



Hydrangea arborescens 'Annabelle

Tree planting to be double staked using 75mm diameter pointed softwood stakes treated with Tanalith E Class 4.0. Stakes to be driven into ground 1500mm below finished soil level and be 600mm above ground. Trees to be secured to stakes Hedge planting to be established in double staggered rows, 300mm between rows plants equally spaced with 6no plants per linear metre.

### —Shrub planting on 450mm topsoil using adjustable rubber tree ties. on subsoil min 400mm deep relieved by hand or machine to full depth with 50mm approved bark mulch to surface. GreenBlue Urban ReRoot 1000 root areas laid on min. barrier system within 6M of all service 150mm topsoil on locations installed in compliance with min. 300mm site manufacturers installation instructions won subsoil. GreenBlue Urban Root Rain urban irrigation system RRURB1. 1 x 1 x 1m tree pit backfilled firstly with site won subsoil [700mm] and then site won topsoil [300mm]. Topsoil to BS3882 thoroughly mixed with Melcourt Topgrow Planting Compost in ratio 2:1 as specified. Include for Enmag slow release fertiliser at 100gms per pit, and backfill in 150mm layers firming in before next layer is added. Break up bottom of pit 200min deep and sides where root barrier is not installed.

LEGEND

# Planting Specification

All work and materials shall be in accordance with current British Standards components and to Code of Practice.

a - Remove general builders rubble, litter and any stones greater than 75mm in size from the areas to be planted. Such materials are to be collected and taken to the Contractors tip or disposed of on site as directed.

- a Approved topsoil, both site won and imported, shall be led onto site and spread evenly on the approved formation to give a finished depth of 150mm for grassed areas, 450mm for shrub planted areas and 1000mm depth for tree pits. All topsoil to be placed on a minimum of 300mm depth of
- above adjoining paving. Finished level of topsoil in shrub beds to be 50mm lower than adjacent edge to allow c - Supply and spread approved fertiliser such as SAI Enmag

- a Shrub beds shall be cultivated prior to planting to produce a medium tilth and all weeds, stones and other debris
- Spread approved tree and shrub planting compost over the planting beds at a rate of 20 litres/m<sup>2</sup> and work into the top Shrubs to be sited in locations, numbers and densities
- and matching of shapes. All shrubs are to be planted at the depth at which they have previously been growing, allowing for soil settlement after planting. Surfaces of shrub planting areas shall be left clean and neat with a raked surface between the planting during and
- Immediately after planting all containerised plants shall be watered with 5 litres of water per plant.
- A 50mm layer of matured conifer bark to be spread over planting areas and tops of tree pits, at least 75% of which shall exceed 60mm particle size and shall contain a minimum of wood particles, the bark is to be pest, disease
- Standard / Feathered trees -1000 x 1000 x 1000mm
- Semi-Mature trees 1500 x 1500 x 1000 b - Loosen base to a further depth of 200mm and scarify

The full designers and contractors hazard risk assessments and risk registers.

The developed construction phase health and safety plan.

sides. Dispose of unsuitable excavated material off site to Trees to be double staked with stakes positioned parallel to the adjacent kerb line or paving. Tree stakes to be pressure treated, minimum diameter 65mm and pointed at one end. Stakes to be driven into the pit before planting to a minimum depth of 300mm below the base of the pit:

d - Trees to be planted in pit to a depth and orientation related to the original growing position in the nursery and backfilled with the excavated topsoil mixed with approved tree and shrub planting compost in the following amounts: 60 litres/tree Feathered trees 95 litres/tree

Typical section through tree pit /

shrub planting. Scale 1:25

- Heavy standard trees -120 litres/tree Sem-mature trees - 150 litres/tree e - Trees to be tied to the supporting stakes with adjustable reinforced rubber tree ties with solid rubber spacers, positioned at an approved point suitable to the habit of the
- Proposed trees within 3m distance from buildings or services, or within 2.5m of roads/parking areas are to have root barriers installed.
- Water to be applied to all trees and transplants on the same day as planting:-36 litres/tree Feathered trees Standard trees 36 litres/tree leavy Standard trees -Extra Heavy standard - 48 litres/tree

directly onto subsoil.

rolled with a Cambridge roller.

- a Areas for seeding to have topsoil depths of min. 150mm apart from wildflower areas where seed should be sown
- b One month prior to sowing, areas shall be harrowed to a depth of 100mm followed by chain harrowing to a depth of 50mm to produce a fine tilth. Finished surfaces to be
- All weeds, stones and other debris arising from this work shall be collected and removed from site to the Contractors d - All grassed and broad-leaved plants which emerge
- between cultivations and seeding shall only be treated with an approved translocated herbicide before sowing.

 Finished levels of amenity grass areas to be 25mm above adjoining paving or kerbs. Levels to be arranged to give gentle falls for drainage purposes. New areas to be married in to adjoining soiled areas.

The surface for seeding should be 25mm deep and free from weeds and stones

# Grass Seed Mixes

- a Germinal Seeds Ref: 'A22 Low Maintenance' sown at recommended rate of 50g/m², or similar approved. Emorsgate Seeds Ref: 'EM8 Meadow Mixture for Wetlands' sown at recommended rate of 4g/m<sup>2</sup>, or similar
- Emorsgate Seeds Ref: 'EG1 General Purpose Meadow Grass Mixture' sown at recommended rate of 15g/m², or similar approved.

a - The Contractor shall purchase fresh grass seed each season throughout the contract period. The grass seed shall be made up of certified seeds under EEC regulations The seed shall have a certified germination of not less than 10% and a certificate of purity of not less than 90%. Total weed seed and other crop seeds content shall not be more than 15. Seeds shall be obtained at least 21 days before

- The Contractor shall be required to submit certificates for all deliveries of grass seed stating the seed source, mixture percentage, percentage purity and germination period. All seed shall be delivered in original sealed bags. Amenity grass seed mixes are to be sown onto a minimum
- of 150mm depth of topsoil on min. 300mm subsoil. d - After sowing, all amenity grass areas are to be consolidated using an approved type ringed roller. e - Sowing shall be carried out in suitable weather conditions in transverse directions. After sowing, ground to be lightly
- raked and all stones over 12mm gauge shall be removed.

- a Ensure soil below is prepared correctly level and lightly watered before laying the turf. Each row of turf should be laid so that joints are offset by min 300mm. Start laying along a straight side in a row butt jointing the ends tightly
- b Do not stretch the turf, always push the turf into a joint. Avoid gaps, but if they do occur fill them in with a light soil/sand mixture. Ensure complete contact between the soil and the underside of the turf and if necessary use a flat board or head of a rake to lightly firm down the turf.
- Immediately after laying, start watering. Ensure that the new turf is never short of water. Water repeatedly for at least two weeks and/or until the turf is well established. Once established, weekly watering during dry periods should be adequate. First cut to be undertaken once

# Grass Subsidence/Damage

grass sward is long enough to cut.

- a Any subsidence of seeded or turfed areas below the
- specified levels shall be made good and re-seeded. These works shall be rectified a the Contractor's expense. The Contractor shall make good any damage caused by work personnel, plant or material whilst carrying out and

### maintaining the work on site

a - Contractor shall be entirely responsible for all watering necessitated by dry weather and it shall be undertaken by

# stationary rotary sprays.

Watering

a - Grass areas shall be accepted as having reached practical completion only when germination has proved satisfactory and healthy weed free swards have been established.

# MAINTENANCE

- a The Contractor shall be responsible for the maintenance of the planting and grassed areas for a 12 month period
- following the completion of the works and will be responsible for any defects due to faulty materials. including plant failures, or workmanship during this time. The Contractor shall carry out maintenance work at
- suitable intervals and in suitable weather conditions 48 hours notice in writing shall be given before commencement of any maintenance operations. Failure to do so will result in non payment for any supposed work

Defects Liability Period

Existing surveyed trees to be retained and protected in accordance with BS 5837:2012

Existing groups of trees / vegetation / hedges to be removed as part of the development.

Proposed amenity grassed areas to be seeded with 'A22 Low Maintenance' by Germinal

or similar on min.150mm topsoil on min. 300mm subsoil as per specification. Sown at the

Proposed wildflower seed mix to be Emorsgate Mix 'EM8 Meadow Mixture for Wetlands'

It is recommended that vegetation which needs to be removed is done prior to the bird breeding season. [1st March

to 31st August]. If this is not possible within this period, the vegetation removal should be carried out under the

supervision of an Ecologist. If birds are found to be breeding in the vegetation which needs to be removed then

vegetation removal in the area surrounding the nest must be delayed until the eggs have hatched and the young

All hedge planting to be fitted with TUBEX STANDARD TREE GUARDS or SHRUBSHELTERS according to plant type.

mulch to surface.

Tubes to be 60cm high or similar approved. Tree/Shrub shelters need to be well anchored using good quality square stakes, inserted into the ground to at least 1/3 of the stake height. Ensure the stake is below the flared rim at the top of the Shrubshelter. Using the shelters natural strength push it lightly into the ground to remove the gap at the base.

sown at the recommended rate of 4g/m2. To be left uncut and strimmed only twice per

Proposed seed mix to be Emorsgate Mix 'EG1 General Purpose Meadow Grass Mixture' sown at the recommended rate of 15g/m2. To be left uncut and strimmed only twice per year.

Existing groups of trees / vegetation / hedges to be retained and protected in

Proposed shrub planting to include pollinators. Refer to schedule for details.

as required and in accordance with the Arboricultural Report.

Existing trees to be removed as part of the development.

Proposed tree planting. Refer to schedule for details.

Proposed hedge planting. Refer to schedule for details.

recommended rate of 50g/m2.

Notes about birds breeding season and tree removal:

birds have left the nest.

Rabbit Protection

accordance with BS 5837:2012.

a - Any trees, shrubs and grass found to be defective or missing for any reason before practical completion shall be replaced by the Contractor entirely at his own expense.

Thereafter any failures within 12 months of the date of

Hedge planted in double staggered row into 450mm topsoil on

400mm subsoil fully relieved by hand or machine to full depth.

4sq m worked into top 200mm. Include for Enmag slow release

fertilizer at 20 grams per plant. 50mm layer of approved bark

Topsoil to be mixed with approved planting compost 80 litres per

- practical completion shall also be replaced to the original specification by the Contractor entirely at his own expense, in the next planting season. - Thereafter any failures within the next 4 years shall also
- be replaced to the original specification in accordance with the planning conditions.

### Weed Control a - Keep shrub beds and areas around trees free from annual

and perennial weeds by hand weeding. All arisings to be removed from site. Allow 7 no. visits per year. b - Apply translocated herbicide to shrub beds using weed wiper. Allow 3 visits a year with dead weed growth

# removed after each visit.

### - Bark mulch to be reinstated to original depths at the end of

each growing season. Allow 1 no. visit per year.

### a - All planting shall be watered with a low pressure hose during dry spells, within the first year of growth only, at the Feathered/standard trees

### Heavy standard trees 42 litres/tree/visit 48 litres/tree/visit Semi-mature trees 5 litres/plant/visit

### a - At the end of the establishment period, 30gms of slow release fertliser to be applied around each plant. Allow 1

### no. visit at end of Year 2 Grass Cutting

each mowing

Litter Collection

a - Areas sown with amenity mix:

16no. visits between April and October. Grass areas to be cut to a height of c.40mm. NB: in drought conditions adjust cutting heights to c.60mm. In very wet conditions, all operations involving grass cutting shall cease until conditions allow operations to continue without damaging the surfacing, levels and contours of the ground. Allow for sweeping clean of all paths and roads of grass cuttings at

. IN ALL CASES all arisings are to be removed from site.

a - All plants and tree stakes loosened by planting operations wind or frost shall be firmed in. Allow 1 no. visit per year.

a - Whole site to be kept in a clean and tidy condition throughout the establishment period. Litter to be removed from site. Allow 20 no. visits per year.

Newcastle Upon Tyne Cardiff / Caerdydd : 0191 597 1724 T: 01446 773 86 info@dpla.co.uk

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