

# **RADON INVESTIGATION REPORT**

**CENTRAL BOULEVARD  
ELEMENTARY SCHOOL  
60 CENTRAL BOULEVARD  
BETHPAGE, NEW YORK 11714**

**PREPARED FOR:  
BETHPAGE UNION FREE SCHOOL DISTRICT  
10 CHERRY AVENUE  
BETHPAGE, NEW YORK 11714**

**JCB PROJECT #: 22-51660  
MAY 2022**

**J.C. BRODERICK & ASSOCIATES, INC.  
Environmental Consulting & Testing**

**1775 Expressway Drive North  
Hauppauge, New York 11788  
631-584-5492 Fax: 631-584-3395**



## Table of Contents

<b>Section No. 1.0: Introduction .....</b>	<b>1</b>
<b>Section No. 2.0: Site Description and Location .....</b>	<b>1</b>
<b>Section No. 3.0: Previous Radon Screening Sampling and Analysis .....</b>	<b>1</b>
<b>Section No. 4.0: Radon Sampling and Analysis.....</b>	<b>1</b>
<b>Section No. 4.1: Radon Laboratory Analytical Summary .....</b>	<b>2</b>
<b>Section No. 4.2: Long Term Radon Sampling.....</b>	<b>4</b>
<b>Section No. 5.0: Quality Assurance and Quality Control (QA/QC) Procedures.....</b>	<b>4</b>
<b>Section No. 6.0: Conclusions and Recommendations .....</b>	<b>4</b>

### **List of Tables**

Table No. 1 - Summary of Radon Samples Submitted for Laboratory Analysis

Table No. 2 - Summary of Radon Samples Analysis Results – 04-22-22

### **List of Figures**

Figure 1 - Site Location Map

Figure 2 - Crawlspace and Basement Sampling Locations

Figure 3 – First Floor Sampling Locations

### **Appendices**

Appendix A - Figures

Appendix B - Field Photograph Logs

Appendix C - Laboratory Analytical Report

### **Section No. 1.0: Introduction**

J.C. Broderick and Associates (JCB) was retained by the Bethpage Union Free School District (Bethpage) to perform an indoor air survey for radon gas as a result of identifying radium in the local groundwater by the Bethpage Water District and by JCB during the annual groundwater investigation at the Bethpage High School and Central Boulevard Elementary School.

### **Section No. 2.0: Site Description and Location**

The Subject Site is located at 60 Central Boulevard, Bethpage, New York 11714, at the western terminus of Central Boulevard. According to the United States Geological Survey (USGS) *Amityville, New York, 2016 7.5 Minute Series Topographical Map*, the Subject Site is situated at an approximate elevation of 98 feet (ft.) above mean sea level. Groundwater is estimated at approximately 40 feet below surface grade (bsg). The location of the Subject Site is shown on the Site Location Map, Appendix-A Figure-1.

### **Section No. 3.0: Previous Radon Screening Sampling and Analysis**

The detection of Radium 226 and 228 during annual testing of the groundwater at Bethpage High School prompted the sampling and analysis of the groundwater for Radium at the Central Boulevard Elementary School. In August 2017, JCB installed three (3) groundwater monitoring wells at the Central Boulevard Elementary School campus. During this investigation Radium was detected in the groundwater, as a result the building was tested for Radon. The laboratory analysis results from the Radon screening revealed concentrations of Radon exceeding 4.0 pCi/L; however, only in not frequently occupied rooms and spaces.

As a result of these findings in August 2017 an isolation barrier was installed over the sand floor of the crawl spaces throughout the school building. After the installation of the isolation barrier, JCB performed follow-up testing at the same sampling locations. The laboratory analysis results from the Radon in Air samples submitted indicated radon levels below 4.0 pCi/L at all sampling locations tested.

### **Section No. 4.0: Radon Sampling and Analysis**

The United States Environmental Protection Agency (EPA) *Radon Measurement in Schools Revised Edition* (EPA 402-R-92-014) dated July 1993 guidance document recommends that a Radon assessment should be performed under closed conditions during the heating season. JCB coordinated with the school district to conduct the sampling during the spring recess.

On April 18, 2022, JCB set up short-term Radon in Air test kits in six (6) basement storage rooms and spaces and eight (8) crawlspaces within the basement of the elementary school building that were in contact with the ground. The sampling devices were collected on April 22, 2022, after at least three days of exposure. In accordance with the EPA guidance document, in addition to the test kits, a total of two (2) duplicate (dup) samples and two (2) field blank samples were collected.

The following table summarizes the Radon samples submitted for laboratory analysis:

Table No. 1: Summary of Radon Samples Submitted for Laboratory Analysis					
Sample Device Number	Location	Sample Start Date	Sample End Date	Description of Sample	Analysis Method
498090	Crawlspace – 0002A	04/18/22	04/22/22	Crawlspace	Radon in Air
496192	Crawlspace – 0002B	04/18/22	04/22/22	Crawlspace	Radon in Air
496166	Basement Storage Rm – 0003	04/18/22	04/22/22	Basement Storage Room	Radon in Air
496193	Basement Storage Rm – 0004	04/18/22	04/22/22	Basement Storage Room	Radon in Air
496211	Basement Storage Rm – 0005	04/18/22	04/22/22	Basement Storage Room	Radon in Air
498954	Basement Storage Rm – 0005	04/18/22	04/22/22	Basement Storage Room – Dup	Radon in Air
498045	Basement Storage Rm – 0006	04/18/22	04/22/22	Basement Storage Room	Radon in Air
498097	Basement Storage Rm – 0007	04/18/22	04/22/22	Basement Storage Room	Radon in Air
496170	Crawlspace – 0008	04/18/22	04/22/22	Crawlspace	Radon in Air
498073	Crawlspace – 0009	04/18/22	04/22/22	Crawlspace	Radon in Air
496191	Crawlspace – 0010	04/18/22	04/22/22	Crawlspace	Radon in Air
498270	Crawlspace – 0010	04/18/22	04/22/22	Crawlspace – Blank	Radon in Air
498142	Crawlspace – 0010A	04/18/22	04/22/22	Crawlspace	Radon in Air
497988	Basement Hallway – 0011	04/18/22	04/22/22	Basement Hallway	Radon in Air
498048	Basement Hallway – 0011A	04/18/22	04/22/22	Basement Hallway	Radon in Air
496197	Lounge Rm – 1000	04/18/22	04/22/22	Lounge Rm	Radon in Air
496175	First Floor Rm 109 – 1002	04/18/22	04/22/22	First Floor Rm 109	Radon in Air
498051	First Floor Rm 117 – 1006	04/18/22	04/22/22	First Floor Rm 117	Radon in Air
498347	First Floor Rm 117 – 1006	04/18/22	04/22/22	First Floor Rm 117 – Dup	Radon in Air
498126	First Floor Rm 119 – 1011	04/18/22	04/22/22	First Floor Rm 119	Radon in Air
498001	First Floor Hallway – 1015	04/18/22	04/22/22	First Floor Hallway	Radon in Air
498275	First Floor Hallway – 1018	04/18/22	04/22/22	First Floor Hallway	Radon in Air
498103	First Floor Hallway – 1029	04/18/22	04/22/22	First Floor Hallway	Radon in Air
498032	First Floor Hallway – 1046	04/18/22	04/22/22	First Floor Hallway	Radon in Air
498405	First Floor Hallway – 1046	04/18/22	04/22/22	First Floor Hallway – Blank	Radon in Air
<b>Notes:</b> Rm = Room Dup = Duplicate Sample Blank = Field Blank					

#### **Section No. 4.1: Radon Laboratory Analytical Summary**

The short-term Radon in Air sampling was performed utilizing laboratory supplied test kits, assigned individual identification numbers and were secured. Chain of Custody documents were prepared, and the samples were then delivered to an independent New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certified laboratory for analysis of Radon in Air.

EMSL Analytical Inc. (EMSL) of Cinnaminson, New Jersey provided laboratory analytical services. Copies of EMSL's NYSDOH certifications are available upon request.

The laboratory analytical results for the Radon in Air samples were reviewed and compared to the United States Environmental Protection Agency (EPA) recommended action level of 4.0 pCi/L as reported in *Radon Measurement in Schools Revised Edition* (EPA 402-R-92-014), dated July 1993.

The following table summarizes the Radon Analytical Results:

<b>Table No. 2: Summary of Radon Samples Analysis Results – 04-22-22</b>		
<b>Sample Device Number</b>	<b>Location</b>	<b>Radon Activity pCi/L</b>
498090	Crawlspace – 0002A	5.6
496192	Crawlspace – 0002B	6.5
496166	Basement Storage Rm – 0003	6.1
496193	Basement Storage Rm – 0004	3.5
496211	Basement Storage Rm – 0005	2.7
498954	Basement Storage Rm – 0005 – Dup	2.2
498045	Basement Storage Rm – 0006	2.8
498097	Basement Storage Rm – 0007	1.9
496170	Crawlspace – 0008	4.4
498073	Crawlspace – 0009	3.4
496191	Crawlspace – 0010	4.7
498270	Crawlspace – 0010 – Blank	0
498142	Crawlspace – 0010A	4.4
497988	Basement Hallway – 0011	3.4
498048	Basement Hallway – 0011A	2.8
496197	Lounge Room – 1000	0.5
496175	First Floor Rm 109 – 1002	0.1
498051	First Floor Rm 117 – 1006	0.1
498347	First Floor Rm 117 – 1006 – Dup	0.0
498126	First Floor Rm 119 – 1011	0.1
498001	First Floor Hallway – 1015	0.2
498275	First Floor Hallway – 1018	0.4
498103	First Floor Hallway – 1029	0.3
498032	First Floor Hallway – 1046	0.2
498405	First Floor Hallway – 1046 – Blank	-0.1

The laboratory analysis results from the Radon in Air samples submitted did reveal detectable concentrations of Radon exceeding the guidance value established by the EPA in six (6) of the 13 basement/crawlspace locations. It should be noted these spaces are not frequently occupied spaces as defined in the EPA referenced document. None of the first-floor spaces tested revealed detectable concentrations of Radon over 0.5 pCi/L.

#### **Section No. 4.2: Long Term Radon Sampling**

Based upon the August 2021 sampling results reported, the USEPA decision matrix does not recommend any additional mitigation for Radon; however, due to the elevated Radon level observed within the Crawl 0002A and Crawl 0002B sample locations, the USEPA recommends that long-term samples be collected within these spaces, preferably taken over the entire nine (9) month school year. On September 20, 2021, JCB deployed two (2) long term sampling devices which are scheduled to be completed at the end of June 2022.

#### **Section No. 5.0: Quality Assurance and Quality Control (QA/QC) Procedures**

To ensure that measurement results are reliable, JCB performed unexposed control detectors (blanks) side-by-side with the sampling device at each sampling location.

The field sampling team-maintained Radon sampling chain of custody records used to track samples from sampling point to analysis which summarized the following:

- Sample identification;
- Test Kit ID number;
- Device ID number;
- Sampling beginning date and time;
- Sampling ending date and time;
- Temperature, °F;
- Humidity, %;

#### **Section No. 6.0: Conclusions and Recommendations**

The laboratory analysis results from the Radon in Air samples submitted did reveal detectable concentrations of Radon exceeding the guidance value established by the EPA in six (6) of the 13 basement/crawlspace locations. It should be noted these spaces are not frequently occupied spaces as defined in the EPA referenced document. None of the first-floor spaces tested revealed detectable concentrations of Radon over 0.5 pCi/L.

As a result of the August 2021 sampling results on September 20, 2021, JCB deployed two (2) long term sampling devices in Crawl 0002A and Crawl 0002B which are scheduled to be completed at the end of June 2022.

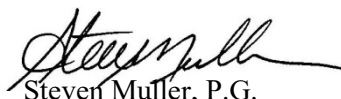
Due to the detection of Radium 226 and 228 in the local groundwater and Radon in the crawlspaces, JCB recommends that continued monitoring for Radon in Air within the school building be performed to confirm the effectiveness of the installed isolation barrier.

Sincerely,

**J.C. Broderick & Associates, Inc.**



Jeffrey V. Nannini  
Environmental Scientist



Steven Muller, P.G.  
Project Manager

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# **Appendix A**

## **Figures**





J.C. BRODERICK

& Associates  
Environmental Consulting and  
Testing  
1775 Express Drive North  
Hauppauge, NY 11788  
Phone: (631).584.5492  
Fax: (631).584.3395

Notes:

Central Boulevard  
Elementary School  
60 Central Boulevard  
Bethpage, NY 11714

Drawing Title

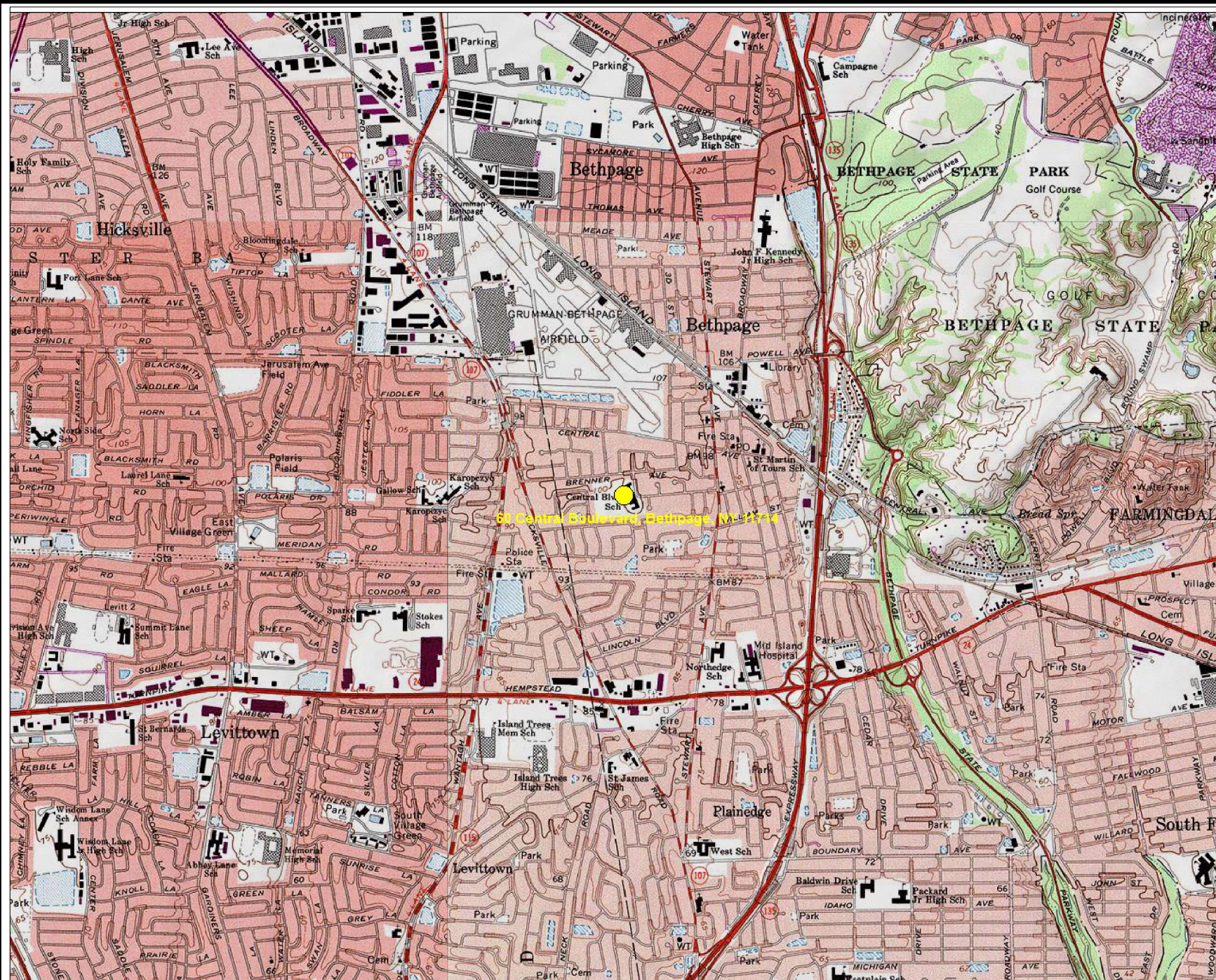
Figure No. 1  
Site Location Map

Scale As Noted Project No. 22-51660 Date 04-22-22

Drawn By J.V.N. Checked By S.W.M. Page No. 1 of 3

Drawing No.

1



JCB LEGEND  
● SUBJECT SITE

Map created with TOPO!® ©2002 National Geographic (www.nationalgeographic.com/topo)





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**& Associates**

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Testing

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**Notes:**

Central Boulevard  
Elementary School  
60 Central Boulevard  
Bethpage, NY 11714

**Drawing Title**

Figure No. 2

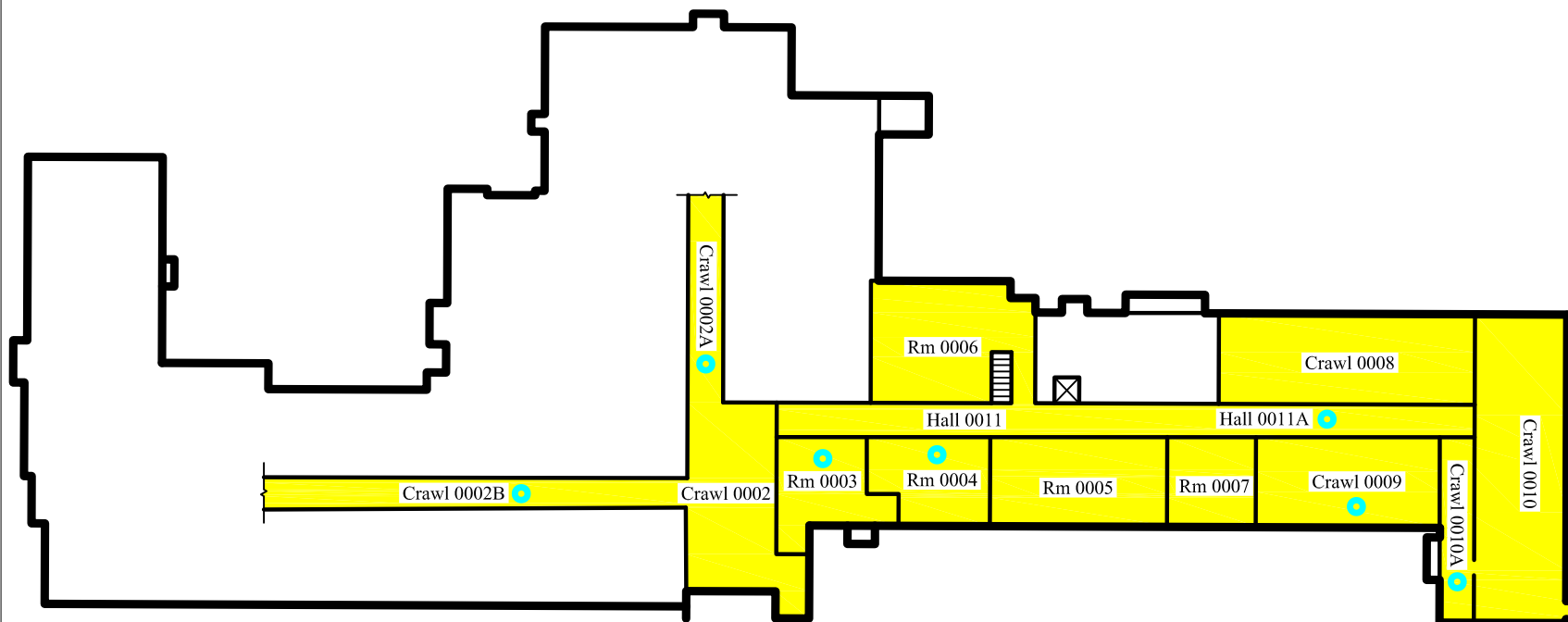
Crawlspace  
and  
Basement  
Sampling  
Locations

<b>Scale</b>	<b>Project No.</b>	<b>Date</b>
N.T.S.	22-51660	04-22-22

<b>Drawn By</b>	<b>Checked By</b>	<b>Page No.</b>
J.V.N.	S.W.M.	2 of 3

**Drawing No.**

2



PROJECT



NORTH

**JCB LEGEND**

■	APRIL 2, 2021 SAMPLE LOCATION
●	AUGUST 20, 2021 SAMPLE LOCATION



J.C. BRODERICK

& Associates

Environmental Consulting and  
Testing

1775 Express Drive North  
Hauppauge, NY 11788

Phone: (631).584.5492

Fax: (631).584.3395

Notes:

Central Boulevard  
Elementary School  
60 Central Boulevard  
Bethpage, NY 11714

Drawing Title

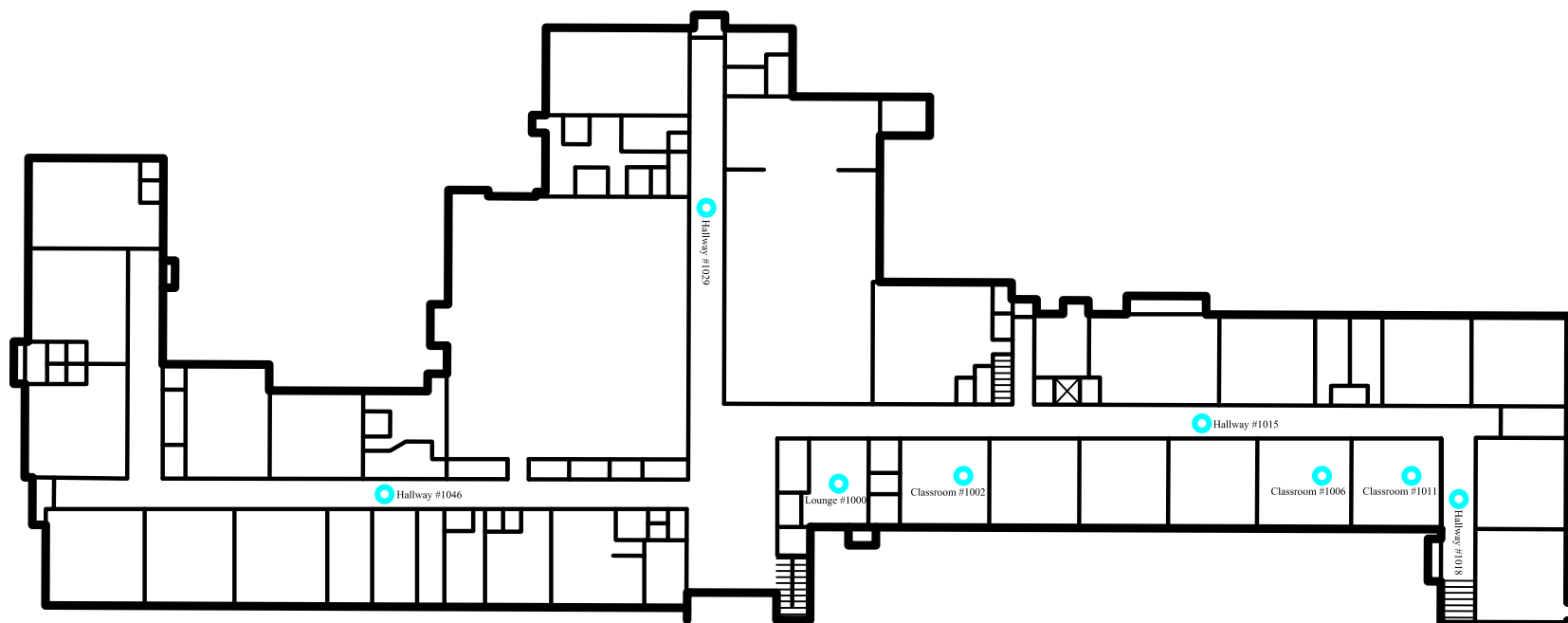
Figure No. 3  
  
First Floor  
Sampling Locations

Scale	Project No.	Date
As Noted	22-51660	04-22-22

Drawn By	Checked By	Page No.
J.V.N.	S.W.M.	3 of 3

Drawing No.

3



PROJECT



NORTH

JCB LEGEND

● AUGUST 20, 2021 SAMPLING LOCATION

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# **Appendix B**

## **Field Photograph Logs**

## **Radon Sampling and Blank Location Within Faculty Lounge**



## **Field Photograph Log**

### **Radon Investigation Report**

**Central Boulevard Elementary School  
60 Central Boulevard  
Bethpage, New York 11714**

**Photo No. 01**

**JCB#: 22-51660**



## **Radon Sampling Location Within Hallway**



## **Field Photograph Log**

### **Radon Investigation Report**

**Central Boulevard Elementary School  
60 Central Boulevard  
Bethpage, New York 11714**

**Photo No. 02**

**JCB#: 22-51660**

## **Radon Sampling Location Within Crawlspace**



## **Field Photograph Log**

### **Radon Investigation Report**

**Central Boulevard Elementary School  
60 Central Boulevard  
Bethpage, New York 11714**

**Photo No. 03**

**JCB#: 22-51660**



## **Radon Sampling Location Within Basement Electrical Room**



## **Field Photograph Log**

### **Radon Investigation Report**

**Central Boulevard Elementary School  
60 Central Boulevard  
Bethpage, New York 11714**

**Photo No. 04**

**JCB#: 22-51660**

## **Radon Sampling Location Within Basement Hallway**



## **Field Photograph Log**

### **Radon Investigation Report**

**Central Boulevard Elementary School  
60 Central Boulevard  
Bethpage, New York 11714**

**Photo No. 05**

**JCB#: 22-51660**



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# **Appendix C**

## **Laboratory Analysis Reports**

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-0327

<http://www.EMSL.com>[cinnaminsonradonlab@emsl.com](mailto:cinnaminsonradonlab@emsl.com)

EMSL Order: 382203301

CustomerID: JCBR50

CustomerPO:

ProjectID:

Attn: **Steven Muller**  
**J.C. Broderick & Associates**  
**1775 Expressway Drive North, Suite 1**  
**Hauppauge, NY 11788**

Phone: (631) 584-5492  
 Fax:  
 Received: 4/25/2022 10:39 AM  
 Analysis Date: 4/26/2022  
 Collected: 4/18/2022

Project: **Central Blvd ES/22-51660**

Test **Central Blvd ES/22-51660**  
 Site: **60 Central Blvd**  
**Bethpage, NY 11714**

**Test Report: Radon in Air Test Results**

Liquid Scintillation ID	Location	Radon Activity (pCi/L)	Start	Stop	Temperature F	Humidity %	Sample Type
498090 382203301-0001	Room# 0002A-Pipe	5.6	4/18/2022 9:45:00 AM	4/22/2022 7:33:00 AM	73.7	33.7	Customer
<b>Sample Notes:</b>							
496192 382203301-0002	Room# 0002B-Pipe	6.5	4/18/2022 9:46:00 AM	4/22/2022 7:34:00 AM	73.4	37.8	Customer
<b>Sample Notes:</b>							
496166 382203301-0003	Room# 0003-Chair	6.1	4/18/2022 9:48:00 AM	4/22/2022 7:36:00 AM	73	33.7	Customer
<b>Sample Notes:</b>							
496193 382203301-0004	Room# 0004-Table	3.5	4/18/2022 9:50:00 AM	4/22/2022 7:37:00 AM	73.2	35.8	Customer
<b>Sample Notes:</b>							
496211 382203301-0005	Room# 0005-Table	2.7	4/18/2022 9:51:00 AM	4/22/2022 7:38:00 AM	72.6	32.7	Customer
<b>Sample Notes:</b>							
498954 382203301-0006	Room# 0005-Table	2.2	4/18/2022 9:51:00 AM	4/22/2022 7:38:00 AM	72.6	32.7	Duplicate
<b>Sample Notes:</b> Duplicate's Customer Sample:382203301-0005						<b>Duplicate RPD = 20.4%</b>	
498045 382203301-0007	Room# 0006-Desk	2.8	4/18/2022 9:55:00 AM	4/22/2022 7:39:00 AM	73.5	31.7	Customer
<b>Sample Notes:</b>							
498097 382203301-0008	Room# 0007-Pipe	1.9	4/18/2022 9:57:00 AM	4/22/2022 7:40:00 AM	73	32.2	Customer
<b>Sample Notes:</b>							
496170 382203301-0009	Room# 0008-Footing	4.4	4/18/2022 9:59:00 AM	4/22/2022 7:46:00 AM	70.8	32.5	Customer
<b>Sample Notes:</b>							
498073 382203301-0010	Room# 0009-Footing	3.4	4/18/2022 10:00:00 AM	4/22/2022 7:45:00 AM	71	33.5	Customer
<b>Sample Notes:</b>							

Please visit [www.radontestinglab.com](http://www.radontestinglab.com)

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-0327

<http://www.EMSL.com>[cinnaminsonradonlab@emsl.com](mailto:cinnaminsonradonlab@emsl.com)

EMSL Order: 382203301

CustomerID: JCBR50

CustomerPO:

ProjectID:

**Test Report: Radon in Air Test Results**

Liquid Scintillation ID	Location	Radon Activity (pCi/L)	Start	Stop	Temperature F	Humidity %	Sample Type
496191 382203301-0011	Room# 0010-Footing	4.7	4/18/2022 10:01:00 AM	4/22/2022 7:43:00 AM	71	32.6	Customer
<b>Sample Notes:</b>							
498270 382203301-0012	Room# 0010-Footing	0	4/18/2022 10:01:00 AM	4/22/2022 7:43:00 AM	71	32.6	Blank
<b>Sample Notes:</b>							
498142 382203301-0013	Room# 0010A-Pipe	4.4	4/18/2022 10:02:00 AM	4/22/2022 7:31:00 AM	72.8	34.3	Customer
<b>Sample Notes:</b>							
497988 382203301-0014	Room# 0011-Cabinet	3.4	4/18/2022 10:04:00 AM	4/22/2022 7:32:00 AM	71.8	34.3	Customer
<b>Sample Notes:</b>							
498048 382203301-0015	Room# 0011A-Pipe	2.8	4/18/2022 10:05:00 AM	4/22/2022 7:41:00 AM	72.6	32.7	Customer
<b>Sample Notes:</b>							
496197 382203301-0016	Room# 1000-Table	0.5	4/18/2022 10:10:00 AM	4/22/2022 7:24:00 AM	70.5	33.5	Customer
<b>Sample Notes:</b>							
496175 382203301-0017	Room# 1002-Desk	0.1	4/18/2022 10:12:00 AM	4/22/2022 7:29:00 AM	70.5	33.5	Customer
<b>Sample Notes:</b>							
498051 382203301-0018	Room# 1006-Desk	0.1	4/18/2022 10:14:00 AM	4/22/2022 7:20:00 AM	66.5	36.3	Customer
<b>Sample Notes:</b>							
498347 382203301-0019	Room# 1006-Desk	0	4/18/2022 10:14:00 AM	4/22/2022 7:20:00 AM	66.5	36.3	Duplicate
<b>Sample Notes:</b> Duplicate's Customer Sample:382203301-0018 Duplicate RPD >67%						<b>Duplicate RPD = 200.0%</b>	
498126 382203301-0020	Room# 1011-Desk	0.1	4/18/2022 10:15:00 AM	4/22/2022 7:21:00 AM	67.2	30.3	Customer
<b>Sample Notes:</b>							
498001 382203301-0021	Room# 1015-Fountain	0.2	4/18/2022 10:16:00 AM	4/22/2022 7:23:00 AM	68	34.4	Customer
<b>Sample Notes:</b>							
498275 382203301-0022	Room# 1018-Fountain	0.4	4/18/2022 10:18:00 AM	4/22/2022 7:22:00 AM	67.8	35.3	Customer
<b>Sample Notes:</b>							
498103 382203301-0023	Room# 1029-Chair	0.3	4/18/2022 10:20:00 AM	4/22/2022 7:25:00 AM	70.5	31.5	Customer
<b>Sample Notes:</b>							

Please visit [www.radontestinglab.com](http://www.radontestinglab.com)

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-0327

<http://www.EMSL.com>[cinnaminsonradonlab@emsl.com](mailto:cinnaminsonradonlab@emsl.com)

EMSL Order: 382203301

CustomerID: JCBR50

CustomerPO:

ProjectID:

**Test Report: Radon in Air Test Results**

Liquid Scintillation ID	Location	Radon Activity (pCi/L)	Start	Stop	Temperature F	Humidity %	Sample Type
498032	Room# 1046-Fountain	0.2	4/18/2022	4/22/2022	64.4	35.3	Customer
382203301-0024			10:22:00 AM	7:27:00 AM			

**Sample Notes:**

498405	Room# 1046-Fountain	-0.1	4/18/2022	4/22/2022	64.4	35.3	Blank
382203301-0025			10:22:00 AM	7:27:00 AM			

**Sample Notes:****Report Notes**

The United States Environmental Protection Agency (EPA) has established a radon action level of 4.0pCi/L. EPA recommends mitigation of a structure if the confirmed radon level is equal to or greater than 4.0pCi/L.

The radon tests were performed using liquid scintillation radon detectors and counted on a liquid scintillation counter following EPA Method # 402-R-92-004 testing protocol for Radon in Air testing. EPA recommends retesting every two years.

Please contact EMSL Analytical, Inc. or your State Health Department for further information.

All procedures used for generating this report are in complete accordance with the current EPA protocols for the analysis of Radon in Air.

Analyst(s)

Kevin Schwartz (25)

Dominic Gehret, Radiochemistry Laboratory Manager, 10872

In no event shall EMSL be liable for indirect, special, consequential, or incidental damages, including, but not limited to, damages for loss of profit or goodwill regardless of the negligence (either sole or concurrent) of EMSL and whether EMSL has been informed of the possibility of such damages, arising out of or in connection with EMSL's services thereunder or the delivery, use, reliance upon or interpretation of test results by client or any third party. We accept no legal responsibility for the purposes for which the client uses the test results. In no event shall EMSL be liable to a client or any third party, whether based upon theories of tort, contract or any other legal or equitable theory, in excess of the amount paid to EMSL by client thereunder. The test results meets all NELAC requirements unless otherwise specified.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ FL RB2034/R2687,IL RNL2008202,IN RTL00935,IA RNLAB10005,KS KS-LB-0005/KS-MS-0482,ME SPC202,MN RL-0005,NE 474/RMB-1083,NJ 03036/MEB92525/MES13910,NY 10872,OH RL39,OK D9952,PA 2573/3393/68-00367,RI RMB-108/RI00179,WV RL000220,NRSB-ARL6006,NRPP

Initial report from 04/27/2022 14:58:57



Fedex 2703 3640 4301

M3



EMSL ANALYTICAL, INC.

# CHAIN OF CUSTODY RADON LABORATORY SERVICES (COMMERCIAL USE)

EMSL Job #: 382203301

EMSL ANALYTICAL, INC.  
200 ROUTE 130 NORTH  
CINNAMINSON, NJ 08077  
PHONE: 800-220-3675  
www.emsl.com

## Company Information:

EMSL  
Acct #: JCBR50

Company Name: JCBRODERICK &amp; ASSOC.

Contact: 1775 EXPRESSWAY DR. N

Address: STEVEN MULLER

City: HUNTERGROVE

State: NY Zip: 11788

Phone: 631-584-5492 Fax:

Email: smuller@jcbroderick.com

Technician Certification #:

Tech Name: STEVEN MULLER

Tech Signature: *[Signature]*

## Project/Site Information:

\*Required

Project Name: CENTRAL BLVD ES

Project # / PO: 22-51660

\*Address: 60 CENTRAL BLVD.

\*City: BETHPAGE \*State: NY \*Zip: 11714

\*Building type? ☐ Residential ☐ Non-Residential☒ School ☐ Other:\*Building foundation type? ☒ Basement ☐ Crawlspace☐ Slab on Grade ☐ Other:

Special Notes / Instructions:

2012 M

## \*Turnaround Time (TAT) Options

☐ 1 Day☐ 2 Day☐ 3 Day☒ 4 Day

Disclaimer: In no event shall EMSL be liable for indirect, special, consequential, or incidental damages for loss of profit or goodwill regardless of the negligence (either sole or concurrent) of EMSL and whether EMSL has been informed of the possibility of such damages arising out of or in connection with EMSL's services there under or the delivery, use, reliance upon or interpretation of test results by client or third party. We accept no legal responsibility for the purposes for which the client uses the test results. In no event shall EMSL be liable to a client or any third party, whether based upon theories of tort, contract or any other legal or equitable theory, in excess of the amount paid to EMSL by client thereafter.

(S) Sample (B) Blank (D) Duplicate	Device Number	Location	Room #	Exposure Period Beginning Date		Exposure Period Ending Date		Temp. °F	Humidity, %
				Date	Time	Date	Time		
(S) Sample	498090	PIPE	0002A	4/18/22	9:45	4/22/22	7:33	73.7	33.7
S	496192	PIPE	0002B	4/18/22	9:46	4/22/22	7:34	73.4	31.8
S	496166	CHAIR	0003	4/18/22	9:48	4/22/22	7:36	73.0	33.7
S	496193	TABLE	0004	4/18/22	9:50	4/22/22	7:37	73.2	35.8
S	496211	TABLE	0005	4/18/22	9:51	4/22/22	7:38	72.6	32.7
D	498954								
S	498046	DESK	0006	4/18/22	9:53	4/22/22	7:39	73.5	31.7
S	498097	PIPE	0007	4/18/22	9:57	4/22/22	7:40	73.0	32.2

Relinquished by (Sign): *[Signature]*

Date: 4/22/22 Time:

1 Page of 2

Received by EMSL (Sign): Katherine Vliard

Date: 4-22-22 Time: 5:04pm



EMSL ANALYTICAL, INC.

# CHAIN OF CUSTODY RADON LABORATORY SERVICES (COMMERCIAL USE)

EMSL Job #: 382203301

EMSL ANALYTICAL, INC.  
200 ROUTE 130 NORTH  
CINNAMINSON, NJ 08077  
PHONE: 800-220-3675  
www.emsl.com

(S) Sample (B) Blank (D) Duplicate	Device Number	Location	Room #	Exposure Period Beginning Date		Exposure Period Ending Date		Temp, °F	Humidity, %
				Date	Time	Date	Time		
S	496170	FOOTING	0008	4/18/22	9:59	4/22/22	7:46	70.8	32.5
S	498073	FOOTING	0009	4/18/22	10:00	4/22/22	7:45	71.0	33.5
S	496191	FOOTING	0010	4/18/22	10:01	4/22/22	7:43	71.0	32.6
B	498270								
S	498142	PIPE	0010A	4/18/22	10:02	4/22/22	7:31	72.8	34.3
S	497988	CABINET	0011	4/18/22	10:04	4/22/22	7:32	71.8	34.3
S	498048	PIPE	0011A	4/18/22	10:05	4/22/22	7:41	72.6	32.7
S	496197	TABLE	1000	4/18/22	10:10	4/22/22	7:24	70.5	33.5
S	496175	DESK	1002	4/18/22	10:12	4/22/22	7:29	70.5	33.5
S	498051	DESK	1006	4/18/22	10:14	4/22/22	7:20	66.5	36.3
D	498347								
S	498126	DESK	1011	4/18/22	10:15	4/22/22	7:21	67.2	38.3
S	498001	FOUNTAIN	1015	4/18/22	10:16	4/22/22	7:23	68.0	34.4
S	498275	FOUNTAIN	1018	4/18/22	10:18	4/22/22	7:22	67.8	35.3
S	498103	CHAIR	1029	4/18/22	10:20	4/22/22	7:25	70.5	31.5
S	498032								
B	498405	FOUNTAIN	1046	4/18/22	10:22	4/22/22	7:27	64.4	35.3

Relinquished by (Sign): [Signature]Date: 4/22/22 Time: Page of 2Received by EMSL (Sign): Katherine VaudDate: 4-22-22 Time: 5:04PM