

D. J. Halpenny & Associates Ltd.

CONSULTING TRANSPORTATION ENGINEERS

February 26, 2019

File: 118-687

Mr. David Kurosky

**RE: TRANSPORTATION FACILITY – 9460 Mitch Owens Road ON
Traffic Impact Assessment Report – Sight Line**

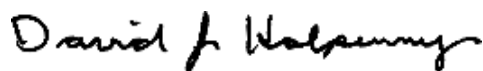
Dear Mr. Kurosky:

This memo is in response to City of Ottawa staff comment 23 concerning the sight line at the Mitch Owens Road access to the site.

The Mitch Owens Road access is located approximately 160 m (centreline to centreline) west of the Mitch Owens/Boundary intersection which is a “T” intersection with Mitch Owens Road. The posted speed limit along Mitch Owens Road in the vicinity of the site is 80 km./h. It should be noted that the speed of vehicles along Mitch Owens Road past the site is generally less than the posted 80 km./h. due to the close proximity of the site access to the Mitch Owens/Boundary intersection and the eastbound stop sign (traffic signals to be installed in the near future) at the eastbound Mitch Owens Road approach.

The sight line at the access was examined utilizing the guidelines published by the Transportation Association of Canada (TAC) in the *Geometric Design Guide for Canadian Roads*. The first guideline used was the “Turning Sight Distance” guideline in which a vehicle turning left onto a two lane roadway across a passenger vehicle approaching from the left. Figure 2.3.3.4a of the TAC manual was used with a design speed of 90 km./h. (posted speed of 80 km./h.). The guideline determined the required sight distance to be 175 m (B-1 graph line). The second guideline is the “Decision Sight Distance” shown in Figure 2.3.3.6. The minimum stopping sight distance is the minimum distance required to allow drivers to bring their vehicles to a stop. The minimum stopping sight distance was determined from the graph to be 165 m for a design speed of 90 km./h. Mitch Owens Road is relatively straight and level in the vicinity of the site. The sight line to the west exceeds 600 m from the site access which is the distance to the nearest intersection of Mitch Owens Road and Blackcreek Road. The Mitch Owens Road site access provides a sight line which exceeds the guidelines documented in the TAC manual.

Yours truly



David J. Halpenny, M. Eng., P. Eng.