



VETERANS MEMORIAL PARKWAY NOISE STUDY

Dundas Street to Trafalgar Street



Civic Works Committee

October 7, 2013

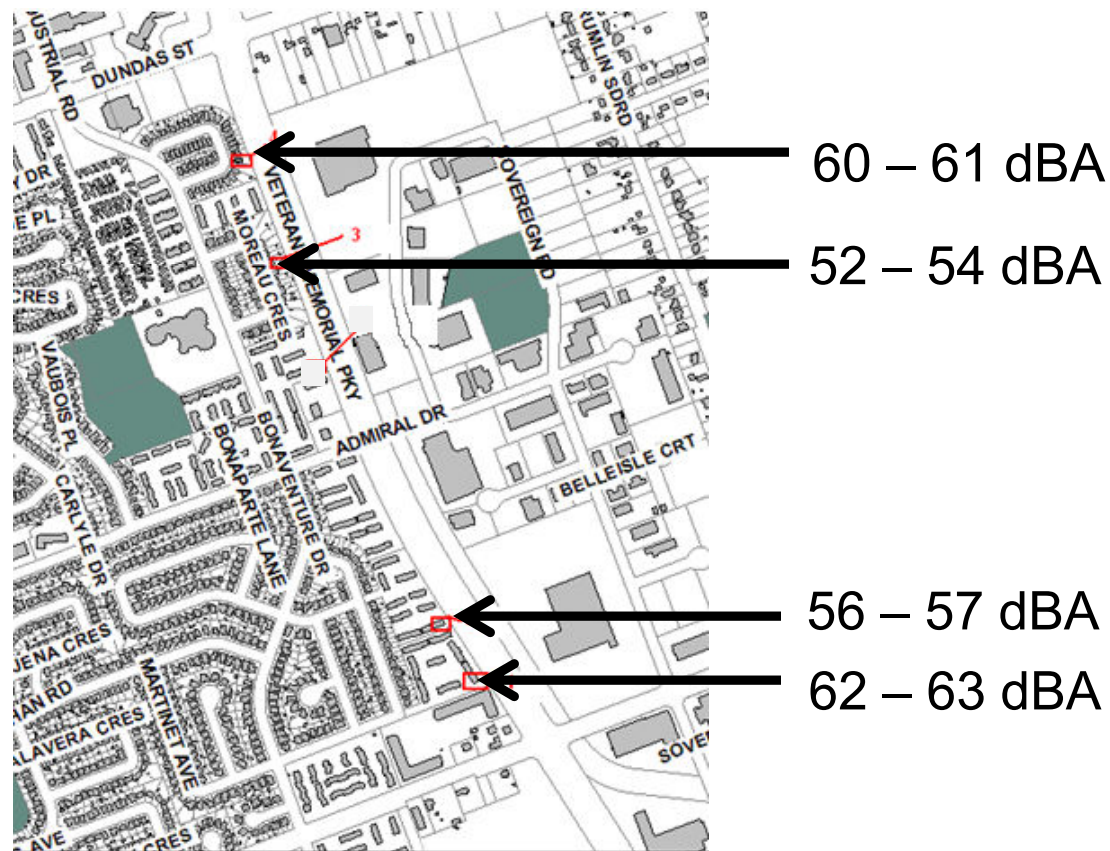


Timeline

- 1990's Land development. Noise attenuation berm installed.
- 2005 VMP Widening. New lanes on far side of ROW. "Before" noise testing conducted.
- 2007 "After" testing confirms noise levels reduced by 2 dBA.
- 2011 Additional noise study completed at Council's request. Concern about reading locations.
- 2012 Detailed noise readings conducted in backyards in cooperation with homeowners.
- 2013 Additional noise readings conducted in backyards adjacent to chain link fence and close to Admiral Drive intersection.



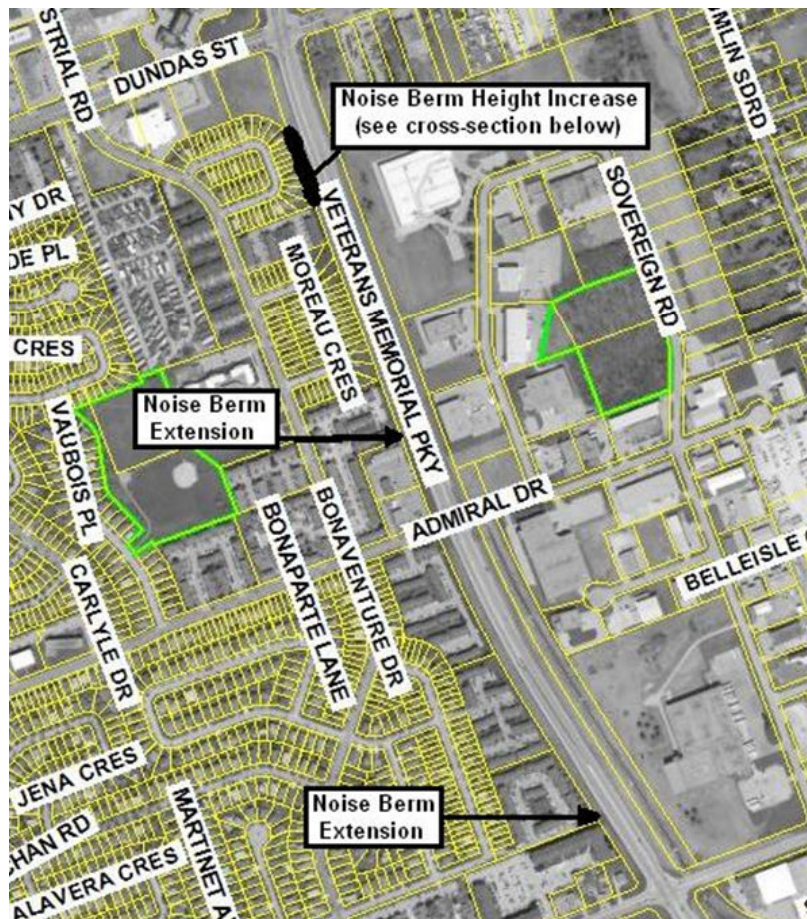
2012 Noise Results



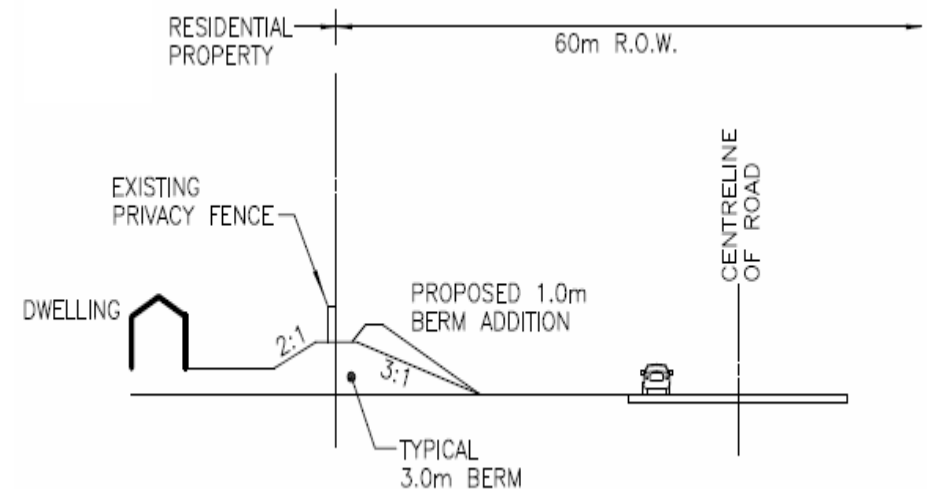
Noise attenuation is typically required by developments to mitigate predicted daytime sound levels above **60 dBA** in the rear yard.



Previously Recommended Improvements



- Extend berm at two locations
- Increase berm height along Simpson Cres
- Est. Cost = \$300,000





2013 Noise Results



Chain link fence locations and proximity to Admiral Drive intersection.

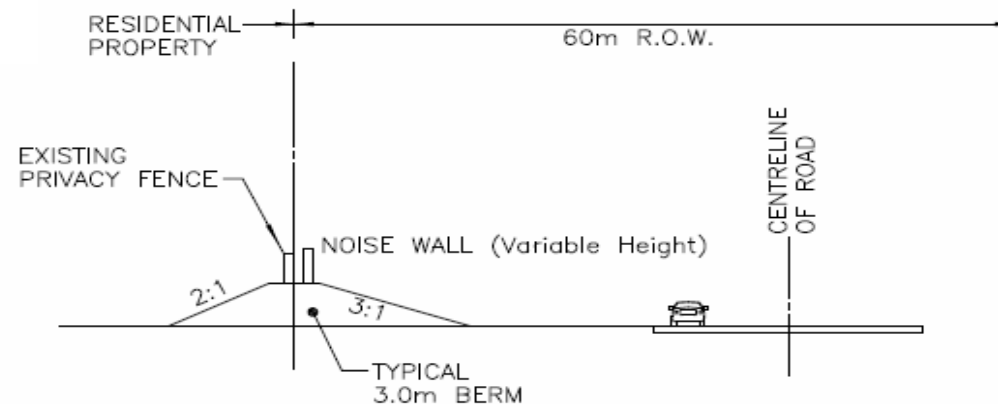
Confirmation of noise berm functionality. No deficiencies observed.

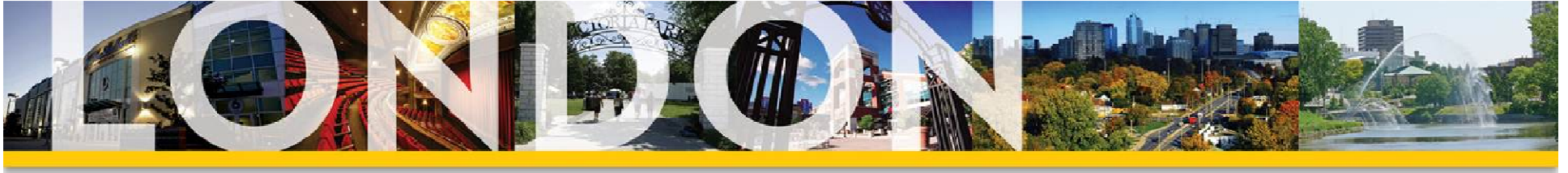


Higher Level of Service Options

	Options *	Estimated Cost	Noise Reduction	Predicted Noise Levels
2	2.4 m Noise Wall - Simpson Cres	\$0.45 M	8 dB	52 – 53 dBA
3	1.8 m Noise Wall – Dundas to Trafalgar	\$1.2 M	2 – 3 dB	51 – 54 dBA
4	2.4 m Noise Wall – Dundas to Trafalgar	\$1.7 M	3 – 4 dB	50 – 53 dBA

* All options include treatment of end deficiencies.





Recommendation:

- The previously recommended berm improvements are reaffirmed.
- Alternative solutions are detailed if a higher standard of noise mitigation is desired.
- A Service Improvement budget item is required since no noise mitigation retrofit program exists.