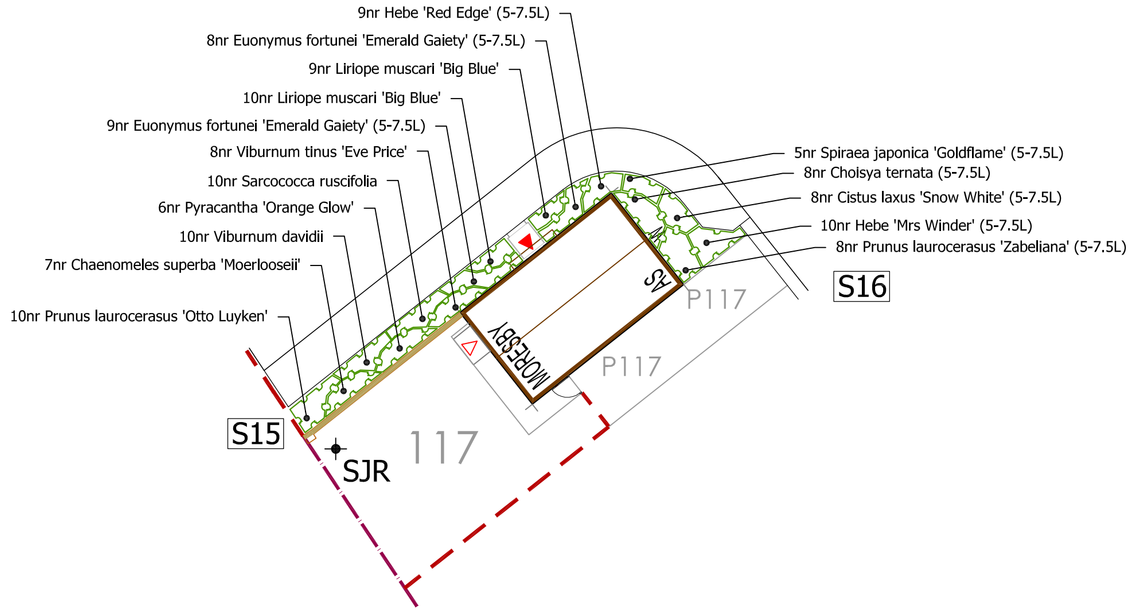

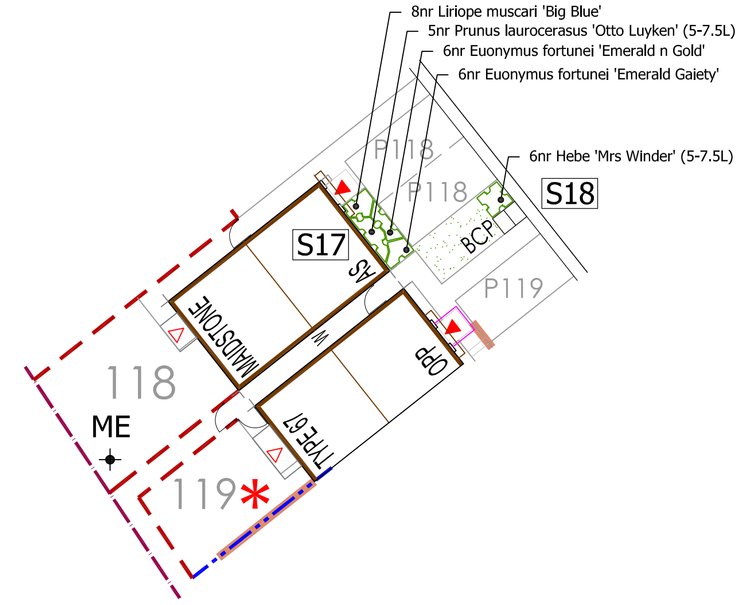

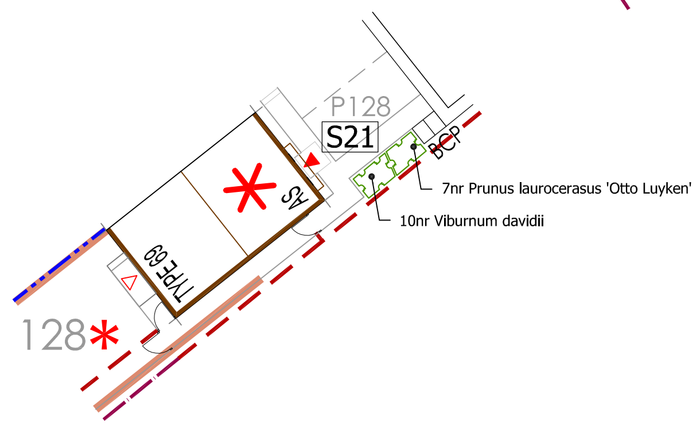

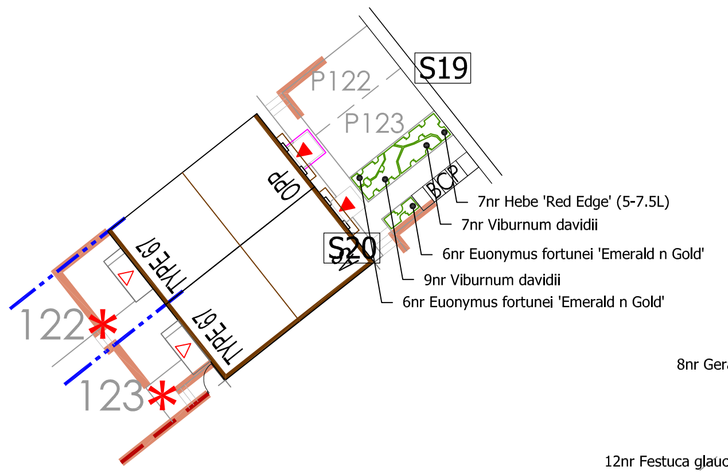

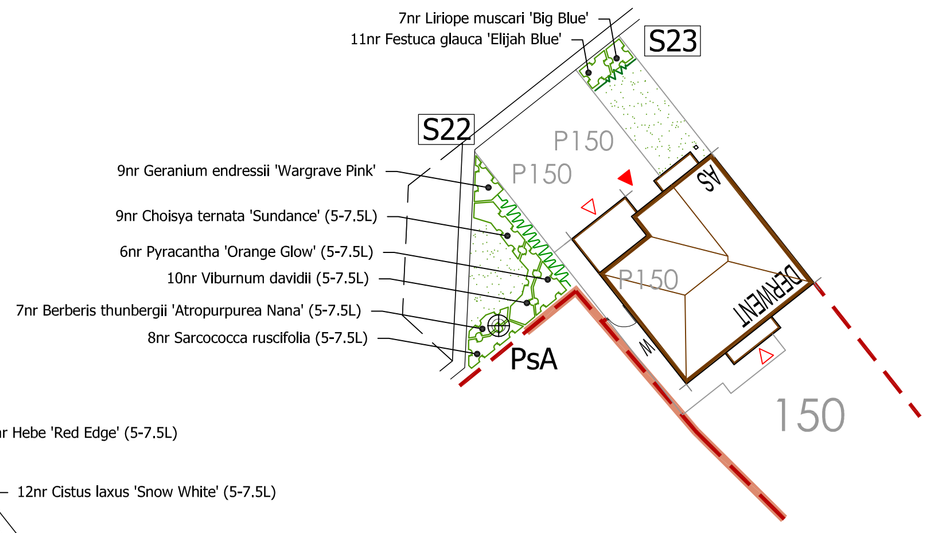

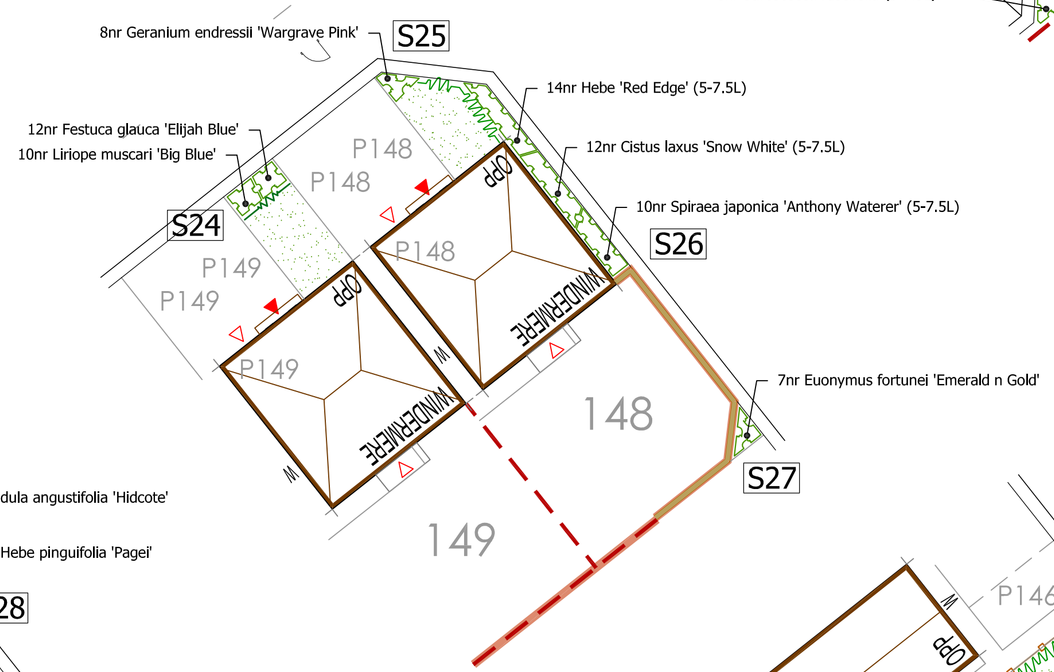

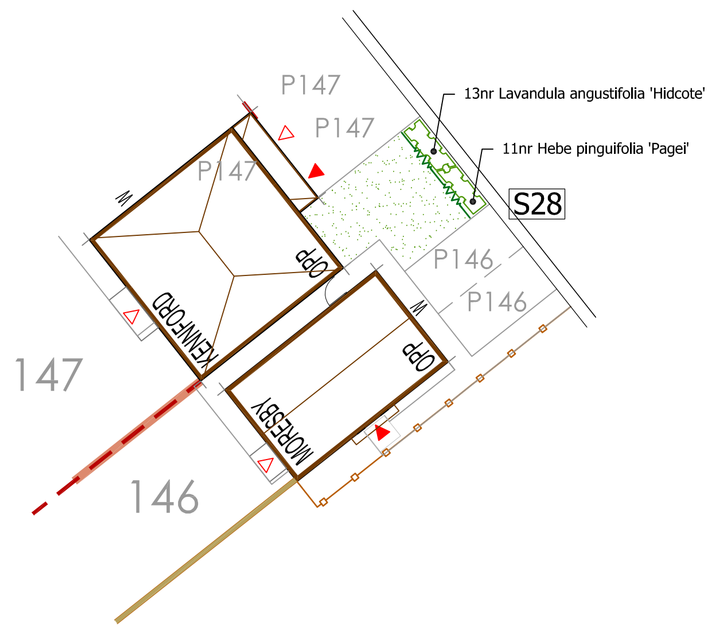

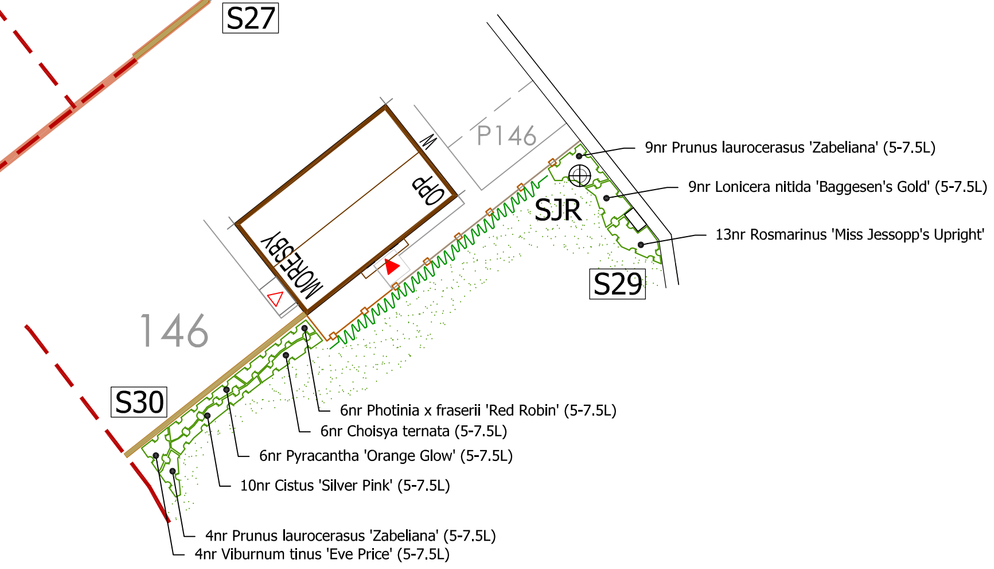

TURFING TO FRONTAGES

150mm depth topsoil complying with BS3882:2015 to be spread to the area to be turfed. The topsoil, is to be graded 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 tiilth up to 25mm 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 planks, working over turves previously laid. A dressing of fine, sifted topsoil (complying with BS 3882:2015) 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.

TREE SCHEDULE

SPECIES	Ht in m	NUMBERS REQUIRED 3.0-3.5	3.5-4.25	4.25 min
	Girth in cm	10-12	12-14	14-16
Acer campestre 'Elsrijk' (AcE)		-	2	-
Acer platanoides 'Lacinatum' (ApL)		2	1	-
Betula pendula (Bp)		3	-	-
Carpinus betulus 'Frans Fontaine' (CbFF)		-	-	4
Malus 'Everest' (ME)		3	-	-
Prunus sargentii (Ps)		2	-	-
Prunus x subhirtella 'Autumnalis' (PsA)		-	1	-
Pyrus calleryana 'Chanticleer' (PcC)		-	3	-
Quercus robur (Qr)		-	1	-
Sorbus 'Joseph Rock' (SJR)		1	1	-
Tillia cordata 'Greenspire' (TcGS)		4	-	-

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. All trees to be rootballed or container grown unless otherwise specified.
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. Foundation design of new buildings shall accommodate proposed tree planting in accordance with NHBC guidelines.

HEDGE SCHEDULE

Species	Pot Size	Size in cm	Nos Reqd
Escallonia 'Apple Blossom' (Evergreen)	5L	60-80	159

Hedge to be planted as a single row 300mm apart (3/linm)

Species	Age	Size in cm	Nos Reqd
Fagus sylvatica (Beech)	1+1	60-80	560

Hedge to be planted as a double staggered row with plants set 200mm apart (7/linm)

Plant material to be planted into prepared trenches backfilled with a 3:1 mix of multi-purpose topsoil to BS3882:2015 and proprietary planting compost with added slow release fertiliser. For the Beech hedge the trench shall be a minimum of 400mm wide by 400mm deep. For the Escallonia hedge the trench shall be a minimum of 150mm wider and deeper than the pot rootball and the plants shall be planted at even spacings in a continuous line. The hedge lines shall be mulched after planting with a uniform depth of 50mm depth of coarse bark mulch.

NATIVE SPECIES SHRUB SCHEDULE

NATIVE TREE & SHRUB MIX

Nr	Name	Height/cm	Age	Root	Pot/L
5	Acer campestre	150-175cm	2x	BR	
5	Betula pendula	60-80cm	1/1	BR	
25	Corylus avellana	40-60cm	1/1	BR	
12	Ilex aquifolium	40-60cm		C	3L
12	Prunus spinosa	40-60cm	1/1	BR	
18	Rosa canina	50-60cm	1/1	BR	
5	Sorbus aucuparia	60-80cm	1/1	BR	
35	Viburnum opulus	60-80cm	1/1	BR	

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 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. Photodegradable or biodegradable mulch mats to be used. Plants to be fitted with rabbit guards.

NATIVE HEDGE

NATIVE HEDGE SCHEDULE

Nr	Name	Height/cm	Age	Root	Pol/L
58	Acer campestre	40-50cm	1/1	BR	
355	Corylus avellana	40-60cm	1/1	BR	
355	Crataegus monogyna	40-50cm	1/1	BR	
119	Ilex aquifolium	60-80cm		C	3L
236	Prunus spinosa	60-80cm	1/1	BR	
58	Rosa canina	30-40cm	1/1	BR	

Hedge to be planted in a previously prepared trench, 500mm wide and 450mm deep backfilled with a 3:1 mix of multipurpose topsoil to BS3882:2015 and planting compost. Bareroot transplants to be dipped in a suitable mychorrizal dip before planting. Plants to be planted in a double staggered row, 300-350mm wide, at 5nr. plants per linear metre with species planted randomly throughout in groups of 7 to 30 of a single species.
The hedge lines shall be mulched after planting with forest mulch to a uniform depth of 50mm
NOTE: Crataegus monogyna (Hawthorn) is not to be planted within 10m of any building

GRASS SEEDING

WILDFLOWER 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: Emorsgate Seeds, EM2: Standard General Puurpose Meadow Mix at 4gm/square meter.

PLANTING SCHEDULES

ORNAMENTAL PLANTING SCHEDULE

Herbaceous

Nr	Name	Ht in cm	Pot(L)	Density
34	Carex morrowii 'Evergold'		3L	11.00
55	Cornus canadensis		3L	4.00
57	Festuca glauca 'Elijah Blue'		3L	9.00
30	Geranium endressii 'Wargrave Pink'		3L	6.00
52	Liriope muscari 'Big Blue'		3L	7.00
46	Sedum spectabile 'Stardust'		3L	7.00

Shrub

Nr	Name	Ht in cm	Pot(L)	Density
6	Aucuba japonica 'Rozannie' (5-7.5L)	40-60cm	5-7.5L	3.00
30	Berberis thunbergii 'Atropurpurea Nana'	25-30cm	3L	6.00
7	Berberis thunbergii 'Atropurpurea Nana' (5-7.5L)	30-40cm	5-7.5L	6.00
7	Chaenomeles superba 'Moerlooseii'	40-60cm	3L	4.00
26	Choisya ternata (5-7.5L)	40-60cm	5-7.5L	3.00
9	Choisya ternata 'Sundance'	30-40cm	3L	4.00
9	Choisya ternata 'Sundance' (5-7.5L)	40-60cm	5-7.5L	4.00
33	Cistus laxus 'Snow White' (5-7.5L)	40-60cm	5-7.5L	4.00
12	Cistus 'Silver Pink'	30-40cm	3L	5.00
31	Cistus 'Silver Pink' (5-7.5L)	40-60cm	5-7.5L	4.00
28	Euonymus fortunei 'Emerald Gaiety'	20-30cm(D)	3L	6.00
17	Euonymus fortunei 'Emerald Gaiety' (5-7.5L)	30-40cm(D)	5-7.5L	4.00
34	Euonymus fortunei 'Emerald n Gold'	20-30cm(D)	3L	6.00
5	Euonymus fortunei 'Emerald 'n' Gold' (5-7.5L)	30-40cm(D)	5-7.5L	4.00
44	Hebe 'Mrs Winder' (5-7.5L)	40-60cm	5-7.5L	4.00
39	Hebe pinguifolia 'Pagei'	20-30cm(D)	3L	6.00
30	Hebe 'Red Edge' (5-7.5L)	30-40cm(D)	5-7.5L	5.00
33	Hedera helix 'Goldheart'	40-60cm	3L	4.00
81	Lavandula angustifolia 'Hidcote'	25-30cm	3L	6.00
37	Lonicera nitida 'Baggesen's Gold' (5-7.5L)	40-60cm	5-7.5L	4.00
65	Lonicera periclymenum 'Belgica'	40-60cm	3L	4.00
27	Pachysandra terminalis 'Green Carpet'	20-30cm(D)	3L	6.00
6	Photinia fraserii 'Red Robin'	30-40cm	3L	4.00
14	Photinia x fraserii 'Red Robin' (5-7.5L)	40-60cm	5-7.5L	3.00
26	Prunus laurocerasus 'Otto Luyken'	50-60cm	3L	4.00
5	Prunus laurocerasus 'Otto Luyken' (5-7.5L)	40-60cm	5-7.5L	3.00
28	Prunus laurocerasus 'Zabeliana' (5-7.5L)	40-60cm	5-7.5L	3.00
6	Pyracantha 'Orange Glow'	60-80cm	3L	3.00
12	Pyracantha 'Orange Glow' (5-7.5L)	80-100cm	5-7.5L	3.00
13	Rosmarinus 'Miss Jessopp's Upright'	30-40cm	3L	5.00
23	Sarcococca ruscifolia	25-30cm	3L	5.00
8	Sarcococca ruscifolia (5-7.5L)	30-40cm	5-7.5L	4.00
7	Skimmia japonica 'Rubella'	30-40cm	3L	4.00
28	Spiraea japonica 'Anthony Waterer' (5-7.5L)	40-60cm	5-7.5L	4.00
10	Spiraea japonica 'Goldflame'	30-40cm	3L	4.00
11	Spiraea japonica 'Goldflame' (5-7.5L)	40-60cm	5-7.5L	4.00
43	Viburnum davidii	25-30cm	3L	5.00
16	Viburnum davidii (5-7.5L)	30-40cm	5-7.5L	4.00
19	Viburnum tinus 'Eve Price'	30-40cm	3L	4.00
13	Viburnum tinus 'Eve Price' (5-7.5L)	40-60cm	5-7.5L	3.00
65	Vinca minor	40-50cm		4.00

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 (To BS BS3882:2015) 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.

TURFING

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Rev C: Additional planting to sub station area (SF) March 21
Rev B: Native hedge schedule updated (EW) March 21
Rev A: Bed S32 amended. Shrub and native species schedules updated (EW) Dec 20

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client
Barratt and David Wilson Homes

project
Residential Development
Helme Lane
MELTHAM
(Phase 2)

drawing title
LANDSCAPE DETAILS
Plots 117 to 150 - Shrub Beds S15 to S30

scale	date	drwn by	drawing no
1:200/A2	Nov 20	EW	R/1782/10C