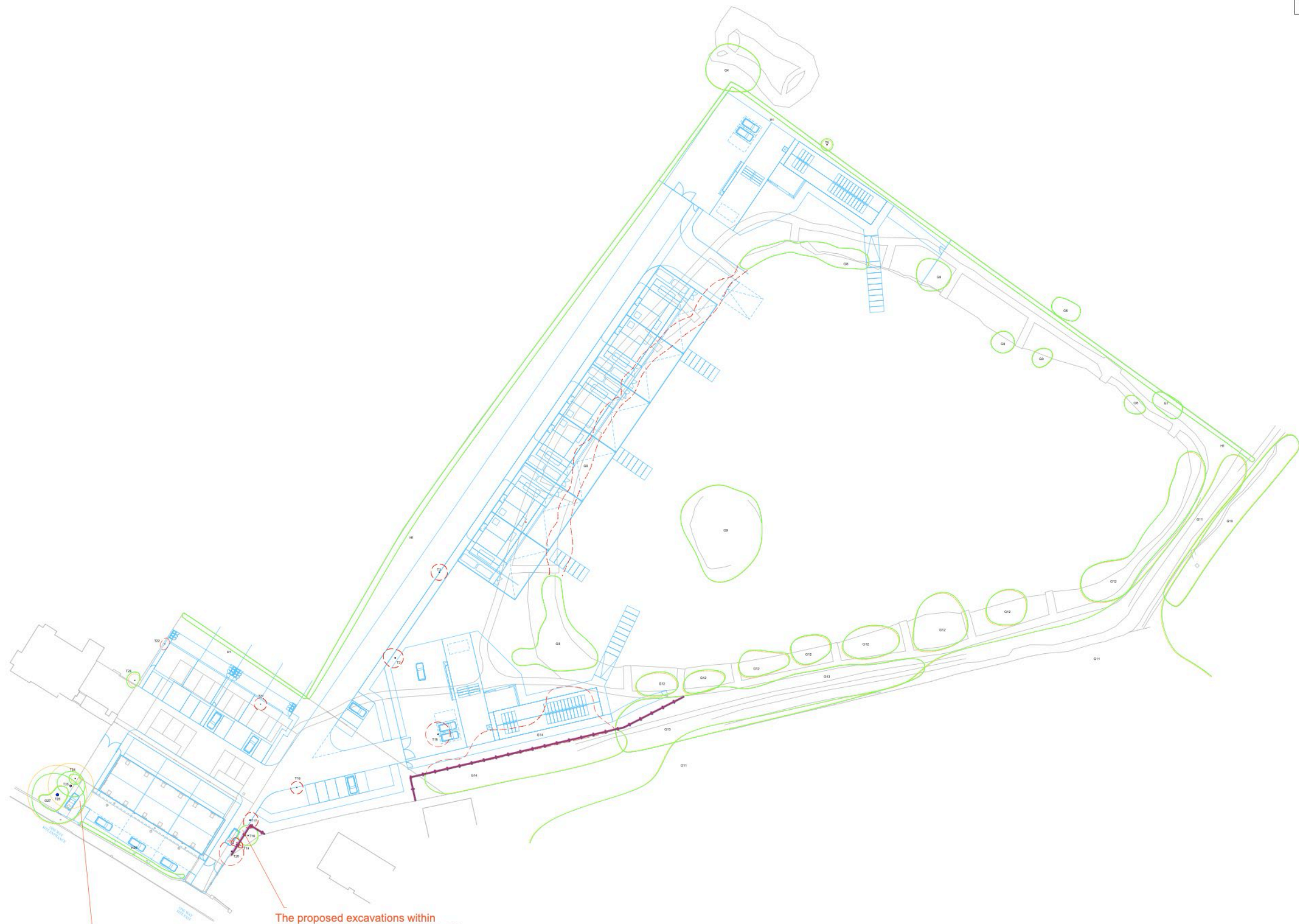




The proposed surface must be constructed on top of existing ground levels, using a Cellular Confinement System and porous finished surface. Exposed ground levels must be protected by temporary ground protection until the Cellular Confinement System has been installed.

The proposed excavations within the RPA of T18 must only be undertaken by hand, to establish the presence of roots, avoiding the use of heavy machinery within the RPA.



THE BARNs No.144

ARCHITECTURAL EMPORIUM Ltd
EMAIL: mail@architectural-emporium.co.uk
WEB: www.architectural-emporium.co.uk
ADDRESS: 13 Hope St, Liverpool, L1 9BQ
PHONE: +44 (0)151 363 0000

T	G	H	W	S
INDIVIDUAL TREE	GROUP OF TREES	HEDGEROW	WOODLAND GROUP	SHRUB

	EXISTING LAYOUT
	PROPOSED LAYOUT

PROPOSED TREE WORKS	
	TREE PROPOSED FOR RETENTION
	TREE PROPOSED FOR PRUNING
	None
	TREE PROPOSED FOR REMOVAL (ARBORICULTURAL REASONS)
	T19
	TREE PROPOSED FOR REMOVAL (TO ENABLE DEVELOPMENT)
	T2, T3, G8 (section), G14 (section), T15, T16, T17, T20, T21 & T22

Please refer to Appendix 1 of the Arboricultural Impact Assessment for details on tree condition and proposed works.

	ROOT PROTECTION AREA (RPA)
--	----------------------------

The Root Protection Area (RPA) is a layout design tool highlighting the underground tree constraints. Along with the tree stem and branches the RPA must be considered prior to and during development.

TREE PROTECTION MEASURES	
	TEMPORARY PROTECTIVE BARRIER
	Refer to Appendix 4 of the Arboricultural Impact Assessment for specification details.

Please refer to Section 3 of the Arboricultural Impact Assessment for details on potential impacts.

PROJECT TITLE: Land at Lower Road, Halewood		
DRAWING TITLE: TREE PROTECTION PLAN	SCALE: 1:500 @ A1	ISSUE DATE: 11.08.21
DRAWING NUMBER: TPP.13327	REVISION: .01	DRAWN BY: RG

Tree Protection Plan from 'Arboricultural Impact Assessment with Tree Protection Measures August 2021' by the Tyrer Partnership.

FOR: PLANNING	
CHECKED BY: AJ	DRAWN BY: MS
SCALE: 1:1000	
PAPER SIZE: A3	
JOB: LAKESIDE & No. 144	

2.012_Page 01_Rev _

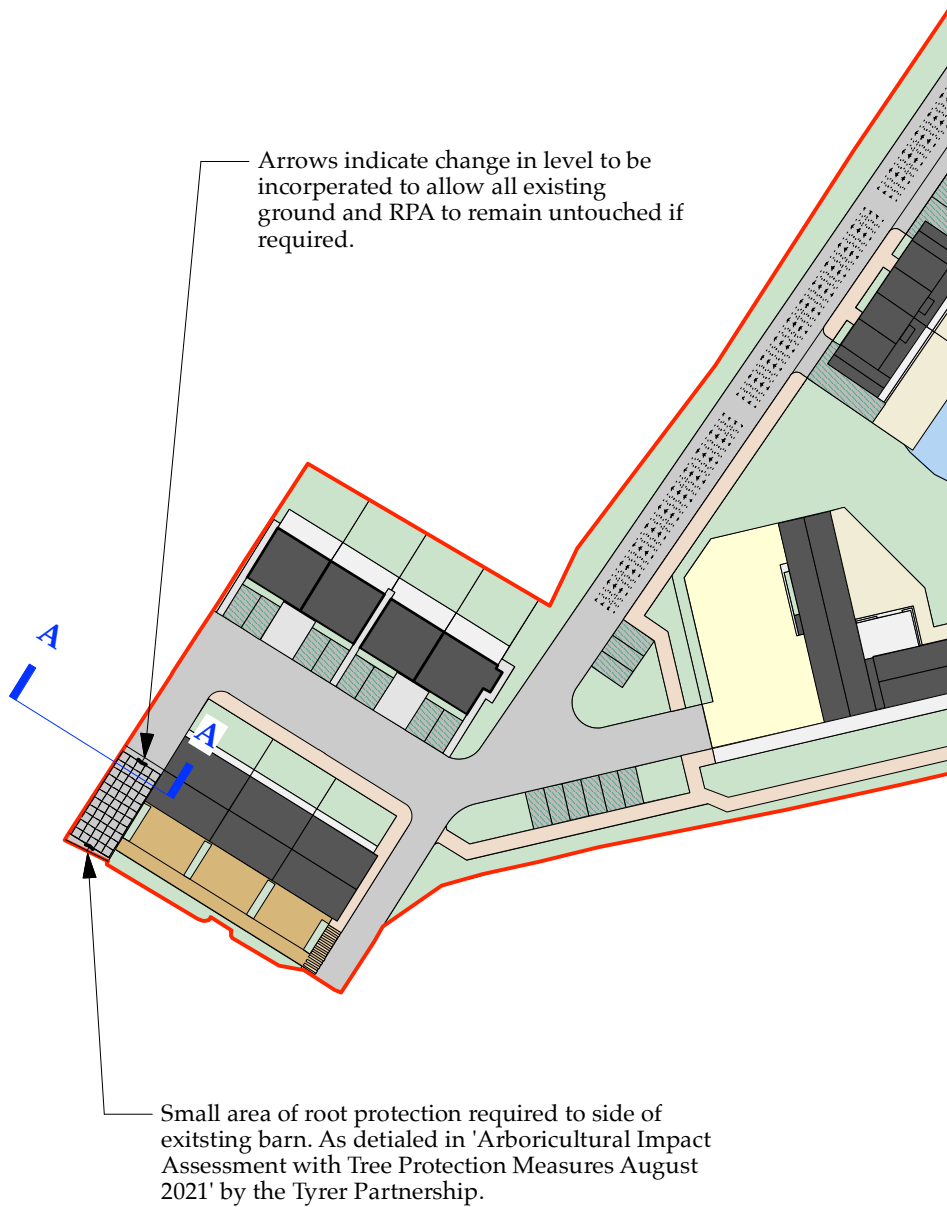
FIRST ISSUE: 16.03.26

ROOT PROTECTION PLAN / DETAIL

TOTAL SITE AREA - 24,346 sqm

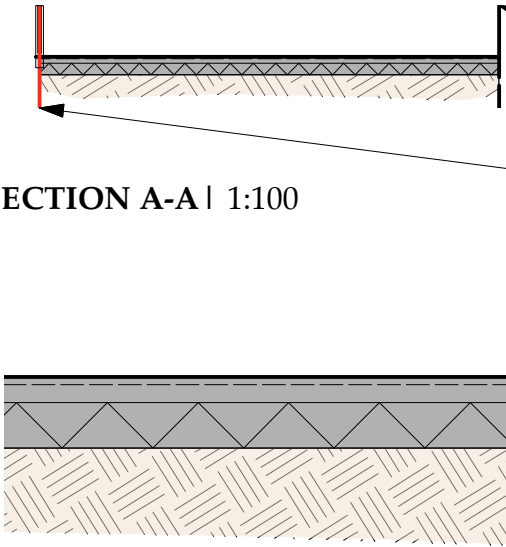
Approximate Areas

- Roof / Building (non permeable) 1885sqm
- Road (non permeable) 2100sqm
- Section of road with Green Grid systems - RB Extra \ Heavy 57kN Rootbridge Variant Below protection Root Protection Zone. 75sqm
- SUDS Zone 360sqm below Road (TBC by Drainage Engineer)
- Pedestrian Path (permeable) 560sqm
- Patio / path (nonpermeable) 515sqm
- Gravel Driveways (permeable) 710sqm
- Car Parking (permeable) 445sq
- Heritage Cobbles (non permeable) 230sqm
- Open Joint Decking 1110sqm (inc jettys) (permeable)
- Soft Landscape (permeable) 6910sqm See Soft Landscaping & Planting Plan
- Pond (permeable) 10453sqm (with overflow into existing stream)

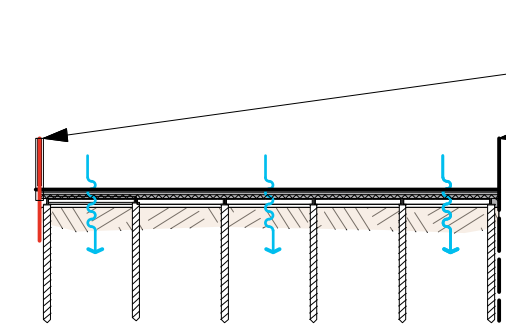


01 HARD LANDSCAPE MASTERPLAN (Partial) | 1:1000

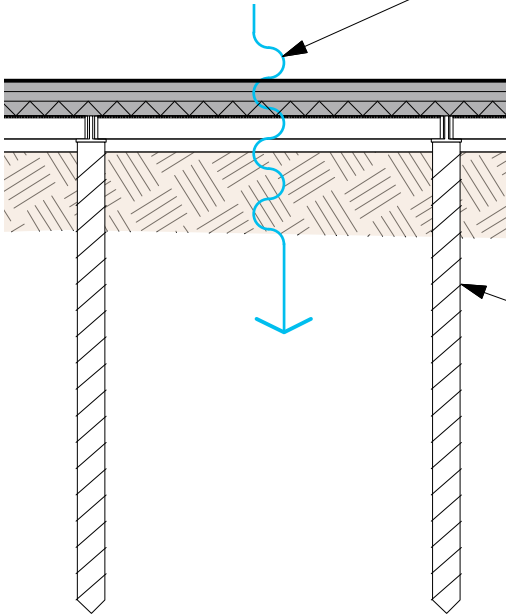
02 EXISTING ROAD SECTION A-A | 1:100



03 EXISTING ROAD SECTION (Detail) A-A | 1:25



04 PROPOSED ROAD SECTION A-A | 1:100



05 PROPOSED ROAD SECTION A-A (Detail) | 1:25



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Existing Building adjacent.

Boundary / Fence Line.

Non porous surface course.

Non porous binder course.

Hardcaore base aggregate: Exact Depth to be confirmed upon excavation.

Existing ground and root protection zone.

Boundary / Fence Line.

Existing Building adjacent.

Porus build-up over Root Protection Area.

10mm porous surface course (Tarmac ULTIPOROUS).

25mm porous binder course (Tarmac ULTIPOROUS).

Specialist base aggregate: Tarmac's ULTIFLOW sub-base aggregate is recommended, for a complete permeable pavement solution. Exact Depth to be confirmed

Green Grid Root protection system - Heavy Duty SS57 - With permeable tarmac over.

Gap between root prtction system and ground.

Existing ground and root protection zone to remain at its current level.

1600mm screw pile supports supporting roadway.

FOR: PLANNING

CHECKED BY: AJ | DRAWN BY: MS

SCALE: 1:1000 / 1:100 / 1:25

PAPER SIZE: A3

JOB: LAKESIDE & No. 144

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FIRST ISSUE: 16.03.26

ROOT PROTECTION PLAN / DETAIL