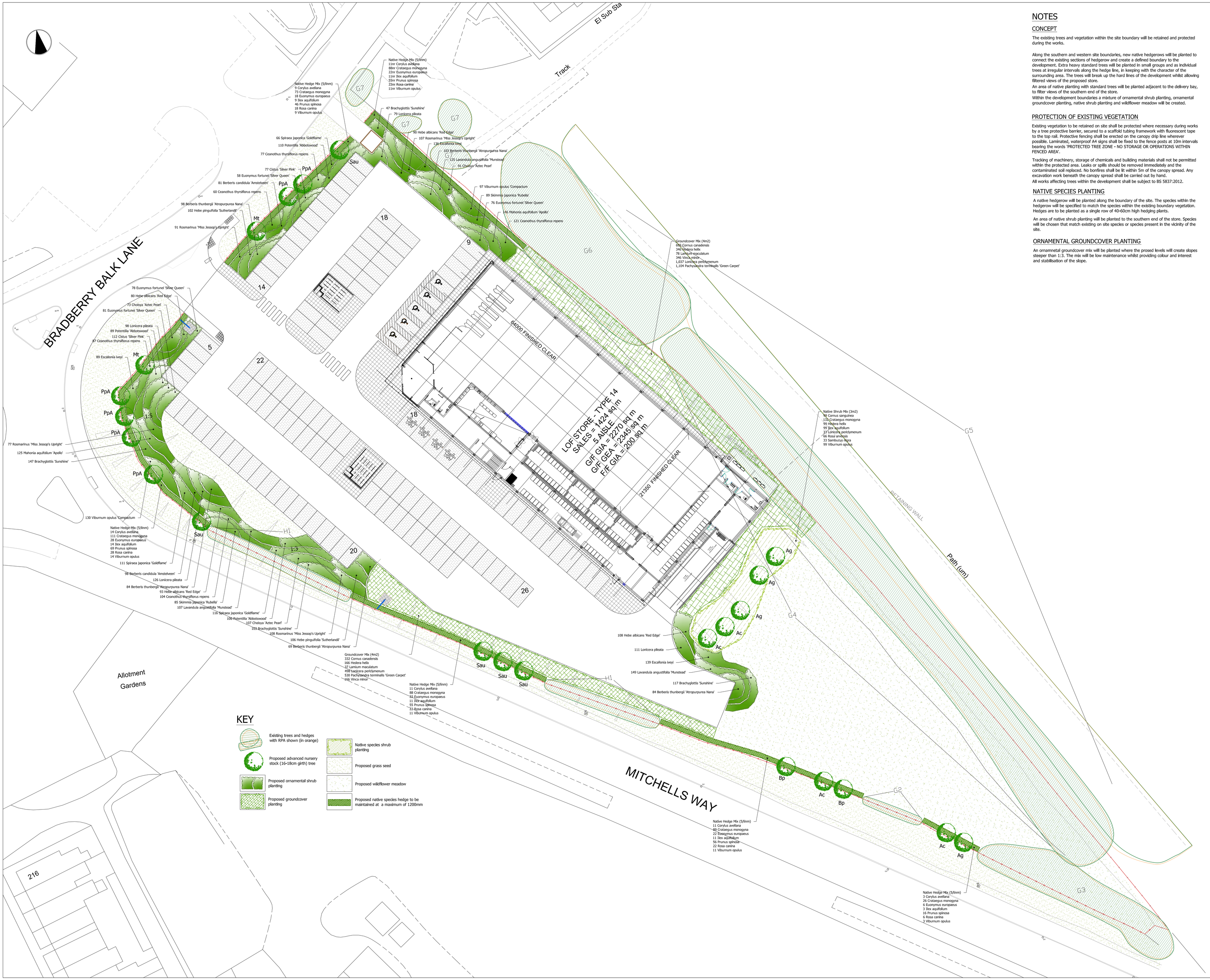

NOTES

CONCEPT

The existing trees and vegetation within the site boundary will be retained and protected during the works.

Along the southern and western site boundaries, new native hedgerows will be planted to connect the existing sections of hedgerow and create a defined boundary to the development. Extra heavy standard trees will be planted in small groups and as individual trees at irregular intervals along the hedge line, in keeping with the character of the surrounding area. The trees will break up the hard lines of the development whilst allowing filtered views of the proposed store.
An area of native planting with standard trees will be planted adjacent to the delivery bay, to filter views of the southern end of the store.
Within the development boundaries a mixture of ornamental shrub planting, ornamental groundcover planting, native shrub planting and wildflower meadow will be created.

PROTECTION OF EXISTING VEGETATION

Existing vegetation to be retained on site shall be protected where necessary during works by a tree protective barrier, secured to a scaffold tubing framework with fluorescent tape to the top rail. Protective fencing shall be erected on the canopy drip line wherever possible. Laminated, waterproof A4 signs shall be fixed to the fence posts at 10m intervals bearing the words 'PROTECTED TREE ZONE - NO STORAGE OR OPERATIONS WITHIN FENCED AREA'.

Tracking of machinery, storage of chemicals and building materials shall not be permitted within the protected area. Leaks or spills should be removed immediately and the contaminated soil replaced. No bonfires shall be lit within 5m of the canopy spread. Any excavation work beneath the canopy spread shall be carried out by hand.
All works affecting trees within the development shall be subject to BS 5837:2012.

NATIVE SPECIES PLANTING

A native hedgerow will be planted along the boundary of the site. The species within the hedgerow will be specified to match the species within the existing boundary vegetation. Hedges are to be planted as a single row of 40-60cm high hedging plants.

An area of native shrub planting will be planted to the southern end of the store. Species will be chosen that match existing on site species or species present in the vicinity of the site.

ORNAMENTAL GROUNDCOVER PLANTING

An ornamental groundcover mix will be planted where the prosed levels will create slopes steeper than 1:3. The mix will be low maintenance whilst providing colour and interest and stabilisation of the slope.

PLANTING SCHEDULES

ORNAMENTAL PLANTING SCHEDULE

Shrub

Nr	Name	Ht in cm	Pot(L)	Density
179	Berberis candidula 'Amstelveen'	25-30cm	3L	7.00
438	Berberis thunbergii 'Atropurpurea Nana'	20-30cm	3L	7.00
414	Brachyglottis 'Sunshine'	30-40cm	3L	7.00
449	Ceanothus thyrsiflorus repens	30-40cm (D)	3L	7.00
271	Choisya 'Aztec Pearl'	30-40cm	3L	7.00
189	Cistus 'Silver Pink'	30-40cm	3L	7.00
364	Escallonia iveyi	40-60cm	3L	7.00
293	Euonymus fortunei 'Silver Queen'	20-30cm (D)	3L	7.00
371	Hebe albicans 'Red Edge'	20-30cm	3L	7.00
208	Hebe pinguifolia 'Sutherlandii'	20-30cm	3L	7.00
381	Lavandula angustifolia 'Munstead'	30-40cm	3L	7.00
414	Lonicera pileata	30-40cm (D)	3L	7.00
271	Mahonia aquifolium 'Apollo'	30-40cm	3L	7.00
305	Potentilla 'Abbotswood'	25-30cm (D)	3L	7.00
383	Rosmarinus 'Miss Jessop's Upright'	30-40cm	2L	7.00
174	Skimmia japonica 'Rubella'	30-40cm	3L	7.00
293	Spiraea japonica 'Goldflame'	30-40cm	3L	7.00
227	Viburnum opulus 'Compactum	30-40cm	3L	7.00

All shrub material shall be first quality, sturdy, well rooted non-refridgerated stock with well branched heads and fibrous root systems. Shrubs shall be planted into 450mm good quality fibrous topsoil incorporating organic compost and slow release fertiliser in accordance with all good horticultural practice.
A proprietary geotextile membrane is to be installed between the soil and mulch of the planted areas cut with T or X slits to fit around the plants as required. All plant material shall be a minimum of 3L pot size unless otherwise specified and conform to BS3936 Part 1 and BS 4428. Finished beds shall be lightly forked over and dressed with 50mm coarse forest bark mulch.

TREE SCHEDULE

SPECIES		NUMBERS REQUIRED
	Ht in m	4.5+
	Girth in cm	16-18
Acer campestre (Ac)		4
Alnus glutinosa (Ag)		4
Betula pendula (Bp)		2
Malus tschonoskii (Mt)		2
Prunus padus 'Albertii' (PpA)		6
Sorbus aucuparia (Sau)		5

All trees to have clear stems to 1.8m 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 spacer. Finished height of stake shall not exceed 1/3 height of staked tree above ground.

NATIVE SHRUB MIX SCHEDULE

Nr	Name	Height/cm	Age	Root	Pot/L
99	Cornus sanguinea	40-60cm	1+1 or 1/1	B	
132	Crataegus monogyna	40-60cm	1+1 or 1/1	B	
99	Hedera helix	40-60cm		C	2L
99	Ilex aquifolium	60-80cm		C	3L
33	Lonicera periclymenum	60-80cm		C	3L
66	Rosa arvensis	30-40cm		B	
33	Sambucus nigra	60-80cm	1+1 or 1/1	B	
99	Viburnum opulus	40-60cm	1+1	B	

Native species shall be planted into 450mm depth, good quality clean topsoil incorporating organic compost and slow release fertiliser, over un-compacted sub-grade. Prior to planting all bareroot plant stock shall be dipped into a suitable mychorrizal plant dip in accordance with the manufacturers recommendations. Plants shall be planted in groups of 3-11 of a single species with the taller growing species to the back of the areas of the areas and the lower growing species to the edges of the areas. Planted areas to be mulched after planting with coarse grade forest mulch to a uniform depth of 50mm.

GROUNDCOVER MIX SCHEDULE

Nr	Name	Height/cm	Root	Pot/L
1024	Cornus canadensis	15-20cm	C	3L
512	Hedera helix	40-60cm	C	2L
115	Lamium maculatum	15-20cm	C	3L
1535	Lonicera periclymenum	60-80cm	C	3L
1634	Pachysandra terminalis 'Green Carpet'		C	2L
512	Vinca minor		C	3L

All plant material shall be first quality, sturdy, well rooted non-refridgerated stock with well branched heads and fibrous root systems. Plants shall be planted into 450mm good quality fibrous topsoil incorporating organic compost and slow release fertiliser in accordance with all good horticultural practice.
All plant material shall be a minimum of 3L pot size unless otherwise specified and conform to BS3936 Part 1 and BS 4428. Finished beds shall be lightly forked over and dressed with 50mm coarse forest bark mulch. Plants to be planted in groups of 5-11 of a single species.

NATIVE HEDGE SCHEDULE

Nr	Name	Height/cm	Age	Root	Pol/L
59	Corylus avellana	40-60cm	1+1	B	
475	Crataegus monogyna	40-60cm	1+1	B	
118	Euonymus europaeus	40-60cm	1+1	B	
59	Ilex aquifolium	40-60cm		C	3L
297	Prunus spinosa	40-60cm	1+1	B	
118	Rosa canina	30-40cm	1+1	B	
59	Viburnum opulus	40-60cm	1+1	B	

Native species shall be planted into 450mm depth, good quality clean topsoil to BS 3882:2015, incorporating organic compost and slow release fertiliser, over un-compacted sub-grade. Prior to planting all bareroot plant stock shall be dipped into a suitable mychorrizal plant dip in accordance with the manufacturers recommendations. Plants shall be planted in groups of 3-11 of a single species in a double staggered row. Hedge line shall be mulched after planting with coarse grade forest mulch to a uniform depth of 50mm.

WILDFLOWER SEED MIX

Subsoil to be cultivated using a disc harrow or rotovator, to 30mm depth then further cultivated and rolled to produce a firm seed bed.
An 80% grasses:20% wildflower seed mix to be sown, Eg: Emmorsagte Seeds - EM2 - Standard General Purpose Meadow Mixture, sown at 4g/m².

LOW MAINTENANCE GRASS MIX

100mm depth of topsoil complying with BS3882 to be spread to area.
Pre-seed fertiliser to be applied at 50gm/m². Soil to be cultivated using a disc harrow or rotovator, to 50mm depth then further cultivated and rolled to produce a firm seed bed.
Low maintenance grass seed mix such as British Seed Houses A22 mix to be sown at 35gm/m2 to all amenity grass areas, as show.

REV.C: Root Protection Areas (RPA) added to drawing for trees and hedges (EW) — Sep 2015
REV.B: Layout updated to include proposed sub-station. (EW) — Sep 2015
REV.A: Layout updated in line with drawing 1849/10N - Proposed Site Plan. Planting details and specification added. (EW) — July 2015

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project: Proposed Store Development

MITCHELLS WAY, WOMBWELL

drawing title: LANDSCAPE DETAILS

scale	date	dwn by	drawing no
1:250 @A0	Jul 15	EW	R/1746/1C