

Appendix T
27th Street Sewers Inspection Summary
26th Street Catch Basin Inspection Summary

December 17, 2020

Ms. Abby Mazza
City of Chicago
Department of Assets, Information and Services
Bureau of Environmental, Health & Safety Management
2 North LaSalle, Suite 200
Chicago, Illinois 60602-3704

**Subject: 27th Street Sewers Inspection Summary – November 19, 2020
26th Street Catch Basin Inspection Summary – November 24 and
December 8 and 11, 2020
Former Carnotite Reduction Company Site
434 East 26th Street
Chicago, Illinois**

Dear Ms. Mazza:

On November 19, 2020, Tetra Tech, Inc. (Tetra Tech) conducted a site inspection to document the current condition of sewers in the East 27th Street right-of-way south of the site and one sewer in the southern portion of the site near the former tennis court area for the City of Chicago Department of Assets, Information and Services (AIS) under Task Order Request 14-2FMEHS-00018 for the Former Carnotite Reduction Company (Carnotite) site. On November 24 and December 8 and 11, 2020, Tetra Tech inspected catch basins located in the north and south curbs of East 26th Street east of Dr. Martin Luther King Jr. (King) Drive. A figure documenting the sewer and catch basin locations inspected is attached. Photographic documentation of the site inspections is also attached.

During sewer inspection activities on November 19, 2020, Tetra Tech visited the site and documented the following:

- Five sewer manholes along the 27th Street right-of-way south of the site (Manholes H through L and the sewer on King Drive) were opened and inspected. Manhole G west of the former tennis court area was also opened and inspected.
- All sewer manholes, except the manhole on King Drive, contained debris, including leaves, wood chips, gravel, and soil.
- Manhole H east-west laterals were not visible due to significant amounts of leaves, wood chips and soil. However, one inlet pipe was observed near the top northwest wall of the manhole.
- The pipe integrity of the sewers along the 27th Street right-of-way (Manholes H through L) and Manhole G are unknown because the manholes were dry and contained significant amounts of debris; therefore, conveyance of sewer water through the pipes was not evident.

During catch basin inspection activities on November 24 and December 8 and 11, 2020, Tetra Tech visited the site and documented the following:

- The catch basin along the north curb of East 26th Street was measured 14 feet east of King Drive.
- The catch basin along the south curb of East 26th Street is approximately 13 feet east of King Drive.
- In the north catch basin, an outflow pipe, estimated as 10 inches in diameter, was observed on the south manhole wall approximately 5 to 6 feet below ground surface in the manhole.
- Stan A. Huber Consultants, Inc. lowered a Ludlum Model 2221 into the north catch basin to measure gamma activity in the catch basin. A reading of 1,800 counts per minute (CPM) was detected. The site-specific screening level indicating potential contamination is equivalent to twice background, which is 5,666 CPM for this instrument.
- Between the December 8 and 11 site visits, the City of Chicago Department of Water Management (DWM) cleaned the north catch basin and removed a metal vortex restrictor covering the outflow pipe.
- The south catch basin manhole was recently reconstructed and both the catch basin and outflow pipe were cleaned by DWM.
- The diameter of the south catch basin outflow pipe is documented as 10 inches in City of Chicago sewer drawings.
- On December 11, Tetra Tech successfully pushed an endoscope about 15 feet and 20 feet through the north and south catch basin laterals, respectively. These distances were about equivalent to the distance to the main sewer line in the 26th Street center line.
- No obstructions were noted in the south catch basin lateral.
- In the north catch basin, some build up of soil/sludge was noted in the lateral 6 to 12 inches from the manhole.
- No additional catch basins or sewer manholes were observed on E. 26th Street, east of King Drive other than those previously documented on the site-specific Existing Conditions Drawing C-2.

If you have any questions regarding this site inspection summary, please contact me at (312) 201-7480.

Sincerely,

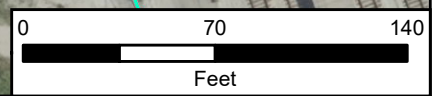
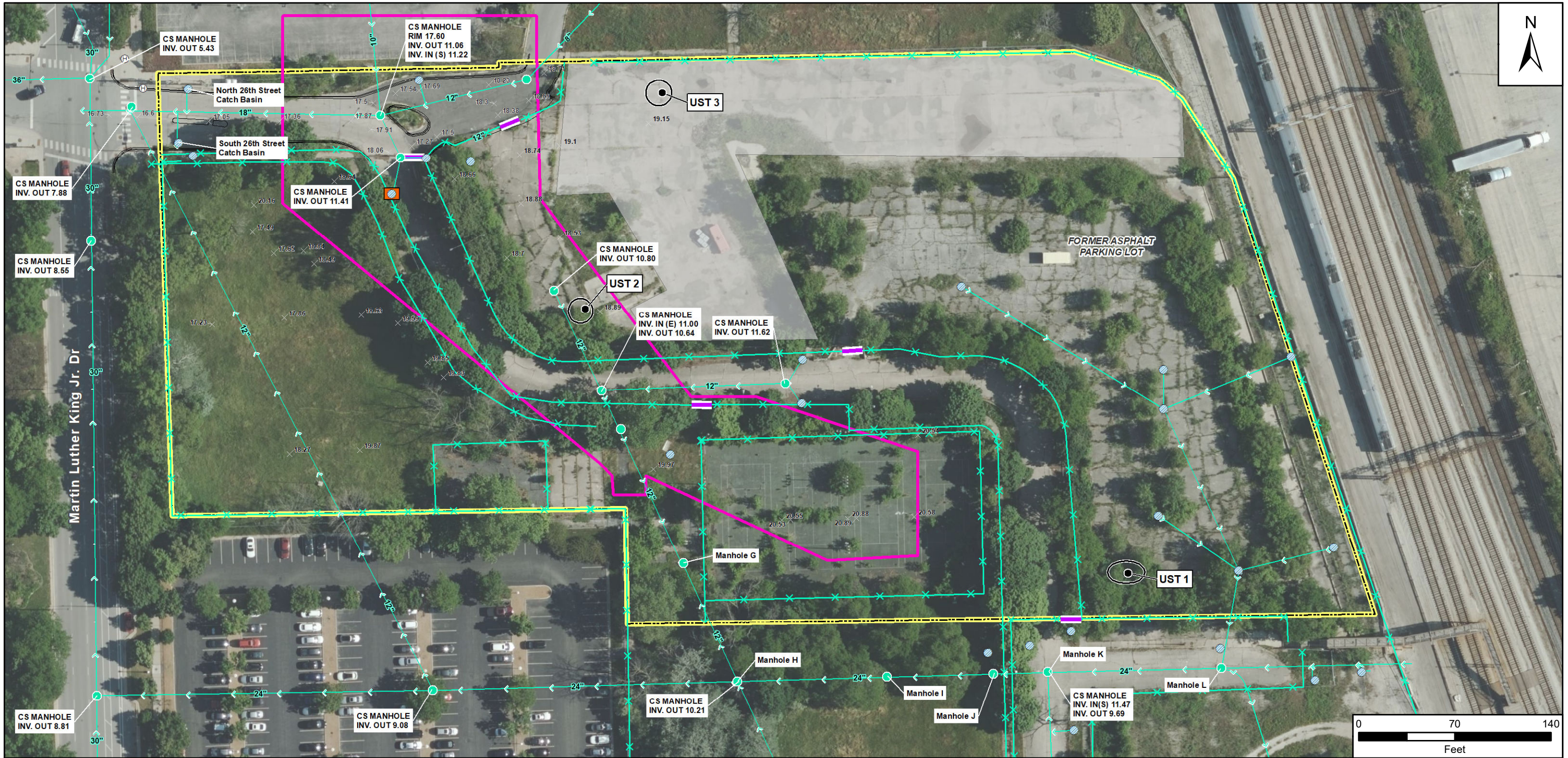


Kristine Schnoes
Environmental Scientist

cc: Ram Ramasamy, AIS
Stacey Durley, Tetra Tech
Carol Nissen, Tetra Tech
Glenn Huber, Stan A. Huber Consultants, Inc.

Attachments: Sewer and Catch Basin Inspection Locations Map
Photographic Documentation 27th Street Sewers
Photographic Documentation 26th Street Catch Basins

**SEWER AND CATCH BASIN
INSPECTION LOCATIONS**



<ul style="list-style-type: none"> Catch Basin Closed Lid Sewer Manhole Inlet 	<ul style="list-style-type: none"> Radioactive Facility License Boundary UST Location Approximate Excavation Location Approximate location of the former building concrete slab and footers 	<ul style="list-style-type: none"> Existing Fence Existing Gate 	<ul style="list-style-type: none"> 20.58 Ground Elevation CS = Combined Sewer INV = invert elevation
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DESIGNED: C. NISSEN
 DRAWN: M. BANH
 PROJECT NO. 103S328401004
 DATE: DECEMBER 2020

DEPARTMENT OF ASSETS, INFORMATION AND SERVICES
 30 NORTH LASALLE ST. SUITE 300
 CHICAGO, IL 60602
 312.744.3900

TETRA TECH
 1 SOUTH WACKER DR
 SUITE #3700
 CHICAGO, IL 60606
 312.201.7700

FORMER CARNOTITE REDUCTION COMPANY SITE
 434 E. 26th STREET
 CHICAGO, ILLINOIS

SCALES:
 HORIZONTAL SCALE:
 AS SHOWN
 VERTICAL SCALE:
 N/A

**SEWER AND CATCH BASIN
 INSPECTION LOCATIONS**

**PHOTOGRAPHIC DOCUMENTATION
27TH STREET SEWERS**

Photographic Documentation
27th Street Sewers
Former Carnotite Reduction Company Site
434 East 26th Street
Chicago, Cook County, Illinois
November 19, 2020

Photo: 1

Description: Photo of sewer manhole on Dr. Martin Luther King (King) Drive at the 27th Street ROW. Water was observed flowing from east facing influent pipe, although the influent pipe was not visible. 30-inch King Drive sewer pipe was visible. No significant debris was observed.

Date taken:
November 19, 2020



Photo: 2

Description: Photo of sewer Manhole H east of Prairie Shores parking lot adjacent to the wooded area south of tennis court. Sewer observed to contain significant amount of leaves and debris. Primary east/west inlet and outlet pipes not visible. Inlet near top of manhole appears to be coming from Manhole G.

Date taken:
November 19, 2020



Photographic Documentation
27th Street Sewers
Former Carnotite Reduction Company Site
434 East 26th Street
Chicago, Cook County, Illinois
November 19, 2020

Photo: 3

Description: Photo of the sewer Manhole I about 80 feet east of Manhole H in grass area along the 27th Street ROW. East/west in and outflows pipes are visible at bottom of sewer. However, leaves and debris are also present.

Date taken:
November 19, 2020



Photo: 4

Description: Photo of the sewer Manhole J about 50 feet east of Manhole I along the 27th Street ROW in grass area inside site fence adjacent to Ellis Avenue. East/west in and outflows pipes are visible at bottom of sewer. However, leaves and debris are also present.

Date taken:
November 19, 2020



Photographic Documentation
27th Street Sewers
Former Carnotite Reduction Company Site
434 East 26th Street
Chicago, Cook County, Illinois
November 19, 2020

Photo: 5

Description: Photo of sewer Manhole K located in intersection of Ellis Avenue and 27th Street, about 35 feet east of Manhole J. East inflow pipe visible, west outflow pipe not visible. Debris including bricks is present.

Date taken:
November 19, 2020



Photo: 6

Description: Photo of sewer Manhole L located in 27th Street about 80 feet east of Manhole K. Large ~30-inch pipeline on east wall of manhole, pipes leading north, south, and east are also visible. Some debris in bottom of manhole.

Date taken:
November 19, 2020



**Photographic Documentation
27th Street Sewers
Former Carnotite Reduction Company Site
434 East 26th Street
Chicago, Cook County, Illinois
November 19, 2020**

Photo: 7

Description: Photo of sewer Manhole G, located east of tennis courts. Pipes visible leading southwest toward Prairie Shores parking lot and south/southeast.

Date taken:
November 19, 2020



**PHOTOGRAPHIC DOCUMENTATION
26TH STREET CATCH BASINS**

**Photographic Documentation
26th Street Catch Basins
Former Carnotite Reduction Company Site
434 East 26th Street
Chicago, Cook County, Illinois**

Photo: 1

Description: Photo of reconstructed catch basin on south side of East 26th Street east about 13 feet east of Dr. Martin Luther King (King) Drive. Note outflow pipe on northwest wall of manhole heading toward King Drive and tubing containing endoscope entering the pipe.

Date taken:
December 11, 2020



Photo: 2

Description: Photo of catch basin in the north curblane of East 26th Street, about 14 feet east of King Drive. An outflow pipe toward main sewer line in 26th Street center line was observed on the south manhole wall. Depth to outflow pipe estimated at 5 to 6 feet below ground surface.

Date taken:
December 11, 2020



**Photographic Documentation
26th Street Catch Basins
Former Carnotite Reduction Company Site
434 East 26th Street
Chicago, Cook County, Illinois**

Photo: 3

Description: Photo of SAHCI taking radiation readings with a Ludlum Model 2221 in the catch basin along the north curb of East 26th Street. A reading of 1,800 counts per minute (CPM) was detected approximately two feet below surface level. Site-specific screening level is 5,666 CPM (2x background).

Date taken:
November 24, 2020



Appendix U
Site Inspection Summary - October 2020
Temporary Power Supply Infrastructure

November 17, 2020

Ms. Abby Mazza
City of Chicago
Department of Assets, Information and Services
30 North LaSalle, Suite 300
Chicago, Illinois 60606

**Subject: Site Inspection Summary – October 2020
Temporary Power Supply Infrastructure
Former Carnotite Reduction Company Site
434 East 26th Street
Chicago, Illinois**

Dear Ms. Mazza:

On October 14, 2020, Tetra Tech, Inc. (Tetra Tech) conducted a site inspection to document the current condition of on-site temporary power supply infrastructure for the City of Chicago Department of Assets, Information and Services (AIS) under Task Order Request 14-2FMEHS-00018 for the Former Carnotite Reduction Company (Carnotite) site.

During quarterly monitoring activities on October 1, 2020, Stan A. Huber Consultants, Inc. discovered that the on-site temporary power lines and associated poles supplying power to the perimeter air monitoring stations at the Carnotite site had been vandalized and damaged. AIS immediately secured the on-site temporary power supply. AIS subsequently requested Tetra Tech to inspect and document the condition of the damaged infrastructure. Therefore, Tetra Tech visited the site on October 14 and documented the following:

- The power pole for air monitoring station (AM)-1 was upright and the power line was attached, and it extended to the next power pole to the east.
- The next power pole (between AM-1 and AM-2) was still upright with the power line wound up and attached to the top of the pole.
- The remaining three (3) power poles (including AM-2) on the east side of the site were tipped over with no power lines present around or between them.
- All the power poles on the west side of the site were still standing and had power lines connected between them. The power lines extended from the AM-4 toward AM-3 and further to the east until the last power pole adjacent to East 26th Street where the power line was wound up and attached to the top of the tennis court light pole.
- The site is overgrown with weeds, tall grasses, and trees throughout the site.
- All fencing appeared to be intact in the areas that were observable.
- There was one set of tire tracks present in the grass on the west side of the site.

Photographic documentation of the site inspection is attached.

Ms. Mazza
November 17, 2020
Page 2

If you have any questions regarding this site inspection summary, please contact me at (312) 201-7480.

Sincerely,

A handwritten signature in cursive script that reads "Kristine K. Schnoes".

Kristine Schnoes
Project Manager

cc: Ram Ramasamy, AIS
Carol Nissen, Tetra Tech
Glenn Huber, Stan A. Huber Consultants, Inc.

**Photographic Documentation
Former Carnotite Reduction Company Site
434 East 26th Street
Chicago, Cook County, Illinois
October 14, 2020**

Photo: 1

Description: Photo of utility pole near AM-1.

Orientation:
Facing North

Date taken:
October 14, 2020



Photo: 2

Description: Photo of utility pole and power line to the east of AM-1.

Orientation:
Facing East

Date taken:
October 14, 2020



**Photographic Documentation
Former Carnotite Reduction Company Site
434 East 26th Street
Chicago, Cook County, Illinois
October 14, 2020**

Photo: 3

Description: Photo of the first utility pole after AM-1.

Orientation:
Facing East

Date taken:
October 14, 2020



Photo: 4

Description: Photo of the first utility pole after AM-1 looking back at AM-1. Note the wound-up power line.

Orientation:
Facing West

Date taken:
October 14, 2020



**Photographic Documentation
Former Carnotite Reduction Company Site
434 East 26th Street
Chicago, Cook County, Illinois
October 14, 2020**

Photo: 5

Description: Photo of utility pole that is tipped over between AM-1 and AM-2. Note that no power lines are present.

Orientation:
Facing East

Date taken:
October 14, 2020



Photo: 6

Description: Photo of utility pole that is tipped over between AM-1 and AM-2. Note that no power lines are present.

Orientation:
Facing West

Date taken:
October 14, 2020



**Photographic Documentation
Former Carnotite Reduction Company Site
434 East 26th Street
Chicago, Cook County, Illinois
October 14, 2020**

Photo: 7

Description: Photo of utility pole at AM-2. Note that no power lines are present.

Orientation:
Facing South

Date taken:
October 14, 2020



Photo: 8

Description: Photo of utility pole at AM-2. Note that no power lines are present.

Orientation:
Facing North

Date taken:
October 14, 2020



**Photographic Documentation
Former Carnotite Reduction Company Site
434 East 26th Street
Chicago, Cook County, Illinois
October 14, 2020**

Photo: 9

Description: Photo of utility pole to the southwest of AM-2.

Orientation:
Facing Southwest

Date taken:
October 14, 2020



Photo: 10

Description: Photo of utility pole at AM-4.

Orientation:
Facing Southwest

Date taken:
October 14, 2020



**Photographic Documentation
Former Carnotite Reduction Company Site
434 East 26th Street
Chicago, Cook County, Illinois
October 14, 2020**

Photo: 11

Description: Photo of tracks through the site near AM-4.

Orientation:
Facing Northwest

Date taken:
October 14, 2020



Photo: 12

Description: Photo of utility pole between AM-3 and AM-4

Orientation:
Facing North

Date taken:
October 14, 2020



**Photographic Documentation
Former Carnotite Reduction Company Site
434 East 26th Street
Chicago, Cook County, Illinois
October 14, 2020**

Photo: 13

Description: Photo of utility pole between AM-3 and AM-4.

Orientation:
Facing West

Date taken:
October 14, 2020



Photo: 14

Description: Photo of utility pole AM-3.

Orientation:
Facing Southeast

Date taken:
October 14, 2020



**Photographic Documentation
Former Carnotite Reduction Company Site
434 East 26th Street
Chicago, Cook County, Illinois
October 14, 2020**

Photo: 15

Description: Photo of utility pole to the southeast of AM-3.

Orientation:
Facing Northeast

Date taken:
October 14, 2020



Photo: 16

Description: Photo of utility pole to the southeast of AM-3.

Orientation:
Facing Southeast

Date taken:
October 14, 2020



**Photographic Documentation
Former Carnotite Reduction Company Site
434 East 26th Street
Chicago, Cook County, Illinois
October 14, 2020**

Photo: 17

Description: Photo of utility pole to the immediate west of E. 26th Street.

Orientation:
Facing Southeast

Date taken:
October 14, 2020



Photo: 18

Description: Photo of powerline attached to a tennis court light pole to the immediate west of E. 26th Street.

Orientation:
Facing Southeast

Date taken:
October 14, 2020



**Photographic Documentation
Former Carnotite Reduction Company Site
434 East 26th Street
Chicago, Cook County, Illinois
October 14, 2020**

Photo: 19

Description: Close-up photo of wound-up powerline attached to the tennis court light pole to the immediate west of E. 26th Street.

Orientation:
Facing Southeast

Date taken:
October 14, 2020

