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Project: SP3977C

December 31, 2006

**City of Toronto
c/o URS Canada Inc.
75 Commerce Valley Drive East
Thornhill, Ontario
L3T 7N9**

Attention: Mr. Keith Hutchinson, P.Eng., Senior Project Manager

Dear Mr. Hutchinson;

**Cover Integrity Inspection – November 2006
Lakeshore Boulevard East Reconstruction at Leslie Street
Toronto, Ontario**

Shaheen & Peaker Limited (S&P) was retained by URS Canada Inc. (URS) on behalf of the City of Toronto to conduct a cover integrity inspection at the above captioned site. This work was requested by URS to confirm that the minimum 300 mm thick layer of clean soil cover or pavement placed over the environmentally impacted soil at the subject site remains in place and continues to provide an effective barrier to protect users of the site from the environmentally impacted soils that are present on the subject site. Cover integrity inspections are a requirement of the Level 2 Risk Management Plan (RMP) developed for the Site Specific Risk Assessment (SSRA) based remediation of the subject site.

Mr. Douglas Fisher, P.Geo. of S&P visited the site on November 24, 2006 to conduct a detailed visual inspection of the integrity of the clean soil cover over the entire area of the subject site including both Area A and Area B. The following is a list of observations made during the inspection:

1. Construction activities in progress in Area B at the time of the June 2006 cover integrity inspection had been completed. This included the construction of a plaza located on the southeast corner of Leslie Street and Lakeshore Boulevard, the construction of a concrete sidewalk along the western portion of Area B, new plantings of shrubs, trees and sod between the new sidewalk and Leslie Street; new light standards, new plantings of shrubs and the construction of six concrete benches on the east side of the sidewalk and the construction of a new asphalt covered bicycle path parallel to but east of the new sidewalk.
2. Some litter and debris such as paper, plastic, candy wrappers, assorted paper, glass and plastic beverage containers, etc. was observed within both Area A and B. The frequency of this litter on the site appeared to be similar to that present along other

- arterial roads in the City of Toronto. In addition, within Area B, one plastic pail with a capacity of about 15 litres and a short section of plastic drainage pipe were observed.
3. Several depressions as the result of tire ruts were observed within Area A between the north curb of Lakeshore Boulevard and the bicycle path but no breaches in the clean cover as a result of the tire ruts was observed.
 4. One small hole, possibly created by a small rodent was observed in the grass cover of Area A approximately 1.5 m north of the north curb of Lakeshore Boulevard and 12 m west of the second light standard west of Leslie Street. No evidence was observed of the presence of burrowing animals in Area B.
 5. Replacement of the damaged well covers as recommended in S&P's cover integrity inspection report dated June 30, 2006 had not occurred.

In summary, construction activities associated with the installation of underground wiring and irrigation systems for new plantings and the construction of a new sidewalk and bicycle path within the western portion of Area B have been completed. Six concrete benches as well as a longer concrete wall to serve as a bench have been constructed within the western portion of Area B. The presence of park benches within Area B was not part of the proposed land use on which the Risk Management Plan was based.

No documentation was provided to S&P regarding the work conducted in Area B in 2006 as recommended in S&P's June 2006 cover integrity letter and therefore S&P can not comment if the alterations recently conducted in Area B are in accordance with the Risk Management Plan of the SSRA, or if changes to the Risk Management Plan are required.

Based on the June 2006 cover integrity inspection, S&P makes the following recommendations:

1. The City of Toronto should ensure that measures are in place to abide by the terms of the SSRA.
2. The covers for the monitoring wells at BH700 and BH702 should be replaced as required by Ontario Regulation 903 and as recommended in S&P's June 2006 cover integrity inspection letter.
3. The tire ruts should be monitored for possible breaches in the cover integrity.
4. The area in the vicinity of the possible rodent hole observed in Area A should be monitored for possible rodent activity.
5. The next regularly scheduled cover integrity inspection is the spring of 2007.

Attached are selected photographs taken during the cover integrity inspection. Please contact this office should you have any questions or concerns.

Yours very truly,
SHAHEEN & PEAKER LIMITED


Prepared by:



Douglas M. Fisher, M.Sc., P.Geo.
Senior Geoscientist

Reviewed by:



 David J. Baigent, P.Eng.
Environmental Manager, Southwest Ontario

Attached: Selected Photographs

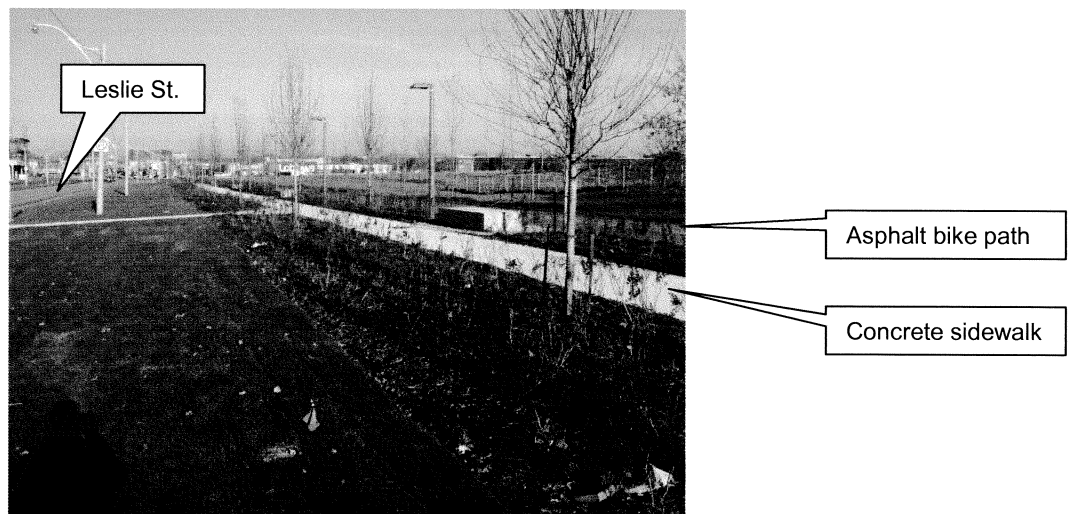
cc. Mr. George Rozanski, P.Eng., Senior Project Engineer – City of Toronto



Tire ruts adjacent to north curb of Lakeshore Boulevard.



New plaza at the southeast corner of Leslie Street and Lakeshore Boulevard.



New sod, shrubs, sidewalk, lighting, concrete structures and bicycle path within Area B.