SITE:	17 Dene Road Northwood, HA6 2BS
CLIENT:	GAVACAN HOMES
BRIEF:	CARRY OUT A PHASE II ARBORICULTURAL IMPACT ASSESSMENT ON TREES ADJACENT TO THE FOXDELL ENTRANCE TREES TDR1 AND TDR2 WERE SURVEYED ON 9TH APRIL 2025 WITH THEIR POSITIONS ALONG & FROM THE REAR BOUDARY FENCE TAPE-MEASURED

SURVEYOR:	R. BALL
ASSESSMENT DATE:	24TH JAN. 2025
VIEWING CONDITIONS:	SUNNY
JOB REFERENCE:	101 987/101 112

TREE HEDGE GROUP NO.	SPECIES (COMMON NAME)	AGE RANGE/ LIFE STAGE	HEIGHT (m)	RADIAL CROWN SPREAD (m) N	E	S	W	CROWN CLEARANCE & DIRECTION OF GROWTH (m)	STEM/ MULTI-STEM* DIA. (mm)	VITALITY	COMMENTS/STRUCTURAL MORPHOLOGY	PRELIMINARY MANAGEMENT	CATEGORY & SUB-CATEGORY GRADING BS 5837	BS 5837 RPA RADIUS (m)	BS 5837 RPA (m^2)
TCP 11	Black Pine	EM	24+	4	8	6	7	9.0	720	N	Unbalanced crown due to competing deodar cedar to the north but otherwise a significant tree that provides important public visual amenity	Remove low-crown deadwood **NB** This is a public-realm tree	B1	8.6	234.5
TDR 1	Norway Maple *Off-site tree at 5c Dene Road with access to survey from within the site*	EM	19+	4	6	7	6	9.0	505	N	Heavily lopped back from the subject site. Consequently tree has average crown form.	Tree surveyed within the garden with as such no action required at time of survey	C1	6.1	115.3
TDR 2	Norway Maple *Off-site tree at 5c Dene Road with access to survey from within the site*	EM	19+	3.5	6	6	4	5.0	420	N	Less heavily lopped back from the subject site but tree still has average crown form.	Tree surveyed within the garden with as such no action required at time of survey	C1	5.1	79.8

With Plot Two, there would be an RPA *edge* incursion on TDR 1 of 17.7%* and on TDR2 of 8.5%**, however, for trees with normal vitality, and with some loss of *ephemeral* fine feeder roots***, we regard this incursion as acceptable in terms of tree health and stability. **NB** There is (soil) space for the fine non-woody feeder roots on both trees to exploit the contiguous soil areas to the east and west (i.e. compensatory root growth).

* TDR1 RPA of 115.3m² with incursion of 20.5m² = 17.7%. **NB** This is below the maximum 20% recommended in BS:5837 (2012).

** TDR2 RPA of 79.8m² with incursion of 6.8m² = 8.5%. **NB** This is below the maximum 20% recommended in BS:5837 (2012).

*** As opposed to the large structural woody roots that spread-out for a short distance from the trunk base and importantly can persist for the life of a tree, the more distal fine non-woody feeder roots (function: to absorb water & essential nutrients) are much shorter lived: from a year to only 10 days. As such there is a continual annual turn-over of these feeder roots that are produced, where ground/soil conditions are favourable and as needed by the tree, to capture water and essential nutrients from unexploited areas of the surrounding soil. Therefore, the initial loss of **edge feeder roots** in this RPA incursion would not adversely impact on the physiological health and or stability of these trees. Lastly, in this sense the generic BS:5837 calculated RPA radial/m² dimension does not necessarily correlate to the *actual* year-on tree root (plate) morphology.

Ref:

(1) Dept. for Communities and Local Government. London TSO *Tree Roots in the Built Environment* (2006). (page 50)

(2) International Society of Arboriculture and ISA Europe Ltd *Arborists' Certification Study Guide (UKI edition)* (1999). Edited by JH Kenyon and Russell Ball (pages 4-5)

THIS TREE PROTECTION PLAN MUST BE READ IN CONJUNCTION WITH THE ARBORICULTURAL METHOD STATEMENT THAT ACCOMPANIES THE TREE REPORT (IN APPENDIX 3)

NOTES
1. As the base plan the Merewood ACS Arb. Impact Assessment (Rev D and dated March 2023) has been used.
2. For the LPA Condition 11, we have plotted TPC11.
3. TPP realigned as previously plotted through the neighbour's garden.

Arbol EuroConsulting
1 Landford Close Rickmansworth WD3 1NG

17 Dene Road N/wood
Condition 11 (Foxdell)

SCALE : 1 : 500 @ A3
DATE : 09/04/2025
MAP FILENAME : 101 987

The original of this drawing was produced in colour - a monochrome copy should not be relied upon

PHASE 2
PHASE 1
Foxdell
Plot 1
Plot 2
T94 Deodar TCP11 B
Welfare Hut Base
T105 Norway Spruce
T108 Yew
T109 Silver Birch
T92 Oak
TDR1 C
TDR2 C

KEY for TCP11
Root Protection Area (RPA)
Crown Spread
BS: 5837 Retention Grade
Temporary Tree Protection Barrier
Temporary Ground Protection
Temporary Protection Box around TCP11
Temporary Road Plate

RPA Incursion on TDR1 & TDR2

5m 10m 15m 20m
SCALE BAR