

August 17, 2020

959684

Ms. Nancy E. Paridy, Esq.  
Senior Vice President, Chief Administrative Officer  
Shirley Ryan AbilityLab  
355 East Erie Street  
Chicago, IL 60611

RE: Radiological Survey of Right-of-Way Utility Excavation  
Permit No.: CDOT1250730  
Permit Address: 355 E. Erie St., Chicago, IL  
AECOM Project No. 60305263

Dear Ms. Paridy:

Pursuant to conditions specified in the right-of-way (ROW) form (attached) issued by the City of Chicago Department of Public Health (CDPH), radiation monitoring was required to be performed at the above referenced site. AECOM Technical Services, Inc. (AECOM) provided the required radiation surveillance between July 2 and 20, 2020 for trench excavations to reconfigure a sewer line in order to add a manhole within the E. Erie Street sidewalk. The excavation varied in width from 3.5 to 6 feet, while the depth ranged from 10 to 10.5 feet. In total, there was approximately 45 linear feet of excavated trench (refer to the attached photographs and sketch). The excavation work was conducted with a hydro-vac truck because the numerous utilities did not allow use of an excavator. Spoil from the excavation was disposed at a landfill and the excavation backfilled with clean fill.

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 Model 2221 survey meters and shielded 2 x 2 inch NaI probes (Model 44-10). For the instruments used the gamma count threshold indicative of the 7.1 pCi/g removal action level were 4,490 (S/N: 176944) counts per minute (cpm) and 6,288 cpm (S/N: 172039) shielded utilizing long cords. Field instrument background values were collected within the planters near the excavation, which ranged from 1,318 to 1,874 cpm.

On July 2, 2020, a small opening in the pavement was excavated in the project area in order to collect a fill sample for waste characterization. The sample was collected with a shovel from the upper several feet of fill. The maximum gamma reading observed in situ was just over 3,000 cpm shielded. The sewer line excavation work was initiated on July 13 and completed on July 20, 2020. The excavation was conducted using a hydro-vac truck due to the numerous utilities. As a result, all the field gamma measurements were collected in situ with a long probe cord as the excavation proceeded. The trench was divided into five (5) separate areas for the purpose of collecting the gamma screening results (refer to sketch). The gamma results for each area are summarized in the attached table. The gamma counts observed ranged from 1,300 cpm to a maximum of 4,980 cpm. The lowest gamma results were observed in areas of limestone gravel backfill, while the highest counts were collected in sections that were dominated with clay brick debris.

Based on the observed field screening results 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 CDPH form, a sketch, photographs and the tabulated gamma results are included as attachments. As part of the permit conditions, a PDF copy of this letter report was forwarded via email to Terry Sheahan (CDPH) and Verneta Simon (USEPA) to fulfill the requirements of the CDPH.

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Permit Address: 355 E. Erie St., Chicago, IL  
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Please contact us with any questions you have regarding this letter or the reported results.

Regards,



Jennifer Nagle  
Environmental Scientist



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

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

Attachments: CDPH Permit Form  
Survey Sketch and Tabulated Gamma Results  
Photographs

**CDPH PERMIT FORM**



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): Luke Daugherty

Signature: [Handwritten Signature]
355 E Eerie

Site Address and Work Location (Describe exact site location and attach map):

Tying in Storm Sewer and New Structure into Eerie Street (Map incl.)

Nature of Work: Excavation and installing new sewer structure/piping

Company Name, Address, Phone No.: Shirley Ryan Ability Lab, 355 E Eerie

General / Prime Contractor Name, Address, Phone No.: Power Construction/ Great Lakes Plumbing/ 312.995.9549

Include subcontractor information if applicable, Safety Officer / Phone No. Shaun Rainey / 847-417-4959

Radiation Contractor / Phone No. and email address (if applicable) AECOM / Steve Kornder/262.515.7700

Check if City Department Work [ ] Department Name:

CDOT Permit No.: DOT1250730

Today's Date: 6/17/2020 Expected Start Date: 6/29/2020 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



**ERIKSSON  
ENGINEERING  
ASSOCIATES, LTD.**

145 COMMERCE DRIVE, SUITE A  
GRAYSLAKE, ILLINOIS 60030  
PHONE: (847) 223-4804  
FAX: (847) 223-4864  
EMAIL: INFO@EEA-LTD.COM  
PROFESSIONAL DESIGN FIRM  
LICENSE NO. 184-003220  
EXPIRES: 04/30/2021

**SHIRLEY RYAN ABILITY LAB  
SANITARY SEWER  
CONSTRUCTION**  
355 E ERIE STREET  
CHICAGO, ILLINOIS 60640

Reserved for Seal:

No.	Date	Description
1	09/11/19	ISSUE FOR OWNER REVIEW

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THIS PLAN & SPEC. ARE THE PROPERTY OF ERIKSSON ENGINEERING ASSOCIATES, LTD.  
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Design By: A/JC      Approved By: JG      Date: 09/06/19

Sheet Title:  
**EXISTING  
CONDITIONS**

Sheet No:  
**C001**

# GREMLEY & BIEDERMANN

A DIVISION OF  
**PLCS Corporation**  
LICENSE NO. 184-005332

PROFESSIONAL LAND SURVEYORS

4505 NORTH ELSTON AVENUE, CHICAGO, IL 60630  
TELEPHONE: (773) 685-5102 EMAIL: INFO@PLCS-SURVEY.COM

## Plat of Survey

THAT PART OF E. ERIE STREET IN SECTION 10, TOWNSHIP 39 NORTH, RANGE 14 EAST OF THE THIRD PRINCIPAL MERIDIAN AND DESCRIBED AS FOLLOWS: BEGINNING AT A POINT OF INTERSECTION OF THE WEST LINE OF N. MCCLURG COURT AND THE SOUTH LINE OF E. ERIE STREET ALSO BEING THE NORTH LINE OF LOTS 4 AND 5 IN CIRCUIT COURT PARTITION OF OGDEN ESTATE SUBDIVISION OF BLOCKS 20, 31 AND 32 IN KINZIE'S ADDITION TO CHICAGO; THENCE NORTH 89°47'01" WEST ALONG THE SOUTH LINE OF E. ERIE STREET 305.05 FEET TO THE NORTHWEST CORNER OF SAID LOT 5; THENCE NORTH 00°12'59" EAST 74.00 FEET TO A POINT ON THE NORTH LINE OF E. ERIE STREET ALSO BEING THE SOUTH LINE OF LOT 6 IN COUNTY CLERK'S DIVISION OF THE UNSUBDIVIDED ACCRETIONS; THENCE SOUTH 89°47'01" EAST ALONG THE NORTH LINE OF E. ERIE STREET 305.09 FEET TO THE INTERSECTION OF THE NORTH LINE OF E. ERIE STREET AND THE WEST LINE OF N. MCCLURG COURT; THENCE SOUTH 00°14'40" WEST 74.00 FEET TO THE POINT OF BEGINNING, IN COOK COUNTY, ILLINOIS.

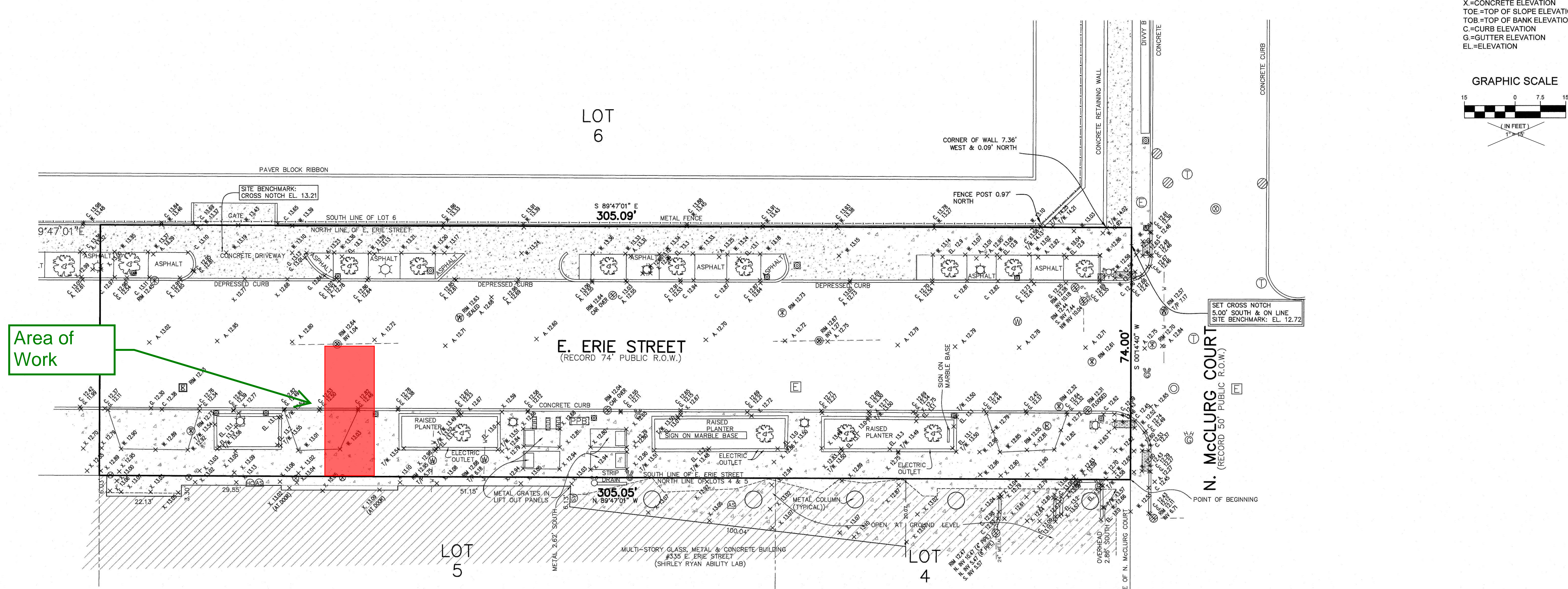
AREA OF PROPERTY = 22,575 SQ. FT. OR 0.52 ACRES MORE OR LESS

### LEGEND

- ⊙ Storm CB
- ⊙ San Storm Combo MH
- ⊙ San Clean Out
- ⊙ Water MH
- ⊙ Water Fire Hydrant
- ⊙ Telephone MH
- ⊙ Electric Manhole
- ⊙ Electric MH
- ⊙ Electric Hand Hole
- ⊙ Electric Light Pole
- ⊙ Gas Buffalo Box
- ⊙ Tree - Deciduous
- ⊙ Tree - Evergreen
- ⊙ Sign Post
- ⊙ Bumper Post
- ⊙ Auto Sprinkler
- ⊙ Hose Connection
- ⊙ Cut Cross

A=ASPHALT ELEVATION  
GR=GRAVEL ELEVATION  
FFE=FINISHED FLOOR ELEVATION  
W=WALK ELEVATION  
X=CONCRETE ELEVATION  
TOE=TOP OF SLOPE ELEVATION  
TOB=TOP OF BANK ELEVATION  
C=CURB ELEVATION  
G=GUTTER ELEVATION  
EL=ELEVATION

### GRAPHIC SCALE



Area of Work

ORDERED BY: ERIKSSON ENGINEERING ASSOCIATES LTD  
ADDRESS: 355 E. ERIE STREET  
**GREMLEY & BIEDERMANN**  
PLCS CORPORATION  
LICENSE NO. 184-005332  
PROFESSIONAL LAND SURVEYORS  
4505 NORTH ELSTON AVENUE, CHICAGO, IL 60630  
TELEPHONE: (773) 685-5102 EMAIL: INFO@PLCS-SURVEY.COM

DATE: AUGUST 19, 2019  
SCALE: 1" = 15' FEET  
PAGE NO.: 1 OF 1

ORDER NO.: 2019-27050-001

**SURVEY NOTES:**  
SURVEYOR'S LICENSE EXPIRES November 30, 2020  
Note R. & M. denotes Record and Measured distances respectively.  
Distances are marked in feet and decimal parts thereof. Compare all points BEFORE building by same and at once report any differences BEFORE damage is done.  
For assessments, building lines and other restrictions not shown on survey plat refer to your abstract, deed, contract, title policy and local building line regulations.  
NO dimensions shall be assumed by scale measurement upon this plat.  
Monumentation or witness points were not set at the clients request.  
Unless otherwise noted hereon the Bearing Basis, Elevation Datum and Coordinate Datum if used is ASSUMED.  
COPYRIGHT GREMLEY & BIEDERMANN, INC. 2019 "All Rights Reserved"

**UTILITY WARNING**  
The underground utilities shown have been located from field survey information and existing drawings. The surveyor makes NO guarantee that the underground utilities shown comprise all such utilities in the area, either in service or abandoned. The surveyor further does not warrant that the underground utilities shown are in the exact location indicated although he does certify that they are located as accurately as possible from information available. The surveyor has not physically located the underground utilities.  
Call DIGGER - (312) 744-7000 within the City of Chicago.  
Outside of the City of Chicago call J.U.I.E. (800) 892-0123 prior to construction or excavation.

**PRIMARY BENCHMARK**  
CITY OF CHICAGO BENCHMARK #4356  
ELEVATION= 15.812  
LOCATION: HURON & LAKE SHORE DRIVE  
ABOUT ON NORTH LINE OF HURON  
ABOUT 57.5 FEET WEST OF THE WESTERLY EDGE OF SIDEWALK  
ON WEST SIDE OF LAKE SHORE DRIVE

**MARK CUT AT ANGLE OF STONE BASE AT SOUTHEASTERLY CORNER OF BUILDING (#700 LAKE SHORE DRIVE)**

**SECONDARY BENCHMARK**  
CITY OF CHICAGO BENCHMARK #4355  
ELEVATION= 13.897  
LOCATION: FAIRBANKS AND ERIE  
MARK CUT ON BOTTOM STEP AT EAST SIDE OF ENTRANCE ON NORTH SIDE OF 7 STORY BRICK BUILDING.  
MARK IS 35.85' WEST OF THE NORTHEAST CORNER OF BUILDING AT SOUTHWEST CORNER OF FAIRBANKS AND ERIE.

State of Illinois  
County of Cook

We, GREMLEY & BIEDERMANN, INC. hereby certify that we have surveyed the above described property and that the plat hereon drawn is a correct representation of said survey corrected to a temperature of 62° Fahrenheit.

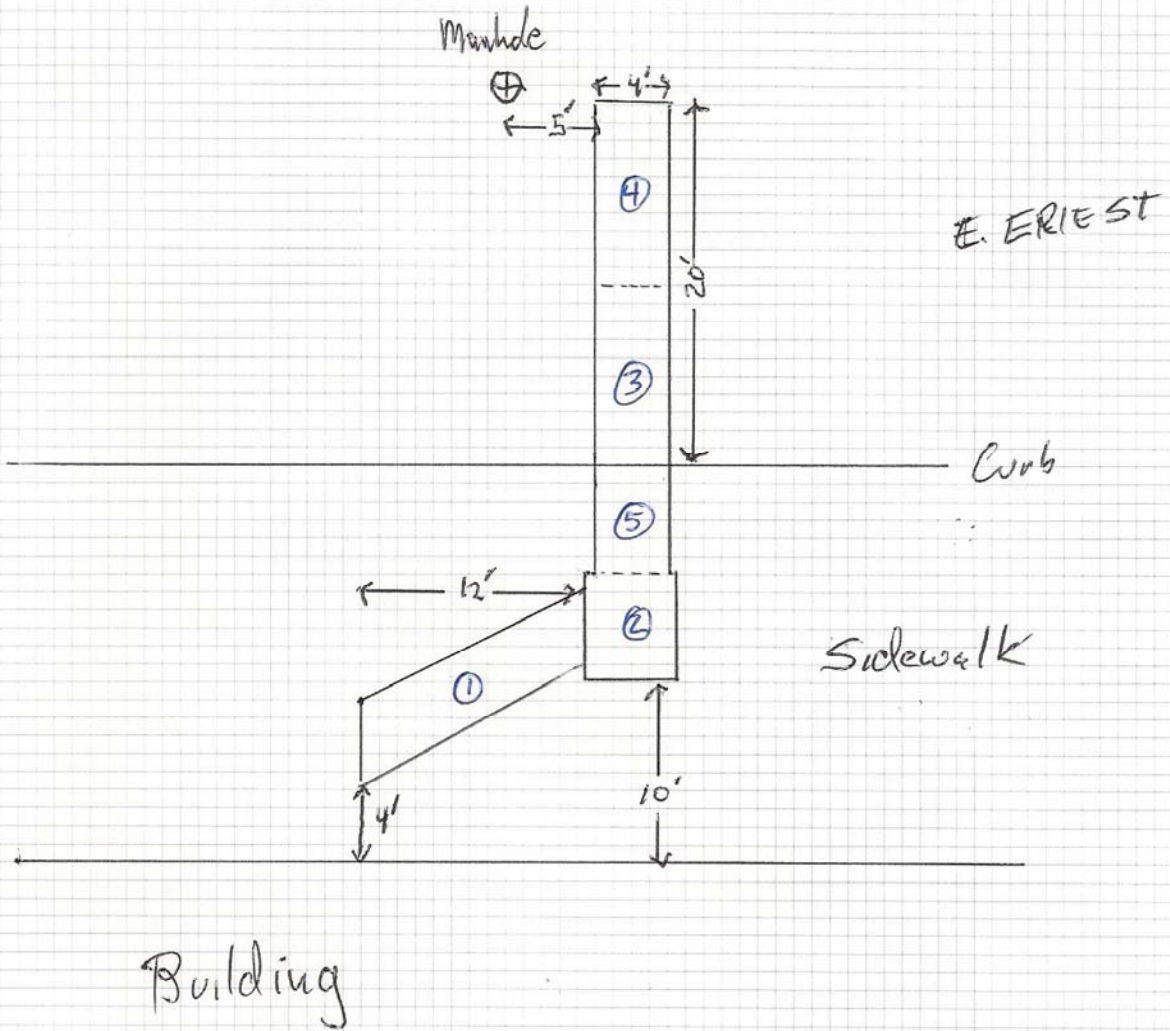
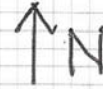
Field measurements completed on August 19, 2019.  
Signed on August 28, 2019  
By: *R. G. Biedermann*  
Professional Illinois Land Surveyor No. 2802  
This professional service conforms to the current Illinois minimum standards for a boundary survey.

**SURVEY PROVIDED BY GREMLEY & BIEDERMANN  
AND SHOWN FOR INFORMATIONAL PURPOSES  
ONLY AND DOES NOT REPRESENT AN ELEMENT  
DESIGNED BY ERIKSSON ENGINEERING  
ASSOCIATES, LTD.**

EAA - X:\Jeff\Shirley Ryan Ability Lab Drawings\ShirleyRyanAbilityLab\_SitePlan.dwg  
Plotted: 9/11/19 @ 8:26am By: jgeldmyer

## SKETCH AND GAMMA RESULTS

Refer to table  
for gamma results



## Gamma Survey Results - AbilityLab

### Survey Equipment

Location:	355 E Erie St
CDPH:	CDOT1250730
Ludlum 2221 S/N:	176944 & 172039
Cutoff (long cords):	4,490 & 6,288 cpm
Background:	1,318 and 1,874 cpm
Personnel:	S. Kornder & J Nagle
Date of Screening:	7/2/20 & 7/13-20/2020

### Survey Results

Location	Depth (inches)	Maximum Readings (cpm)	Ludlum (refer to notes)	
1	0-12	Pavement	1	
	12-24	1,300		
	24-42	2,030		
	42-60	1,986		
	60-78	2,360		
	78-96	2,210		
	96-114	2,740		
	114-126	2,650		
2	0-8	Pavement	1	
	8-26	1,408		
	26-44	2,650		
	44-62	3,227		
	62-80	3,530		
	80-98	2,780		
	98-116	3,230		
	116-124	3,230		
3	0-12	Pavement	2	
	12-30	4,980		
	30-48	3,866		
	48-72	3,686		
	3	72-90	2,585	1
		90-108	2,615	
		108-126	2,485	
		126-144	2,896	
4	0-12	Pavement	2	
	12-30	4,180		
	30-48	3,992		
	48-72	4,087		
	72-90	4,492		
	90-108	3,516		
	108-126	3,894		
5	0-6	Pavement	1	
	6-24	1,975		
	24-36	2,315		
	5	36-54	4,039	2
		54-72	4,182	
		72-90	2,607	
		90-108	3,115	
		108-126	3,369	
126-144	3,598			

Notes: 1 - Instrument 176944 with cutoff of 4,490 cpm.

2 - Instrument 172039 with cutoff of 6,288 cpm.



## PHOTOGRAPHS



Looking south at excavation and 355 E. Erie St. building.



Looking west at sidewalk excavation in front of exit ramp.