

Arboricultural Comment 2

**Sydney Fish Market – Site Accommodation,
Glebe NSW 2037**
Version 2

Prepared for:
Multiplex
c/o- FerryCarrig

Delivered via email: Jun.Kim@multiplex.global

21st February 2022

Dear Jun,

Re: Arboricultural Comment 2 – Sydney Fish Market – Site Accommodation, Glebe NSW 2037

I refer to our email correspondence where you have requested that I summarise the actions we have taken in response to Council's comments and recommendations contained within *City of Sydney Council: Advice on Response to Submissions; Sender Reference: SSD-8925-MOD-6 / Council Refernece 2021/054180, dated 11.02.2022*. Please see below responses based on Council comments and recommendations contained within the above-mentioned document:

Council comment 1: *Section 4 of the amended Arboricultural Impact Assessment (AIA) prepared by Tree Report dated January 2022 'Version 2' states that a minor Tree Protection Zone (TPZ) encroachment is up to 20%. This statement is not in accordance with Australian Standards AS 4970-2009 'Protection of Trees on Development Sites'. A TPZ encroachment greater than 10% of TPZ is classified a major encroachment.*

Response: Section 3 of the AIA report outlines levels of TPZ encroachment as per AS4970-2009 *Protection of Trees on Development Sites* as well as the anticipated impacts to the health, viability and structural stability as a result of TPZ encroachment percentages. The AIA report describes measures to mitigate the anticipated impacts to the Subject Trees as a result of TPZ encroachment which increases as the level of TPZ encroachment increases (refer to Section 3 – Arboricultural Impact Assessment, pages 2, 3 & 4).

Council comment 2: *The proposed pruning to T3 and T10 is supported, however, the proposed pruning of T4 of four branches consisting of three 150mm and one 100mm diameter branches will significantly change the trees form. The Arboricultural Letter prepared by Tree Report dated 25 January 2022 states that 15% canopy will be removed from T4. From reviewing the pruning specification, it would appear that the removal of the four branches would be greater than 15% canopy.*

Response: The recommended pruning locations will have an impact on the form of the Subject Tree; however, it is required to facilitate plant movements and is the preferred option as opposed to tree removal.

The percentage of canopy removal was estimated at the time of the inspection and maybe more (or less) than 15% total live canopy volume. Live crown ratios of 50%-60% are required to maintain tree vitality while reducing the risk of premature limb/tree failure and the removal of ~15% is unlikely to have a significant long-term impact on the viability of the Subject Tree.

Council comment 3: *Exploratory non-destructive root investigations have been undertaken adjacent T3, T9, T10. Excavation was undertaken by hand to a 600mm diameter. The depth varies at each tree depending on roots being present. Three roots from T3 and tree roots from T9 were found. The largest roots were 50mm diameter. The proposed roots pruning is considered minor and unlikely greatly affect the health and stability of T3 and T9.*

Response: Agreed.

Council recommendation 1: *To retain T8, the proposed sewer connection should be relocated outside the Tree Protection Zone (TPZ) of all existing trees. Alternative installation methods for services, such as direction boring/drilling, or redirection of services shall be employed where large woody roots greater than 30mm diameter are encountered during the installation of any services adjacent to the specified TPZ.*

Response: Tree Report Pty Ltd has been advised by the Client that 'T8 will need to be removed as we are not permitted by Sydney Water to drill in a new connection point to the existing sewer main that runs through the school. The existing junction point that is located within T8's structural root zone is the only location we can connect our sewer to and thus cannot accommodate Council's suggestions. The other option for sewer is to place a sewer tank in the school carpark on ground floor, which will require daily pumpout with a collection truck. This is not desirable as students will be exposed to foul odours from the tank, while a pumpout truck will need to enter school grounds daily.'

Furthermore, Subject Tree **id.8** is of low retention value, and offset replacement replanting, to compensate for the loss of the tree, has been proposed in the AIA report (refer to Section 6 – Recommendations, page 13).

Council recommendation 2: *Pruning to T3 and T10 as per the AIA recommendations must be undertaken in accordance with Australian Standard AS4373-2007, Pruning of Amenity Trees.*

Response: Agreed (refer to Section 6 – Recommendations, page 13).

Council recommendation 3: *The design of temporary structures should be amended to be slightly setback from the trees canopy to reduce the level of pruning specified to tree T4.*

Response: Pruning of Subject Tree **id.4** is required to facilitate plant and vehicle movements and not to accommodate the proposed gantry structure and as such, there is no need to amend the design of the temporary structure.

Council recommendation 4: *All plans are updated to show the TPZ, SRZ and canopy spread of existing street trees.*

Response: The TPZ, SRZ (overlayed) and canopy spread (aerial imagery) of the Subject Trees is already shown on all plans contained within the AIA report.

Council recommendation 5: *Reference should be made to the City's 'Tree Guidelines for Pruning, Reporting and Using an Arborist' for guidance on information that must be provided in an Arboricultural Impact Assessment Report, including tree pruning specification and exploratory root investigation.*

Response: Reference has been made to the above-mentioned document within the AIA report (refer to Section 8 – Specific References, page 18).

I trust this answers your query.

Yours sincerely,



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