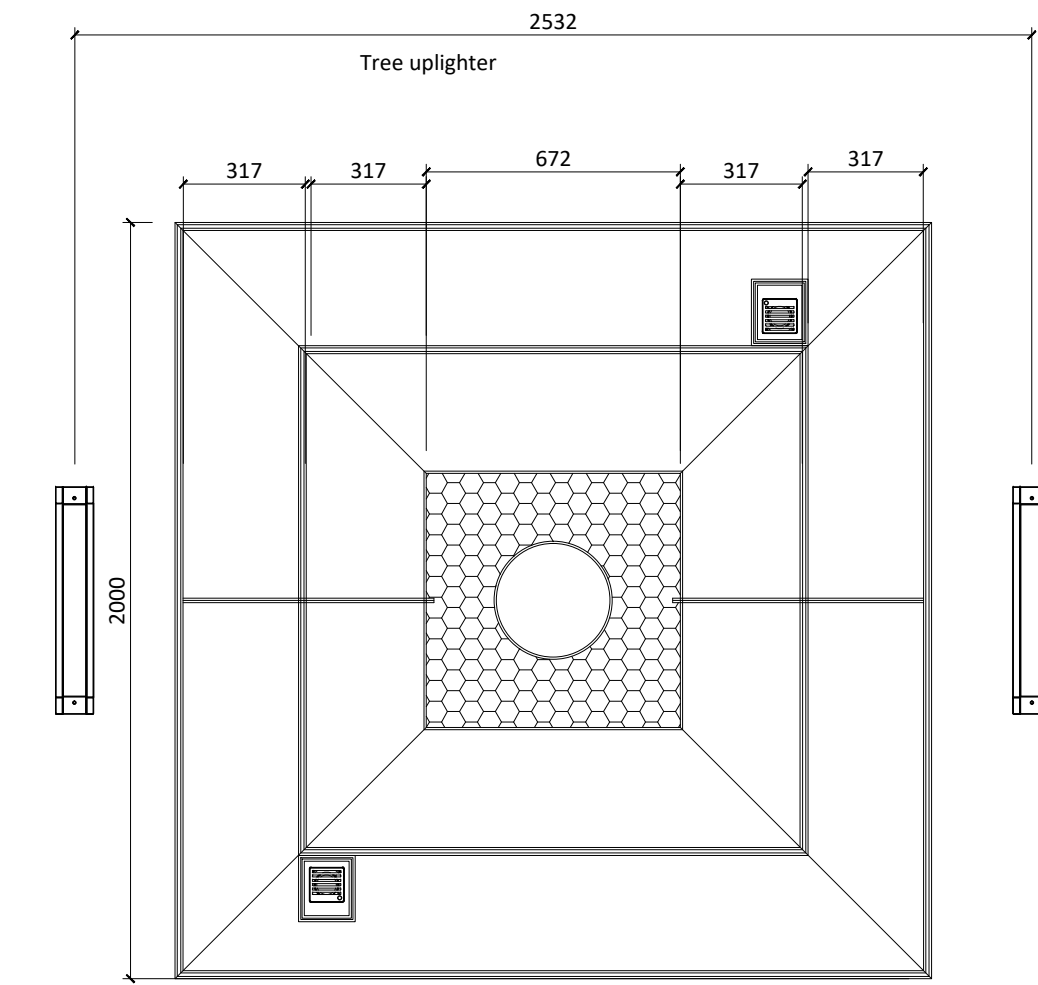


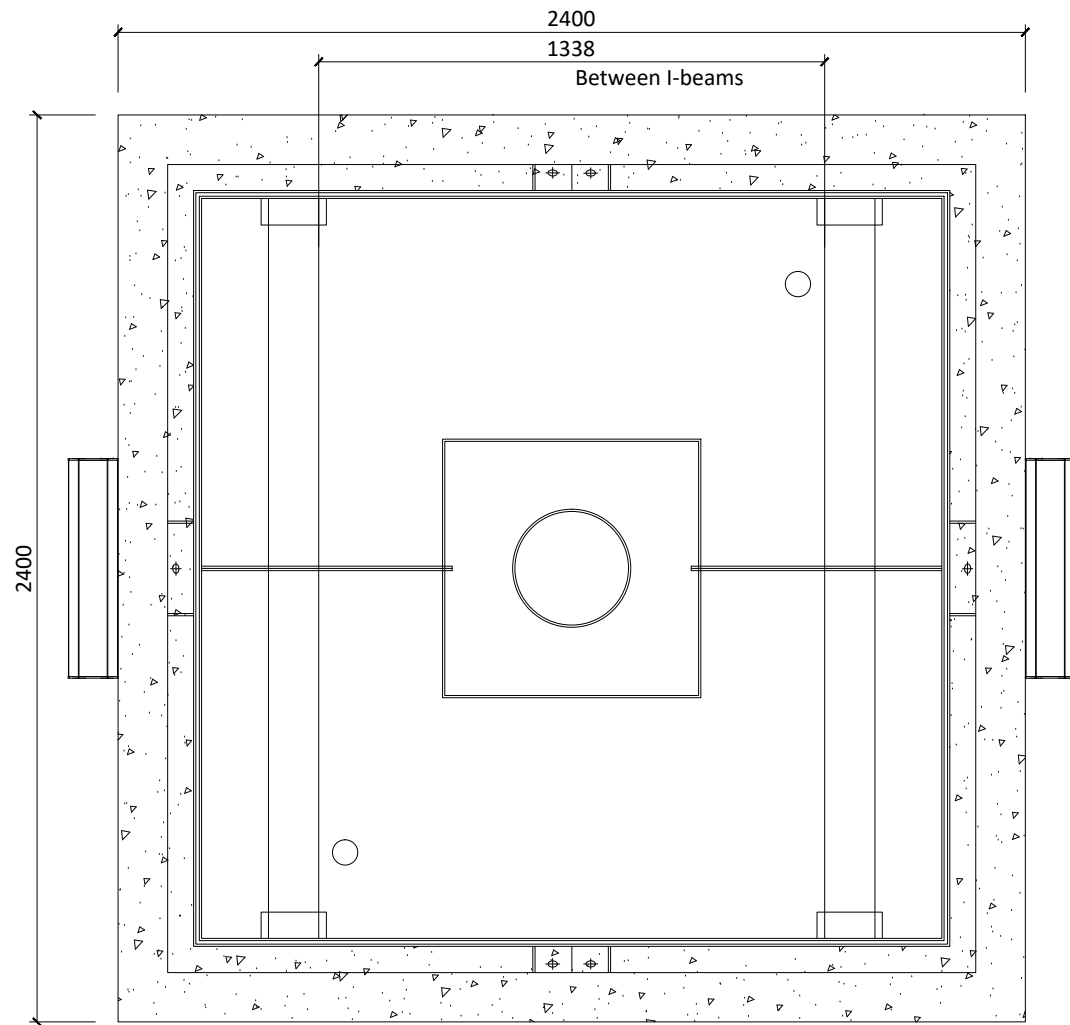
- KEY TEXT
- 1 Tree grille: Arborislot top of frame 2000mm x 2000mm, O/All frame 2138mm x 2138mm, mild steel galvanised - duragalv 100, manufactured to class loading as per engineers specification - B125 to BS EN 124, removable inner trays
 - 2 Concrete foundation and haunch to grille per installation guidelines/manufacturers specification
 - 3 Silva cell system - 1200mm x 600mm x 784mm(H) - OEA Deck - fibreglass reinforced, chemically coupled, impact modified polypropylene. Post and base - homopolymer polypropylene
 - 4 Tree root barrier (depth dependant on surroundings)
 - 5 Tree root ball (size dependant on species/location)
 - 6 Paving varies per location (note - all paving build up shown are indicative only, see engineers specification for details)
 - 7 Permeable geotextile membrane
 - 8 Nominal 300mm of high quality planting topsoil to BS 3882:2015.
 - 9 100mm (min) permeable aggregate (type 3) sub base - contractor to carry out percolation test prior to back fill. If pit not free draining, allow for new drainage connection from base of pit.
 - 10 Permeable geotextile membrane, placed below aggregate sub base (refer to app 6/5)
 - 11 Subgrade, compacted to engineers specifications
 - 12 Pin, per Silva Cell specifications to keep cell in place during construction
 - 13 Silva Cell base slope, 7% max

- 15 Planting sub soil to BS 8601:2013 - nominal 375mm
- 16 Road kerb and road construction - all details shown are indicative only, see engineers drawings and specification for details.
- 17 Geogrid to provide vertical separation between planting soils and backfill while allowing root penetration into adjacent soils. 150mm toe outward from base and 305mm excess over the top of deck.
- 18 Backfill within 100-150mm to top of deck (class 6N/6P fill)
- 19 50-75mm (depth) resin bound surfacing (tapered reduced thickness towards the trees nursery mark) - 3mm aggregate - colour Ash - BBA certificate 16/5288 required. 25-50mm loose aggregate base. Inner 300mm diameter around tree to have biodegradable tree collar to be filled with loose gravel 100mm deep - colour to match resin bound surfacing. (All aggregates must contain no limestone or fines.)
- 20 Tree anchor - deadman system RF2RDMP (OEA) - 3 x wire chokes, 5m galvanised wire, 1 x ratchet tensioner, 3 x plati mats. Installation to manufacturers recommendations
- 21a Watering inlet in Arborislot with perforated pipe around the rootball (all tree pit types)
- 21b perforated pipe to be min 80mm diameter
- 21c A/I inlet in Arborislot leading to perforated pipe to system wide circulation necklace of pipes (all tree pit types)
- 21d perforated pipe to be min 80mm diameter
- 21e A/I two vertical perforated A/I tubes leading to perforated pipe to system extremities
- 22 perforated pipe to be min 80mm diameter
- 23 2 x 150mm DOT type 3 - free draining
- 24 Biodegradable mulch mat - 450gms/m² to cover all exposed soil and to be fixed down with barbed plastic pegs to manufacturers recommendations
- 25 100mm bark mulch to the extent of the planting beds on all exposed soil

Tree grill - Above ground 1:20@A1



Tree grill - Below ground 1:20@A1



- NOTES
- System laid to engineers and specialist suppliers recommendations
 - All sub base shown on diagrams are indicative only - see engineers specification for more information
 - Paving infill/surrounding paving varies per tree pit/area
 - Planting depth of tree to match nursery crown level once all planting completed
 - Tree pit percolation test to be carried out on each tree pit and on site sign off/site visits required by overseeing organisation

Client Smith Young Architecture Ltd.
Job title Naylor Street
Drawing title Tree Pit detail 01 - Trees in hard landscape

Scale 1:20 @ A1
Project number 17.543
Created by CM
Drawing number 301
Last edited by MITCHELL.C
Issue P 1
Date March 2018
Checked AT

PLANNING

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