



Ref: L34224/PAK/22-151

9 December 2024

Jeff Nichols Town Planning
PO Box 830
COORPAROO QLD 4151

Attention: Mr Jeff Nichols

Dear Jeff

**Re: Clarification of Noise Barrier Requirements (Council)
Proposed Childcare
1-23 Crowson Lane
MUNRUBEN**

Further to your request I wish to provide the following clarification with respect to the revised noise barrier designs for the above childcare centre. This letter has been prepared in response to a request from Logan City Council for confirmation that the noise barriers shown on the plans before Council achieve the noise requirements of the Planning Scheme.

The site plan which is before Council is included as **Attachment 1** to this letter and identifies (i) a 1.8 metre high barrier element adjacent the northern side of the carpark and (ii) 1.8 metre barrier element extending from the northwest corner of the building in an eastward direction through to the easternmost extent of the outdoor play area. This barrier adjacent the building and play area is set in from the northern boundary.

Previous reporting prepared by MWA Environmental as submitted to Council had noise barriers along the northern boundary, subsequently, with changes to noise barriers as a result of TMR requirements, the noise barrier to the northern side of the outdoor play area was changed to bring the barrier in off the boundary.

The barrier now proposed adjacent the building and outdoor play area is 1.8 metres in height whereas in earlier reporting submitted to Council in 2023, for a different site layout, a 2 metre barrier was proposed along the northern boundary. MWA have assessed the amended barrier design shown in **Attachment 1** and confirm that compliance with Logan City Council noise requirements is achieved.

Further, a noise barrier is most effective when either closest to the noise source or the receiver. In this instance the barrier has been moved off the boundary, to the edge of the outdoor play area and is thus more effective at the source and a lower height of 1.8 metres is all that is required.

I confirm that the amended layout, with a 1.8 m barrier to carpark stepped and off the boundary and a 1.8 m barrier from the building, eastwards to the edge of the outdoor play area (set in from the boundary), achieves compliance with Council planning scheme noise requirements.

Please contact the undersigned for any clarification of the above.

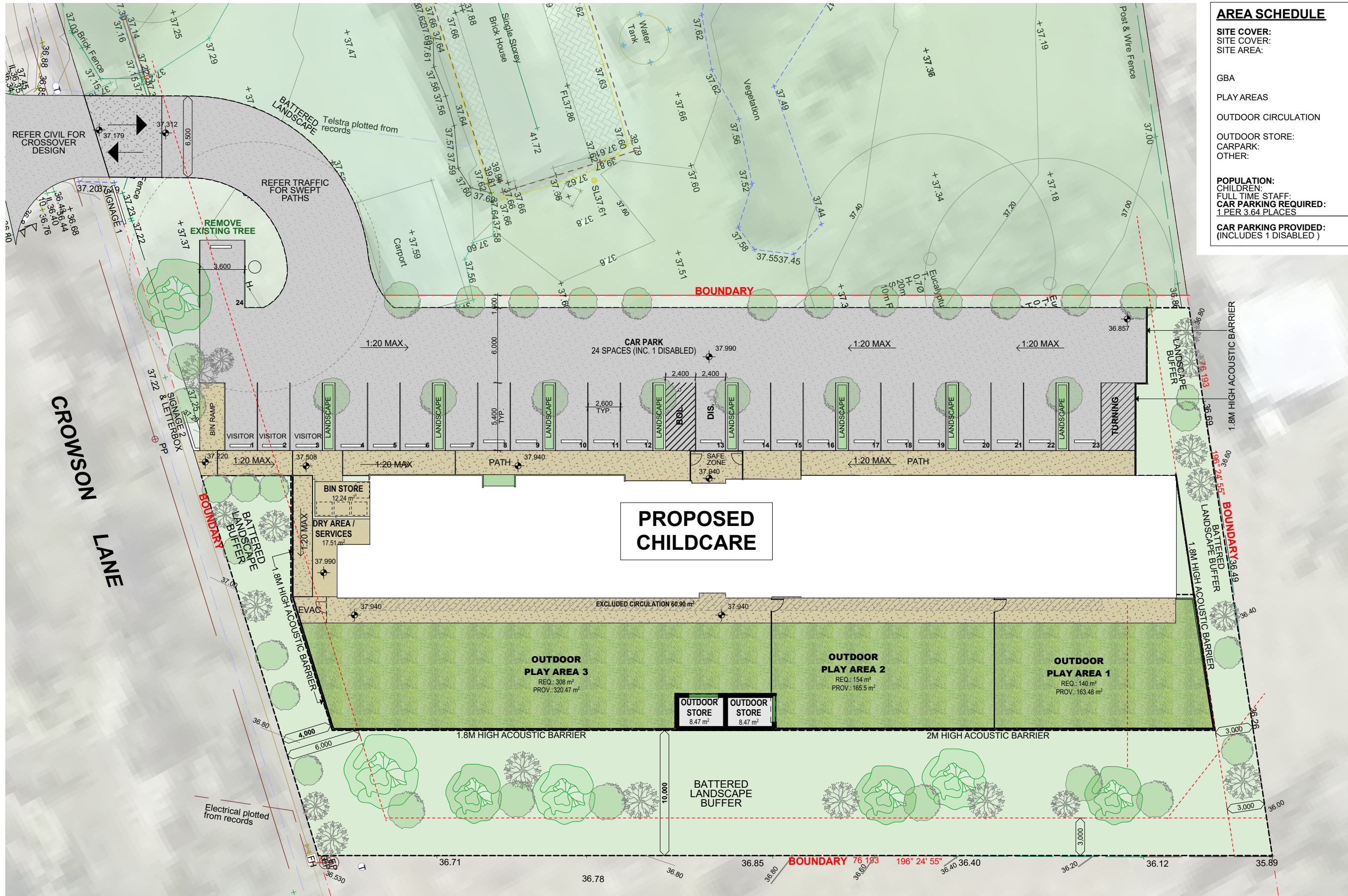
Yours sincerely

A handwritten signature in black ink, appearing to be 'PKg', enclosed within a hand-drawn oval shape.

Paul King
Principal Engineer

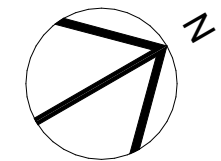
ATTACHMENT 1

Site Plan



AREA SCHEDULE	
SITE COVER:	16.9%
SITE COVER:	700m²
SITE AREA:	4162m²
GBA	620m²
PLAY AREAS	650m²
OUTDOOR CIRCULATION	61m²
OUTDOOR STORE:	24m²
CARPARK:	839m²
OTHER:	1968m²
POPULATION:	
CHILDREN:	86
FULL TIME STAFF:	14
CAR PARKING REQUIRED:	
1 PER 3.64 PLACES	24
CAR PARKING PROVIDED:	24
(INCLUDES 1 DISABLED)	

SITE PLAN
1:300



DA ISSUE
NOT FOR CONSTRUCTION

30/10/2024