

Tree 50 & 51 removed prior to works commencing

Tree 50

Tree 51

Step 1 - remove surcharge load on wall by excavating down the face of wall on Gloucester Walk. In accordance with the Workplace Health & Safety Regulations 2017, the existing topsoil/fill material on the outside of the wall shall be battered back to an angle that is less than the natural angle of repose to prevent earth slippage. A batter of [1.5:1] is deemed reasonable for soft soils.

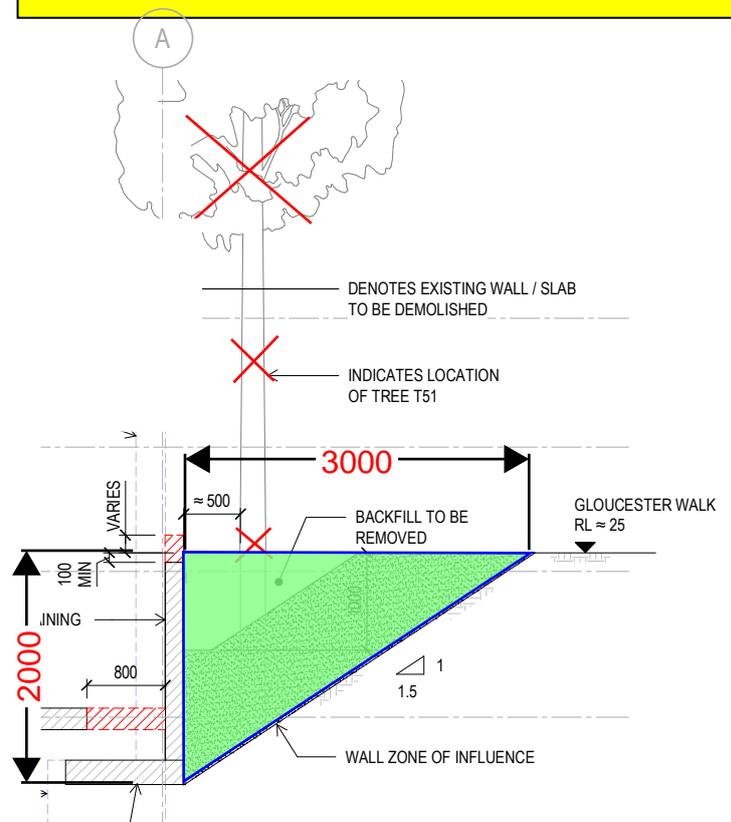
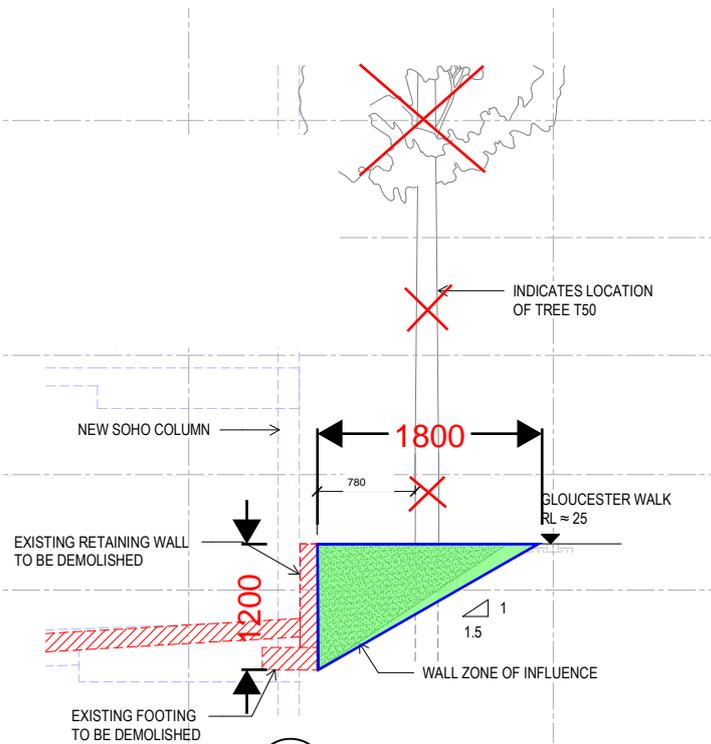
This is done to eliminate risk of the concrete wall or fill material behind the wall collapsing inwards on the workers whilst they working.

Since the wall is 1.2m in height the batter back would need to be 1.8m. See below

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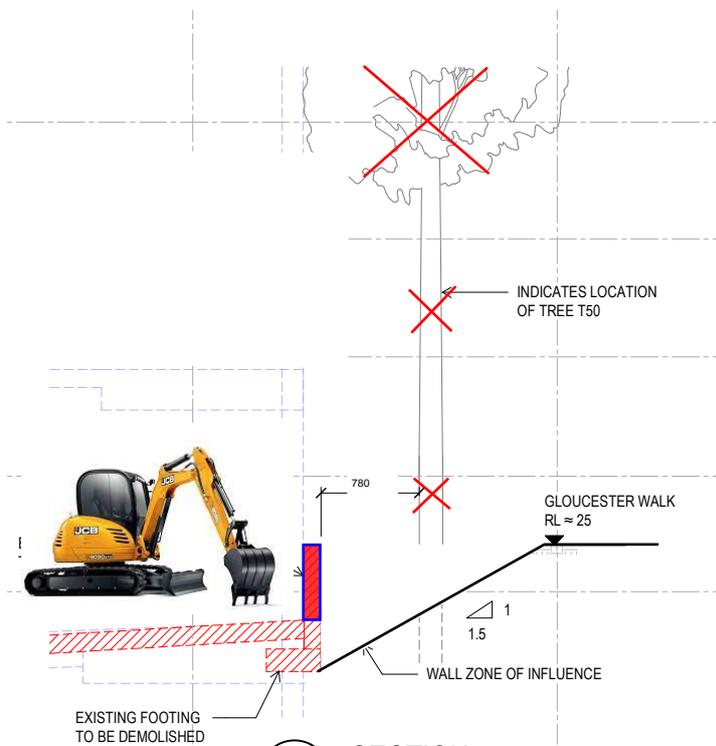
Since the wall is 2m in height the batter back would need to be 3m. See below



Tree 50

Step 2 - Demolish upstand wall.

A 5t excavator with hammer attachment will demolish the existing upstand wall down to the top of the existing B1 slab.

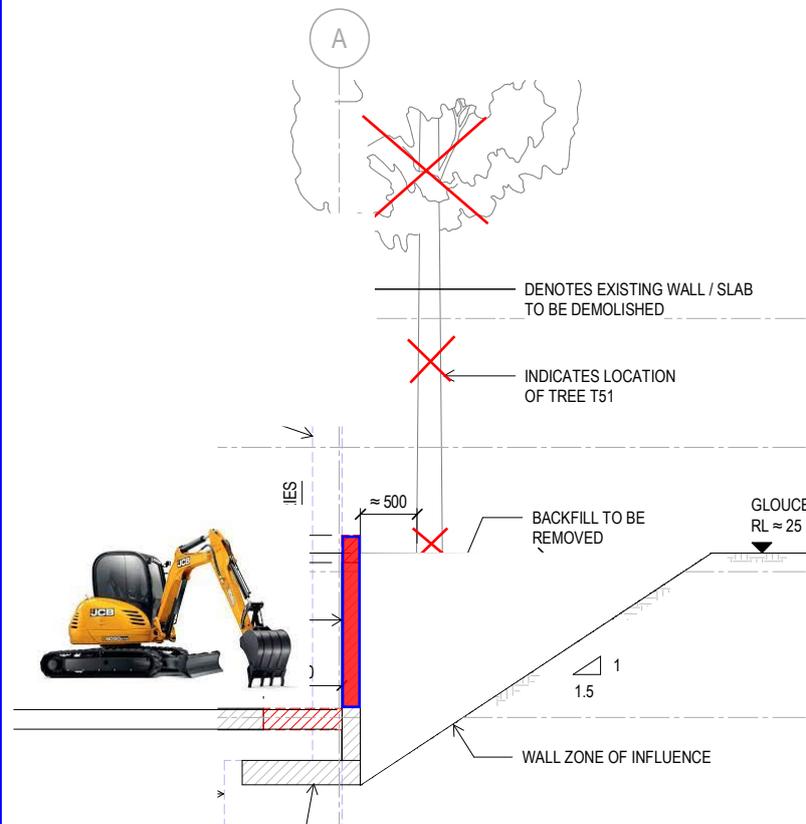


Tree 51

Step 2 - Demolish upstand wall.

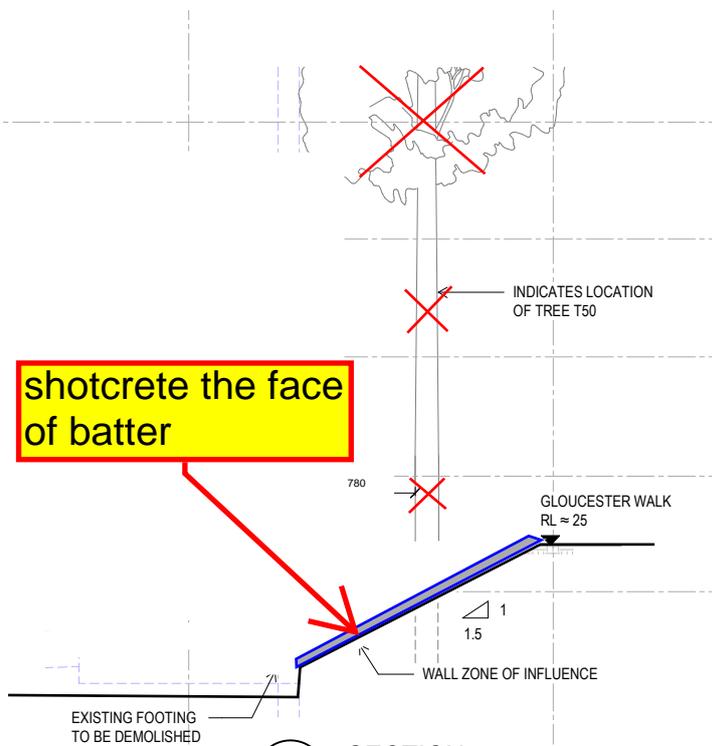
Vertically Sawcut either end of the section of wall that has structurally failed and needs to be replaced.

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Tree 50

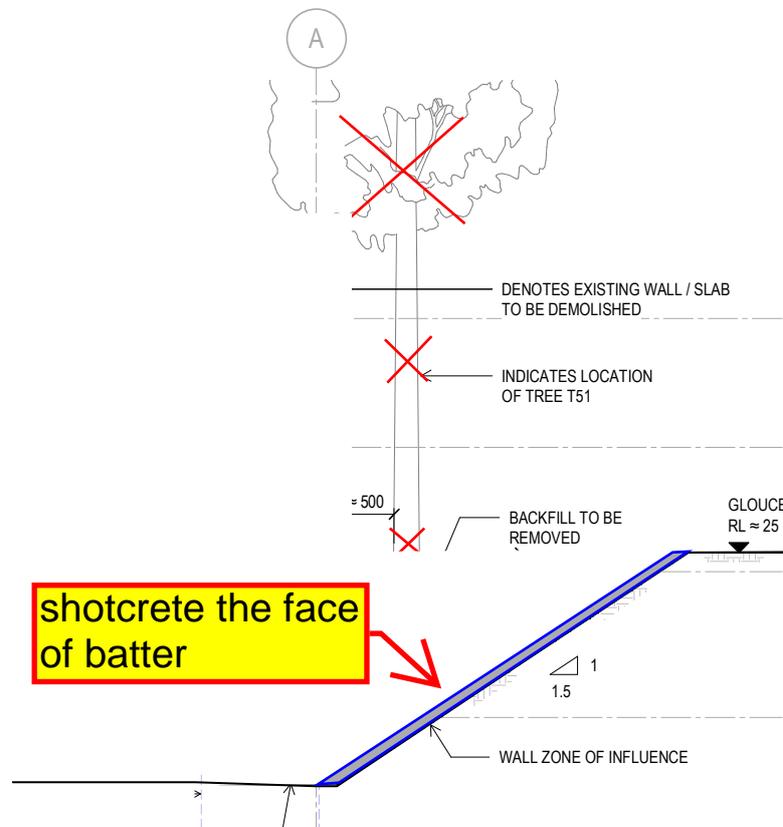
Step 4 - shotcrete the face of the exposed batter. This is done to stabilise the soft material and prevent scouring/collapse of material due to rain and stormwater runoff.



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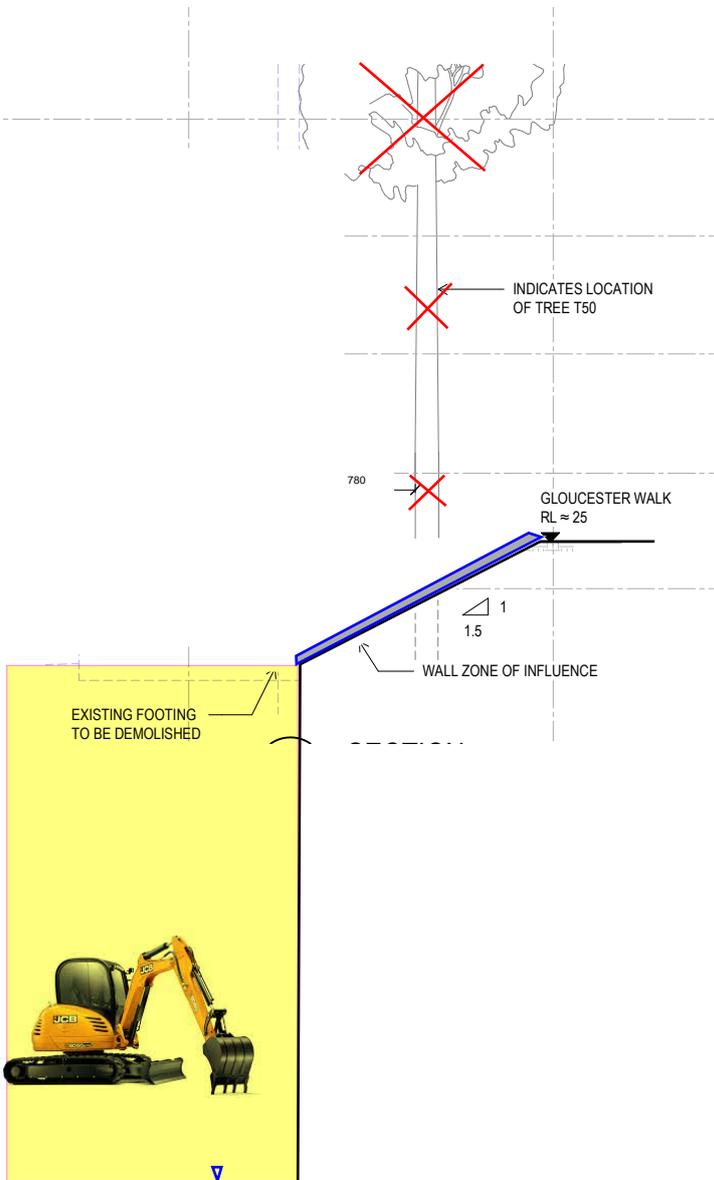
Tree 51

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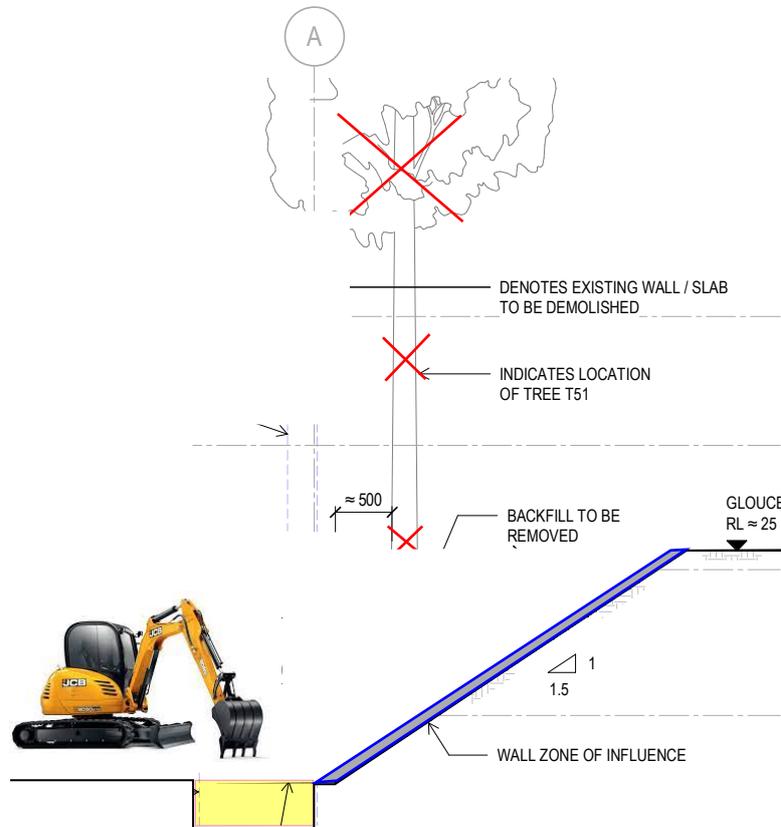
Tree 50

Step 5 - Excavate basement to Bulk
Excavation level from underside of existing
retaining wall footing.



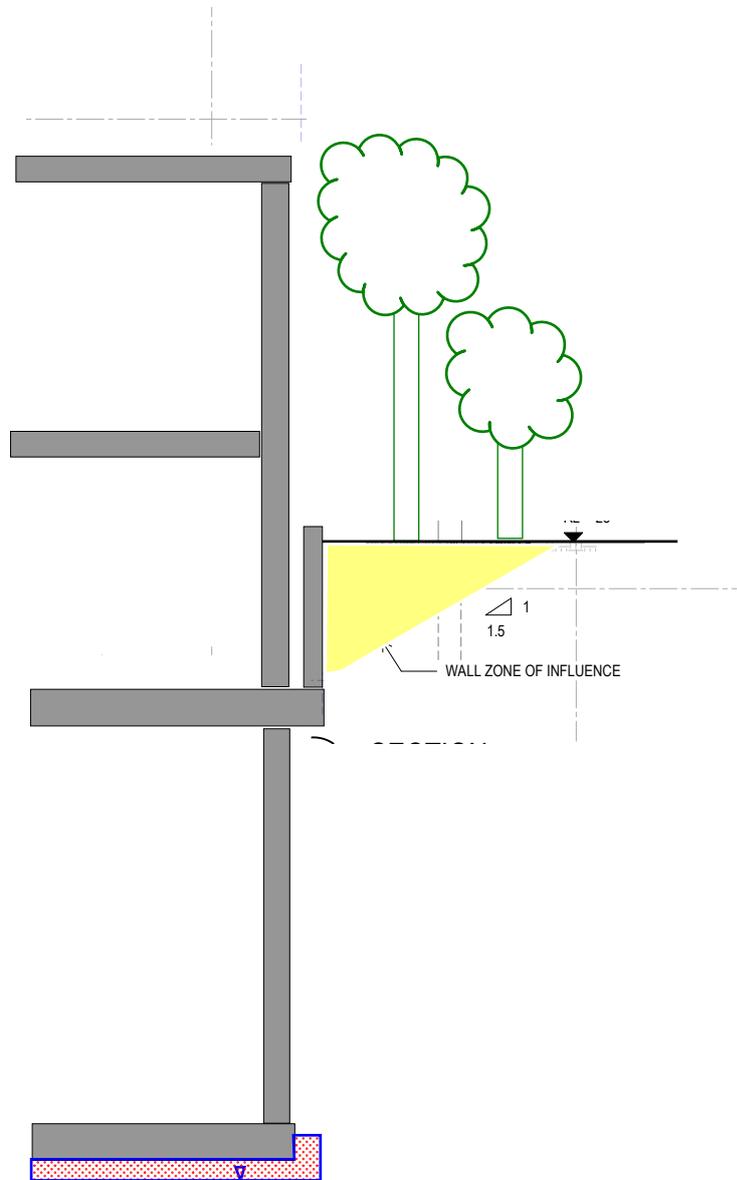
Tree 51

Step 5 - Excavate New SOHO footings,
approximately 600mm deep below underside
of existing retaining wall footing.



Tree 50

Step 7 - Remove Shotcrete, Install subsoil drainage, backfill against structure & Plant new trees.



Tree 51

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