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NR GREEN DRAGON LANE

LINESIDE TREE SAFETY SURVEY, PALMERS GREEN TO WINCHMORE HILL



Prepared for: Network Rail Infrastructure Ltd

FLAC Instruction ref: CC33-1023

Issued: December 2014



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GREEN DRAGON LANE

TRACKSIDE TREE INSPECTIONS AND RECOMMENDATIONS FOR VEGETATION MANAGEMENT, DECEMBER 2014

Notes

1. *Inspections undertaken between Palmers Green Station at south and road bridge carrying Vicar's Moor Lane to North of Winchmore Hill Station at north*
2. *Linespeed 75 mph. All specimens within 800 metres of significant trackside structures. All specimens fall within the range of NR THREATS category 3 to 4 with the exception of tree 3036, which was scored as a category 5 tree, and is to be attended to within a time period of no longer than 4 weeks – this tree was called in at the time of inspection*
3. *Track mileage provided on site by NR escorts is to be considered approximate due to poor track marking on the section inspected*
4. *Majority of trees listed below have been sprayed with a white mark to assist locating them, some groups were not sprayed individually but it is considered that their location/ identification is straightforward with reference to the plan*
5. *Tree group specimen counts are estimated*
6. *It is assumed that all trees within 3.5 metres of the return conductor of the OLE will be felled*
7. *General clearance of understorey is assumed in combination with the tree felling works described below*
8. *Pruning is recommended only where trees are considered to be of greater landscape presence or have elevated habitat potential*
9. *Ivy control is advised where it will benefit both the prospects and inspection of trees that qualify for item 8 above*
10. *The default recommendation for all other faulted trees is fell*

FLAC Ref	Species	Mileage	Defect	Recommendations
3001	Sycamore	6m 64ch Up	Poor union between stems	Fell
3002	Sycamore	6m 64ch Up	Excessive ivy, management induced exposure	
3003	Ash	6m 64.5ch Up	Regrown stump with poor attachments	
3004	Sycamore	6m 65ch Up	Specimen of low merit with excessive ivy	
3005	Gean	6m 61ch Down	Heavily asymmetrical form to track with excessive ivy	
3006	Gean	6m 61ch Down	Heavily asymmetrical form to track with excessive ivy	
3007	Sycamore	6m 61ch Down	Heavily asymmetrical form to track with excessive ivy	
3008	Gean	6m 55ch Down	Close-set, asymmetrical form, excessive ivy	
3009	Gean	6m 55ch Down	Close-set, asymmetrical form, excessive ivy	
3010	Gean	6m 55ch Down	Close-set, asymmetrical form, excessive ivy	
3011	Gean	6m 55ch Down	Close-set, asymmetrical form, excessive ivy	
3012	Sycamore	6m 54ch Down	Very poor multi-stemmed unions	
3013	Sycamore	6m 65ch Up	Large tree with poor twin stem union, adjacent road bridge target also	
3014	Sycamore	6m 65ch Up	Asymmetrical form, management induced exposure	
3015	Sycamore	6m 67ch Up	Poor twin-stemmed basal union	
3016	Ash	6m 79.5ch Up	Slender stem with excessive ivy, exposure	
3017	Ash	6m 79.5ch Up	Slender stem with excessive ivy, exposure	
3018	Ash	6m 79.5ch Up	Slender stem with excessive ivy, exposure	
3019	Ash	7m 1ch Up	Poor included stem union at 4 metres	
3020	Sycamore	7m 1ch Up	Multi-stemmed with poor basal unions	
3021	Sycamore	7m 1ch Up	Multi-stemmed with poor basal unions	

FLAC Ref	Species	Mileage	Defect	Recommendations
3022	Sycamore	7m 1ch Up	Multi-stemmed with poor basal unions	
3023	Sycamore	7m 2ch Up	Excessive ivy (probably falls within 3.5m of OLE)	
3024	Ash	7m 5ch Up	Multi-stemmed with poor basal unions	
3025	Pedunculate oak	7m 6ch Up	Multi-stemmed with poor basal unions	
3026	Sycamore	7m 54ch Up	Poor twin stem union at 1.2 metres, exposed crown	
3027	Sycamore	7m 57ch Up	Large multi-stemmed tree, past failure of one stem at SE enables assessment of remaining poor unions, exposure follows loss of shelter	
3028	Pedunculate oak	7m 65ch Up	Previously crown reduced, repeat treatment advised	
3029	Pedunculate oak	7m 72ch Up	Excessive ivy on an otherwise satisfactory tree, ivy control advised to reduce sail area and weight plus improving condition for visual inspection	Girdle and remove ivy from ground level to 2 metres, cutting ivy stems as close to ground level as possible without blunting tools to enable a detailed future inspection of lower stem and root buttresses
3030	Sycamore	Winchmore Hill St., back of platform D	Mature specimen with very poor multi-stemmed unions	Fell
3031	Sycamore	Winchmore Hill St., back of platform D	Mature specimen with asymmetric form and works induced exposure	
3032	Sycamore	7m 58ch Down	Multi-stemmed specimen grown upon decayed stumps after past clearance	
3033	Gean	7m 44ch Down	Excessive ivy prevents inspection, previously topped	
3034	Pedunculate oak	7m 30ch Down	Three stems from ground level with advanced bark and cambial necrosis at lower stems. Collapse will affect third party land to west	

FLAC Ref	Species	Mileage	Defect	Recommendations
3035	Pedunculate oak	7m 26ch Down	Stout lower stem section has previously been topped and the subsequent regrowth is now well established but necessary pruning to maintain clearance from OLE and companion crown shelter is promoting sub optimal etiolated form – repeat pruning to previous topping points advised	
3036	Hornbeam	7m 21ch Down	Specimen is significantly decayed at the lower stem and root/stem interface, whilst being heavily swept to north-west over third party land. This property contains a shed of unknown usage but possibly a garden office beneath the stem section. Furthermore child access cannot be ruled out hence target occupancy elevated by one band. By THREATS assessment action is required in 4 weeks (FS8 x TS20 x IS10 = 1600 = Cat. 5). COSS called in this tree at the time of inspection.	
3037	Sycamore	7m 21ch Down	Multi-stemmed specimen, sub optimal unions and form, a forth stem previously removed, remaining stems inclined to track	
3038	Hornbeam	7m 20ch Down	Significant stem incline to north, excessive ivy and poor form, weighted to fall onto garden office	

FLAC Ref	Species	Mileage	Defect	Recommendations
3039	Pedunculate oak	7m 20ch Down	A stout stem with relatively small crown profile but heavily excessive ivy on stem and through crown structure, ivy control advised to reduce sail area and weight plus improving condition for visual inspection. NB specimen has 'X ivy' sprayed on stem in yellow paint	Girdle and remove ivy from ground level to 2 metres, cutting ivy stems as close to ground level as possible without blunting tools to enable a detailed future inspection of lower stem and root buttresses
3040	Hornbeam	7m 19ch Down	Multi-stemmed tree adjacent third party boundary, old stem wounds caused by fire scorched bark with resulting stem decay and poor form with a heavily asymmetrical crown	Fell
3041	Pedunculate oak	7m 18ch Down	One of the dominant oaks in this area, some relatively minor lower stem damage evident, many habitat holes throughout structure, some defects present after past storm damage, crown management advised to reduce sail area and lever arm forces whilst maintain features of habitat potential	Reduce whole crown by up to 3 metres radially, final pruning positions determined by availability of satisfactory growth points, pruning of branches forming outer crown only, all scaffolds and any features of habitat potential to be retained
3042	Pedunculate oak	7m 17ch Down	Multi-stemmed specimen, sub optimal form, stem lean and crown bias towards track	Fell
3043	Pedunculate oak	7m 14.5ch Down	Standing dead, collapse may affect third party land	
3044	Sycamore	6m 74ch Down	Poor, included, compressed twin stem union	
3045	Gean	6m 74ch Down	Management induced exposure, stem inclined towards to track	
3046	Gean	6m 72ch Down	Poor, included, compressed twin stem union, ivy present through structure	

FLAC Ref	Species	Mileage	Defect	Recommendations
3047	Pedunculate oak	6m 72ch Down	Significant stem incline towards track, heavy crown bias towards track, questionable stability, poor overall form	
3048	Pedunculate oak	6m 70ch Down	Very large scaffold limb failure at south-east within last 12 months, face of fracture reveals some discolouration of wood fibres, possibly early stage brown-rot decay pattern, some mycelium present. Broad crown, east extents in close proximity to OLE. Past crown management at east. Advise management to consolidate crown profile	Reduce track side of crown extents by up to 4 metres radially but not harder than past limb pruning, reduce remainder of crown by 2.5 metres and remove dead wood that may affect third party land at west
TG3001	Sycamore x11, ash x1	6m 64ch Down	Group features poor included, compressed stem unions, upon regrown stumps, with excessive ivy, poor form and reliance upon companion shelter	Fell
TG3002	Sycamore x14	6m 62ch Down	Several specimens display stem wounds and decay after fire damage affecting lower stem section, further group features of compressed stem unions, upon regrown stumps, with excessive ivy, poor form and reliance upon companion shelter	
TG3003	Pedunculate oak x2, gean x4	7m 11ch Up	Oak: poor form, poor basal union. Gean: poor form, slender. Excessive ivy.	
TG3004	Pedunculate oak x3	7m 20ch Up	Three mature specimens, all previously heavily reduced, repeat treatment advised to manage regrowth	Reduce to previous pruning points
TG3005	Sycamore x2 + saplings	7m 41ch Up	Heavily asymmetrical root distribution at top of wall with highway to east.	Fell

FLAC Ref	Species	Mileage	Defect	Recommendations
TG3006	Sycamore x7	7m 58ch Up	Multi-stemmed specimens with poor basal unions and lesser specimens exposed by management	
TG3007	Sycamore, holly, oak	7m 63ch Up	Multi-stemmed sycamores have poor basal unions, oaks previously reduced and repeat treatment advised to manage regrowth, retain holly as low screen	Fell sycamores, reduce oaks to previous pruning points and retain holly
TG3008	Sycamores x3, pedunculate oaks x3	7m 64ch Up	Multi-stemmed sycamores have poor basal unions, oaks previously reduced and repeat treatment advised to manage regrowth	Fell sycamores, reduce oaks to previous pruning points but where oak limbs left un-pruned previously prune to match mean crown profile
TG3009	Sycamores x3	7m 65ch Up	Back of platform. Three mature specimens, previously topped, north with very poor included and compressed twin stem union, south tree with Kretzschmaria deusta at stem base, central tree works induced exposure. School immediately adjacent.	Fell
TG3010	Sycamore x1, horse chestnut x2, pedunculate oak x2	7m 69ch Up	First row of smaller trees from track, poor, slender, reliant upon companion shelter, works induced exposure	
TG3011	Sycamore x3	7m 72ch Up	Very poor included and compressed unions through group	
TG3012	Goat willow x3	7m 72ch Down	Past stem collapse, weighted to track	
TG3013	Sycamore x11	7m 69ch Down	Mature sycamores, larger trees previously topped, poor included and compressed unions, excessive ivy, exposure of lesser trees by felling	

FLAC Ref	Species	Mileage	Defect	Recommendations
TG3014	Sycamore x6	Winchmore Hill St., back of platform U	Multi-stemmed specimens with poor basal unions and lesser specimens exposed by management	
TG3015	Sycamore x4	7m 57ch Down	Large specimens with poor, included and compressed stem unions, excessive ivy, weighted towards track	
TG3016	Ash x2	7m 54ch Down	Pair have developed with common crown profile but east tree has significant crown and weight bias towards track, both have excessive ivy, west tree not retainable in isolation due to exposure	
TG3017	Sycamore, ash >25	7m 52ch Down	Group features poor included, compressed stem unions, upon regrown stumps, with excessive ivy, poor form and reliance upon companion shelter	
TG3018	Pedunculate oak x2	7m 24ch Down	Single stem at east with basal decay and crown bias to track, twin-stemmed tree at west with sub optimal union	
TG3019	Gean x3, Norway maple x1	7m 24ch Down	Geans both dead and declining and weighted to track, maple leans to track in such a way that most of crown would be removed by standard clearance from OLE	
TG3020	Pedunculate oak x6	7m 21ch Down	Large specimens, notable as having greater landscape presence and habitat potential than the majority of trackside trees, occupying area set back from track but by virtue of size some may affect both OLE and track and third party land. Excessive ivy impedes inspection of stems and crowns	

FLAC Ref	Species	Mileage	Defect	Recommendations
TG3021	Hornbeam x2	7m 20ch Down	Specimens located at west of shed. Both display old stem wounds caused by fire scorched bark with resulting stem dysfunction on tension sides, poor form with a heavily asymmetrical crown bias to track	Fell
TG3022	Hornbeam x2	7m 18ch Down	Heavily biased crowns towards track, poor overall form	
TG3023	Pedunculate oak x1, gean x1	7m 17ch Down	Multi-stemmed specimens, sub optimal form, stem incline and crown bias towards track, poor overall form	
TG3024	Gean x10	7m 17ch Down	Close-set, slender stems with heavily excessive ivy, crown bias to track, poor overall form	
TG3025	Poplar 80%, sycamore, goat willow, pedunculate oak 20% (>80 trees)	7m 72ch Down	Homogenous group of drawn-up and slender specimens, poor form, individual asymmetry and poor structural unions, heavy reliance upon companion shelter. Density of composition increases risk because one single failure amongst the many trees could result in track obstruction	Fell all with potential to strike either OLE or track
TG3026	Horse chestnut x2	6m 69ch Down	Displaying typical symptoms of horse chestnut bleeding canker infection, damage to lower stems becoming critical to continuation of life processes, embrittlement of scaffold limbs likely and failures certain to affect third party development at west	Fell
TG3027	Sycamore, ash >35	6m 62ch Down	Group features poor included, compressed stem unions, upon regrown stumps, with excessive ivy, poor form and reliance upon companion shelter	



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Network Rail Infrastructure Ltd

Instruction
Green Dragon Lane

Instruction ref.
CC33-1023

Dwg title
Indicative Tree Location Plan

Dwg no.
33-1023.01

Date
19.12.15

Scale
Plot sheets 1:1000 @ A0

Notes
Do not scale off dwg
Aerial imagery base georectified but tree locations indicative only
Base image orientated to N

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Arrangement of plot sheets

1

2

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