



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 Herries 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 NHBC 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 BS4428:1998 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 5L per plant per week during establishment. Draw back mulch and water with hose. Do not use spray or sprinkler. 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 scanty sides;

• Percolation tests to be carried out underneath tree pits to assess any need for drainage installation; design for such drainage to be approved by CA.

• 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-bail collapse is a concern, be cut and peeled back to no less than one-third root-bail height; these peeled back rootbail 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' textural 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 'Artorgury' Rootball Fixing System all fitted according to manufacturer's instructions; for trees up to 45cm diameter, anchor system SASLCS to be used, together with SASDXXLA drive rods;

• 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 tataricum ginnala 21m3 (23m2)
Amelanchier lamarckii 11m3 (12m2)
Alnus glutinosa 17m3 (19m2)
Betula alba 'Fascination' 14m3 (15.5m2)
Crataegus x prunifolia 8m3 (9m2)
Lilium 'New Horizon' 25m3 (26m2)
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 'Naturtie' available in 30m rolls from GreenBlue Urban.

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 scanty sides;

• 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 SHP. 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 8601:2015, 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 porosity 40%, and minimum conductivity 30mhr. Refer to Engineer details for SUDS construction details;

• Great care must be taken to preserve existing soil quality and integrity;

• All planted trees are to be provided with an appropriate soil volume to allow suitable rooting space

• 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;

HEDGES AND OTHER PLANTING

• Hedges to be planted in centre of 0.8m width 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 moon edging bolt to separate mulch from grass by forming neat and vertical edges;

• All planting beds but not tree pits to receive peat-free compost during cultivation at a rate of 1m3 to 20m2 and slow release fertiliser (e.g. Flocite 140) at rate of 25g/plant; beds to be thoroughly watered following planting and before mulching;

• All planting beds to receive Green-tech mycorrhizal Root Grow (granules for general planting and root dip for bare root planting), applied according to manufacturer recommendations;

• Mulch 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 20cm 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

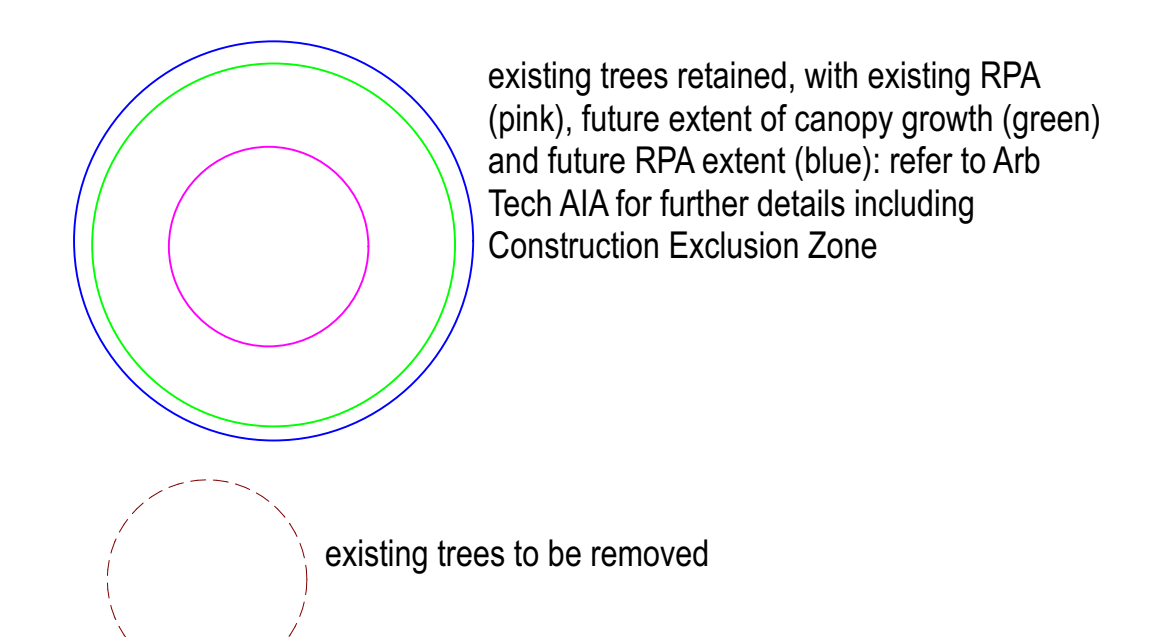
• For new wildflower areas and remedial areas: Wildflower grass seed is to be Emergate EM1 Meadow Mix sown at 4g/m2. All to be sown in suitable conditions onto finely cultivated subsoil using shake-aerator; spread with 10-15mm layer of compost, worked into the top layer and watered in (to ensure some 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.wildflower.co.uk laid on topsoils as per supplier recommendation
SUDS turf: WFT-SUD-37

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



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

Revision D March 2026: notes added re: percolation tests under tree pits with drainage installed as required; the specified sand layer shown on the drawing
Revision C March 2026: Tree soil volumes added to drawing; planting detail clarified; some Acer in smaller beds replaced with Crataegus
Revision B January 2026: Drawing revised for planning, with addition of Pits 143-148 and amended title
Revision A December 2025: Revised SUDS layout

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Pars Sedile · Libanus · Broom · LDB SWN

job title
Old Dock Road,
Newport
client
Newport City Homes

drawing title
Planting &
Management Plan
Sheet 2 of 2

scale · 1:250 at A0
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revision ·