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June 17, 2014

Mr. Dan Martinez
Project Manager, Lakefront Trail Improvement
F.H. Paschen
5515 N. East River Road
Chicago, IL 60656

RE: Bi-weekly Letter Report Update #4
Lakefront Trail Improvement, Chicago, IL
AECOM Project No. 60318016

Dear Mr. Martinez:

Pursuant to conditions specified in permits issued by the City of Chicago, radiation monitoring was required to be performed for the above referenced project. AECOM Technical Services, Inc. (AECOM) provided the required radiation surveillance. The last update was issued on June 3, 2014 and summarized the surveying of excavation work performed between May 15 and 30, 2014. This update letter provides a summary of the radiological surveying performed between June 2 and 14, 2014.

Gamma radiation count measurements were made using Ludlum Model 2221 survey meter and an unshielded 2 x 2 inch NaI probe (Model 44-10). The U. S. Environmental Protection Agency (USEPA) cleanup value for Chicago's Streeterville area is 7.1 picocuries per gram (pCi/g) total radium (Ra-226 + Ra-228). The field instrument (Serial #172039) gamma count equivalent to 7.1 pCi/g was 19,598 counts per minute (cpm) unshielded. Monitoring between June 2 and 14, 2014 revealed no gamma readings indicative of contaminated fill soil above the clean-up value established by the USEPA for the Streeterville area of Chicago.

Bent 5

On June 2, 9 and 10, 2014 Bent 5 located south of E. Illinois Street was excavated. A wood pile and concrete were removed from this location. For the field instrument used, the gamma count threshold indicative of the 7.1 pCi/g cleanup value is 19,958 (cpm) unshielded. The field gamma background for the area is approximately 4,766 cpm unshielded. The field gamma measurements within the excavation and the spoil materials generated during the excavation process did not exceed the instrument threshold previously stated. A maximum gamma count of 15,000 cpm unshielded was recorded during the excavation. Thus, there was no indication of the presence of radiologically-contaminated fill soil and/or an exceedance of the USEPA cleanup value of 7.1 pCi/g total radium.

South Stairs Landing

On June 3 and 12, 2014 an excavation was performed for the South Stairs landing located between E. Illinois Street and the Ogden Slip. The excavation was extended to approximately four foot below grade. For the instrumentation used, the gamma count threshold equivalent to the 7.1 pCi/g cleanup value is 19,958 (cpm) unshielded. The field gamma background for the area is approximately 4,766 cpm unshielded. The field gamma measurements within the excavation and the spoil materials generated during the excavation process did not exceed the instrument threshold. A maximum reading of 10,000 cpm unshielded was recorded for this excavation. Thus, there was no indication of the presence of radiologically-contaminated material and/or an exceedance of the USEPA cleanup value of 7.1 pCi/g total radium.

C Wall Footing Pad

On June 4, 6, 10, 12 and 13, 2014 excavation was performed for the footing pad along the C Wall located south of the overhead ramp from Lake Shore Drive to Illinois Street. For the instrument configuration used, the gamma count equivalent to the 7.1 pCi/g cleanup value is 19,958 (cpm) unshielded. The field gamma background count for the area is approximately 4,766 cpm unshielded. The field gamma measurements within the excavation and the spoil materials generated during the excavation process did not exceed the instrument threshold. Readings of 9,000 to 16,000 cpm unshielded were recorded for this excavation. Thus, there was no indication of the presence of radiologically-contaminated material and/or an exceedance of the USEPA cleanup value of 7.1 pCi/g total radium.

Pier 7

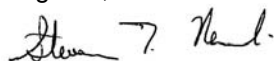
On June 6, 2014 Pier 7 located south of E. Illinois Street was excavated. This excavation was approximately 15 feet by 15 feet by 4 feet deep. For the instrument used, the gamma count threshold indicative of the 7.1 pCi/g cleanup value is 19,958 (cpm) unshielded. The field gamma background for the area is approximately 4,766 cpm unshielded. The field gamma measurements within the excavation and the spoil materials generated during the excavation process did not exceed the instrument threshold previously stated. A maximum reading of 14,000 cpm unshielded was recorded during the excavation. Thus, there was no indication of the presence of radiologically-contaminated material and/or an exceedance of the USEPA cleanup value of 7.1 pCi/g total radium.

ComEd Repair

On June 12, 2014 repairs were made to a ComEd electrical line south of E. Illinois Street and southwest of the south stairs. This excavation was approximately 3.5 feet deep. For the instrument used, the gamma count threshold indicative of the 7.1 pCi/g cleanup value is 19,958 (cpm) unshielded. The field gamma background for the area is approximately 4,766 cpm unshielded. The field gamma measurements within the excavation and for the spoil materials generated did not exceed the instrument threshold previously stated. A maximum reading of 1,500 cpm unshielded was recorded during the excavation. Thus, there was no indication of the presence of radiologically-contaminated material and/or an exceedance of the USEPA cleanup value of 7.1 pCi/g total radium.

Please contact us with any questions you have regarding this letter or the reported results.

Regards,



Steve T. Newlin
Senior Project Geologist

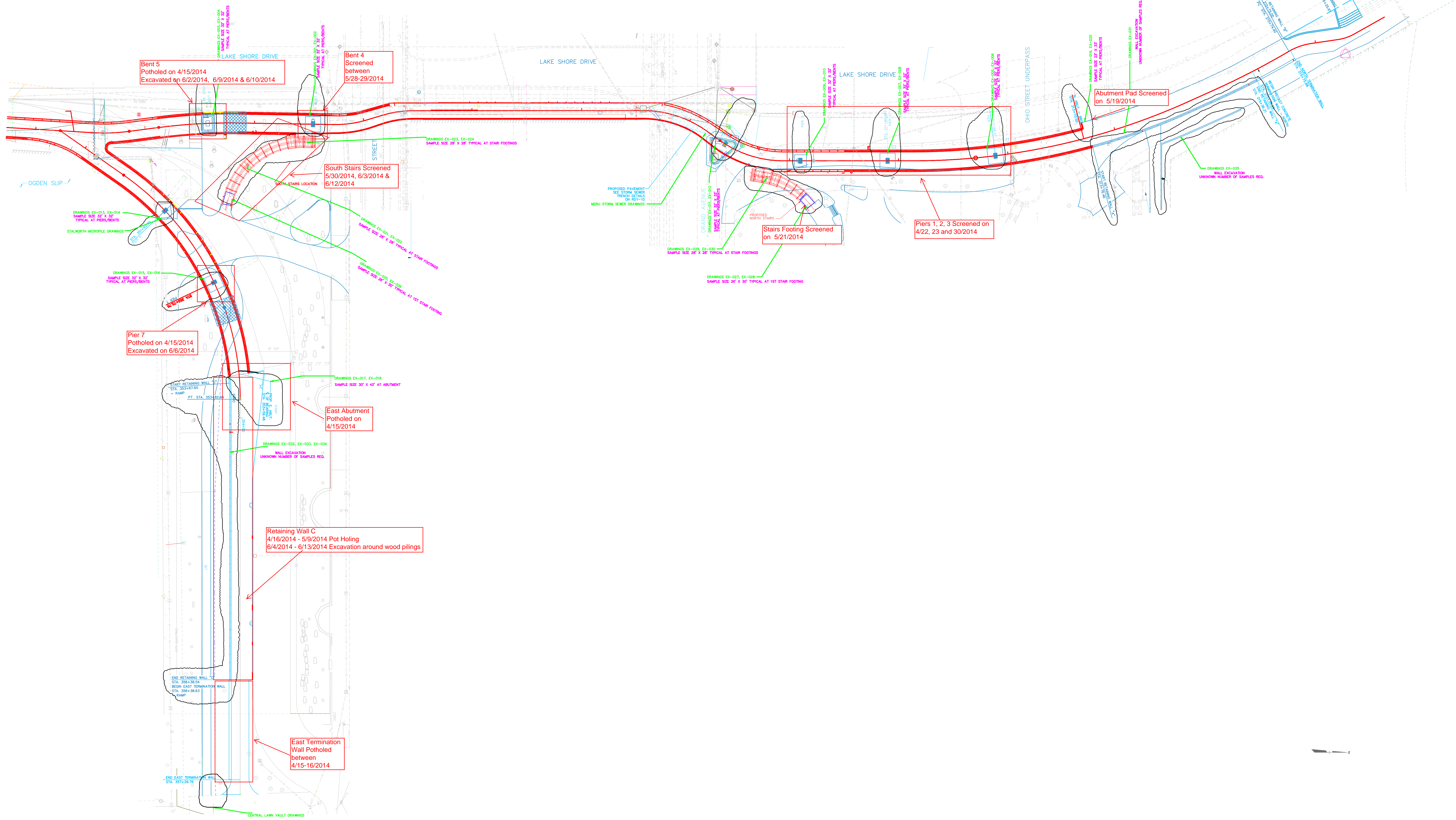


Steven C. Kornder, Ph.D.
Senior Project Geoscientist

cc: Chris Tryka, F.H. Paschen

Attachments: Location Map

LOCATION MAP



LAKEFRONT TRAIL IMPROVEMENT
 FROM JANE ADDAMS PARK
 TO OGDEN SLIP

OVERALL PROJECT PLAN
 AECOM EXCAVATION PITS

REVISIONS			
NO.	BY	DATE	DESCRIPTION

	F.H. PASCHEN, S.N. NIELSEN & ASSOCIATES LLC GENERAL CONTRACTORS	
	DATE: 11/11/2013	SCALE: N.T.S.
DRAWING: G-001		