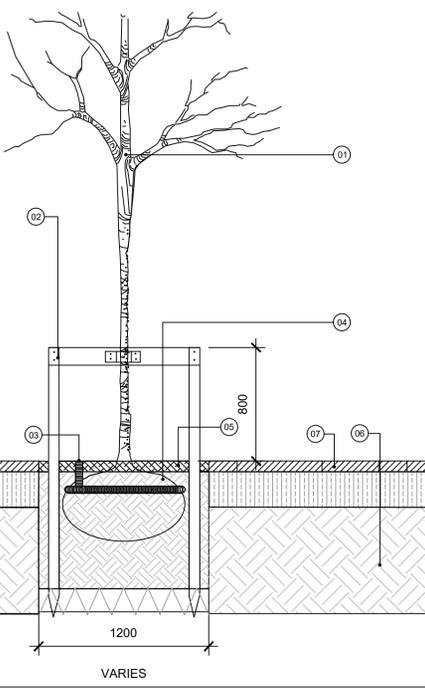


NOTES

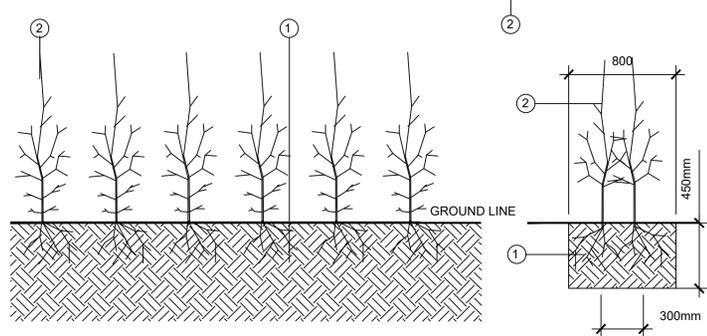
1. Tree to have a clear stem height of 2000mm.
2. 2no. 75mm diameter stakes pressure treated driven 1300mm below ground 600mm above ground with specified biodegradable adjustable tie affixed to tree & stake.
3. 6cm diameter perforated flexible plastic drainage pipe positioned as shown over rootball with one end open to surface to facilitate watering.
4. Pits to be typically 1200mmx800mmx1200mm. Back fill pit with topsoil mixed with soil ameliorants in 150mm firm-in layers. All planting to receive a minimum of 25lt water per m2 immediately after planting.
5. 50mm gravel mulch to base of trunk.
6. Typically 16m3 area root zone under pavement to consist of urban tree soil; made up of 50% 70-100mm aggregate sizes, 30% multipurpose topsoil and 20% grit (20mm down).
7. Adjoining Surface



V01 Tree Pit Detail - Hard Surface Areas  
Scale: 1:25 @ A1 / 1:50 @ A3

HEDGE NOTES :

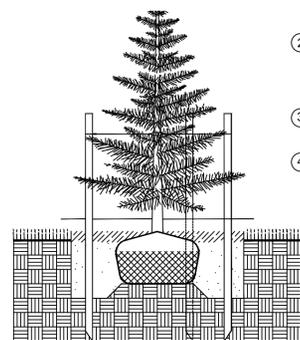
1. The hedge planting is to be carried out in a single trench dug 800mm wide x 300mm deep and to the required length. Mix the dug soil with the spec. ameliorants. Break up the soil in the base of the trench by 150mm.
2. Prepare the plants by: pruning back any damaged roots to healthy growth; placing roots of waiting plants in water whilst planting; applying an approved root-dip. Place the plants in the trench, 400mm between the plants in each row. Backfill the trench to half its depth and firm by treading. Continue planting the trench. Once planted, backfill with the remaining soil and firm as before. Prior to new growth cut the plants hard back to within 600mm of the ground to encourage bushy growth from the base.



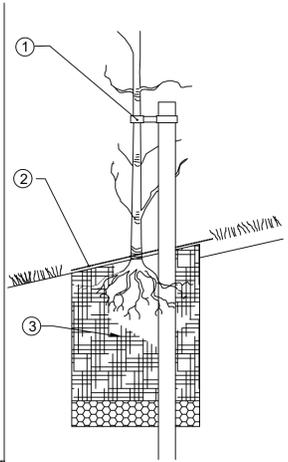
V04 Hedge Detail  
Scale: 1:25 @ A1, 1:50 @ A3

NOTES

1. 3no. 7.5cm Ø stakes pressure treated driven 1300 below ground 40-60cm above ground, (depending on the height of the tree) with specified biodegradable rubber hose around wire at tree and nailed to stakes. Locate stakes 45cm from tree trunk.
2. 6cm diameter perforated flexible plastic drainage pipe positioned as shown over rootball with one end open to surface to facilitate watering.
3. 50mm mulch, as per spec., to base in 60cm dia. circle.
4. Pits to be size 700mmsq. or 15cm wider than rootball. Remove the full depth of topsoil and set aside for reuse. Scarify sides, break up base of pit to a depth of 200mm and incorporate a soil ameliorant. Fold down or cut and remove top 1/3 of burlap if non-biodegradable wrap is used, remove totally. All planting to receive a minimum of 5-10lt water per m² immediately after planting.



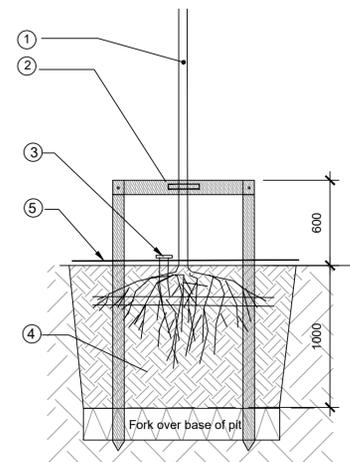
V07 Conifer & Multi-Stem Planting Detail  
Scale: 1:25 @ A1 / 1:50 @ A3



NOTES:

1. Biodegradable adjustable tie secured to 750mm x 50mm dia. timber post driven 500mm into ground. Post to be positioned 150mm from trunk.
2. 50mm bark mulch in 50cm dia circle to base.
3. Pits to have a diameter of at least 150mm wider than, and the same depth as, the rootball. Remove the full depth of topsoil and set aside for reuse. Scarify sides, break up base of pit to a depth of 150mm and incorporate a soil ameliorant, see notes for type. Back fill pit with topsoil mixed with soil ameliorants in 150mm firm-in layers. On sloping ground maintain horizontal bases and vertical sides with no less than minimum depth throughout. All planting to receive a minimum of 8lt water per tree immediately after planting.

V02 Tree Pit Detail for Feathered Trees & 6-8cm Gth.  
Scale: 1:25 @ A1 / 1:50 @ A3



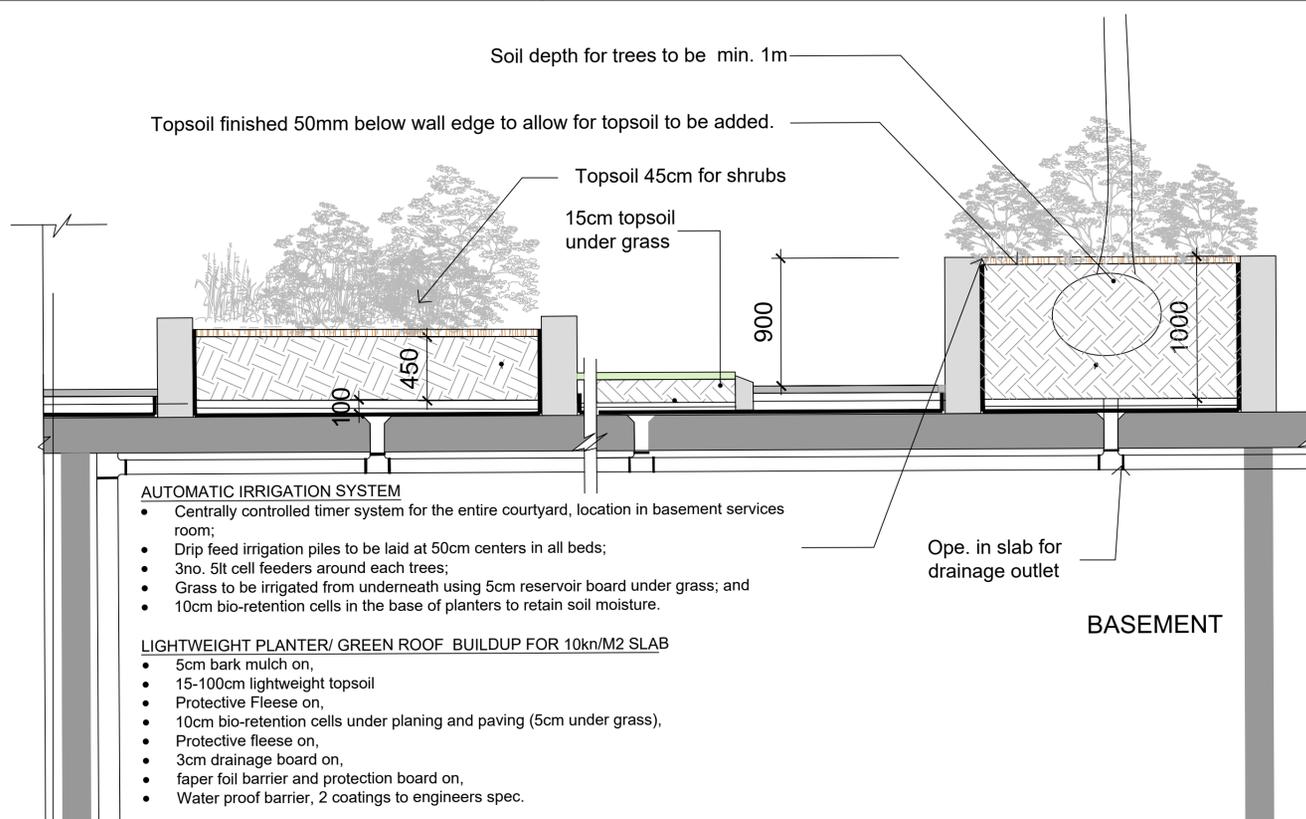
NOTES

1. To have a clear stem height of 2000mm.
2. 2no. 75mm diameter stakes pressure treated driven 1300mm below ground 600mm above ground with specified biodegradable adjustable tie affixed to tree & stake.
3. 6cm diameter perforated flexible plastic drainage pipe positioned as shown over rootball with one end open to surface to facilitate watering.
4. Pits to be size 1x1x1m or 15cm wider than rootball which ever is greater. Remove the full depth of topsoil and set aside for reuse. Scarify sides, break up base of pit to a depth of 200mm and incorporate a soil ameliorant into base. Back fill pit with topsoil mixed with soil ameliorants in 150mm firm-in layers. All planting to receive a minimum of 25lt water per m2 immediately after planting.
5. 50mm bark mulch in 80cm dia circle to base of trunk.

\*FOR SEMI-MATURE TREES INCREASE TREE PIT SIZE ACCORDINGLY

V03 Tree Pit Detail 14-20cm Gth.-Soft Areas, Verges, Topsoil Buildouts/Planters  
Scale: 1:25 @ A1 / 1:50 @ A3

Soil depth for trees to be min. 1m  
Topsoil finished 50mm below wall edge to allow for topsoil to be added.



AUTOMATIC IRRIGATION SYSTEM

- Centrally controlled timer system for the entire courtyard, location in basement services room;
- Drip feed irrigation piles to be laid at 50cm centers in all beds;
- 3no. 5lt cell feeders around each trees;
- Grass to be irrigated from underneath using 5cm reservoir board under grass; and
- 10cm bio-retention cells in the base of planters to retain soil moisture.

LIGHTWEIGHT PLANTER/ GREEN ROOF BUILDUP FOR 10kn/M2 SLAB

- 5cm bark mulch on,
- 15-100cm lightweight topsoil
- Protective Fleese on,
- 10cm bio-retention cells under planing and paving (5cm under grass),
- Protective fleese on,
- 3cm drainage board on,
- faper foil barrier and protection board on,
- Water proof barrier, 2 coatings to engineers spec.

V05 Raised Planter Detail with Drainage  
Scale: 1:50 @ A3

NOTES

- GENERAL CLEARANCE BEFORE PLANTING AND SPREADING TOPSOIL
1. All rubble, stone over 150mm, general rubbish and builders' debris to be cleared from the proposed planting areas to the depth of the cultivated medium depending if trees, shrubs or grass (see spec for depths) and removed from site to an approved tip prior to any cultivation works.
  2. The planting area shall be treated with an approved herbicide 2 weeks before spreading topsoil.

SITE PREPARATION

1. Following herbicide treatment (duration depending on herbicide type) the entire area shall be leveled to a medium grade prior to topsoil being spread.
2. Topsoil to be cultivated so free of grass, pernicious weeds or and weed seed, stones larger than 50mm and other debris. Grade topsoil layer then remove stones larger than 30mm.
3. Topsoil to be spread in 150mm layers and gently firmed. Subsoil to be spread in 300mm layers and gently firmed.

PLANT MATERIAL

1. All plant material shall be pest and disease free.
2. Topsoil shall be supplied in accordance with BS3882.
3. All plants to be planted at the same depth as previously grown.
4. Sufficient soil must be removed to allow all roots to fully spread. Care must be taken with root systems - with dry or damaged roots are to be carefully pruned prior to planting.

PLANTING

General

Times of year for planting:

- Deciduous trees and shrubs : November to March.
- Conifers and evergreens : November to March.
- Container grown plants : At any time if ground and weather conditions are favorable.
- Watering and weed control : Provide as necessary.

Refer to Plant Schedule for species, sizes and planting densities.

Whips/shrubs

1. All whips/shrubs to be pit planted as per detail.
2. Soil ameliorants can be premixed with the soil applied or mixed in during planting.
3. Soil ameliorants to consist of an approved compost at 10L per m2; and 50g/m2 of 10.10.10 NPK slow release fertilizer.

Trees

1. Soil ameliorants to consist of an approved compost, at 20L for each feathered tree, 35L for each 14-16cm girth tree and 45L for each 18-20cm girth tree and 150g/m2 of 10.8.4 NPK slow release fertilizer.
2. For further details, see drawing no. tree planting details.

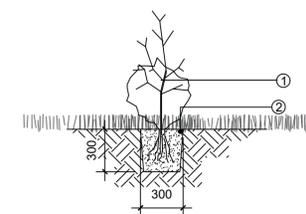
Hedges

1. Soil ameliorants can be premixed with the soil applied or mixed in during planting, but must be through full width of trench.
2. Soil ameliorants to consist of an approved compost at 10L per m2; and 50g/m2 of 10.8.4 NPK slow release fertilizer.

All planting to be watered thoroughly immediately after planting without damaging or displacing plants or soil.

NOTES

1. Proposed Shrub/Whip.
2. Shrub pit 300x300x300mm, fork over base to 150mm depth and scarify walls of shrub pit prior to planting. Backfill with topsoil with ameliorant incorporating as per specification, lightly firming in layers of 150mm.



V06 Shrub/Whip Planting Detail  
Scale: 1:25 @ A1 / 1:50 @ A3

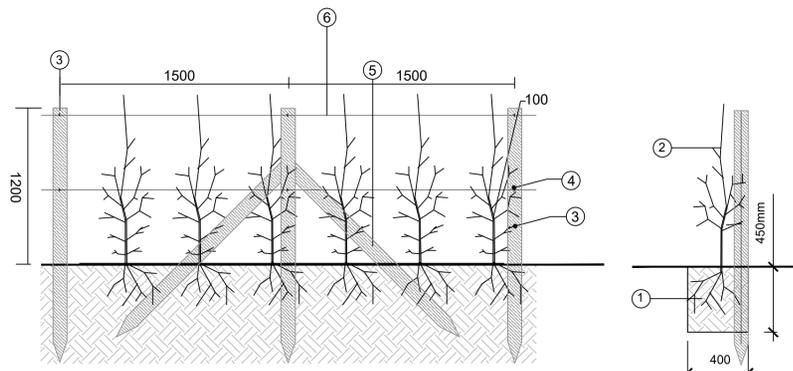
NOTES :

Planting Transplants:

1. The transplant planting is to be carried out single trenches dug 400 mm wide x 300 mm deep and to the required length. Mix the dug soil with the spec. ameliorants. Break up the soil in the base of the trench by 150 mm.
2. Prepare the plants by: pruning back any damaged roots to healthy growth; placing roots of waiting plants in water whilst planting; applying an approved root-dip. Place the plants in the trench, 300 mm between the plants in the row. Backfill the trench to half its depth and firm by treading. Continue planting the trench. Once planted, backfill with the remaining soil and firm as before. Prior to new growth cut the plants hard back to within 300 mm of the ground to encourage bushy growth from the base.

FENCING NOTES : (if required for wind conditions on bund)

3. 1800 mm treated timber stakes driven securely into existing ground. Fencing to be positioned where there is no other wall / fence / railing beside a hedge.
4. Galvanized steel 100 mm gauge 'single wire' tensioned and securely fastened to posts using galvanized steel staples.
5. 1800 mm treated timber strainer posts every 15 m, change of direction, and for end of each run.
6. Plants to be tied to wire using 50mm Hessian Tree Ties or equivalent.



V08 Transplants with 1.2m high temporary support fence  
Scale: 1:25 @ A1 / 1:50 @ A3

B 09/09/2019 NEW LAYOUT

REV DATE AMENDMENT

CUNNANE STRATTON REYNOLDS  
LAND PLANNING & DESIGN

DUBLIN OFFICE  
3 MOLESWORTH PLACE DUBLIN 2  
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EMAIL info@csrlandplan.ie



PROJECT: GLENN ABBEY SITE, COOKSTOWN	DATE: SEPT-2019
DRAWING: LANDSCAPE DETAILS	SCALE: VARIES @ A1
	DRAWN: CHECKED: AM DOL
	DRAWING NO: 19140-2-720