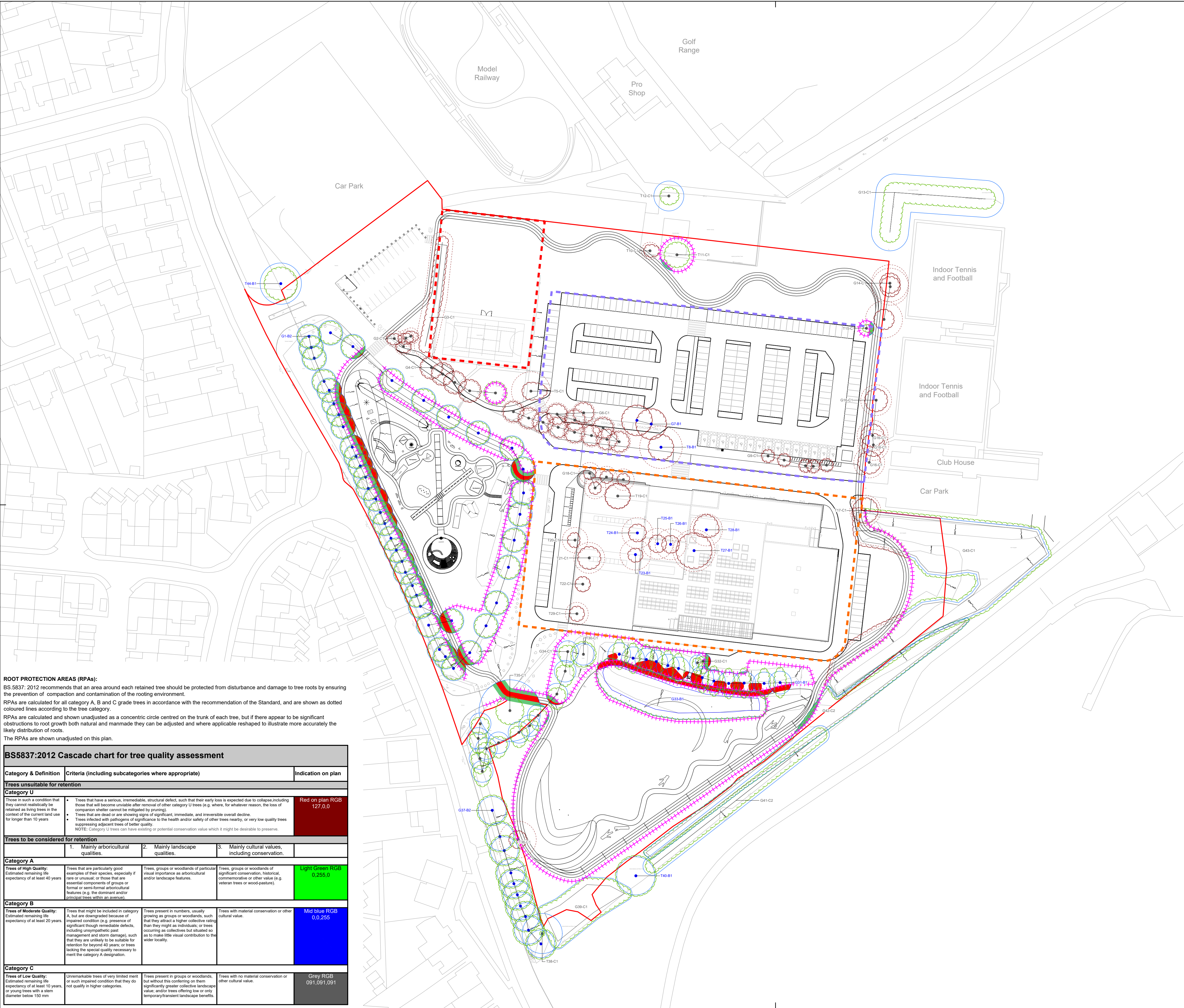




ROOT PROTECTION AREAS (RPAs):
BS 5837: 2012 recommends that an area around each retained tree should be protected from disturbance and damage to tree roots by ensuring the prevention of compaction and contamination of the rooting environment.
RPAs are calculated for all category A, B and C grade trees in accordance with the recommendation of the Standard, and are shown as dotted coloured lines according to the tree category.
RPAs are calculated and shown unadjusted as a concentric circle centred on the trunk of each tree, but if there appear to be significant obstructions to root growth both natural and manmade they can be adjusted and where applicable reshaped to illustrate more accurately the likely distribution of roots.
The RPAs are shown unadjusted on this plan.

BS5837:2012 Cascade chart for tree quality assessment				
Category & Definition	Criteria (including subcategories where appropriate)			Indication on plan
Trees unsuitable for retention				
Category U Those in such a condition that they cannot realistically be retained as living trees in the context of the current land use for longer than 10 years	- Trees that have a serious, irredeemable, structural defect, such that their early loss is expected due to collapse, including those that will become unstable after removal of other category U trees (e.g. where, for whatever reason, the loss of companion shelter cannot be mitigated by pruning). - Trees that are dead or are showing signs of significant, immediate, and irreversible overall decline. - Trees infected with pathogens of significance to the health and/or safety of other trees nearby, or very low quality trees suppressing adjacent trees of better quality. NOTE: Category U trees can have existing or potential conservation value which it might be desirable to preserve.			Red on plan RGB 127,0,0
Trees to be considered for retention				
	1. Mainly arboricultural qualities.	2. Mainly landscape qualities.	3. Mainly cultural values, including conservation.	
Category A Trees of High Quality: Estimated remaining life expectancy of at least 40 years	Trees that are particularly good examples of their species, especially if rare or unusual, or those that are essential components of groups or formal or semi-formal arboricultural features (e.g. the dominant and/or principal trees within an avenue).	Trees, groups or woodlands of particular visual importance as arboricultural and/or landscape features.	Trees, groups or woodlands of significant conservation, historical, commemorative or other value (e.g. veteran trees or wood-pasture).	Light Green RGB 0,255,0
Category B Trees of Moderate Quality: Estimated remaining life expectancy of at least 20 years	Trees that might be included in category A, but are downgraded because of impaired condition (e.g. presence of significant though remediable defects, including unsympathetic past management and storm damage), such that they are unlikely to be suitable for retention for beyond 40 years, or trees lacking the special quality necessary to merit the category A designation.	Trees present in numbers, usually growing as groups or woodlands, such that they attract a higher collective rating than they might as individuals, or trees occurring as collectives but situated so as to make little visual contribution to the wider locality.	Trees with material conservation or other cultural value.	Mid blue RGB 0,0,255
Category C Trees of Low Quality: Estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150 mm	Unremarkable trees of very limited merit or such impaired condition that they do not qualify in higher categories.	Trees present in groups or woodlands, but without this conferring on them significantly greater collective landscape value, and/or trees offering low or only temporary/transient landscape benefits.	Trees with no material conservation or other cultural value.	Grey RGB 091,091,091

LEGEND:

- Existing Retained Tree Canopy
- Root Protection Area Retained
- Existing Removed Canopy
- Root Protection Area Removed
- Tree Protection Fencing
- Area Requiring 'Method Statement'
- Area Requiring 'Ground Protection'
- Indicative location of construction area (drawing ref. 22/043/SL1 rev. 02)
- Indicative location of construction area (drawing ref. 22/043/SL2 rev. 02)
- Indicative location of site accommodation and car parking
- Site Boundary

Tree Removal Schedule				
Tree Ref. No.	Common Name	Height (m)	Stem diam.(mm)	Cat. Grading
G2	Group	10	270	C1
G3	Group	11	360	C1
T5	Hybrid Black Poplar	13	630	C1
G6	Group	11	370	C1
G7	Group	14	500	B1
T8	Atlantic Cedar	16	690	B1
G9	Group	7	230	C1
T10	Bird Cherry	8.5	280	C1
G16	Group	14	500	C1
T17	Laws on Cypress	14	500	C1
G18	Group	10	360	C1
T19	Ash	10	400	C1
T20	Ash	11.5	410	C1
T21	Norway Maple	12	500	C1
T22	Norway Maple	9	250	C1
T23	Italian Alder	14	500	B1
T24	Italian Alder	15	500	B1
T25	Italian Alder	15	500	B1
T26	Italian Alder	15	500	B1
T27	Ash	13	680	B1
T28	Italian Alder	14	280,440	B1
T29	Norway Maple	9	370	C1
T36	Common Lime	12	600	C1

Partial Group Removal Schedule (G/H/W)				
Group Ref. No.	Common Name	Height (m)	Stem diam.(mm)	Cat. Grading
G4	Group	12	330	C1
G14	Group	14	600	C1
G43	Group	7	75	C1



0 7.5 15 22.5 30 37.5
1:750 m

This drawing and design are the copyright of Lloyd Bore Ltd. Do not scale from this drawing. This drawing has been produced for the purposes of a planning application and is not intended for construction purposes. The information is subject to checking and written approval by the project engineer, particularly in respect of above and below ground services, structures and foundations.

rev.	rev. date	auth.	rev. note
P01	30/11/22	DB	Initial Issue
P02	11/11/25	DB	Inclusion of proposed site compound.
P03	13/11/25	DB	Minor amendments.

rev.	rev. date	auth.	rev. note
------	-----------	-------	-----------

client. **Willmott Dixon Construction Limited**
project. **Cascades, Gravesend**
Cascades Leisure Centre
Thong Lane, Gravesend DA12 4LG

drawing no. **6183-LLB-XX-XX-DR-Ab-0002** rev. **P03**
drawing title. **Tree Protection Plan**
drawn. **TB**
checked. **DB**

rev date. **13/11/2025**
scale. **1:750**
sheet. **A3**
drawn. **TB**
checked. **DB**

lloyd bore landscape ecology arboriculture
33 ST. GEORGE'S PLACE, CANTERBURY, KENT CT1 1UT 01227 464 340
www.lloydbore.co.uk mail@lloydbore.co.uk