



**TREE WORK APPLICATION TO REMOVE GROUP G1
FOR REASONS OF SAFETY AND GOOD MANAGEMENT.**

The TPO: Reference number : C1/CK334
 Tree reference : G1
 Tree Preservation Order name : Penryn Rugby Club Tree Preservation Order 2004
 Status : CONF
 Date order made : 22/01/2004
 Date of confirmation : 15/07/2004
 Species/situation description : G1 7 Monterey Pines (*Pinus radiata*)

The TPO states that there are seven trees in this group but one was removed under the emergency 5-day notice following a storm event in winter 2022. This resulted in the loss of the mature tree at the western end of the group due to partial root failure and excessive movement. The TPO has yet to be amended to reflect this loss. A further tree to the west had been removed prior to this for reasons of safety, though it was not included in the TPO.

The soil around the trees is most likely made ground and the rooting environment less than ideal. The presence of surface rooting over the limited areas of exposed ground indicate that soils are not deep and conditions are not optimal. The presence of the car parking on one side and the retaining wall to the south, above the pavement and road, present a reduced area available for the roots.

The concern is that the remainder of the group have a limited useful life remaining and the risk they present is too great a burden for a sports club to reasonably manage.

The trees are a mix of early-mature and mature trees growing on the bank between Kernick Road and the car park. Under the crown of the trees are the Cornish Paws Veterinary Practice and the Rugby Club buildings. These are not constructed to withstand even branch failure, whole tree failure would be catastrophic.

The history of tree failure indicates that management, i.e. the removal of the group at a selected time rather than crisis management during storm events, would be reasonable arboricultural practice.

QTRA Risk Assessment.

I have assessed the Property Value to be between £20,000 and £200,000, Target Range 2. This range is given as a result of the damage total tree failure would have on the temporary buildings and the likely value of the veterinary equipment within. When this is considered with the total tree failure and the associated weight landing on temporary structures the costs will be significant.

The Probability of Failure (PoF) of these trees has increased following the loss of companion shelter from the trees removed. I have assessed the probability to be between 1/1k and 1/10K. This equates to PoF Range 4.

The Risk of Harm is given as 1/30k and places the trees within the Tolerable region (where imposed on others) if kept 'as low as reasonably possible' (ALARP).

In order to keep this risk ALARP I believe it to be reasonable for the Rugby Club to propose the removal of these trees and their replacement with a native species row of oak, hawthorn hazel and holly trees. This would allow for the proper management of the limited resources available to the club and their significant reduction in the management of the concerns of the users of the site and an improvement in biodiversity value over time.

	8 Duke Street Truro TR1 2QE
	T 01872 276099
E office@evolvetreec.co.uk	
W www.evolvetreec.co.uk	

Revision	Description	Date
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Client: Penryn Rugby Club

Project: Penryn Rugby Club TWAppn

Date: Mar2024 Job Ref: 3330-1

Drawn by: TSE Scale 1:200 at A3

Drawing number

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