



ENVIRONMENTAL SERVICES ASSOCIATES, LLC.

ENVIRONMENTAL DUE DILIGENCE SERVICES • ENVIRONMENTAL SUBSURFACE INVESTIGATIONS
GEOLOGICAL & GEOTECHNICAL CONSULTING • PROPERTY CONDITION SURVEYS

September 12, 2013

2008 TLA, LLC
820 Fort Wayne Avenue
Indianapolis, Indiana 46204
Attn: Mr. Larry Mitchell

Re: Phase II Subsurface Investigation
Former Wood Preserving Facility
3605 W. Farnsworth Street
Indianapolis, Marion County, Indiana
ESA, LLC Project # 0813-1825

Mr. Mitchell,

In accordance with Environmental Service Associates, LLC (ESA, LLC) Proposal #0813-2241, dated July 17, 2013, Environmental Service Associates, LLC (ESA, LLC), has completed a Phase II Subsurface Investigation (Phase II) at the above referenced subject property. This Phase II was initiated based upon Recognized Environmental Conditions (RECs) identified in the ESA, LLC, Phase I Environmental Site Assessment report completed for the subject site, dated July 23, 2013 (ESA, LLC Project # 0613-1801). Based on the historical use of the site as a wood preserving facility, the data from this investigation will be used to establish a baseline of soil and groundwater data that can be compared to future investigations. A truck mounted Geoprobe unit was used to advance eight (8) soil borings for the collection of representative soil and ground water samples for laboratory analysis of the metals which are found in the treatment chemicals historically used at the site including Arsenic, Boron, Total Chromium, Hexavalent Chromium(6+), and Copper. In addition, Volatile Organic Compounds (VOCs) and Polynuclear Aromatic Hydrocarbons (PAHs) were analyzed for three of the borings in maintenance and storage areas.

Arsenic, Total Chromium, Hexavalent Chromium(6+), and Copper were detected in all of the groundwater samples above the Indiana Department of Environmental Management (IDEM) Remediation Closure Guide (RCG) Residential Screening Levels (RSLs). Arsenic was detected above the RSL in all of the soil samples collected except SB-7. No VOC or PAH parameters were detected above the IDEM RCG RSLs in any of the soil or groundwater samples collected during this investigation.

We trust this document is responsive to your needs. Should you have any questions or comments regarding this report, or if we can be of further service to you, please do not hesitate to contact us at 317-844-7100.

Sincerely,

ENVIRONMENTAL SERVICES ASSOCIATES, LLC

Jeffery G. Watkins, EP
Environmental Professional

1.0 INTRODUCTION

In accordance with Environmental Service Associates, LLC (ESA, LLC) Proposal #0813-2241, dated July 17, 2013, Environmental Service Associates, LLC (ESA, LLC), has completed a Phase II Subsurface Investigation (Phase II) at the above referenced subject property. This Phase II was initiated based upon Recognized Environmental Conditions (RECs) identified in the ESA, LLC, Phase I Environmental Site Assessment report completed for the subject site, dated July 23, 2013 (ESA, LLC Project # 0613-1801). The subject property is depicted on the Vicinity Map (**Figure 1**), the Topographic Map (**Figure 1A**), the Site Map (**Figure 2**), and Site Map Legend (**Figure 2A**), provided in **Appendix A**.

Based on the historical use of the site as a wood preserving facility, the data from this investigation will be used to establish a baseline of soil and groundwater data that can be compared to future investigations. A truck mounted Geoprobe unit was used to advance eight (8) soil borings for the collection of representative soil and ground water samples for laboratory analysis of the metals which are found in the treatment chemicals historically used at the site including Arsenic, Boron, Total Chromium, Hexavalent Chromium(6+), and Copper. In addition, Volatile Organic Compounds (VOCs) and Polynuclear Aromatic Hydrocarbons (PAHs) were analyzed for three of the borings in maintenance and storage areas.

The soil borings were advanced in areas identified as RECs in ESA, LLC's Phase I Environmental Assessment Report, dated July 23, 2013 (ESA, LLC Project # 0613-1801), and are depicted on the Boring Location Map provided as **Figure 3** in **Appendix A**.

2.0 SOIL BORING METHODOLOGIES

2.1 Soil Boring Investigation Methodologies

Eight (8) soil borings (SB-1 through SB-8) were advanced using Geoprobe® soil boring technology using a truck mounted 5410 Geoprobe® direct push drill rig system. The Geoprobe driven soil samples were collected continuously in each soil boring, beginning at the ground surface, to maximum depths ranging from 12 to 20 feet below the ground surface (ft-bgs). Geoprobe core samples were obtained using a two-inch diameter, 48 inch long, acetate lined, stainless steel core barrel sampler. Disposable acetate liners were replaced prior to each sample collection.

2.2 Soil Sampling Methodologies

The acetate sleeves were removed from the core barrel sampling tool and split lengthwise using a razor knife. The soil samples were examined in two foot intervals to characterize the lithology, and screen the soil samples for possible contaminants using a Photoionization Detector (PID), which measures total photoionizable vapors (TPVs) in parts per million (ppm). The sample exhibiting the greatest likelihood of containing contaminants was selected for submittal to the laboratory for analysis. The results of the soil sample examination are provided in the Soil Boring Logs provided in **Appendix B**.

A representative portion of the soil interval selected for analysis was immediately placed into a laboratory provided containers with a Teflon lids, sealed, labeled and placed on ice in a cooler to maintain the samples at a maximum storage temperature of 4° C. Samples to be analyzed for VOCs were collected in accordance with US EPA SW-846 Method 5035.

2.3 Ground Water Sampling Methodologies

After the soil samples were collected, the Geoprobe rods were removed and a brand new screened, PVC piezometer inserted into each open borehole. A long section of new 1/8" food grade Teflon tubing was inserted through the piezometer, to the bottom of the screen, and a peristaltic pump or check valve was then used to extract ground water samples through the tubing. At least one-liter of ground water was purged from each borehole prior to sample collection. It should be noted that the engine of the Geoprobe unit was shut down prior to the collection of any ground water samples.

The tubing was crimped and removed from the piezometer. Retained ground water was transferred from the tubing directly into glass vials and bottles, prepared by the testing laboratory with the appropriate chemical preservatives. Latex gloves were worn by sampling personnel and changed between sampling locations. New Teflon tubing and piezometers were used at each ground water sampling location. The samples were then placed on ice in a cooler to maintain the samples at a storage temperature of 4° C.

2.4 Laboratory Methodologies

Soil and Ground water samples collected during the investigation were delivered by ESA, LLC personnel to Pace Analytical Laboratories in Indianapolis, Indiana on August 23, 2013, following strict chain of custody protocols.

The soil and groundwater samples were analyzed for Arsenic, Boron, Total Chromium, and Copper using US EPA Method 6010; Hexavalent Chromium(6+) using US EPA Method 7196; Volatile Organic Compounds (VOCs) using US EPA Method 8260; and Polynuclear Aromatic Hydrocarbons (PAHs) using US EPA Method 8270 SIM. Samples were analyzed in accordance with the U.S. EPA, *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*, SW-846, Third Edition, 1986.

3.0 INVESTIGATION RESULTS

3.1 Subsurface Geology

Soils encountered consisted of primarily of dry, gray, silty clay from the surface to 5-6 feet below the ground surface (ft-bgs), underlain by dry, brown, medium sand with some gravel extending to the terminal depth of the borings at 24 ft-bgs. Groundwater was generally encountered at approximately 22 ft-bgs. As previously stated, soil boring logs are provided in **Appendix B**.

3.2 Soil and Ground Water Analytical Results

The results of the subsurface soil and groundwater sample analysis were compared against the Indiana Department of Environmental Management (IDEM) Remediation Closure Guide (RCG 3-22-13) Residential Screening Levels (RSLs).

Soil Analytical Results

Arsenic was detected above the RSL in all of the soil samples collected except SB-7. No VOC or PAH parameters were detected above the IDEM RCG RSLs in any of the soil samples collected during this investigation. A summary of the soil analytical results is provided in **Table 1** in **Appendix A**. The laboratory certificates of analysis are provided in **Appendix C**.

Groundwater Analytical Results

Arsenic, Total Chromium, Hexavalent Chromium (6+), and Copper were detected in all of the groundwater samples above the RCG RSLs. No VOC or PAH parameters were detected above the IDEM RCG RSLs in any of the groundwater samples collected during this investigation. A summary of the groundwater analytical results is provided in **Table 2** in **Appendix A**. The laboratory certificates of analysis are provided in **Appendix C**.

4.0 CONCLUSIONS

In accordance with Environmental Service Associates, LLC (ESA, LLC) Proposal #0813-2241, dated July 17, 2013, Environmental Service Associates, LLC (ESA, LLC), has completed a Phase II Subsurface Investigation (Phase II) at the above referenced subject property. This Phase II was initiated based upon Recognized Environmental Conditions (RECs) identified in the ESA, LLC, Phase I Environmental Site Assessment report completed for the subject site, dated July 23, 2013 (ESA, LLC Project # 0613-1801).

Based on the historical use of the site as a wood preserving facility, the data from this investigation will be used to establish a baseline of soil and groundwater data that can be compared to future investigations. Eight (8) soil borings were advanced for the collection of representative soil and ground water samples for laboratory analysis. Analytical parameters included the metals which are found in the treatment chemicals historically used at the site including Arsenic, Boron, Total Chromium, Hexavalent Chromium(6+), and Copper. In addition, Volatile Organic Compounds (VOCs) and Polynuclear Aromatic Hydrocarbons (PAHs) were analyzed for three of the borings in maintenance and storage areas. Arsenic, Total Chromium, Hexavalent Chromium(6+), and Copper were detected in all of the groundwater samples above the Indiana Department of Environmental Management (IDEM) Remediation Closure Guide (RCG) Residential Screening Levels (RSLs). Arsenic was detected above the RSL in all of the soil samples collected except SB-7. No VOC or PAH parameters were detected above the IDEM RCG RSLs in any of the soil or groundwater samples collected during this investigation.

5.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS:



Tad Spaulding
Project Manager



Jeffery G. Watkins, EP
Environmental Professional

APPENDIX A

TABLES & FIGURES

Table 1	Summary of Soil Analytical Results
Table 2	Summary of Groundwater Analytical Results
Figure 1	Vicinity Map
Figure 1A	Topographic Map
Figure 2	Site Map
Figure 2A	Legend for Site Map
Figure 3	Boring Location Map

TABLES

Table 1	Summary of Soil Analytical Results
Table 2	Summary of Groundwater Analytical Results



Table 1
Summary of Soil Analytical Results
Former Wood Preserving Facility
3605 Farnsworth Street
Indianapolis, Indiana

Soil Sample Identification	Date	Depth (ft-bgs)	METALS					VOLATILE ORGANIC COMPOUNDS (VOCs)					POLYNUCLEAR AROMATIC HYDROCARBONS (PAHs)										
			Arsenic (mg/kg)	Boron (mg/kg)	Total Chromium (mg/kg) *	Hexavalent Chromium (6+) (mg/kg)	Copper (mg/kg)	Benzene (mg/kg)	Ethylbenzene (mg/kg)	Toluene (mg/kg)	Total Xylenes (mg/kg)	Methyl Tertiary Butyl Ether (mg/kg)	Benzo(a) anthracene (mg/kg)	Benzo(a) pyrene (mg/kg)	Benzo(b) fluoranthene (mg/kg)	Benzo(k) fluoranthene (mg/kg)	Chrysene (mg/kg)	Fluoranthene (mg/kg)	Indeno(1,2,3-cd)pyrene (mg/kg)	1-Methylnaphthalene (mg/kg)	2-Methylnaphthalene (mg/kg)	Naphthalene (mg/kg)	Pyrene (mg/kg)
SB-1	08/22/13	0-2	12.2	9.9	19.1	<2.3	21.9	<0.0055	<0.0055	<0.0055	<0.110	<0.0055	0.0169	0.0173	0.0165	0.0153	0.0189	0.0394	0.0099	<0.006	<0.006	0.0069	0.0310
SB-2	08/22/13	0-2	11.8	8.6	18.1	<2.3	19.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SB-3	08/22/13	0-2	10.9	5.9	16.1	<2.4	16.4	<0.0043	<0.0043	<0.0043	<0.0086	<0.0043	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	0.0074	<0.0059	<0.0059	<0.0059	0.0061	
SB-4	08/22/13	0-2	9.5	<5.6	13.8	<2.4	11.3	<0.0044	<0.0044	<0.0044	<0.0089	<0.0044	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	
SB-5	08/22/13	0-2	8.0	10.5	20.8	<2.1	23.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SB-6	08/22/13	0-2	44.7	6.4	41.9	<2.4	27.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SB-7	08/22/13	0-2	5.1	<5.4	9.6	<2.2	8.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SB-8	08/22/13	0-2	9.4	5.6	17.0	<2.3	16.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
IDEM RCG Residential Screening Levels (RSLs)			5.5	22,000	10,000*	4.1	4,300	15	76	820	260	600	2.1	0.21	2.1	21	210	3,200	2.1	310	370	50	2,400
IDEM RCG Commercial/Industrial Screening Levels (CSLs)			16	100,000	10,000*	56	41,000	54	270	820	260	2,200	21	2.10	21	210	2,100	22,000	21	390	370	180	170,000

- IDEM = Indiana Department of Environmental Management
- RCG = Remediation Closure Guide
- NA = Not Analyzed
- mg/kg = Milligrams per kilogram – parts per million (ppm)
- Bold concentrations exceed IDEM RCG Residential Screening Levels
- Bold & highlighted concentrations exceed IDEM RCG Commercial/Industrial Screening Levels
- * IDEM has not established RCG Screening Levels for Total Chromium - Chromium (III) Screening Levels are presented for comparison



Table 2
Summary of Groundwater Analytical Results
Former Wood Preserving Facility
3605 Farnsworth Street
Indianapolis, Indiana

Groundwater Sample Identification	Date	METALS					VOLATILE ORGANIC COMPOUNDS (VOCs)					POLYNUCLEAR AROMATIC HYDROCARBONS (PAHs)										
		Arsenic (ug/L)	Boron (ug/L)	Total Chromium (ug/L)	Hexavalent Chromium (6+) (ug/L)	Copper (ug/L)	Benzene (ug/L)	Ethylbenzene (ug/L)	Toluene (ug/L)	Total Xylenes (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Benzo(a) anthracene (ug/L)	Benzo(a) pyrene (ug/L)	Benzo(b) fluoranthene (ug/L)	Benzo(k) fluoranthene (ug/L)	Chrysene (ug/L)	Fluoranthene (ug/L)	Indeno(1,2,3-cd)pyrene (ug/L)	1-Methylhaphthalene (ug/L)	2-Methylhaphthalene (ug/L)	Naphthalene (ug/L)	Pyrene (ug/L)
SB-1	08/22/13	1,090	797	1,110	<10	4,340	<5	<5	<5	<10	<5	<0.10	<0.10	<0.10	<0.10	<0.50	<1.0	<0.10	<1.0	<1.0	<1.0	<1.0
SB-2	08/22/13	29	343	732	<10	4,480	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-3	08/22/13	1,180	407	952	<10	3,150	<5	<5	<5	<10	<5	<0.10	<0.10	<0.10	<0.10	<0.50	<1.0	<0.10	<1.0	<1.0	<1.0	<1.0
SB-4	08/22/13	1,540	227	1,160	<10	3,790	<5	<5	<5	<10	<5	<0.10	<0.10	<0.10	<0.10	<0.50	<1.0	<0.10	<1.0	<1.0	<1.0	<1.0
SB-5	08/22/13	902	529	744	95	1,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-6	08/22/13	1,460	809	888	<10	3,980	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-7	08/22/13	1,480	789	994	<10	5,060	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-8	08/22/13	915	568	802	<10	2,660	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IDEM RCG Residential Screening Levels		10.0	3,100	100	0.31	1,300	5	700	1000	10000	120	0.29	0.2	0.29	2.9	29	630	0.29	9.7	27	1.4	87

- IDEM = Indiana Department of Environmental Management
- RCG = Remediation Closure Guide
- NA = Not Analyzed
- ug/L = Micrograms per Liter = parts per billion (ppb)
- Bold concentrations exceed IDEM RCG Residential Screening Levels
- IDEM has not established RCG Commercial/Industrial Screening Levels for Groundwater

FIGURES

- Figure 1 Vicinity Map**
- Figure 1A Topographic Map**
- Figure 2 Site Map**
- Figure 2A Legend for Site Map**
- Figure 3 Boring Location Map**



DETAIL MAP - 3633426.2s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

- Indian Reservations BIA
- Oil & Gas pipelines from USGS
- National Wetland Inventory

0 1/16 1/8 1/4 Miles

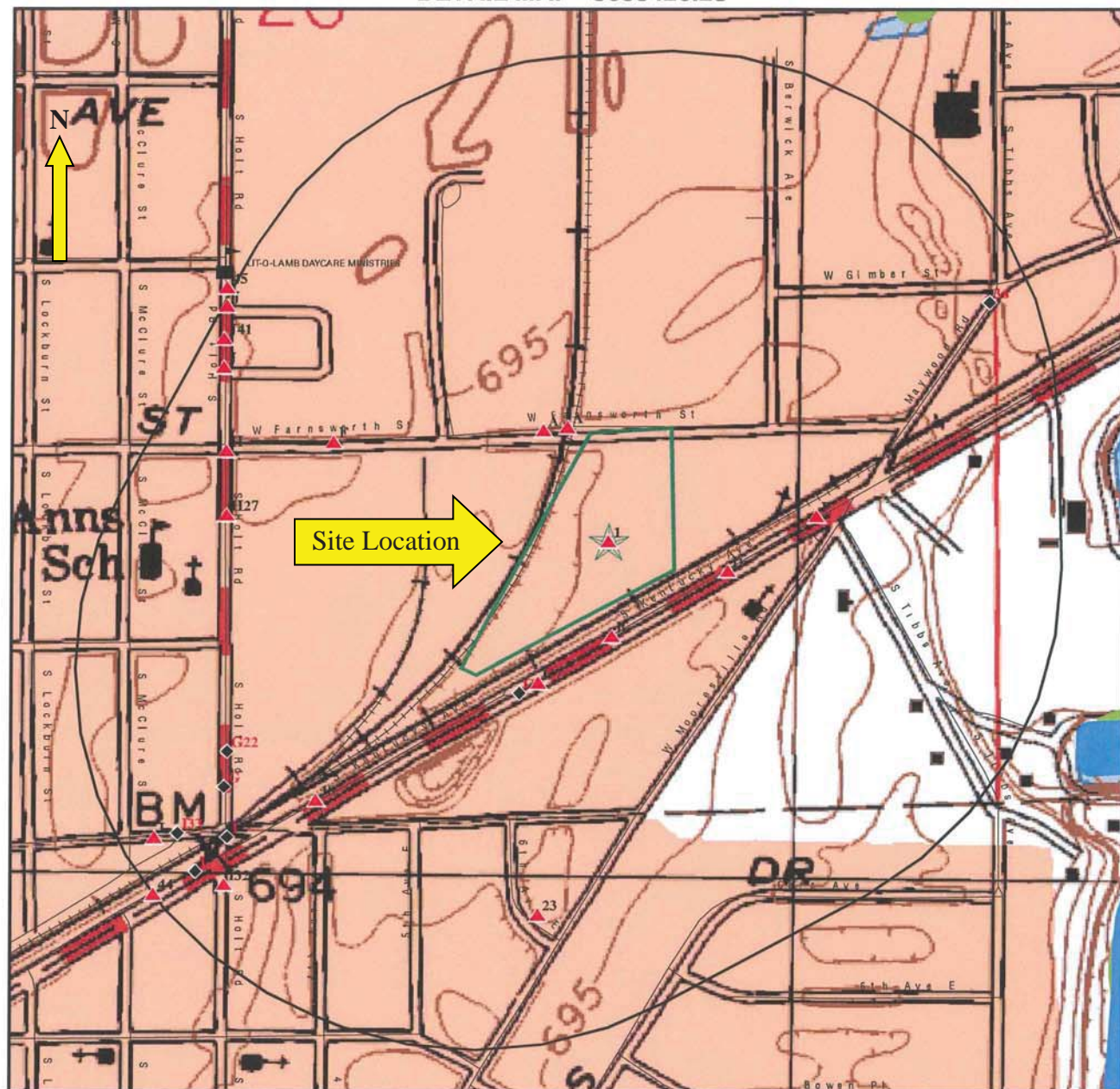
This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.



Vicinity Map
3605 Farnsworth Avenue
Indianapolis, Indiana 46241

FIGURE
1

DETAIL MAP - 3633426.2s



Target Property

- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- ▲ Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

- Indian Reservations BIA
- Oil & Gas pipelines from USGS
- National Wetland Inventory

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.



Topographic Map

3605 Farnsworth Avenue
Indianapolis Indiana 46241

FIGURE
1A



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Site Map

3605 Farnsworth Street
Indianapolis, Indiana
See Next Page for Legend

FIGURE
2

Legend for Site Map

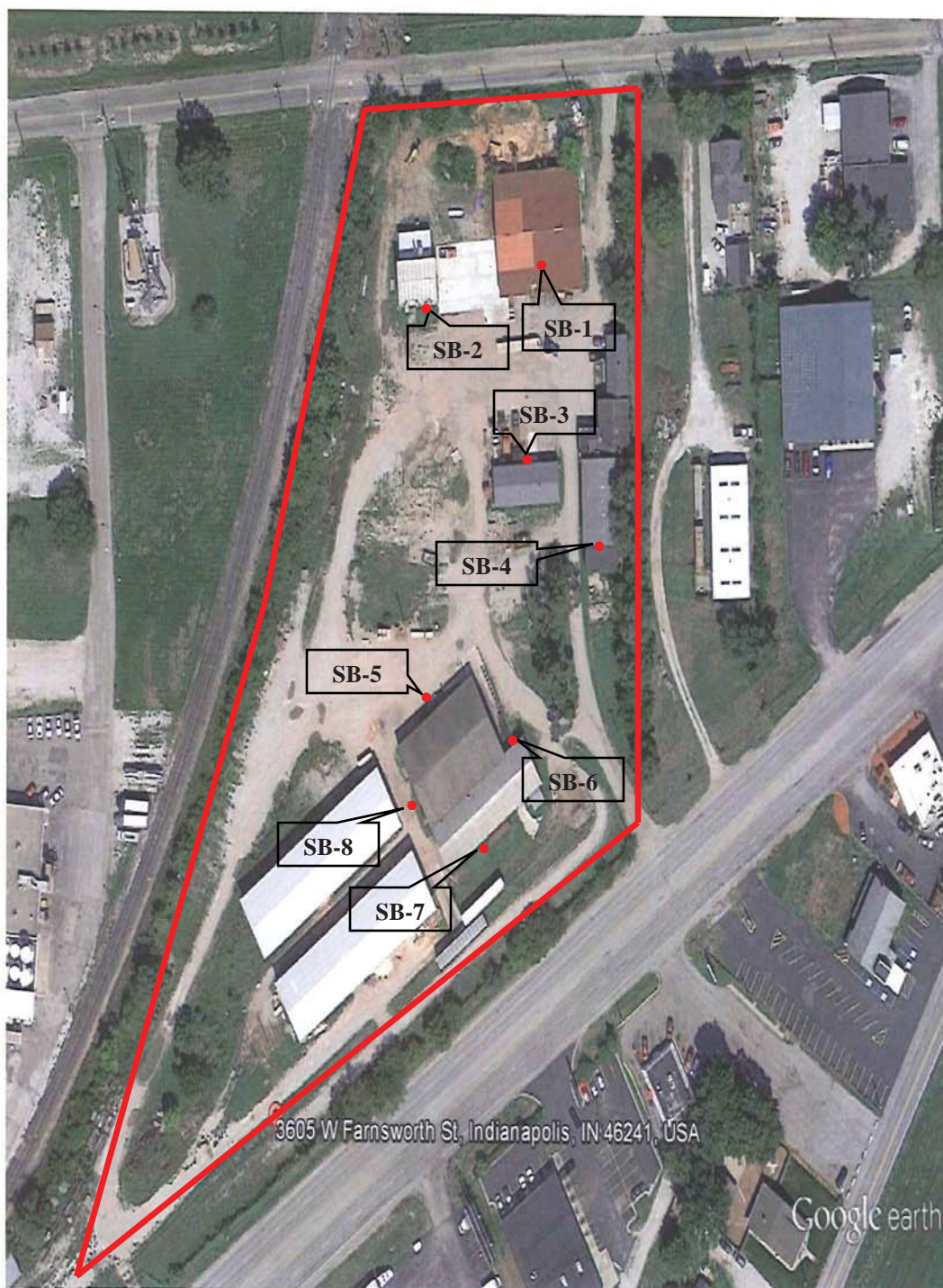
- Building A – Office Building
- Building B – Maintenance/Shop Building
- Building C – DOT Building
- Building D – Wood Treatment Building
- Building E – Covered Drip Pad Structure
- Building F – South Outside Storage Building
- Building G – North Outside Storage Building
- Building H – Kiln Drying Building
- Building I – Wood Stacker Building



Site Map

3605 Farnsworth Street
Indianapolis, Indiana

FIGURE
2A



Google earth

feet
meters



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Boring Location Map

3605 W. Farnsworth Street
Indianapolis, Indiana
ESA, LLC Project # 0813-1825

FIGURE
3

APPENDIX B

SOIL BORING LOGS



ENVIRONMENTAL
SERVICES ASSOCIATES, LLC.

234 West Main Street
Carmel, Indiana 46032

Project Name: Former Wood Preserving Facility
Site Address: 3605 W. Farnsworth Street
City, State: Indianapolis, IN

BORING/WELL LOG: SB-1

Date: 8/22/13
Client: 2008 TLA, LLC

SUBSURFACE PROFILE			SAMPLE			Well Completion Details: N/A
DEPTH (ft)	SYMBOL	GEOLOGIC DESCRIPTION	SAMPLE INTERVAL	RECOVERY	PID (ppm)	
0		Ground Surface				<p>2" Diameter Sched 40 PVC Casing</p> <p>2-in Diameter, 0.010-in Slot Well Screen</p> <p>Bentonite</p> <p>Silica Quartz Sand Pack</p>
1		Dry, gray, silty clay	0-2*	100	<1.0	
2						
3			2-4	100	<1.0	
4						
5			4-6	100	<1.0	
6		Dry, brown, medium sand with some gravel				
7			6-8	100	<1.0	
8						
9			8-10	100	<1.0	
10						
11			10-12	100	<1.0	

Note: * Sample Submitted for laboratory analysis.

Boring Diameter: 2.0 inches

Boring Depth: 24 ft

Well Diameter: N/A

Screen Material: N/A

Screen Length: N/A

▲ - Indicates depth to groundwater during development.

Casing Length: N/A

Casing Material: N/A

Sampling Method: Geoprobe

Drill Method: Direct Push

Drilled By: Geobore, LLC

Geologist: Tad Spaulding

NM: Not Measured




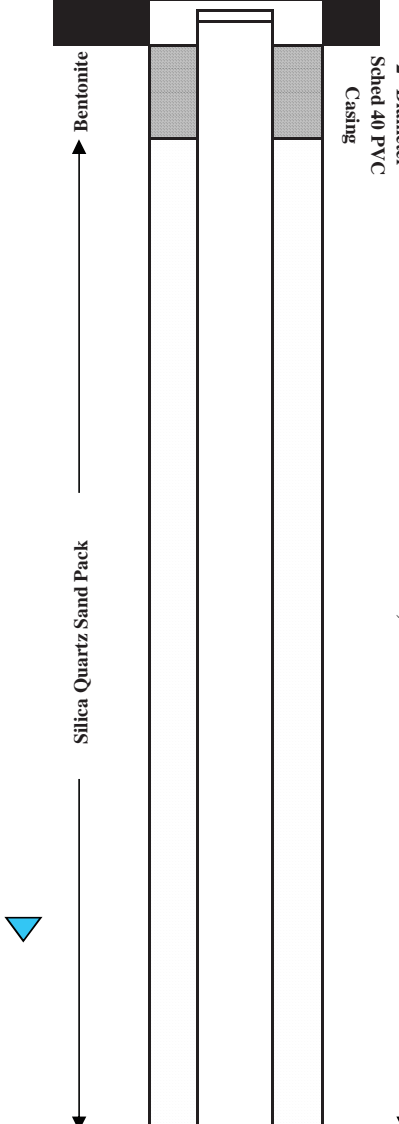
ENVIRONMENTAL
SERVICES ASSOCIATES, LLC.

234 West Main Street
Carmel, Indiana 46032

Project Name: Former Wood Preserving Facility
Site Address: 3605 W. Farnsworth Street
City, State: Indianapolis, IN

BORING/WELL LOG: SB-1

Date: 8/22/13
Client: 2008 TLA, LLC

SUBSURFACE PROFILE			SAMPLE			Well Completion Details: N/A
DEPTH (ft)	SYMBOL	GEOLOGIC DESCRIPTION	SAMPLE INTERVAL	RECOVERY	PID (ppm)	
12		Dry, brown, medium sand with some gravel	12-14	100	<1.0	
13						
14						
15						
16						
17						
18		14-16	100	<1.0		
19						
20		16-18	100	<1.0		
21						
22	18-20	100	<1.0			
23						
24	20-22	100	<1.0			
25						
26	22-24	100	<1.0			
27						
28	Bottom of the boring at 24 ft					

Note: * Sample Submitted for laboratory analysis.

Boring Diameter: 2.0 inches

Boring Depth: 24 ft

Well Diameter: N/A

Screen Material: N/A

Screen Length: N/A

▼ - Indicates depth to groundwater during development.

Casing Length: N/A

Casing Material: N/A

Sampling Method: Geoprobe

Drill Method: Direct Push

Drilled By: Geobore, LLC

Geologist: Tad Spaulding

NM: Not Measured



ENVIRONMENTAL
SERVICES ASSOCIATES, LLC.

234 West Main Street
Carmel, Indiana 46032

Project Name: Former Wood Preserving Facility
Site Address: 3605 W. Farnsworth Street
City, State: Indianapolis, IN

BORING/WELL LOG: SB-2

Date: 8/22/13
Client: 2008 TLA, LLC

SUBSURFACE PROFILE			SAMPLE			Well Completion Details: N/A
DEPTH (ft)	SYMBOL	GEOLOGIC DESCRIPTION	SAMPLE INTERVAL	RECOVERY	PID (ppm)	
0		Ground Surface				<p>2" Diameter Sched 40 PVC Casing</p> <p>2-in Diameter, 0.010-in Slot Well Screen</p> <p>Bentonite</p> <p>Silica Quartz Sand Pack</p>
1		Dry, gray, silty clay	0-2*	100	<1.0	
2						
3			2-4	100	<1.0	
4						
5			4-6	100	<1.0	
6		Dry, brown, medium sand with some gravel				
7			6-8	100	<1.0	
8						
9			8-10	100	<1.0	
10						
11			10-12	100	<1.0	

Note: * Sample Submitted for laboratory analysis.

Boring Diameter: 2.0 inches

Boring Depth: 24 ft

Well Diameter: N/A

Screen Material: N/A

Screen Length: N/A

▼ - Indicates depth to groundwater during development.

Casing Length: N/A

Casing Material: N/A

Sampling Method: Geoprobe

Drill Method: Direct Push

Drilled By: Geobore, LLC

Geologist: Tad Spaulding

NM: Not Measured



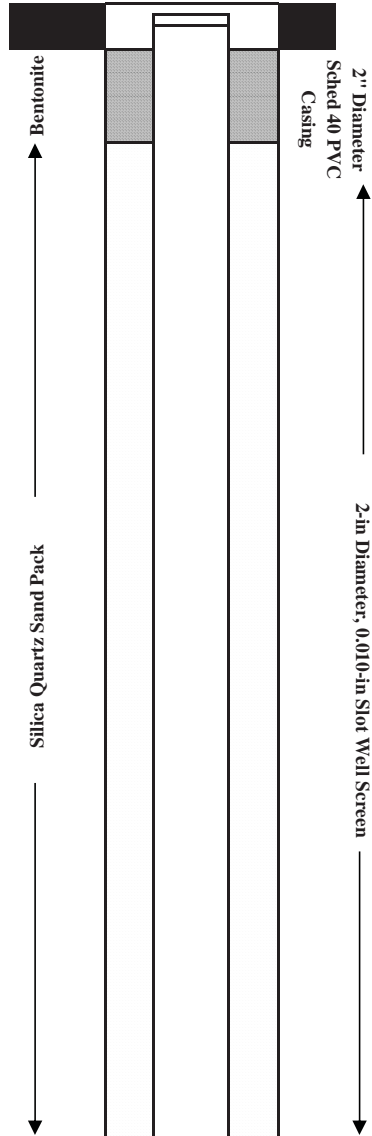
ENVIRONMENTAL
SERVICES ASSOCIATES, LLC.

234 West Main Street
Carmel, Indiana 46032

Project Name: Former Wood Preserving Facility
Site Address: 3605 W. Farnsworth Street
City, State: Indianapolis, IN

BORING/WELL LOG: SB-2

Date: 8/22/13
Client: 2008 TLA, LLC

SUBSURFACE PROFILE			SAMPLE			Well Completion Details: N/A
DEPTH (ft)	SYMBOL	GEOLOGIC DESCRIPTION	SAMPLE INTERVAL	RECOVERY	PID (ppm)	
12		Dry, brown, medium sand with some gravel	12-14	100	<1.0	
13						
14						
15						
16						
17		14-16	100	<1.0		
18		16-18	100	<1.0		
19		18-20	100	<1.0		
20		20-22	100	<1.0		
21		Becomes wet, brown, medium sand with some gravel	22-24	100	<1.0	
22						
23						
Bottom of the boring at 24 ft						

Note: * Sample Submitted for laboratory analysis.

Boring Diameter: 2.0 inches

Boring Depth: 24 ft

Well Diameter: N/A

Screen Material: N/A

Screen Length: N/A

▲ - Indicates depth to groundwater during development.

Casing Length: N/A

Casing Material: N/A

Sampling Method: Geoprobe

Drill Method: Direct Push

Drilled By: Geobore, LLC

Geologist: Tad Spaulding

NM: Not Measured



ENVIRONMENTAL
SERVICES ASSOCIATES, LLC.

234 West Main Street
Carmel, Indiana 46032

Project Name: Former Wood Preserving Facility
Site Address: 3605 W. Farnsworth Street
City, State: Indianapolis, IN

BORING/WELL LOG: SB-3

Date: 8/22/13
Client: 2008 TLA, LLC

SUBSURFACE PROFILE			SAMPLE			Well Completion Details: N/A
DEPTH (ft)	SYMBOL	GEOLOGIC DESCRIPTION	SAMPLE INTERVAL	RECOVERY	PID (ppm)	
0		Ground Surface				<p>2" Diameter Sched 40 PVC Casing</p> <p>2-in Diameter, 0.010-in Slot Well Screen</p> <p>Bentonite</p> <p>Silica Quartz Sand Pack</p>
1		Dry, gray, silty clay	0-2*	100	<1.0	
2						
3			2-4	100	<1.0	
4						
5			4-6	100	<1.0	
6		Dry, brown, medium sand with some gravel				
7			6-8	100	<1.0	
8						
9			8-10	100	<1.0	
10						
11			10-12	100	<1.0	

Note: * Sample Submitted for laboratory analysis.

Boring Diameter: 2.0 inches

Boring Depth: 24 ft

Well Diameter: N/A

Screen Material: N/A

Screen Length: N/A

▲ - Indicates depth to groundwater during development.

Casing Length: N/A

Casing Material: N/A

Sampling Method: Geoprobe

Drill Method: Direct Push

Drilled By: Geobore, LLC

Geologist: Tad Spaulding

NM: Not Measured




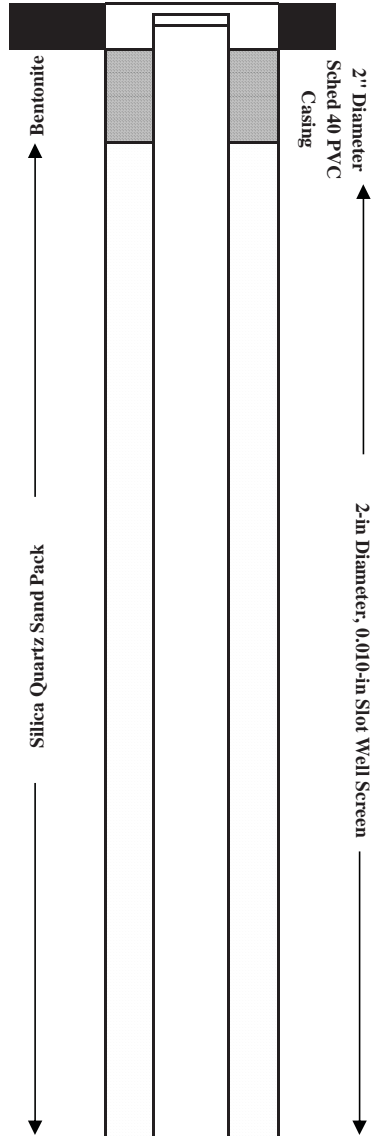
ENVIRONMENTAL
SERVICES ASSOCIATES, LLC.

234 West Main Street
Carmel, Indiana 46032

Project Name: Former Wood Preserving Facility
Site Address: 3605 W. Farnsworth Street
City, State: Indianapolis, IN

BORING/WELL LOG: SB-3

Date: 8/22/13
Client: 2008 TLA, LLC

SUBSURFACE PROFILE			SAMPLE			Well Completion Details: N/A
DEPTH (ft)	SYMBOL	GEOLOGIC DESCRIPTION	SAMPLE INTERVAL	RECOVERY	PID (ppm)	
12		Dry, brown, medium sand with some gravel	12-14	100	<1.0	
13						
14						
15						
16						
17		14-16	100	<1.0		
18						
19		16-18	100	<1.0		
20						
21		18-20	100	<1.0		
22						
23		20-22	100	<1.0		
	22-24	100	<1.0			
	Bottom of the boring at 24 ft					

Note: * Sample Submitted for laboratory analysis.

Boring Diameter: 2.0 inches

Boring Depth: 24 ft

Well Diameter: N/A

Screen Material: N/A

Screen Length: N/A

▲ - Indicates depth to groundwater during development.

Casing Length: N/A

Casing Material: N/A

Sampling Method: Geoprobe

Drill Method: Direct Push

Drilled By: Geobore, LLC

Geologist: Tad Spaulding

NM: Not Measured



ENVIRONMENTAL
SERVICES ASSOCIATES, LLC.

234 West Main Street
Carmel, Indiana 46032

Project Name: Former Wood Preserving Facility
Site Address: 3605 W. Farnsworth Street
City, State: Indianapolis, IN

BORING/WELL LOG: SB-4

Date: 8/22/13
Client: 2008 TLA, LLC

SUBSURFACE PROFILE			SAMPLE			Well Completion Details: N/A
DEPTH (ft)	SYMBOL	GEOLOGIC DESCRIPTION	SAMPLE INTERVAL	RECOVERY	PID (ppm)	
0		Ground Surface				<p>2" Diameter Sched 40 PVC Casing</p> <p>2-in Diameter, 0.010-in Slot Well Screen</p> <p>Bentonite</p> <p>Silica Quartz Sand Pack</p>
1		Dry, gray, silty clay	0-2*	100	<1.0	
2						
3			2-4	100	<1.0	
4						
5			4-6	100	<1.0	
6		Dry, brown, medium sand with some gravel				
7			6-8	100	<1.0	
8						
9			8-10	100	<1.0	
10						
11			10-12	100	<1.0	

Note: * Sample Submitted for laboratory analysis.

Boring Diameter: 2.0 inches

Boring Depth: 24 ft

Well Diameter: N/A

Screen Material: N/A

Screen Length: N/A

▲ - Indicates depth to groundwater during development.

Casing Length: N/A

Casing Material: N/A

Sampling Method: Geoprobe

Drill Method: Direct Push

Drilled By: Geobore, LLC

Geologist: Tad Spaulding

NM: Not Measured




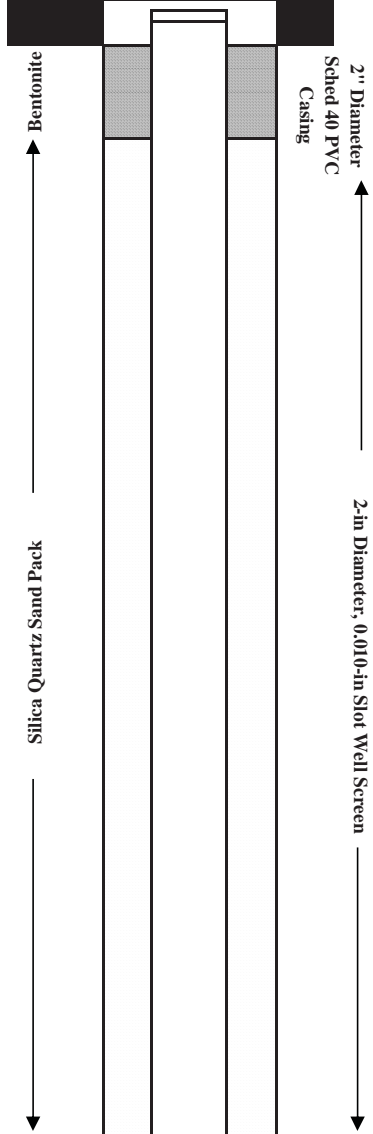
ENVIRONMENTAL
SERVICES ASSOCIATES, LLC.

234 West Main Street
Carmel, Indiana 46032

Project Name: Former Wood Preserving Facility
Site Address: 3605 W. Farnsworth Street
City, State: Indianapolis, IN

BORING/WELL LOG: SB-4

Date: 8/22/13
Client: 2008 TLA, LLC

SUBSURFACE PROFILE			SAMPLE			Well Completion Details: N/A
DEPTH (ft)	SYMBOL	GEOLOGIC DESCRIPTION	SAMPLE INTERVAL	RECOVERY	PID (ppm)	
12		Dry, brown, medium sand with some gravel	12-14	100	<1.0	
13						
14						
15						
16						
17						
18		Becomes wet, brown, medium sand with some gravel	14-16	100	<1.0	
19						
20						
21						
22						
23						
Bottom of the boring at 24 ft		22-24	100	<1.0		

Note: * Sample Submitted for laboratory analysis.

Boring Diameter: 2.0 inches

Boring Depth: 24 ft

Well Diameter: N/A

Screen Material: N/A

Screen Length: N/A

▼ - Indicates depth to groundwater during development.

Casing Length: N/A

Casing Material: N/A

Sampling Method: Geoprobe

Drill Method: Direct Push

Drilled By: Geobore, LLC

Geologist: Tad Spaulding

NM: Not Measured



ENVIRONMENTAL
SERVICES ASSOCIATES, LLC.

234 West Main Street
Carmel, Indiana 46032

Project Name: Former Wood Preserving Facility
Site Address: 3605 W. Farnsworth Street
City, State: Indianapolis, IN

BORING/WELL LOG: SB-5

Date: 8/22/13
Client: 2008 TLA, LLC

SUBSURFACE PROFILE			SAMPLE			Well Completion Details: N/A
DEPTH (ft)	SYMBOL	GEOLOGIC DESCRIPTION	SAMPLE INTERVAL	RECOVERY	PID (ppm)	
0		Ground Surface				<p>2" Diameter Sched 40 PVC Casing</p> <p>2-in Diameter, 0.010-in Slot Well Screen</p> <p>Bentonite</p> <p>Silica Quartz Sand Pack</p>
1		Dry, gray, silty clay	0-2*	100	<1.0	
2						
3			2-4	100	<1.0	
4						
5		Dry, brown, medium sand with some gravel	4-6	100	<1.0	
6						
7			6-8	100	<1.0	
8						
9			8-10	100	<1.0	
10						
11			10-12	100	<1.0	

Note: * Sample Submitted for laboratory analysis.

Boring Diameter: 2.0 inches

Boring Depth: 24 ft

Well Diameter: N/A

Screen Material: N/A

Screen Length: N/A

▼ - Indicates depth to groundwater during development.

Casing Length: N/A

Casing Material: N/A

Sampling Method: Geoprobe

Drill Method: Direct Push

Drilled By: Geobore, LLC

Geologist: Tad Spaulding

NM: Not Measured



ENVIRONMENTAL
SERVICES ASSOCIATES, LLC.

234 West Main Street
Carmel, Indiana 46032

Project Name: Former Wood Preserving Facility
Site Address: 3605 W. Farnsworth Street
City, State: Indianapolis, IN

BORING/WELL LOG: SB-5

Date: 8/22/13
Client: 2008 TLA, LLC

SUBSURFACE PROFILE			SAMPLE			Well Completion Details: N/A
DEPTH (ft)	SYMBOL	GEOLOGIC DESCRIPTION	SAMPLE INTERVAL	RECOVERY	PID (ppm)	
12		Dry, brown, medium sand with some gravel	12-14	100	<1.0	
13						
14						
15						
16						
17		14-16	100	<1.0		
18						
19		16-18	100	<1.0		
20						
21		18-20	100	<1.0		
22		20-22	100	<1.0		
23		22-24	100	<1.0		
Bottom of the boring at 24 ft						

Note: * Sample Submitted for laboratory analysis.

Boring Diameter: 2.0 inches

Boring Depth: 24 ft

Well Diameter: N/A

Screen Material: N/A

Screen Length: N/A

▼ - Indicates depth to groundwater during development.

Casing Length: N/A

Casing Material: N/A

Sampling Method: Geoprobe

Drill Method: Direct Push

Drilled By: Geobore, LLC

Geologist: Tad Spaulding

NM: Not Measured



ENVIRONMENTAL
SERVICES ASSOCIATES, LLC.

234 West Main Street
Carmel, Indiana 46032

Project Name: Former Wood Preserving Facility
Site Address: 3605 W. Farnsworth Street
City, State: Indianapolis, IN

BORING/WELL LOG: SB-6

Date: 8/22/13
Client: 2008 TLA, LLC

SUBSURFACE PROFILE			SAMPLE			Well Completion Details: N/A
DEPTH (ft)	SYMBOL	GEOLOGIC DESCRIPTION	SAMPLE INTERVAL	RECOVERY	PID (ppm)	
0		Ground Surface				<p>2" Diameter Sched 40 PVC Casing</p> <p>2-in Diameter, 0.010-in Slot Well Screen</p> <p>Bentonite</p> <p>Silica Quartz Sand Pack</p>
1		Dry, gray, silty clay	0-2*	100	<1.0	
2						
3			2-4	100	<1.0	
4						
5		Dry, brown, medium sand with some gravel	4-6	100	<1.0	
6						
7			6-8	100	<1.0	
8						
9			8-10	100	<1.0	
10						
11			10-12	100	<1.0	

Note: * Sample Submitted for laboratory analysis.

Boring Diameter: 2.0 inches

Boring Depth: 24 ft

Well Diameter: N/A

Screen Material: N/A

Screen Length: N/A

▼ - Indicates depth to groundwater during development.

Casing Length: N/A

Casing Material: N/A

Sampling Method: Geoprobe

Drill Method: Direct Push

Drilled By: Geobore, LLC

Geologist: Tad Spaulding

NM: Not Measured




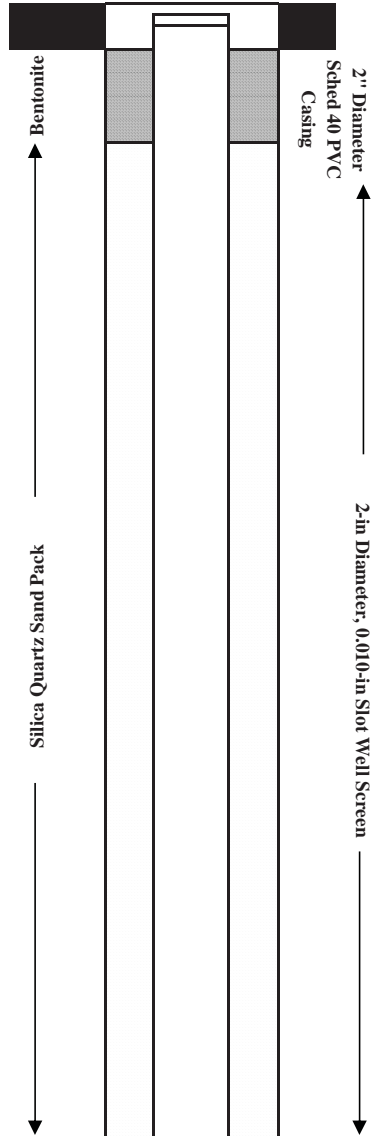
ENVIRONMENTAL
SERVICES ASSOCIATES, LLC.

234 West Main Street
Carmel, Indiana 46032

Project Name: Former Wood Preserving Facility
Site Address: 3605 W. Farnsworth Street
City, State: Indianapolis, IN

BORING/WELL LOG: SB-6

Date: 8/22/13
Client: 2008 TLA, LLC

SUBSURFACE PROFILE			SAMPLE			Well Completion Details: N/A
DEPTH (ft)	SYMBOL	GEOLOGIC DESCRIPTION	SAMPLE INTERVAL	RECOVERY	PID (ppm)	
12		Dry, brown, medium sand with some gravel	12-14	100	<1.0	
13						
14						
15						
16						
17						
18		14-16	100	<1.0		
19						
20		16-18	100	<1.0		
21						
22	18-20	100	<1.0			
23						
24	20-22	100	<1.0			
25						
26	22-24	100	<1.0			
27						
Bottom of the boring at 24 ft						

Note: * Sample Submitted for laboratory analysis.

Boring Diameter: 2.0 inches

Boring Depth: 24 ft

Well Diameter: N/A

Screen Material: N/A

Screen Length: N/A

▼ - Indicates depth to groundwater during development.

Casing Length: N/A

Casing Material: N/A

Sampling Method: Geoprobe

Drill Method: Direct Push

Drilled By: Geobore, LLC

Geologist: Tad Spaulding

NM: Not Measured



ENVIRONMENTAL
SERVICES ASSOCIATES, LLC.

234 West Main Street
Carmel, Indiana 46032

Project Name: Former Wood Preserving Facility
Site Address: 3605 W. Farnsworth Street
City, State: Indianapolis, IN

BORING/WELL LOG: SB-7

Date: 8/22/13
Client: 2008 TLA, LLC

SUBSURFACE PROFILE			SAMPLE			Well Completion Details: N/A
DEPTH (ft)	SYMBOL	GEOLOGIC DESCRIPTION	SAMPLE INTERVAL	RECOVERY	PID (ppm)	
0		Ground Surface				<p>2" Diameter Sched 40 PVC Casing</p> <p>2-in Diameter, 0.010-in Slot Well Screen</p> <p>Bentonite</p> <p>Silica Quartz Sand Pack</p>
1		Dry, gray, silty clay	0-2*	100	<1.0	
2						
3			2-4	100	<1.0	
4						
5		Dry, brown, medium sand with some gravel	4-6	100	<1.0	
6						
7			6-8	100	<1.0	
8						
9			8-10	100	<1.0	
10						
11			10-12	100	<1.0	

Note: * Sample Submitted for laboratory analysis.

Boring Diameter: 2.0 inches

Boring Depth: 24 ft

Well Diameter: N/A

Screen Material: N/A

Screen Length: N/A

▼ - Indicates depth to groundwater during development.

Casing Length: N/A

Casing Material: N/A

Sampling Method: Geoprobe

Drill Method: Direct Push

Drilled By: Geobore, LLC

Geologist: Tad Spaulding

NM: Not Measured



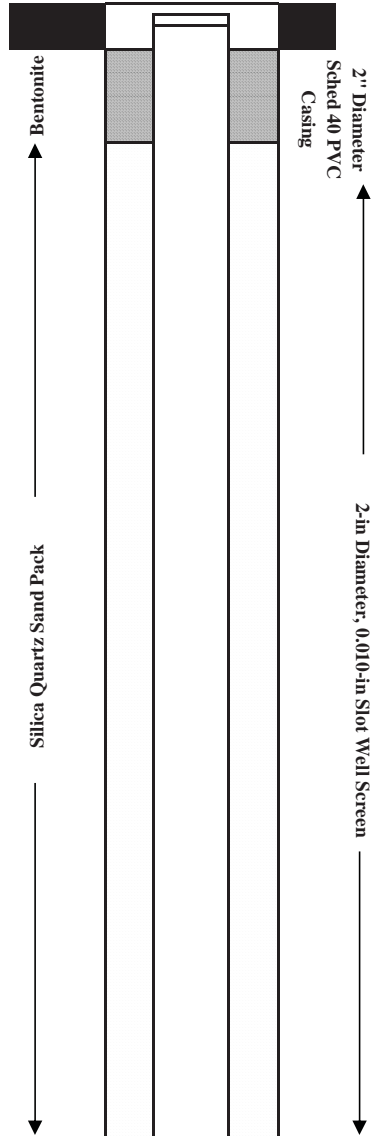
ENVIRONMENTAL
SERVICES ASSOCIATES, LLC.

234 West Main Street
Carmel, Indiana 46032

Project Name: Former Wood Preserving Facility
Site Address: 3605 W. Farnsworth Street
City, State: Indianapolis, IN

BORING/WELL LOG: SB-7

Date: 8/22/13
Client: 2008 TLA, LLC

SUBSURFACE PROFILE			SAMPLE			Well Completion Details: N/A
DEPTH (ft)	SYMBOL	GEOLOGIC DESCRIPTION	SAMPLE INTERVAL	RECOVERY	PID (ppm)	
12		Dry, brown, medium sand with some gravel	12-14	100	<1.0	
13						
14						
15						
16						
17		14-16	100	<1.0		
18		16-18	100	<1.0		
19		18-20	100	<1.0		
20		20-22	100	<1.0		
21		Becomes wet, brown, medium sand with some gravel	22-24	100	<1.0	
22						
23						
Bottom of the boring at 24 ft						

Note: * Sample Submitted for laboratory analysis.

Boring Diameter: 2.0 inches

Boring Depth: 24 ft

Well Diameter: N/A

Screen Material: N/A

Screen Length: N/A

▲ - Indicates depth to groundwater during development.

Casing Length: N/A

Casing Material: N/A

Sampling Method: Geoprobe

Drill Method: Direct Push

Drilled By: Geobore, LLC

Geologist: Tad Spaulding

NM: Not Measured



ENVIRONMENTAL
SERVICES ASSOCIATES, LLC.

234 West Main Street
Carmel, Indiana 46032

Project Name: Former Wood Preserving Facility
Site Address: 3605 W. Farnsworth Street
City, State: Indianapolis, IN

BORING/WELL LOG: SB-8

Date: 8/22/13
Client: 2008 TLA, LLC

SUBSURFACE PROFILE			SAMPLE			Well Completion Details: N/A
DEPTH (ft)	SYMBOL	GEOLOGIC DESCRIPTION	SAMPLE INTERVAL	RECOVERY	PID (ppm)	
0		Ground Surface				<p>2" Diameter Sched 40 PVC Casing</p> <p>2-in Diameter, 0.010-in Slot Well Screen</p> <p>Bentonite</p> <p>Silica Quartz Sand Pack</p>
1		Dry, gray, silty clay	0-2*	100	<1.0	
2						
3			2-4	100	<1.0	
4						
5		Dry, brown, medium sand with some gravel	4-6	100	<1.0	
6						
7			6-8	100	<1.0	
8						
9			8-10	100	<1.0	
10						
11			10-12	100	<1.0	

Note: * Sample Submitted for laboratory analysis.

Boring Diameter: 2.0 inches

Boring Depth: 24 ft

Well Diameter: N/A

Screen Material: N/A

Screen Length: N/A

▲ - Indicates depth to groundwater during development.

Casing Length: N/A

Casing Material: N/A

Sampling Method: Geoprobe

Drill Method: Direct Push

Drilled By: Geobore, LLC

Geologist: Tad Spaulding

NM: Not Measured




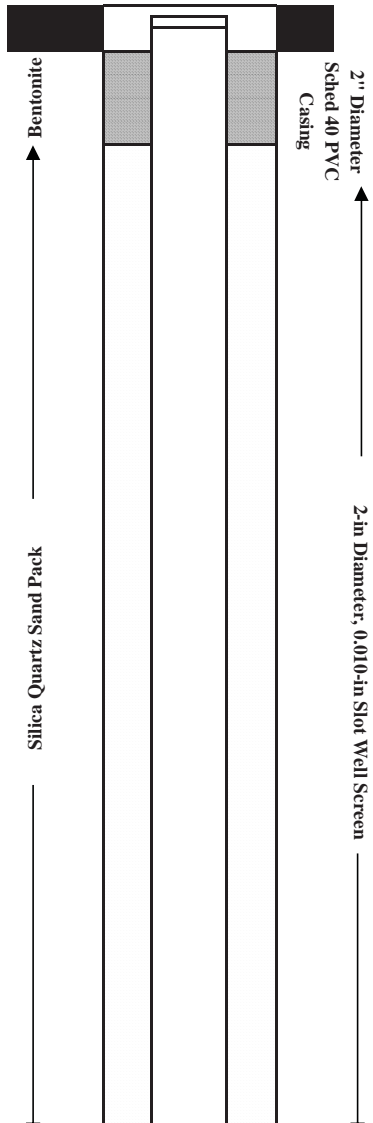
ENVIRONMENTAL
SERVICES ASSOCIATES, LLC.

234 West Main Street
Carmel, Indiana 46032

Project Name: Former Wood Preserving Facility
Site Address: 3605 W. Farnsworth Street
City, State: Indianapolis, IN

BORING/WELL LOG: SB-8

Date: 8/22/13
Client: 2008 TLA, LLC

SUBSURFACE PROFILE			SAMPLE			Well Completion Details: N/A
DEPTH (ft)	SYMBOL	GEOLOGIC DESCRIPTION	SAMPLE INTERVAL	RECOVERY	PID (ppm)	
12		Dry, brown, medium sand with some gravel	12-14	100	<1.0	
13						
14						
15						
16						
17		14-16	100	<1.0		
18		16-18	100	<1.0		
19		18-20	100	<1.0		
20		20-22	100	<1.0		
21		Becomes wet, brown, medium sand with some gravel	22-24	100	<1.0	
22						
23		Bottom of the boring at 24 ft				

Note: * Sample Submitted for laboratory analysis.

Boring Diameter: 2.0 inches

Boring Depth: 24 ft

Well Diameter: N/A

Screen Material: N/A

Screen Length: N/A

▲ - Indicates depth to groundwater during development.

Casing Length: N/A

Casing Material: N/A

Sampling Method: Geoprobe

Drill Method: Direct Push

Drilled By: Geobore, LLC

Geologist: Tad Spaulding

NM: Not Measured