



AECOM
303 E. Wacker Drive, Suite 900
Chicago, Illinois 60601

312-938-0300 tel
312-938-1109 fax

June 21, 2013

Mr. Daniel Cooper
Chicago Park District
541 N. Fairbanks Ct.
Chicago, IL 60611

RE: Radiological Survey for the Subsurface Geotechnical Investigation of Peanut Park, Chicago, Illinois
Permit No.: D12212-01
AECOM Project No. 60287451

Dear Mr. Cooper:

Peanut Park (Site) is approximately 4 plus acres of land that was created when Lake Shore Drive was reconfigured in 1981. The larger North Grant Park, located just west of the Site, is undergoing redevelopment that includes using the Site for temporarily stockpiling soil from North Grant Park. The majority of the soil will be returned to North Grant Park as part of the redevelopment. Excess soil not reused on North Grant Park will be utilized to increase the grade of Peanut Park.

AECOM Technical Services, Inc. (AECOM) provided radiological soil surveillance between January 21st and 23rd, 2013, for the radiological surveying of spoil generated during the drilling of 14 geotechnical borings conducted by GSG Consultants, Inc. The borings were installed to provide information for the future installation of light poles as part of the redevelopment of the Site after the soil is returned to North Grant Park. The borings were completed using a drill rig equipped with continuous flight augers to depths of approximately 8 to 45-feet below ground surface (bgs). The location of the borings is provided on the attached annotated drawings (refer E102 and E103).

Surveying was performed for the soils (spoil) characterized as urban fill that were displaced to the surface during the process of drilling at the 14 boring locations. SB-5 was drilled through a soil stockpile, therefore the drillers blind drilled through the upper 25-feet of overburden material before reaching the original surface grade. As such, the Table 1 value for SB-5 has been corrected to original the ground surface. The borings indicated that the fill soil thicknesses ranged generally between 10 and 12-feet.

The gamma monitoring revealed no indication of soils above the specified clean-up threshold established by the U.S. Environmental Protection Agency (USEPA) for the Streeterville area of Chicago. The USEPA threshold for Chicago's Streeterville area is 7.1 picocuries per gram (pCi/g) total radium (Ra-226 + Ra-228). Gamma radiation count measurements for the project were made using a Ludlum Model 2221 survey meter and an unshielded 2 x 2 inch NaI probe (Model 44-10). For the instrument used, the gamma count equivalent to the 7.1 pCi/g threshold was 18,701 counts per minute (cpm) unshielded. The unshielded field gamma measurements within the spoil materials generated during the drilling process did not exceed the respective threshold value previously stated and ranged from 4,100 cpm to a maximum of about 9,000 cpm. Background surface gamma readings ranged from 4,700 to 7,800 cpm. The maximum gamma reading for the spoil for each boring has been summarized in Table 1.

Table 1
Boring Spoil Maximum Gamma Readings

Location	Depth (ft-bgs)	Maximum Observed Gamma Reading (cpm)
SB-1	8.5-10	6,900
SB-2	11-12.5	7,500
SB-3	8.5-10	7,400
SB-4	6-7.5	7,500
SB-5	11-12.5	9,000
SB-6	6-7.5	7,700
SB-7	11-12.5	7,700
SB-8	1-2.5	7,500
SB-9	11-12.5	8,300
SB-10	8.5-10	8,100
SB-11	6-7.5	7,900
SB-12	8.5-10	6,800
SB-13	1-2.5	4,700
SB-14	13.5-15	5,400
	Average	7,314

As part of the permit conditions this letter has been forwarded to:

Chicago Department of Public Health
Attention: Ms. Rahmat Begum
333 South State Street, Room 200
Chicago, Illinois 60604

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

Regards,



Brian R. Schmidt
Project Scientist II



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

cc: Verneta Simon, USEPA

Attachments: Permit
Annotated Drawings

AECOM has completed this project under the Master Agreement with the Chicago Park District (Specification No. P-11007). This work has been performed in conformance with the care and skill ordinarily exercised by similar members of the profession practicing and performing the same or similar services and performing under similar conditions at the same time or similar locality. No other warranty of any kind, expressed or implied, at common law or created by statute, is extended, made, or intended by the rendition of consulting services or by furnishing oral or written reports of the findings made.



DEPARTMENT OF PUBLIC HEALTH
CITY OF CHICAGO

FORM NO. CDPH.PRPTY.02

Notice is hereby given that the site you have requested a permit for is recorded with the City of Chicago Department of Public Health (CDPH) as potentially having environmental contamination on the site. This environmental contamination could present a threat to human health and safety in connection with work performed at the site, if proper safeguards are not employed.

A file containing detailed information regarding the aforementioned environmental contamination is available for review at CDPH at 333 S. State St., Room 200, Chicago, Illinois 60604 during normal business hours (8:30AM-4:30PM, Monday through Friday). Contact (312) 745-3152 for an appointment. This file must be reviewed and the remainder of this form completed before the permit can be issued if the ground is exposed or excavated. Please note that for some locations, additional health and safety procedures may be required by law.

Please complete the following:

I have reviewed and understand the documents, maintained by CDPH, regarding environmental contamination of the site. Further, I will ensure that all work at the subject site, and any monitoring required including but not limited to radiation monitoring, will be performed in a manner that is protective of human health and the environment and in compliance with all applicable local, state, and federal laws, rules, and regulations, especially those pertaining to worker safety and surveying conducted shall be provided to CDPH and the United States Environmental Protection Agency within two (2) weeks of their completion. If any elevated levels of radioactive material are detected, I will immediately contact the United States Environmental Protection Agency at (800) 424-8802.

Applicant Name (print): Daniel Cooper Signature: [Signature]

Site Address and Work Location (Describe exact site location and attach map): 431 E Randolph St, Chicago, IL
South of Randolph, North & West of Lake Shore Drive

Nature of Work: Topsail removal + stockpiling

Company Name, Address, Phone No.: Chicago Park District, 541 N Fairbanks St, 312-742-4287

General / Prime Contractor Name, Address, Phone No.: McHugh Construction
Include subcontractor information if applicable

Safety Officer / Phone No. Carlos Del Val - 312-617-6139

Radiation Contractor / Phone No. (if applicable) AECOM, Steve Kornder, 262-515-7700

Check if City Department Work Department Name: _____

CDOT Permit No. or Developer Services No.: DOB Permit # D12212-01

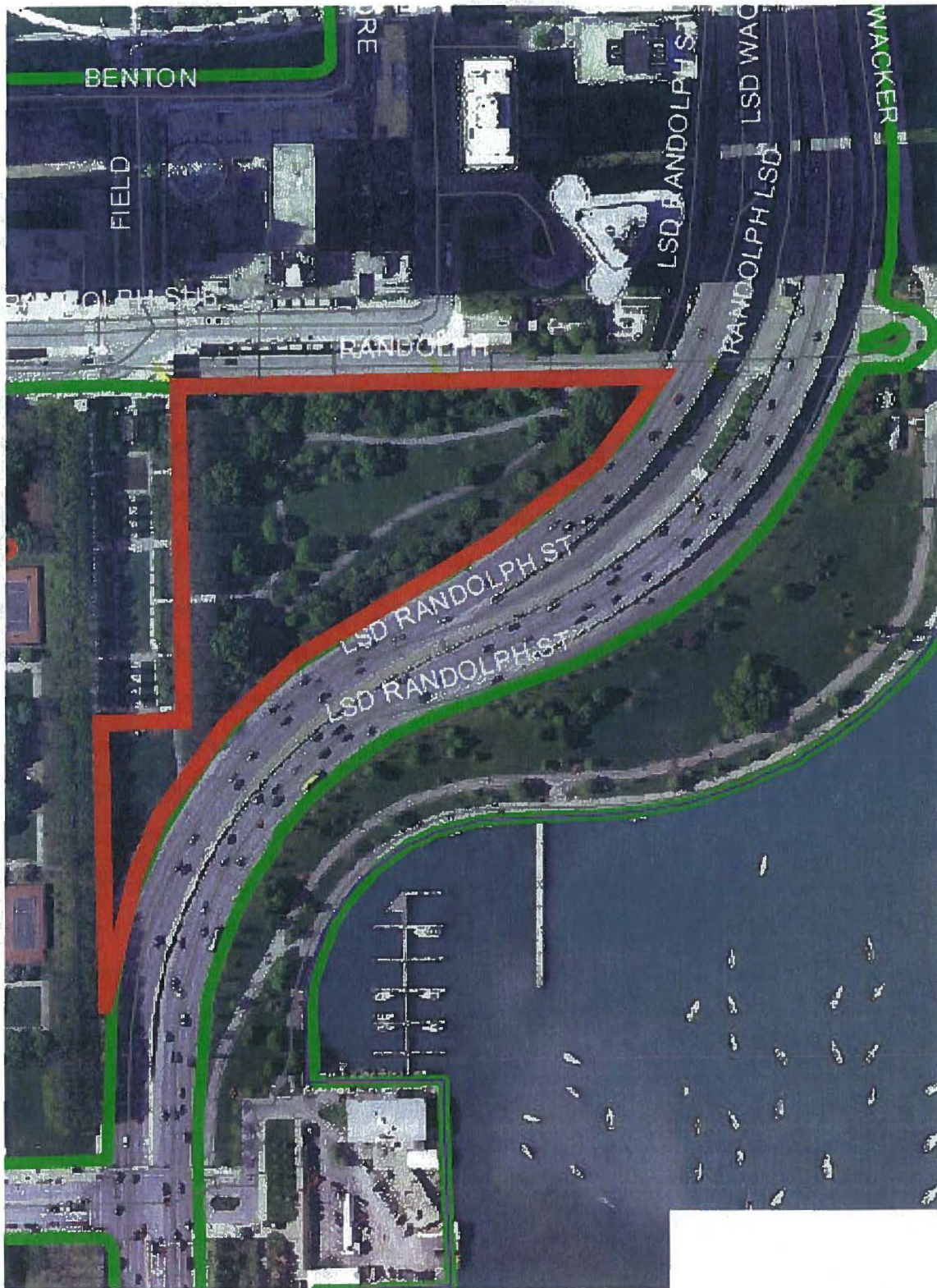
Today's Date: 12/20/12 Expected Start Date: 12/27/12 CDPH Approval / Date: [Signature] 12/27/12

Please return this completed form to CDPH at 333 S. State St., Room 200, Chicago, Illinois 60604 during normal business hours (8:30 AM - 4:30 PM, Monday through Friday)

For CDPH Use Only

DOB Permit # D12212-01

Chicago Park District - Peanut Park



North Grant Park -
 Soil Boring Exhibit
 9/11/2012



CHICAGO PARK DISTRICT
 315 N. LAUREL STREET
 CHICAGO, ILL. 60601

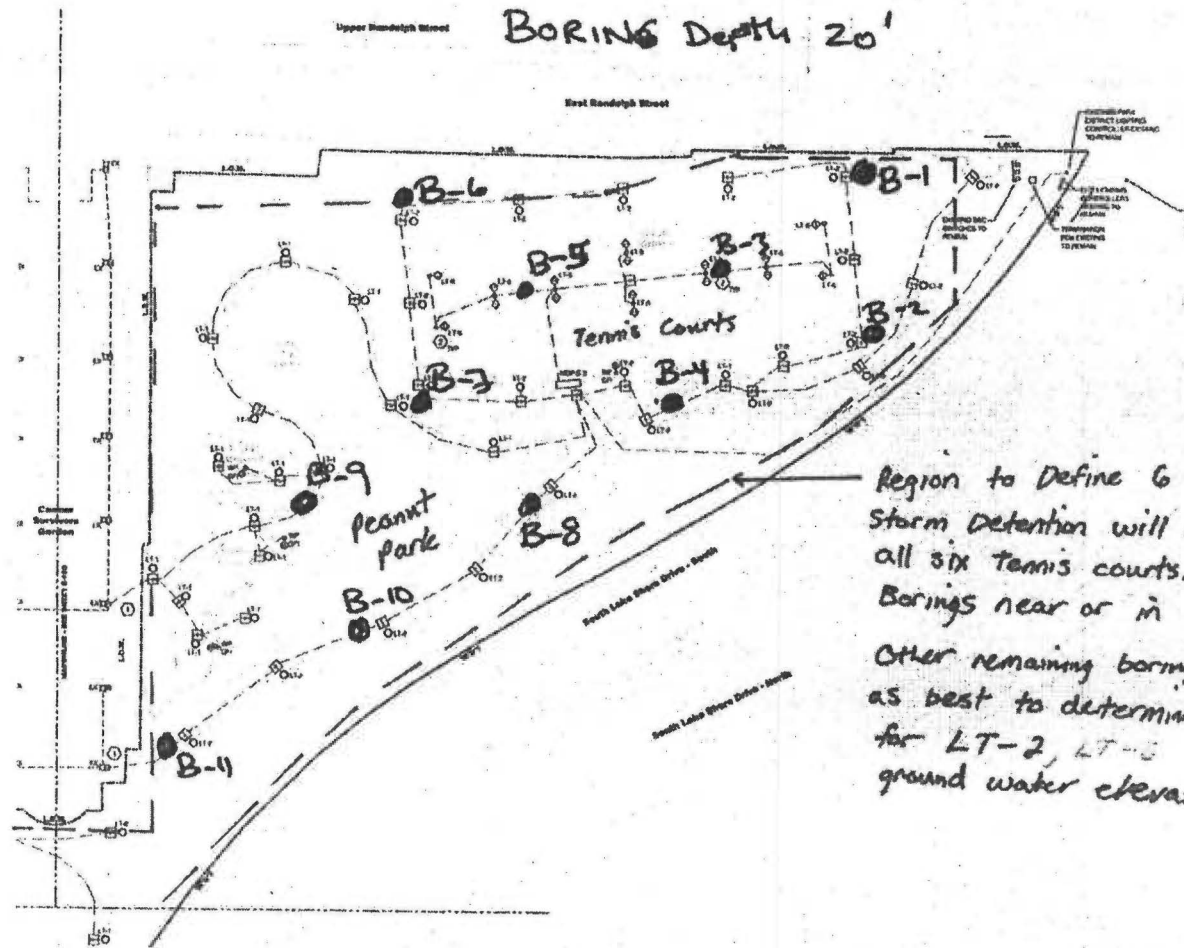
LANDSCAPE ARCHITECT
 Robert Van Wierburgh
 Landscape Architects, PC
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Region to Define 6 Borings.
 Storm Detention will be provided under all six Tennis courts. Would like 2 Borings near or in Tennis court area
 Other remaining borings to be located as best to determine foundation requirements for LT-2, LT-3, and finally the ground water elevation.

LT-1 = Acorn Light Pole → 14 Ft. High
 LT-5, LT-2 = High Mast Light Pole → 33 Ft. High

* No Trucks or equipment on Garage Roof or pedestrian Tunnels (North Grant Park to West)

- REVISIONS
1. ACORN LIGHT POLE HEIGHT ADJUSTED TO 14 FT. HIGH
 2. HIGH MAST LIGHT POLE HEIGHT ADJUSTED TO 33 FT. HIGH
- NOTES
1. PEANUT PARK BORING SHALL BE PERFORMED LOCAL CITY PERMITS
 2. ALL BORING SHALL BE PERFORMED UNDER THE SUPERVISION OF A LICENSED PROFESSIONAL ENGINEER
 3. BORING LOGS SHALL BE SUBMITTED TO THE CLIENT FOR REVIEW AND APPROVAL
 4. BORING COSTS SHALL BE AS SHOWN IN THE ATTACHED COST ESTIMATE

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
SCALE	1" = 40'-0"
DATE	8/17/2012
PROJECT NO.	P-12017-02
JOB NO.	P-08041
SHEET INFORMATION	
North Grant Park Renovation Ph. 2	
ELECTRICAL SITE LAYOUT PLAN - 3	
05% Const. Doc.	
PROJECT NO. P-12017-02	

E-103