



## Detail C - Clear stem tree in planted embankment to OB

- 1. Boulevard block paving, 50/50% mix of size: 200(W) x 150(L) x 80(D)mm and 150(W) x 150(L) x 80(D)mm - cashel colour 2. Kinley systems Hi Grade HG 8 galvanised steel edging, 8mm thick 3. High density polyethylene root barrier. Re-root 1000 and re-root 600 located to the perimeter of the planted area. 4. Approved general purpose topsoil to BS3882:2015 combined with tree compost. Installed in 300mm layers. Tree pit to be determined by the size of the rootball but should be a minimum depth of 900mm x full width of 2000 x 2000mm. Base of tree pit to be cambered to aid drainage. Camber to be installed
- regardless of drainage layer requirement. Soil to be profiled around the tree pit to create a level area around the trunk. 5.Terram T700 geotextile sheet to inhibit aggregate migration 6. Base of tree pit broken up to a depth of 300mm to aid drainage
- 7. 200mm Pea shingle layer to improve drainage. NO FINES
- 8. 120mm pipe connected to positive drainage system. requirement subject to Engineers details and results of infiltration tests 9. Semi mature tree with hessian wrapping to trunk. Minimum height 1.5m. To remain in place during the
- first two growing seasons 10. Bark mulch layer. 50mm compacted depth to a 1m diameter ring around the trunk. Bart data age to a set of the s
- 12. Underground triple stake guying system. Wires to be protected when in contact with rootball. Final guying detail to be agreed on site. Shrub planting. Established in a minimum depth of 450mm approved topsoil and approved sub soil to BS8601:2013. To a minimum depth of 300mm increasing as needed to tree pit surrounds (depths
- subject to ground conditions). 14. PCC Half battered bull nose kerb and concrete haunching to engineer's specification Hardipave surfacing to OB area. To engineers build ups.
  Naturally river silica sand to engineer's specification

# NOTES:

 Prior to tree planting a representative sample of the tree pits need to be excavated and completely filled with water. The percolation rates need to be recorded and adjustments made to the drainage detail as appropriate. It is ESSENTIAL that the Landscape Consultants are consulted at this stage and approval given to proceed with planting.

2. Drawing to be read in conjunction with the clauses and standards as set out in the associated National Building Specification with particular reference to the following clauses:

Q28: Topsoiling Q30: Seeding and turfing Q31: External planting

Q35: Landscape maintenance

#### Detail D - Clear stem tree in self binding gravel to OB

1. Asphalt macadam surface

#### 2. High density polyethylene root barrier. Re-root 1000

3. Kinley systems Hi Grade HG 8 galvanised steel edging, 8mm thick 4. SuperCEDEC self binding gravel, compacted depth of 50mm laid 15mm below steel edging to avoid migration of gravel- colour silver grey, 6-10mm

5. 120mm of inert MOT Type 1, e.g granite or quartzite

6. Single inlet irrigation/aeration system. Cap to sit flush with surrounding surface material. To be Greenleaf Precinct Watering system RRPRECINCT1. 100mm diameter heavy cast aluminium inlet and swivel vented lid. 60mm diameter circuit and vertical pipes.

7. Urban Tree Soil: to be compacted in layers of no more than 300mm thick, compaction carried out using a Wacker Rammer BS60Y until a penetration resistance of between 2 and 3 Mpa is reached. 900mm depth. Diameter of tree pit: 5000mm long x 2650mm wide x 900mm deep. Minimum soil volume per tree: 12m3 8. Underground triple stake guying system. Wires to be protected when in contact with rootball. Final guying detail to be agreed onsite

9. Terram T700 geotextile sheet to inhibit aggregate migration

10. 120mm pipe connected to positive drainage system. To Engineers details and results of infiltration tests 11. 200mm Pea shingle layer to improve drainage. NO FINES. Laid on a camber as shown.

12. Semi mature tree with hessian wrapping to trunk. Minimum height 1.5m. To remain in place during the first two

growing seasons. 13. Linear foundation to tree grille manufacturers recommendation.

14. Base of pit broken up to a depth of 300mm to improve drainage. It is likely that these tree pits will be within underlying

sandstone.

15. PCC Half battered bull nose kerb 16. Hardipave surfacing to OB area. To engineers build ups.

17. Aeration System (2 no per tree):

18.1 Horizontal perforated HDPE pipe 100mm diam, 18.2 bedded in crushed inert stone 16-32mm gauge, no fines,

compacted to requirements of

above paving, wrapped in geotextile,

18.3 Closed HDPE upright pipe at 100mm diam.,

18.4 Cover: Square Hinged Locking Grate - 120mm Square - Material: Cast Iron, to sit flush with surface 19. APT Heavy duty low security static bollards. 114mm diameter x 1000mm(H) (Element shown for information)

22. Binder course to engineer's specification

23. DoT Type 1 compacted sub-base to engineers details

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Q31: External planting Q35: Landscape maintenance



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**Tree Pit Locations** 





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