

refer also to formal Arboricultural Impact Assessment Report (AIA-01) that will be submitted with SSDA.

T98 *Quercus palustris* (Pin Oak)

This tree is located at 14-18 Cooranbarra Road, Wahroonga, adjoining the Archdale Walk, opposite the Wahroonga Post Office Shop. This a large and prominent tree situated at least 6.5m from the proposed works nearest point of the proposed works. It is located where the existing ground level that at its base is approximately at least 300-500mm above the existing levels of the Archdale Walk pedestrian path. There is an existing timber sleeper retaining wall that runs along the boundary, beneath the adjoining residential fence. This is expected to have potentially directed roots to run preferentially along the sleeper rather than under the existing path. The tree's nominal TP2 does extend into the area of proposed regrading of the path, however it is considered less likely for any significant roots to be located in this area.

Only minor excavation are required, and most of the new concrete path will be laid on or near to existing grades. In a worst case scenario, there is only an 8% incursion into the nominal TPZ and therefore this work is considered to be even if roots are discovered from this tree. The potential grading and impacts are close to the existing ground surface. Any roots that are deeper in the profile will remain unaffected. As the re-grading feathers out to meet the existing path gradient the impacts are likely to be extremely unlikely. It is considered unlikely that there will be any significant root loss for this tree.

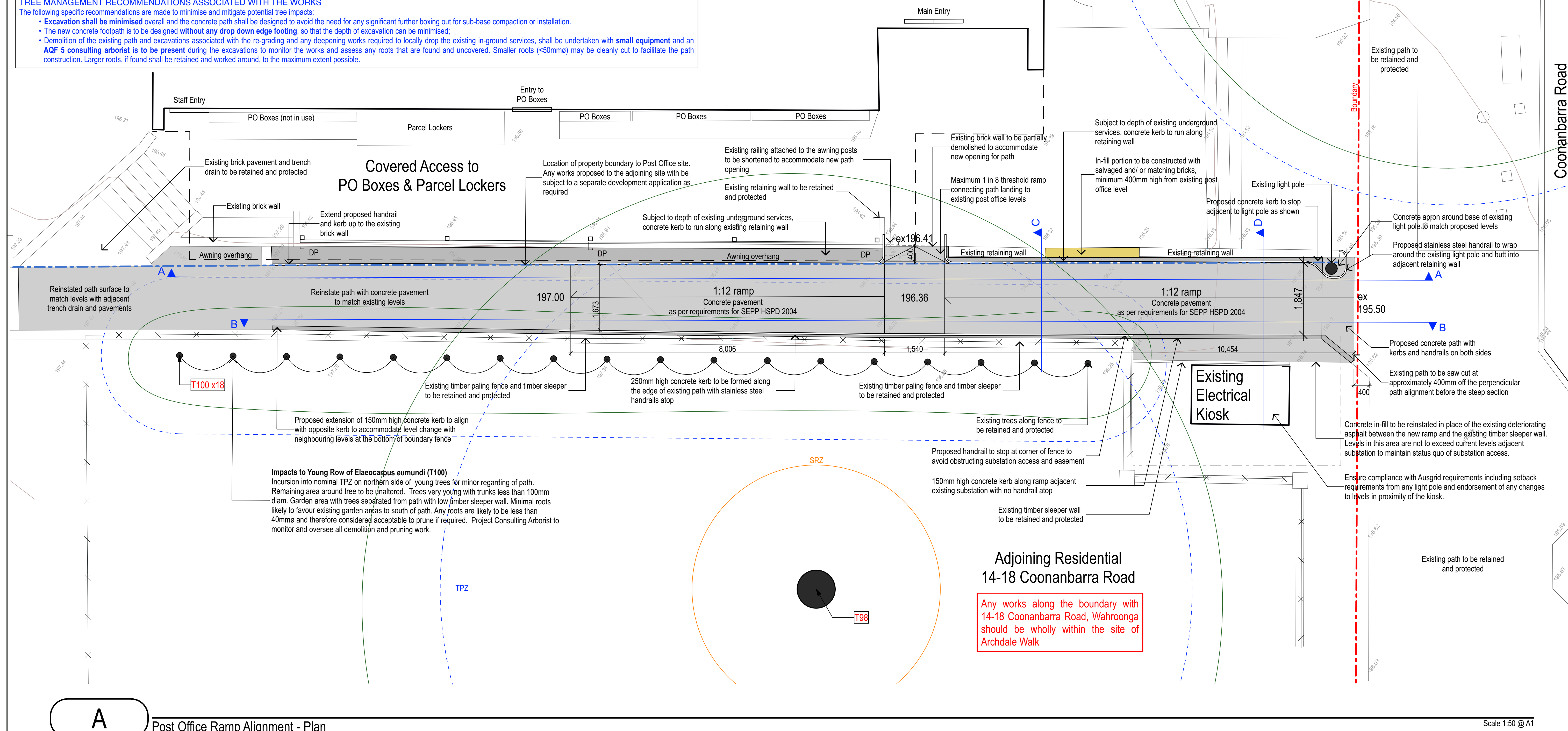
T100 is a row of 18 x semi-mature *Eleocarpus eumundi* (Eumundi Quandong)

This is a row planting of 18 young trees forming a screening hedge along the southern side of Archdale walkway. They are located within 14-18 Coonanbarra Road, Wahroonga approximately 400-500mm from the boundary. Approximately 12 of these 18 trees are located adjacent to the area that is proposed for any re-grading. As with T98 on the same property, the surrounding ground level at the base of these trees is situated above the existing levels of the footpath and there is an existing timber sleeper retaining wall on the boundary line, beneath the adjacent fence. Given the position of these tree, their age and size, the sleeper edging is likely to have directed many roots from growing under the existing path. It is acknowledged that roots beneath this and under the path are possible. However, the *Elaeocarpus eumundi* are relatively young, and have very small trunk diameters and therefore correspondingly small TPZ. Given the size of the trunks are typically only 100mm diameter, it is therefore most likely that any roots encountered will be less than 30-40mm in diam. The pruning of root of this size is usually considered acceptable, particularly when trees are young and otherwise healthy. It is not anticipated that any significant roots from the row planting will be found beneath the existing asphalt of Archdale Walk.

TREE MANAGEMENT RECOMMENDATIONS ASSOCIATED WITH THE WORKS

The following specific recommendations are made to minimise and mitigate potential tree impacts:

- **Excavation shall be minimised** overall and the concrete path shall be designed to avoid the need for any significant further boxing out for sub-base compaction or installation.
- The new concrete footpath is to be designed **without any drop down edge footing**, so that the depth of excavation can be minimised;
- Demolition of the existing path and excavations associated with the re-grading and any deepening works required to locally drop the existing in-ground services, shall be undertaken with **small equipment** and an **AQF 5 consulting arborist is to be present** during the excavations to monitor the works and assess any roots that are found and uncovered. Smaller roots (<50mmØ) may be cleanly cut to facilitate the path construction. Larger roots, if found shall be retained and worked around, to the maximum extent possible.



A

Post Office Ramp Alignment - Plan

Scale 1:50 @ A1



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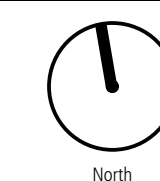


B	For Council Endorsement	RWS	17/10/21
A	For Pre-DA Council Comment	RWS	26/08/21
REVISION	DESCRIPTION	CHKD	DATE

PROJECT & CLIENT

HammondCare Wahroonga Stage 2
Archdale Walkway

HammondCare



Project No : 22.12

Designed : RWS

Design: BT / C

Scale : AS SL

DRAWING NUMBER

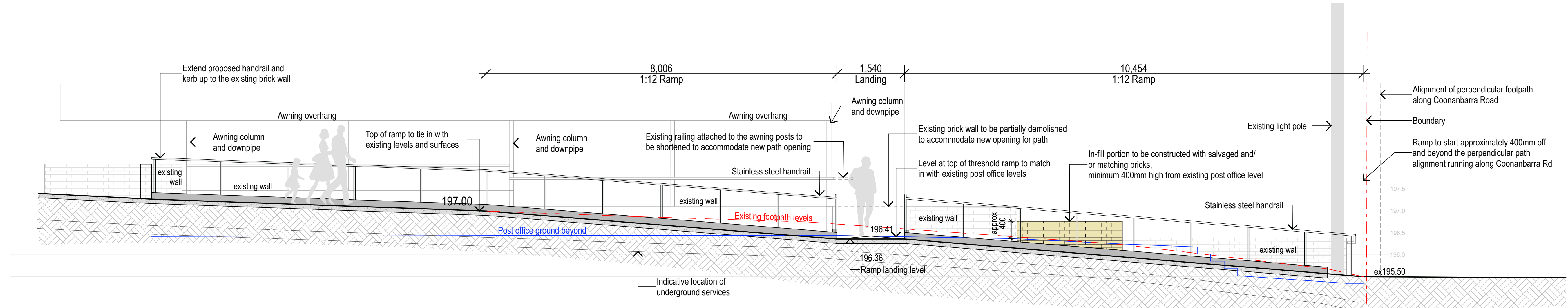
REVISIO

Post Office Ramp Alignment - Plan

LA-DG-80-AC

E

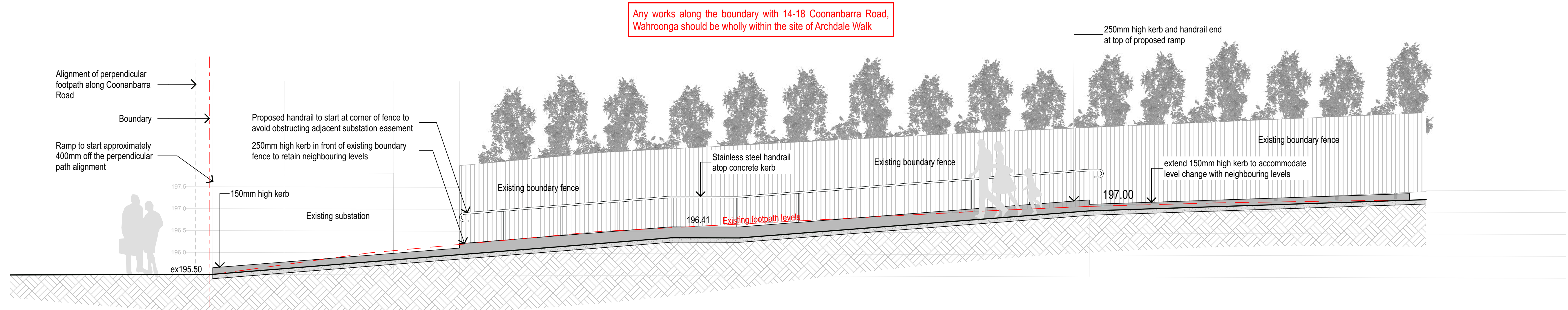
Plotted at : 5:27 pm 17/10/2021



A

Sectional Elevation Through Ramp - Facing North

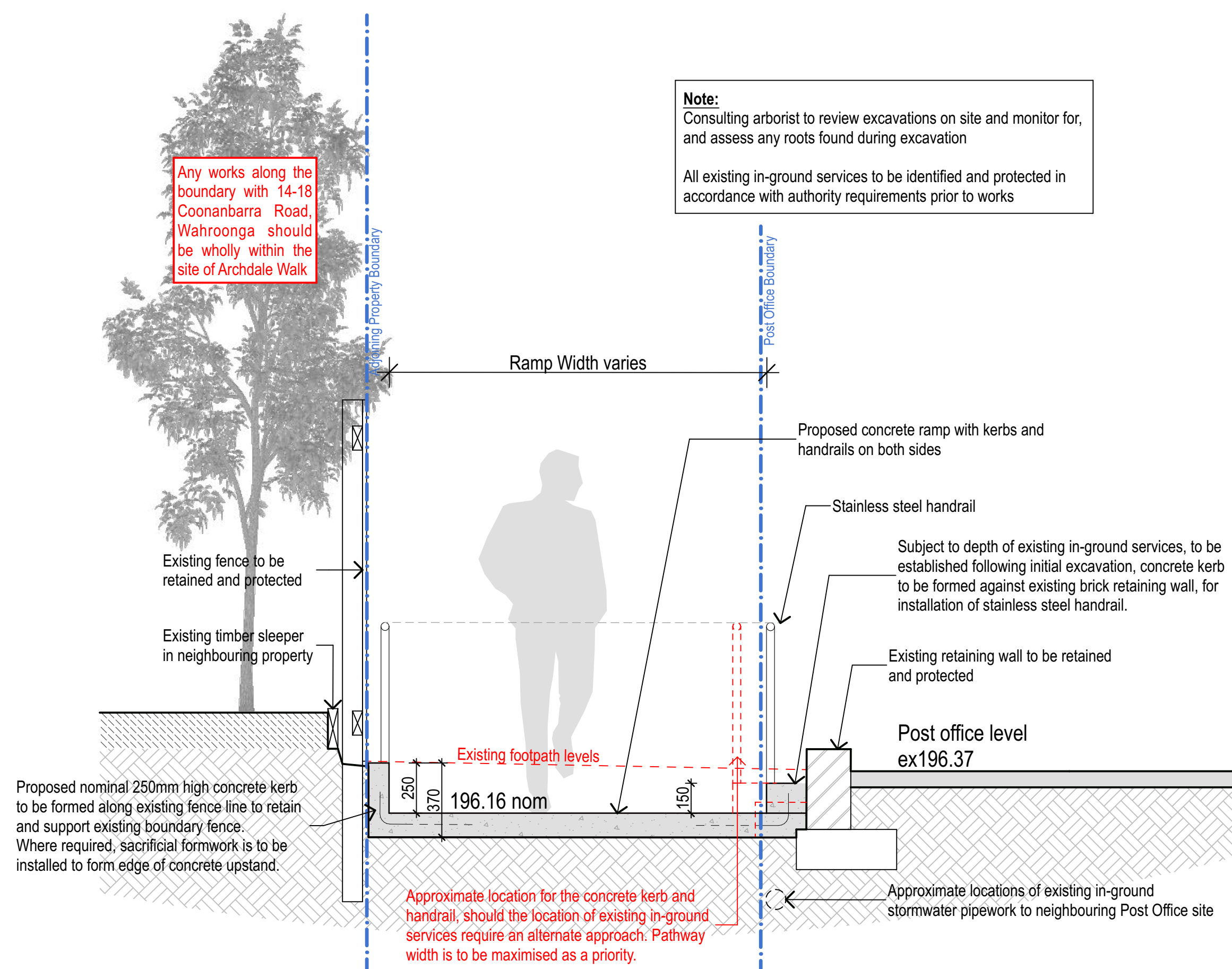
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B

Sectional Elevation Through Ramp - Facing South

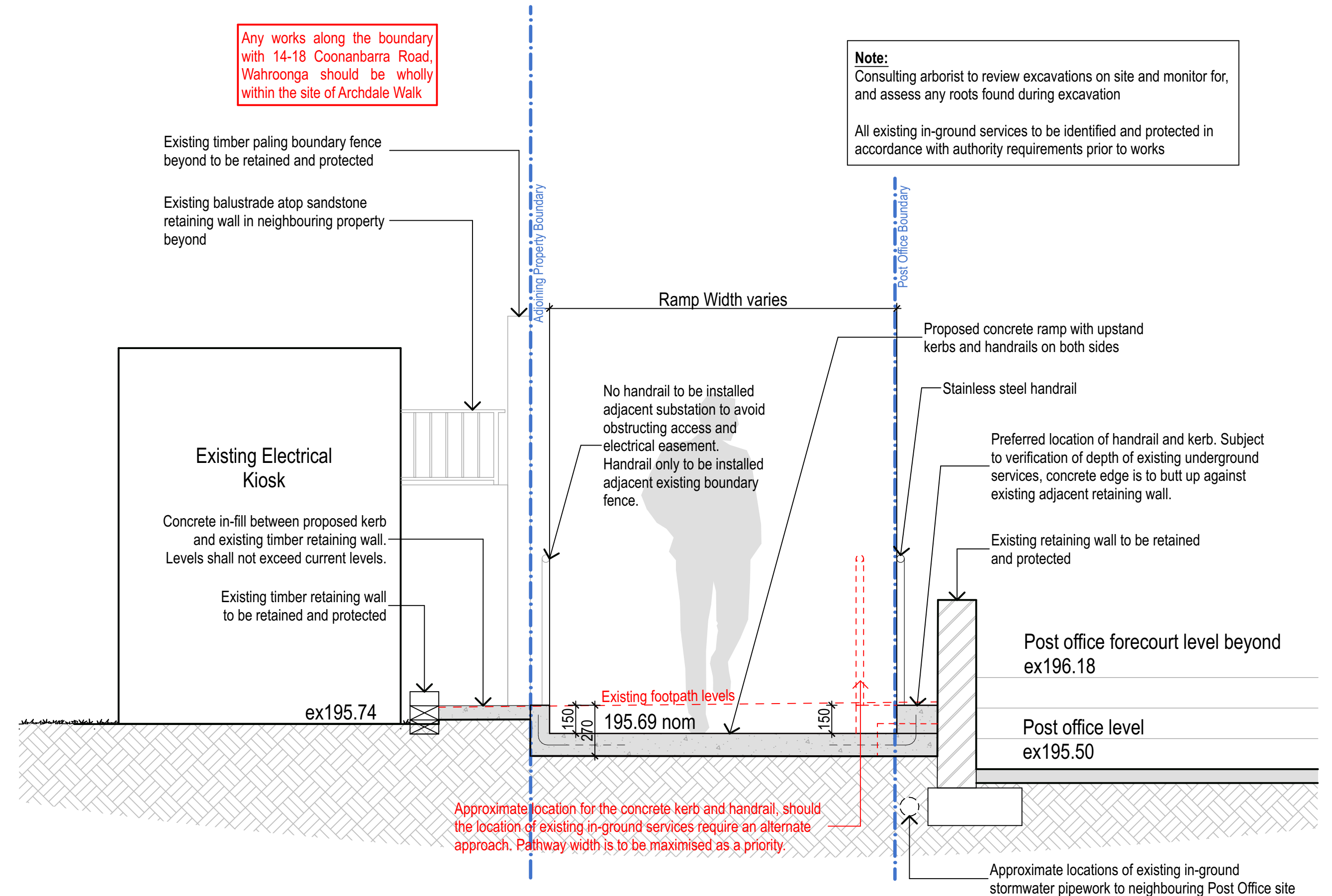
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C

Typical Cross Section Through Ramp

Scale 1:20 @ A1



D

Cross Section Through Existing Electrical Kiosk & Ramp

Scale 1:20 @ A1



Image 1 - Existing steep path section adjacent the post office (facing west) and adjoining electrical kiosk



Image 2 - Existing path adjacent the post office (facing east) noting roof overhang and existing trench grate, level difference to underside of paling fence



Image 3 - Existing downpipes running into the asphalt footpath and existing wall structures at the west end of awning