

ARBORICULTURAL TECHNICAL NOTE (Updated 22.10.24)

Date: 24th March 2022
To: Tilly Whinshaw – Redrow – Head of Planning
From: Stefan Kowalczyk – RPS – Senior Arb Consultant
Pages: 8 inc. this page
Regarding: Tree Protection Fencing at Camp Field, Havant
Updated: 22 October 2024 – Ross Carthew - RPS Senior Arb Consultant

Lakesbury House, Hiltingbury Road
Hampshire SO53 5SS
T +44 2380 810 440

Inspection of Tree Protection Fencing at Camp Field, Havant

Further to our visit on 17th October we are pleased to be able to present our findings within this Technical Note. Plans referenced throughout this note are as follows:

1. JSL3850_710D & 711C Tree Protection & Removal Plans
2. JSL3850_715A Cycleway Tree Protection & Removal Plans

1.1 Southern Boundary – T19 going westward to G4#

Trees in this section are relatively low quality and located on the southside of a pre-existing bund. Therefore, rooting activity to the north is likely to be restricted.

The Tree Protection Fencing (TPF) looks to be slightly closer to the tree stems than specified on the Tree Protection and Removal Plan.

However, given the quality of trees (Category C) and their situation – on the southside of an existing bund, retaining the TPF in its current location is low risk and similarly, adequate to protect the likely rooting area of the relevant trees.



Figure 1. View looking westwards. Bartons Rd to the left.

Technical Note

Date: 22 October 2024
Regarding: Tree Protection Fencing at Camp Field, Havant



Figure 2. View looking eastwards. Bartons Rd to the right.

1.2 South-western boundary corner – G4# westwards/northwards to T22

G4# and H1# is a continuation of the southern boundary tree line and is of no particular merit. T22, Oak, on the other hand is a high-quality tree with a large RPA located on the western boundary. TPF is currently positioned incorrectly and a materials storage compound has been erected in this area with “pilling mat” surfacing, a concrete slab supporting 3 mortar silos and an external wooden fence.

In the figure below,

- 1) Yellow line represents the current location of TPF.
- 2) Pink/Magenta (dash dot) line represents the approved location of TPF.
- 3) Purple line represents the approximate extent of the existing compound.

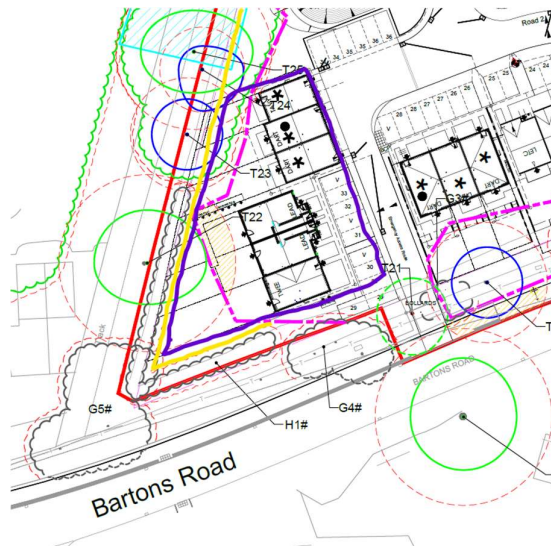


Figure 3. Snapshot of approved Tree Protection Plan with approximate current compound location added.

Technical Note

Date: 22 October 2024
Regarding: Tree Protection Fencing at Camp Field, Havant

The construction of the compound does not align with the approved TPP and any damage resulting from its development has already occurred. Fortunately, the impacted trees are situated behind an established drainage ditch, constraining potential root interference to the East and, consequently, mitigating the extent of potential damage.

Additionally, the Tree Protection Fencing running adjacent to H1# looks to be in poor condition and possibly a little closer to the trees than it should be. There is however a close board fence erected behind this which currently forms part of the compound which may be used as Tree Protective Fencing.



Figure 4. View looking westwards. G4 on the left side of the picture.

Recommendation

- 1) Notices should be placed at regular intervals, along the compounds south and west close board fencing, to denote that this fencing is to be considered Tree Protection Fencing (See examples in Appendix 1). This fencing should then remain in place until all other work are completed. The Heras fencing should also remain in situ until build is complete.
- 2) Area should be returned to soft landscaping immediately after the construction yard is removed.
- 3) Monitor the ongoing health of T22. June 2024 photograph shown below.



Figure 5. View looking westwards. T22 on the right side of the picture.

Technical Note

Date: 22 October 2024
Regarding: Tree Protection Fencing at Camp Field, Havant

1.3 Western boundary

The western boundary is populated by large, mature Oak trees that are protect by a Tree Preservation Order (TPO) administered by Havant Borough Council.

TPF is currently located in an adjusted location to that found on site previously and is now nearer to the approved location as detailed on the Tree Protection Plan. The TPF broadly follows the canopy extent or 'drip line' of the mature Oak trees.

There is an existing ditch within the RPA on the eastern side of the stem which may limit shallow rooting to the east somewhat. However, given the age and stature of these trees it is highly likely that roots have occupied the land east of the existing ditch.

Stored topsoil within the RPA has been removed back to the existing fencing line. Some minor levels of spoil / sub-soil still lie inside of the newly established CEZ, however the depth and extent of these materials would not appear to be significant.

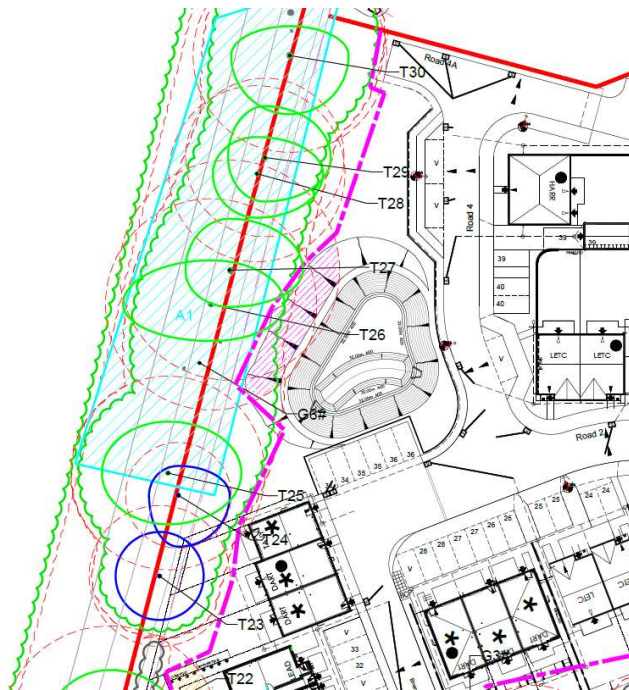


Figure 6. Tree Protection Plan showing trees along western boundary

Technical Note

Date: 22 October 2024
Regarding: Tree Protection Fencing at Camp Field, Havant



Figure 7. View looking south and north. Western site boundary of the development.

Recommendations

- 1) Remove remaining spoil from construction exclusion zone back to existing levels. This should be done using appropriate hand tools. Where possible, the use of machines with a long reach should be favoured, if they can work from outside of the RPA. Removal of the spoil shall occur in strips working from the undisturbed surface, working in a retreating manner away from the retained tree. No reduction in levels of the underlying soil surface shall occur with RPA's.
- 2) Once the spoil has been removed sub-soil aeration will be carried out by an approved contractor using compressed air to decompress soil. This will be done at 1 meter centres along the area previously covered with spoil.
- 3) During the decompaction process, soil amelioration will be undertaken by injecting bio char, mycorrhizal fungi and/or tree fertiliser and bacteria into the soil, along with the air.

1.4 Central Part of Site – T1 Oak

A large mature (TPO'd) Oak located within the central part of the site. TPF looks to be inadequate to protect the RPA and the outer edges of the RPA have been built up to form temporary construction access. This has then been compacted by site traffic. The newly constructed cycle path to the east of the tree was also supposed to be "No-Dig" construction and does not appear to be.



Figure 8. T22 - view looking north

Technical Note

Date: 22 October 2024
Regarding: Tree Protection Fencing at Camp Field, Havant

Recommendation

- 1) Tree Protective Fencing position to be checked and realigned in line with the approved Tree Protection Plan.
- 2) The built-up temporary access track within the RPA shall be manually broken up and removed from the RPA using appropriate hand tools. Where possible, the use of machines with a long reach should be favoured, if they can work from outside of the RPA. Removal of the spoil shall occur in strips working from the undisturbed surface, working in a retreating manner away from the retained tree. No reduction in levels of the underlying soil surface shall occur with RPA's.
- 4) Once the spoil has been removed sub-soil aeration will be carried out by an approved contractor using compressed air to decompress soil. This will be done at 1 meter centres within the RPA.
- 5) During the decompaction process, soil amelioration will be undertaken by injecting bio char, mycorrhizal fungi and/or tree fertiliser and bacteria into the soil, along with the air.

1.5 Southern Boundary – T14 – H1#

A section of H1# has been removed and an access road has been installed in its place. This detail was not included within the Tree Protection Plan however, the impact to existing trees is likely negligible. Exact impact to the east end of G1# is however unknown – tree roots could have been severed and/or negatively impacted without prior consideration due to the excavation and installation of a subbase.

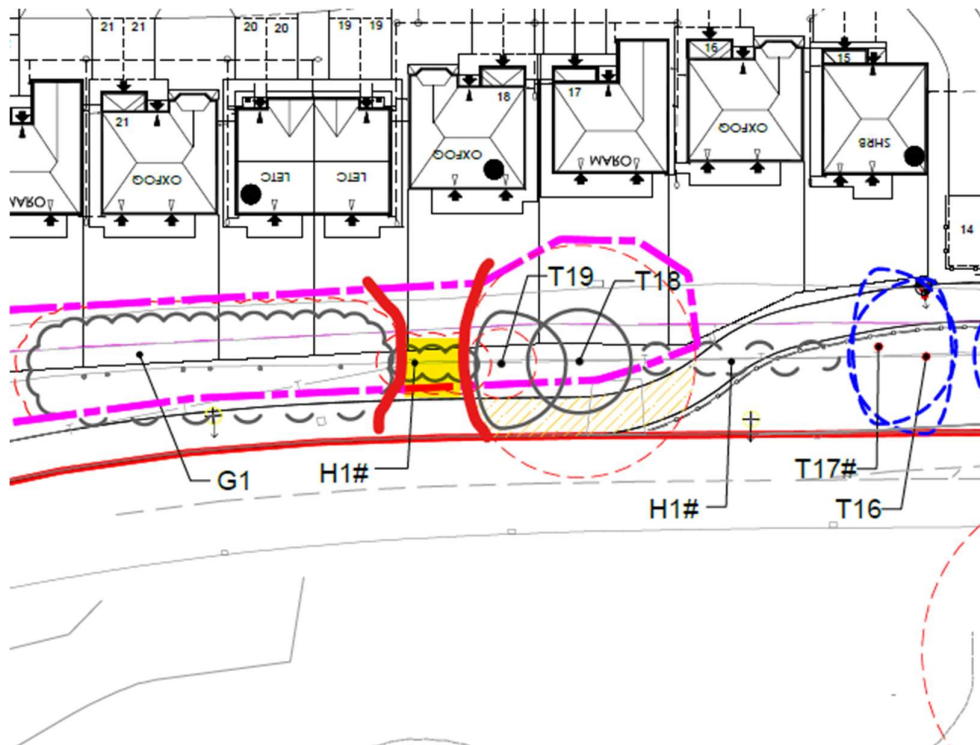


Figure 9. Section of H1 removed highlighted in Yellow and approximate location of installed access road shown with red lines.

TPF has not been installed in accordance with the Tree Protection Plan however, it is generally adequate for the same reason expressed within section 1.1 of this note.

Technical Note

Date: 22 October 2024
Regarding: Tree Protection Fencing at Camp Field, Havant

1.6 Southern Boundary – Cycle Path

As shown in figure 9 above, Drawing JSL3850_710D & 711C shows a section of proposed “No-Dig” cycle path adjacent to T18 & T19, however, the need for this “No-Dig” has been reassessed following Utilities work carried out along Barton’s Road verge, shown below:



Figure 10. Image taken from Google Streetview showing previous utility works.

This work will have severed the roots of T18 & T19 back from the proposed cycle path negating the need for “No-Dig” construction, additionally T18 was highlighted for removal following the works, due to concerns over its future stability with the utility works having affected a large amount of its southern RPA, and has now been felled. These changes to the design and construction of the cycle path were picked up in a separate, cycleway specific, AIA (JSL3850_781A) and shown on its accompanying Tree Protection Plan (JSL3850_715A), as shown below:

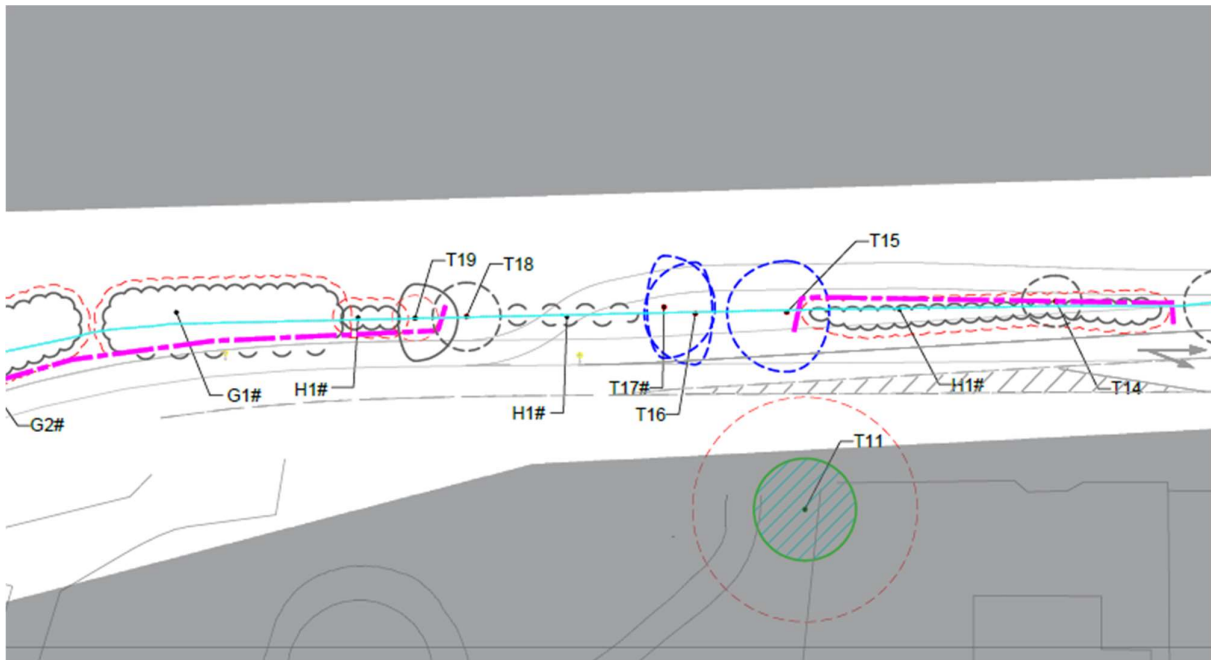


Figure 11. Extract of JSL3850_715A showing revised tree protection/ removals proposed for cycle path construction.

Technical Note

Date: 22 October 2024
Regarding: Tree Protection Fencing at Camp Field, Havant

1.7 Southern Boundary – H1#

Hedgerow H1# shown in Figure 11 above has been removed. Redrow have proposed the replanting of this hedgerow to the council and are in discussions with Highways.

1.8 Southern Boundary – T13

T13 has been removed. There is no remaining evidence of the tree other than its roots. The stump has been removed. Ownership of this tree was initially unclear; the tree has since been confirmed as within Highways Authority land. It was initially discussed that the tree may have been felled without consent and that it may have required a retrospective CAVAT assessment. On further investigation, this tree was shown to be removed in the planning-approved documents as well as the agreed S278 designs. It was removed in line with the planning approval and s278 agreement, therefore, no commuted sums should be payable.



Figure 12. Google St view, Mar 2021, showing T13



Figure 13. Current image taken 14th Mar 2022. T13 missing

Technical Note

Date: 22 October 2024
Regarding: Tree Protection Fencing at Camp Field, Havant

A.1 Appendix 1: Construction Exclusion Zone (CEZ) Sign

