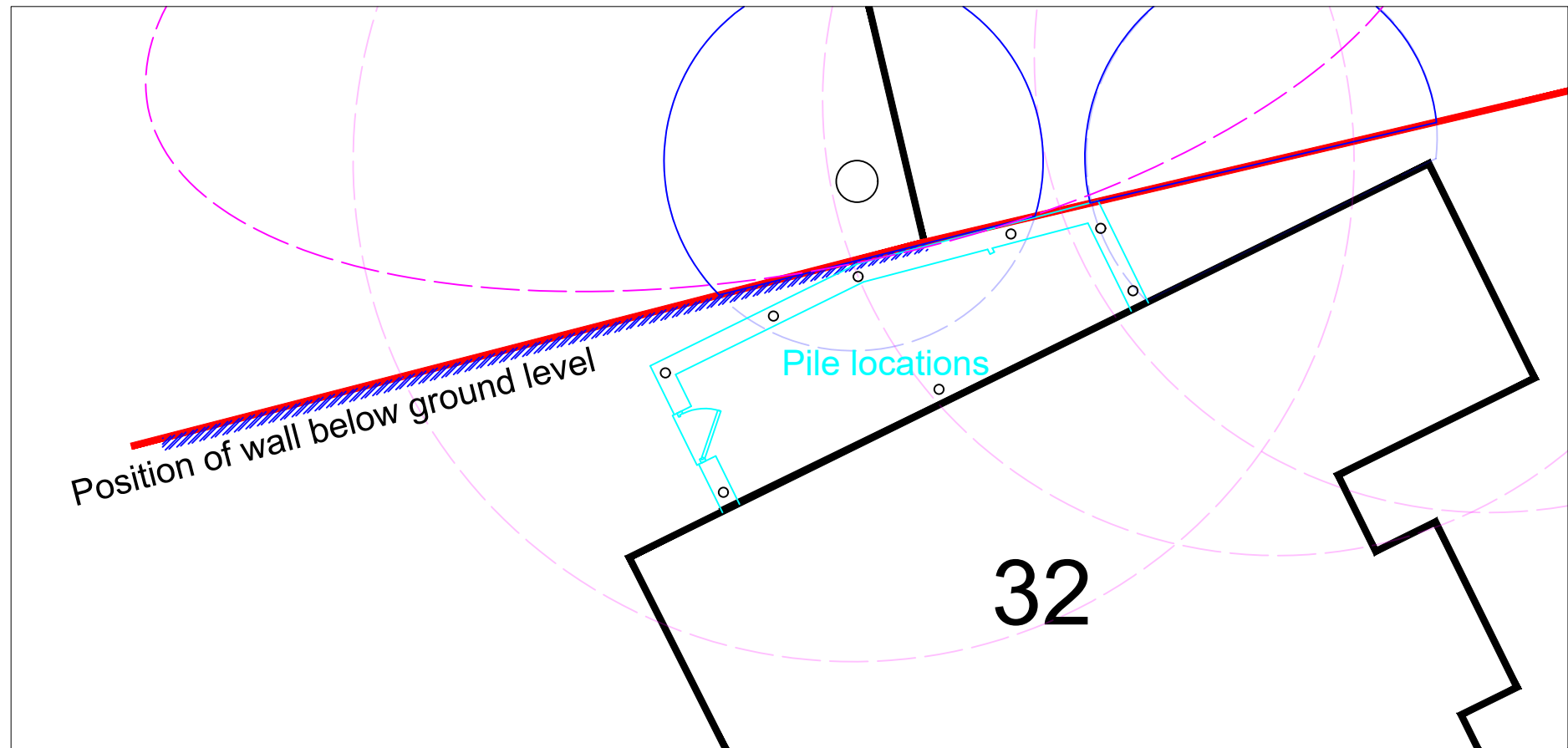


Figure 1: Trial pit excavations along the boundary with the car park revealed that root growth of T1 and TG2 has proliferated along the top of a historic boundary wall. The trial pit revealed roots have not grown beyond the boundary wall and trespass is limited to fine, hair-like roots within the soil on top of the sunken structure, therefore structures inside of this boundary would have no harmful effect on tree roots.

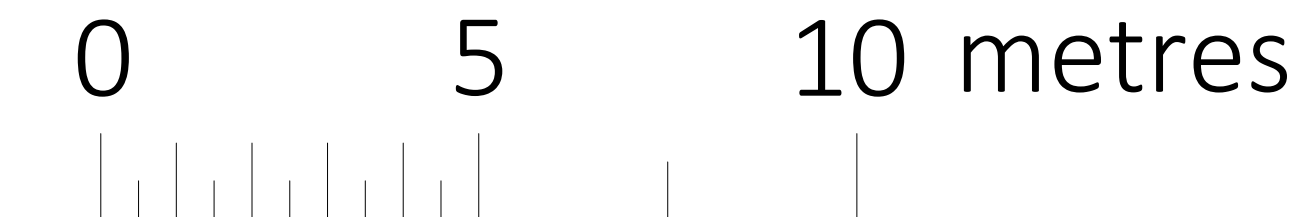


Fig 2: Position of pile foundations (1:100). Boundary wall as shown in blue hatching. Root growth on top of wall and wall left in situ, undisturbed. Piles 150mm diameter, supporting ground beam 600mm x 400mm, refer to GM Structures Foundation Plan drawing C101 16/3/23



IMPACT SCHEDULE

Tree number	Species (common/botanical)	Stem diameter (mm)	Height (nearest m >10m)	Crown spread (m)	Crown clearance (m)	Category	RPA radius (m)	RPA Area (m2)	Pruning required	Impact of pruning	Below ground impact on RPA	Impact summary	Mitigation measures
T1	Sycamore/Acer pseudoplatanus	660	15	3	6	B1	7.9	196	Cut back 1.5m to boundary	Low/negligible: works are within the limits of arboricultural best practice	No impact on trees; root trespass arrested by presence of a boundary wall below ground level. Roots on top of wall unaffected with pile locations and beam leaving sunken structure in place	Low	Pile and beam foundation to retain the area beneath the extension and garden for future root growth. Development could feasibly be managed in accordance with BS 5837 with no lasting effect on tree health or tree root growth
TG2	Mixed group: 2 x Norway maple/Acer platanoides and 1 x common lime/Tilia cordata	600e	16-18	3	3	B1 (maples), A1 (lime)	7.2	163	Cut back 1.5m to boundary	Low/negligible: works are within the limits of arboricultural best practice	No impact on trees; root trespass arrested by presence of a boundary wall below ground level. Roots on top of wall unaffected with pile locations and beam leaving sunken structure in place	Low	Pile and beam foundation to retain the area beneath the extension and garden for future root growth. Development could feasibly be managed in accordance with BS 5837 with no lasting effect on tree health or tree root growth



Key

- T1 Stem position and tree number (stem diameter to scale), colour coded (see below)
- Modified canopy spread of tree, colour coded according to BS 5837 category (below). Pre-pruning dimensions shown as faded dashed line
- Notional Root Protection Area [RPA] as defined by BS 5837:2012 original model shown as faded dashed line
- Modified RPA giving more accurate picture of root distribution owing to the position of underground structures
- Proposed extension
- Site Boundary

BS 5837 Tree Quality Categorisation (from BS 5837:2012 Table 1)

- Category U: Trees in such condition that they cannot realistically be retained in their current context for longer than 10 years
- Category A: Trees of high quality with an estimated life expectancy exceeding 40 years
- Category B: Trees of moderate quality with an estimated life expectancy of at least 20 years
- Category C: Trees of low quality with an estimated life expectancy of at least 10 years, or young trees with a stem diameter below 150mm

TO BE READ IN CONJUNCTION WITH TREE SURVEY REPORT REF: CT11WR-WLA-V2-XX-DR-Y-TSR

Client: Grolar Developments Ltd
Project: 32 Winchester Road, Swiss Cottage NW3 3NT
Title: TREE CONSTRAINTS PLAN

Date: 20/06/23 Scale: 1: 100 @A1 (CHECK PRINTER SPEC)
Drawn: MW Checked: PW Client Ref:
Drawing Number: CT11WR-WLA-V2-XX-DR-Y-TCP
Rev: B

WRIGHT

Landscape and Arboriculture Ltd
Alpine Road, Redhill RH11 2HT
01737 516004 or 07400600078
office@wrightlandscape.co.uk
www.wrightlandscape.co.uk

