

Memorandum

To	Mace Australia Pty Ltd	Josh Malin	Josh.Malin@macegroup.com
cc	Mace Australia Pty Ltd	Gordon Barlow	Gordon.Barlow@macegroup.com
From	Grant Russell	Date	15 Oct 2020
Subject	Proposed Upgrade Works – Tree Retention and Tree Planting	Project No.	92277.02.R.001.Rev0

As requested by Mace Australia Pty Ltd (Mace) on behalf of the NSW Minister of Education, Training and Youth Affairs (NSW METY), Douglas Partners Pty Ltd (DP) provides this memorandum to assist with the proposed remediation and upgrade works at Darlington Public School located at 417 Abercrombie Street, Darlington NSW (hereinafter referred to as 'the site'). It is understood, based on email correspondence from Mace dated 9 October 2020, that the memorandum is required to clarify remedial works which specifically relate to tree retention and the planting of trees at the site.

In general, the proposed remediation works for the site are to be completed as per the remediation action plan (RAP, DP ref. 92277.02.R.001.Rev4) completed by DP in August 2020. The relevant sections of the RAP and other additional considerations required for tree retention and the planting of new or mature trees at the site are as follows.

Tree Retention

As per section 12.2 of the RAP the capping layer depths maybe reduced in the immediate vicinity (1.5 m from the trunk) of large established trees to limit the potential for the capping layer (from the installation of capping layer and/or the increased depths of soil at the base of tree trunks) to damage the trees – in the event that the capping layer is reduced in the vicinity of trees then another barrier (ie: elevated timber boardwalk or fencing) must be implemented to prevent a complete pathway to impacted fill – consultation with a qualified arborist is recommended to determine the most appropriate barrier.

The requirements of the capping layer and lining with geo-textile fabric as described in sections 12.5.3 and 12.5.4 respectively of the RAP must also be followed when designing the capping layer surrounding existing trees.

Planting of New and Mature Trees

In the event new trees (with the potential to grow to a significant size) or mature trees are to be planted then the capping layer design may include localised areas of an increased capping depth (> 0.5m) to accommodate the detailed excavation required for the mature trees and for the potential deeper root growth associated with larger trees. The increased width and depth of the capping in such areas designated for the planting of such trees is to be specified by the landscape architect.

Should impacted fill remain in areas designated for the planting of new or mature trees then the increased capping depth design must also comply with the requirements as described in sections 12.2, 12.5.3 and 12.5.4 respectively of the RAP.

In the event all fill is to be excavated and removed from areas designated for planting of new or mature trees then the remaining underlying natural soils are to be validated as described in section 13.1.3 of the RAP.

We trust that the information given within is in accordance with your present requirements. Please contact the undersigned if you have any questions on this matter.

Yours faithfully

Douglas Partners Pty Ltd



Grant Russell

Associate / Senior Environmental Scientist

Reviewed by



Glyn Eade
Senior Associate

Limitations

Douglas Partners (DP) has prepared this memorandum for this project at Darlington Public School, 417 Abercrombie Street, Darlington NSW in accordance with DP's proposal MAC190046 dated 23 January 2020 and acceptance received from Tina Johnson on behalf of NSW Department of Education dated 20 February 2020. The work was carried out under DP's Conditions of Engagement and School Infrastructure NSW Request for Tender Part D – Standard Form Agreement SINSW00004/19. This report is provided for the exclusive use of NSW Department of Education for this project only and for the purposes as described in the report. It should not be used by or relied upon for other projects or purposes on the same or other site or by a third party. Any party so relying upon this report beyond its exclusive use and purpose as stated above, and without the express written consent of DP, does so entirely at its own risk and without recourse to DP for any loss or damage. In preparing this report DP has necessarily relied upon information provided by the client and/or their agents.

This report must be read in conjunction with the RAP (DP ref. 92277.02.R.001.Rev4) and should be kept in its entirety without separation of individual pages or sections. DP cannot be held responsible for interpretations or conclusions made by others unless they are supported by an expressed statement, interpretation, outcome or conclusion stated in this report.

This report, or sections from this report, should not be used as part of a specification for a project, without review and agreement by DP. This is because this report has been written as advice and opinion rather than instructions for construction.