Attachment A

Response to Request for Additional Information

13 November 2020

Item	Request for additional Information	Project Response	Annexure Reference
Built Form	Further illustrate how future development within the proposed building envelopes would achieve satisfactory urban design outcomes and levels of amenity for the Doran Drive Precinct, particularly in respect to: (i) the interface between the 4-storey podium fronting Andalusian Way/Mandala Parade and the angled towers, Buildings G and F (ii) the transition from a 2 storey to a 4-storey podium along Doran Drive to Andalusian Way. Demonstrate the building separation distance between the proposed townhouses fronting Andalusian Way and Buildings P & R in Precinct East are sufficient to support good levels of residential amenity.	The future development in the Doran Drive Precinct would satisfactorily achieve good urban design and place outcomes with good levels of amenity. (i) The interface between the 4-storey podium fronting Andalusian Way/Mandala Parade and the above angled towers, Buildings G and F is a key focal point and contributor to the experience of the streetscape along Mandala Parade and arrival into the precinct from the Hills Showground station. Ensuring high levels of amenity on Mandala Parade and the surrounding public domain of the Station Plaza and Doran Drive Plaza has been the primary determinant in the provision of the podium heights and the angle of the building envelopes for the towers above the podium. The building envelopes for Buildings G and F ensure that: • The minimum proportions of the public spaces that are to achieve a minimum of 2 hours of sunlight between 9am and 3pm at the winter solstice (21 June), most notably, Doran Drive Plaza 100%, Station Forecourt 80%, and the Station Plaza 65%. • Views to the sky to the north are afforded from the station forecourt and from the public domain along Mandala Parade. • That the above podium interface to Mandala Parade is visually exciting and that the shorter length of building envelopes is what defines the interface above the podium. The Urban Design Guidelines (UDG) prescribe a number of conditions to resolve the interface between Buildings G and F and ensures that the principles and objectives of the Mandala Parade and Andalusian Way are achieved. The relationship between the towers podium and public domain is managed through: • Aligning vertical façade elements from the podium to the tower above, drawing the edge of towers down to and through the podium and using it to define material changes in the podium and/or where building entries can be located. • The podium is a constant for the length of the interface with the tower above, ensuring consistency across the broader precinct where a 2-4 storey podium with setback tower above is being prescribed.	Annexure B - Urban Design response to RFI - pages 2 to 6 Annexure C - Urban Design Guidelines - Section 4.2.11, Section 5.2.9 and Section 5.2.11

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	The Applicant shall consider appropriate Design Guidelines to secure the desired urban design outcome with respect to point (i) and (ii) above.	 Providing for a number of central communal open space areas that open towards the Mandala Parade frontage to drive further interaction between the public and private domain and further passive surveillance of Mandala Parade and the station plaza. Additional Design Guidance has been prepared for the Mandala Parade and Andalusian Way interfaces which demonstrates further how the objectives and controls of the UDG can be achieved. This additional design guidance for these two important interfaces are included in the revised Urban Design Guidelines under 4.2.11 - Street Interface. (ii) In reviewing the Urban Design Guidelines for Precinct East, we recommend that the 3m building separation between the townhouse apartments addressing the new local street and the new local park and apartment buildings P and R be removed. Instead, we propose to increase the building separation from 3m to 6m between the townhouse apartments and Buildings Q and M. This ensures that there is greater residential amenity for residents of the townhouse apartments, and other residents will benefit from a wider access way to the communal open space as well as any dwellings that are accessed from the communal open space. Connecting the townhouse apartments to Buildings P and R via a party wall for the first 3 storeys: delivers housing choice and diversity of built form within Precinct East maintains ADG compliance for cross-ventilation and solar access with townhouses ventilated via a rooftop terrace maintains ADG compliance for the adjacent apartments within Buildings Q and M does not impede the ability for the development lots to achieve deep soil requirements Additional design guidance has been prepared that demonstrates how floorplans for both the townhouse apartments and the adjoining apartments can satisfy the objectives and controls of the UDG and the solar access and cross ventilation requirements of the ADG. 	

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		Original Amended Original Amended Amended Figure 21: Photoc East - Building Squarton Figure 21: Photoc East - Building Squarton Molton Squarton Molton Squarton Figure 1: Urban Design Guideline Building Separation – Original vs Amended Comparison (COX Architecture, 2020)	
Design Guidelines	(i) Clarify the discrepancies between the reference to secondary setbacks in the Design Guidelines and the proposed building envelopes, including any projections such as balconies.	The podium allows for a secondary setback of 3-metres and includes balconies or other projection/ external finishes to be located within the podium space.	Annexure B - Urban Design response to RFI - page 11 Annexure C - Urban Design Guidelines - Section 5.2.13 and Section 5.2.14

ltem	Request for additional Information	Project Response				
	(ii) Confirm where the top of the bank is measured from in Part 3.2.6 Control 1.	The 35m distance was measured from the distance from the top of bank to the east site boundary for Precinct West, the 45 degrees was converted from the top of bank to a measurable metric as per the revised Urban Design Guidelines under section 3.2.6 – Building Transition.	Annexure B - Urban Design response to RFI - page 12			
			Annexure C – Urban Design Guidelines – Section 3.2.6			

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		Recidential Recide	
	(iii) Illustrate how the open space to the	The station forecourt achieves 90% of the minimum 2 hour solar access between 11:30am and 3pm during the winter solstice. The control was rounded down to 80% to allow for flexibility in design within the Doran Drive	Annexure B - Urban Design

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	west of the Metro station can achieve the stated 2 hours of solar access to 80% of the open space.	Precinct but should still seek to maximise solar amenity of the open space. The solar study was undertaken at 15-minute intervals as shown in the shadow diagrams and has been included as part of this revised Urban Design Report under the Shadow Studies section. Metro Station Solar Access June 21st 11:30am 11:45am 12:00pm 12:15pm 12:00pm 12:00pm 12:00pm 12:00pm 12:00pm 12:00pm 12:00pm 12:00pm 12:00pm 13:00pm	response to RFI - page 13 Annexure C - Urban Design Report - Section 9 Shadow Studies
	(iv) Clarify the application of the	Clarify the application of the proposed maximum car parking cap:	Annexure B - Urban Design

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	proposed maximum car parking cap and maximum car parking rates for the proposed housing and commercial uses.	The proposed maximinot apply to the non-rates. The residential car padwellings as proposed. This residential car paprecinct will be calculated. The final dwe A maximum re The Affordab. The residential cap is Guidelines across the Development Control. The car parking cap percinct and can supprinfrastructure provision. The information below proposed cap of 1,782. Bedroom Mix	residential component as the rking cap of 1,782 spaces* (ind in the concept SSDA 'Proof arking cap will not be exceeded at the dased on: Illing numbers and mix; atte of an average of one space le Housing car parking rates. also based on the required be entire Hills Showground Static Plan 2012 and accommodate provides certainty on the maxic port stakeholder decisions about the concept proof of Concept Distribution	ed as the number of car parking the per market housing dwelling the precinct. This bedroom mix is a range of household types to imum number of residential car parking the required future traffic in mum residential car parking cat the maximum Rate Applied	aximum per square metre d on the maximum 1,620 spaces required across the spaces required across the and ined in Urban Design adheres to The Hills of facilitate housing diversity. spaces permitted within the nodelling and future local p would not exceed the Number of Maximum Spaces	response to RFI - page 14 Annexure C - Urban Design Guidelines - Section 3.2.13, Section 4.2.12 and Section 5.2.16
		1 bedroom	25%	Average of 1 space per apartment	405	

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		2 bedrooms	55%		891		
		3 bedrooms	20%		324		
			100%		1620 spaces		
		Visitor Parking		1 space per 10 apartments	162 spaces		
		Total Residential Cap			1782 spaces		
		 The final dwe The final dwe with the appr the Urban De The maximum The proposed 	oved Concept SSDA building sign Guidelines for one, two a rate of an average of one sport rate aligns with the strategic	ration and built form, may vary envelopes. The bedroom mix hand three bedroom dwellings, acceper market housing dwelling vision of a future local centre after strategic centres like Castle h	as also been prescribed in ross the three precincts. g: t the Hills Showground		

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		Proposing an average of one car parking space across all bedroom mix rather than applying a maximum rate based on the bedroom unit type, allows for flexibility for the future developer to apply the maximum average of one parking space strategically to meet the future demographic need and ongoing modal shift towards a more a sustainable transport outcome.	
		We have assessed the proposed maximum residential car parking rate against several State and local guidelines and plans. The following minimum residential car parking controls are applicable to the site according to the Roads and Maritime Services (RMS) Guide to Traffic Generating Developments - Metropolitan Sub-Regional rates:	
		o 0.6 space (for one-bedroom dwellings);	
		o 0.9 space (for two-bedroom dwellings); and	
		o 1.4 spaces (for three-bedroom dwellings).	
		These minimum rates would have less of an impact on modal change and provides developers with no requirements to deliver lower parking provisions. Whereas, the proposed maximum creates greater certainty and encourages a modal shift to other sustainable transport options to minimise impacts on the surrounding road network.	
		Taking the average of the minimum RMS rates above, the average rate per dwelling could be regarded as 0.96 (minimum) when compared to our proposed rate of an average at 1 (maximum). Our proposed visitor parking rates of 1 per 10 dwellings (in comparison to RMS' guide of 1 car space per five or seven dwellings) offsets the reduction of residential parking and therefore reduces the average rate per unit to 1.08 - 0.3 lower when compared to the RMS average at 1.11.	
		It should be noted that trip rates will not be affected as the RMS Technical Direction uses trip rates of 0.19 and 0.15 per dwelling during morning and afternoon Peak hours, based on an average car parking rate of 1.24 car spaces per unit and maximum car parking rate of 1.6.	
		The minimum rates proposed still comply with the RMS <i>Guide to Traffic Generating Developments</i> as required by the Apartment Design Guidelines and <i>State Environmental Planning Policy No.65</i> (SEPP 65) with the proposed minimum rate for three bedroom dwellings reduced from a car parking rate of 1.2 to 1 (as discussed with TfNSW (former Roads and Maritime Services) on 10 September 2020) to avoid confusion between the maximum average of 1 car space.	

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		Development Control Pla were applied. The proxin	The proposed cap in residential parking spaces is significantly below the requirements of The Hills Development Control Plan 2012, which means traffic congestion will be less than if these requirements were applied. The proximity and frequency of the metro services will also be a contributing factor in reducing the traffic impacts of the proposal.				
		1900 (exhibited concept	It is also worth noting that in response to submissions the number of dwellings were reduced from 1900 (exhibited concept proposal) to 1620 dwellings (current concept proposal), which resulted in between 268 and 404 less residential parking spaces, further reducing the traffic impacts of the proposal.				
		The Affordable Housing	The Affordable Housing car parking rates:				
		The final number of Affo The car parking for Affor (Affordable Rental) Hous	The concept SSDA proposes a minimum 5% of Affordable Housing of dwellings across the precinct. The final number of Affordable Housing will depend on the detailed design location and configurations. The car parking for Affordable Housing is in accordance with the State Environmental Planning Policy (Affordable Rental) Housing) 2009 (ARHSEPP) with a proposed maximum of one space per ten dwellings for visitor parking.				
		An example of how the 5 parking cap of 1,782 (and		ate may be applied to the maximom mix) follows:	num residential car		
		5% of Affordable Housing (81 dwellings)	Proof of Concept Distribution	Maximum Rate Applied as per ARHSEPP 2009	Number of Maximum Spaces		
		1 bedroom	25%	0.4	8		
		2 bedrooms	55%	0.5	23		
		3 bedrooms	20%	1	16		
			100%		47 spaces		

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		Visitor Parking		1 space per 10 apartments	8 spaces			
		Total Affordable Housing			55 spaces			
		reduction of 26 spaces (81	The table shows that 55 spaces are required for the 81 Affordable Housing dwellings, this results in a reduction of 26 spaces (81 minus 55) to the maximum residential car parking cap of 1,782 spaces (including visitors) totalling to 1,756 spaces (including visitor parking).					
		This maximum residential of applied (1 space per 150 sp		e further reduced if 'shared park	ring' were to be			
		Clarify the maximum car parking ra	Clarify the maximum car parking rates for the proposed housing and commercial uses					
		In summary, the maximum car park	ring rates for market hou	using and commercial uses follo	DWS:			
		Residential (market housin	g)					
		o average of 1 space	per 1 bedroom					
		o average of 1 space	per 2 bedrooms					
		o average of 1 space	per 3 bedrooms					
		o 1 visitor space per	10 apartments					
			Affordable Housing as per the State Environmental Planning Policy (Affordable Rental Housing) 2009 (except for the visitor parking)					
		o 0.4 space per 1 bed	o 0.4 space per 1 bedroom					
		o 0.5 space per 2 be	o 0.5 space per 2 bedrooms					
		o 1 space per 3 bedro	ooms					
		o 1 visitor space per	10 Affordable Housing a	partments				

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			 Retail 1 space per 60sqm GFA Commercial/ office 1 space per 60sqm GFA. *Shared vehicles remain unchanged with a maximum 14 spaces that will offset maximum 42 parking spaces for both market housing and non-residential uses. A ratio of one space per 150 car spaces for residential and one per 80 car parking spaces for commercial developments for the site is proposed. 	
	(v)	Further consult with TfNSW (RMS) regarding an appropriate car parking rate for the proposal, considering the site's location next to a new Metro Station.	 Landcom has been in consultation with TfNSW (former RMS) on the proposed maximum residential car parking rates - an average of one space per market dwelling including a maximum residential cap of 1782 spaces (1620 spaces plus 162 visitor spaces). During our recent consultation following lodgement of the Response to Submission, a number of matters were considered by TfNSW as outlined below, our response to each matter are as follows: To align with the Castle Hill North 'strategic centre' maximum residential carparking rates as a benchmark Our review showed a minimal difference between the Castle Hill North maximum 'strategic centre' rates and our proposed maximum residential carparking rates, with an additional 119 spaces. We recommend that the Castle Hill North 'strategic centre' rates should not be applied to an emerging future local centre surrounded by generally lower density like the Hills Showground Station Precinct. We consider our proposed maximum rates to be reasonable and provides for a viable market benchmark in the area but still allows for flexibility into the future when travel behaviour shifts. Further complementing Castle Hill's role as a 'strategic centre' with a significant number of jobs, retail and services located in walking distance within the centre. To align with the Parramatta Road Corridor Urban Transformation Strategy as a benchmark The Parramatta Road Corridor and Hills Showground Station precinct context is not comparable, as Parramatta Road is viewed as an established inner-middle ring urban environment with frequent accessibility to greater public transport options. It is also located closer to greater number of services and amenities. 	

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		 To remove the 'minimum' residential car parking rates The 'minimum' rates are still proposed to comply with the RMS Guide to Traffic Generating Developments as required to be addressed by the Apartment Design Guide and SEPP 65. The minimum rate for 3 bedrooms has been reduced from a rate of 1.2 spaces to 1 space following discussion with TfNSW on 10 September 2020. The delivery of future local infrastructure such as new cycle trails, additional Metro station routes and alike, will change travel behaviour and support the provision of the lower parking rates. That the proposed residential rate will set precedent in the area We view the proposed rates as a positive precedent in the area We view the proposed rates as a positive precedent in the area when compared to the existing minimum of 1 space per dwelling as identified in The Hills Development Control Plan (Showground Station Precinct). Our proposed rate of an average of 1 space per dwelling is set as a 'maximum' rate with the revised minimum rates allowing developers to achieve lower parking rates in the future as travel demand shifts. To consider a shared parking arrangement with non-residential spaces and visitor parking outside of normal business trading hours. There are a number of factors to consider but ultimately this would be a burden to Doran Drive Precinct (DDP) to accommodate the proposed shared parking arrangements as the 162 visitor spaces relates to the entire Hills Showground Station Precinct and the non-residential uses are predominately within DDP. The additional traffic as a result of this arrangement and use is likely to be in higher demand during weekends/ off peak times. Further, residents with additional household vehicles could park for longer periods and this arrangement will require a process for regulating. However, during consultation we have also aligned our approach with TfNSW recommendations: To apply a maximum capped quantum Our Response to Submiss	Reference
		o At a rate of an average of one space per market housing apartment; and	

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		 The Affordable Housing car parking rates. To reduce the Metropolitan Regional (CBD) Centre maximum for three bedrooms to 1 space (instead of 1.2 spaces) We have adopted a minimum of 1 space for the three bedrooms (instead of 1.2 spaces) to avoid confusion and to align with the proposed maximum rate – an average of 1 space per dwelling. To ensure Affordable Housing rates are applied as a maximum The proposed carparking provision for Affordable Housing is in accordance with the State Environmental Planning Policy (Affordable Rental) Housing) 2009 (ARHSEPP). The ARHSEPP applies only a minimum rate, and we have ensured the Affordable Housing carparking rate to be 'maximums' including a maximum of one space per ten dwellings for visitor parking. To include Response to Submission (RtS) recommendations such as decoupled parking, electric vehicles, car share schemes etc. These measures were included as part of our RtS Transport and Traffic Impact Assessment (prepared by SCT Consulting) and recommended for future detailed design SSDA applicants to address these measures as part of their Travel Plan. It was acknowledged by Landcom and TfNSW that the retail, commercial and visitor rates are suitable for the precinct and aligns with the merits of the proposal to support a place-based outcome Transit Orientated Development by reducing reliance on private vehicles and to help support TfNSW meet their strategic objectives. 	
Affordable Housing	(i) Provide details on the delivery and distribution of the proposed affordable housing, particularly with respect to each stage of the	Delivery: The concept proposal designates a minimum 5% of future residential dwellings as Affordable Housing. Requirements and design consideration for Affordable Housing are included in the Urban Design Guidelines. The location(s) and configuration(s) of these dwellings remain flexible until detailed design is created and may occur on any or all the associated development lots.	

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	m. be	evelopment to aximise the public enefits associated ith the proposal.	The apartment mix controls will ensure there is a mix of dwelling types, providing housing choice for the future demographic living needs and a range of household budgets. Distribution: The location and configuration consideration for Affordable Housing dwellings is flexible as long as the 5% minimum is met across the precinct and may occur on any or all of the associated development lots. This control has been included in the Urban Design Guidelines and this approach is also part of the property transaction process. Where the Affordable Housing component is to be delivered by the successful purchaser in partnership with a registered Community Housing Provider the requirement will also be on title. If the affordable housing is consolidated a delivery strategy for any remaining affordable housing that is not accommodated within the consolidated site will be prepared to ensure the minimum of 5% is able to be achieved.	
	fo ye af be an Ho re sti	rovide justification or the proposed 10 ear tenure for fordable housing eing managed by a Affordable ousing Provider in espect to any rategic plan ad/or government blicy.	The proposal for a minimum of 10 years is generally considered preferable across the industry and allows reasonable time for Community Housing Providers to review their housing stock and allows local government to review their housing strategic directions and assess property conditions. The project makes the best use of government land and significant investment in infrastructure. The proposed timeframe aligns with the <i>State Environmental Planning Policy (Affordable Rental Housing) 2009</i> which requires In-fill Affordable Housing be applied for 10 years from the date of the issue of the occupation certificate (<i>Part 2 New affordable rental housing, Division 1 In-fill affordable housing, Clause 17 (1)</i>). Landcom may explore other options to retain some or all of the Affordable Housing stock longer than the minimum of 10 years, subject to further investigation and agreement across the Sydney Metro Northwest Places Program. However, at this stage flexibility is required to ensure a positive outcome for what is still a fledgling industry that we are looking to support.	
Other	He ind in	mend the Building eights Plan to clude both height storeys and etres to be	The Building Heights Plan has been amended to include the maximum height in both storeys and metres.	Annexure B - Urban Design response to RFI - page 15

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	consistent with the proposed Design Guidelines.	Performance to Casa Creek Refer to United Remarks of Casa Creek Refer	Annexure C - Drawing Set for Approval - page 18
	(ii) Clarify how the additional community facilities contribution identified in the Social Infrastructure Report will be secured and the timing of the contribution.	Timing/ when will the community use be required? The Social Infrastructure Assessment (SIA) identified the need for a combined community centre and library space (community facility) of around 500 square metres based on the Hills Showground Station Precinct proposed residential population of 3,570 people (or to the development potential of up to 1700 dwellings). The SIA applied the benchmark of 80 square metres per 1,000 people for community use and the NSW State Library Population Based Calculator for the library space. Which development does secured delivery apply to? The community facility shown in the concept proposal is in the Doran Drive Precinct as this will be the heart and central hub of the Hills Showground Station Precinct.	

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		The delivery of the community facility has been secured contractually and will be delivered as part of the Doran Drive Precinct. The ownership and management approach for the community facility will be outlined in the detailed design.	