

JUBILEE PARK, LIVERPOOL

ARBORICULTURAL IMPACT ASSESSMENT (AIA)

January 2024

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1 INTRODUCTION

1.1 Introduction

Surfacing Standards Ltd. have asked Weddles to inspect the trees onsite and prepare an Arboricultural Impact Assessment report. This report has been prepared to assist decision making for a planning application at the site at Jubilee Park, Knowsley.

This report has been prepared by Neil Northrop BA DipLD MCIHort MARborA CMLI of Weddle Landscape Design. Neil is a Chartered Landscape Architect and professional member of the Arboricultural Association, registered user of Quantified Tree Risk Assessment with over 12 years experience of arboricultural consultancy.

This report considers the impact of development on the trees and refers to drawing 1650-001 Tree Survey, 1650-002 Tree Constraints Plan and 1650-003 Tree Protection Plan.

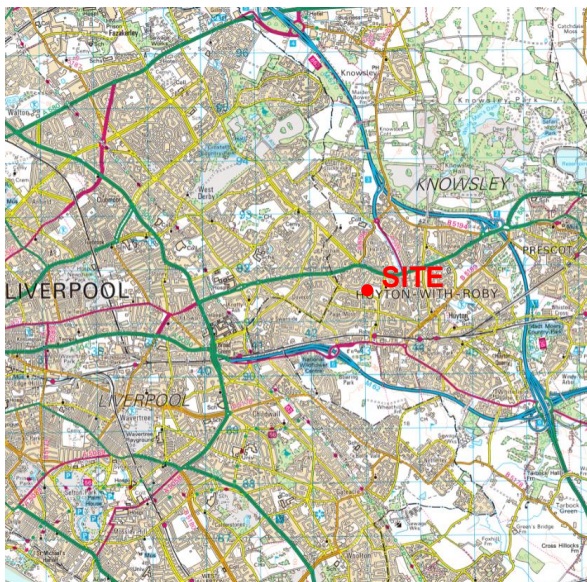
1.2 General Site Description

The site is within Jubilee Park which sits off Dinas Lane, in Huyton, Knowsley. The site is the south-west portion of a local park, which holds a variety of sports facilities and a play park with car parking and a pavilion. There is a school to the north, and residential streets wrapping around the rest of the park. Liverpool Road runs 400m to the north, and Liverpool lies to the west.

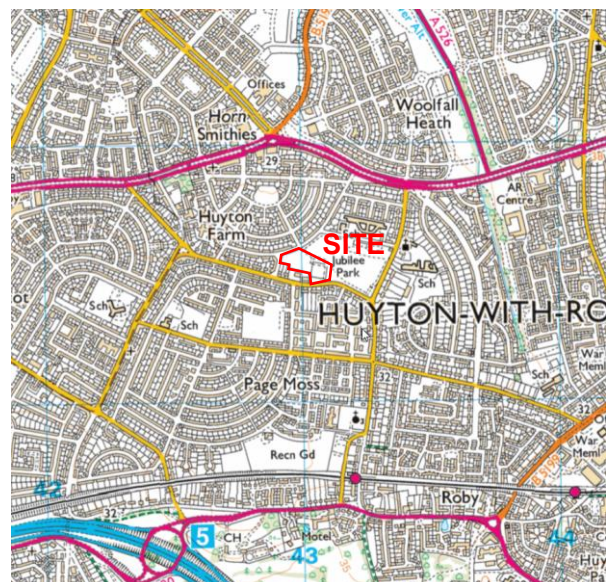
The site is currently a recreational field with an area of hard standing and a pavilion, which are to the west of a bowling green. Trees line the road-facing edges of the site.

A search of Knowsley Borough Councils local plan shows that the site does not lie within a Conservation Area (CA).

There 33 no. trees and 7 no. groups and 3 no. hedges associated with the site. These are mostly native species including Field Maple, Hawthorn, Oak, Ash, Sycamore and Elder.



Site Location





Satellite imagery of site

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3 TREE CONDITION

The tree survey includes an assessment of life stage, life expectancy, general observations on condition and categorisation in accordance with BS 5837:2012 'Trees in Relation to Design, Demolition and Construction – Recommendations' Section 4.5 and Table 1. Specific information is presented in the tree schedule on drawing LBR 01.

The survey included 33 no. trees and 7 no. groups and 3 no. hedges.

NO	TREE SPECIES	TREE SPECIES	HEIGHT	SPREAD	Clear	DIA	N	CAT.	Life	Life	NOTES
	Common Name	Scientific Name	m	m	stem (m)	mm			Stage	exp yrs	
T1	European ash	Fraxinus excelsior	12	10	2	400		C2	Mature	40+	
T2	Plum	Prunus domestica	7			330	N	B2	Mature	20-40	Multistem from base. Previous pruning work. Crossed limbs to east.
T3	Plum	Prunus domestica	7		0.5	290	N	C2	Mature	20-40	Multistem from 0.5m. Previous pruning work. Cavity at 1m
T4	Field Maple	Acer campestre	7	9	1	250	N	C2	Early-Mature	40+	
T5	Plum	Prunus domestica	6	7	0.5	300	N	C2	Mature	20	Multistem. Previous pruning work. Fused main limbs
T6	Field Maple	Acer campestre	8		1.5	350		C2	Semi-Mature	40+	Epicormic. Previous pruning work.
T7	Hawthorn	Crataegus monogyna	5		1	210	N	C2	Semi-Mature	40+	Multistem, Previous pruning work
T8	Bird Cherry	Prunus padus	10		2.5	450		B2	Mature	20-40	Minor decay
T9	Ash	Fraxinus excelsior	14		1.5	400		B2	Mature	40+	Some dead wood. Minor dieback
T10	English Oak	Quercus robur	10		2.5	300		B2	Mature	40+	Epicormic trunk. Some dead wood.
T11	English Oak	Quercus robur	12		2.5	400		B2	Mature	40+	Some dead wood.
T12	Field Maple	Acer campestre	12		2	350		B2	Mature	40+	Major bark stripped
T13	Ash	Fraxinus excelsior	14		2.5	370		B2	Mature	40+	Some dead wood.
T14	English Oak	Quercus robur	10		2	300		C2	Mature	40+	Suppressed. Lean west. Some dead wood.
H15	Holly, Hawthorn, Privet	Ligustrum vulgare	4	3	-	50-150		C2	Early-Mature	40+	0.3m centers
H16	Privet, Elder, Hawthorn	Ligustrum vulgare, Sambucus nigra	6	5	-	50-150		C2	Semi-Mature	40+	2m centers
T17	Plum	Prunus domestica	7		-	690	N	U	Mature	0-10	Multistem. Previous pruning work. Large 350 dia fallen limb from base (still attached). Cracked at base. Fused limbs. Multiple wounds and decay @ 1m.
T18	Plum	Prunus domestica	9		0.5	650	N	C2	Mature	0-10	Multistem. Major bark stripping from base to 1.5m by animal.
T19	Plum	Prunus domestica	5		-	250	N	C2	Early-Mature	20-40	Multistem. Suppressed. Severe lean north-east
T20	Ash	Fraxinus excelsior	12		2	300		C2	Semi-Mature	10-20	Railing girdling.
T21	Lawson cypress	Chamaecyparis lawsoniana	10		1	300		C2	Semi-Mature	40+	Palasade fence girdling. Ivy covered stem

T22	Field Maple	Acer campestre	10	7	2	250		C2	Early-Mature	40+	Off site
T23	Field Maple	Acer campestre	10	6	2	250		C2	Early-Mature	40+	Off site
T24	Ash	Fraxinus excelsior	8		1	200	N	C2	Early-Mature	10-20	Cut back, 80% dead, Palasade fence girdling. Suppressed.
T25	Sycamore	Acer pseudoplatanus	7	5	2.5	230		C2	Early-Mature	10-20	Palasade fence girdling.
T26	Sycamore	Acer pseudoplatanus	7	3	2.5	180		C2	Early-Mature	10-20	Palasade fence girdling.
G28	Sycamore	Acer pseudoplatanus	7	3	-	100	N	C2	Young	10-20	2no. Previously pruned to base. Palasade fence girdling.
T29	Sycamore	Acer pseudoplatanus	7		-	200		C2	Early-Mature	10-20	Palasade fence girdling.
G30	Sycamore	Acer pseudoplatanus	8		0.5 - 2	200		C2	Early-Mature	10-20	4no. Major palasade fence girdling.
G31	Leyland cypress	Cupressus x leylandii	7	5	-	50-200		C2	Early-Mature	40+	0.5m centers
T32	Sycamore	Acer pseudoplatanus	10	-	-	240	N	C2	Early-Mature	10-20	Multistem. Palasade fence girdling.
T33	Elder	Sambucus nigra	6	6	-	150	N	C2	Early-Mature	10-20	Multistem. Palasade fence girdling.
T34	Sycamore	Acer pseudoplatanus	5		1	200	N	C2	Young	20-40	Multistem. Palasade fence girdling.
G35	Hawthorn, Elder, Fir	Crataegus monogyna, Sambucus nigra, Abies sp.	3-6	4	-	50-150		C2	Early-Mature	40+	
T36	Goat willow	Salix caprea	6	10	-	280	N	C2	Semi-Mature	40+	Multistem. Severe lean to the South
H37	Privet	Ligustrum vulgare	5	2	-	50		C2	Semi-Mature	40+	
T38	Lawson cypress	Chamaecyparis lawsoniana	10	4	0.5	580	N	B2	Mature	40+	Multistem. Previous pruning work.
T39	Whitebeam	Sorbus aria	5	5	2	200		C2	Semi-Mature	40+	
T40	Sycamore	Acer pseudoplatanus	8	7	4	350		B2	Mature	40+	
G41	Sycamore, Hawthorn, Bird Cherry, Cherry, Oak, Field Maple, Rowan, Ash, Hazel, Cherry laurel,	Acer pseudoplatanus, Crataegus monogyna, Prunus padus, Prunus avium, Acer campestre, Sorbus aucuparia, Fraxinus excelsior, Corylus avellana, Prunus lauroceracus	4-12	2-10		140-160		C2		40+	Approx 45 no.
G42	Tibetan Cherry	Prunus serrula	6	2	2.5	75		C2	Young	40+	
G43	Tibetan Cherry	Prunus serrula	5	2	2	100-150		C2	Semi-Mature	40+	Asymmetric crown



Girdling with palisade fence present on G28 & G30.

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Large limb fallen from T17. Cracked at base.

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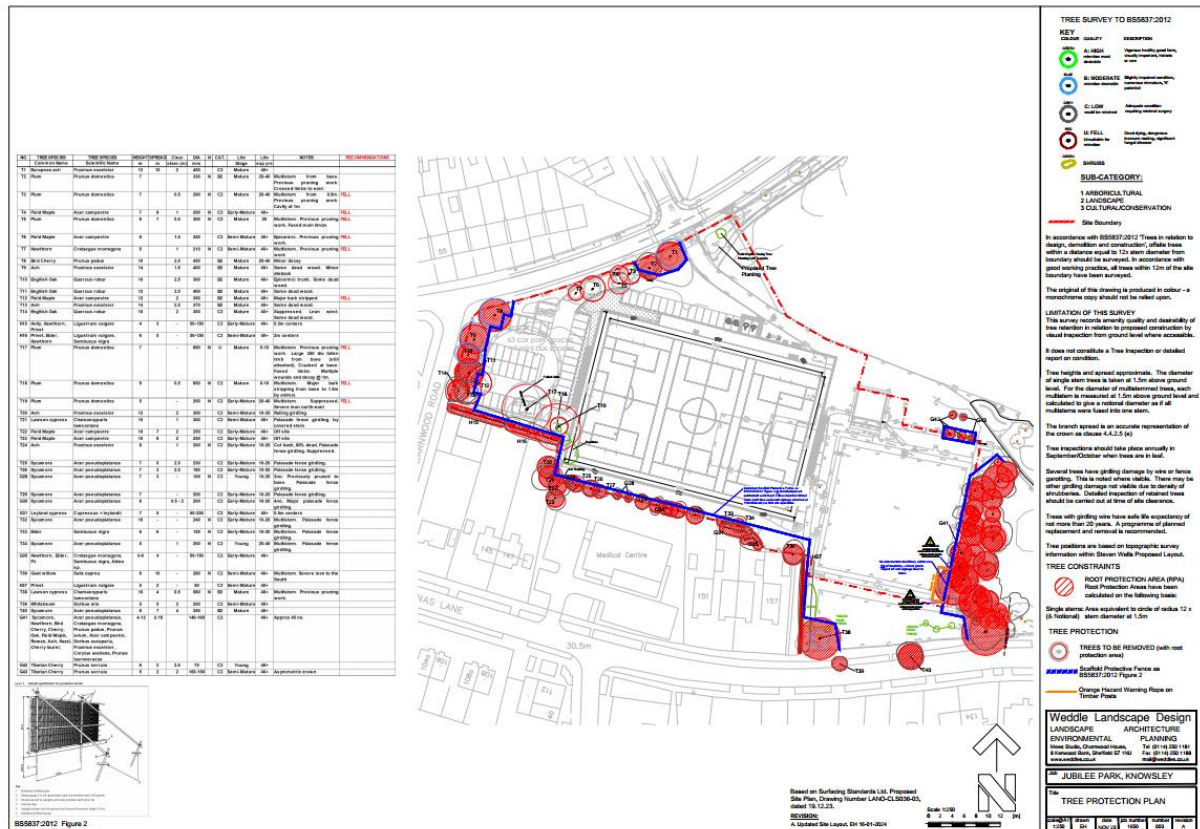
Major bark stripping to 1.5m on T12.

4 DEVELOPMENT IMPACT

4.1 Description of proposed development

The proposal is for an artificial grass pitch development with associated fencing, floodlighting, hardstanding, and car park with access alterations. Most of the development avoids the rooting areas of on-site trees.

The proposed layout is shown on drawing 1650 – 003A. The Tree Protection Plan also indicates the position for protective barriers.



Tree Protection Plan – 1650 – 003A

4.2 Implications of proposed development

4.2.1 Trees to be removed

9 No. trees will be removed as part of the development.

a) Of these 3 No. will be removed for Arboricultural reasons:

- T17 has a large 350mm diameter fallen limb and is cracked at its base. It has major signs of decay and has multiple other wounds. It is a category U and is unsuitable for retention.
- T18 has major bark stripping to 1.5m and growth is suppressed. It is considered to be category C but given its proximity to the proposed development, it has been selected for removal.
- T19 has suppressed growth and a severe lean. It is considered to be category C, but given its proximity to the proposed development it has been selected for removal.

b) The layout has been developed considering a number of factors including engineering levels, access roads, connection to highway, parking provision, architectural massing, service easements and tree constraints etc. To achieve a viable layout will require the removal of 6 No Trees, all of which are graded low quality (category C):

- T3, T4, T5, T6 and T7 form the park boundary planting, but clash with the proposed car park access.
- T12 clashes with the car parking area.

4.2.2 Trees to be retained

All other trees will be retained. The proposed development has the potential to impact on the retained trees and protective fencing will be erected to surround all retained trees. The location of protective fencing and additional Hazard Warning Rope is shown on drawing 1650-003A Tree Protection Plan.

Retained trees are all close to the proposed developments and the following works are proposed:

- a. Something about the girdling on G28 and G30?

It is considered that with the fencing and methods proposed during construction any impacts on retained trees will be satisfactorily mitigated, ensuring their long term health.

4.2.3 Mitigation

The removal of the low quality trees can be mitigated through replacement tree planting within the park and through a scheme of long term woodland management.

APPENDIX A

BS 5837:2012 Standard Tree Protection Fence

Figure 2 Default specification for protective barrier

