

Traffic Solutions Pty Ltd

2 November 2011
Reference No: 04.05.227



The General Manager
Warringah Shire Council
725 Pittwater Road
Dee Why NSW 2099

Attention: Mr. Alexander Keller

Dear Sir

Revised Supplementary Parking and Manoeuvring Statement – Covenant Christian School, Belrose

Traffic Solutions Pty Ltd has been requested by the Covenant Christian School to review the revised proposal for Phase 2 of the improvements to the Covenant Christian School off Forest Way Belrose.

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This assessment has been undertaken with reference to further amended plans prepared by MCA Architects (Job No. 2565.3 revision 11 dated 1/11/2011).

Traffic Solutions prepared a Traffic and Parking Report in February 2007 which assessed the traffic and parking impacts of the future expansion of the school up to 900 students including 80 year 12 students plus 72 staff. This report calculated that approximately 79 parking spaces would be required for the staff (1 for each staff member) and students.

The amended proposal provides a combined on street (Dell Street) and off street parking total of **94** spaces (48 on Dell Street, 34 in bus turn around area and 12 unformed spaces near block G) for 900 students and 80 staff. Which assuming the same number of year 12 students would result in a requirement of 87 spaces

Recently, Council approved and erected 'No Parking' restrictions in the cul-de-sac bulb of Dell Street. This restriction permits the dropping off and picking up of children which will reduce the demand on parking in Dell Street.

Considering the 'No Parking' zone and the length of on street kerbside parking available adjacent the school on Linden Avenue, Bundaleer Street and Waldon Road the number of car parking spaces proposed is considered to be sufficient.

The revised proposal, without the Bus Bay referred to in the 2007 Traffic Report, intends to continue the use of the existing school grounds for the school buses drop off and pick up for buses up to the 19m articulated bus (bendy bus). This arrangement has been operating for some time including parking within the school grounds. This proposal increases parking on site to 46 on site parking spaces.

To ensure that the articulated buses that are currently being used the proposed parking layout on site has been assessed using the AUSTROADS 2006, 19m articulated bus turning path in the AUTOTRACK software programme. The dimensional characteristics of this vehicle are pre-programmed into the AUTOTRACK software. This procedure has revealed that the 19m articulated bus can circulate around the centrally located parking spaces with a minimum 600mm clearance on both sides of the extremities of this vehicle (including front over hang).

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A copy of the AUTOTRACK generated turning path of the 19m articulated bus circulating within the site is attached for Council's review. An electronic AutoCAD version is also available if required.

In addition, all north bound buses in the afternoon pick up students on Forest Way. This was done in consultation with Forest Coach Lines, Warringah Council and the RTA in 2009. This has been operating since without incident and is supervised by two regular staff. It is also within a RTA 40 km school zone with flashing lights and a designated bus stop and shelter.

To ensure that buses do not queue from the bus bay into traffic lanes on Forest Way the school in consultation with Forest Coach Lines has developed a bus waiting bay on the northern side of Waldon Avenue (adjacent the school sporting fields). This arrangement is identified on the revised plans and it is proposed to monitor this situation with a formal review in approximately 6 month's time.

I trust that this additional information is sufficient for Council to continue the assessment of this application.

Should you require any additional information or clarification of the contents of this letter please contact me on the numbers provided.

Yours sincerely

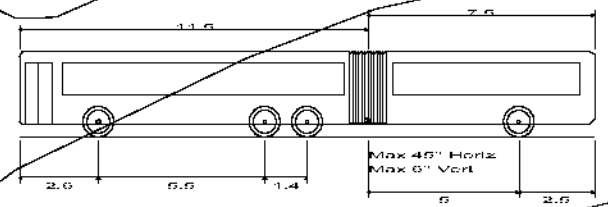
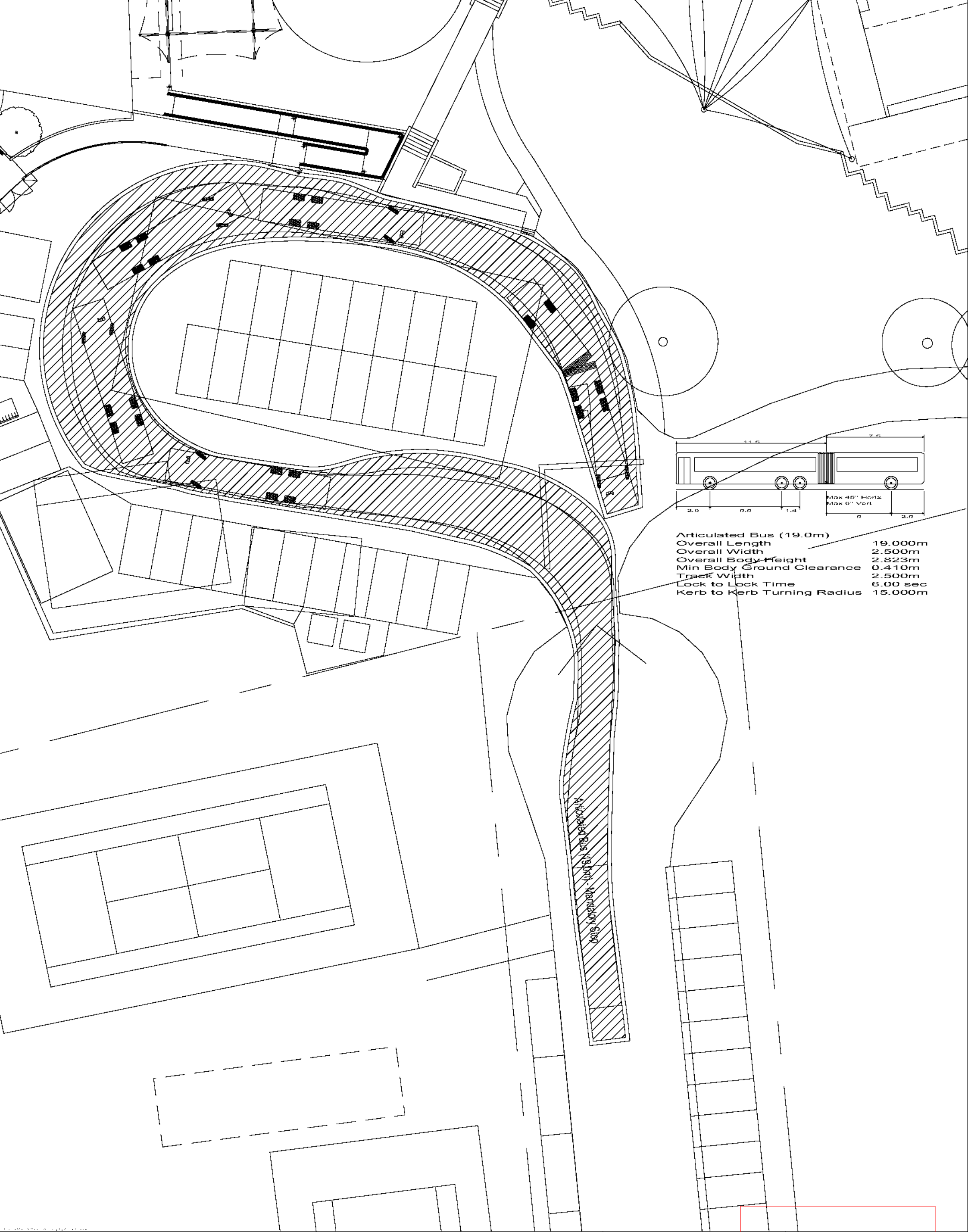


Craig Hazell
Director

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Articulated Bus (19.0m)	
Overall Length	19.000m
Overall Width	2.500m
Overall Body Height	2.823m
Min Body Ground Clearance	0.410m
Track Width	2.500m
Lock to Lock Time	6.00 sec
Kerb to Kerb Turning Radius	15.000m

Notes:

AUSTROADS 19m bendy bus turning path in further revised car park with 600mm clearance line

Title:	Covenant Christian School Belrose	THIS PLAN TO BE READ IN CONJUNCTION WITH Scale: 1:250 Date: 2/11/2011 Prepared: DA2010/1949 Checked: Craig Hazell WARRINGAH COUNCIL
Client:		
Dwg No:		