spaces are framed by semi-mature trees, species such as Oak and Lime will provide tall large canopies. Hedges also enclose the spaces, helping to provide shelter from adjacent streets. Shrub planting provides additional emphasis at entrances and around the seating area.

SOUTHERN OPEN SPACE
The southern open space accommodates a surface water storage basin. The southern and eastern boundaries are formed by existing hedgerows, creating a mature landscape setting.
The margins of the space are to be managed as species-rich meadow with informal groups of native trees.
A pedestrian route links to Cemetery Lane which provides a convenient, low traffic route towards other community facilities.

SPORTS FIELD
To the south east of the development a sports field is provided, large enough to accommodate a full size (100m) football pitch.
The eastern and southern boundaries are formed by existing hedgerows, creating a mature landscape setting and helping to contain stray balls. The western boundary is formed by shrub planting and an avenue of trees, meaning that 3 sides of the space are defined by landscape features.

FOR EQUIPPED PLAY SPACE AREAS SEE SPECIALIST DRAWINGS

LANDSCAPE TREATMENTS

TREE PLANTING

Extensive planting of semi-mature and extra heavy standards trees are proposed throughout the development to create a structure to the new housing which is in keeping with the scale and context of the development and helps to filter views into the site, breaking up the rooflines of the housing when viewed from a distance. Planting at the site entrance, the public open space areas and focal points will aid navigation within the scheme and complement the existing mature trees and hedgerows on site.
Where practical there will be an emphasis of native species which are locally provenant and trees will be procured and planted in accordance with BS8545:2014.
Over the area of each planting pit, the true topsoil shall be removed and set to one side for re-use. Pits for Semi-mature trees shall be excavated to 1500 x 1500 x 900mm. Pits for Extra Heavy Standard shall be excavated to 1000 x 1000 x 750mm. Pits for Heavy Standard trees shall be excavated to 900 x 900 x 600mm.
Trees shall have a sturdy, reasonably straight stem and a well-balanced head with a clearly defined straight and upright leader and no main branch crossing the crown. They shall be in a healthy condition with a strong fibrous root system and of a normal habit for the particular species.
All semi mature and extra heavy standard trees shall be guyed underground using a Platipus rootball disc system (available from Platipus Anchors Ltd) or other form of approved deadman anchor system with frame suitable for the purpose. All other trees, Heavy Standard and smaller, shall bedouble staked using two short stakes (1.5-1.8 metres long) driven into the ground to leave approximately 1 metre above ground and a cross rail secured across the top. Trees shall be firmly secured to the cross member with ties and spacers with a minimum life expectancy of 4 years. The stakes are to be placed to prevent damage to the trees. The stake must not cause rubbing of the tree trunk. All planting ties, cushions etc should be from sustainable sources and plastic free e.g. Green -tech : Natural tree tie is made entirely of natural fibres and is fully bio-degradable.
The tree pits must include an irrigation tube with a cap. All trees to receive a minimum of 60 litres watering at time of planting.
Tree Spacings - trees within open space areas should generally be spaced between 6m and 10m apart to allow them space to grow to their normal habit. The only exception to this is where space is limited by other physical features such as within the island feature seating area.

SHRUB PLANTING
A mix of evergreen and deciduous shrubs/ climbing plants and herbaceous perennials will be planted throughout the site to give enclosure and structure to the development and all year round interest. This follows the same principles as previously approved.
Medium/ large species will be planted against screen fences and walls where space permits and medium / low mixes will be will be planted into front gardens, mews courts and around parking areas.

ORNAMENTAL HEDGE PLANTING
Beech and Hornbeam hedges are proposed in various locations throughout the site to define plot frontages. Lower growing evergreen hedging is proposed in situations where demarcation between public and private space is required without the need for tall enclosure. Decidusous hedging will be planted as a double alternate row of 60-80cm transplants, or larger.
The evergreen hedges will be planted in various sizes according to species availability.

NATIVE HEDGE PLANTING
All existing hedgerows have been retained except for where access to the site is required. Native species hedging will be planted into frontages on the outward facing parts of the development to extend and continue the existing hedgerows. Native hedgerow will also be planted in selected areas of the site to gap up existing sections of hedgerow and introduce additional habitat value within the site.

GRASS TREATMENTS
A variety of grass treatments are proposed throughout the site to define different areas of space and use:

Amenity Turf
Front gardens will be turfed with a quality amenity turf.
Areas indicated on the plan will be seeded with native wildflower-rich seed mixtures. These will create an attractive backdrop to the development, as well as provide a source of shelter, nectar and pollen for a wide range of insect life, and in turn, will attract the animals that prey upon them, such as birds and bats.

Species Rich Meadow Mixes
EL1 - Flowering Lawn Mixture*, or equivalent
EM1 - General Meadow Mixture*, or equivalent

* Seed mixtures supplied by Emorsgate Seeds - https://wildseed.co.uk/mixtures

Preparation
No more than 5cm of topsoil will be spread over the subsoil profile. This will be loose tipped and spread with a back actor to avoid compaction, and harrowed to a fine tilth ready for seeding.

Seeding
Seed according to supplier's instructions. If soils have been spread before September, any weed growth that has established in the meantime will be sprayed with glyphosate and a seedbed be re-prepared.
Seed will either be broadcast by hand or by approved lightweight machinery at c. 40Kg /Ha. Following seeding, the area will be lightly rolled to incorporate the seed with the growing substrate.

Management
Year 1
Five cuts, collect arisings and remove from site.
Use a weed wipe three times in year 1 to kill off weeds - Spear thistle, creeping thistle, broad-leaved dock, clustered dock, wood dock, curled dock, nettle, ragwort and others according to ECoW recommendations. Operative must be proven competent in identifying these in their early stages to prevent killing off sown wilflowers.

Year two onwards
EL1: Cut as normal amenity grass, as specfied in the overall landscape maintenance contract. Cutting should not be more frequent than every three weeks. Longer periods (four weeks plus) in mid-summer are advantageous.
EM1: Single cut in late summer (August/September), with arising raked and removed.

ECOLOGICAL ENHANCEMENTS
The following enhancements will be carried out:

- New species-rich hedgerow and native trees would be planted across the site to increase habitat connectivity
- The identified areas of POS will be sown and managed as species rich grassland
- All enclosed garden areas will have hedgehog 'cut-outs' in walls & fences to create full permeability
- Integral bird and bat boxes to be installed in dwellings

SWIFT BRICKS

'Manthorpe Swift Nesting Bricks' are to be installed 3 per gable on identified plots (to be confirmed). Swift bricks are also suitable for Sparrows & Tits.
The Swift Bricks should be located high within the gable wall of the property, ideally at 5 metres high and above and over the level of the insulation zone.
Where possible, install in locations that are unlikely to receive large amounts of direct sunlight during the hottest times of the day, ideal places include below the overhang of the verge and barge board.

BAT BOXES

Integral bat boxes are to be installed in the highlighted locations (to be confirmed). The bat boxes are located on north or north west facing elevations adjacent to green corridors or quieter routes, at a height of at least 5m.
Boxes are not located above windows, doors or paths.
Products such as Ibstock B & C or Habibat 001 should be used.

PLANTING SCHEDULE

Trees

Number	Abbreviation	Species	Girth	Height	Specification	Density
9 No.	ACEPLC	Acer platanoides 'Columnare'	14-16cm	425-600cm	Extra Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200	Counted
12 No.	SORAU	Sorbus aucuparia	14-16cm	425-600cm	Extra Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200	Counted
6 No.	ACECAME	Acer campestre 'Elsrijk'	14-16cm	425-600cm	Extra Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200	Counted
13 No.	MALTS	Malus tschonoskii	14-16cm	425-600cm	Extra Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200	Counted
3 No.	T co 'S'	Tilia cordata 'Streetwise'	20-25cm	500-550cm	Semi-Mature: 3x: RB: Clear Stem min. 200cm	Counted
24 No.	SORARLU	Sorbus aria 'Lutescens'	14-16cm	425-600cm	Extra Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200	Counted
8 No.	SORHYGI	Sorbus hybrida 'Gibbsii'	14-16cm	425-600cm	Extra Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200	Counted
11 No.	ACECAME	Acer campestre 'Elsrijk'	20-25cm	500-550cm	Semi-Mature: 3x: RB: Clear Stem min. 200cm	Counted
23 No.	ALNCO	Alnus cordata	20-25cm	500-550cm	Semi-Mature: 3x: RB: Clear Stem min. 200cm	Counted
3 No.	BETUTJ	Betula utilis jacquemontii	12-14cm	350-425cm	Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200	Counted
6 No.	CORCOL	Corylus colurna	14-16cm	425-600cm	Extra Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200	Counted
5 No.	CRAMONS	Crataegus monogyna 'Stricta'	14-16cm	425-600cm	Extra Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200	Counted
8 No.	TILCOGR	Tilia cordata 'Greenspire'	14-16cm	425-600cm	Extra Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200	Counted
9 No.	CARBETFF	Carpinus betulus 'Frans Fontaine'	12-14cm	350-425cm	Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200	Counted
20 No.	ACEPLC	Acer platanoides 'Columnare'	20-25cm	500-550cm	Semi-Mature: 3x: RB: Clear Stem min. 200cm	Counted
123 No.	FAGSYPU	Fagus sylvatica 'Purpurea'		80-100cm	1+2: Transplant: B	4/m
543 No.	CARBET	Carpinus betulus		60-80cm	1+1: Transplant: B	4/m
320 No.	CARBET	Carpinus betulus		125-150cm	Hedge Element 60 x 60cm: RB: Neatly Clipped	2/m
267 No.	FAGSY	Fagus sylvatica		60-80cm	1+2: Transplant: B	3/m

Shrubs

Number	Abbreviation	Species	Pot Size	Specification	Density
24 No.	HEBPIS	Hebe pinguifolia 'Sutherlandii'	10L	Bushy: 9 brks: C	1/m²
42 No.	HEBPIS	Hebe pinguifolia 'Sutherlandii'	10L	Bushy: 9 brks: C	2/m²
28 No.	FATJA	Fatsia japonica	10L	Leader: C	1/m²
143 No.	PHOFRRER	Photinia x fraseri 'Red Robin'	3L	Branched: 4 brks: C	3/m²
322 No.	PRULAOL	Prunus laurocerasus 'Otto Luyken'	3L	Bushy: 3 brks: C	3/m
32 No.	AUCJA	Aucuba japonica	3L	Bushy: 3 brks: C	3/m
367 No.	OLEHA	Olearia x haastii	3L	Bushy: 4 brks: C	4/m
609 No.	PRULU	Prunus lusitanica	3L	Bushy: 4 brks: C	3/m
496 No.	GRILIVA	Griselinia littoralis 'Variegata'	2L	Bushy: 3 brks: C	3/m
87 No.	PRULAOL	Prunus laurocerasus 'Otto Luyken'	3L	Bushy: 3 brks: C	3/m²
62 No.	ESCAB	Escallonia 'Apple Blossom'	3L	Bushy: 4 brks: C	3/m²
31 No.	HEBGO	Hebe 'Great Orme'	2L	Bushy: 3 brks: C	3/m²
16 No.	ELAPUMA	Elaeagnus pungens 'Maculata'	3L	Branched: 3 brks: C	3/m²
109 No.	HEBPIS	Hebe pinguifolia 'Sutherlandii'	3L	Bushy: 5 brks: C	3/m²
44 No.	COTCOND	Cotoneaster conspicuus 'Decorus'	3L	Branched: 3 brks: C	3/m²
455 No.	PHOFRRER	Photinia x fraseri 'Red Robin'	3L	Branched: 4 brks: C	4/m
263 No.	LIGOV	Ligustrum ovalifolium	3L	Branched: 5 brks: C	4/m
428 No.	ELAPUMA	Elaeagnus pungens 'Maculata'	3L	Branched: 3 brks: C	3/m
58 No.	ILEAQJT	Ilex aquifolium 'J.C. van Tol'	2L	Leader & Laterals: C	3/m
203 No.	OSMHE	Osmanthus heterophyllus	3L	Bushy: 3 brks: C	3/m
130 No.	OLEMA	Olearia macrodonta	3L	Bushy: 4 brks: C	3/m
76 No.	CEABLM	Ceanothus 'Blue Mound'	3L	Branched: 5 brks: C	3/m²
52 No.	CHOAP	Choisya 'Aztec Pearl'	3L	Bushy: 5 brks: C	3/m²
67 No.	LAVANAL	Lavandula x intermedia 'Alba'	3L	Bushy: 5 brks: C	3/m²
121 No.	BRASU	Brachyglottis 'Sunshine'	3L	Branched: 4 brks: C	2/m²
136 No.	LONPI	Lonicera pileata	3L	Bushy: 6 brks: C	3/m²
71 No.	GAREL	Garrya elliptica	3L	Leader & Laterals: 3 brks: C	3/m²
72 No.	GRILIVA	Griselinia littoralis 'Variegata'	2L	Bushy: 3 brks: C	3/m²
245 No.	HEBRA	Hebe rakaiensis	2L	Bushy: 3 brks: C	4/m²
47 No.	CHOTES	Choisya ternata 'Sundance'	3L	Bushy: 4 brks: C	3/m²
65 No.	POTFRAB	Potentilla fruticosa 'Abbotswood'	3L	Bushy: 4 brks: C	3/m²
202 No.	VIBDA	Viburnum davidii	3L	Bushy: 3 brks: C	3/m²
97 No.	CYTKE	Cytisus x kewensis	1.5L	Bushy: 3 brks: C	4/m²
46 No.	COTSUSK	Cotoneaster 'Skogholm'	3L	Bushy: 4 brks: C	3/m²
29 No.	BERBUXN	Berberis buxifolia 'Nana'	2L	Bushy: 3 brks: C	4/m²
61 No.	LAVANHI	Lavandula angustifolia 'Hidcote'	2L	Bushy: 5 brks: C	4/m²
19 No.	PACTE	Pachysandra terminalis	2L	Several Shoots: 7 brks: C	4/m²
56 No.	SKIJARU	Skimmia japonica 'Rubella'	10L	Bushy: 5 brks: C	2/m²
38 No.	EUOFODB	Euonymus fortunei 'Dart's Blanket'	2L	Bushy: 3 brks: C	4/m²

Herbaceous

Number	Abbreviation	Species	Pot Size	Specification	Density
32 No.	ARTPOC	Artemisia 'Powis Castle'	2L	Full pot: C	5/m²

Conifers

Number	Abbreviation	Species	Pot Size	Specification	Density
122 No.	JUNSQBS	Juniperus squamata 'Blue Star'	3L	Bushy: C	5/m²

G	06.02.24	LANDSCAPE UPDATED TO CURRENT LAYOUT REV FF	LB	VS
F	07.07.23	LANDSCAPE UPDATED TO CURRENT LAYOUT REV EE	LB	VS
E	07.07.23	LANDSCAPE UPDATED TO CURRENT LAYOUT REV DD	LB	VS
D	06.07.23	LANDSCAPE UPDATED TO CURRENT LAYOUT REV CC	LB	VS
C	15.06.23	MEADOW AREAS AMENDED IN RESPONSE TO BROOKS ECOLOGY COMMENTS	LB	VS
B	03.05.23	LANDSCAPE UPDATED TO CURRENT LAYOUT REV AA, HEDGES AMENDED AS PER CLIENT INSTRUCTION.	LB	VS
A	21.04.23	LANDSCAPE UPDATED TO CURRENT LAYOUT REV Z	LB	VS

NORTH

1:250 SCALE

5m 25m

Architecture
Planning
Urban Design
Landscape

CLIENT:
BARRATT HOMES
YORKSHIRE EAST

PROJECT:
DRIFFIELD - PHASE 2

DRAWING:
LANDSCAPE PROPOSALS
SHEET 3 of 4

DRAWING NUMBER:
21 5512 103

SCALE @ A0:
1:250

DRAWN: LB DATE: OCT '22
CHECKED: VS DATE: OCT '22

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