

This tree assessment provides information relating to the proposed removal of one (1) street tree and replacement planting to enable the construction the Linwood Avenue School slip lane upgrade.

Location:

The tree to be removed is located outside Linwood Avenue School at 260 Linwood Avenue, within the landscape strip between the road and the slip lane.



Figure 1: Site Map.

Tree Assessment:

Tree Asset ID: 82761

Species: English Elm (*Ulmus procera*)

Height; 4.5m – Canopy; 5.0m – DBH; 0.15m

Overall Condition: Good (healthy/structurally sound)

The tree has been assessed as having good health and structure, with minor canopy shape modifications due to clearance pruning requirements.

As the tree is healthy and structurally sound, delegated authority to approve the tree removal is to be sought from the Community Board.



Figure 2: Tree to be removed.

Tree Removal:

The tree requires removal for the realignment of the slip lane to improve vehicle access, capacity and safety outside the school. The project design includes widening of the slip lane where the tree is located, and removal of the tree will be unavoidable.

The potential effects of the proposed tree removal are minor due to the small size of the tree and the quantity of other trees within the vicinity, including remaining trees within the landscape strip, Linwood Avenue central median and on the school grounds.

A resource consent will not be required for the tree removal in this case, as the tree is less than 6.0 metres in height.

Retained Trees:

The subject tree is one (1) of 10 street trees located outside the school, within the landscape strip and near the school entrance at the western end of the site. The tree asset information indicates that the trees were planted in 1995. The project design includes the widening of the landscape strip within the vicinity of seven (7) of those trees which is expected to improve their health and longevity.

The District Plan tree protection rules (9.4.4.1.1 P12), Tree Policy (3.0 working around trees) and the Construction Standard Specifications (CSS Part 1, 22.0 protection of natural assets and habitats) apply, and it is a requirement that the retained trees are protected from potential damage during the works.

Replacement Trees:

The proposed replacement tree planting will comply with the relevant parts of the Tree Policy, as listed below:

- 1.7 - All trees will have a minimum establishment maintenance period of 24 months.
- 1.9 – For every tree removed a minimum of two new trees will be planted with the projected canopy cover replacing that which is lost within 20 years.
- 1.10 – For removals within the road corridor, the location of any replacement trees will be based on the following:
 - (1) in the same road corridor in as close proximity to the tree removed.

Two (2) Upright Hornbeam (*Carpinus betulus* Fastigiata) replacement trees will be planted within the near vicinity of the tree to be removed as shown in Figure 1. The replacement species was chosen due to compatibility with the site conditions and existing trees within the vicinity, and the upright canopy shape will minimise future maintenance requirements such as power line and road clearance.

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