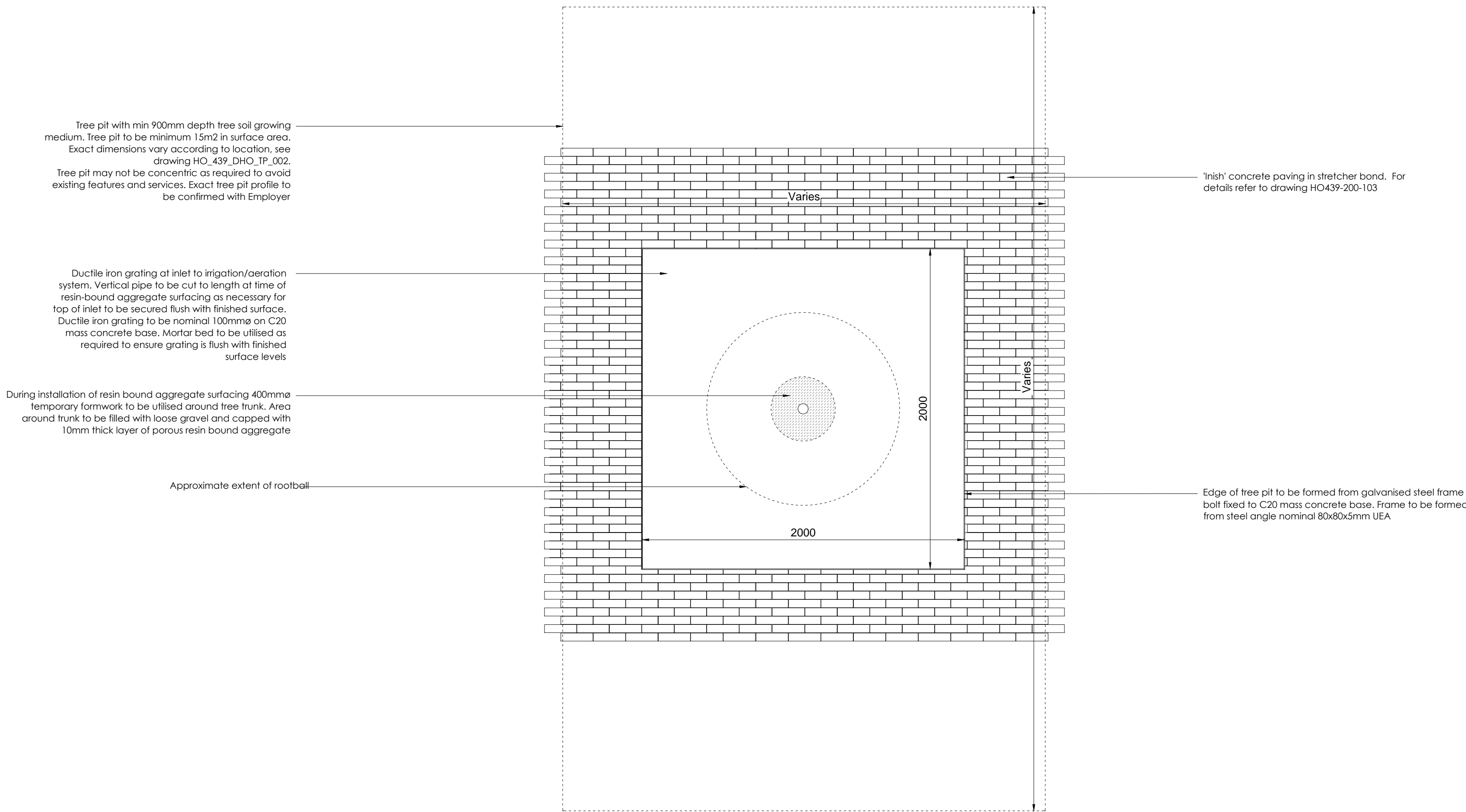
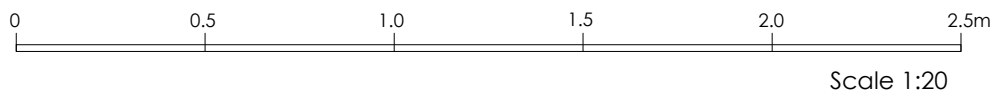


Typical section through tree pit within area of hard landscape
1:20 @ A1



Typical plan of tree pit within area of hard landscape
1:20 @ A1



- NOTES**
- All levels in Metres above Ordinance Datum (mAOD) unless otherwise shown.
 - All dimensions are in millimetres unless otherwise shown.
 - For confirmation of sub-base construction, drainage connections and engineering details refer to Engineers specification.

- TREES:**
- For tree species refer to drawing HO-439_DHO_TP_002
 - To be raised from seed.
 - All trees of the same species to be the same age and from the same batch and grower.
 - Trees to be well balanced in root and crown and to be good examples of the species.
 - Trees to be a matching set, strictly at the discretion of the Employer.
 - Trees to be selected and approved by the Employer at the Nursery from a group of at least 200% of the required quantity.
 - Cost of trees to include for travel expenses for Nursery visits as necessary for the Employer to approve the trees.
 - Representative photos of the trees to be provided prior to any Nursery visit. - Evidence to be provided of transplanting in last 4 years.
 - Trees to be containerised in air pot system during last winter season before planting.
 - Trees to be installed within constructed tree pit so that growing / nursery line is located at the top of the tree pit.

- TREE ANCHORING SYSTEM:**
- Each tree to be secured with underground Tree Anchoring System consisting of heavy canvas straps/guys looped around 4no. 'deadmen' (e.g. railway sleeper or pcc kerbs) placed at bottom of pit.
 - Tree anchoring system to be 'Platipus Tree Anchoring Deadman System Ref: RF2RDMP' as supplied by Platipus Tree Anchoring Systems, Kingsfield Business Centre, Philanthropic Road, Redhill, Surrey RH1 4DP.
 - www.platipus-anchors.com or similar as approved by Employer. Tree anchoring system to be used according to suppliers instructions.

- IRRIGATION/AERATION SYSTEM & ROOT BARRIER:**
- Irrigation/aeration system to be 100mm pvc perforated pipe laid within growing medium. Aeration pipe connected to surface with vertical pipe of same specification and tee sections as required.
 - Top of vertical pipe to have nominal 100mm Ductile iron grating. Grating to be set on C20 mass concrete base. Mortar bed to be utilised as required to ensure grating is flush with finished surface levels.
 - Irrigation system to be 'Root Rain' or similar.
 - Root Barrier to be 'ReRoot 300' or similar.
 - Possible Supplier:
Greenleaf Urban Tree & Landscape Products
Haywood Way
Hastings
East Sussex
TN35 4PL
www.greenleafrees.co.uk

- TREE SOIL:**
- Tree soil growing medium to be Heicom Tree Sand (aka 'Amsterdam Tree Soil').
 - Heicom Tree Sand is supplied by Heicom, 4 Frog Lane, Tunbridge Lane, Kent TN11 1YT (possible supplier / not nominated). Tel: 01892 522 360 www.treesand.co.uk

- Tree pits to be backfilled in layers of maximum 300mm thickness, levelled and compacted with pressure of 200 to 220 psi (250psi absolute maximum). When compacting special attention should be given to the edges of the pit. The compacted tree soil must have a minimum CBR value of 5%. For the tree soil to be correctly installed it must be transported, stored, handled and compacted strictly in accordance with manufacturers instructions:
- The tree soil must:
- Always be protected from rainfall.
 - Never be exposed to frost.
 - Never be contaminated with other material, including hardcore.
 - Never be mixed with soil.
 - Never be laid over standing water or sodden ground.
 - Be suitably compacted to avoid future settlement.
 - Never be overcompacted to ensure proper tree development.

- PERMEABLE RESIN-BOUND AGGREGATE TREE PIT SURFACING:**
- Tree pit surface adjacent to tree stem to be resin-bound aggregate system eg RonaDeck Permeable Tree Pit System. Resin-bound aggregate to be laid on an even, stable and litter-free 100mm deep substrate of compacted clean free-draining 6-20mm gravel above geotextile such as Terram 1000. Resin-bound aggregate to be dry and dust-free 6-20mm clean gravel approved by the system manufacturer. Colour to match adjacent paving. Resin mix to be prepared, mixed with aggregate and laid according to system manufacturer's instruction. Resin-bound aggregate to be laid to a depth of 50mm with a level surface flush with the adjacent paving. Traction grit to be scattered on aggregate surface at a rate of 100g per square metre. During installation of resin-bound aggregate 400mm diameter formwork to be utilised around tree trunk. Area around trunk to be filled with loose gravel to match resin-bound gravel.

Received	8 Sep 15	
	Initial	Date
RYDON	RA	19 Oct 15
Client		
Status A – No Comments	<input checked="" type="checkbox"/>	
Status B – Comments, Revise & Resubmit	<input type="checkbox"/>	
Status C – Rejected	<input type="checkbox"/>	
For Information Only	<input type="checkbox"/>	

Hannah Oakden Landscape Design
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Client: Rydon Construction Ltd

Project: Bacton Low Rise

Title: Typical Details - Tree Pit & Tree Planting Details
(Within Inish paved areas)

Drawing no.
HO-439-200-142-R01

Date:
08/09/2015

Scale:
1:20 @ A1

Drawn by:
JH

Checked by:
HO