MORFE VALLEY ARBORICULTURE

Tree ID	Latin Name	Age	Height (m)	Height and direction of first significant branch (m)	Stem 1 dia (mm)	Stem 2 (mm)	Stem 3 (mm)	Stem 4 (mm)	Stem 5 (mm)	Spread - N (m)	Spread - E (m)	Spread - S (m)	Spread - W (m)	BS Cat	Life Expectancy	Sub cat	Comment
H1	X Cupressocyparis leylandii	Mature	12	0	275					4	3	4	3	C	20 to 40 yrs	2 Landscape Values	Heavily cut back on northern aspect. Unmanaged hedge.
T1	Ilex aquifolium	Mature	14	0	325					3	3	3	3	U	<10 years	1 Landscape Values	Dead/dying tree fell
T2	Ilex aquifolium	Mature	15	0	350					3	4	4	3	U	<10 years	1 Landscape Values	Dead/dying tree fell

T3	Aesculus hippocastanum	Mature	22	5W	925					6	6	8	7	U	<10 years	1 Landscape Values	The south-western aspect contains a historic cavity infilled with concrete, with associated wounds and partially occluded openings; mallet sounding indicates a hollow resonance consistent with internal decay. As a horse chestnut, the tree has inherently poor compartmentalisation, meaning defects of this nature typically progress and cannot be stabilised through woundwood development. With a roadside target, an unquantifiable decay column, and a realistic life expectancy of fewer than ten years, further investigation to pursue retention is not proportionate, and the context does not justify attempting to preserve a tree with such limited structural prospects.
T4	Taxus baccata	Mature	15	2NE	550	375				4	5	7	4	B	>40 yrs	2 Landscape Values	Codominant stem at base southern stem has become dominant.
T5	Tilia europaea	Mature	19	0	675					5	5	6	6	B	>40 yrs	2 Landscape Values	Minor deadwood in canopy. Extensive epicormic restricting inspection, stem diameter estimated. Remove basal epicormic to allow inspection, and accurate measurements.
T6	Aesculus hippocastanum	Mature	18	3S	850					7	5	8	7	B	>40 yrs	2 Landscape Values	Normal leaf minor, no sign of bleeding cankers.
T7	Taxus baccata	Mature	16	3N	450	425				4	5	5	4	B	>40 yrs	2 Landscape Values	Codominant stem at base no compression. Generally good form.

T8	Aesculus hippocastanum	Mature	22	5S	1150					6	4	6	5	U	<10 yrs	3 Landscape Values	A stem cavity on the western aspect has been infilled with concrete, while the opposing eastern side contains a large open cavity extending approximately 500 mm down into the stem when probed; several historic flush-cut wounds are also present and will not occlude. As a horse chestnut, the tree exhibits poor compartmentalisation, meaning decay of this nature typically progresses and cannot be stabilised through woundwood development. Although tomograph or resistograph testing could quantify the extent of internal decay, current observations already indicate significant structural weakness and an elevated likelihood of failure. In the absence of measurable residual wall thickness and given the species, condition, and context, the tree should be considered unsuitable for retention and removed.
H2	X Cupressocyparis leylandii	Semi-mature	5	0	100					1	1	1	1	C	>40 yrs	2 Landscape Values	Low quality hedge group.