



specification notes

- Prior to construction on site, protective fencing shall be erected around each hedge, tree or group at a minimum radius from the trunk of the tree of the canopy extent plus 10% (whichever is the greater). No soil, spoil or other material shall be deposited within the fenced areas;
- Underground services to be routed to avoid fenced areas;
- No burning to take place within 10m of the furthest extent of the canopy of trees to be retained on site or on land adjoining;
- The fence shall be kept in constant repair throughout the development work;
- The protective fencing shall be retained in position until completion of the development; should the fence temporarily need to be removed to complete works, then it shall be replaced immediately following completion and at least at the end of each day;
- The fence shall be at least 2.4 metres high, comprising of a scaffolding framework, as in 8.2.2 of BS 5837 (2012), supporting Hericium fencing
- Tree locations are subject to confirmation of engineering and foundation details. Foundations shall comply with guidelines set by structural engineering consultants, and shall accord with the current MRC Standards Building near Trees and shall accommodate immediate and future impact of tree or shrubs on buildings and their foundations.
- All native species to be sourced from preferably local or at least UK stock;
- Any proposed substitutions, whether species, cultivar, pot size or other specification, must be approved by landscape architect prior to planting;
- Any significant layout changes necessitating revised details (such as new retaining walls casting shade on planting beds) should be reported to the landscape architect;
- All Nursery Stock to comply with BS3936 Part 1:1992 and all subsequent amendments;
- All Landscape operations to comply with BS428:1989 and all subsequent amendments; and
- The supply, planting and aftercare of trees will be in accordance with BS 8545:2014 and no tree to be accepted for planting until it has been shown to be compliant with Table 1 p.21

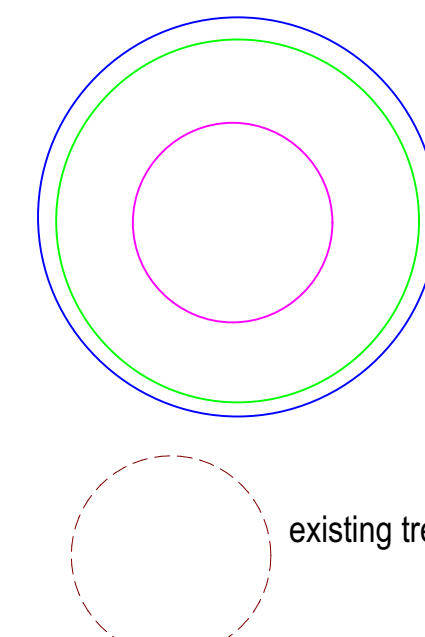
- WATERING**
- During tree, hedge, shrub, perennial and grass establishment and for duration of maintenance period ensure that sufficient water is applied using a hose to maintain healthy growth. During very dry summer spells, trees to be watered at rate of 25L and shrubs at 15L per plant per week during establishment. Draw back mulch and water with hose. Do not use sprays or sprinklers (except for grass and wildflowers) as these just wet the top of the mulch and do not penetrate the root zone.
- The landscape contractor to make him/herself aware of any underground services prior to planting.
- Any poor site or soil preparation or conditions to be reported to site manager for remediation prior to planting.
- SOILS**
- Topsoil and subsoil to be stored in separate, non-overlapping mounds and topsoil should be stripped from any areas used for subsoil storage. The minimum amount of compaction should be applied when forming soil storage mounds, they should not be greater than 3m in height and subsoil mounds should be no higher than 4m.
- The protection of topsoil and subsoil for planting areas should accord with the Construction Code for the Sustainable Use of Soils on Construction Sites (DEFRA, 2009), BS 3882:2015 and BS 8545:2014.
- All soil handling (stripping, storage, amelioration and placement) will be carried out in accordance with the approved SRP. Soils will only be imported where a shortfall of appropriate soil is apparent, and the imported soils will be certified in accordance with BS 3882:2015 and BS 8545:2014, and found to be fit for purpose via the soil scientist's interpretive report.
- Soil for rain gardens, in addition to the above specification, to be of minimum permeability 40%, and minimum conductivity 30mV. Refer to Engineer details for SUDS construction details;
- Great care must be taken to preserve existing soil quality and integrity;
- All ground modelling to be to smooth and flowing contours new soil level to be feathered to marry into adjacent levels;
- Soil levels to remain unchanged in RPAs of existing hedges and trees;
- All planting and grass areas to be cultivated, with prior ripping where necessary to relieve compaction caused by tracking.

- Planting areas to be spread with topsoil to a depth of 300mm for planting beds, above subsoil; soils allowed to settle prior to planting or seeding.
- TREE PITS**
- Tree pits to be excavated to minimum 1m x 1m x depth of rootball. In sloping ground, maintain horizontal bases and vertical sides with no less than minimum depth throughout. Spike bottoms of pits if compacted with a fork to a depth of 150mm and scarify sides;
- All tree pits to be back filled with 600mm subsoil followed by 300mm topsoil;
- All non-biodegradable wrappings, cages etc. to be completely removed on planting. Biodegradable wrappings also to be removed, but may, where root-ball collapse is a concern, be cut and peeled back to no less than one-third rootball height; these peeled back rootball wrappings are to be removed not folded in so as not to impede root development;
- All tags, plastic ties and bamboo canes to be removed from trees.
- In the case of a shortfall of site-won soil being available to plant trees of Extra Heavy Standard (EHS) size or above, imported soils will need to meet the 'sandy loam' natural range and be of slightly acid-neutral pH.
- All trees of EHS size or above should be seated on 150mm-400mm (dependent on site conditions) horticultural grade sharp sand.
- All rootballed trees to be planted with GreenBlue Urban 'Root Rain Urban' watering pipes and anchored underground with GreenBlue Urban 'Anchorage' Rootball Fixing System at fitted according to manufacturer's instructions; for trees up to 45cm diameter, anchor system SAS/CSB to be used, together with SASDRXLA drive rods;
- All planted trees are to be provided with an appropriate soil volume to allow suitable rooting space
- Required areas at 0.9m deep are shown on the plans and required volumes for a single tree are as follows:
- Acer 'Annua' 15m³ (16.5m²)
- Acer latifolium ginnala 21m³ (23m²)
- Amelanchier lamarckii 11m³ (12m²)
- Alnus glutinosa 17m³ (19m²)
- Betula alba 'Fascination' 14m³ (15.5m²)
- Crataegus x prunifolia 8m³ (9m²)
- Ulmus 'New Horizon' 25m³ (28m²)
- Where trees are grouped overall volume may be shared as shown on the plans
- Root barriers GreenBlue Urban Renoot 1000 to be installed to engineer approval;
- Product manufacturer specifications are to be used.
- All avenue trees to be similar height, form and habit;
- Bareroot/containerised trees to be staked with short triple stakes a maximum of one quarter the height of the tree above ground, and fixed with biodegradable hessian ties such as 'Natures' available in 30m rolls from GreenBlue Urban.

- HEDGES AND OTHER PLANTING**
- Hedges to be planted in centre of 0.9m wide bed in single rows at minimum 500mm from kerb;
- All planting beds adjacent grass areas and tree pits in grass to be edged with half round edging tool to separate mulch from grass by forming neat and vertical edges;
- All planting beds but not tree pits to receive peak-free compost during cultivations at a rate of 1m³ to 2m² and slow release fertiliser (e.g. Fison 140) at rate of 25g/plant; beds to be thoroughly watered following planting and before mulching;
- All plants to receive Green-tec mycorrhizal Root Grow (granules for general planting and root dip for bare root planting), applied according to manufacturer recommendations;
- Much to be dark brown mixed conifer bark of particle size 8-35mm and pH range 5.0-7.0 to BS PAS 100:2005; mulch to be laid to 75mm (settled) depth;
- Trees to be mulched with a circle of 1.2m radius where practicable, extending lengthways or widthways as appropriate to retain same area in awkward spaces; mulch to taper to 25cm over the surface of the rootball and to 20mm at the edge of kerbs and hard surfaces;
- All trees in grass to be planted in mulched edged bed of 2.4m diameter as above;
- Watering to continue as required throughout first growing season following planting;
- WILD FLOWER GRASSLAND**
- For new wildflower areas and remedial areas: Wildflower grass seed is to be Emongate EM1 Meadow Mix sown at 4g/m². All to be sown in suitable conditions onto finely cultivated subsoil using shaver-aerator; spread with 10-15mm layer of compost, worked into the top layer and watered in (to ensure some nitrogen but low phosphorus);
- For instant impact if required, in lieu of seeding, WILDFLOWER TURF laid on topsoil as per supplier recommendation; supply option with plant paper in lieu of plastic mesh (suited to both sun and shade) WFT-LANDSCAPE-34
- SUDS WILDFLOWER GRASSLAND** (including raised planters)
- SUDS TURF from www.wildflowerurf.co.uk laid on topsoil as per supplier recommendation
- SUDS turf: WFT-SUD-37
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legend

- proposed shrub beds
- proposed hedge, including rain garden hedges
- proposed lawn turf e.g. 'Shademaster'
- proposed pollinator friendly rain garden planting
- timber raised planter with SUDS wildflower turf
- proposed native wildflower seeded grassland established on site-won topsoils
- SUDS wildflower turf established on site-won topsoils
- timber boardwalk with anti-slip surface and hand rail on one side
- minimum area of 0.9m depth soil to be available to ensure optimum tree growth
- Coed Dinefwr green oak timber bench with armrests



existing trees retained, with existing RPA (pink), future extent of canopy growth (green) and future RPA extent (blue); refer to Arb Tech AIA for further details including Construction Exclusion Zone

Bat Box Locations

Vivara Pro UK Build In Half Open Bird Box Locations

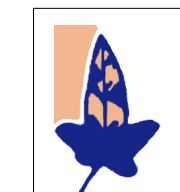
Vivara Pro UK Build In Swift Bird Box Locations

planting specification

Spacing	ID	No.	Latin Name	Scheduled Size	
TREE	Ag	4	Alnus glutinosa	16-18cm	Rootballed
3/1mm	AgS	143	Aucuba japonica 'Salicifolia'	80-90cm, 7L	7 breaks in lower third, bushy
TREE	Al	8	Amelanchier lamarckii	12-14cm	single stem
5m/2	Apl	55	Aster pyrenaeus 'Luteol'	26-40cm, 3L	Bushy
TREE	Alg	5	Acer latifolium ssp. ginnala	3.5m fibred	BR
TREE	AzA	10	Acer x zoeschense 'Annua'	3.5m, 2m clear stem	20-24cm
SPEC	Ba	10	Buddleia alternifolia	60-80cm, 5L	7 breaks in lower third
TREE	BaF-10/12	31	Betula albosinensis 'Fascination'	10-12cm	Rootballed
TREE	BaF-18/20	23	Betula albosinensis 'Fascination'	16-20cm	Rootballed
BE	BE	570	Bergenia Erical	30-40, 3L	Full pot
as shown	Ca-1	312	Corylus avellana	1+2, 80-100cm	BR
2.5/1mm	CaSi	384	Cornus alba 'Sibirica'	60-90cm, 3L	3 breaks in lower third
5/1mm	Cb-H	574	Carpinus betulus	100-125cm, BR	1+2, 5 breaks
2/1m	CJ	97	Colocaster 'John Waterer'	40-60cm, 3L	7 breaks in lower third
as shown	Cm-BR	237	Cornus sanguinea 'Midwinter Fire'	1+2, 80-100cm	BR
4m/2	CMF	337	Cornus sanguinea 'Midwinter Fire'	30-40cm, 3L	Bushy
TREE	Cpr	8	Crataegus prunifolia	16-18cm	Rootballed
as shown	Cs	414	Cornus sanguinea	1+1, 60-80cm	BR
4m/2	CsK	344	Cornus stolonifera 'Kelsey'	30-40cm, 3L	Bushy
4m/2	CWD	380	Choisya divaricata 'White Dazzler'	40-60cm, 3L	
3m/2	Cxp	149	Cistus x pulchellus 'Sunset'	40-60cm, 5L	7 breaks in lower third, bushy
5m/2	Dw	60	Dryopteris wallachiana	60-80, 7.5L	
3/1mm	Ee	226	Elaeagnus ebbingei	30-40cm, 3L	3 breaks in lower third
2/1m	Esi	64	Escallonia 'Iveyi'	40-60cm, 3L	3 breaks in lower third
4m/2	GJB	328	Geranium 'Johnson's Blue'	2L	Full pot
8m/2	Gm	60	Geranium macrorrhizum	2L	Full pot
CLIMBER	HDV	328	Hedera colchica 'Dentata Variegata'	60-90cm, 3L	caned, min 2 breaks
4m/2	HHB	41	Hebe 'Midsummer Beauty'	30-40cm, 3L	3 breaks in lower third
4m/2	HHH	230	Hedera helix 'Hibernica'	9cm pot	Full pot
3m/2	HPD-1	275	Hydrangea paniculata 'Pink Diamond'	40-60cm, 3L	5 breaks in lower third
4m/2	HSO	72	Hemerocallis 'Stella d'Oro'	30-40cm, 3L	Full pot
3m/2	HW	149	Hebe 'Wormist'	30-40cm, 5L	3 breaks in lower third
6m/2	HxH	249	Hebe x pulchellus 'Sunset'	20-30cm, 3L	Full pot
as shown	la-H	155	Ilex aquifolium	120-150cm, 7L	5 breaks in lower third
8m/2	lae	452	Iris laevigata	20-30, 3L	Full pot
3m/2	Ip	186	Iris pseudacorus	9cm pot	full root ball
6m/2	IRB	419	Impatiens cylindrica 'Red Baron'	3L	Full pot
6m/2	Isb	384	Iris sibirica 'Caesar's Brother'	9cm pot	Full pot
as shown	Lp	51	Lonicera periclymenum	60-90cm, 3L	min 2 breaks, cane removed on planting
4m/2	Ma	387	Malva aquifolium 'Apollo'	20-30cm, 3L	main leader, well branched
4m/2	PBS	258	Phormium 'Bronze Surfer'	40-60cm, 3L	Minimum of 5 spears
8m/2	PDR	438	Persicaria amplexicaulis 'Fats Domino'	20-30, 3L	Full pot
4m/2	Pod	29	Physocarpus opulifolius 'Diablo'	40-60cm, 3L	3 breaks in lower third
3m/2	Pos	117	Polystichum setiferum	30-40, 3L	Full pot
SPEC	PvR-25	164	Rosa canina	Half standard 25L	40-50cm ball
as shown	Rca	177	Rosa 'Kent'	1+2, 80-100cm	BR, 5 breaks in lower third
4m/2	RK	78	Rosa 'Kent'	30-40, 3L	5 breaks in lower third
2m/2	Rn	219	Ribes nigrum 'Ben Sarek'	60-80cm, 5L	bushy, 5 breaks
4m/2	Rob	228	Rosa bonica	30-40, 3L	5 breaks in lower third
4m/2	SIF	133	Spiraea japonica 'Firelight'	30-40cm, 3L	7 breaks in lower third
4m/2	SKS	9	Skimmia 'New Green'	40-60cm, 12L	5 breaks in lower third
2m/2	SR	134	Skimmia 'Revelesian'	30-40cm, 5L	5 breaks in lower third
TREE	UNH	21	Ulmus 'New Horizon'	20-25cm	Rootballed, 2.5m clear stem
4m/2	Vb	99	Verbenia x bonariensis	30-40, 3L	5 breaks in lower third
as shown	Vv	312	Viburnum opulus 'Fascination'	1+2, 60-90cm	BR or CG
3m/2	Vx	202	Vernemstrum virginicum 'Fascination'	30-40, 3L	full pot
4m/2	Vx	202	Vernemstrum virginicum 'Fascination'	30-40, 3L	3 breaks in lower third

Read with Sheet 1; for Management Plan refer to Sheet 1

Revision C March 2026: Tree soil volumes added to drawing; planting detail clarified; some Acers in smaller beds replaced with Crataegus; Revision B January 2026: Drawing revised for planning, with addition of Plots 143-148 and amended title; Revision A December 2025: Revised SuDS layout



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job title
Old Dock Road,
Newport
client
Newport City Homes

drawing title
Planting &
Management Plan
Sheet 2 of 2

scale · 1:250 at A0
date · January 2025
drawn · CME
drawing number · 647/01
revision ·