Planting Schedule and Ground Treatment

The Scots College

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Site Address: Victoria Road, Bellevue Hill.

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Planting Schedule- Cranbrook Lane Entrance

This assessment has been completed to provide information on plant selection criteria and ground works as part of the landscape component for the upcoming development. This has been done to provide a scope from which plant selection and the design for ground level finishes can be made.

The underlying soil throughout the grounds will be a sand based loam derived from the underlying sandstone rock shelf. This will vary in depth throughout the site and provide limited available nutrients. Plant selection will need to consider mature canopy size with access to suitable soil volumes as a potential limiting factor. We do not want to plant a tree with a large biological potential in a small planter and watch it struggle throughout its existence.

The planting needs to compliment both the environmental and architectural landscape. Plant selection criteria has been made on both species provenance and structure. All larger tree species are locally native and part of the remnant plant community. I think that it is important for the site's horticulture to reference the area's historical past.

The proposed works provide planting opportunities adjacent to the Cranbrook Lane entrance. As noted, plant selection criteria have been made with a number of considerations, including soil volume. *Livistona australis* or Cabbage tree palms have been selected to provide an immediate amenity and vertical structure. These are a locally native palm species that is notoriously slow growing and as a result they are both hardy and relatively expensive.

Lower canopy tree species include *Coastal Banksia,* or Banksia costata. This is an important tree species in this coastal heath plant community that will form a smaller, but well structured mid sized canopy with a unique silver foliage and yellow flower. Xanthorrhoea should also be considered for its connection/link between lower canopy trees and the proposed grasses.

Grasses should be used as both low lying ground cover planting and as a boarder along the edge of the Cranbrook Lane boundary. This will not only give the area a clean finish but also add amenity between the larger and lower canopy tree species. Fountain grasses such as Pennisetum and Lomandra.

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Planting examples of suggested species including; Cabbage Tree palm and Costal Banksia.

Planting examples of mid to low level grasses, such as; Xanthorrhoea, Pennisetum and Lomandra.

Shows many of the suggested plant species and how they work together in an aesthetic way.

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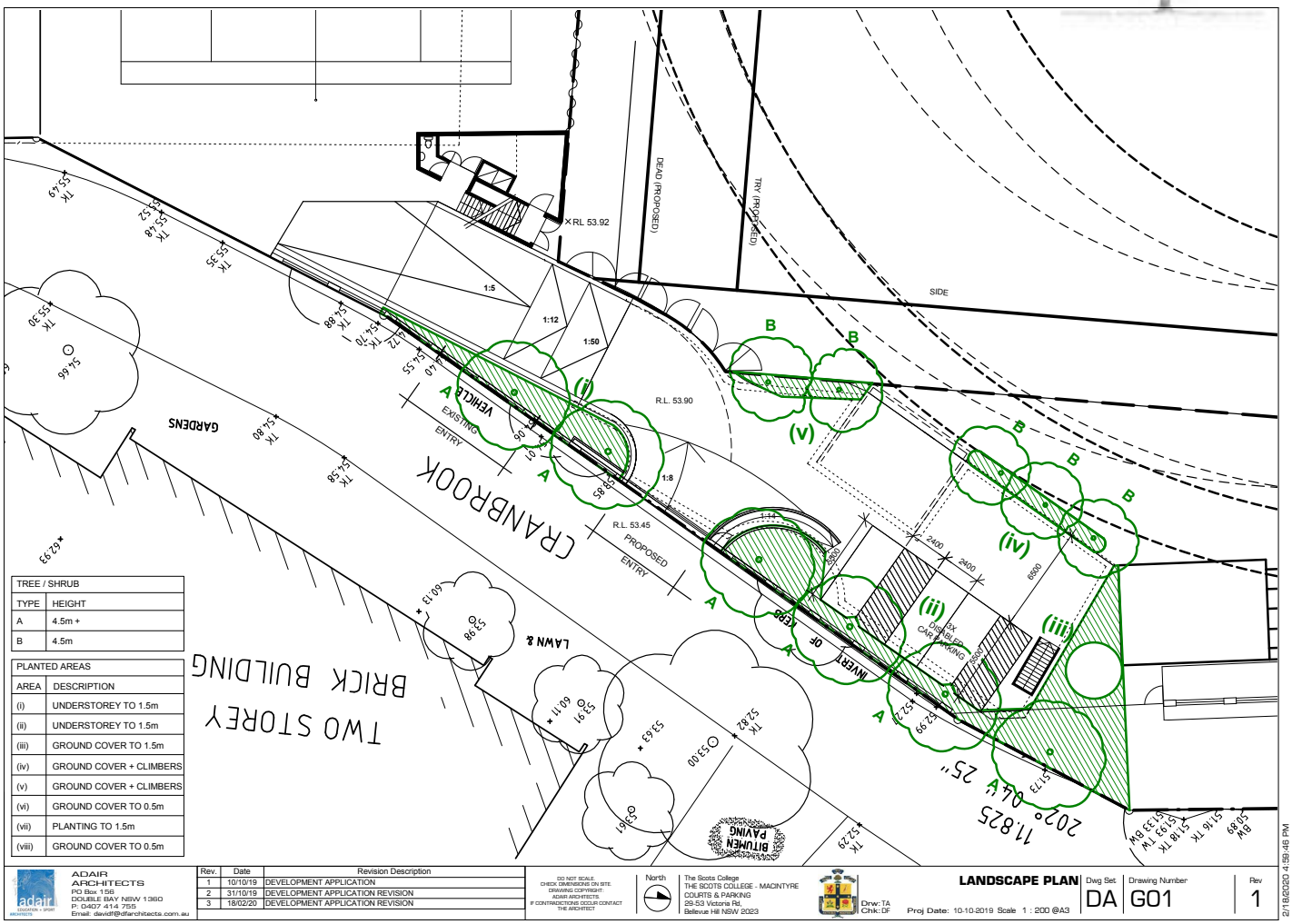


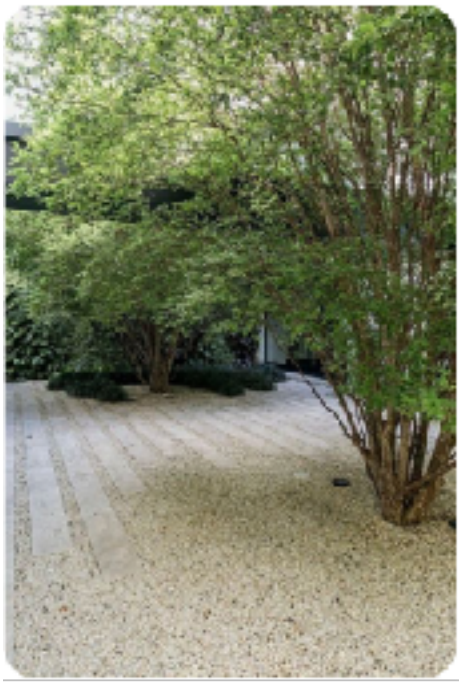
Figure 1 Plan showing the Cranbrook Lane Entrance and the locations of the proposed trees.

Ground Treatment- Macintyre House Area

Soil treatment and levels surrounding the area between Cranbrook Road and Macintyre House is another area requiring consideration. This area will remain an important part of the tree protection zone (TPZ) for the neighbouring *Ficus microcarpa* or Hills Figs and will need to consider underlying tree roots - particularly those located within 4m of the bases of each tree. All larger diameter roots here are considered to be structurally significant and should not be directly affected by the proposed works.

Surface level changes will however be required to ensure that pedestrian access is maintained throughout this area. Existing surface roots will need to be preserved and soil treatments will need to consider both water infiltration and oxygen exchange to the roots. A permeable soil treatment with a gap grade fill will ensure that both soil moisture and oxygen can move through this surface.

Surface treatments have focused on providing a practical solution to the ongoing growth of these trees and their surface root networks. These trees will continue to grow and surface treatments will need to be able to be lifted and relayed to allow for this.



This page shows different options for the surface finish in the pedestrian area around Macintyre Boarding House.

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Bench seating and fountain grass edging ideas for the Macintyre Boarding House area.

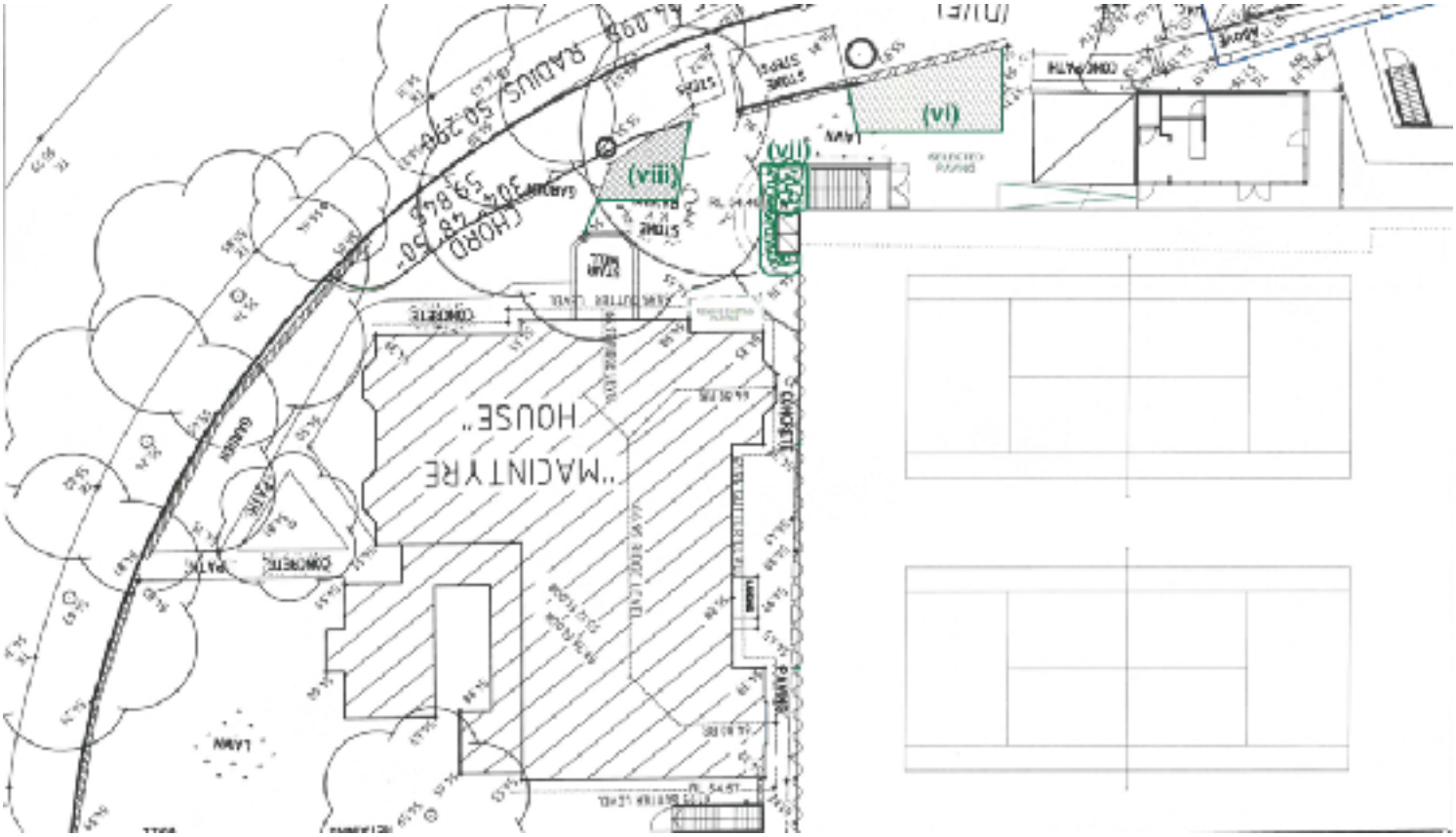

Figure 2 Shows the plan of the Macintyre House area with existing trees and surface areas.

Tree Planting Schedule. The Scots College.

T#	Species	Pot Size L	Installation Height	Est. mature Height	Number
La	Livistona australis (Cabbage tree palm)	200L	3m	8-10m	3
Ac	Angophora costata (Sydney Red Gum)	75L	2m	14m	3
Bi	Banksia integrifolia (Coastal Banksia)	45L	2m	6-8m	5
Pa	Pennisetum alopecuriodes	200ml	200mm	800mm	40
Lt	Lomandra tanika (Lomandra)	200ml	200mm	800mm	40
X	Xanthorrhoea (Grass tree)	100L	1m	1m	6

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Disclaimer
All care has been taken to assess potential hazards. Trees are however inherently dangerous. This assessment was carried out from ground level and covers what was reasonable to assess at the time of inspection. No aerial or underground inspections were carried out unless specifically stated. Structural weakness may exist within the roots, trunk or branches.
Any protection or preservation methods recommended are not a guarantee for the trees survival. They are recommendations to improve and reduce risk only. No responsibility is accepted for the damage or injury by trees to people or places.
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Botanics has relied on information provided by others. This includes plans, documents and verbal submissions. Botanics can neither guarantee or be responsible for the accuracy of this information.
Information contained in this report only covers those trees documented and reflects their health and structure at the time of inspection only. There is no warranty or guarantee expressed or implied that problems may not arise at any time in the future.