

Ref: 18/063

17th February 2023

GWH PO Box 753, NEWCASTLE NSW 2300

Attention: - Loughlin Jordan

Dear Loughlin,

RE: Traffic, Access and Parking Assessment Addendum 2 – S4.55 Modification to Consent - Mixed Use Development – Lot 1171 DP 858465, Lot 1181 DP 596950, Lot 1 in DP 741514 & Lot 100 DP 612505 – 1, 17 & 19 National Park Street and 484 King Street, Newcastle West (DA 2019/0711 approved 21st September 2020).

Intersect Traffic has reviewed the latest modified plans (RFI issue dated 3rd February 2023) and the RFI received from Newcastle City Council dated for the above development and in regard to the impact of the modified development on the traffic and parking assessment report for the original development prepared by Intersect Traffic and dated 22nd May 2019 and the Traffic Addendum 1 dated 16th August 2022 the following traffic and parking addendum has been prepared to assess these traffic, access and parking related impacts.

Traffic, Access, and Parking Addendum 1

Background

M: 0423 324 188

Intersect Traffic prepared a Traffic and Parking Assessment for the proposed development in May 2019 (Intersect Traffic 2019) and the development (DA2019/0711) was approved by the Land and Environment Court on the 21st of September 2020. GWH have now acquired the development site with the development approval and a Traffic Addendum 1 dated 16th August 2022 was prepared for the modification which sought to modify the consent with the inclusion of an additional level of apartments onto the building, which results in an increase of 6 units, and decreasing the commercial tenancy floor areas by 120 m² GFA. Council issued an RFI on these modified plans in late 2022 / early 2023 and in response to the RFI the plans have been further modified to address the issues raised in the RFI. The modified RFI issue development plans are provided in *Attachment 1*.

This traffic addendum addresses the issues raised in the RFI in terms of the traffic and parking issues relayed to Intersect Traffic by GWH (Sam Coles e-mail 09/02/23 see *Attachment 2*) which include the following.

- 1. Additional Car Parking and Traffic impacts.
- 2. Operational Management Plan for the On-site Car Parking; and

3. Residential Bicycle allocation.

In it is also noted that as of the 1st November 2022 a major amendment to Newcastle City Council's DCP (2012) – Part 7.03 Traffic, Parking and Access which has significant impact on the assessment of this development.

In preparing this addendum Intersect Traffic has referenced the RTA's Guide to Traffic Generation (2002), Australian Standards AS2890.1-2004 Parking facilities Part 1 – Off-street car parking (AS2890.1-2004) and the current Newcastle Council DCP (2012) modified 1st November 2022.

Traffic Generation

The RTA's Guide to Traffic Generating Development's and the RMS Technical Direction TDT 2013/04 provides specific advice on the traffic generation potential of various land uses.

In regard to commercial premises and high density residential flat buildings considered to be the most appropriate land-use descriptions for the proposed development the following advice is provided within the TDT.

Commercial Office Premises Rates:

Daily vehicle trips = 11 per 100 m² gross floor area Morning peak hour vehicle trips = 1.6 per 100 m² gross floor area. Evening peak hour vehicle trips = 1.2 per 100 m² gross floor area.

High Density Residential Flat Building Rates:

Weekday Rates	Sydney	Sydney	Regional	Regional
	Average	Range	Average	Range
AM peak (1 hour) vehicle trips per unit	0.19	0.07-0.32	0.53	0.39-0.67
AM peak (1 hour) vehicle trips per car space	0.15	0.09-0.29	0.35	0.32-0.37
AM peak (1 hour) vehicle trips per bedroom	0.09	0.03-0.13	0.21	0.20-0.22
PM peak (1 hour) vehicle trips per unit	0.15	0.06-0.41	0.32	0.22-0.42
PM peak (1hour) vehicle trips per car space	0.12	0.05-0.28	0.26	0.11-0.40
PM peak (1 hour) vehicle trips per bedroom	0.07	0.03-0.17	0.15	0.07-0.22
Daily vehicle trips per unit	1.52	0.77-3.14	4.58	4.37-4.78
Daily vehicle trips per car space	1.34	0.56-2.16	3.22	2.26-4.18
Daily vehicle trips per bedroom	0.72	0.35-1.29	1.93	1.59-2.26

Source: - NSW RMS TDT 13/04

Based on these rates the additional traffic generation for the site with an additional 6 units will be as follows.

AM peak = $6 \times 0.53 - 120 / 100 \times 1.6 = 2 \text{ vtph.}$ PM peak = $6 \times 0.32 - 120 / 100 \times 1.2 = 1 \text{ vtph.}$

Therefore the additional traffic generated by the modification is very low and insignificant in regard to its impact on the efficiency and effectiveness of the local and state road network.

It is therefore reasonable to conclude that the proposed modification to the development will not adversely impact on the adjoining local and state road network.

Access

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The access arrangements to the development do not change as a result of the amendments with the only difference being that the undersize/over length parks shown originally are now shown as compliant tandem parks. This does not change the access requirements under AS2890.1-2004 as car parking numbers are in the vicinity 300 spaces therefore, the increased on-site car parking within the development does not require modification to the access arrangements. It is therefore reasonable to conclude that the approved access arrangements, that do not change with the modified development, are still suitable for use by traffic associated with the modified development.

On-Site Car parking

Using the rates provided in the current Adopted DCP(2012) the on-site car parking assessment for the modified development is provided in *Table 1* below.

Table 1 – Newcastle DCP (2012) – Car parking requirement

Proposed Use	DCP Parking rate	GFA/Units	Car spaces required	Car spaces proposed
Commercial	1 per 50m ²	1285m ²	26	26
Residential				
Studio/1 bed	1 maximum	36	36	36
2 bed	1 maximum	127	127	159 (16 tandems allocated to single units)
3+ bed	2 maximum	31	62	62
Visitor	No rate		20 (nominated and accepted by Council)	20
		Total	271	303

Overall it can be seen that the proposed development complies with the requirements of the most recent version of the DCP by providing 257 residential car and 26 commercial car parks. The applicant has chosen to provide 20 visitor car parks of which 13 are electric vehicle charging stations further complying with Council's requirements for such facilities in new developments.

It can therefore be concluded that overall, the development provides sufficient and suitable on-site car parking to meet the requirements Newcastle City Council. It is also noted that car parking dimensions and aisle widths are considered to be compliant with AS2890.1-2004.

All surplus car parks, in this case 32 carparks, consisting of 16 tandem parks, have been included in the overall GFA calculations for the site, as directed by Council. The surplus car parks essentially service the 2-bedroom units, with GWH sales data across numerous projects identifying that a high percentage of two bedroom owners across

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city centre projects owning two cars. By providing these car parks within the development, it will free up on street and parking station spots to be utilised by city workers and visitors. The development complies with the required FSR with the inclusion of the surplus parking.

In this regard is also noted the clearance on each level exceeds the AS2890.1-2004 requirement of 2.2 m by at least 100 mm with the ground floor clearance also being 2.6 metres exceeds the line of travel clearance requirement for accessible car spaces (2.5 metres) by 100 mm.

Other Traffic related matters

It is noted that servicing arrangements and alternative transport mode demand and facilities have not changed as part of this modification and the commentary and conclusions in regard to these matters in Intersect Traffic (2019) also remain unchanged.

On-site Car parking Operational Management Plan

A draft operational management plan for the On-Site Car parking is provided within **Attachment 3**. In summary the car park will be a secure car park with the entry gate on ground level being the control point for car park security. The commercial car parking on ground level will be mainly for tenants and staff who will have access to a swipe card or pass code (yet to be determined). This however does not preclude the tenant, as the residential occupants can do, allow visitors to enter the ground level car park using their assigned swipe cards or pass codes.

Ground level mezzanine to Level 3 car parking (257 spaces) will be for residential parking only. A spreadsheet preliminary assignment of parking spaces to units has been undertaken by the proponent and included in the Operational Management Plan however, this may be subject to change as sales of the residential units proceed. This is still compliant with Council's latest DCP version as Council in this DCP allows the developer flexibility in assignment of the car parks provided the maximum number of car parks required by the DCP is met.

Bicycle Storage Allocation and End of Trip Facilities.

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Bicycle Storage areas are shown on Plan No.'s DA-A27-501 to DA-A27-506. The facility now provides a secure bicycle storage room for 27 bicycles and an open visitor bicycle storage room for 10 bicycles on ground level while the storage cages for each unit is of sufficient size to hold a bicycle ensuring that the development provides in excess of the DCP bicycle storage requirement. The total number of bicycle parks for the development is 235.

End of trip facilities are provided in each residential unit and in each commercial unit to cater for residents and staff while a dedicated open shower and toilet is provided on the ground floor for use by visitors. It is considered this is compliant with Council's DCP and in terms of end of trip facility the development provides well in excess of the provisions of other similar developments recently approved in the area.

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Conclusion

This Traffic, Access and Parking Addendum has determined that the proposed modifications to the development will not adversely impact on the local and state road network and that the development remains compliant with Newcastle City Council's requirements (DCP 2012), AS2890.1 and TfNSW requirements. Sufficient and suitable on-site car parking is provided within the development to meet the requirements of the current DCP in terms of the number of car parks. As such it is recommended that Newcastle Council could support the modification without additional conditions being placed on the consent.

For further information or clarification please do not hesitate to contact me on 0423 324 188.

Yours sincerely

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Jeff Garry **Director**

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Attachment 1 – Modified Plans dated.

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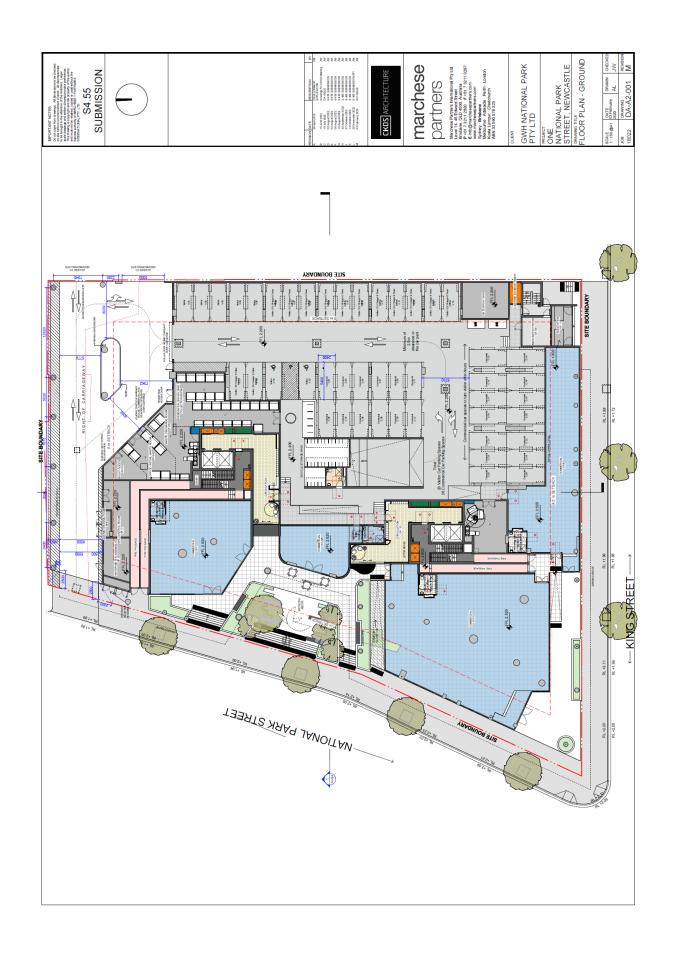
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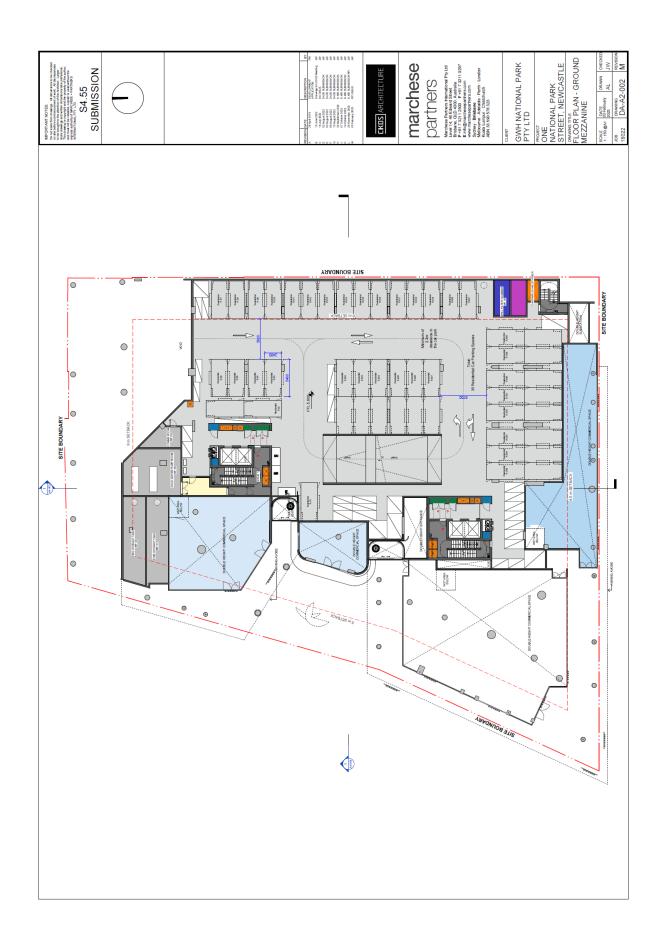
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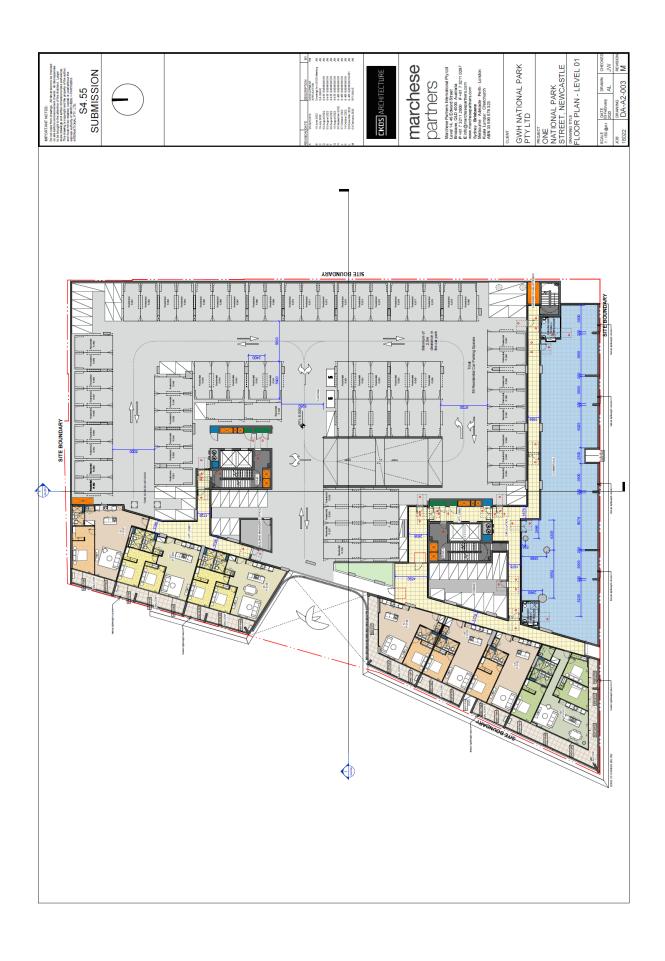
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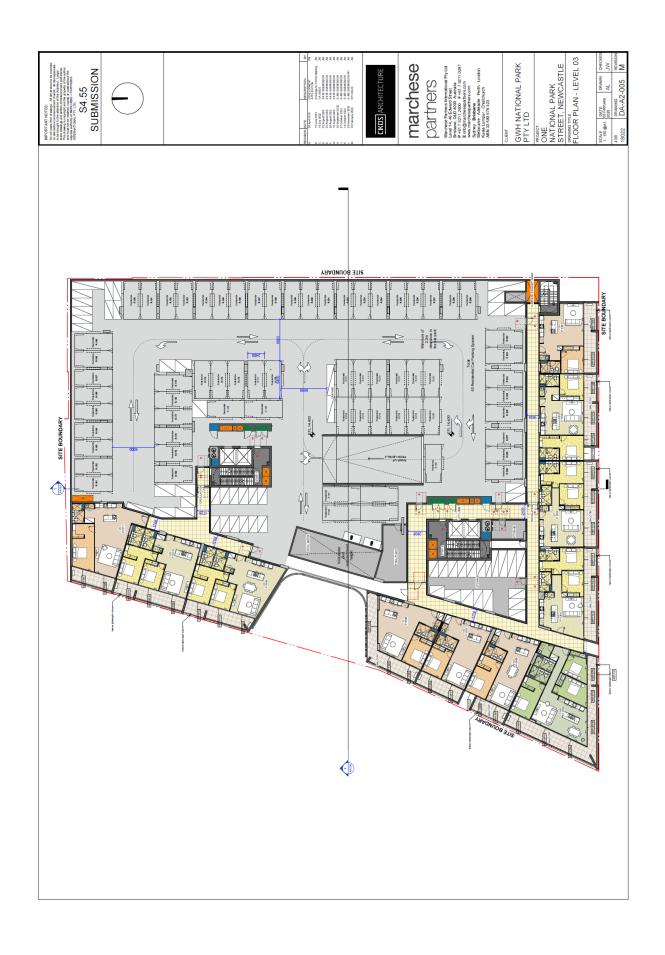


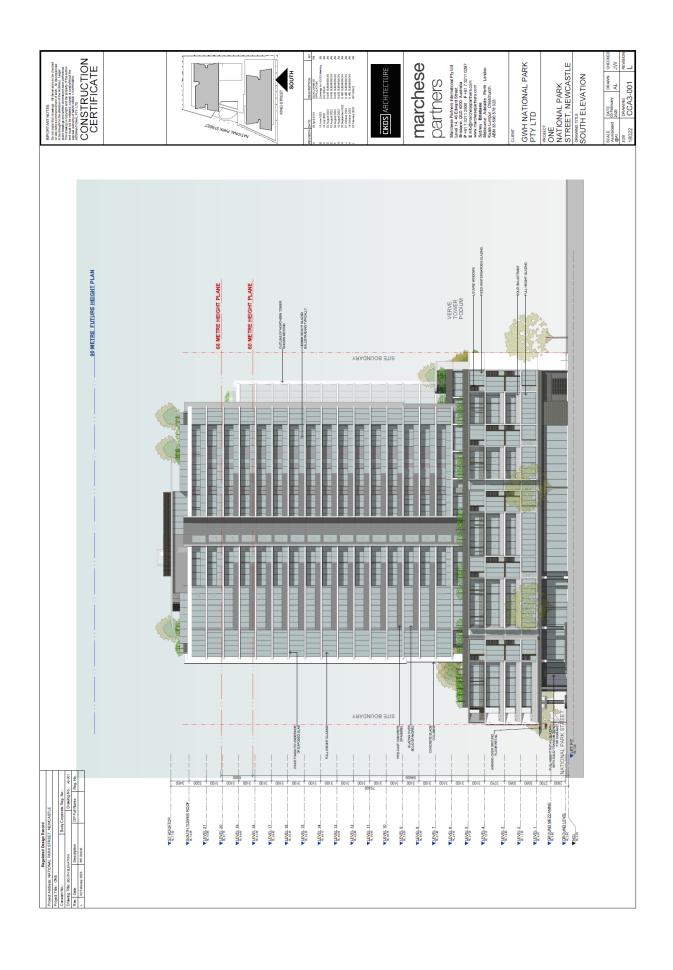


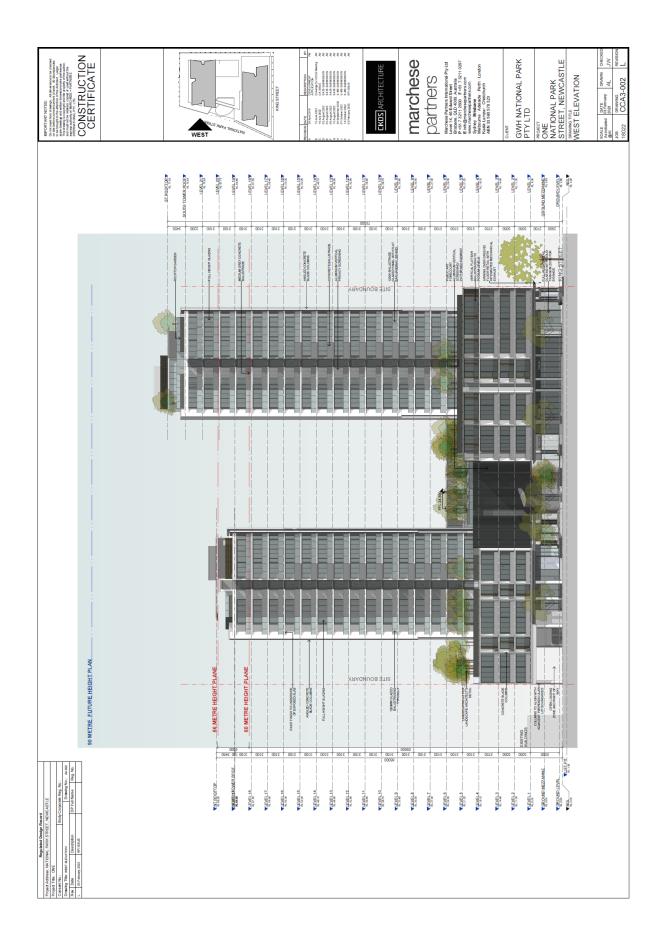


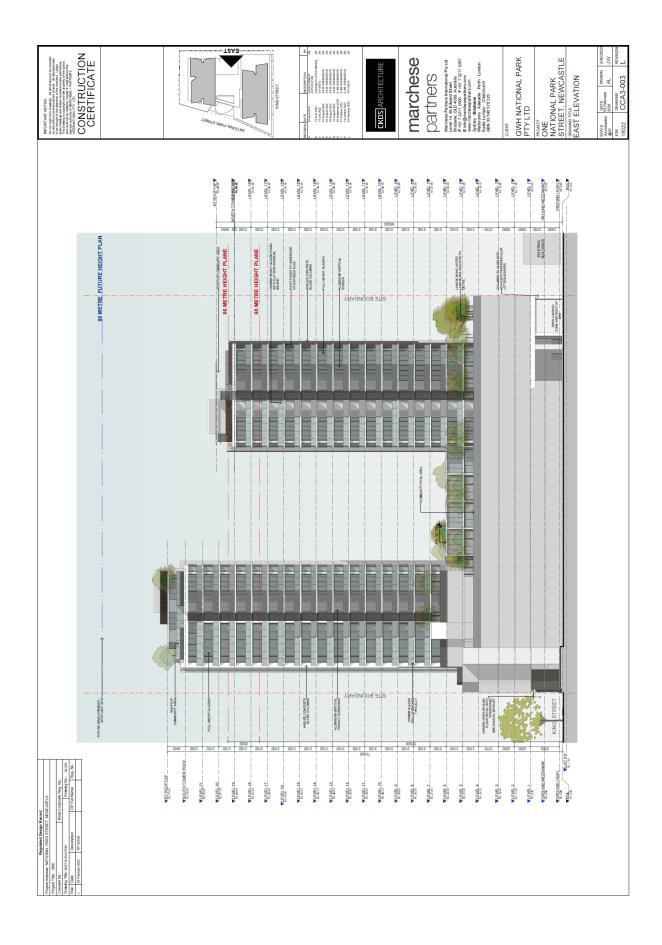




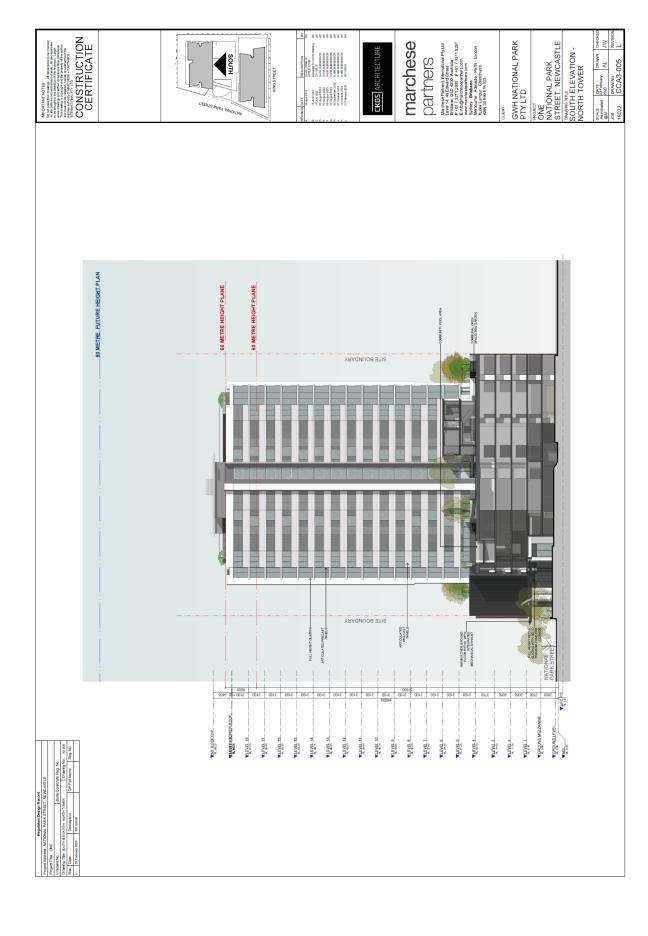


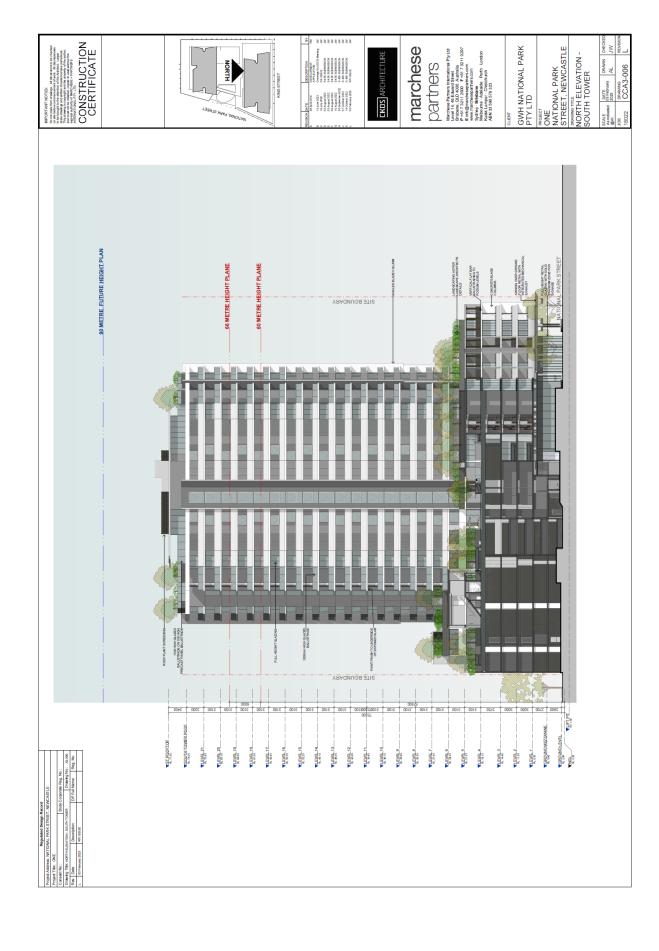


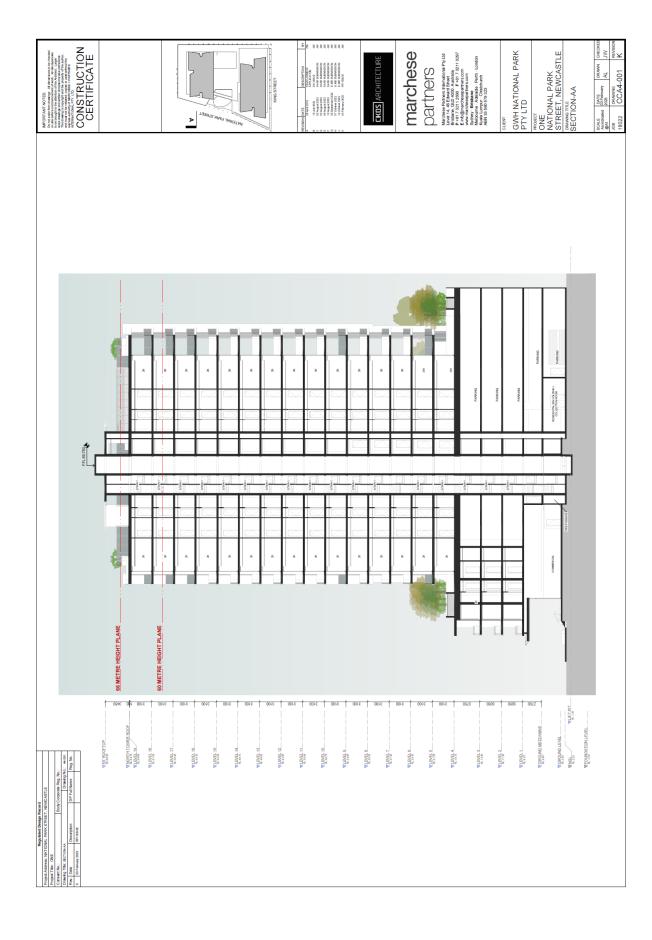


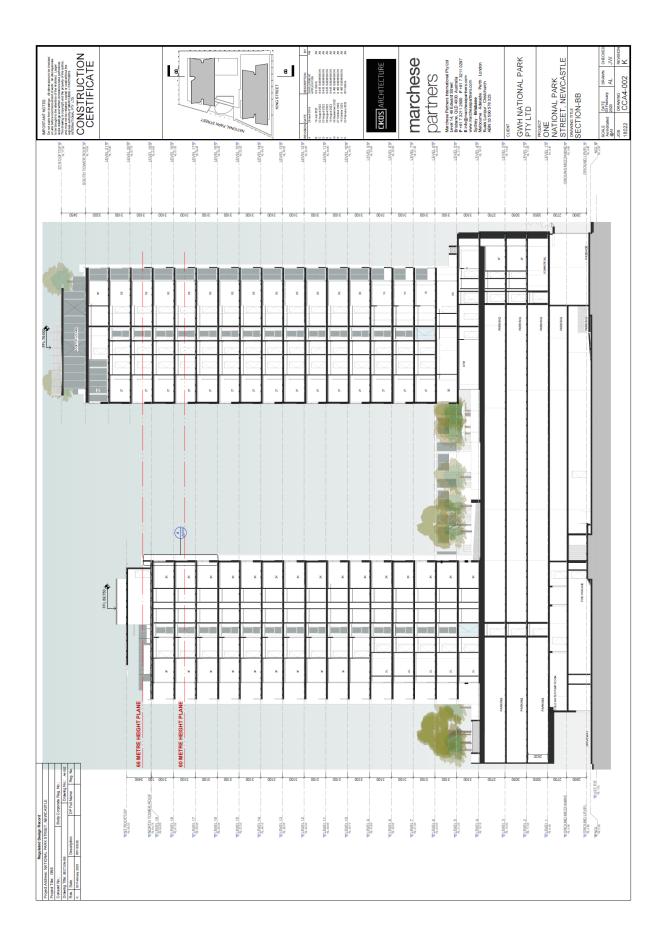


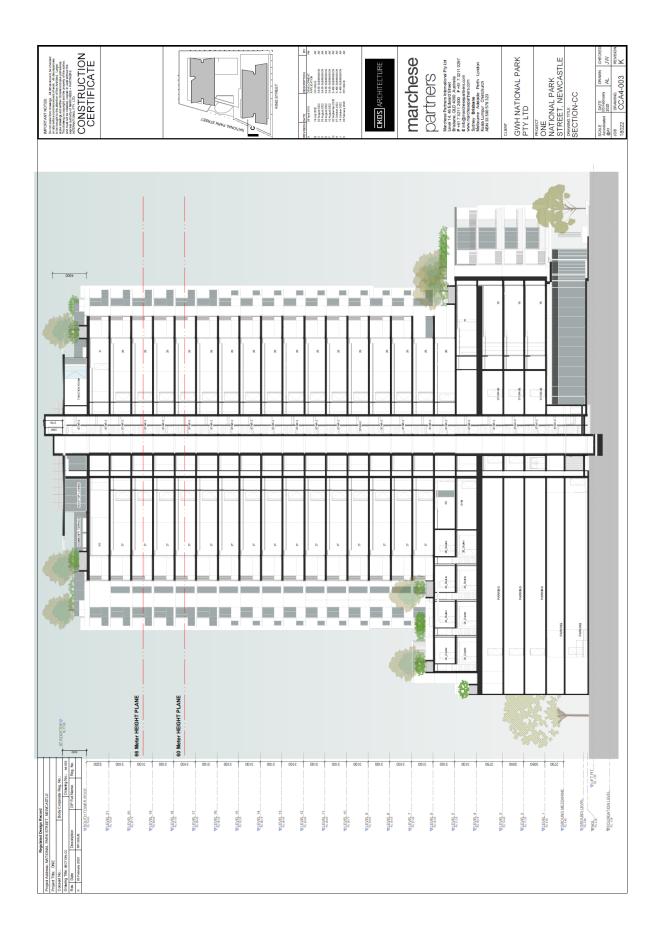


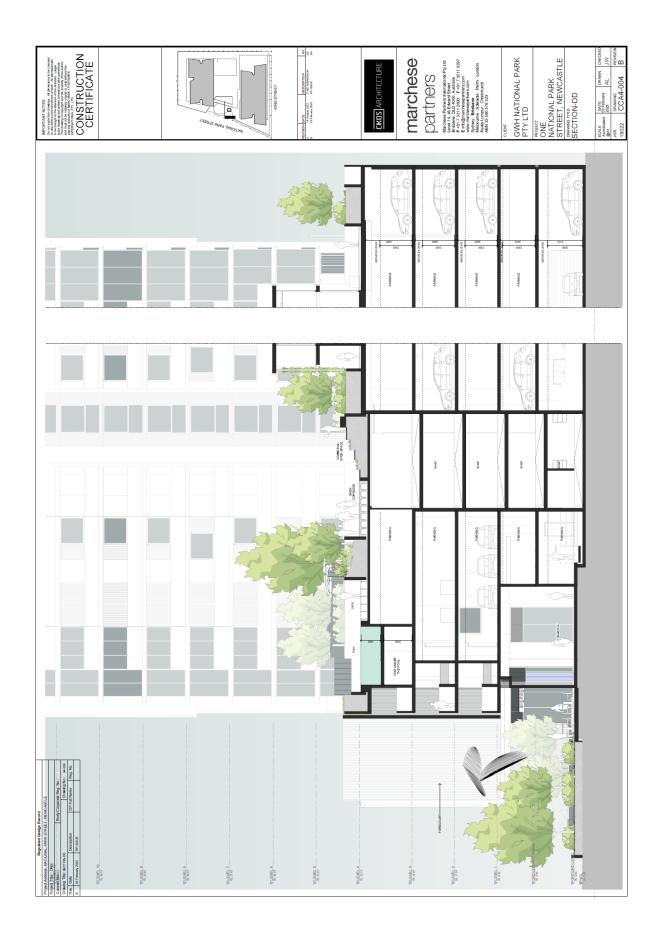


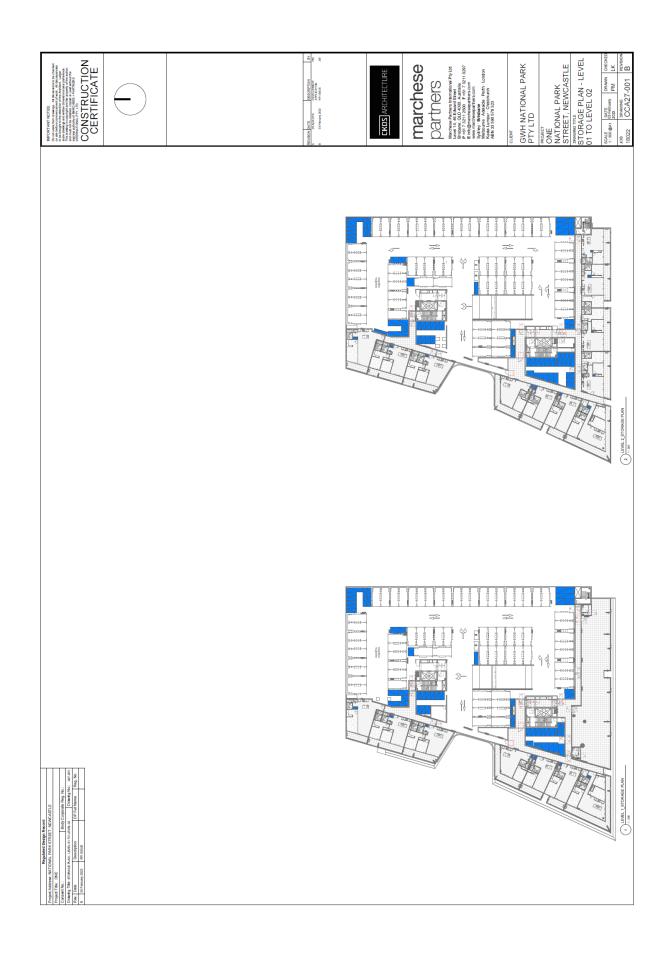










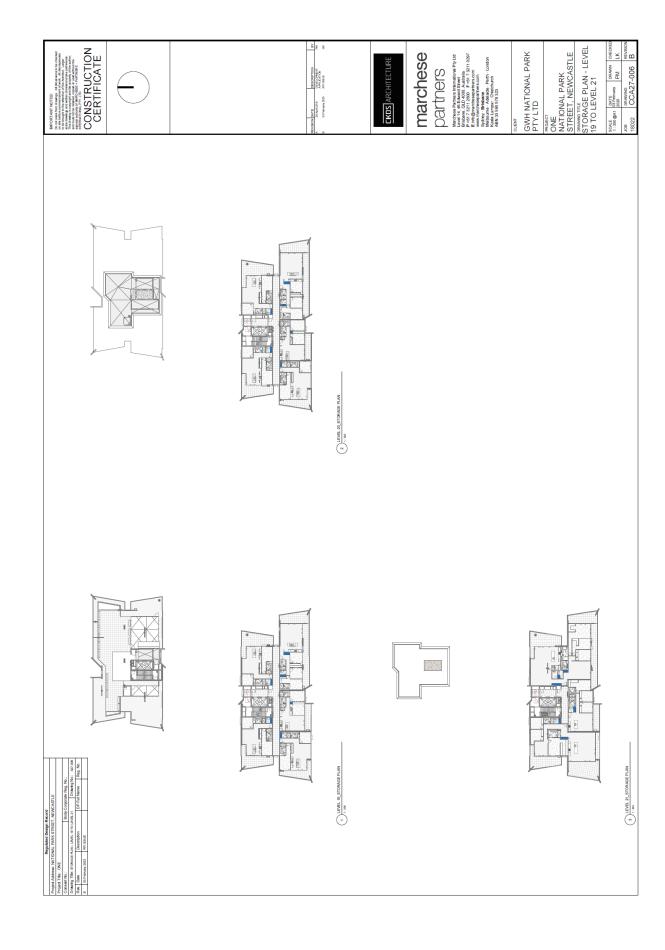


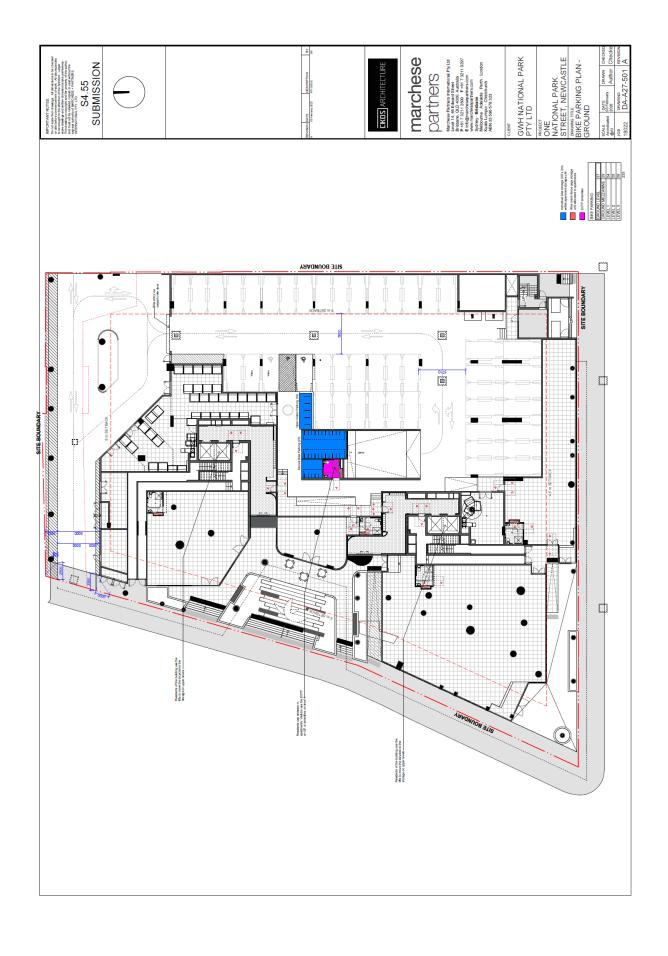


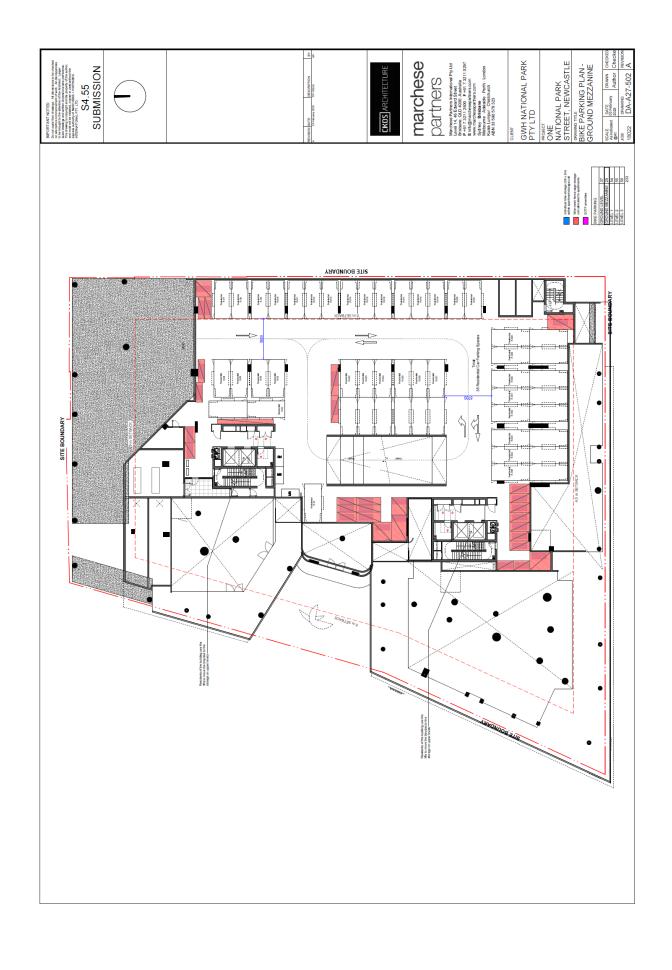








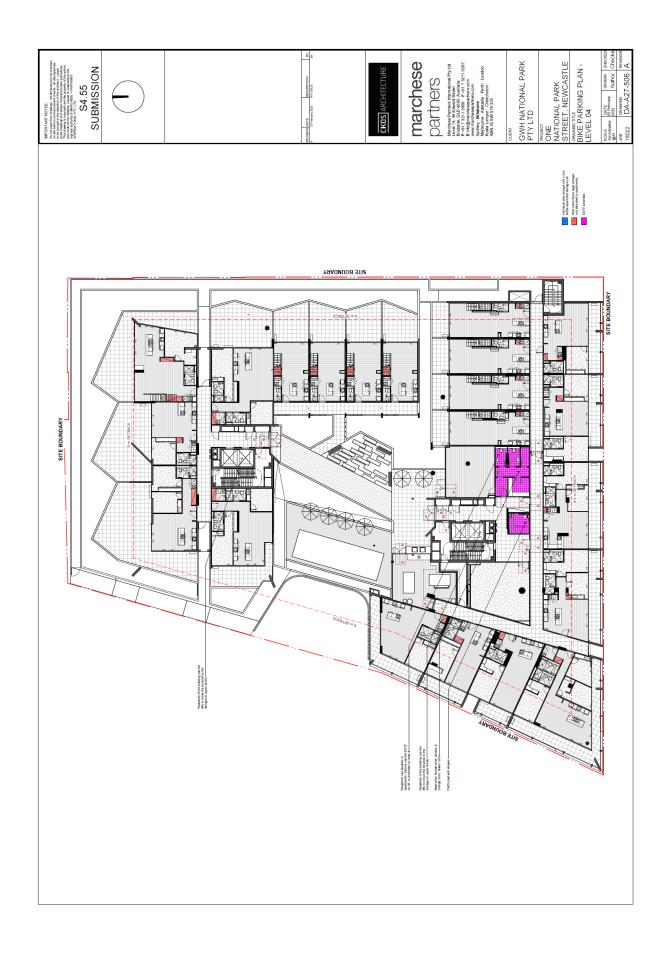












Attachment 2 – Newcastle City Council RFI – Traffic and Parking Summary

Hi Jeff,

Council have issued us a fairly hefty RFI in relation to our One National Park project, and there are a few items around traffic and parking. We have made the decision to show all those parks that were calling non-standards as stacked parking, which will increase our overall parking numbers. Council have requested the following in relation to traffic and parking that are relevant to you.

- The applicant is to submit an addendum traffic and parking report which reflects the
 proposed changes, including the additional car parking and traffic impacts. We will
 provide you with the updated plans once finalised, this might just be a check on
 widths and parking numbers etc- updating what we already have
- An operation management plan is to be provided which details how the stacked car
 parking for the commercial component will practically be managed. Have you done
 one of these for any other developments that can be used for this one?
- The applicant is to provide details of the residential bicycle allocation, this is to be specified within the amended reports and clearly nominated on the floor plans. – Will be shown on the plans, may just need to update report

Further to these, do you have any justification around not needing to provide end of trip facilities for a development of this type? Commercial space is minor and EOTF are rarely used in our developments.

Give me a call if you need any clarification.

Sam Coles

Town Planner

Attachment 3 – Draft Operational Management Plan – On-site Car Parking

Site: - ONE Mixed Use (commercial and residential) Building

Address: - 1, 17 & 19 National Park Street and 484 King Street, Newcastle West

Car Park Type: - Secure Private Car Park for residents, staff and invited visitors.

Security Control: – Roller Style Gate at Car Park Entrance on Ground Level – Swipe Card or Pass Code Security Entrance (to be determined).

Responsibility: - The building manager or an assigned representative will be responsible for the implementation and review of this Operational Management Plan

Management Strategies: -

- Ground Level Car parking for commercial tenant / staff and visitor parking as well as electric vehicle charging.
- 26 commercial spaces and 7 unrestricted visitor car parks and 13 electric vehicle charging stations provided.
- Commercial spaces, except the stacked commercial spaces, will be available for residential visitor use between the hours of 5 pm and 7 am daily.
- Stacked commercial spaces will be allocated to a single tenancy and the management of the use of these spaces will be the responsibility of the tenant or nominated representative and the tenancy staff.
- Stacked residential parks will be allocated to single units.
- Should issues arise with car parking allocation on ground level then the building management will employ a parking attendant to monitor and enforce the use of commercial and visitor car parking.
- Mezzanine Level parking to Level 3 parking will be assigned to residential unit parking.
- All disputes / enquiries regarding this operational management plan for on-site car parking and any other on-site car parking matters will be mediated and/or determined by the building manager with the decision of the building manager being final.