

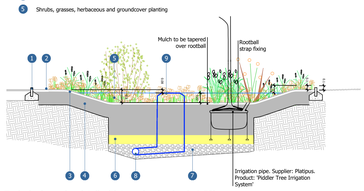
Rootball fixing diagram: Platipus Rootball Strap Fixing System

Root barriers to be provided adjacent to kerbs, such as ReRoot Ribbed Barrier by Green Blue Urban, or similar and approved.

Note:
All non-perishable root-ball wrappings and cages to be removed, perishable wrappings and cages to be retained only where root-ball soils lack cohesion due to their textural qualities, but are then cut and peeled back to one-third root-ball height once the tree is in position, with the cut and peeled back parts removed. The peeled back parts must be removed at the same time as back-filling to support the root-ball. Perishable wrappings and cage constitute single thickness, untreated hessian and non-galvanized, narrow gauge wire. Non-perishable include double wrapped or treated hessian and thick, galvanized wire.

Typical detail showing tree planting in planting area (scale 1:25)

1. Kerbs to engineer's details.
2. Verge
3. 20 mm sized graded aggregate laid loose as stone mulch 50-70mm depth. No geotextile/ membrane to be installed under the gravel.
4. 700mm depth filter medium
5. Shrubs, grasses, herbaceous and groundcover planting
6. 200mm depth transition layer (grit sand).
7. Drainage layer: 6-10 mm sized clean stone
8. Perforated drainage pipe: refer to engineer's details
9. Overflow/outlet: refer to engineer's details



Typical rain garden detail with tree planting (scale 1:50)

Outline growing medium conditions for rain gardens

The proposed rain garden areas would require 'sandy and free-draining soils' to be imported.
Filter medium (4): The soil would need to comprise a manufactured product formed from a blend of an appropriately graded mineral component and a suitable organic ameliorant, such as Bionttention Soil by Green-tech (product code: 190GT3553-PRO). This product has been developed around the CIRIA SuDS manual guidelines for filter medium in a SuDS application, using sands and green composts.
Transition layer (6): grit sand to be used as a transition layer, 200mm depth. It shall be washed, non-calcareous, be coarse sand/ fine gravel with particle size rang between 1-4mm.
Drainage gravel (7): the gravel shall be a washed, non-calcareous, sub-rounded to rounded gravel with nominal particle size of 6-10mm.

Outline implementation specification

Ground Preparation:
Excavations to B.S. 8000 part 1:1989. Excavated material removed off-site; good quality subsoil/topsoil stored on-site for re-use.

Landscape planting areas to have a minimum depth of soil of 500mm and grass areas will have 300mm.

Loosen formation level with single tine ripper, driven 450mm deep at 1m centres, when ground conditions are dry.

Supply approved imported subsoil to B.S. 8601:2013 Specification for subsoil and requirements for use - Multipurpose subsoil to make up any deficiency in on-site subsoil. Spread and level to depth of:
200mm for planting areas without trees
300mm for grass areas

Supply approved imported topsoil to B.S. 3882:2015 Specification for topsoil - Multipurpose topsoil to make up for any deficiency in on-site topsoil. Spread and level to depth of:
300mm for planting areas
150mm for grass areas

Excavate planting pits to the following dimensions:
- Standard/Selected Standard Trees: 1000 x 1000 x 900mm depth
- Semi-mature/Extra Heavy/Heavy Standard Trees: 1200 x 1200 x 900mm depth
- Shrubs: 300 x 300 x 300mm depth

Backfill tree pits with 100/300mm depth subsoil and 300mm topsoil including Melcourt Topgrow peat free planting compost or similar approved at a rate of 0.125m³/pit.

Backfill shrub pits with topsoil including Melcourt Topgrow peat free planting compost or similar approved at a rate of 1.0m³/20m².

Cultivate all landscape areas to a loose and friable tilth suitable for grass seeding or planting.

Collect and remove from site all stones, builders' rubble and other deleterious material over 50mm in any dimension.

Grass Areas:
Supply and spread pre-seeding N:P:K. fertiliser (10:15:10) at a rate of 30g/m²

Grass areas to be sown at a rate of 35g/m² with a suitable grass seed mix such as Germinal A19. Initial grass cutting and edge trimming down to 50mm

Planting Areas:
Plant specification to be in accordance with the HTA National Plant Specification: 03/02

Tree planting to be in accordance with BS 8545:2014 - Trees from nursery to independence in the landscape recommendations.

Supply and plant, incorporating slow release fertiliser N:P:K - 4:19:10 ENMAG or similar approved at the following rates:
- Feathered Trees: 100g / tree pit
- Standard/Selected Standard Trees: 100g / tree pit
- Semi-mature/Extra Heavy/Heavy Standard Trees: 130g / tree pit
- Shrubs: 70g / m²

Tree anchoring: Rootball fixing strap system to be provided by Platipus to secure the trees. Supplier: Platipus. Product: Tree Anchoring with Strap. Product Code: RF1s/RF2s (depending on tree size). Ref: www.platipus-anchors.com/applications/tree-and-irrigation/rootball-fixing-system---strap/

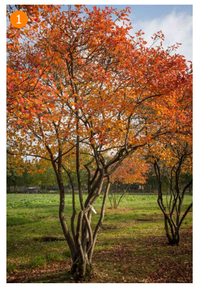
Bark mulch:
Provide and spread evenly over all planting areas an organic graded bark flakes or similar approved bark mulch to a depth of 50mm over shrub areas, and 75mm over trees.

Maintenance:
All landscape areas to be maintained in accordance with B.S. 7370 Part 3:1991 and Part 4:1993; including weed control, and adjustment to tree stakes and ties.

Watering:
Watering of planting beds shall ensure that the full depth of topsoil is wet, without causing damage to plans. Any compacted soil shall be loosened or scooped out, to direct water to the rootzone. Frequency of watering shall be as necessary for the continued thriving of all plants.

General Notes:
Substitutions, if made, should be similar in size, form and water demand.
Plants shall be arranged to avoid straight lines and geometric patterns.

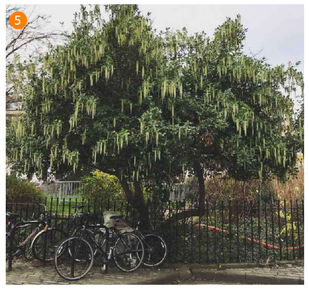
TREES						
Number	Abbreviation	Species	Specification	Girth	Height	Density
2 No.	BETNI	Betula nigra	3x; Extra Heavy Standard; clear stem minimum 200cm; RB	18-20cm	450-500cm	Counted
4 No.	GledsDSK	Gleditsia triacanthos 'Draves Street Keeper'	3x; Extra Heavy Standard; clear stem minimum 200cm; RB	16-18cm	400-450cm	Counted
1 No.	LIQ STY	Liquidambar styraciflua	3x; Extra Heavy Standard; clear stem minimum 200cm; RB	18-20cm	450-500cm	Counted


1


2


3


4


5


6

Key

- Existing sewer easement zone
- Private paths and parking spaces
- Rear gardens
- Front gardens
- Bollards

Surface finish materials

Tarmac: roads and footpaths

Permeable block paving: Burnt ochre colour



Non-permeable block paving: Burnt ochre colour



Soft landscape

1. **Large shrubs / small trees**: such as Amelanchier grandiflora 'Robin Hill' - a shrub / small tree with bronze-tinged young leaves turning orange and red in autumn, and Sambucus nigra 'Black Lace' to be positioned within the rain garden.
2. **Small sized tree:** Betula nigra. The tree grows to approximately 15m, with peeling bark, at first reddish-brown, later almost black; glossy dark green leaves turn yellow in autumn.
3. **Medium sized tree:** Liquidambar styraciflua - positioned as a focal point tree within the courtyard and to provide interest when entering the courtyard from the north from Clarence Street. The tree grows to 20m tall, is broadly conical in outline, with leaves which turn to shades of orange, crimson and purple in autumn.
4. **Medium sized tree:** Gleditsia triacanthos 'Draves Street Keeper' - a narrow pyramidal crown which grows up to about 13m. A tough tree that can tolerate urban conditions.
5. **Evergreen specimen shrub:** Garrya elliptica - to provide structure and interest within the space all year, which can reach up to 4m high. (See drawing TTE-00-00-DR-L-101 for planting schedule details)

Planting areas

Shrub planting: species selected to provide texture, colour and visual interest throughout the year

Attenuation basin and swales: designed with 1:3 gradient slopes. The basin/pond will be planted appropriately with species that will thrive in both damp and dry conditions.

Climbing plants

Grass to be seeded with grass seed mix: Area of grassland to be seeded with Emorsgate Seeds EM2 - Standard Purpose Meadow Mixture. (See drawing TTE-00-00-DR-L-101 for planting schedule details)

Landscape furniture

6. **Bollards:** Glenwood 150 Posts, Everwood Material, width 150m x 850mm height above ground. Supplied by Glasdon UK or similar approved.

* **Note:**
Communal Garden: Design and installation of street furniture to be carried out by specialists.

FOR APPROVAL

Rev	Description	Date	Drn	Chk	App
P06	Updated landscape layout to match updated site layout	04.02.2025	DC	SS	MP
P05	Updated landscape layout to match updated site layout	16.01.2025	DC	DV	MP
P01	PRELIMINARY FIRST ISSUE	11.03.2021	DC	LB	LB

Document Control

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Client
LCB GROUP

Project Name
CONSTABLES CLOSE, NEWPORT

Sheet Title
LANDSCAPE STRATEGY

TTE Project Number	Drawn By	Date	Checked By	Date	Approved By	Date	Scale @ A1	Suitability
8070998	DC	Mar '21	LB	Mar '21	LB	Mar '21	1:200 @ A0	S3

Client Project Number	Originator	Volume/System	Level/Location	Type/Code	Role	Number	Revision
	- TTE	- 00	- 00	- DR	- L	- 0100	P06

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