



Waste Audit & Consultancy Services (Aust.) P/L

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8th October 2018

Attention: Katherine Longhurst
Perumal Pedavoli Pty Ltd
Level 2
458 Wattle Street Ultimo
NSW 2007

E: katherine.longhurst@pp-a.com.au

Dear Katherine,

Re: Penshurst Public School Upgrade Operational Waste Management Plan - Review

Waste Audit and Consultancy Services (WACS) was engaged by Perumal Pedavoli Architects to:

- Undertake a peer review of the Operational Waste Management Plan that was prepared by Root Partnerships (Revision 3, dated February 2018) for the Penshurst Public School Upgrade.
- Provide a cover letter which summarises the review and proposes solutions to achieve a compliant means of entering and exiting the site to collect waste within the projects current constraints.
- Seek a proposal from a private waste collection company which endorses your proposal and undertakes the swept path analysis works. If they are unable to undertake these detail swept path testings please let me know as soon as possible as I will have to seek this from out Traffic Planners.

WACS was founded in 1991. The company has extensive experience in the waste management and environment industry. We take pride in our knowledge and experience in all facets of the waste management industry, including the waste pathway from point of generation to collection, transportation, treatment and disposal and waste minimisation and diversion practices.

WACS has worked with a number of developers in the preparation of waste management plans and advising as to waste systems for the various waste streams/types that are generated and assisted in documentation for planning approval.

In order to undertake the review and provide the requested information, we reviewed the following:

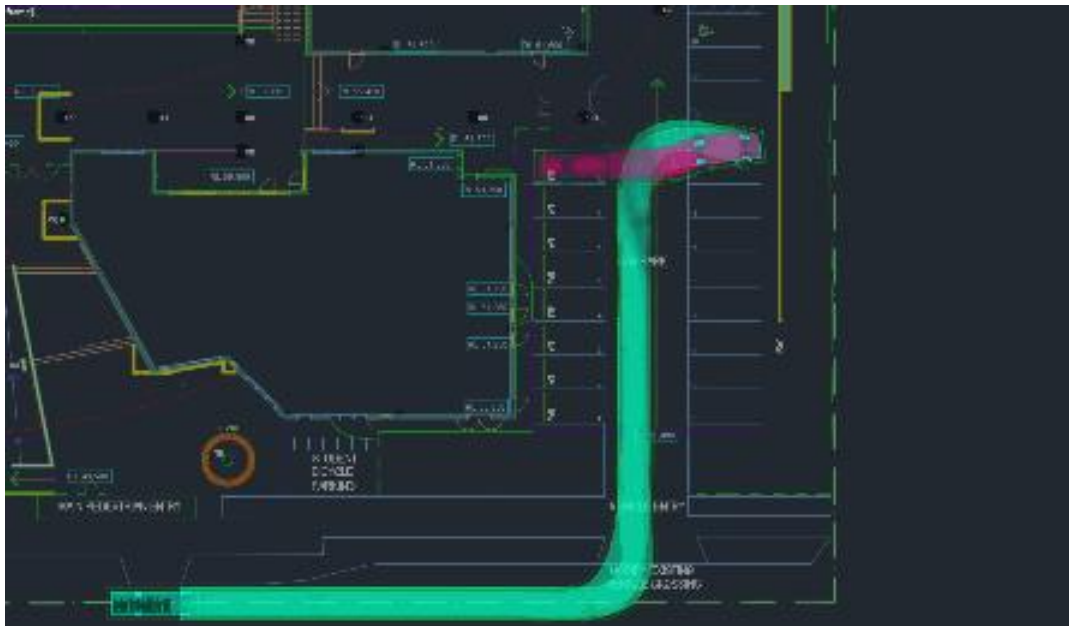
- Existing Operational Waste Management Plan (Dated February 2018).
- Architectural drawings (Dated August 2018).
- Swept path analysis.
- Statement from a waste contractor as to the appropriateness of the swept path analysis in regards to servicing the development.

Based on our analysis of the provided Operational Waste Management Plan, development profile and other documents, we confirm that the estimated waste profile (types and volumes of wastes/recyclables generated per day), and the requirements for waste storage are correct and represent what we would have calculated.

In addition, the management systems outlined in the Plan are appropriate for the types and volumes of wastes/recyclables that would be generated and are similar to what would be expected in other similar school developments.

In regards to the swept path analysis, advice was sought from ptc consultants who provided details and diagrams for the turning path for the waste vehicle to service the school. This in turn was forwarded to a private waste contractor, who endorsed the analysis and indicated that it was appropriate for the type and size of waste collection vehicle that would be used for the bin types and collection location.

The following illustrates the turning path that utilises car parking spaces within the school grounds.



It is proposed that servicing of the waste/recycling bins will occur outside of school operating hours and as such should not impact on the use of the car parking spaces.

As indicated in the Operational Waste Management Plan, this method is similar to the waste collection method currently used by Penshurst Public on the existing site.

The private waste contractor has advised the following:

Based on the plans provided I can confirm that the Waste Wise Mini rear loader 2.08m in height, 6.4m in length and 1.7m in width is the most suitable vehicle to service this complex.



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Our vehicle will be able to enter and exit the complex in a forward motion. The driver/jockey will transfer the bins from the bin enclosure to the truck, service the bins and return the bins as they were in a safe and timely manner.

In summary the reviewed Operational Waste Management Plan is appropriate and the swept path analysis is also appropriate for this development. As such, there is no need to provide any alternate solution.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'Trevor Thornton', is positioned below the text 'Yours sincerely,'.

Dr Trevor Thornton

Senior Consultant

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E: trevor@wasteaudit.com.au