

August 6, 2018

Mr. Anton Collins
Powers Construction
8750 W. Bryn Mawr Ave., Suite 500
Chicago, Illinois 60631

RE: Radiological Survey of Tree Installations
Permit No.: DOT682685 and DOT779827
Permit Address: 465 N. Park Ave., Chicago, Illinois
AECOM Project No. 60508241

Dear Mr. Collins:

Pursuant to conditions specified in permits (see attached) 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 June 20 and 22, and July 13, 2018, during tree installations.

Surveying was performed within the excavations and on the spoil removed at 465 N. Park Ave. (refer to annotated drawing). The excavations involved fill soil disturbance along the south side E. Illinois St. and west side of N. New St. Tree excavations along the west side of N. New St. were recorded to a depth of 27-inches from top of sidewalk. A grate, which is flush with the sidewalk, was used for the trees on N. New St. Surveying was conducted where grates were utilized for the tree pits. Several of the trees along E. Illinois St. were planted in raised bed planters that were additional 10-inches from the top of sidewalk pavement (refer to Photo). There was approximately 16-inches between the top of the planter and the top of subgrade along the south side of E. Illinois St. A surface survey of the north property ROW (south side of E Illinois St.) was documented previously after the removal of the pavement and filed with the USEPA on July 12, 2018 (Radiological Survey of Sidewalk and Curb Replacement). Therefore, the planting of trees in planters did not require surveying because the fill materials encountered during planting were screened previously.

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 Ludlum Models 2221 survey meter and a 2 x 2 inch NaI probe (Model 44-10). The instrument gamma count threshold indicative of the 7.1 pCi/g removal action level was 7,293 (S/N: 326720) counts per minute (cpm) shielded. The background readings were previously determined by collecting several 1-minute counts at separate locations within the property. Based on the six readings collected, the Site background gamma value was determined to be 1,670 cpm shielded (S/N: 172039).

The field gamma measurements within the excavation areas and of the spoil during the excavation process did not exceed the instrument threshold previously stated and the gamma survey readings related to and during tree installations in the ROW ranged between 1,000 cpm and 3,300 cpm. As mentioned above, the tree wells along E. Illinois St. were not surveyed during installation as the depth of 27-inches from the top of the raised tree planters resulted in approximately 11-inches below the sidewalk subgrade. ROW along E. Illinois St. was previously screened, documented, and filed on July 12, 2018 (Radiological Survey of Sidewalk and Curb Replacement). The majority of the subsurface material encountered was gravel sub-base, which is composed 1-inch stone and urban fill. 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. Copies of the permit, an annotated drawing and gamma results documenting the areas where work was performed have been included as attachments.

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

Chicago Department of Public Health
Attention: Mr. Terry Sheahan
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,



Andrew Kozak
Geologist



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

cc: Terry Sheahan, Chicago Department of Public Health
Jeremy Deaton, Atrium
Verneta Simon, USEPA

Attachments: Permit
Annotated Drawing and Results
Photo

PERMIT



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): Jeremy Deaton Signature: Jeremy Deaton

Site Address and Work Location (Describe exact site location and attach map): 465 N Park Chicago IL NE side of property on New St.

Nature of Work: Installing Trees

Company Name, Address, Phone No.: Atrium Inc. 1713 Davey Rd. Lemont IL 60439 630 /739-5100

General / Prime Contractor Name, Address, Phone No.: Power Construction
Include subcontractor information if applicable
Safety Officer / Phone No. Shane Deaton 331 /454-8717

Radiation Contractor / Phone No. and email address (if applicable) Steve Kornder 262-515-7700

Check if City Department Work [] Department Name:

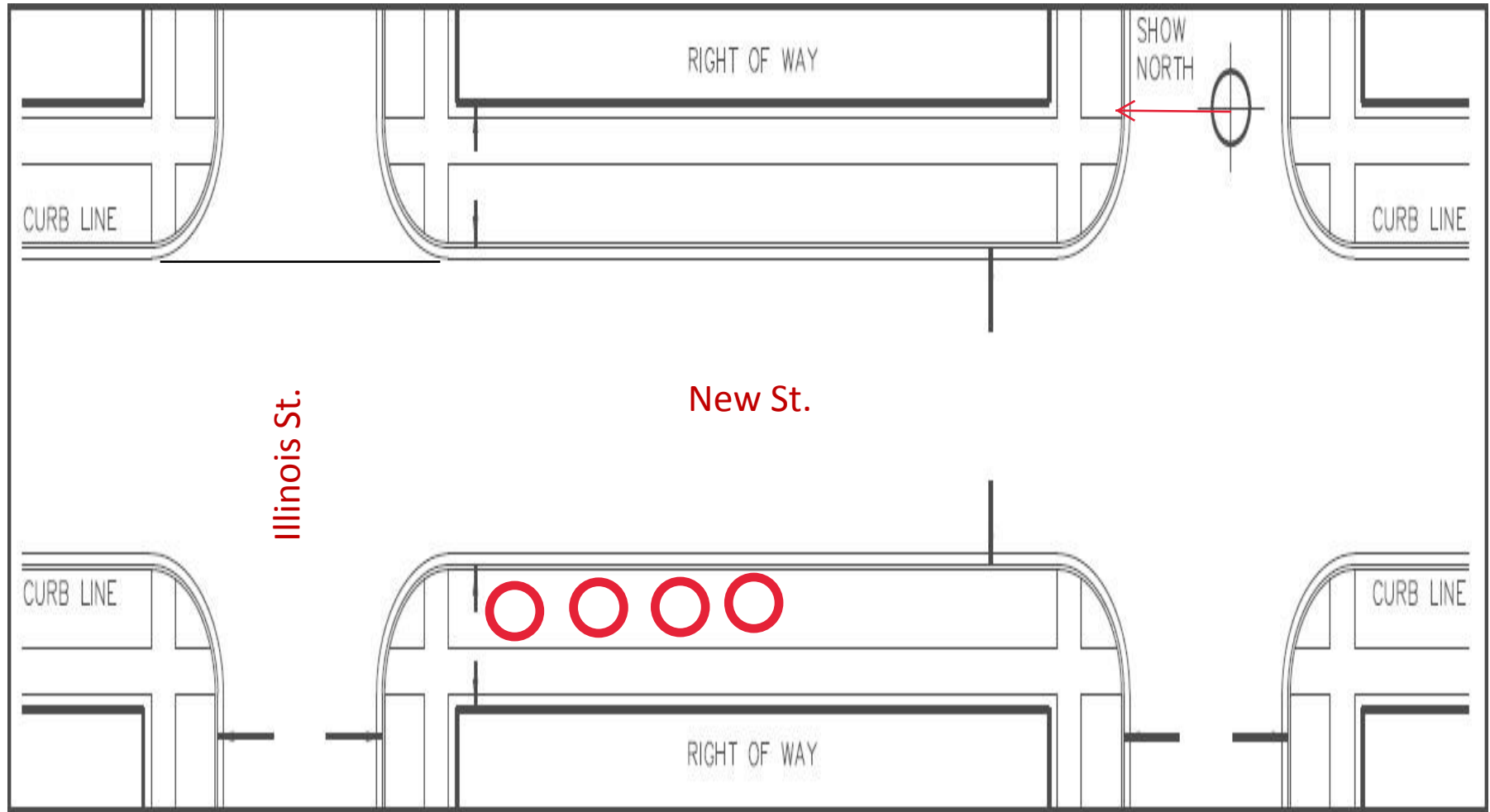
CDOT Permit No.: 18-1091

Today's Date: 7 /10 /18 Expected Start Date: 7 /12 /18 CDPH Approval / Date

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

Work Zone Sketch (Include Street Names, Roadway Layout, Roadway/Sidewalk Widths, and Work Zone Layout)



Permit # DOT779827

**DOT Occupy the Pub. ROW Permit
Work Vehicles, Temporary Driveways,
Barricades, Operating Equipment**



City of Chicago
Department of Transportation
(312) 744-4652

Received Date: March 29, 2017 4:48 pm

Replacement New St. Permit

AMENDED

POWER CONSTRUCTION CO
** 8750 W. BRYN MAWR AVE
STE: 500
CHICAGO, IL 60631
U.S.A.

ANTON COLLINS (847)647-5000

Issued: 04/05/2017

PERMIT REQUESTED DATES

April 02, 2017 through June 28, 2018

PERMIT DETAILS

Ward(s): 42

General Occupy

ParkWork Vehicle Type: N/A

470 - 478 N NEW ST

Closure: Partial

Barricades

Placement: SidePark-F

Length (ft): 200

Materials Stored: Stage 24/7 sidewalk with pedestrians rerouted across the street

Start Date: 04/02/2017

End Date: 06/28/2018

Governor Date: 06/22/2016

Temporary Driveways

Width (ft): 25

Start Date: 04/02/2017

End Date: 06/28/2018

Operating Equipment

Placement: CurbLane

Length (ft): 175

Equipment Stored: Delivery and Dump trucks, work vehicles

Start Date: 04/02/2017

End Date: 06/28/2018

Governor Date: 06/22/2016

Subcontractors:

BURNHAM NATIONWIDE, INC.
111 W. WASHINGTON ST. APT./SUITE 450
CHICAGO, IL 60602
U.S.A.
(312)407-7990

Restrictions:

1. For Operating Equipments and Park Work Vehicles, If Arterial Street inside CBD, Then Start no earlier then 8:00 P.M. and end no later then 6:00 A.M.

Permit # DOT682865

**DOT Construction Canopy Permit
Construction**



City of Chicago
Department of Transportation
(312) 744-4652

Replacement of DOT652035

ISSUED

Received Date: August 18, 2016 10:33 am

DESIGNED EQUIPMENT CORPORATION
1510 LUNT AVENUE
ELK GROVE VILLAGE, IL 60007-5622
U.S.A.

ANTON COLLINS (847) 647-5000

Issued: 08/19/2016

PERMIT REQUESTED DATES
August 21, 2016 through June 28, 2018

PERMIT DETAILS
Ward(s): 42
Building owner: JUPITER REALTY
Phone Number: (312)924-1540
Description of Work: PW Permit for 250' of Traffic Lane Closure to stage a Pedestrian Canopy.
The canopy(s) is/are required to conduct CONSTRUCTION at the work site.
Canopy - Constr (Traffic Lane):
Placement of a 250 foot Heavy Duty Rolling. A Lane of at least 10 feet is left Open/Unobstructed for the duration of the permit.
313 - 335 E ILLINOIS ST
Additional Information: DOT680079

Subcontractors:

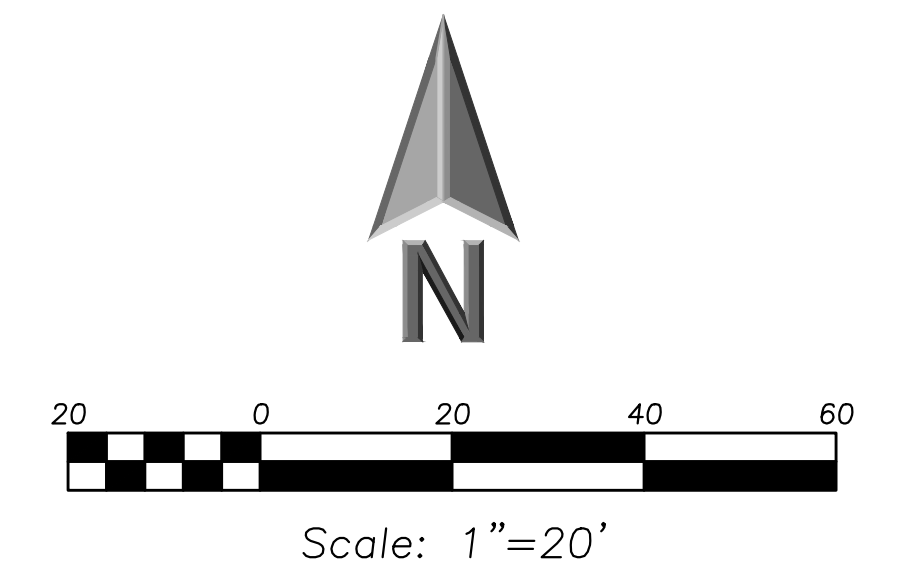
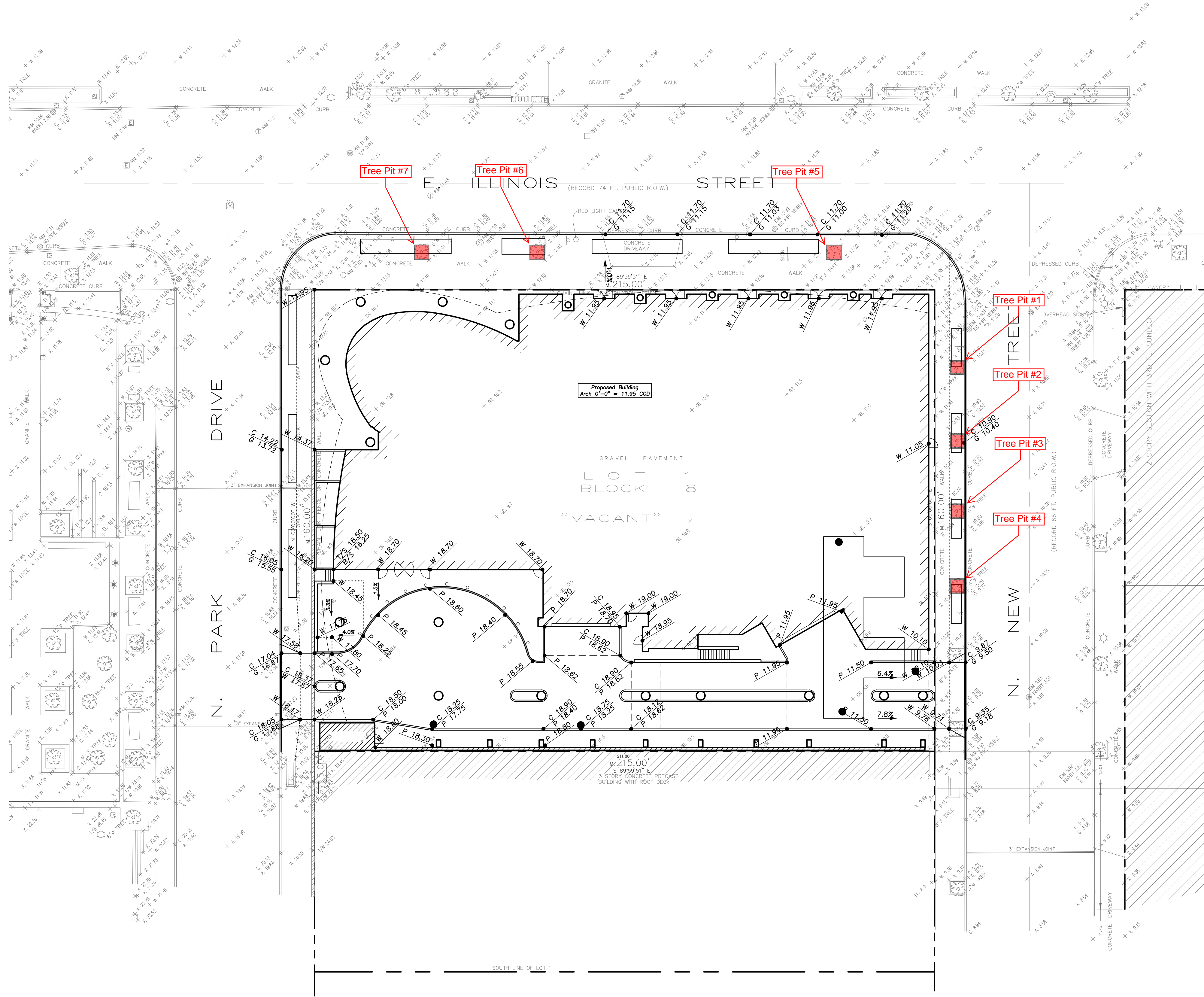
BURNHAM NATIONWIDE, INC.
111 W. WASHINGTON ST. APT./SUITE 450
CHICAGO, IL 60602
U.S.A.
(312)407-7990

Restrictions:

1. A copy of the permit must remain on-site for inspector's review.
2. Storage of material or equipment WILL NOT be allowed on the Canopy unless a letter is submitted to the Public-Way Permit Office from a State of Illinois licensed structural engineer stating that the vaulted sidewalk can structurally support the weight of the Canopy and materials/equipment.
3. Pedestrian walkway must be kept free of all obstructions and debris.
4. Sight clearance of all traffic signals and regulatory signs must be maintained at all times.
5. Maintain fire hydrant and manhole access.
6. Construction and maintenance of permitted canopy must be in conformity with all pertinent provisions of the Municipal Code of Chicago and the Chicago Department of Transportation Regulations for Openings, Construction, and Repair in the Public Way including, but not limited to, provisions pertaining to accessibility requirements for persons with disabilities.

Fees:

ANOTATED DRAWING AND RESULTS



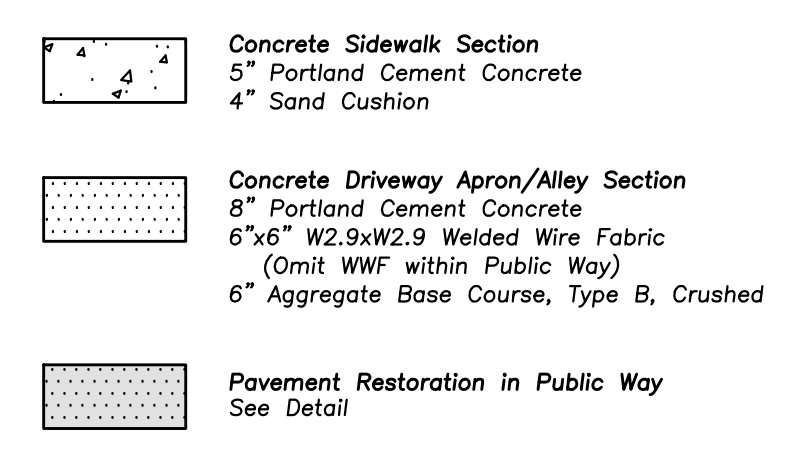
Reserved for Municipal Approval

640 north la Salle 312 337 3344 architecture
 suite 400 312 337 8009 1 urban planning
 chicago il 60654 interiors
 pappageorgehaymes partners
 www.pappageorgehaymes.com

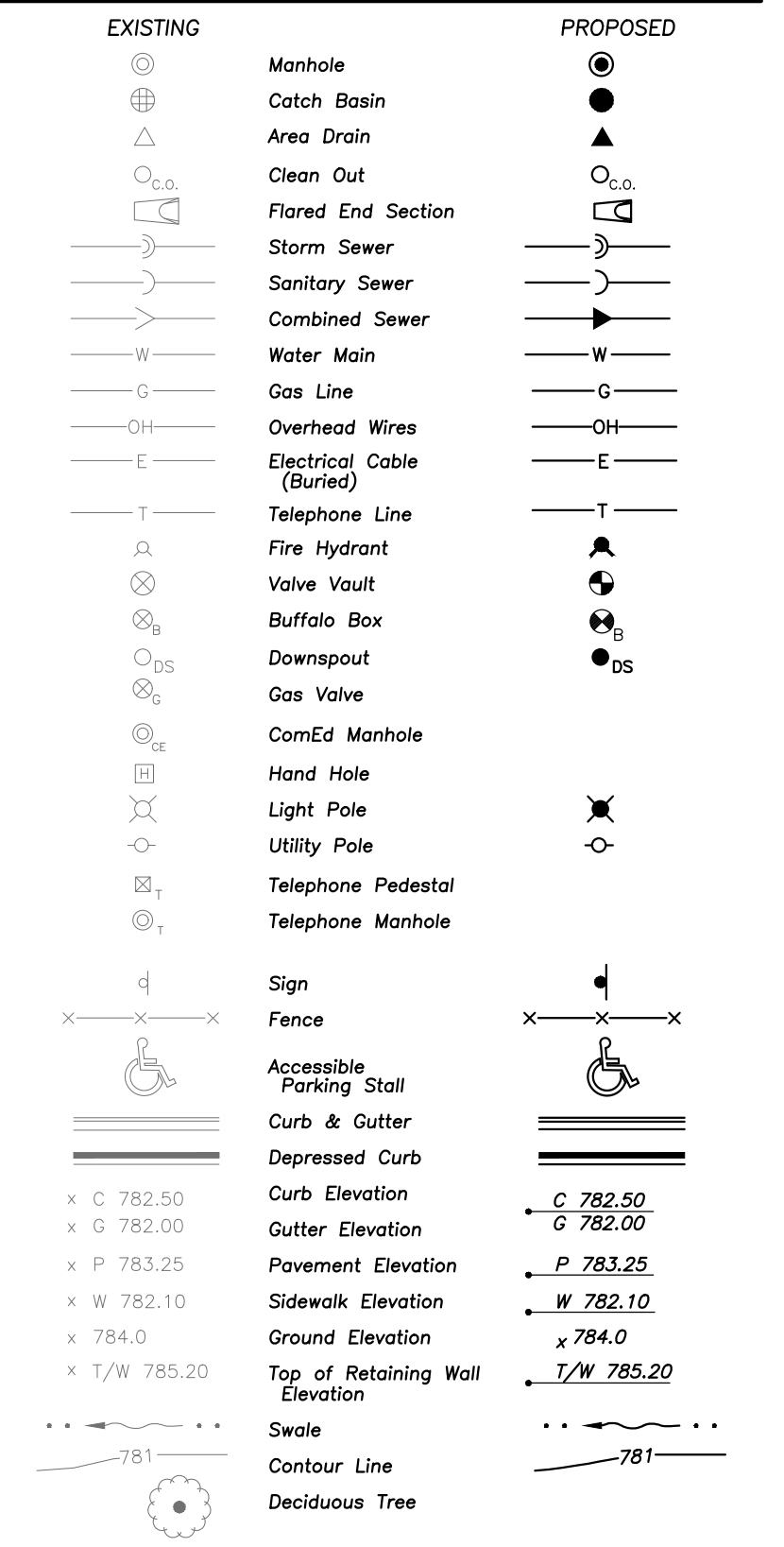
GRADING NOTES

1. Install And Maintain Silt Fence at the Perimeter of the Construction Zone. Install Hay Bale Erosion Control Around All Proposed and Existing Structures Receiving Drainage From Disturbed Areas. Silt Fabric Under the Lid is Not an Acceptable Alternative in Landscaped Areas.
2. The Grading and Construction of Proposed Improvements Shall Be Done in A Manner Which Will Allow For Positive Drainage, and Not Cause Ponding of Stormwater on the Surface of Proposed Improvements.
3. All Landscaped Areas Disturbed By Construction Shall Be Respread With 6 Inches (Min.) to 12 Inches (Max.) Topsoil and Hydroseded Unless Noted Otherwise On The Landscape Drawings.
4. Refer to Architectural Drawings for Locations and Patterns of Expansion and Control Joints in Concrete Pavement and Sidewalks.
5. Accessible Parking Spaces and Loading Spaces Shall Be Sloped at Maximum 2.0% in Any Direction. Maximum Sidewalk Cross Slopes Shall be 2.0%. Maximum Longitudinal Sidewalk Slope Shall Be 4.9%. Contact Engineer if Conflicts Exist.
6. <<Where Borrow us anticipated>>Conditions May Require Contractor to Excavate Clay Borrow Pit in Order to Produce Suitable Fill Material for Building Pad Preparation or Site Paving. Borrow Pit Shall Not Be Located in Proposed Hardscape Areas. Contractor Shall Backfill Borrow Pit to Meet Proposed Grades, or Existing Grades in Otherwise Undisturbed Areas, and May Use Topsoil and Unsuitable Material to Backfill. Review Soil Studies Prior to Excavation.

PAVING & SURFACE LEGEND

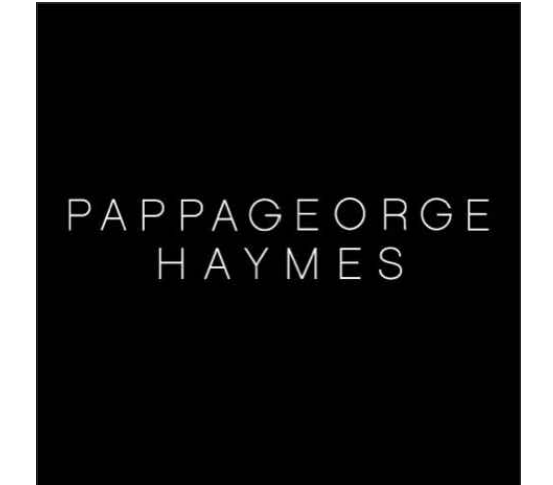


LEGEND



GENERAL NOTES

1. The Location of Existing Underground Utilities, Such As Watermains, Sewers, Gas Lines, Etc., As Shown On The Plans, Has Been Determined From The Best Available Information and is Given For The Convenience of The Contractor. However, The Owner and The Engineer Do Not Assume Responsibility in The Event That During Construction, Utilities Other Than Those Shown May Be Encountered and That The Actual Location of Those Which Are Shown May Be Different From The Location As Shown On The Drawings. Contact Engineer Immediately if Surface and/or Subsurface Features Are Different Than Shown On The Drawings.
2. Notify The Engineer Without Delay of Any Discrepancies Between the Drawings and Existing Field Conditions.
3. Notify The Owner, Engineer and The City of Chicago: Utility Alert Network at 312-744-7000 A Minimum of 48 Hours in Advance of Performing Any Work.
4. All Areas, On or Off Site, Disturbed During Construction Operations and Not Part of the Work As Shown Hereon Shall Be Restored to Original Condition to the Satisfaction of the Owner at No Additional Cost to the Owner. It is Incumbent Upon Contractor to Show That Damaged Areas Were Not Disturbed By Construction Operations.
5. These Drawings Assume That The Contractor Will Utilize An Electronic Drawing File (DWG) and Stake All Site Improvements Accordingly.
6. No Person May Utilize The Information Contained Within These Drawings Without Written Approval From Eriksson Engineering Associates, Ltd.
7. The Engineer is Furnishing These Drawings For Construction Purposes As A Convenience To The Owner, Architect, Surveyor, or Contractor. Prior To The Use Of These Drawings For Construction Purposes, The User Of This Media Shall Verify All Dimensions And Locations Of Buildings With The Foundation Drawings And Architectural Site Plan, and Coordinate All Dimensions and Locations of All Site Items. If Conflicts Exist The User Of This Information Shall Contact The Engineer Immediately.
8. Provide An As-built Survey Prepared By A Licensed Professional Land Surveyor in Accordance With The Authorities Having Jurisdiction Which May Include All Detention Basins, Including All Storm and Sanitary Sewers and Structure Locations, Sizes, Rim and Invert Elevations, Final Detention Volume Calculations For The Basin(s) and Watermain and Valve and Appurtenance Locations.
9. The Illinois Department Of Transportation Standard Specifications For Road And Bridge Construction Latest Edition, And All Addenda Thereto, Shall Govern The Earthwork And Paving Work Under This Contract Unless Noted Otherwise.



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 These drawings may have been reproduced at a size different than originally drawn. Owner and Architect assume no responsibility for use of incorrect scale. Contractor shall verify all existing conditions prior to proceeding with construction and notify architect immediately of any discrepancies or conflicts.



465 North Park Drive
 Chicago, IL 60611
 Jupiter Communities LLC
 MetLife

date	description
01.18.2016	Schematic Design Package

orientation

project number 132219

scale As Noted

date 01/20/16

GRADING AND PAVING PLAN

sheet number

NOT FOR CONSTRUCTION

C400

Survey Equipment

Ludlum 2221 S/N:	326720
Probe 2x2 NaI S/N:	PR360158
Shielded:	7,293cpm
Background:	1,670 cpm shielded
Source Block:	-
Personnel:	A. Kozak
Date:	6/20/18, 6/22/18, 7/13/18

Survey Results

<u>Section</u>	<u>Depth</u>	<u>Readings</u>
1	0"	1700-3300*
	18"	1200-2400
2	0"	1000-2500*
	18"	1800-2900
3	0"	1000-2000*
	18"	1400-3100
4	0"	1300-2300*
	18"	1900-2700
5	0"	**
	16"	1200-2100
6	0"	**
	16"	1440-2320
7	0"	**
	16"	1380-1620

Notes: * surface survey documented and filed on July 12, 2018; Radiological Survey of a Sidewalk and Curb Replacement.

** tree planters installed additional 10-inches above sidewalk grade.

PHOTO

E. ILLINOIS ST. TREE PLANTER (PHOTO LOOKING WEST)

