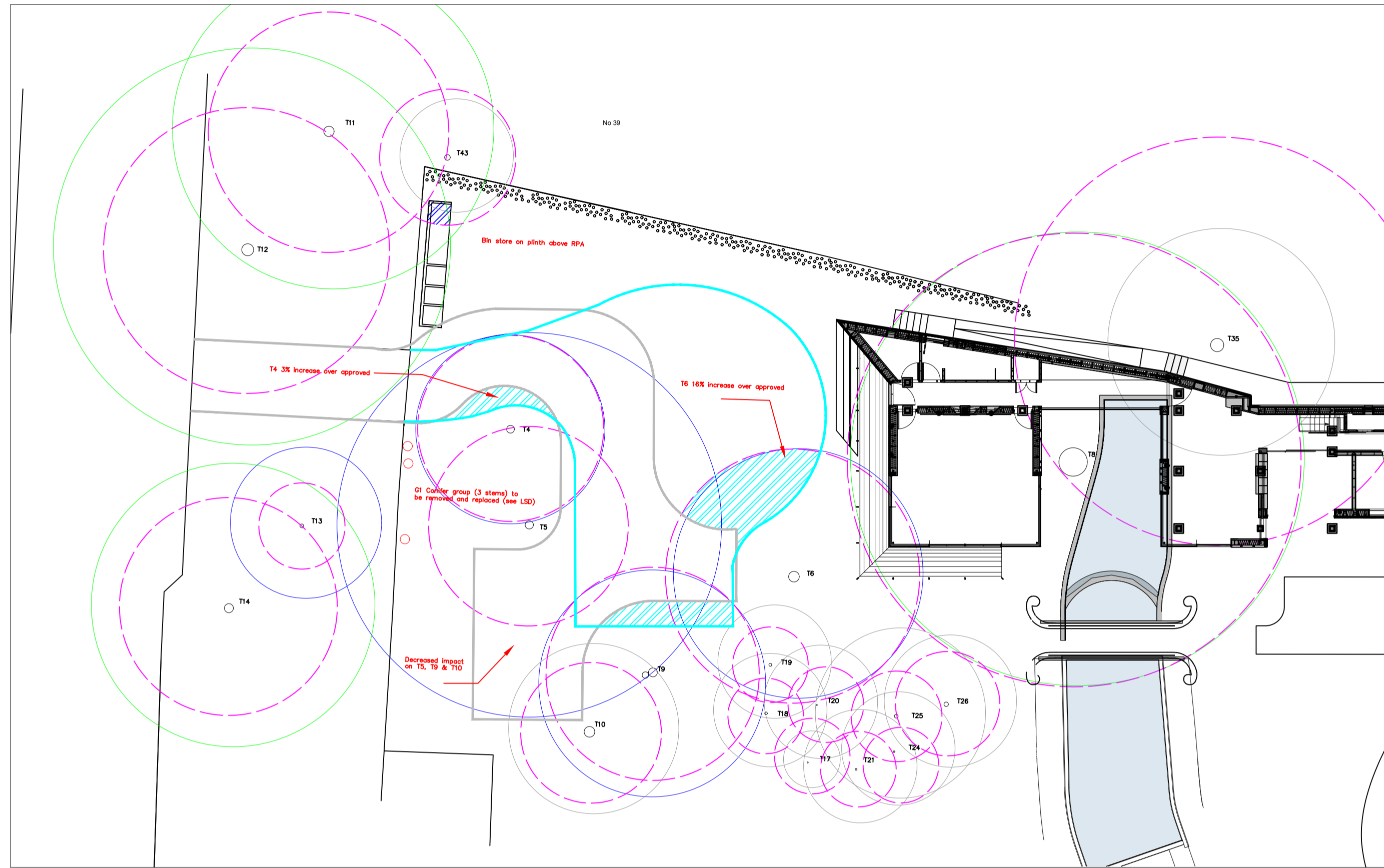


TREE CONSTRAINTS PLAN



TREE SCHEDULE

Tree number	Species (botanical)	Stem diameter (nearest m)	Height (nearest >10m)	Crown spread (nearest 1/2m)	Life stage	Condition		Category	RPA (m)	Total incursion %	Difference on previous approval %	Mitigation measures
						Physiological	Structural					
G1	Leyland Cypress (<i>X Cupressocyparis leylandii</i>)	Ave. 320	16 est	2	M	M	M	C2	N/A	N/A	N/A	Remove and replace
T4	Ash (<i>Fraxinus excelsior</i>)	410	24	5	M	G	G	B1	4.90	48%	3% increase	Cellular confinement system & hand excavation
T5	Ash (<i>Fraxinus excelsior</i>)	440	24	6.5	M	G	G	B1	5.20	22%	29% decrease	Cellular confinement system & hand excavation
T6	Cedar of Lebanon (<i>Cedrus libani</i>)	580	17	6.6	M	G	G	A1	6.90	24%	16% increase	Cellular confinement system & hand excavation
T8	London Plane (<i>Platanus x hispanica</i>)	1500	25	12	M	G	G	A1	12.00	0%	No incursion	
T9	Yew (<i>Taxus baccata</i>)	470	14	6	M	G	G	B2	5.60	21%	15% decrease	Cellular confinement system & hand excavation
T10	Evergreen Oak (<i>Quercus ilex</i>)	310	16	4.5	EM	G	M	C1	3.70	0%	16% decrease	
T11	Hornbeam (<i>Carpinus betulus</i>)	530	18 est	8.5	M	G	G	A1	6.30	0%	No incursion	
T12	Red Oak (<i>Quercus rubra</i>)	630	20 est	10.5	M	G	G	A1	7.50	0%	No incursion	
T13	Hop Hornbeam (<i>Ostrya carpinifolia</i>)	190	12 est	3.5	SM	G	G	B1	2.20	0%	No incursion	
T14	Red Oak (<i>Quercus rubra</i>)	480	20 est	7.5	M	G	G	A1	5.70	0%	No incursion	
T17	Holly (<i>Ilex aquifolium</i>)	60	5	1.5	Y	G	G	C2	2.20	0%	No incursion	
T18	Ash (<i>Fraxinus excelsior</i>)	130	13	3	SM	G	G	C1	2.00	0%	No incursion	
T19	Sycamore (<i>Acer pseudoplatanus</i>)	160	13	3	SM	G	G	C1	1.90	0%	No incursion	
T20	Yew (<i>Taxus baccata</i>)	60	5	3	SM	G	G	C2	2.00	0%	No incursion	
T21	Yew (<i>Taxus baccata</i>)	100	5	3	SM	G	G	C2	2.00	0%	No incursion	
T24	Yew (<i>Taxus baccata</i>)	90	5	3	SM	G	G	C2	2.00	0%	No incursion	
T25	Leyland Cypress (<i>X Cupressocyparis leylandii</i>)	200	5	4.5	SM	G	M	C2	2.40	0%	No incursion	
T26	Leyland Cypress (<i>X Cupressocyparis leylandii</i>)	230	10	3.5	SM	G	M	C2	2.70	0%	No incursion	
T35	Grey Poplar (<i>Populus canescens</i>)	900e	20	5	M	G	P	C1	10.80	0%	No incursion	
T43	Yew (<i>Taxus baccata</i>)	300e	14	4	EM	G	G	C1	3.60	4%	4% increase/new bin store	Cellular confinement system above ground level

IMPACT NOTES:

Differences between the approved layout and the proposed show a small increase in the incursion into T4 and T6. The revised layout also offers considerable improvement for the RPA of trees T5, T9 and T10 with a decrease in impact from the approved drawings. The impact on these areas (hatched cyan) can be managed by hand excavation and use of a cellular confinement system (see AMS below). There will also be a bin store in a small portion of the RPA of yew tree T43. This can be constructed over the existing ground level with no impact on tree roots. Providing works can be carried out in accordance with the methods below, there should be no negative effects on retained trees resulting from development.

SUMMARY OF ARBORICULTURAL METHOD:

- Following the installation of tree protection fencing (orange line fig.1), the area hatched cyan shall be excavated by hand using hand tools only.
- Spoil and/or construction materials shall not be stored on areas to be landscaped or within the RPA of retained trees. There shall be no contractor parking in the RPA of retained trees or on areas required for soft landscaping.
- Sub-base depth shall be achieved through hand excavation only; if tree roots are found the project arborist shall be contacted for advice and no roots shall be pruned without the project arborist's advice. If roots less than 25mm in diameter are encountered, these may be cut with sharp tools under the advice of the project arborist.
- Once the soil has been excavated to the required depth and a level surface has been achieved, a weed-prevention membrane shall be installed and a cellular confinement system will be laid (fig.2). This system (typically cellweb or similar approved) shall be a minimum of 75mm deep and shall be pinned into position.
- The cellular confinement system shall be edged with timber and pegged in place and the facing soil backfilled. The 3D mesh shall then be filled with no-fines aggregates. The aggregates do not need to be compacted and the cellular confinement system does not need compacting into the ground; the weight of the aggregates is sufficient to form a structural supporting grid for the final drive hard surface to be laid directly on top. Ideally, this surface shall be permeable.
- The bin store shall be constructed on a similar cellular confinement system, however the system shall be constructed above ground (following removal of the turf layer only).

ARBORICULTURAL METHOD STATEMENT

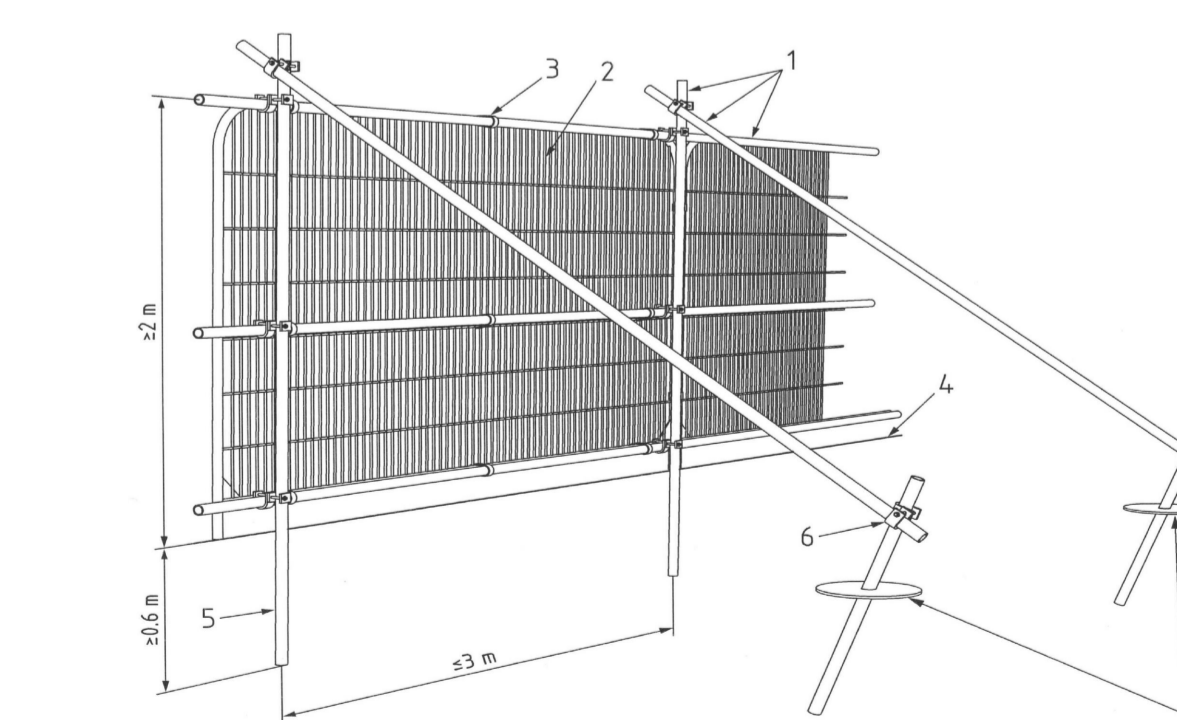
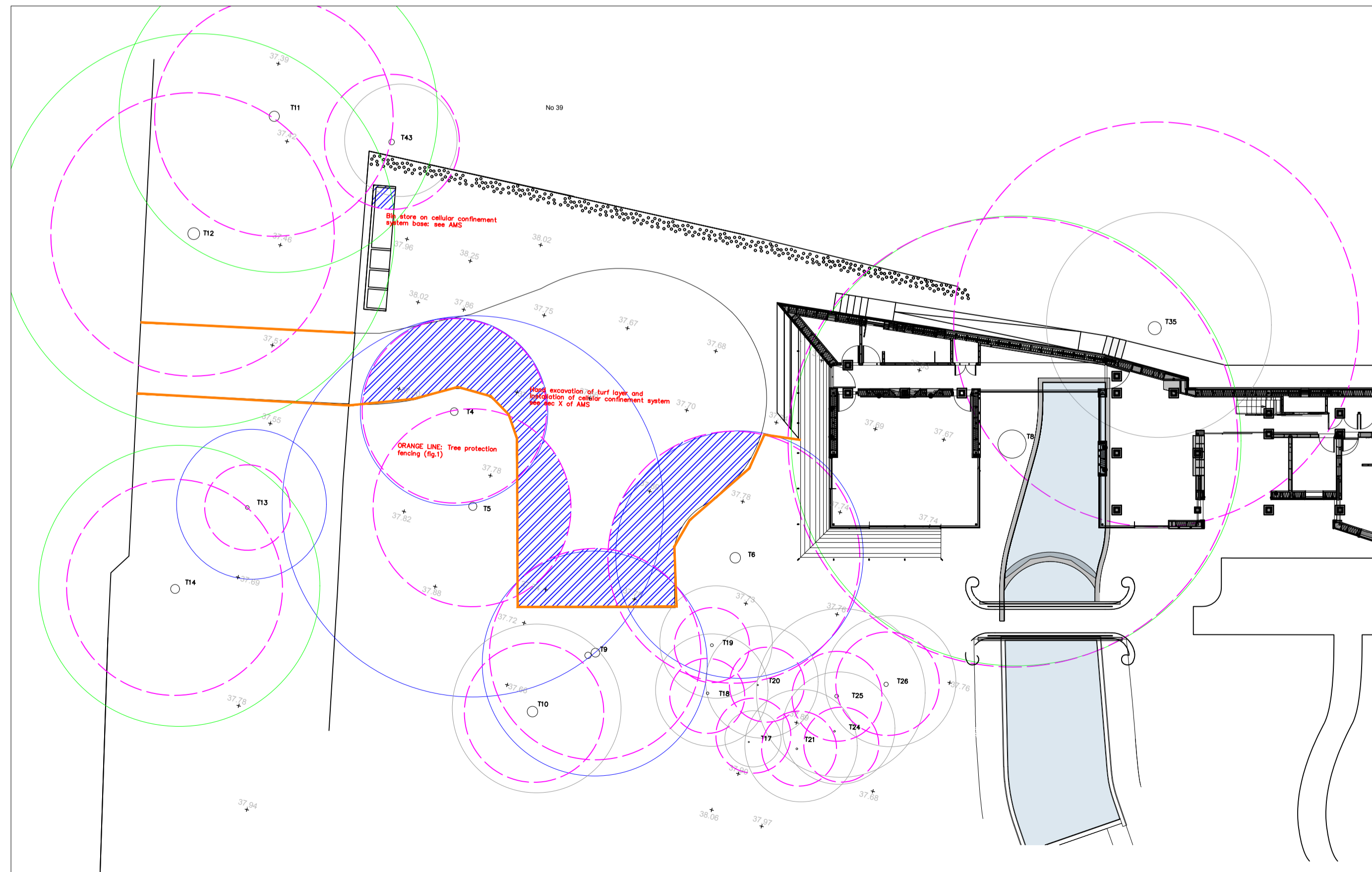


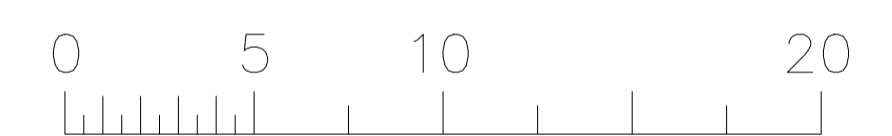
Fig.1 Weld Mesh Tree Protection Fencing. Purpose: To create an impact-resistant barrier between areas of construction activity and exposed areas of the RPA. Fencing shall prevent all construction access to the RPA. Specification to type 1 as described within British Standard BS 5837:2012. The following specification shall not differ unless by written agreement with the council's tree officer. Fencing shall consist as follows:
 1) scaffold framework
 2) Heras or similar weld-mesh panels 1.8-2m x 3m bound to framework with cable ties.
 3) anti-tamper couplers between panels, min 1m apart and two per panel join.
 4) ground level - fencing shall not allow gaps.
 5) scaffold support frame driven into ground.
 6) supporting struts to be impact resistant.



Fig.2 Cellular confinement system over permeable weed barrier sheeting. Pegged and edged to create a stable sub-base and filled with no-fines aggregate. System does not need compaction, and should minimise impact on the areas of RPA proposed as driveway.

Key

- T1 Stem position and tree number (stem diameter to scale)
- Canopy spread of tree, colour coded according to BS 5837 category
- Notional Root Protection Area [RPA] as defined by BS 5837:2012 (standard model)
- Approved drive layout
- Proposed drive layout
- ▨ Incursion into RPA (changes from approved)
- ▨ Area for hand excavation and installation of a cellular confinement system. HAND EXCAVATION ONLY
- Tree protection fencing



Client: Thompson Family
 Project: 41 College Road, Dulwich
 Title: TREE CONSTRAINTS PLAN, PROTECTION PLAN & METHOD STATEMENT
 Date: 08/12/23 Scale: 1: 200 @ A1 (CHECK PRINTER SPEC)
 Drawn: MW Checked: PW Client Ref:
 Drawing Number: WLA/2223/01
 Rev: C

WRIGHT

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