



Director – Regional Assessments Keiran Thomas Department of Planning Industry and Environment 4 Parramatta Square, 12 Darcy Street Parramatta NSW 2150

46 FITZROY STREET, CARRINGTON (DA 10689) RESPONSE TO SUBMISSIONS ADDENDUM

Date 1/11/2021

We refer to correspondence received from the Department of Planning, Industry and Environment (the Department) on 15 October 2021 in relation to the Part 4 development application at 46 Fitzroy Street, Carrington (DA 10689). Ramboll Australia Pty Ltd (Ramboll), on behalf of Port of Newcastle (PON), provides this addendum response to the submissions received from the City of Newcastle.

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Ref Response to Submissions DA-10689



Response to the City of Newcastle Council submission

Table 1-1 lists the additional matters raised by City of Newcastle on DA 10689 and provides a response to each

Table 1-1: Matters raised by City of Newcastle on DA 10689 and how they have been addressed

Matter raised Response Proposed rain garden While full design details will be provided at construction certificate stage, it is the It is uncertain how the proposed intent of the design to generally have a downturn in the pavement with kerbs on rain gardens will interface with the side of parks and wheel stops used to prevent vehicles entering the surrounding parking areas due to biofiltration areas. limited information provided for their design. It is recommended that detailed cross-sections of the proposed bioretention rain gardens be provided to clarify: a. How runoff from adjacent hardstand areas will be collected to RAIN GARDEN (TYPICAL) the rain garden (i.e. using Typically, we would provide this detail at construction certificate stage. It includes castellated kerb); and turning the geotextile up (as per detail above the geotextile is shown against the b. How the proposed rain gardens concrete downturn) against the tree pit to discourage root penetration into the will be protected from vehicle filter media. The subsoil from the biofiltration area can then be ran past the tree damage. pits as required. Typical cross-sections should also be provided for sections of rain garden crossing through any proposed tree vaults and tree

plantings to clarify how these design elements will be

implemented in the same space.



Matter raised Response Overland flow path The parking area has been specifically designed to have ponding in the area in In the design of the east car park, question to a maximum depth of 200mm. This maximises the treatment in the it is noted that the 4th parking aisle biofiltration and permeable paving. The relief point is the driveway area RL2.00 (from the left) is graded falling which will ensure runoff does not pond to deeper levels. westward to drain runoff to the adjacent bioretention garden. There is a concern this design may result in the formation of an unrelieved low point between the 3rd and 4th parking aisles causing in ponding over the car park during major storm events (assuming site controls fail). It is recommended that an overland flow path be provided to alleviate or limit ponding over this low point.' 3. Proposed tree planting It is noted that the intent of the requirements of Section 7.02 of the Newcastle It is recommended that the DCP is to reduce heat and glare within the car park. proposed tree planting within the Shade trees are proposed at a rate of one every five car spaces with the car park comply with requirements exception of the central isle. The proposed garden beds in the car park are set out in Section 7.02 of the 1.2 metres wide and the tree coverage is in the order of 19% of the total car Newcastle DCP for landscaping parking area. In addition to the shade trees, there is provision for smaller strips within external car parks: of landscaping between the rows of car spaces to improve the aesthetics of the Generous shade trees are planted car park. within the parking area at a rate of 39% of the car park is proposed to be permeable medium rather than at least one shade tree per six bitumen/concrete and therefore both the heat and glare generated in this area parking spaces with an aim to will be reduced. achieve at least 50% shade cover As a result 58% of the total car parking area is comprised of measures that will of the area. Shade area is to be reduce heat and glare generation. calculated from the estimated crown projections of a tree 15 years in age under suitable growing conditions. Selected tree species are to develop a clean trunk height greater than 4.5m and a crown projection of at least 50m2 to provide adequate shade and vehicle clearance. Landscape documentation is to detail the provision of sub-grade load bearing root vaults to provide suitable rooting volume for the required number of shade trees.



Matter raised	Response
- Where tree planting is proposed in landscaping strips within the car	
park, these landscaping strips should be at least 1.5m wide.'	

1. Conclusion

We trust that the above response adequately addresses the submissions raised. If you would like to further discuss we would be happy to arrange a meeting with you.

Kind regards

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