January 20, 2023

American Paradigm Schools
8101 Castor Avenue
Philadelphia, PA 19152
Attn: Ms. Jessica Bowers

Re: **AHERA Re-Inspection Services**
Tacony Academy Charter School
1330 Rhawn Street
Philadelphia, PA
VERTEX Project No: 83459

Dear Ms. Bowers:

The Vertex Companies, LLC (VERTEX) is pleased to provide this Letter Report for professional services associated with conducting an Asbestos Hazard Emergency Response Act (AHERA) Re-Inspection for the Tacony Academy Charter School located at 1330 Rhawn Street in Philadelphia, Pennsylvania ("the site").

For the purpose of performing the re-inspection and assessment, VERTEX utilized the 2020 Asbestos Inspection Report performed by VERTEX. American Paradigm Schools own the site. The re-inspection and assessment incorporated no additional bulk sampling. According to building representatives, no significant renovations have occurred since 2020.

VERTEX utilized the School District of Philadelphia's AHERA Three-Year Reinspection 2018-2019 Room by Room Location Log Report to assess current conditions. Onsite services were performed on December 9, 2022 by William Otten, US EPA AHERA Certified Asbestos Building Inspector, Commonwealth of Pennsylvania Licensed Building Inspector (043432) and City of Philadelphia Asbestos Investigator (AIC-0524).

Findings of the AHERA Re-Inspection regarding Asbestos Containing Building Materials (ACBMs) can be found in the attached documents:

- Asbestos Inspection Report (April 22, 2020)

Conclusion:

The 2023 Assessment services identified similar conditions as in 2020 and no areas of damaged ACBMs were identified that would require asbestos abatement activities.

Limitations

Professional opinions presented in this report are based on information made available either by review of data provided by others or data gained by inspection personnel. VERTEX affirms that data gathered and presented in this report was collected in an appropriate manner in accordance with generally accepted methods and practices. Conditions described in this report were observed at the time of the investigation, unless otherwise stated. No exploratory demolition was performed.

VERTEX appreciates the opportunity to be of service. If you have any questions regarding this report, please do not hesitate to contact me.

Sincerely,

The Vertex Companies, LLC

William Otten
Senior Project Manager

Tacony Academy Charter School
1330 Rhawn Street
Philadelphia, Pennsylvania

Asbestos Inspection Report

APRIL 22, 2020

PREPARED FOR:

American Paradigm Schools
8101 Castor Avenue
Philadelphia, Pennsylvania

Attn: Ms. Katie Santilli

PREPARED BY:

The Vertex Companies, Inc.
700 Turner Industrial Way, Suite 105
Aston, Pennsylvania 19014
PHONE 610.558.8902

VERTEX Project No: 61446

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Asbestos Containing Materials Inspection Report

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I. INTRODUCTION

The Vertex Companies, Inc. (VERTEX) was retained by American Paradigm Schools to perform an asbestos facility inspection within the Tacony Academy Charter School located at 1330 Rhawn Street in Philadelphia, Pennsylvania.

This inspection was conducted to confirm/dismiss the presence, locations and quantities of Asbestos Containing Materials (ACM) or Presumed Asbestos Containing Materials (PACM).

This survey was performed on April 2, 2020 and April 8, 2020 by William Otten, a US EPA AHERA Certified Asbestos Building Inspector/Commonwealth of Pennsylvania Licensed Asbestos Building Inspector (#043432)/City of Philadelphia Certified Asbestos Investigator (#AIC-0524).

Based on review of readily available aerial photographs, the original portion of the school building was constructed between 1975 and 1980, the southern addition with partial lower level was constructed between 1990 and 1995, and the gymnasium and adjoining vestibule addition was constructed post 1995. The original building was presumably constructed in 1978 based on a May 1978 manufacturing date label on the electrical transformer/switchgear equipment in the boiler room.

Bulk samples were submitted to and analyzed by EMSL Analytical, Inc. of Cinnaminson, New Jersey in accordance with United States Environmental Protection Agency (USEPA) Method 600/R-93/116 protocol utilizing Polarized Light Microscopy (PLM). EMSL is accredited through the National Voluntary Laboratory Accreditation Program (NVLAP #101048-0).

Note: Polarized Light Microscopy (PLM) is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound (NOB) materials. Fiber size (both length & diameter) of NOBs is frequently very small limiting fiber detection by PLM optics. Fibers are also tightly bound in the matrix of NOBs obscuring their detection. The Commonwealth of Pennsylvania does not require confirmatory TEM analysis of NOB samples with negative or "inconclusive" asbestos content by PLM. TEM analysis was not authorized by the client and was not included in the scope of services for this project.

II. RESULTS

Results indicate that that the following asbestos containing materials were identified:

- Approximately 280 linear feet of boiler rib gasket material within the two boiler units in the boiler room (Room 181).
- Approximately 20 square feet of transite within the original electrical equipment (transformer/switchgear).

RESTRICTIONS

- No inspection/sampling was performed within enclosed walls/ceilings.
- No inspection/sampling was performed inside mechanical equipment.
- No inspection/sampling was performed below finished grade or within confined spaces.
- No inspection/sampling was performed on exterior materials.

A more detailed presentation of the results is found in the attached tables.

III. SAMPLING METHODOLOGY

Bulk samples were collected and analyzed in order to determine the identity of suspect materials and their composition. The purpose of the survey was to identify all accessible ACMs.

Bulk samples were grouped into homogenous sampling areas. A homogenous sampling area contains suspect asbestos materials that are uniform in texture, appearance, time of installation, and is unlikely to consist of more than one type or formulation of material. Per AHERA protocol, if any sample within the homogenous sampling area has greater than 1% by weight, then the entire sampling area is assumed to containing asbestos.

Bulk samples were collected from both friable and non-friable suspect asbestos containing materials. Representative core samples of each material were collected by penetrating the material to its substrate. Each sample and sample location was incorporated into a sampling log and chain of custody for each sample was documented. All samples were placed in sealed containers and labeled with an identifying code.

Bulk samples were submitted to and analyzed by EMSL Analytical, Inc. of Cinnaminson, New Jersey in accordance with United States Environmental Protection Agency (USEPA) Method 600/R-93/116 protocol utilizing Polarized Light Microscopy (PLM). PLM is the reference method of analysis to demonstrate that presumed asbestos containing materials do not contain asbestos per OSHA's Construction Standard (29 CFR 1926.1101) and EPA's Asbestos Hazard Emergency Response Act (40 CFR 763, Subpart E). The detection limit of the PLM referenced method is one percent (1%) asbestos. EMSL is accredited through the National Voluntary Laboratory Accreditation Program (NVLAP #101048-0).

Polarized Light Microscopy (PLM) is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound (NOB) materials. Fiber size (both length & diameter) of NOBs is frequently very small limiting fiber detection by PLM optics. Fibers are also tightly bound in the matrix of NOBs obscuring their detection. The Commonwealth of Pennsylvania does not require confirmatory TEM analysis of NOB samples with negative or "inconclusive" asbestos content by PLM. TEM analysis was not authorized by the client and was not included in the scope of services for this project.

IV. LIMITATIONS AND SERVICE CONSTRAINTS

Professional opinions presented in this report are based on information made available either by review of data provided by others or data gained by inspection personnel.

VERTEX affirms that data gathered and presented in this report was collected in an appropriate manner in accordance with generally accepted methods and practices. Conditions described in this report were observed at the time of the investigation, unless otherwise stated.

Exploratory demolition was performed in limited locations, to the extent feasible. Please see specific restrictions above.

Reasonable effort was made by inspection personnel to locate and sample suspect materials within the designated areas inspected. However, for any facility, the existence of unique or concealed ACMs and debris is a possibility. VERTEX does not warrant, guarantee or profess to have the ability to locate or identify all ACMs in a facility.

The intent of this report is to be used in planning for potential renovation activity. If ACMs are discovered during renovation related activities, these materials should be removed and disposed of in accordance with all local, state and federal regulations prior to any demolition-related activities. Abatement of ACM must be performed by an accredited/certified/licensed asbestos-abatement contractor.

VERTEX analyzed only the substances, conditions, and locations described in the report at the time indicated. VERTEX retains the right to revise this report if new information is later discovered or made available.

The report must be presented in its entirety.

V. CONCLUSIONS AND RECOMMENDATIONS

A summary table is provided in the attachments which include the samples collected, locations and analytical results. The laboratory reports are also attached.

Based on the sampling and analysis of suspect materials, ACMs (boiler rib gasket and transite) were identified within the structure. AHERA identifies ACM as any material containing greater than 1% asbestos.

If additional suspect materials are discovered during future renovation activities, VERTEX recommends collecting/analyzing samples of the materials for asbestos content prior to disturbance.

Asbestos Containing Materials Table

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The Vertex Companies, Inc.

ASBESTOS CONTAINING MATERIALS TABLE

CLIENT: American Paradigm Schools
SITE: Tacony Academy Charter School
1330 Rhawn Street
Philadelphia, Pennsylvania

VERTEX PROJECT #: 61446
DATE: 4/2/20 and 4/8/20

Location	Material Description	Estimated Quantity	Friable (Y/N)	Conditions (G/F/P)	Debris (Y/N)	Sample #
Boiler room (Room 181)	Boiler Rib Gasket	280 LF	N	G	N	3A,3B
Boiler room (Room 181) - original electrical equipment (transformer/switchgear)	Transite	20 SF	N	G	N	Assumed

Sample Locations and Results Table

The Vertex Companies, Inc.

SAMPLE LOCATIONS AND RESULTS TABLE

CLIENT: American Paradigm Schools
SITE: Tacony Academy Charter School
1330 Rhawn Street
Philadelphia, Pennsylvania

VERTEX PROJECT #: 61446
DATE: 4/2/20 and 4/8/20

Location	Material Description	Estimated Quantity	Friable (Y/N)	Conditions (G/F/P)	Debris (Y/N)	Sample #	Lab Result ACBM (Y/N)
Boiler room (Room 181)	Fitting a/w fiberglass pipe insulation	8 EA	Y	F	N	1A,1B,1C	N
Boiler room (Room 181)	Breeching	250 SF	Y	G	N	2A,2B,2C	N
Boiler room (Room 181)	**Boiler Rib Gasket**	**280 LF**	**N**	**G**	**N**	**3A,3B**	**Y**
Boiler room (Room 181) - original electrical equipment (transformer/switchgear)	**Transite**	**20 SF**	**N**	**G**	**N**	**Assumed**	**Y**
Throughout	12" tan floor tile w/mastic	48,000 SF	N	G	N	4A,4MA,4B,4MB	N
Throughout	2'x4' ceiling tile	50,000 SF	N	G	N	5A,5B,5C,5D,5E	N
Throughout	Mastic a/w vinyl cove base	25,000 LF	N	G	N	6A,6B	N
Room 106 ceiling	Plaster	150 SF	N	G	N	7A,7B,7C	N
Throughout	Drywall/joint compound	75,000 SF	N	G	N	8A,8B,8C,8D,8E,8F,8G	N
Various locations	12" green floor tile w/mastic	4,000 SF	N	G	N	9A,9MA,9B	N
Below carpeted areas	Floor leveler/mastic	7,000 SF	N	G	N	10A,10MA,10B,10MB	N
Kitchen (Rooms 183 & 184)	2'x4' ceiling tile (drywall)	2,000 SF	N	G	N	11A,11B	N
Various locations	2'x4' ceiling tile (3 lines)	10,000 SF	N	G	N	12A,12B	N
Various locations	12" blue floor tile	4,000 SF	N	G	N	13A,13B	N
Various locations	12" gray floor tile	2,000 SF	N	G	N	14A,14B	N
Various locations	12" yellow floor tile	2,000 SF	N	G	N	15A,15B	N
Various locations	Mastic a/w drywall	5,000 SF	N	G	N	16A,16B	N
Rooms 163 & 176	Sink undercoating	24 SF	N	G	N	17A,17B	N
Room 176	Lab top	500 SF	N	G	N	18A,18B	N

Bulk Sample Analysis Results

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EMSL Analytical, Inc.

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http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order: 042008692
Customer ID: VRTX78
Customer PO:
Project ID:

Attention: William Otten
The Vertex Companies, Inc.
700 Turner Way, Suite 105
Aston, PA 19014

Project: 61446 Tacony Elem

Phone: (610) 558-8902
Fax: (610) 558-8904
Received Date: 04/03/2020 12:25 PM
Analysis Date: 04/05/2020 - 04/06/2020
Collected Date: 04/02/2020

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
1A *042008692-0001*	Boiler Room - Fitting associated with FGPI	Gray Fibrous Homogeneous	45% Min. Wool HA: 1	55% Non-fibrous (Other)	None Detected
1B *042008692-0002*	Boiler Room - Fitting associated with FGPI	Gray Fibrous Homogeneous	50% Min. Wool HA: 1	50% Non-fibrous (Other)	None Detected
2A *042008692-0003*	Boiler Room - Breeching	Gray/Tan/White Fibrous Homogeneous	25% Cellulose 40% Min. Wool HA: 2	35% Non-fibrous (Other)	None Detected
2B *042008692-0004*	Boiler Room - Breeching	Gray/Tan/White Fibrous Homogeneous	25% Cellulose 40% Min. Wool HA: 2	35% Non-fibrous (Other)	None Detected
2C *042008692-0005*	Boiler Room - Breeching	Gray/White Fibrous Homogeneous	20% Cellulose 45% Min. Wool HA: 2	35% Non-fibrous (Other)	None Detected
3A *042008692-0006*	Boiler 1 - Boiler Rib Gasket	Tan/White/Black Fibrous Homogeneous	HA: 3	35% Non-fibrous (Other)	65% Chrysotile
3B *042008692-0007*	Boiler 2 - Boiler Rib Gasket		HA: 3		Positive Stop (Not Analyzed)
4A-Floor Tile *042008692-0008*	Room 110 Closet - 12" Tan Floor Tile	Tan Non-Fibrous Homogeneous	HA: 4	100% Non-fibrous (Other)	None Detected
4MA-Mastic *042008692-0008A*	Room 110 Closet - Mastic	Gray/Yellow Non-Fibrous Heterogeneous	HA: 4M	100% Non-fibrous (Other)	None Detected
5A *042008692-0009*	Room 110 - 2'x4' Ceiling Tile	Tan/White Fibrous Homogeneous	60% Cellulose 20% Min. Wool HA: 5	20% Non-fibrous (Other)	None Detected
5B *042008692-0010*	Room 110 Closet - 2'x4' Ceiling Tile	Tan/White Fibrous Homogeneous	40% Cellulose 40% Min. Wool HA: 5	20% Non-fibrous (Other)	None Detected
6A *042008692-0011*	Room 110 Closet - Mastic associated with Vinyl Cove Base	White Non-Fibrous Homogeneous	HA: 6	100% Non-fibrous (Other)	None Detected

Initial report from: 04/06/2020 12:55:59

EMSL Analytical, Inc.
200 Route 130 North Cinnaminson, NJ 08077
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EMSL Order: 042008692
Customer ID: VRTX78
Customer PO:
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
7A-Skim Coat *042008692-0012*	Room 106 Ceiling Closet - Plaster	White Non-Fibrous Homogeneous	HA: 7	100% Non-fibrous (Other)	None Detected
7A-Base Coat *042008692-0012A*	Room 106 Ceiling Closet - Plaster	Gray Non-Fibrous Homogeneous	HA: 7	100% Non-fibrous (Other)	None Detected
8A-Composite *042008692-0013*	Room 106 - Drywall / Joint Compound	Brown/White Fibrous Heterogeneous	25% Cellulose HA: 8	75% Non-fibrous (Other)	None Detected
9A-Floor Tile *042008692-0014*	Room 106 - 12" Green Floor Tile	Green Non-Fibrous Homogeneous	HA: 9	100% Non-fibrous (Other)	None Detected
9MA-Mastic *042008692-0014A*	Room 106 - Mastic	Gray/Black/Yellow Non-Fibrous Heterogeneous	3% Cellulose HA: 9M	97% Non-fibrous (Other)	None Detected
5C *042008692-0015*	Bays by 106 - 2'x4' Ceiling Tile	Tan/White Fibrous Homogeneous	40% Cellulose 40% Min. Wool HA: 5	20% Non-fibrous (Other)	None Detected
8B-Composite *042008692-0016*	Room 104 - Drywall / Joint Compound	Brown/White Fibrous Heterogeneous	20% Cellulose HA: 8	80% Non-fibrous (Other)	None Detected
10A-Leveler *042008692-0017*	Room 116 - Below Carpet - Floor Leveler	Gray Non-Fibrous Homogeneous	3% Cellulose HA: 10	97% Non-fibrous (Other)	None Detected
10MA-Mastic *042008692-0017A*	Room 116 - Below Carpet - Mastic	Yellow Non-Fibrous Homogeneous	HA: 10M	100% Non-fibrous (Other)	None Detected
10B-Leveler *042008692-0018*	Room 116 - Below Carpet - Floor Leveler	Gray Non-Fibrous Homogeneous	HA: 10	100% Non-fibrous (Other)	None Detected
10MB-Mastic *042008692-0018A*	Room 116 - Below Carpet - Mastic	Yellow Non-Fibrous Homogeneous	HA: 10M	100% Non-fibrous (Other)	None Detected
11A *042008692-0019*	Kitchen 183 / 184 - 2'x4' Ceiling Tile - Drywall	Brown/White Fibrous Homogeneous	20% Cellulose 3% Glass HA: 11	77% Non-fibrous (Other)	None Detected
11B *042008692-0020*	Kitchen 183 / 184 - 2'x4' Ceiling Tile - Drywall	Brown/White Fibrous Homogeneous	15% Cellulose 3% Glass HA: 11	82% Non-fibrous (Other)	None Detected
5D *042008692-0021*	Library Room 180 - 2'x4' Ceiling Tile	Tan/White Fibrous Homogeneous	30% Cellulose 45% Min. Wool HA: 5	25% Non-fibrous (Other)	None Detected

Initial report from: 04/06/2020 12:55:59

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EMSL Order:	042008692
Customer ID:	VRTX78
Customer PO:	
Project ID:	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
12A *042008692-0022*	Hall by 180 - 2'x4' Ceiling Tile - 3 Lines	Tan/White Fibrous Homogeneous	40% Cellulose 40% Min. Wool HA: 12	20% Non-fibrous (Other)	None Detected
13A *042008692-0023*	Room 172 - 12" Blue Floor Tile	Blue Non-Fibrous Homogeneous	HA: 13	100% Non-fibrous (Other)	None Detected
14A *042008692-0024*	Hall by Room 176 - 12" Gray Floor Tile	Gray Non-Fibrous Homogeneous	HA: 14	100% Non-fibrous (Other)	None Detected
15A *042008692-0025*	Hall by Room 185 - 12" Yellow Floor Tile	Yellow Non-Fibrous Homogeneous	HA: 15	100% Non-fibrous (Other)	None Detected
16A *042008692-0026*	Mastic associated with Drywall Walls	Tan Non-Fibrous Homogeneous	HA: 16	100% Non-fibrous (Other)	None Detected

Analyst(s)

Ebony Miller (9)
Olufunke Akintunde (21)

Samantha Rundstrom, Laboratory Manager
or Other Approved Signatory

Initial report from: 04/06/2020 12:55:59

EMSL Analytical, Inc.

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EMSL Order:	042008996
Customer ID:	VRTX78
Customer PO:	
Project ID:	

Attention:	William Otten	**Phone:**	(610) 558-8902
	The Vertex Companies, Inc.	**Fax:**	(610) 558-8904
	700 Turner Way, Suite 105	**Received Date:**	04/08/2020 1:40 PM
	Aston, PA 19014	**Analysis Date:**	04/09/2020
		Collected Date:	04/08/2020
Project:	61446 / Tacony Elem		

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
5E *042008996-0001*	Room 163 - 2'x4' Ceiling Tile	Gray/White Fibrous Homogeneous	60% Cellulose 30% Min. Wool HA: 5	10% Non-fibrous (Other)	None Detected
8C-Composite *042008996-0002*	Room 163 - Drywall / Joint Compound	Brown/White Fibrous Heterogeneous	12% Cellulose 3% Glass HA: 8	85% Non-fibrous (Other)	None Detected
4B-Floor Tile *042008996-0003*	Room 162 - 12" Tan Floor Tile	Tan Non-Fibrous Homogeneous	HA: 4	100% Non-fibrous (Other)	None Detected
4MB-Mastic *042008996-0003A*	Room 162 - Mastic	Yellow Non-Fibrous Homogeneous	HA: 4M	100% Non-fibrous (Other)	None Detected
17A *042008996-0004*	Room 163 - Sink Undercoating	Gray Non-Fibrous Homogeneous	HA: 17	100% Non-fibrous (Other)	None Detected
9B *042008996-0005*	Room 149 - 12" Green Floor Tile	Green Non-Fibrous Homogeneous	HA: 9	100% Non-fibrous (Other)	None Detected
8D-Composite *042008996-0006*	Room 182 - Drywall / Joint Compound	Brown/White Fibrous Heterogeneous	12% Cellulose 3% Glass HA: 8	85% Non-fibrous (Other)	None Detected
13B *042008996-0007*	Hall by Room 134 - 12" Blue Floor Tile	Blue Non-Fibrous Homogeneous	HA: 13	100% Non-fibrous (Other)	None Detected
8E-Composite *042008996-0008*	Room 135 - Drywall / Joint Compound	Brown/White Fibrous Heterogeneous	12% Cellulose 5% Glass HA: 8	83% Non-fibrous (Other)	None Detected
6B *042008996-0009* *Recommend TEM*	Room 180.1 - Mastic associated with Cove Base	Brown Non-Fibrous Homogeneous	3% Fibrous (Other) HA: 6	97% Non-fibrous (Other)	None Detected
1C *042008996-0010*	Boiler Room - Fitting associated with FGPI	Gray Fibrous Homogeneous	35% Min. Wool HA: 1	65% Non-fibrous (Other)	None Detected
16B *042008996-0011*	Hall by 183 - Mastic associated with Drywall	Tan Non-Fibrous Homogeneous	HA: 16	100% Non-fibrous (Other)	None Detected

Initial report from: 04/09/2020 14:36:25

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EMSL Order: 042008996
Customer ID: VRTX78
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Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
8F-Composite *042008996-0012*	Hallway by 146 - Drywall / Joint Compound	Brown/White Fibrous Heterogeneous	12% Cellulose 3% Glass HA: 8	85% Non-fibrous (Other)	None Detected
8G-Composite *042008996-0013*	Stage - Drywall / Joint Compound	Brown/White Fibrous Heterogeneous	10% Cellulose 3% Glass HA: 8	87% Non-fibrous (Other)	None Detected
7B-Skim Coat *042008996-0014*	Room 106 Ceiling - Plaster	White Non-Fibrous Homogeneous	HA: 7	100% Non-fibrous (Other)	None Detected
7B-Base Coat *042008996-0014A*	Room 106 Ceiling - Plaster	Gray Non-Fibrous Homogeneous	HA: 7	100% Non-fibrous (Other)	None Detected
7C-Skim Coat *042008996-0015*	Room 106 Ceiling - Plaster	White Non-Fibrous Homogeneous	HA: 7	100% Non-fibrous (Other)	None Detected
7C-Base Coat *042008996-0015A*	Room 106 Ceiling - Plaster	Gray Non-Fibrous Homogeneous	HA: 7	100% Non-fibrous (Other)	None Detected
18A *042008996-0016*	Room 176 - Lab Top	Black Non-Fibrous Homogeneous	HA: 18	100% Non-fibrous (Other)	None Detected
18B *042008996-0017*	Room 176 - Lab Top	Black Non-Fibrous Homogeneous	HA: 18	100% Non-fibrous (Other)	None Detected
17B *042008996-0018*	Sink Undercoating	Gray Non-Fibrous Homogeneous	HA: 17	100% Non-fibrous (Other)	None Detected
12B *042008996-0019*	2'x4' Ceiling Tile	Gray/White Fibrous Homogeneous	50% Cellulose 35% Min. Wool HA: 12	15% Non-fibrous (Other)	None Detected
14B *042008996-0020*	12" Gray Floor Tile	Gray Non-Fibrous Homogeneous	HA: 14	100% Non-fibrous (Other)	None Detected
15B *042008996-0021*	12 "Yellow Floor Tile	Yellow Non-Fibrous Homogeneous	HA: 15	100% Non-fibrous (Other)	None Detected

Initial report from: 04/09/2020 14:36:25

EMSL Analytical, Inc.
200 Route 130 North Cinnaminson, NJ 08077
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EMSL Order:	042008996
Customer ID:	VRTX78
Customer PO:	
Project ID:	

Analyst(s)

Amy Johnson (19)
Ebony Miller (5)

Samantha Rundstrom, Laboratory Manager
or Other Approved Signatory

Initial report from: 04/09/2020 14:36:25

Aerial Photographs
(1975,1980, 1990, and 1995)

VERTEX

Aerial Photographs of the Delaware Valley, 1975

Aerial Photo A35 B40

RELATED IMAGES/PLATES:
Later Year: A35 B40 (1995)
Later Year: A35 B40 (1990)
Later Year: A35 B40 (1985)
Later Year: A35 B40 (1980)
Earlier Year: A35 B40 (1970)
Earlier Year: A35 B40 (1965)

WORK TITLE:
Aerial Photographs of the Delaware Valley, 1975

CREATOR:
Delaware Valley Regional Planning Commission

DATE:
1975

SOURCE:
Delaware Valley Regional Planning Commission

GEOGRAPHY (THIS WORK):
Bucks County, PA
Pennsylvania
Philadelphia, PA
New Jersey
Delaware County, PA
Montgomery County, PA
Burlington County, NJ
Camden County, NJ
Gloucester County, NJ

IMAGE FILE(S):
DVRPC1975.PhilaMetroAerials.0755.A35_B40

North: A35 B41

West: A34 B40

A

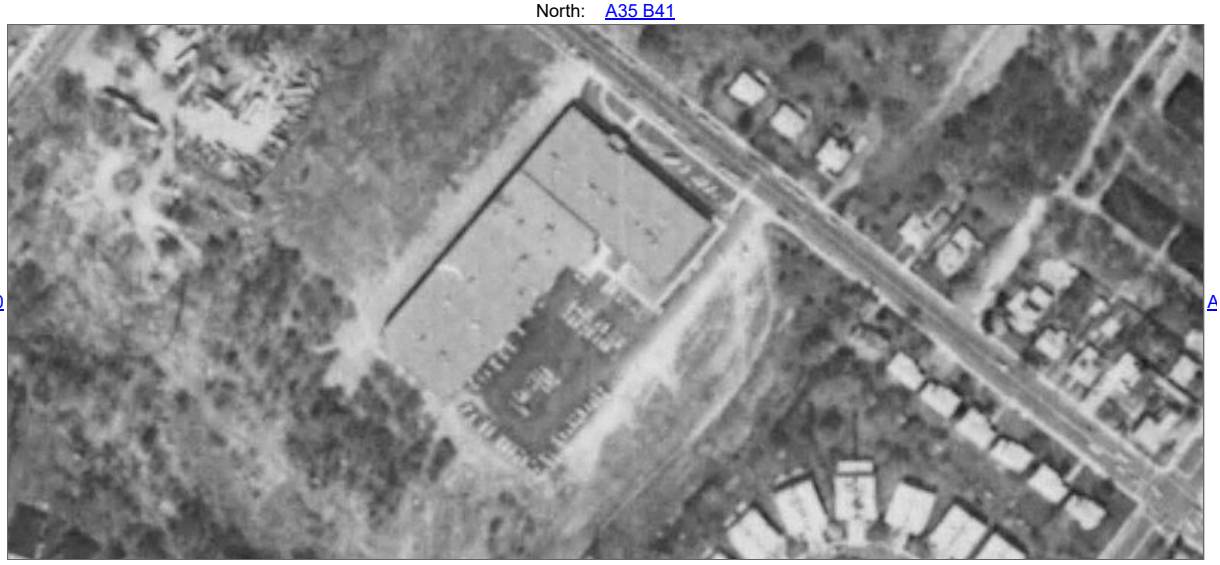
South: A35 B39

Aerial Photographs of the Delaware Valley, 1980

Aerial Photo A35 B40

North: A35 B41

West: A34 B40



A

South: A35 B39

RELATED IMAGES/PLATES:
Later Year: A35 B40 (1995)
Later Year: A35 B40 (1990)
Later Year: A35 B40 (1985)
Earlier Year: A35 B40 (1975)
Earlier Year: A35 B40 (1970)
Earlier Year: A35 B40 (1965)

WORK TITLE:
Aerial Photographs of the Delaware Valley, 1980

CREATOR:
Delaware Valley Regional Planning Commission

DATE:
1980

SOURCE:
Delaware Valley Regional Planning Commission

GEOGRAPHY (THIS WORK):
Bucks County, PA
Pennsylvania
Philadelphia, PA
New Jersey
Delaware County, PA
Montgomery County, PA
Burlington County, NJ
Camden County, NJ
Gloucester County, NJ

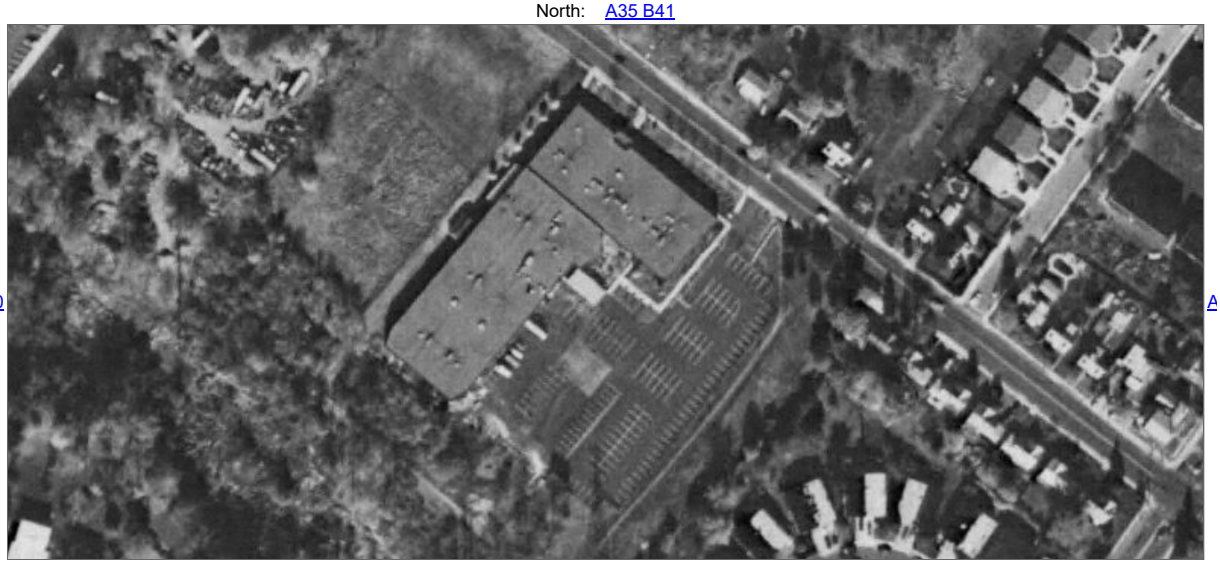
IMAGE FILE(S):
DVRPC1980.PhilaMetroAerials.0750.A35_B40

Aerial Photographs of the Delaware Valley, 1990

Aerial Photo A35 B40

North: A35 B41

West: A34 B40



A

South: A35 B39

RELATED IMAGES/PLATES:
Later Year: A35 B40 (1995)
Earlier Year: A35 B40 (1985)
Earlier Year: A35 B40 (1980)
Earlier Year: A35 B40 (1975)
Earlier Year: A35 B40 (1970)
Earlier Year: A35 B40 (1965)

WORK TITLE:
Aerial Photographs of the Delaware Valley, 1990

CREATOR:
Delaware Valley Regional Planning Commission

DATE:
1990

SOURCE:
Delaware Valley Regional Planning Commission

GEOGRAPHY (THIS WORK):
Bucks County, PA
Pennsylvania
Philadelphia, PA
New Jersey
Delaware County, PA
Montgomery County, PA
Burlington County, NJ
Camden County, NJ
Gloucester County, NJ

IMAGE FILE(S):
DVRPC1990.PhilaMetroAerials.0760.A35_B40

Aerial Photographs of the Delaware Valley, 1995

Aerial Photo A35 B40

RELATED IMAGES/PLATES:
Earlier Year: A35 B40 (1990)
Earlier Year: A35 B40 (1985)
Earlier Year: A35 B40 (1980)
Earlier Year: A35 B40 (1975)
Earlier Year: A35 B40 (1970)
Earlier Year: A35 B40 (1965)

WORK TITLE:
Aerial Photographs of the Delaware Valley, 1995

CREATOR:
Delaware Valley Regional Planning Commission

DATE:
1995

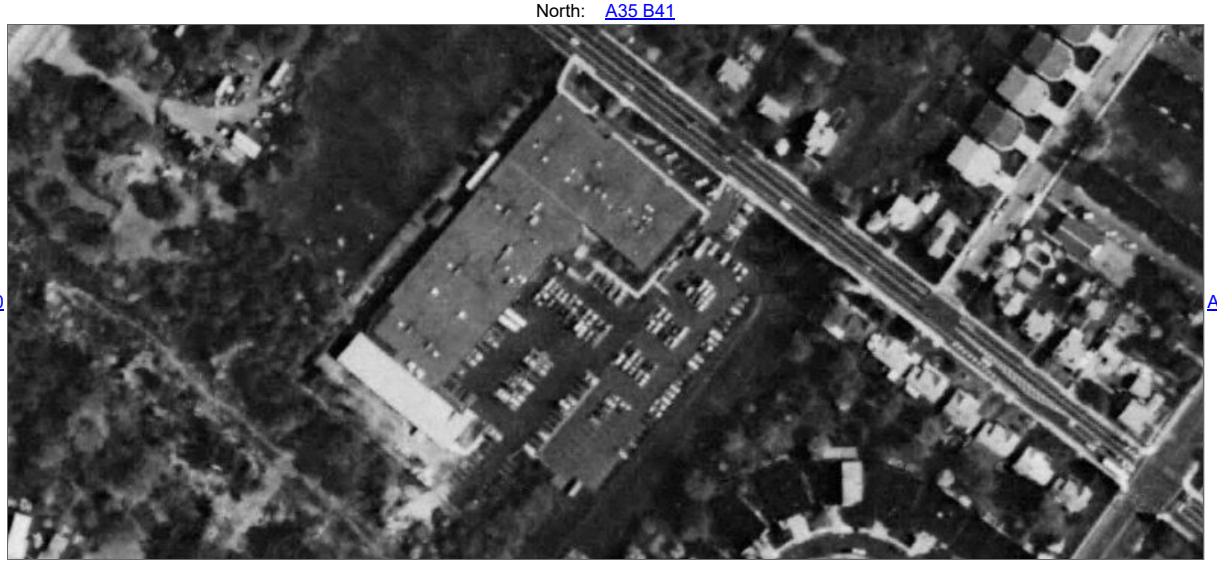
SOURCE:
Delaware Valley Regional Planning Commission

GEOGRAPHY (THIS WORK):
Bucks County, PA
Pennsylvania
Philadelphia, PA
New Jersey
Delaware County, PA
Montgomery County, PA
Burlington County, NJ
Camden County, NJ
Gloucester County, NJ

IMAGE FILE(S):
DVRPC1995.PhilaMetroAerials.0762.A35_B40

North: A35 B41

West: A34 B40



A

South: A35 B39