

SEE DRAWINGS BY SMR ARCHITECTS FOR SURFACING AND BOUNDARY DETAILS

PLANTING NOTES

All trees to be planted and procured in accordance with BS 8545:2014 and BS 3936:1992 Nursery Stock Part 1. The providing nursery shall demonstrate Plant Health Certification and/or an adopted biosecurity policy and plant passport scheme. Aftercare shall be in accordance with the approved Landscape Management Document.

- GROUND PREPARATION**
- Where required all existing topsoil and subsoil shall be stripped and stored separately on site. Heaps must not exceed 3m in height and should be used within 12 months in accordance with BS 4425 (Code of practice for general landscape operations).
 - Existing topsoil and inert sub soils, shall be analysed in accordance with BS 3882 to determine available nutrients, texture, organic matter content and pH. Where required, existing soils are to be improved in accordance with BS 3882:2015. Subsoils shall conform to BS 8601:2013.
 - In all instances, where soil is to be retained and relatively undisturbed for the purposes of planting new vegetation on site, then it must be alleviated to avoid compaction, must be tested for pH for specific species suitability, and may require the addition of biochar + compost + organic fertiliser + native soil.
 - Imported topsoil and site won soils shall be to British Standards BS 3882 - Multipurpose Grade. Spread to 300mm depth over areas to be planted with trees and shrubs. Retaining minimum rooting depth to be provide by a good quality subsoil to BS 8601:2013. frost/lift building material debris to achieve the following overall rooting depths:
 - Grass - 450mm
 - Shrubs - 600mm
 - Trees - 900mm

PLANTING SCHEDULES

ORNAMENTAL PLANTING SCHEDULE				
Nr	Name	Ht in cm	Pot(L)	Density
30	Bergenia cordifolia 'Purpurea'	40-50cm	3L	5.00
62	Geranium endressii 'Wargrave Pink'	30-40cm	3L	5.00
Shrub				
Nr	Name	Ht in cm	Pot(L)	Density
80	Cananthus thyrifolius repens	30-40cm(D)	3L	5.00
184	Choysya ternata 'Sundance'	30-40cm	3L	5.00
57	Cistus 'Silver Pink'	30-40cm	3L	5.00
73	Cornus sanguinea 'Mid Winter Fire'	40-60cm	3L	5.00
62	Escallonia 'Apple Blossom'	30-40cm	3L	5.00
30	Euonymus fortunei 'Emerald Gaiety'	30-30cm(D)	3L	5.00
77	Euonymus fortunei 'Emerald n Gold'	20-30cm(D)	3L	5.00
180	Hebe albicans 'Red Edge'	20-25cm	3L	5.00
81	Hebe pinguifolia 'Page'	20-30cm(D)	3L	5.00
154	Lavandula angustifolia 'Hidcote'	20-25cm	3L	5.00
124	Pachysandra terminalis 'Variegata'	10-15cm	3L	5.00
82	Philadelphus 'Manteau d'Hermine'	30-40cm	3L	5.00
73	Prunus laurocerasus 'Otto Layken'	20-40cm	3L	5.00
128	Santolina chamaecyparissus nana	20-25cm	3L	5.00
211	Skimmia japonica 'Rubella'	30-40cm	3L	5.00
90	Spiraea japonica 'Goldflame'	30-40cm	3L	5.00
51	Viburnum davidii	20-25cm	3L	5.00

All trees to have clear stems to 2.0m above ground level with well developed branching heads with a single, central leader and healthy, fibrous root systems. Trees shall be planted into pits of an appropriate size to accommodate the root system without restriction, backfilled with a 3:1 topsoil/compost mix and shall be secured to a machine rounded stake using 1 no. tree tie with rubber spacers. Finished height of stake shall not exceed 1/3 height of staked tree above ground. Extra heavy standard trees in hard landscape within tree grilles to be underground guyed and fitted with an irrigation system such as RootRain by GreenBlue Urban. Underneath hard surfacing a crate system such as StrataCly by GreenBlue Urban, is to be installed. The extent of the pit to be fitted with a tree pit grate system is shown by the blue dashed line. All pits are to be 1m deep.

SPECIES	NUMBERS REQUIRED	
	Ht in m	4.5 min
Acer campestre 'Ebury'		6
Betula utilis 'Jaqueminottii' (Buj)		9
Carpinus betulus 'Frans Fontaine' (ChFF)		4
Prunus calleryana 'Chanticleer' (PcC)		2
Sorbus aucuparia 'Sheerwater Seedling' (SaS)		5

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NATIVE HEDGE

NATIVE HEDGE SCHEDULE					
Nr	Name	Height/cm	Age	Root	Pot/L
70	Acer campestre	60-80cm	1u1	BR	
70	Corylus avellana	40-50cm	1/0	BR	
701	Crataegus monogyna	40-50cm	1u1	BR	
140	Ilex aquifolium	50-60cm		C	2L
270	Ligustrum vulgare	50-60cm	0/1	BR	
70	Rosa canina	50-60cm	1/1	BR	
140	Sambucus nigra	60-80cm	1/1	BR	

Hedge to be planted in a previously prepared trench, 300mm wide and 450mm deep backfilled with a 3:1 mix of multipurpose topsoil to BS3882:2007 and planting compost. Bareroot transplants to be dipped in a suitable mycorrhizal dip before planting. Plants to be planted in a double staggered row, 300-350mm wide, at 5m plants per linear metre with species planted randomly throughout in groups of 7 to 30 of a single species. The hedge lines shall be marked after planting with forest mulch to a uniform depth of 50mm.

TURFING

The topsoiled area to be turfed, is to be grade and cross-graded to even running falls, to allow the finished levels of the turf to be 40mm above the adjoining paved areas. The surface should be lightly and uniformly firmed by rolling or treading and reduced to a fine finish up to 20mm in depth. All rubbish, stones greater than 50mm in diameter etc. shall be removed from the surface. Apply an even application of approved fertiliser at a rate of 70g/m² and rake in. No turves shall be laid in exceptionally frosty weather or in other unsuitable weather conditions. The turves shall be laid in a stretcher bond pattern, closely butted and firmed into position, to the correct levels. The turves should be laid off joints, working over turves previously laid. A dressing of fine, silted topsoil (complying with BS 3882) should be applied to the laid turf and brushed well into the joints. Turves shall be watered regularly to prevent them drying out before they establish.

NATIVE GROUND COVER PLANTING

GROUND COVER MIX SCHEDULE				
Nr	Name	Height/cm	Root	Pot/L
278	Cornus canadensis	C	2L	
463	Euonymus fortunei 'Silver Queen'	25-30cm	C	2L
180	Lamium maculatum	C	2L	
278	Lonicera periclymenum 'Belgica'	60-80cm	C	2L
640	Pachysandra terminalis 'Green Carpet'	30-40cm	C	2L

All plant material shall conform to BS3936 Parts 1 and 4 and BS 4428. Topsoil to comply with BS3882: 1994. Organic matter to be proprietary shrub planting compost, or approved compost derived from recycled organic matter. Slow release fertiliser to be 'Enmag' or similar. 450mm depth subsoil to be spread over area to be planted.

- Rev M: Correction to tree schedule and retained trees (SF) Oct 24
- Rev L: Updated to drawing DR-A-3003-A4-CS (SF) July 24
- Rev K: Updated to drawing DR-A-3003-S2-P2 (MNB) Apr 24
- Rev J: Updated to drawing DR-A-3003-A3-CS (MNB) Jan 24
- Rev H: Updated to site layout S3-P2 (SF) April 23
- Rev G: Updated to include additional native hedge to car park boundary and adjustment of species list (SF) Nov 21
- Rev F: Native hedge added behind the store (SF) Oct 21
- Rev E: Additional tree planting (SF) Oct 21
- Rev D: Entrance to Paradigm House updated and knee rail added (SF) Sept 21
- Rev C: Bollards and cycle hoops added in front of retail units (SF) Sept 21
- Rev B: Updated to latest site layout (SF) July 21
- Rev A: Amended in line with Proposed Site Plan Rev P3 (SEL) Mar 21

<p>Site: See Farmer at 162110</p> <p>Author: Landscape Architect</p>	<p>Client: Lidl Great Britain Ltd</p> <p>Project: Proposed Store</p> <p>BANKWOOD WAY, BIRSTALL</p> <p>Address: Westleigh Hall, Wakefield Road, Huddersfield HD2 8GZ</p> <p>Telephone: 01484 861611</p> <p>Fax: 01484 861616</p> <p>Mobile: 07831 946690</p> <p>Email: info@fdalandscape.co.uk</p> <p>Website: www.fdalandscape.co.uk</p>
<p>Scale: 1:200</p> <p>Date: Mar 21</p> <p>Drawn by: SEL</p> <p>Checked by: R/2459/1M</p>	<p>Drawing title: LANDSCAPE DETAILS</p>

WOODHEAD ROAD

BANKWOOD

MAY

PROPOSED RETAIL UNIT

PROPOSED FOODSTORE TYPE 1500 PFL +150.00

BANKWOOD WAY

KEY

- Existing trees, hedges and vegetation to be retained.
- Existing trees, hedges and vegetation to be removed.
- Proposed Extra heavy standard (16-18cm girth) tree.
- Proposed native hedgerow.
- Proposed ornamental shrub planting.
- Proposed ornamental groundcover mix.
- Proposed turf.
- Proposed 2000mm high palisade fence (detached by others).
- Proposed 1100mm hand rail.
- Proposed 450mm timber knee rail.
- Proposed retaining wall (detached by others).
- Proposed 200mm high palisade fence (detached by others).
- Proposed concrete.
- Proposed 200x100mm concrete block paving in Anthracite or Dark Grey.

NOTE: PLATFORM AND SERVICES FOR HOME BARGAINS UNIT IN LINE WITH BIRSTALL PLATEAU PERFORMANCE SPECIFICATION BY JKA

- Native Hedge Mix (5/lin m double)
- 24nr Acer campestre
 - 24nr Corylus avellana
 - 240nr Crataegus monogyna
 - 48nr Ilex aquifolium
 - 72nr Ligustrum vulgare
 - 24nr Rosa canina
 - 48nr Sambucus nigra

- Lid - Groundcover Mix (5/m²)
- 101nr Cornus canadensis
 - 189nr Euonymus fortunei 'Silver Queen'
 - 68nr Lamium maculatum
 - 101nr Lonicera periclymenum 'Belgica'
 - 237nr Pachysandra terminalis 'Green Carpet'

- Native Hedge Mix (5/lin m double)
- 14nr Acer campestre
 - 16nr Corylus avellana
 - 160nr Crataegus monogyna
 - 32nr Ilex aquifolium
 - 48nr Ligustrum vulgare
 - 14nr Rosa canina
 - 32nr Sambucus nigra

- Native Hedge Mix (5/lin m double)
- 14nr Acer campestre
 - 16nr Corylus avellana
 - 160nr Crataegus monogyna
 - 32nr Ilex aquifolium
 - 48nr Ligustrum vulgare
 - 14nr Rosa canina
 - 32nr Sambucus nigra

- Native Hedge Mix (5/lin m double)
- 14nr Acer campestre
 - 17nr Corylus avellana
 - 175nr Crataegus monogyna
 - 35nr Ilex aquifolium
 - 52nr Ligustrum vulgare
 - 17nr Rosa canina
 - 35nr Sambucus nigra