CARDINAL HEENAN CATHOLIC HIGH SCHOOL, LIVERPOOL

PROPOSED PERIMETER FENCE INSTALLATION

ARBORICULTURAL IMPACT ASSESSMENT AND METHOD STATEMENT

TEP
Genesis Centre
Birchwood Science Park
Warrington
WA3 7BH

Tel: 01925 844004
Emal: tep@tep.uk.com
www.tep.uk.com

Offices in Warrington, market Harborough, Gateshead, London and Cornwall

KEY

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- T1 Individual trees
- G1 Groups of trees
- Root Protection Area (RPA)
- Survey Boundary
- * Tree Preservation Order LCC TPO265

All tree positions are approximate and are plotted from aerial images and on site observation

Tree Quality Categorisation

(Based on BS 5837:2012 Trees in relation to design, demolition and construction - Recommendations)

- Category A (High quality)
- Category B (Moderate quality)
- Category C (Low quality)
- Category U (Unsuitable for retention)

NOTE: This drawing should be read in conjunction with the respective Arboricultural Survey Data (See Drawing D6006.002).

Rev	Description	Drawn	Approved	Date

THE ENVIRONMENT PARTNERSHIP

Genesis Centre, Birchwood Science Park, Warrington WA3 7BH
Tel 01925 844004 e-mail tep@tep.uk.com www.tep.uk.com

Project
Cardinal Heenan Catholic High School, Liverpool
Arboricultural Method Statement

Title
Drawing 1: Tree Constraints Plan

Drawing Number
D6006.001

Drawn	Checked	Approved	Scale	Date
AAB	RMG	JGS	1:1,500 @ A3	22/09/2016

Survey Results and Tree Impact Summary

- Tree cover surveyed on the site consists of a number of large groups that collectively form moderate and high quality features along the school frontage on Honey's Green Lane to the north-west and Blackmoor Drive to the south-west. There are several groups of lower quality and smaller trees further within the school grounds forming screening groups and amenity tree cover.
- The development proposals include the installation of a new 3m high security fence roughly parallel to an existing boundary fence.
- A number of the larger trees on the site are covered by Tree Preservation Order (LCC TPO265), although the document makes the identification of all protected trees difficult. A reasonable interpretation of the Order is provided on the plan opposite. It will be necessary for the LPA to confirm which trees are covered by the TPO (LCC TPO265) as some of these trees may be affected by proposed works.
- The expected impact of the proposals on existing trees is low and the final alignment of the new fence has been decided in order to minimise this impact and ensure all high quality trees are retained and protected.
- The proposals require the removal of 22 trees, mostly from groups, and some pruning works to further trees in order to provide clearance from the new fence (see table in Key and D6006.003 for details)
- The removal of these trees will not significantly affect the quality or value of the remaining groups and will be replaced with an equal number or more of new trees within the school grounds.
- There is the possibility of further new planting through uptake of the Woodland Trust School Tree Pack offer.

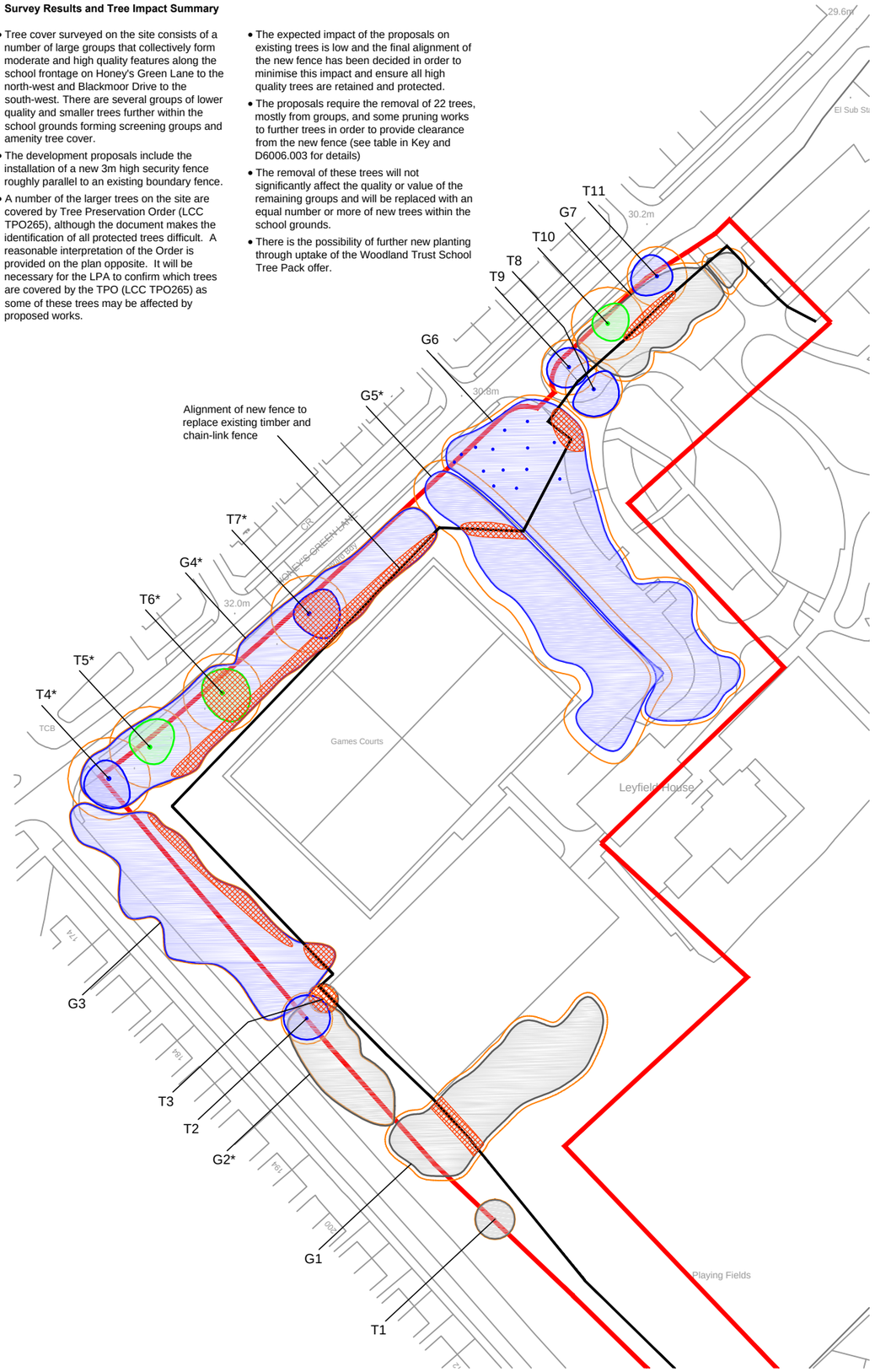

Table 1: Tree Survey Data Tables

Ref	Species	Height	Stem Dia.	Maturity	Condition	Comments on form, condition, health and significant defects	BS5837 Tree Quality Assess.	Radius of RPA guide circle	BS5837 RPA Area	Management Recommendations	Estimated Remaining Contribution	TPO
		(m)	(mm)	Young, Middle Age, Mature	Good, Fair, Poor, Veteran		A,B,C,U (1,2,3)	(m)	(m2)		Long, Medium, Short	Y/N
Trees												
T1	Sycamore	10.0	430	Middle Age	Fair	Adjacent to existing fence line, established basal suckers, pruning wounds and stubs, broken branches and small diameter dead wood in crown	C,1	5.2	83.6	May need pruning back from new fence line	Long	N
T2	Beech	17.0	550	Middle Age	Fair	Tag no. (2)738, Pruning wounds present, bark wounds on main stem, no major defects observed	B,1	6.6	136.8	None likely required	Long	N
T3	Common ash	16.0	290	Middle Age	Fair	Pruning wounds present, bark wounds and vertical seams on main stem, old Inonotus bracket noted on ground beneath	C,1	3.5	38.0	Good candidate for removal to allow for fence	Medium	N
T4	Horse chestnut	16.5	880	Mature	Fair	Large wound to western side of main stem, bifurcates at 2m, typical species form	B,1	10.6	350.3	Impact of fence likely to be low	Medium	Y
T5	Beech	22.0	870	Mature	Good	Uneven crown due to major raise in past to south, pruning wounds and stubs, no major defects observed	A,1	10.4	342.4	Impact of fence likely to be low	Long	Y
T6	Beech	20.0	840	Mature	Good	Pruning wounds and stubs, dead wood in crown with some larger pieces over 75mm, no major defects noted	A,1	10.1	319.2	Impact of fence likely to be low, crown raise if necessary	Long	Y
T7	Beech	21.0	820	Mature	Fair	Pruning wounds and stubs, dead wood in crown with some larger pieces over 75mm, vertical crack on main stem from 2m with possible internal decay	B,1	9.8	304.2	Impact of fence likely to be low, crown raise if necessary	Long	Y
T8	English oak	17.0	610	Middle Age	Fair	Pruning wounds present, some damage to surface roots, bark wounds on main stem and upper limbs, no major defects noted	B,1	7.3	168.3	Impact of fence likely to be low	Long	N
T9	Sycamore	16.0	590	Middle Age	Fair	Pruning wounds and stubs, small diameter dead wood in crown, no major defects noted	B,1	7.1	157.5	Impact of fence likely to be low	Long	N
T10	Beech	18.0	780	Mature	Good	Pruning wounds observed, stem bifurcates at 2m, no major defects noted	A,1	9.4	275.2	None likely required, high quality tree - avoid if possible	Long	N
T11	Beech	17.0	640	Middle Age	Good	Pruning wounds where crown raised, small diameter dead wood in crown, no major defects noted	B,1	7.7	185.3	Impact of fence likely to be low	Long	N
Groups												
G1	Common ash, sycamore	16.5	340	Young to Middle Age	Fair	Small linear group to south-east of large pitch, pruning wounds and stubs, broken branches present, bark wounds observed	C,1,2	Refer to Drawing	n/a	Proposed fence will pass through group, may require removal of some specimens, crown raise where necessary	Long	N
G2	Common ash, sycamore, goat willow	16.5	310	Middle Age	Fair	Sparse group to west of large pitch, pruning wounds and stubs, broken branches present, bark wounds observed, some trees may have TPO	C,1,2	Refer to Drawing	n/a	May require crown raise to prevent access over fence	Long	Y
G3	Wych elm, red oak, Turkey oak, beech, hawthorn, privet, sycamore, common ash, common lime,	16.5	440	Young to Middle Age	Fair	Large trees adjacent to boundary with smaller tree understorey, pruning wounds and stubs observed, small diameter dead wood throughout, good screening value, some trees may be covered by TPO	B,1,2	Refer to Drawing	n/a	Crown raise if necessary, some small specimens may require removal	Long	Y
G4	Common ash, common lime, common alder, English oak, Turkey oak, red oak, whitebeam, wild cherry, beech, holly, dogwood, viburnum	19.0	440	Young to Middle Age	Fair	Larger trees with understorey and planted ornamentals, natural gap between larger outer trees and smaller inner, pruning wounds throughout,some trees maybe covered by TPO	B,1,2	Refer to Drawing	n/a	Some removals may be required, crown raise where necessary	Long	Y
G5	Sycamore, common lime, Turkey oak, holly, elder	19.0	670	Young to Middle Age	Fair	Pruning wounds and stubs, bark wounds throughout, small diameter dead wood in crowns, no major defects observed, some may be covered by TPO	B,1,2	Refer to Drawing	n/a	Impact only at western end, some removals and crown raising if necessary	Long	Y
G6	Common ash, common lime, beech, sycamore, hawthorn, crack willow	25.0	240-860	Middle Age	Fair	Group of medium to large trees with some very tall, open spacing, pruning wounds, small diameter dead wood in crowns, no major defects present	B,1,2	Refer to Drawing	n/a	Careful planning necessary to reduce impact, crown raise if necessary, potential to remove some smaller trees	Long	N
G7	Common lime, beech, crack willow, hawthorn, holly	16.0	520	Young to Middle Age	Fair	Pruning wounds and stubs, bark wounds throughout, some sycamores topped at 6m, small recently established beech hedge adjacent to path	C,1,2	Refer to Drawing	n/a	Remove some smaller trees if required, crown raise if necessary	Long	N

KEY

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- T1 Individual trees
- G1 Groups of trees
- Survey Boundary
- * Tree Preservation Order LCC TPO265
- Illustrative line of proposed new fence
- Area of potential impact from installation of new fence - See Drawing D6006.003

Tree Quality Categorisation

(Based on BS 5837:2012 Trees in relation to design, demolition and construction - Recommendations)

- Category A (High quality)
- Category B (Moderate quality)
- Category C (Low quality)
- Category U (Unsuitable for retention)

Table 2: Arboricultural Impacts

Tree removal details				
	Category A	Category B	Category C	Category U
	-	4 trees G3, 4 trees G6	T3, 7 trees G1, 6 trees G7	-
Total	-	8	14	-

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Project

Cardinal Heenan Catholic High School, Liverpool
Arboricultural Method Statement

Title

Drawing 2: Arboricultural Impact Assessment

Drawing Number

D.6006.002

Drawn	Checked	Approved	Scale	Date
AAB	RMG	JGS	1:1,500 @ A3	04/10/2016

Arboricultural Method Statement

This Arboricultural Method Statement (AMS) outlines the parameters within which tree management and fence installation must be undertaken in order to minimise arboricultural impacts. The detail and requirements of this method statement comprise commitments to complete site activities in a specific manner and must inform the production of all relevant tender documents.

Failure to adhere to the correct sequence, manner and timing of operations detailed below may result in irremediable damage to trees, and thereby breach of planning consent.

SEQUENCE OF EVENTS

(presented in chronological order of completion)

Tree Pruning and Removal

1. A suitably qualified, experienced and insured contractor will be appointed to undertake the tree survey works.
2. A site meeting will be arranged by the Site Manager between the appointed Tree Surgery Contractor and an Arboricultural Consultant.
3. The Arboricultural Consultant will outline the scope of works according to this document. During the meeting trees to be removed will be marked with spraypaint by the Arboricultural Consultant to assist with identification where necessary. This will be in accordance with the recommendations made in Table 1 below.
4. Tree removal and pruning will be completed according to the principles of BS3998:2010.
5. Plant and vehicles used for the tree works and storage of fuels and oils will not be permitted beneath the canopy of any retained tree or within its Root Protection Area (calculated as a circle with a radius 12 times the stem diameter - See Drawing D6006.001).
6. If works are completed within bird nesting season (March to August inclusive) checks of all trees, shrubs and any unprocessed piles of brash that have been left unattended will be undertaken within 24 hours prior to disturbance.
7. Where arisings are processed by chipping, the maximum depth of chip to be spread over the roots of any existing tree will be 200mm.

Fence Installation

8. The fence will be installed along the alignment indicated opposite (**thick black line**) within the following parameters:

   - Fence posts will be installed into hand-dug holes.

   - The precise location of individual holes will be subject to modification, such that major roots are avoided.

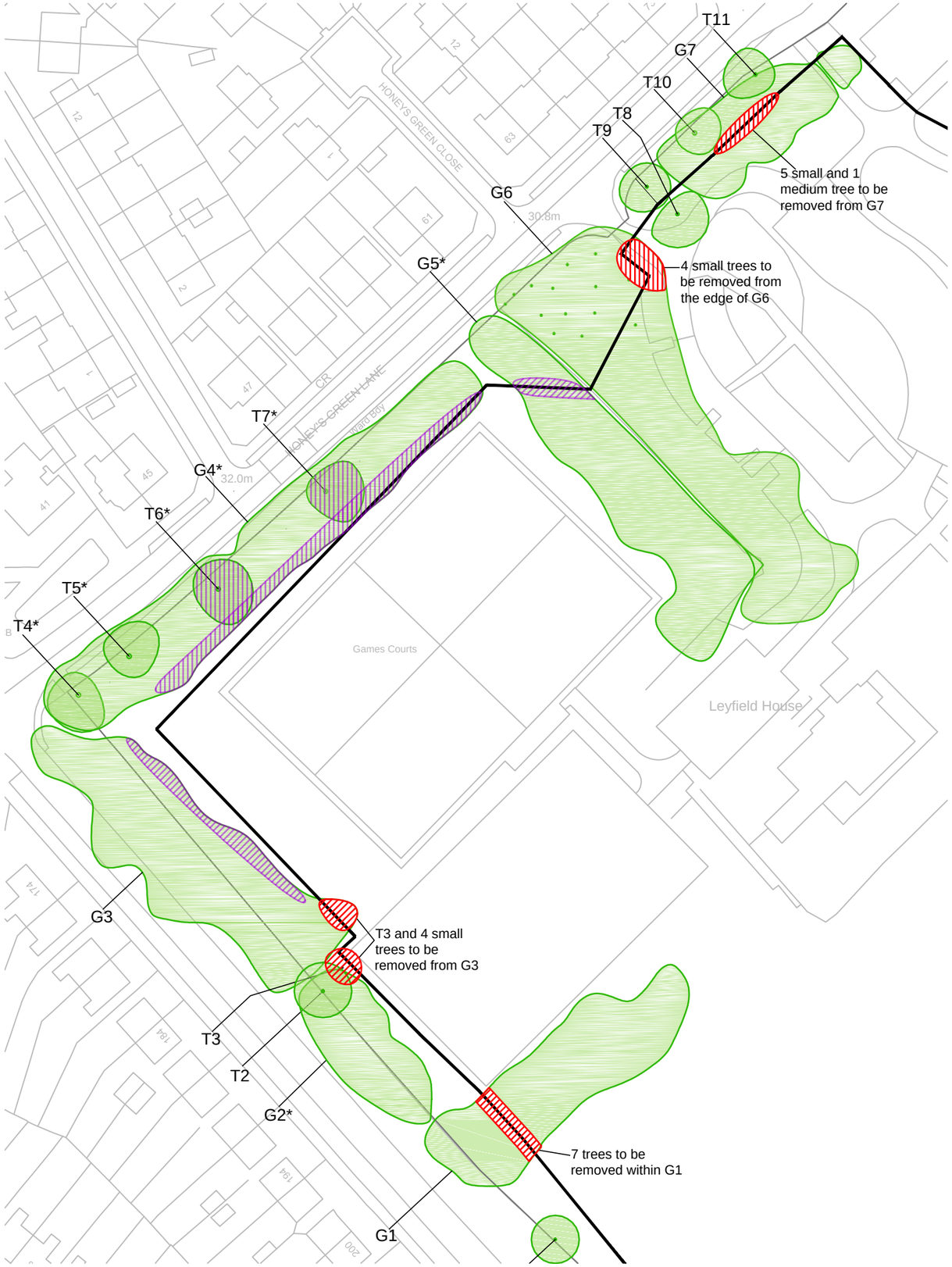
   - No fence post will be located within 2m of any retained tree.

   - The maximum diameter of holes will be 300mm.

   - Holes will be lined with a non-pervious membrane to prevent contact between concrete and the soil.
9. Completion of the works according to this Method Statement will be verified by the Arboricultural Consultant who will provide a recommendation to the Local Planning Authority to officially sign off the development works.

Table 1: Schedule of pruning works

Detail of pruning works	
G3	Crown raise to 4m where necessary
T6, T7	Crown raise to 4m where necessary
G4	Clear understorey and small trees away from existing fence and proposed fence location, crown raise to 4m where necessary
G5	Remove epicormic growth where necessary



KEY

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- Trees, groups and woodland to retain
- Trees, groups and woodland to remove
- Trees, groups and woodland to prune
- * Tree Preservation Order LCC TPO256

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Project

Cardinal Heenan Catholic High School - Fence Installation Arboricultural Method Statement

Title

Drawing 3: Arboricultural Method Statement

Drawing Number

D.6006.003

Drawn	Checked	Approved	Scale	Date
AAB	RMG	JGS	1:1,000 @ A3	04/10/2016