

January 22, 2018

Mr. Larry Koch  
Related Midwest  
350 W Hubbard, Suite 300  
Chicago, IL 60654

RE: Radiological Survey of Sidewalk and Planter Installations  
Permit Address: 410-500 E Grand Ave., Chicago, Illinois  
Permit Nos. CDOT1011496 and CDOT1044940  
AECOM Project No. 60442737

Dear Mr. Koch:

Pursuant to conditions specified in a permit issued by the City of Chicago, radiation monitoring was required to be performed at the above referenced site. AECOM Technical Services, Inc. (AECOM) provided the required radiation surveillance on October 3<sup>rd</sup>, 4<sup>th</sup>, and 24<sup>th</sup> as well as December 19<sup>th</sup>, 2018 for excavations related to sidewalk and planter installations along East Grand Ave.

Surveying was performed within the excavation and on the spoil removed at 510 N. Peshtigo Ct. (refer to annotated drawing). The excavations were located within the sidewalk and curb right-of-way (ROW) along the south side of E. Grand Ave. west of the intersection of E. Grand Ave. and N. Peshtigo Ct. The total length of the excavation of planters and sidewalk installation was approximately 200-feet long, 12-foot wide, and excavated to a depth of 2-feet to 3-feet below ground surface (bgs).

The monitoring did not indicate that the fill soils were above the removal action level established by the U.S. Environmental Protection Agency (USEPA) for the Streeterville area of Chicago. The USEPA removal action level 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 recorded using a Ludlum Models 2221 survey meter and a shielded 2 x 2 inch NaI probe (Model 44-10). For the instrument used during the screening, the gamma count threshold indicative of the 7.1 pCi/g removal action level was 6,669 (S/N: 172039) counts per minute (cpm) shielded. The field instrument background gamma readings collected for fill soil in the vicinity of the excavation areas was 2,000 cpm.

The field gamma measurements within the excavations and of the spoil during the excavation process did not exceed the instrument threshold previously stated and ranged from a minimum of 1,400 cpm to a maximum of 3,400 cpm shielded. Based on field observations there was no indication of the presence of radiologically-contaminated fill and/or an exceedance of the USEPA removal action level of 7.1 pCi/g total radium. A copy of the annotated drawing and tabulated results documenting the work performed have been included as attachments.

As part of the permit conditions, a PDF of this letter has been emailed to:

Chicago Department of Public Health  
Attention: Mr. Terry Sheahan  
333 South State Street, Room 200  
Chicago, Illinois 60604

Permit Address: 410-500 E Grand Ave.  
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Please contact us with any questions you have regarding this letter or the reported results.

Regards,



Andrew Kozak  
Geologist



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

cc: Verneta Simon, USEPA

Attachments: Permits  
Annotated Drawing and Results

## PERMITS



DEPARTMENT OF PUBLIC HEALTH  
CITY OF CHICAGO

**(STREETERVILLE Right-of-Way)**

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 and adjacent right-of-way. This environmental contamination could present a threat to human health and safety in connection with work performed at the site, or in the adjacent right-of-way, 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 and adjacent right-of-way. Further, I will ensure that all work at the subject site and adjacent right-of-way, 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 waste management. I will ensure that the results of any radiation monitoring and/or surveying conducted shall be provided to the 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): JONATHAN ELLIOTT Signature: [Signature]

Site Address and Work Location (Describe exact site location and attach map): 502-510 N Peshtigo Ct;  
410-500 E Grand Ave.

Nature of Work: Removal of existing concrete curbs, walks. Install new curbs/walks

Company Name, Address, Phone No.: Abbey, 1949 County Line Rd, Aurora, IL 630-585-7220

General / Prime Contractor Name, Address, Phone No.: Lend Lease, 30 S Wacker, Ste 2400 Chicago, IL 312-245-1000  
*Include subcontractor information if applicable*

Safety Officer / Phone No. Bob Buelow (Abbey) 630-514-5319, Mike Hambrick (Lend Lease) 312-961-3148

Radiation Contractor / Phone No. and email address (if applicable) AECOM, Steve Kornder 262-515-7700  
Steve.kornder@aecom.com.

Check if City Department Work  Department Name: \_\_\_\_\_

CDOT Permit No.: DOT 1011496

Today's Date: 9/24/18 Expected Start Date: 9/28/18 CDPH Approval / Date: Sheehan 9-24-18

Please return this completed form to the Chicago Department of Transportation, Division of Infrastructure Management, Public Way Permit Office, City Hall - Room 905, 121 N. LaSalle St., Chicago, Illinois 60602 during normal business hours (8:30 AM - 4:30 PM, Monday through Friday)

For CDPH Use Only

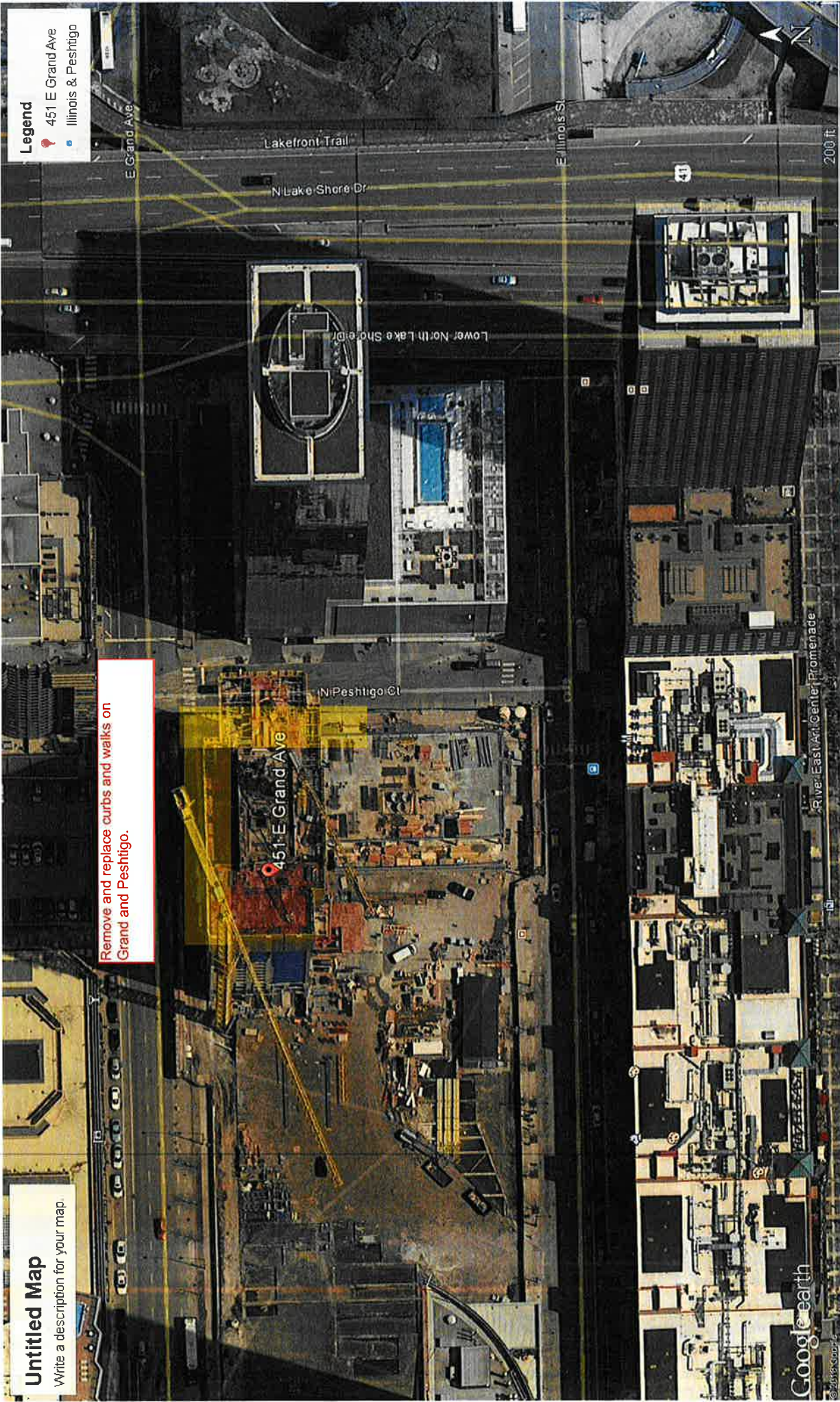
# Untitled Map

Write a description for your map.

## Legend

- 451 E Grand Ave
- Illinois & Peshigo

Remove and replace curbs and walks on Grand and Peshigo.





DEPARTMENT OF PUBLIC HEALTH  
CITY OF CHICAGO

**(STREETERVILLE - Private Property)**

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 waste management. I will ensure that the results of any radiation monitoring and/or surveying conducted shall be provided to CDPH and the United States Environmental Protection Agency (USEPA) 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): Jon Elliott Signature: [Signature]

Site Address and Work Location (Describe exact site location and attach map): 439 - 459 E Grand Ave.

MAP IS ATTACHED

Nature of Work: Remove existing curb and walks. Replace with new.

Company Name, Address, Phone No.: Abbey, 1949 County Line Rd, Aurora, IL 630-585-

General / Prime Contractor Name, Address, Phone No.: Lend Lease, 30 S Wacker, Chicago IL 312-245-1000<sup>7220</sup>  
*Include subcontractor information if applicable*

Safety Officer / Phone No. Bob Buelow (630-514-5319 (Abbey); Mike Hambrick 312-961-3148 (LL)

Radiation Contractor / Phone No. and email address (if applicable) AECOM, Steve Kornder 262-515-7708

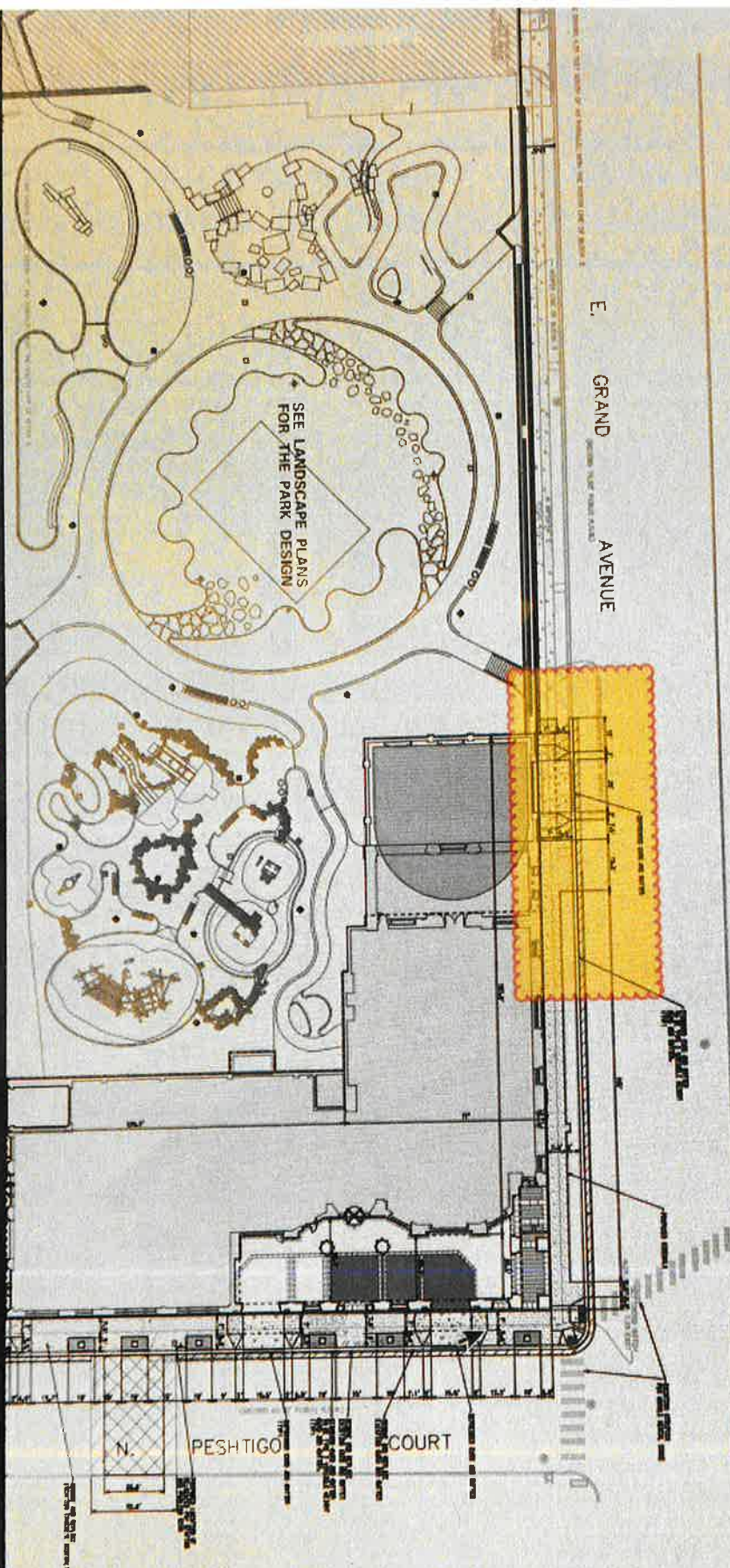
Check if City Department Work  Department Name: Steve.kornder@aecom.com

CDOT Permit No. or Developer Services No.: DOT1044940

Today's Date: 12/18/18 Expected Start Date: 12/19/18 CDPH Approval / Date [Signature] 12-18-18

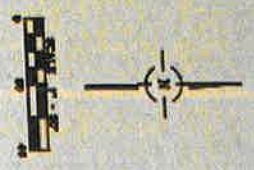
Please return this completed form along with maps showing exact site location to CDPH at 333 S. State St., Room 200, Chicago, Illinois 60604 during normal business hours (8:30 AM - 4:30 PM, Monday through Friday)

**For CDPH Use Only**



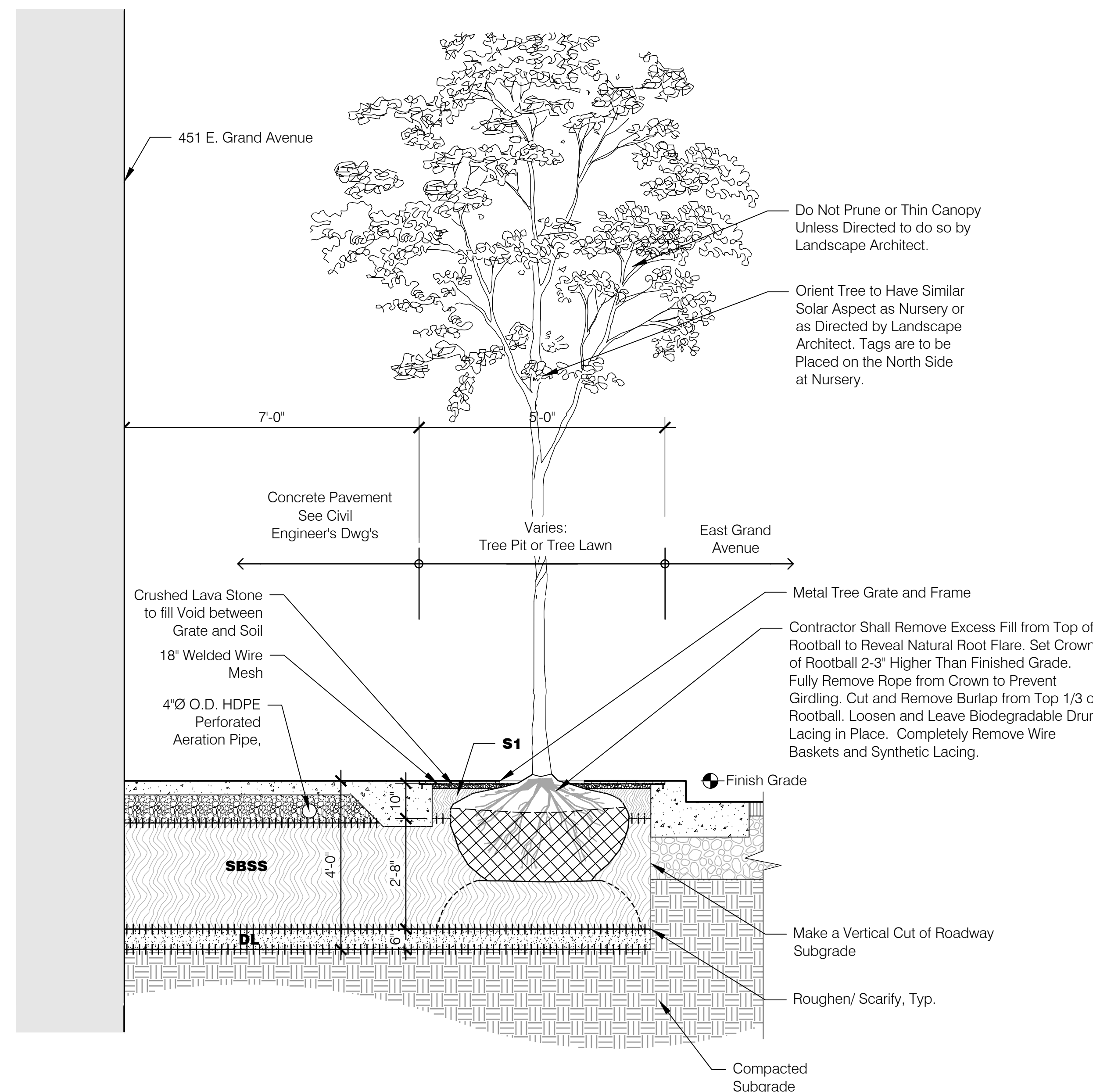
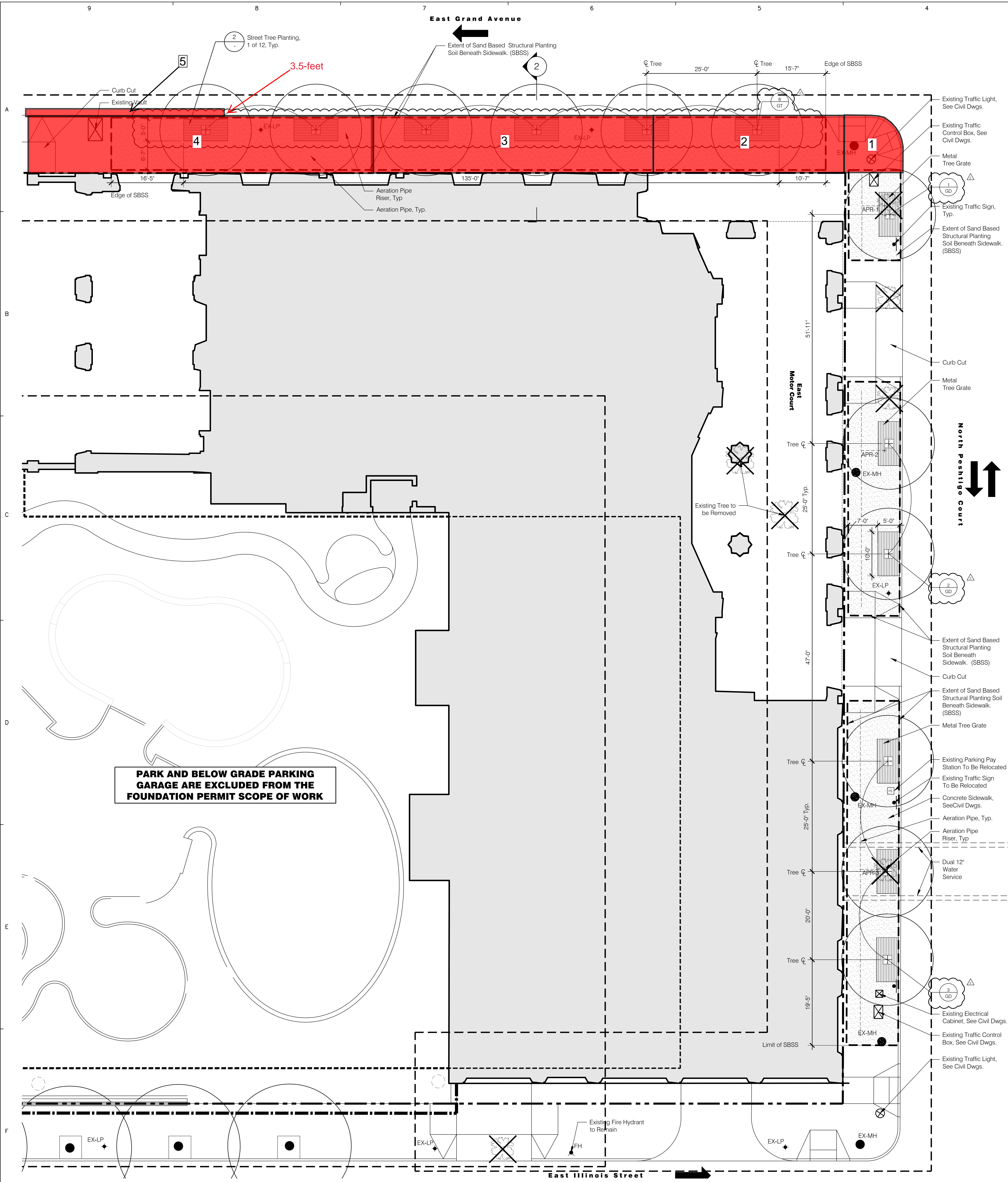
- NOTES**
1. SEE GENERAL NOTES AND SITE PLAN FOR THE PARK DESIGN FOR THE PARK DESIGN.
  2. THE BUILDING SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF CHICAGO ORDINANCES AND THE CITY OF CHICAGO DEPARTMENT OF PUBLIC WORKS.

- LEGEND**
- LANDSCAPE SERVICE
  - CONCRETE DRIVEWAY/PARKING
  - CONCRETE SIDEWALK
  - LANDSCAPE SERVICE RESTRICTION
  - IMPROVED ASPHALT
  - ASPHALT WITH TRAMPOLINE CURB
  - ASPHALT WITH TRAMPOLINE CURB AND NEW CONSTRUCTION
  - CONCRETE DRIVEWAY



**SKETCH**





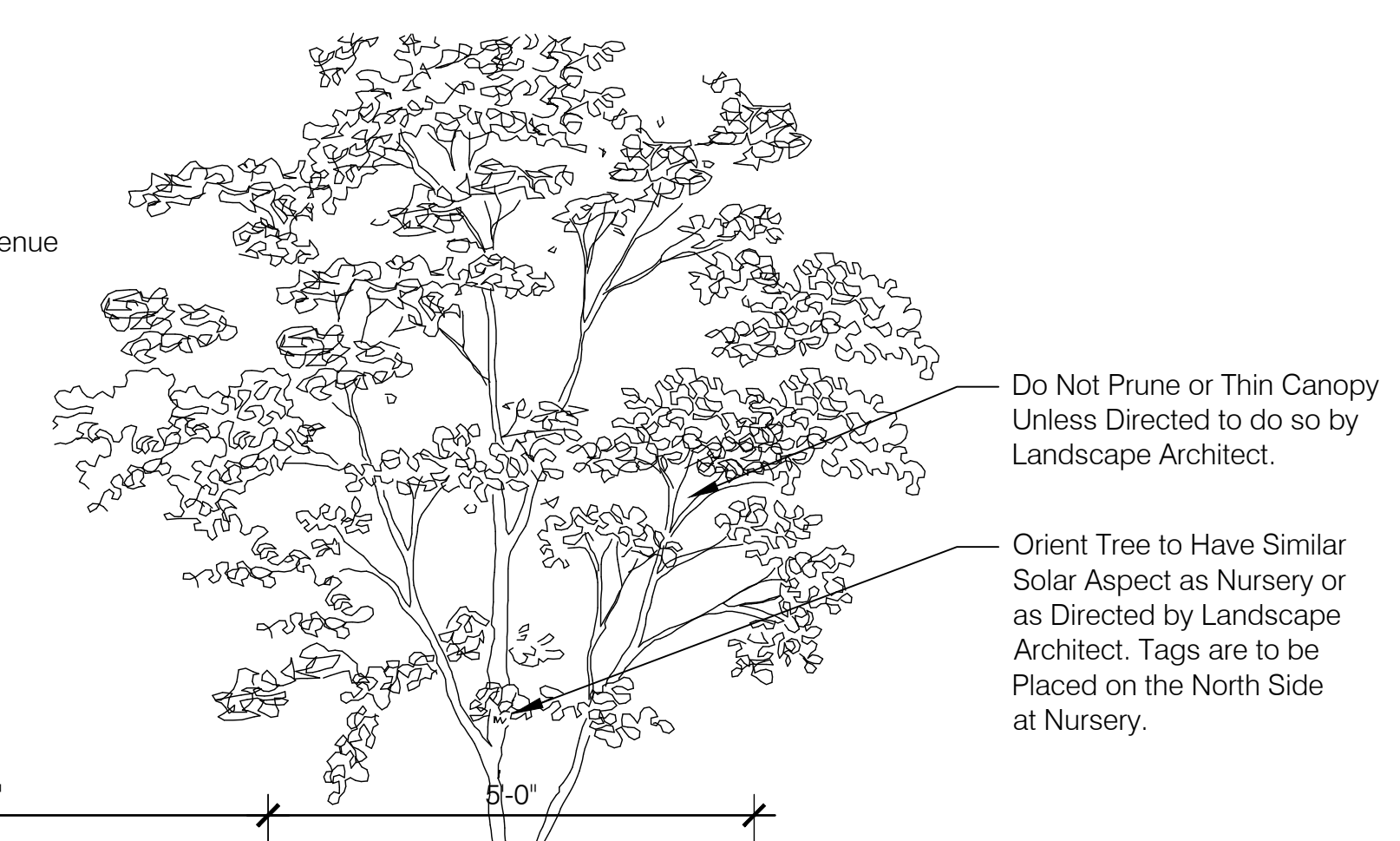
- S1** - Plant Bed Soil
- DL** - Drainage Layer
- SBSS** - Sand Based Structural Soil
- 3/4"** Crushed Stone

2 Street Tree Planting  
Scale: 1/2" = 1'-0"

**PLANT SCHEDULE**

KEY	BOTANICAL NAME	COMMON NAME	TOTAL	SIZE	ROOT	NOTES/ NURSERY
GD	<i>Gymnocladus dioica</i>	Kentucky Coffeetree	6	4" - 4 1/2" CAL.	B&B	Lowest Limb @ 7'-0", Male, Podless
GT	<i>Gleditsia triacanthos f. inermis</i>	Imperial Honey Locust	6	4" - 4 1/2" CAL.	B&B	Lowest Limb @ 7'-0", Thornless

3 Planting Schedule  
Schedule



BUILDING DEPT. STAMP

PROJECT TEAM

**G|R|E|C Architects**

OWNER: **RMW STREETERVILLE, LLC**  
 DESIGN ARCHITECT: **ROBERT A.M. STERN ARCHITECTS**  
 ARCHITECT OF RECORD: **G|R|E|C ARCHITECTS, LLC**  
 STRUCTURAL ENGINEER: **THORNTON TOMASETTI**  
 MECHANICAL ENGINEER: **WMA CONSULTING ENGINEERS, LTD.**  
 CIVIL ENGINEER: **SPACECO, INC.**  
 LANDSCAPE ARCHITECT: **MICHAEL VAN VALKENBURGH ASSOCIATES, INC.**  
 INTERIOR DESIGNER: **ROBERT A.M. STERN INTERIORS**  
 VERTICAL TRANSPORTATION: **JENKINS & HUNTINGTON, INC.**

NOTES

ISSUANCES

NO.	ISSUED FOR	DATE
01	NOT USED	
02	NOT USED	
03	NOT USED	
04	NOT USED	
05	GMP	2016.01.18
06	ISSUE FOR CONSTRUCTION	2016.09.30
07	AS1-009	2017.09.19

PROJECT

**451 E GRAND**  
 451 EAST GRAND AVENUE  
 CHICAGO, ILLINOIS

DRAWING

**STREETSCAPE PLANTING PLAN**

DATE: 09-19-2017 SHEET

PROJ. NO. **L1201**  
 1406

CHICAGO CITY DATUM NOTE:  
 PROJECT E.L. +9'-0" + 12.5' CCD

**Survey Results  
 Related Midwest  
 510 N. Peshtigo Ct.  
 North Sidewalk Replacement\Tree Installations**

**Survey Equipment**

Ludlum 2221 S/N:	172039
Probe 2x2 NaI S/N:	PR174406
shielded:	6,669 cpm
background:	2,000 cpm
Personnel:	D. Damino, E. Sulita
Date of Screening:	10/3/18, 10/4/18, 10/24/18, 12/19/18
Source Block	28,000 - 31,000

**Survey Results**

Section	Depth (inches)	Readings (CPM)
1	0	1,500 - 2,400
2	0	1,400 - 2,400
	18	2,400 - 3,000
	36	2,200 - 2,800
3	0	1,700 - 2,800
	18	1,800 - 3,100
	30	2,200 - 3,100
4	0	1,400 - 2,300
	18	2,000 - 3,400
	36	2,200 - 3,400
5	0	concrete curb
	24	1,500 - 2,500