



CUY-90-14.90

PID 77332/85531


APPENDIX EC-20

**ESA Phase I & II Addendum to EC-14, 15 & 16
(Contract Document)**

State of Ohio
Department of Transportation
Jolene M. Molitoris, Director

**Innerbelt Bridge
Construction Contract Group 1 (CCG1)**

Revision Date: July 30, 2009

 - Addendum No. 2 - New Appendix

PHASE I & II ADDENDUM

CLEVELAND INNERBELT STUDY CLEVELAND, OHIO

CUY-CLEVELAND INNERBELT CORRIDOR PID NO. 77510



Prepared for

The Ohio Department of Transportation
District 12
5500 Transportation Boulevard
Garfield Heights, Ohio 44125

July 30, 2009

URS

1375 Euclid Avenue
Cleveland, Ohio 44115
216-622-2400
Project No. 15016633



July 30, 2009

Mr. Mark Carpenter
The Ohio Department of Transportation
District 12
5500 Transportation Boulevard
Garfield Heights, Ohio 44125

RE: Phase I & II Addendum – Cleveland Innerbelt Project, Cleveland, Ohio

Dear Mr. Carpenter:

URS Corporation – Ohio (URS) is pleased to present this summary report of the completion of additional work for the above referenced project, as described in the ODOT Inter-Office Communication dated April 4, 2007. Due to ODOT plan changes, the investigations originally requested for the Former Teledyne Metal Finishing Property (Site #34) and the Norfolk South Railroad Property (Site #23) are no longer required. The additional work completed includes the following:

- PCB Wipe Sampling at Site #20, Earl Lee Property
- Regulated Materials Survey at Site#45, Harold Moss Property
- Groundwater Elevation Map for Site# 17, Terminal Oil and Site #19 Gillota Fuel Products

In addition, this report includes documentation of the abandonment of water monitoring wells installed as part of the 2007 Phase II Environmental Site Assessment. The wells were installed in order to determine the potential for encountering hazardous substances during the project.

Feel free to contact us with any questions at (216) 622-2400. Thank you for the opportunity to provide this service to the Ohio Department of Transportation.

Sincerely,

URS Corporation - Ohio

Seda Ergun
Project Manager

Jennifer Shepard
Environmental Scientist

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Appendix D	Site #45 Harold Moss Property – Regulated Materials Survey
Appendix E	Site#17 Terminal Oil & Site #19 Gillota Fuel Products – Groundwater Elevation Map

APPENDIX A

April 4, 2007 ODOT Inter-Office Communication



OHIO DEPARTMENT OF TRANSPORTATION INTER-OFFICE COMMUNICATION

Office of Environmental Services

TO: David Ray, Acting District 12 Deputy Director **DATE:** April 4, 2007
Attn: Thomas Sorge

FROM: *Juliet D. Services for*
Timothy M. Hill, Administrator, Office of Environmental Services

SUBJECT: Phase II Environmental Site Assessment

PROJECT: CUY – Cleveland Innerbelt Corridor **PID:** 77510

This office has evaluated the information provided for the Phase II Environmental Site Assessment (ESA) for the above referenced project which was prepared by URS.

Based on the information provided, we believe that no further environmental assessment or special material management is warranted for the TIG Products, Diamond Fabricating, Former Glove Cleaning Service/Scranton Averell, Wendell & Carroll Collins/1501 Companies, Cleveland Fire Station, CB Realty, Temp Craft Plastics, Cleveland Fire Academy, and Charles Martin Property.

Based on the past long-term industrial use in this project area and multiple property takes, further investigations should be performed. Consultants should get access to the buildings of the following six (6) sites to test transformers for PCB and other potential concerns found within the building and give recommendations on further Phase II ESAs; to assist with waste issues, OES should be given the results of these surveys/inspections:

- Earl Lee
- Bojacks Meats
- State Industrial Products
- Former Teledyne Metal Finishing
- Meridian Properties/Independent Towel
- Harold Moss (Trustee)

Terminal Oil & Gillota Fuel Products (as one site due to same business owner) properties should have a potentiometric map generated for all monitoring wells within the location.

The NS Railroad property should have a Toxicity Characteristic Leaching Procedure (TCLP) performed for lead in the location of the proposed pier.

State Industrial Products and the Former Teledyne Metal Finishing need to complete a RCRA Closure prior to or as part of the acquisition of the properties. The District should coordinate with the Office of Real Estate to ensure the owners comply with this by securing part of purchase price until approved by OEPA.

Based on the information provided, we believe that Plan Notes are warranted for this project. The following table indicates the sites and various plan notes that should be developed:

	Plan Note for Petroleum Contaminated Soil (PCS)	Plan Note for Contaminated Ground Water (GW)	Plan Note for Underground Storage Tank (UST)	Plan Note for Semi-Volatile Organic Compounds (SVOCs)
Former Bauer Auto	X	X		
Earl Lee	X	X		
Nova Properties	X	X		
NS Railroad Building	X			
BP Gas Station	X	X	X	
Bojacks Meats		X		
State Industrial Products		X		
Former Teledyne Metal Finishing		X		
Meridian Properties/Independent Towel		X	X	
Parking Lot at the Central Viaduct (formerly associated with N&W Railroad)		X	X	
White Properties			X	
KNC Building			X	
Harold Moss (Trustee)			X	
Leon Rudnick			X	
James Vincent Property				X

If you have any questions or concerns, please contact Craig Kerscher, Environmental Specialist, at (614) 752-2175.

TMH:ctk

cc: Mark Carpenter, D-12
 Larry Hoffman
 File w/attachment
 Reading file

APPENDIX B

Well Abandonment Documentation

Date: July 30, 2009

To: Mark Carpenter

From: Seda Ergun

Subject: **Cleveland Innerbelt Project
Well Abandonment**

This memorandum was completed in association with the Phase II Environmental Site Assessment (ESA) report being conducted as part of the ODOT Cleveland Innerbelt Project. The memorandum addresses the monitoring well abandonment for the above referenced project. During the completion of the Phase II ESA, sixty five groundwater monitoring wells were installed on 22 sites. The wells were installed in order to determine the potential for encountering hazardous substances during the project.

Sixty-one monitoring wells were abandoned from June 1 through June 16, 2009 by H.A.D. Drilling Contractors of Rittman, Ohio. The remaining four wells were unable to be located and are assumed to be destroyed through construction or paving activities. Michael J. Shuler, Jr. and Jennifer Shepard, of URS, oversaw the abandonment activities and provided the oversight and documentation. For purposes of documentation, photographs were taken of each well prior to and after the abandonment. The photographs are included as **Attachment A**.

In general, each well was abandoned in the following manner: Each concrete pad was broken up and the protective casing was removed. The two inch polyvinyl chloride (PVC) well piping was completely removed or cut-off at a minimum of 2 feet below ground surface. The hole was filled with grout and/or bentonite chips. The monitoring wells were then patched with concrete, asphalt, gravel, or topsoil, depending on the surrounding area. The monitoring wells were observed to range from approximately 10 to 30 feet deep. The well abandonment data is included in **Table 1**. Ohio Department of Natural Resources (ODNR) Well Sealing Reports are included as **Attachment B**.

Tables

Table 1 Well Abandonment Data

Attachments

A Photo Log
B ODNR Water Well Sealing Reports

Table 1
Well Decommissioning Data
Cleveland Innerbelt Project
Cleveland, Ohio

Site Number	Well ID	Date	Depth (ft)	PVC Removed (ft)	Depth after PVC Removed (ft)	Grout (Y/N)	Bentonite (Y/N)	Patch Material
13	MW02	6/4/2009	24	4	24	Y	Y	Onsite Soil/Gravel
14	MW01	6/3/2009	30	15	28	Y	N	Asphalt Patch
	MW02	6/3/2009			Destroyed/Not Located			
	MW03	6/3/2009	18	18	5	N	Y	Onsite Soil/Gravel
16	MW01	6/3/2009	30	10	30	Y	N	Asphalt Patch
17	MW02	6/16/2009	30	8	30	Y	Y	Asphalt Patch
	MW03	6/16/2009	19	10	15	Y	N	Asphalt Patch
	MW04	6/16/2009	19	8	13	Y	Y	Concrete
18	MW01	6/16/2009	20	10	9	Y	N	Asphalt Patch
	MW02	6/16/2009	30	5	30	Y	Y	Asphalt Patch
19	MW01	6/16/2009	36	5	35	Y	Y	Asphalt Patch
20	MW01	6/15/2009			Destroyed/Not Located			
	MW02	6/15/2009	23	23	12	Y	N	Onsite Soil/Gravel
	MW03	6/15/2009	23	3	17	Y	N	Onsite Soil/Gravel
	MW04	6/15/2009			Destroyed/Not Located			
21	MW01	6/3/2009	13	13	4	N	Y	Asphalt Patch
	MW02	6/3/2009	17	17	4	N	Y	Asphalt Patch
	MW03	6/3/2009	10	10	4	N	Y	Asphalt Patch
22	MW02	6/3/2009	9	9	3.5	N	Y	Onsite Soil/Gravel
	MW03	6/3/2009	14	14	5	N	Y	Onsite Soil/Gravel
	MW04	6/3/2009	13	13	6	N	Y	Onsite Soil/Gravel
	MW05	6/3/2009	10	10	3	N	Y	Onsite Soil/Gravel
23	MW01	6/1/2009	19	5	17	Y	N	Onsite Soil/Gravel
	MW02	6/1/2009	20	15	5	Y	N	Onsite Soil/Gravel
	MW03	6/1/2009	25	10	10	Y	N	Onsite Soil/Gravel
	MW04	6/2/2009	18	15	5	Y	N	Onsite Soil/Gravel
24	MW01	6/2/2009	15	15	5	Y	Y	Asphalt Patch
	MW02	6/2/2009	28	8	28	Y	N	Asphalt Patch
	MW03	6/2/2009	16	7	16	Y	N	Asphalt Patch
27	MW01	6/2/2009	25	8	20	Y	N	Asphalt Patch
	MW02	6/2/2009			Destroyed/Not Located			
	MW03	6/2/2009	18	8	17	Y	N	Asphalt Patch
	MW04	6/2/2009	16	7	11	Y	N	Asphalt Patch

Table 1
Well Decommissioning Data
Cleveland Innerbelt Project
Cleveland, Ohio

Site Number	Well ID	Date	Depth (ft)	PVC Removed (ft)	Depth after PVC Removed (ft)	Grout (Y/N)	Bentonite (Y/N)	Patch Material
33	MW01	6/11/2009	17	17	6	N	Y	Asphalt Patch
	MW02	6/11/2009	23	4	23	Y	N	Asphalt Patch
	MW03	6/11/2009	20	20	16	Y	N	Asphalt Patch
	MW04	6/11/2009	15	15	7	N	Y	Asphalt Patch
	MW05	6/11/2009	15	15	6	N	Y	Asphalt Patch
	MW06	6/11/2009	20	20	11	Y	N	Asphalt Patch
	MW07	6/11/2009	23	23	11	Y	N	Topsoil/Grass Seed
	MW08	6/11/2009	16	16	6	Y	N	Topsoil/Grass Seed
34	MW01	6/9/2009	18.5	18.5	7	Y	Y	Asphalt Patch
	MW02	6/9/2009	17	17	10	Y	N	Asphalt Patch
	MW03	6/9/2009	18	10	11	Y	N	Asphalt Patch
42	MW01	6/10/2009	17	17	8	Y	N	Asphalt Patch
	MW02	6/10/2009	17	17	9	Y	N	Asphalt Patch
	MW03	6/10/2009	18	18	6	N	Y	Topsoil/Grass Seed
43	MW01	6/10/2009	20	10	12	Y	N	Asphalt Patch
	MW02	6/10/2009	18	8	12	Y	N	Asphalt Patch
	MW03	6/10/2009	18.5	8	11	Y	N	Asphalt Patch
45	MW01	6/8/2009	23	15	11	Y	N	Asphalt Patch
	MW02	6/9/2009	18	10	14	Y	N	Asphalt Patch
	MW03	6/9/2009	20	11	11	Y	N	Asphalt Patch
51	MW01	6/15/2009	20	20	12	Y	Y	Topsoil/Grass Seed
	MW02	6/15/2009	20	20	10	Y	Y	Topsoil/Grass Seed
	MW03	6/15/2009	28	28	9	Y	Y	Topsoil/Grass Seed
	MW04	6/15/2009	19	19	13	Y	Y	Topsoil/Grass Seed
53	MW01	6/4/2009	20	20	11	Y	Y	Topsoil/Grass Seed
	MW02	6/4/2009	21	10	12	Y	Y	Topsoil/Grass Seed
	MW03	6/8/2009	20	11	11	Y	N	Topsoil/Grass Seed
	MW04	6/8/2009	17	17	10	Y	N	Concrete
57	MW01	6/4/2009	30	10	30	Y	Y	Asphalt Patch
	MW02	6/4/2009	28	5	28	Y	N	Onsite Soil/Gravel
	MW03	6/4/2009	27	7	27	Y	N	Asphalt Patch
59	MW03	6/16/2009	28	8	26	Y	Y	Asphalt Patch

ATTACHMENT A

Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 1

Date:
6/4/09

Description:
13-MW02



Photo No. 2

Date:
6/4/09

Description:
13-MW02



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 3

Date:
6/3/09

Description:

14-MW01

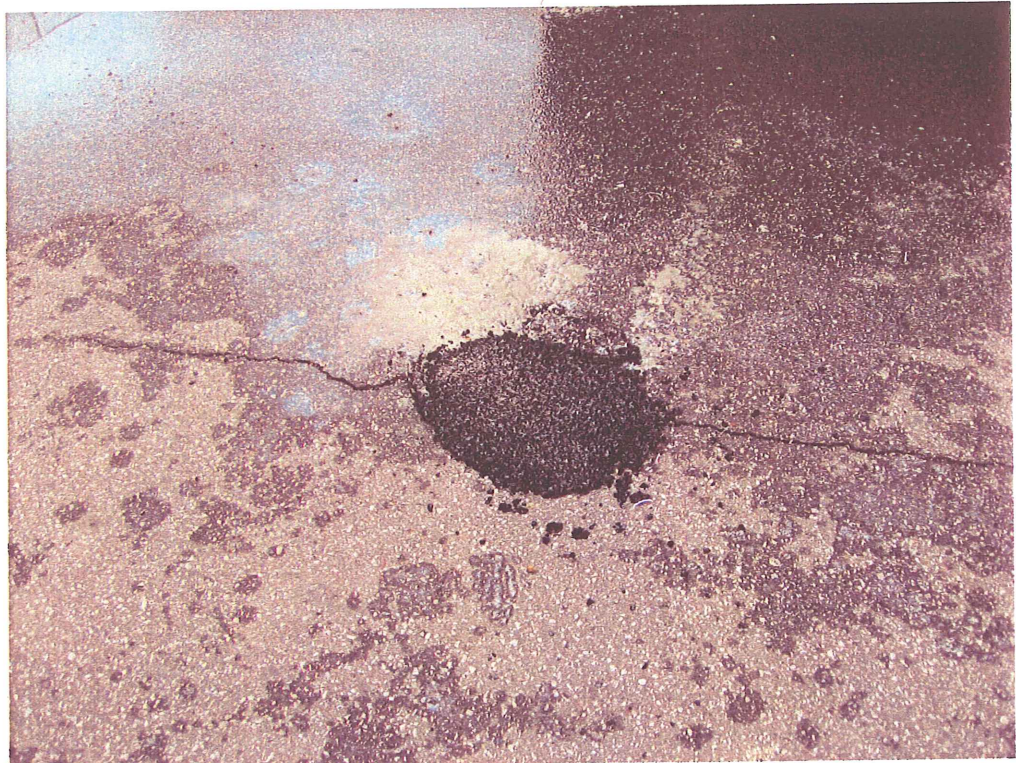


Photo No. 4

Date:
6/3/09

Description:

14-MW01



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 5

Date:
6/3/09

Description:

16-MW01



Photo No. 6

Date:
6/16/09

Description:

17-MW02



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 7

Date:
6/16/09

Description:

17-MW02



Photo No. 8

Date:
6/16/09

Description:

17-MW03



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 9

Date:
6/16/09

Description:

17-MW03



Photo No. 10

Date:
6/16/09

Description:

17-MW04



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 11

Date:
6/16/09

Description:

17-MW04

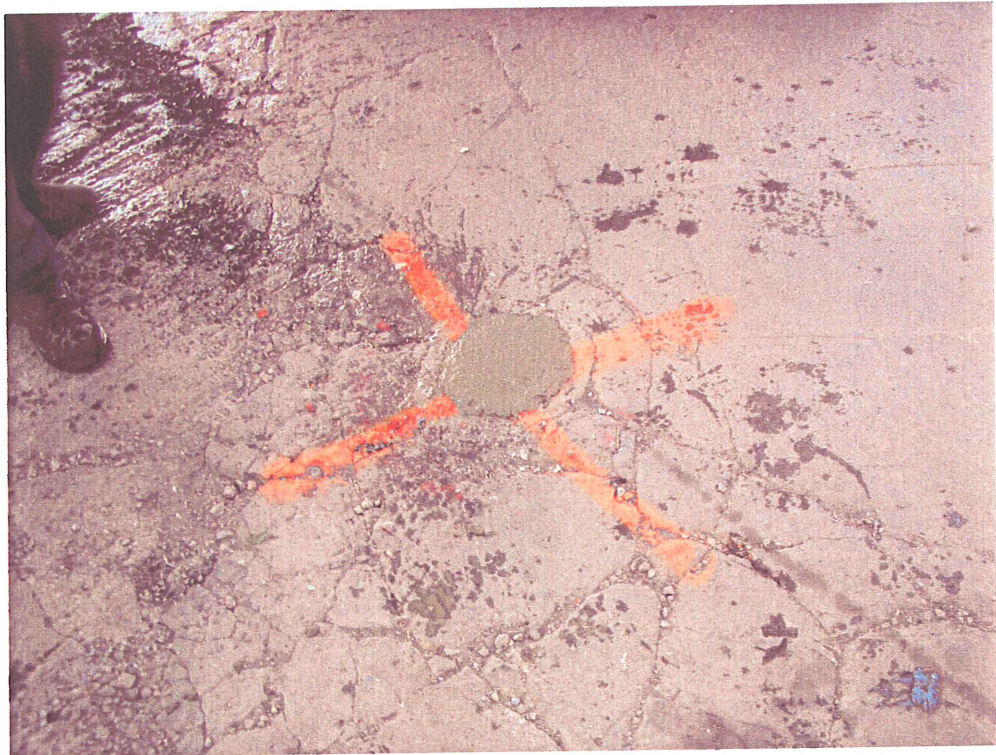
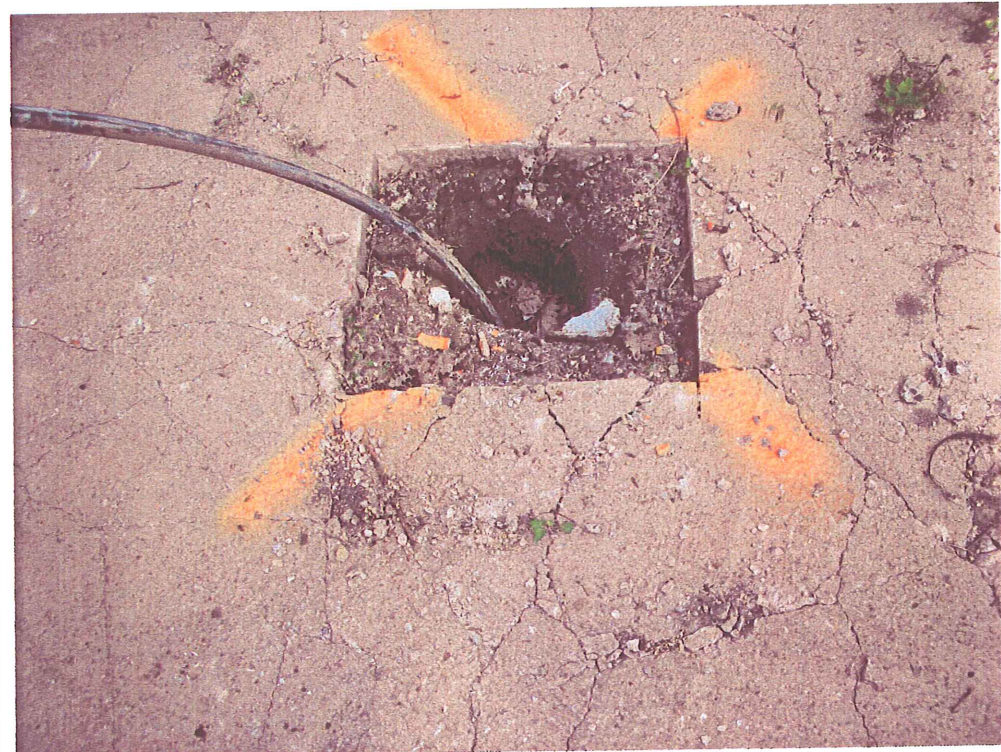


Photo No. 12

Date:
6/16/09

Description:

18-MW01



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 13

Date:
6/16/09

Description:

18-MW01

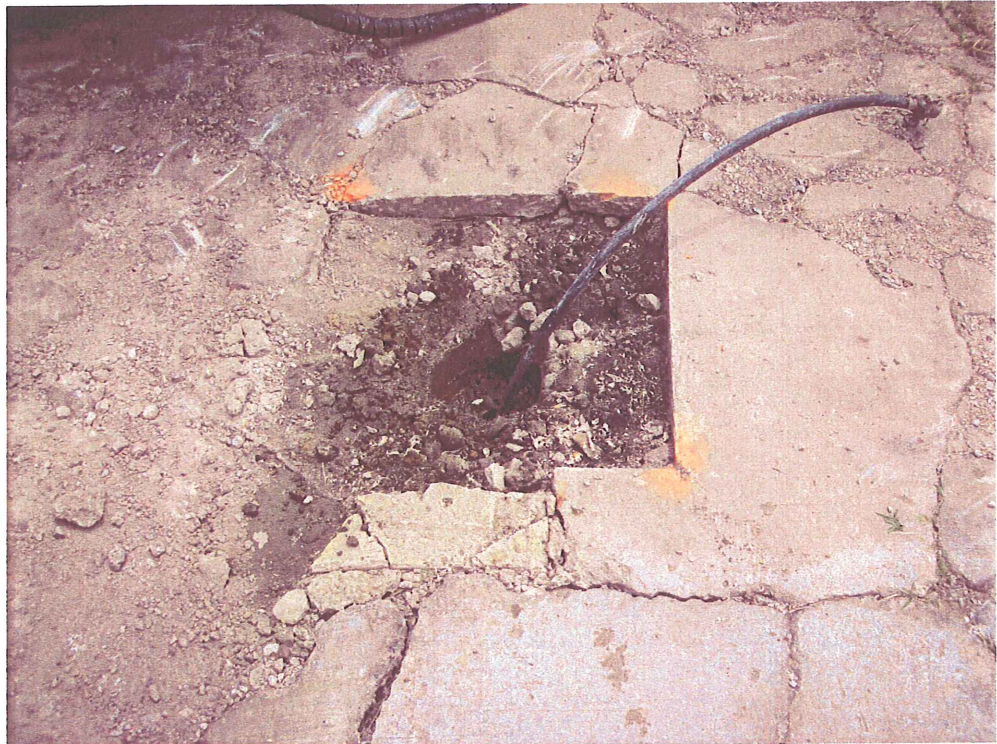


Photo No. 14

Date:
6/16/09

Description:

18-MW02



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 15

Date:
6/16/09

Description:

18-MW02



Photo No. 16

Date:
6/16/09

Description:

19-MW01



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 17

Date:
6/15/09

Description:

20-MW02



Photo No. 18

Date:
6/15/09

Description:

20-MW02



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 19

Date:
6/15/09

Description:

20-MW03



Photo No. 20

Date:
6/15/09

Description:

20-MW03



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 21

Date:
6/3/09

Description:

21-MW01



Photo No. 22

Date:
6/3/09

Description:

21-MW01



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 23

Date:
6/3/09

Description:

21-MW02



Photo No. 24

Date:
6/3/09

Description:

21-MW03



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 25

Date:
6/3/09

Description:

22-MW03



Photo No. 26

Date:
6/3/09

Description:

22-MW03



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 27

Date:
6/3/09

Description:

22-MW04



Photo No. 28

Date:
6/3/09

Description:

22-MW04



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 29

Date:
6/3/09

Description:

22-MW05



Photo No. 30

Date:
6/3/09

Description:

22-MW05



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 31

Date:
6/1/09

Description:

23-MW01



Photo No. 32

Date:
6/1/09

Description:

23-MW01



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 33

Date:
6/1/09

Description:

23-MW02

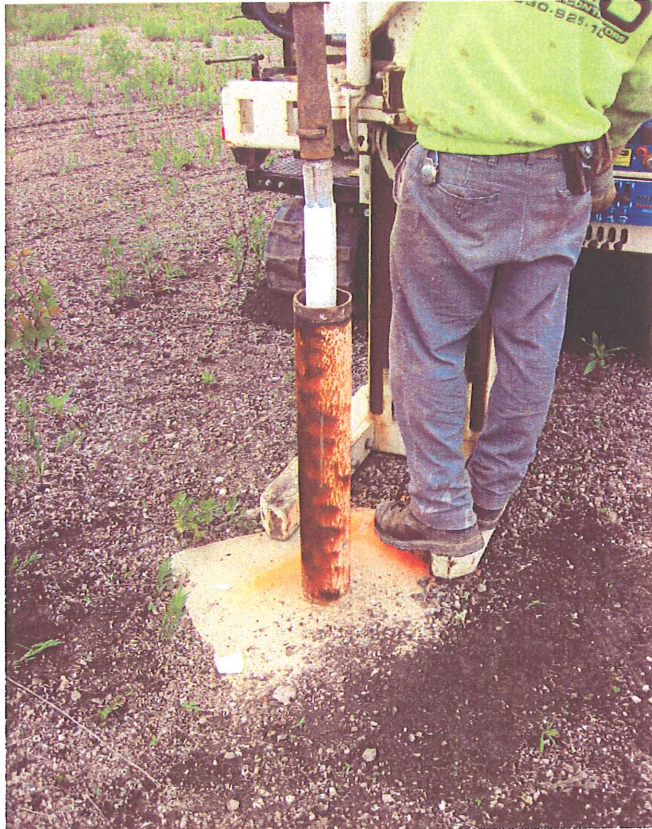


Photo No. 34

Date:
6/1/09

Description:

23-MW02



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 35

Date:
6/1/09

Description:

23-MW03



Photo No. 36

Date:
6/1/09

Description:

23-MW03



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 37

Date:
6/2/09

Description:

23-MW04



Photo No. 38

Date:
6/2/09

Description:

23-MW04



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 39

Date:
6/2/09

Description:

24-MW01



Photo No. 40

Date:
6/2/09

Description:

24-MW01



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 41

Date:
6/2/09

Description:

24-MW02



Photo No. 42

Date:
6/2/09

Description:

24-MW02



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 43

Date:
6/2/09

Description:

24-MW03



Photo No. 44

Date:
6/2/09

Description:

24-MW03



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 45

Date:
6/2/09

Description:

27-MW01

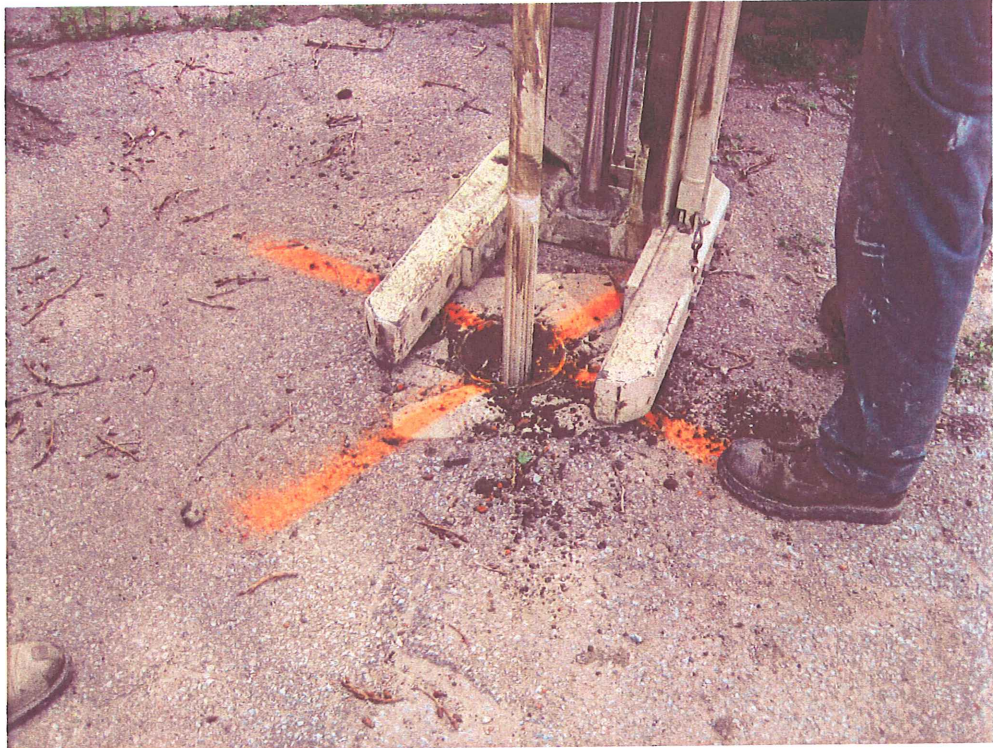


Photo No. 46

Date:
6/2/09

Description:

27-MW01



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 47

Date:
6/2/09

Description:

27-MW03



Photo No. 48

Date:
6/2/09

Description:

27-MW03



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 49

Date:
6/2/09

Description:
27-MW04

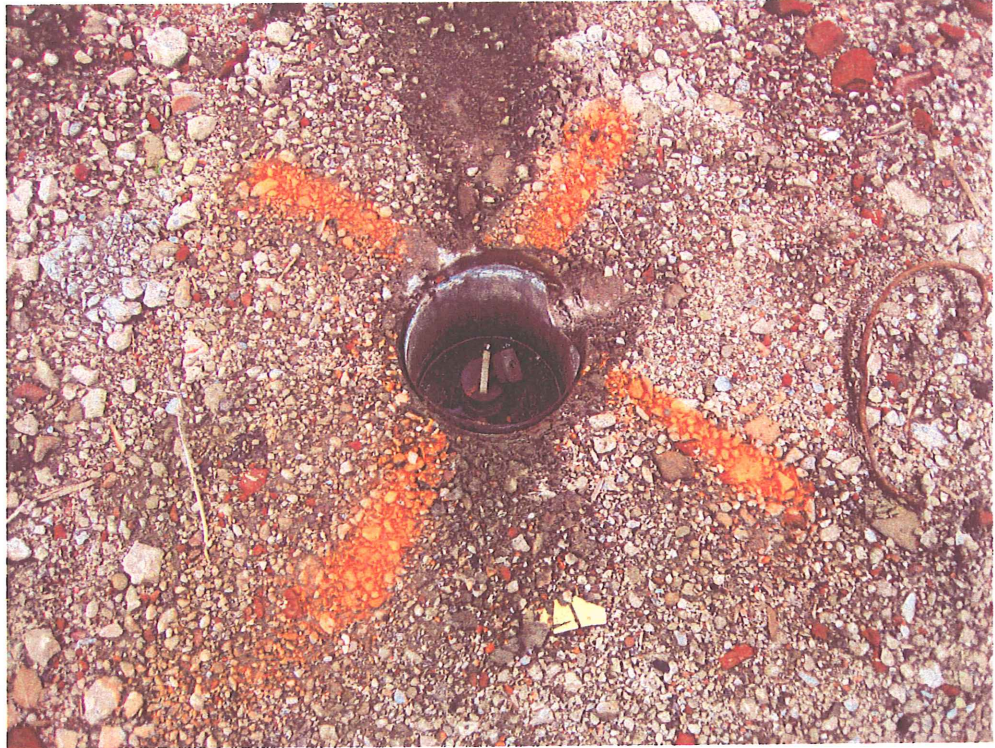


Photo No. 50

Date:
6/2/09

Description:
27-MW04



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 51

Date:
6/11/09

Description:

33-MW01

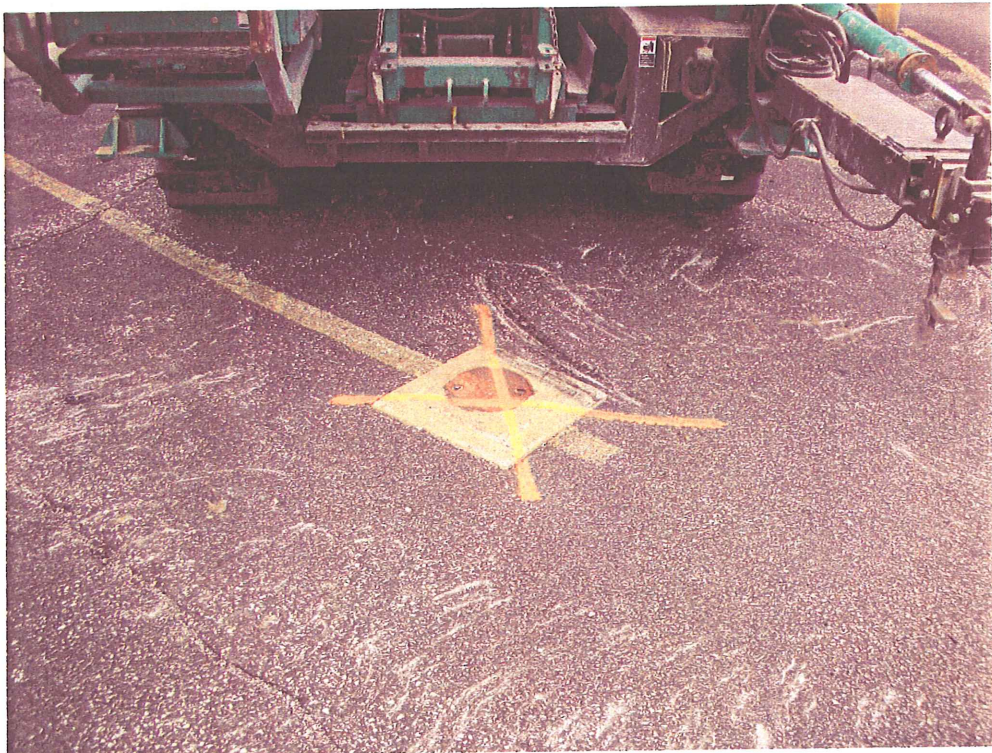


Photo No. 52

Date:
6/11/09

Description:

33-MW01



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 53

Date:
6/11/09

Description:

33-MW02



Photo No. 54

Date:
6/11/09

Description:

33-MW02



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 55

Date:
6/11/09

Description:

33-MW03



Photo No. 56

Date:
6/11/09

Description:

33-MW03



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 57

Date:
6/11/09

Description:

33-MW04

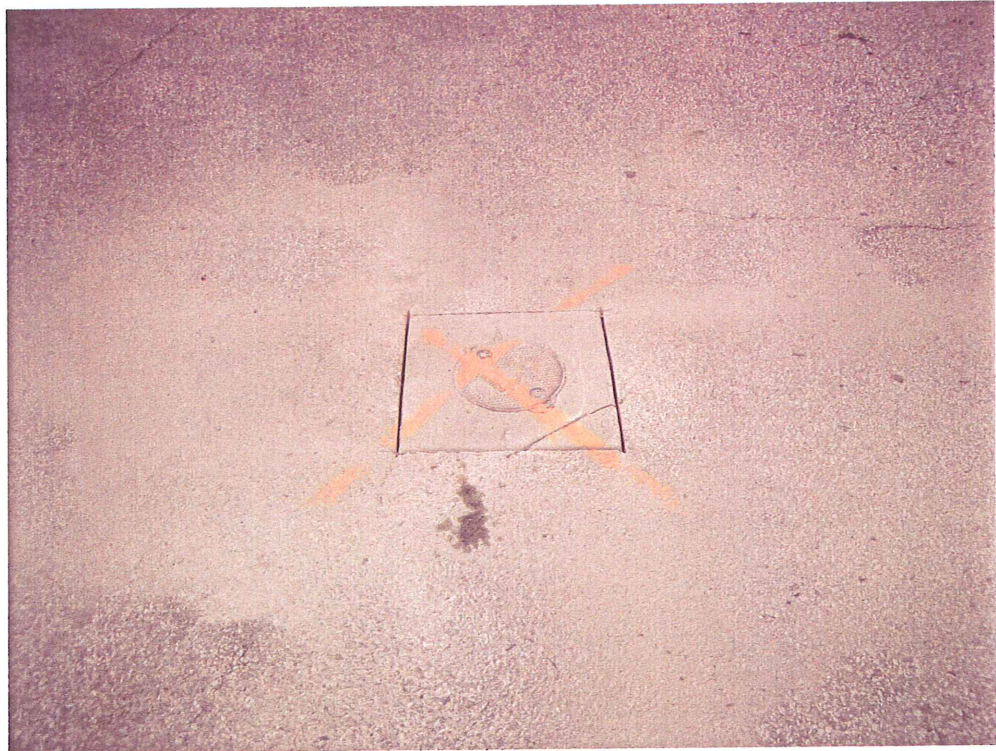
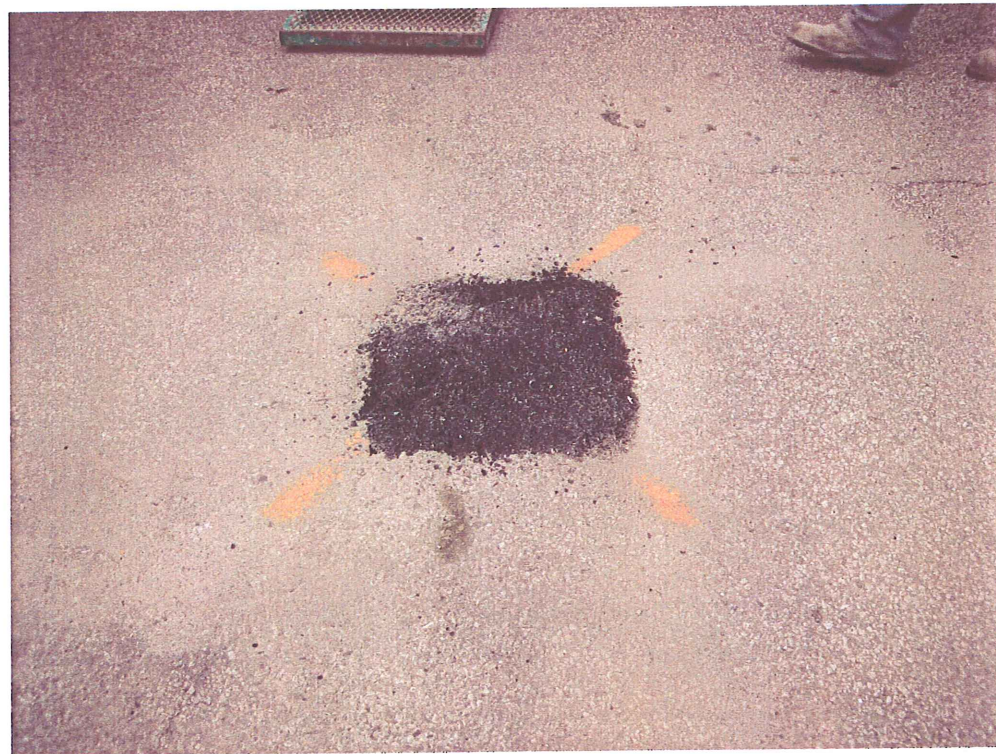


Photo No. 58

Date:
6/11/09

Description:

33-MW04



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 59

Date:
6/11/09

Description:

33-MW05



Photo No. 60

Date:
6/11/09

Description:

33-MW05



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 61

Date:
6/11/09

Description:

33-MW06



Photo No. 62

Date:
6/11/09

Description:

33-MW06



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 63

Date:
6/11/09

Description:

33-MW06



Photo No. 64

Date:
6/11/09

Description:

33-MW07



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 65

Date:
6/11/09

Description:

33-MW08



Photo No. 66

Date:
6/11/09

Description:

33-MW08



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 67

Date:
6/9/2009

Description:

34-MW01

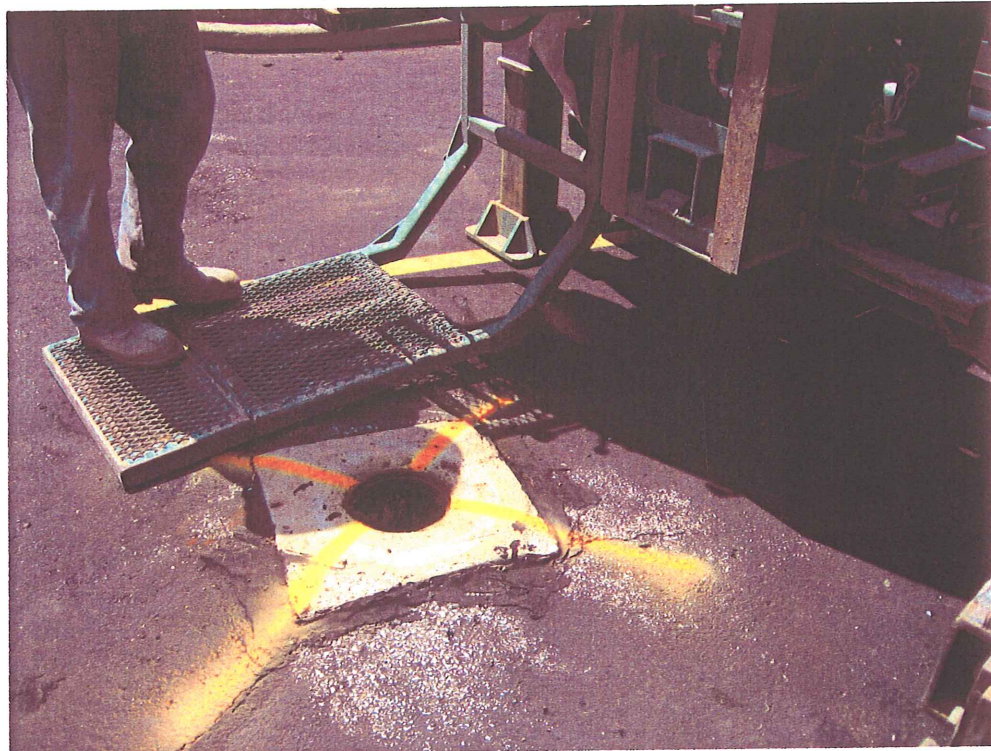


Photo No. 68

Date:
6/9/2009

Description:

34-MW01



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 69

Date:
6/9/2009

Description:

34-MW02



Photo No. 70

Date:
6/9/2009

Description:

34-MW02



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 71

Date:
6/9/2009

Description:

34-MW03

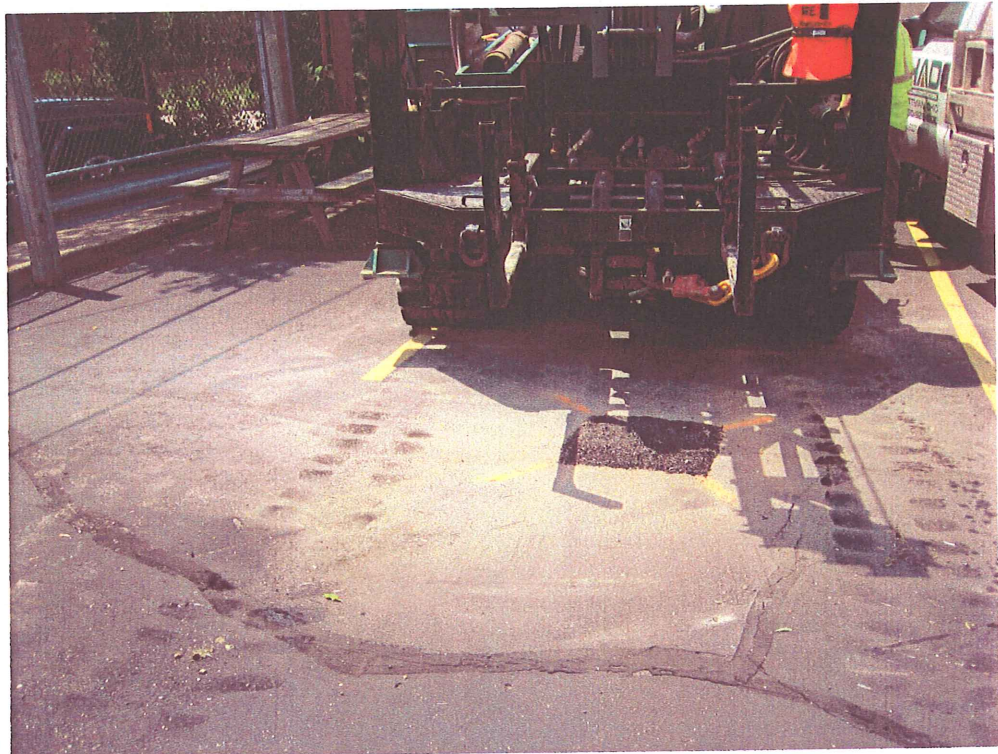


Photo No. 72

Date:
6/9/2009

Description:

34-MW03



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 73

Date:
6/10/09

Description:

42-MW01



Photo No. 74

Date:
6/10/09

Description:

42-MW01



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 75

Date:
6/10/09

Description:

42-MW02



Photo No. 76

Date:
6/10/09

Description:

42-MW02



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 77

Date:
6/10/09

Description:

42-MW03



Photo No. 78

Date:
6/10/09

Description:

42-MW03



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 79

Date:
6/10/09

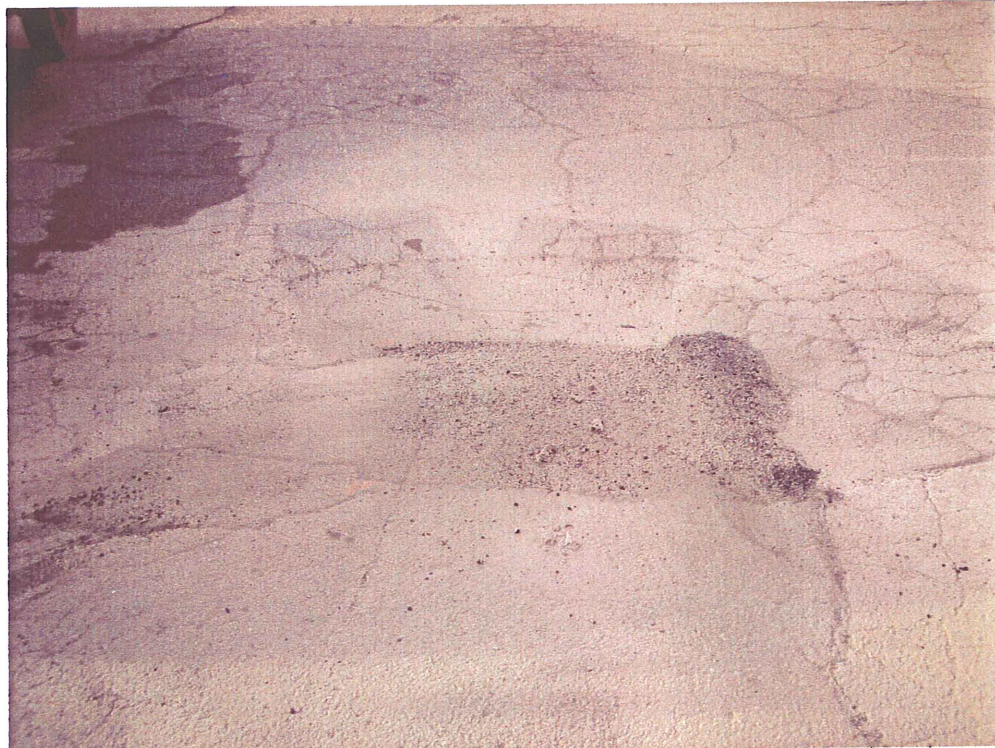
Description:
43-MW01



Photo No. 80

Date:
6/10/09

Description:
43-MW01



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 81

Date:
6/10/09

Description:

43-MW02

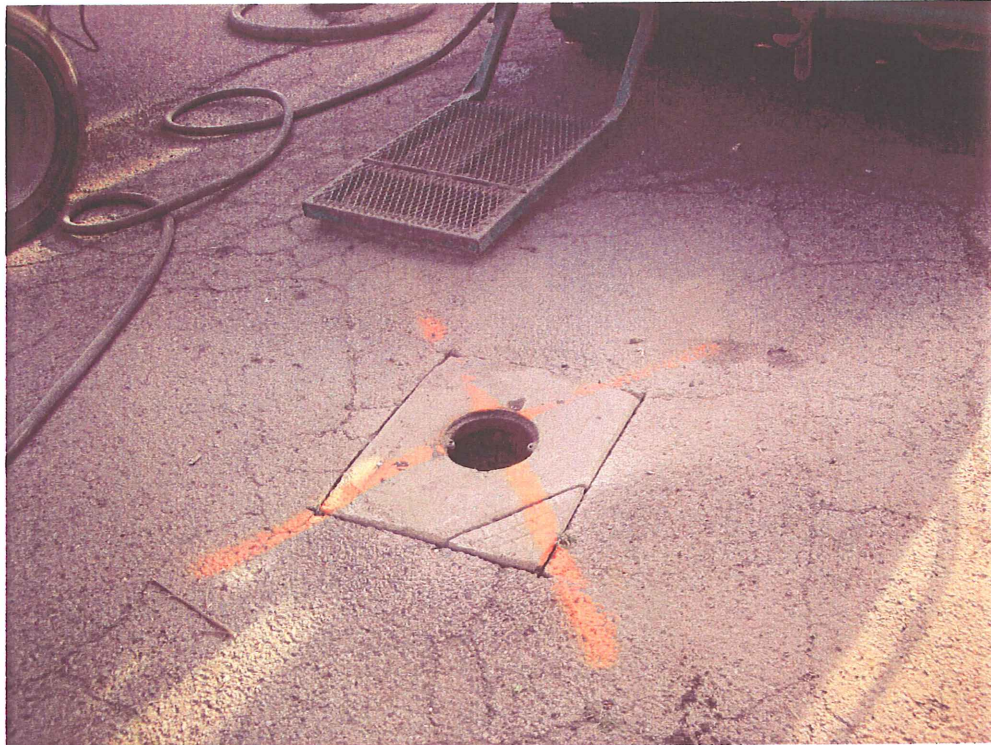


Photo No. 82

Date:
6/10/09

Description:

43-MW02



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 83

Date:
6/10/09

Description:

43-MW03



Photo No. 84

Date:
6/10/09

Description:

43-MW03



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 85

Date:
6/8/09

Description:

45-MW01



Photo No. 86

Date:
6/8/09

Description:

45-MW01



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 87

Date:
6/9/09

Description:

45-MW02



Photo No. 88

Date:
6/9/09

Description:

45-MW02



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 89

Date:
6/9/09

Description:

45-MW03



Photo No. 90

Date:
6/9/09

Description:

45-MW03



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 91

Date:
6/15/09

Description:

51-MW01



Photo No. 92

Date:
6/15/09

Description:

51-MW01



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 93

Date:
6/15/09

Description:

51-MW02



Photo No. 94

Date:
6/15/09

Description:

51-MW02



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 95

Date:
6/15/09

Description:

51-MW03

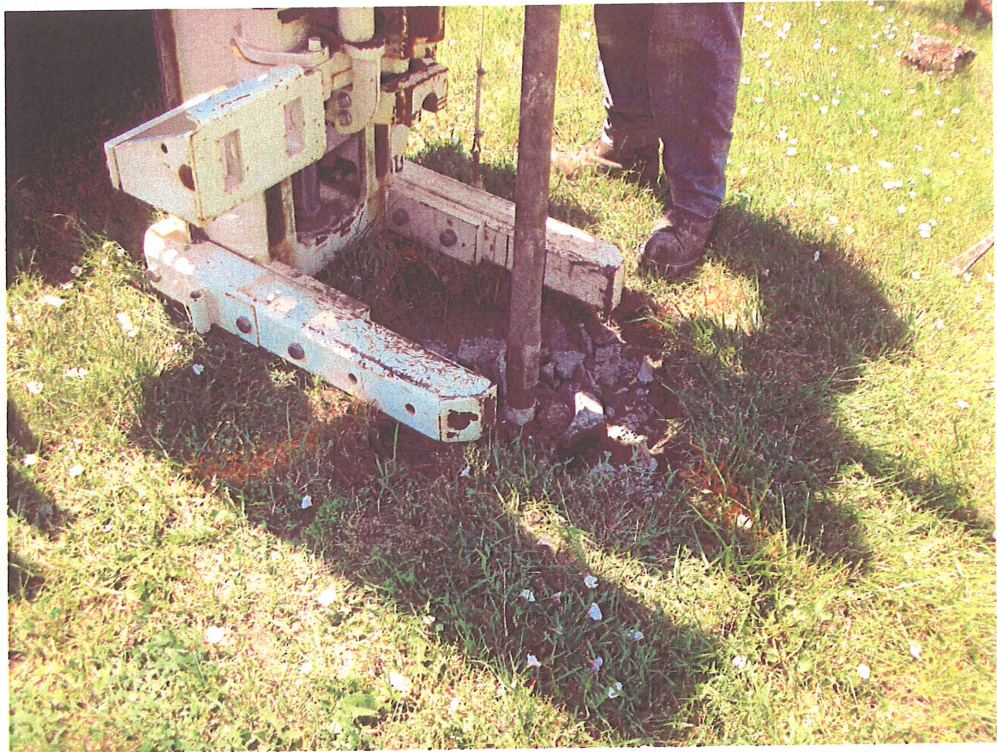


Photo No. 96

Date:
6/15/09

Description:

51-MW03



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 97

Date:
6/15/09

Description:

51-MW04



Photo No. 98

Date:
6/15/09

Description:

51-MW04



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 99

Date:
6/4/09

Description:

53-MW01



Photo No. 100

Date:
6/4/09

Description:

53-MW01



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 101

Date:
6/4/09

Description:

53-MW02



Photo No. 102

Date:
6/4/09

Description:

53-MW02



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 103 **Date:**
6/8/09

Description:
53-MW03



Photo No. 104 **Date:**
6/8/09

Description:
53-MW03



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 105

Date:
6/8/09

Description:

53-MW04

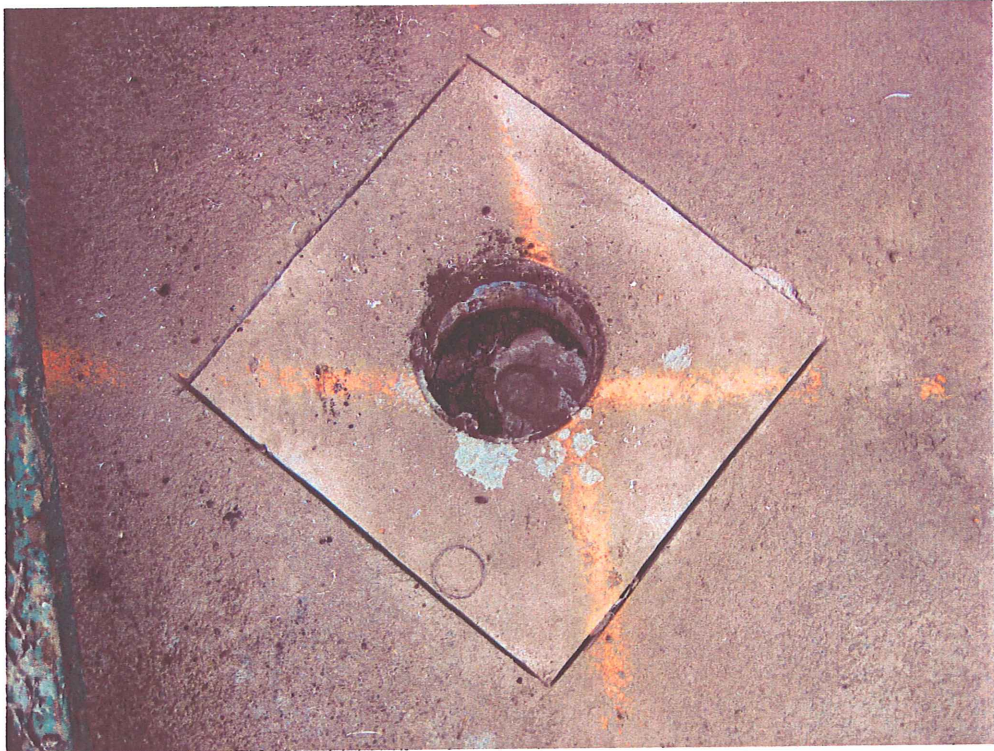


Photo No. 106

Date:
6/8/09

Description:

53-MW04



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 107

Date:
6/4/09

Description:

57-MW01



Photo No. 108

Date:
6/4/09

Description:

57-MW01



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 109

Date:
6/4/09

Description:

57-MW02

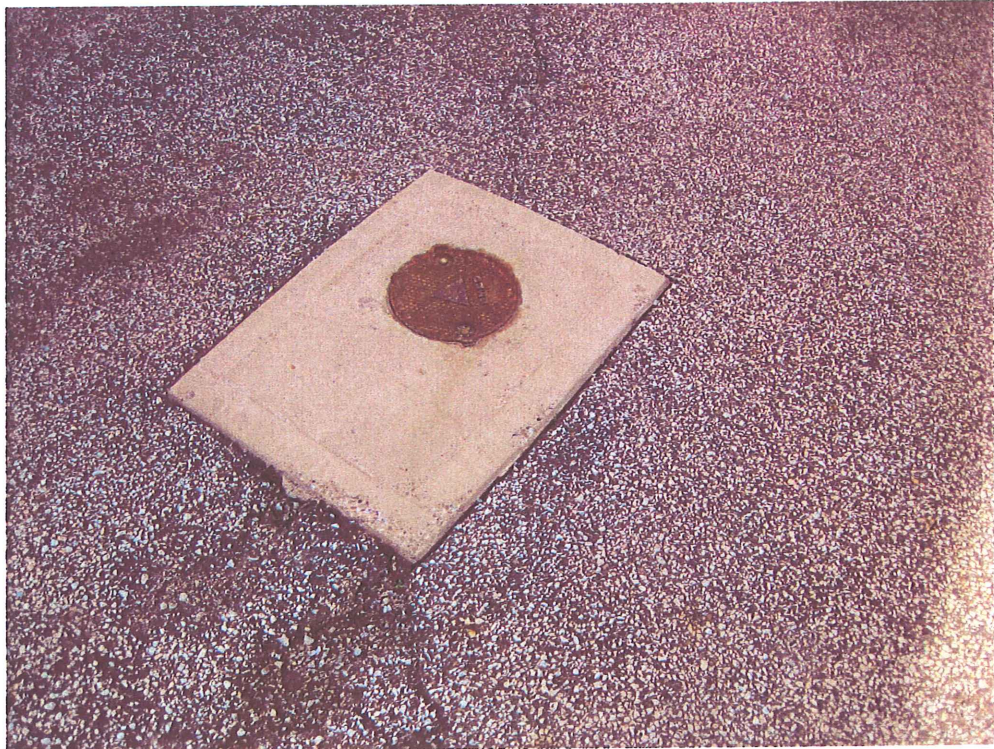


Photo No. 110

Date:
6/4/09

Description:

57-MW02



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 111

Date:
6/4/09

Description:

57-MW03

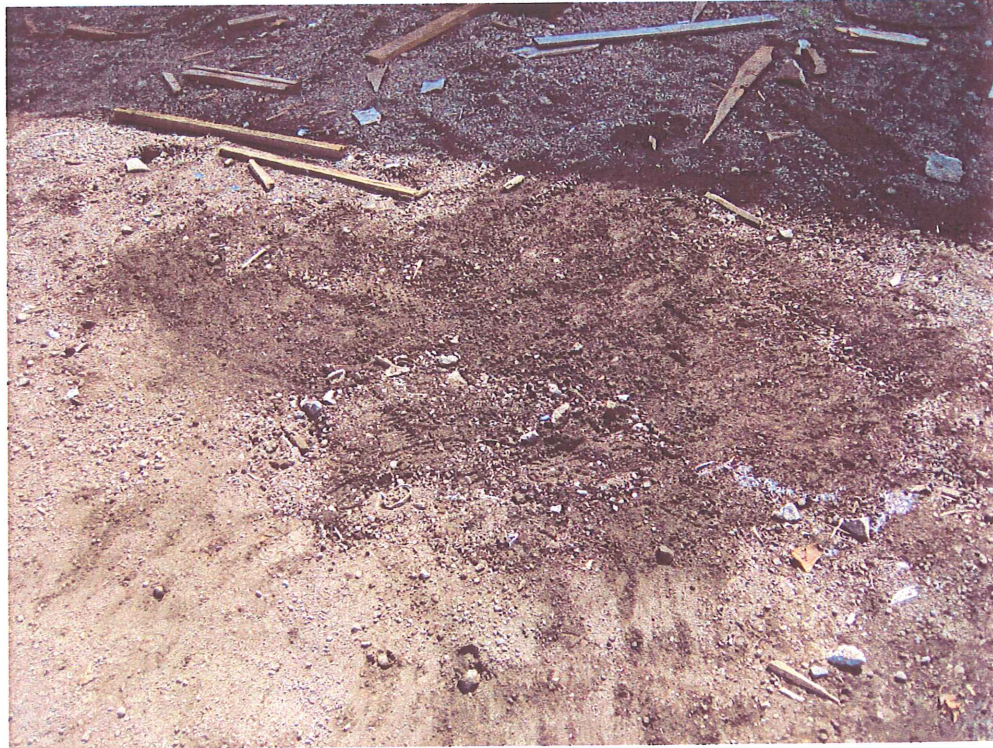


Photo No. 112

Date:
6/4/09

Description:

57-MW03



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, OH

Project No.
15016633

Photo No. 113

Date:
6/16/09

Description:

59-MW03



Photo No. 114

Date:
6/16/09

Description:

59-MW03



ATTACHMENT B

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0180027

LOCATION

SITE #13 MW02

County CUYAHOGA Township CLEVELAND Section/Lot Number FORMER GLOVE CLEANING SERVICE/SCRANTON
Owner/Builder
Circle One or Both

Address of Well Location 2132 WEST 15TH STREET
Number Street Name

City CLEVELAND Zip Code 44113

Property Location Description
miles of nearest intersection
on the side of road name

Location of Well in either: State Plane OR Latitude/Longitude
Latitude 41.48302 Longitude 81.69303

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other

ORIGINAL WELL ODNR Well Log Number 2004519 Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS

Date of measurements 6/04/2009

Depth of Well 24' Static Water Level 20'
Size of Casing 2" Length of casing
Well Condition Good

SEALING PROCEDURE

Method of Placement Tremmie Grout
Placement: From 24' To 1' Sealing Material Grout DF Volume 10 Gallons

Was Casing Removed? Yes or No (circle one)

Condition of Casing Good

Perforations: From To

Date Sealing Performed 6/04/2009

Reason(s) for Sealing No Longer Needed

CONTRACTOR

Name H.A.D., Inc. ODH Registration #
Address 9797 Benner Road
City/State/Zip Rittman, Ohio 44270

Signature
I hereby certify the information given is accurate and correct to the best of my knowledge.

WELL LOG AND DRILLING REPORT

Well Log Number

2004519

DNR 7802.05e

Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

Page 1 of 1 for this record.

WELL LOCATION	CONSTRUCTION DETAILS																																																							
County <u>CUYAHOGA</u> Township <u>CLEVELAND</u>	Drilling Method: <u>AUGER</u>																																																							
<u>FORMER GLOVE</u> <u>CLEANING SERVICE / SCRANTON</u> Owner/Builder	BOREHOLE/CASING (Measured from ground surface)																																																							
<u>2132 W ST 15TH</u> Address of Well Location	1 { Borehole Diameter <u>8.25</u> inches Depth <u>24</u> ft. Casing Diameter <u>2</u> in. Length <u>14</u> ft. Thickness <u>0.154</u> in.																																																							
City <u>CLEVELAND</u> Zip Code +4 <u>44113</u>	2 { Borehole Diameter _____ inches Depth _____ ft. Casing Diameter _____ in. Length _____ ft. Thickness _____ in.																																																							
Permit No. _____ Section; _____ and/or Lot No. _____	Casing Height Above Ground _____ ft.																																																							
Use of Well <u>MONITOR</u>	Type { 1: <u>PVC</u> 2: _____																																																							
Coordinates of Well (Use only one of the below coordinate systems)	Joints { 1: <u>Threaded</u> 2: _____																																																							
<u>State Plane Coordinates</u>	SCREEN																																																							
N <input type="checkbox"/> X _____ +/- _____ ft.	Diameter <u>2</u> in. Slot Size <u>0.01</u> in. Screen Length <u>10</u> ft.																																																							
S <input type="checkbox"/> Y _____ +/- _____ ft.	Type <u>MACHINE SLOTTED</u> Material <u>PVC</u>																																																							
<u>Latitude, Longitude Coordinates</u>	Set Between <u>24</u> ft. and <u>14</u> ft.																																																							
Latitude: <u>41.48302</u> Longitude: <u>81.69303</u>	GRAVEL PACK (Filter Pack)																																																							
Elevation of Well in feet: <u>778</u> +/- _____ ft.	Material/ Size <u>#7 SILICA SAND</u> Vol/Wt. Used <u>350 LBS.</u>																																																							
Datum Plane: <input type="checkbox"/> NAD27 <input checked="" type="checkbox"/> NAD83 Elevation Source <u>GPS</u>	Method of Installation <u>Poured (gravity)</u>																																																							
Source of Coordinates: <u>GPS</u>	Depth: Placed From: <u>24</u> ft. To: <u>12</u> ft.																																																							
Well location written description: <u>INNERBELT STUDY SITE 13</u>	GROUT																																																							
	Material <u>Bentonite pellets/chunks</u> Vol/Wt. Used <u>250 LBS.</u>																																																							
	Method of Installation <u>Poured (gravity)</u>																																																							
	Depth: Placed From: <u>12</u> ft. To: <u>2</u> ft.																																																							
Comments on water quality/quantity and well construction:	DRILLING LOG*																																																							
	FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED.																																																							
	<table border="1"><thead><tr><th>Color</th><th>Texture</th><th>Formation</th><th>From</th><th>To</th></tr></thead><tbody><tr><td></td><td></td><td><u>SAND AND GRAVEL</u></td><td><u>0</u></td><td><u>24</u></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr></tbody></table>	Color	Texture	Formation	From	To			<u>SAND AND GRAVEL</u>	<u>0</u>	<u>24</u>																																													
Color	Texture	Formation	From	To																																																				
		<u>SAND AND GRAVEL</u>	<u>0</u>	<u>24</u>																																																				
WELL TEST *																																																								
Pre-Pumping Static Level <u>0</u> ft. Date _____																																																								
Measured from _____																																																								
Pumping test method _____																																																								
Test Rate _____ gpm Duration of Test _____ hrs.																																																								
Feet of Drawdown _____ ft. Sustainable Yield _____ gpm																																																								
*(Attach a copy of the pumping test record, per section 1521.05, ORC)																																																								
Is Copy Attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Flowing Well? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																								
PUMP/PITLESS																																																								
Type of pump _____ Capacity _____ gpm																																																								
Pump set at _____ ft. Pitless Type _____																																																								
Pump installed by _____																																																								
I hereby certify the information given is accurate and correct to the best of my knowledge.																																																								
Drilling Firm <u>H.A.D. INC.</u>																																																								
Address <u>9797 RD BENNER</u>																																																								
City, State, Zip <u>RITTMAN OH 44270</u>																																																								
Signed <u>SUSAN BROMLEY</u> Date <u>8/15/2006</u>																																																								
(Filed Electronically)																																																								
ODH Registration Number _____	Aquifer Type (Formation producing the most water.) <u>SAND AND GRAVEL</u>																																																							
	Date of Well Completion <u>8/9/2006</u> Total Depth of Well <u>24</u> ft.																																																							

Completion of this form is required by section 1521.05, Ohio Revised Code - file within 30 days after completion of drilling.
Distribute copies of this record to Customer, and Local Health Department.

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0180021

LOCATION

SITE #14 MW01

County CUYAHOGA Township CLEVELAND Section/Lot Number
Owner/Builder BOJACKS MEATS

Address of Well Location 2000 WEST 14TH STREET
Number Street Name

City CLEVELAND Zip Code 44113

Property Location Description miles of nearest intersection

Location of Well in either: State Plane OR Latitude/Longitude

Location of Well in either: State Plane OR Latitude/Longitude
Check ONE In Decimal Degrees Degrees Minutes Degrees Min. Sec.
Latitude 41.8487 Longitude 81.6909

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other

ORIGINAL WELL ODNR Well Log Number 2003937 Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS

Date of measurements 6/03/2009

Depth of Well 30' Static Water Level 15'
Size of Casing 2" Length of casing
Well Condition Good

SEALING PROCEDURE

Method of Placement Tremmie Grout

Placement: From 30' To 1' Sealing Material Grout DF Volume 20 Gallons

Was Casing Removed? Yes or No

Condition of Casing Good

Perforations: From To

Date Sealing Performed 6/03/2009

Reason(s) for Sealing No Longer Needed

CONTRACTOR

Name H.A.D., Inc. ODH Registration #
Address 9797 Benner Road
City/State/Zip Rittman, Ohio 44270

Signature
I hereby certify the information given is accurate and correct to the best of my knowledge.

WELL LOG AND DRILLING REPORT

Well Log Number

2003937

DNR 7802.05e

Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

Page 1 of 1 for this record.

WELL LOCATION	CONSTRUCTION DETAILS																																																																																																																			
County <u>CUYAHOGA</u> Township <u>CLEVELAND</u> Owner/Builder <u>BOJACKS MEATS</u> Address of Well Location <u>2000 W ST 14TH</u> City <u>CLEVELAND</u> Zip Code +4, <u>44113</u> Permit No. _____ Section; _____ and/or Lot No. _____ Use of Well <u>MONITOR</u> Coordinates of Well (Use only one of the below coordinate systems) State Plane Coordinates N <input type="checkbox"/> X _____ +/- _____ ft. S <input type="checkbox"/> Y _____ +/- _____ ft. Latitude, Longitude Coordinates Latitude: <u>41.8487</u> Longitude: <u>81.6909</u> Elevation of Well in feet: _____ +/- _____ ft. Datum Plane: <input type="checkbox"/> NAD27 <input checked="" type="checkbox"/> NAD83 Elevation Source _____ Source of Coordinates: <u>GPS</u> Well location written description: <u>INNERBELT STUDY SITE #14</u> Comments on water quality/quantity and well construction:	Drilling Method: <u>AUGER</u> BOREHOLE/CASING (Measured from ground surface) 1 { Borehole Diameter <u>8.25</u> inches Depth <u>30</u> ft. Casing Diameter <u>2</u> in. Length <u>20</u> ft. Thickness <u>0.154</u> in. 2 { Borehole Diameter _____ inches Depth _____ ft. Casing Diameter _____ in. Length _____ ft. Thickness _____ in. Casing Height Above Ground _____ ft. Type { 1: <u>PVC</u> 2: _____ Joints { 1: <u>Threaded</u> 2: _____ SCREEN Diameter <u>2</u> in. Slot Size <u>0.01</u> in. Screen Length <u>10</u> ft. Type <u>MACHINE SLOTTED</u> Material <u>PVC</u> Set Between <u>30</u> ft. and <u>20</u> ft. GRAVEL PACK (Filter Pack) Material/Size <u>SILICA SAND</u> Vol/Wt. Used <u>400 LBS.</u> Method of Installation <u>Poured (gravity)</u> Depth: Placed From: <u>30</u> ft. To: <u>18</u> ft. GROUT Material <u>Bentonite pellets/chunks</u> Vol/Wt. Used <u>450 LBS.</u> Method of Installation <u>Poured (gravity)</u> Depth: Placed From: <u>18</u> ft. To: <u>2</u> ft.																																																																																																																			
WELL TEST *	DRILLING LOG*																																																																																																																			
Pre-Pumping Static Level <u>0</u> ft. Date _____ Measured from _____ Pumping test method _____ Test Rate _____ gpm Duration of Test _____ hrs. Feet of Drawdown _____ ft. Sustainable Yield _____ gpm *(Attach a copy of the pumping test record, per section 1521.05, ORC) Is Copy Attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Flowing Well? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED. <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="width: 40%;">Color</th> <th style="width: 20%;">Texture</th> <th style="width: 20%;">Formation</th> <th style="width: 10%;">From</th> <th style="width: 10%;">To</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>CONCRETE</td> <td style="text-align: center;">0</td> <td style="text-align: center;">2</td> </tr> <tr> <td></td> <td></td> <td>SAND</td> <td style="text-align: center;">2</td> <td style="text-align: center;">30</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	Color	Texture	Formation	From	To			CONCRETE	0	2			SAND	2	30																																																																																																				
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Type of pump _____ Capacity _____ gpm Pump set at _____ ft. Pitless Type _____ Pump installed by _____ I hereby certify the information given is accurate and correct to the best of my knowledge. Drilling Firm <u>H.A.D. INC.</u> Address <u>9797 RD BENNER</u> City, State, Zip <u>RITTMAN OH 44270</u> Signed <u>SUSAN BROMLEY</u> Date <u>7/18/2006</u> (Filed Electronically)																																																																																																																				
ODH Registration Number _____	Aquifer Type (Formation producing the most water.) <u>SAND</u> Date of Well Completion <u>7/12/2006</u> Total Depth of Well <u>30</u> ft.																																																																																																																			

Completion of this form is required by section 1521.05, Ohio Revised Code - file within 30 days after completion of drilling.
Distribute copies of this record to Customer, and Local Health Department.

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0187022

LOCATION

SITE #14 MW03

County CUYAHOGA Township CLEVELAND Section/Lot Number
Owner/Builder BOJACKS MEATS

Address of Well Location 2000 WEST 14TH STREET
Number Street Name

City CLEVELAND Zip Code 44113

Property Location Description miles of nearest intersection

on the side of road name

Location of Well in either: State Plane OR Latitude/Longitude
Check ONE In Decimal Degrees Degrees Minutes Degrees Min. Sec.
Latitude 41.8461 Longitude 81.69101

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other

ORIGINAL WELL ODNR Well Log Number 2003939 Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS Date of measurements 6/03/2009

Depth of Well 18' Static Water Level 15'
Size of Casing 2" Length of casing
Well Condition Good

SEALING PROCEDURE

Method of Placement Tremmie Grout Sealing Material Volume
Placement: From 18' To 1' Grout DF 15 Gallons

Was Casing Removed? Yes or No (circle one)

Condition of Casing Good
Perforations: From To

Date Sealing Performed 6/03/2009
Reason(s) for Sealing No Longer Needed

CONTRACTOR Name H.A.D., Inc. ODH Registration #
Address 9797 Benner Road
City/State/Zip Rittman, Ohio 44270

Signature
I hereby certify the information given is accurate and correct to the best of my knowledge.

WELL LOG AND DRILLING REPORT

Well Log Number

2003939

DNR 7802.05e

Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

Page 1 of 1 for this record.

WELL LOCATION	CONSTRUCTION DETAILS
<p>County <u>CUYAHOGA</u> Township <u>CLEVELAND</u></p> <p style="text-align: center;">BOJACKS MEATS</p> <p>Owner/Builder <u>2000 W ST 14TH</u> Address of Well Location</p> <p>City <u>CLEVELAND</u> Zip Code +4 <u>44113</u></p> <p>Permit No. _____ Section; _____ and/or Lot No. _____</p> <p>Use of Well <u>MONITOR</u></p> <p>Coordinates of Well (Use only one of the below coordinate systems)</p> <p>State Plane Coordinates</p> <p>N <input type="checkbox"/> X _____ +/- _____ ft. S <input type="checkbox"/> Y _____ +/- _____ ft.</p> <p>Latitude, Longitude Coordinates</p> <p>Latitude: <u>41.48461</u> Longitude: <u>81.69101</u></p> <p>Elevation of Well in feet: _____ +/- _____ ft.</p> <p>Datum Plane: <input type="checkbox"/> NAD27 <input checked="" type="checkbox"/> NAD83 Elevation Source _____</p> <p>Source of Coordinates: <u>GPS</u></p> <p>Well location written description: INNERBELT STUDY SITE #14 BY TRACKS</p>	<p>Drilling Method: <u>AUGER</u></p> <p>BOREHOLE/CASING (Measured from ground surface)</p> <p>1 { Borehole Diameter <u>8.25</u> inches Depth <u>18</u> ft. Casing Diameter <u>2</u> in. Length <u>8</u> ft. Thickness <u>0.154</u> in.</p> <p>2 { Borehole Diameter _____ inches Depth _____ ft. Casing Diameter _____ in. Length _____ ft. Thickness _____ in.</p> <p>Casing Height Above Ground _____ ft.</p> <p>Type { 1: <u>PVC</u> 2: _____</p> <p>Joints { 1: <u>Threaded</u> 2: _____</p> <p>SCREEN</p> <p>Diameter <u>2</u> in. Slot Size <u>0.01</u> in. Screen Length <u>10</u> ft.</p> <p>Type <u>MACHINE SLOTTED</u> Material <u>PVC</u></p> <p>Set Between <u>18</u> ft. and <u>8</u> ft.</p> <p>GRAVEL PACK (Filter Pack)</p> <p>Material/Size <u>SILICA SAND</u> Vol/Wt. Used <u>350 LBS.</u></p> <p>Method of Installation <u>Poured (gravity)</u></p> <p>Depth: Placed From: <u>18</u> ft. To: <u>6</u> ft.</p> <p>GROUT</p> <p>Material <u>Bentonite pellets/chunks</u> Vol/Wt. Used <u>150 LBS.</u></p> <p>Method of Installation <u>Poured (gravity)</u></p> <p>Depth: Placed From: <u>6</u> ft. To: <u>2</u> ft.</p>

WELL TEST *	DRILLING LOG*																																																																																					
<p>Comments on water quality/quantity and well construction:</p> 	<p>FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Color</th> <th>Texture</th> <th>Formation</th> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>FILL MATERIAL</td> <td>0</td> <td>2</td> </tr> <tr> <td></td> <td></td> <td>SAND</td> <td>2</td> <td>18</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Color	Texture	Formation	From	To			FILL MATERIAL	0	2			SAND	2	18																																																																						
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WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0180023

LOCATION

SITE #16 MW01

County CUYAHOGA Township CLEVELAND Section/Lot Number
Owner/Builder WENDELL & CARROLL COLLINS/1501 COMPANIES

Address of Well Location 2177 WEST 15TH STREET
Number Street Name

City CLEVELAND Zip Code 44113

Property Location Description on the side of road name

Location of Well in either: State Plane OR Latitude/Longitude
Latitude 41.48363 Longitude 81.69142

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other

ORIGINAL WELL ODNR Well Log Number 2003936 Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS Date of measurements 6/03/2009

Depth of Well 30' Static Water Level 20'
Size of Casing 2" Length of casing
Well Condition Good

SEALING PROCEDURE

Method of Placement Tremmie Grout
Placement: From 30' To 1' Sealing Material Grout DF Volume 20 Gallons

Was Casing Removed? Yes or No (circle one)

Condition of Casing Good
Perforations: From To

Date Sealing Performed 6/03/2009
Reason(s) for Sealing No Longer Needed

CONTRACTOR Name H.A.D., Inc. Address 9797 Benner Road City/State/Zip Rittman, Ohio 44270

Signature I hereby certify the information given is accurate and correct to the best of my knowledge.

WELL LOG AND DRILLING REPORT

Well Log Number.

DNR 7802.05e

Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

2003936

Page 1 of 1 for this record.

WELL LOCATION	CONSTRUCTION DETAILS																																																																																																																													
<p>County <u>CUYAHOGA</u> Township <u>CLEVELAND</u> <u>WENDELL & CARROLL</u> <u>COLLINS / 1501 COMPANIES</u> Owner/Builder <u>2177 W ST 15TH</u> Address of Well Location City <u>CLEVELAND</u> Zip Code +4 <u>44113</u> Permit No. _____ Section; _____ and/or Lot No. _____ Use of Well <u>MONITOR</u></p>	<p>Drilling Method: <u>AUGER</u> BOREHOLE/CASING (Measured from ground surface) 1 { Borehole Diameter <u>8.25</u> inches Depth <u>30</u> ft. Casing Diameter <u>2</u> in. Length <u>20</u> ft. Thickness <u>0.154</u> in. 2 { Borehole Diameter _____ inches Depth _____ ft. Casing Diameter _____ in. Length _____ ft. Thickness _____ in. Casing Height Above Ground _____ ft. Type { 1: <u>PVC</u> 2: _____ Joints { 1: <u>Threaded</u> 2: _____ SCREEN Diameter <u>2</u> in. Slot Size <u>0.01</u> in. Screen Length <u>10</u> ft. Type <u>MACHINE SLOTTED</u> Material <u>PVC</u> Set Between <u>30</u> ft. and <u>20</u> ft. GRAVEL PACK (Filter Pack) Material/ Size <u>SILICA SAND</u> Vol/Wt. Used <u>400 LBS.</u> Method of Installation <u>Poured (gravity)</u> Depth: Placed From: <u>30</u> ft. To: <u>18</u> ft. GROUT Material <u>Bentonite pellets/chunks</u> Vol/Wt. Used <u>350 LBS.</u> Method of Installation <u>Poured (gravity)</u> Depth: Placed From: <u>18</u> ft. To: <u>2</u> ft.</p>																																																																																																																													
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<p>PUMP/PITLESS</p> <p>Type of pump _____ Capacity _____ gpm Pump set at _____ ft. Pitless Type _____ Pump installed by _____ I hereby certify the information given is accurate and correct to the best of my knowledge. Drilling Firm <u>H.A.D. INC.</u> Address <u>9797 RD BENNER</u> City, State, Zip <u>RITTMAN OH 44270</u> Signed _____ SUSAN BROMLEY Date <u>7/18/2006</u> (Filed Electronically)</p>	<p>Date of Well Completion <u>7/11/2006</u> Total Depth of Well <u>30</u> ft.</p>																																																																																																																													
<p>ODH Registration Number _____</p>	<p>Completion of this form is required by section 1521.05, Ohio Revised Code - file within 30 days after completion of drilling. Distribute copies of this record to Customer, and Local Health Department.</p>																																																																																																																													

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0180043

LOCATION

SITE #17 MW02

County CUYAHOGA Township CLEVELAND Section/Lot Number
Owner/Builder TERMINAL OIL

Address of Well Location 308 CENTRAL VIADUCT
Number Street Name

City CLEVELAND Zip Code 44113

Property Location Description
on the side of road name

Location of Well in either: State Plane OR Latitude/Longitude
Latitude 41.49217 Longitude 81.60649

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other

ORIGINAL WELL ODNR Well Log Number 2004618 Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS

Date of measurements 6/16/2009

Depth of Well 19' Static Water Level 15'
Size of Casing 2" Length of casing 9'
Well Condition Good

SEALING PROCEDURE

Method of Placement Tremmie Grout
Placement: From 19' To 1' Sealing Material Grout DF Volume 10 Gallons

Was Casing Removed? Yes or No

Condition of Casing Good
Perforations: From To

Date Sealing Performed 6/16/2009
Reason(s) for Sealing No Longer Needed

CONTRACTOR

Name H.A.D., Inc. ODH Registration #
Address 9797 Benner Road
City/State/Zip Rittman, Ohio 44270

Signature
I hereby certify the information given is accurate and correct to the best of my knowledge.

WELL LOG AND DRILLING REPORT

Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

2004618

WELL LOCATION	CONSTRUCTION DETAILS																																																																																					
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Source of Coordinates: <u>GPS</u>	Depth: Placed From: <u>16</u> ft. To: <u>5</u> ft.																																																																																					
Well location written description: <u>INNERBELT STUDY SITE 17</u>	GROUT																																																																																					
	Material <u>Bentonite pellets/chunks</u> Vol/Wt. Used <u>250 LBS.</u>																																																																																					
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City, State, Zip <u>RITTMAN OH 44270</u>																																																																																						
Signed <u>SUSAN BROMLEY</u> Date <u>8/21/2006</u>																																																																																						
(Filed Electronically)																																																																																						
ODH Registration Number _____	Aquifer Type (Formation producing the most water.) <u>GRAVEL AND SAND</u>																																																																																					
	Date of Well Completion <u>8/15/2006</u> Total Depth of Well <u>16</u> ft.																																																																																					

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0187042

LOCATION

SITE #17 MW03

County CUYAHOGA Township CLEVELAND Section/Lot Number
Owner/Builder TERMINAL OIL

Address of Well Location 308 CENTRAL VIADUCT
Number Street Name

City CLEVELAND Zip Code 44113

Property Location Description on the side of road name

Location of Well in either: State Plane OR Latitude/Longitude
Latitude 41.49212 Longitude 81.6872

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other

ORIGINAL WELL ODNR Well Log Number 2004604 Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS Date of measurements 6/16/2009

Depth of Well 17' Static Water Level 15'
Size of Casing 2" Length of casing 7'
Well Condition Good

SEALING PROCEDURE Method of Placement Tremmie Grout

Placement: From 17' To 1' Sealing Material Grout DF Volume 10 Gallons

Was Casing Removed? Yes or No

Condition of Casing Good
Perforations: From To

Date Sealing Performed 6/16/2009
Reason(s) for Sealing No Longer Needed

CONTRACTOR Name H.A.D., Inc. ODH Registration #

Address 9797 Benner Road
City/State/Zip Rittman, Ohio 44270

Signature
I hereby certify the information given is accurate and correct to the best of my knowledge.

WELL LOG AND DRILLING REPORT

Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

Well Log Number.
2004604
Page 1 of 1 for this record.

WELL LOCATION CONSTRUCTION DETAILS

County CUYAHOGA Township CLEVELAND

Drilling Method: AUGER
BOREHOLE/CASING (Measured from ground surface)

TERMINAL OIL

1 { Borehole Diameter 8.25 inches Depth 30 ft.
Casing Diameter 2 in. Length 20 ft. Thickness 0.154 in.
2 { Borehole Diameter _____ inches Depth _____ ft.
Casing Diameter _____ in. Length _____ ft. Thickness _____ in.

Owner/Builder
308 CENTRAL VIADUCT
Address of Well Location

Casing Height Above Ground _____ ft.
Type { 1: PVC
2: _____

City CLEVELAND Zip Code +4 44113
Permit No. _____ Section; _____ and/or Lot No. _____

Joints { 1: Threaded
2: _____

Use of Well MONITOR

Coordinates of Well (Use only one of the below coordinate systems)

State Plane Coordinates
N X _____ +/- _____ ft.
S Y _____ +/- _____ ft.

SCREEN

Diameter 2 in. Slot Size 0.01 in. Screen Length 10 ft.
Type MACHINE SLOTTED Material PVC
Set Between 30 ft. and 20 ft.

Latitude, Longitude Coordinates
Latitude: 41.49212 Longitude: 81.6872

GRAVEL PACK (Filter Pack)
Material/ Size SILICA SAND Vol/Wt. Used 400 LBS.

Elevation of Well in feet: _____ +/- _____ ft.

Method of Installation Poured (gravity)
Depth: Placed From: 30 ft. To: 18 ft.

Datum Plane: NAD27 NAD83 Elevation Source _____

GROUT
Material Bentonite pellets/chunks Vol/Wt. Used 300 LBS.

Source of Coordinates: GPS

Method of Installation Poured (gravity)
Depth: Placed From: 18 ft. To: 2 ft.

Well location written description:
INNERBELT STUDY SITE 17

DRILLING LOG*

Comments on water quality/quantity and well construction:

FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED.

Color	Texture	Formation	From	To
		FILL MATERIAL	0	2
		SAND	2	30

WELL TEST *

Pre-Pumping Static Level 0 ft. Date _____
Measured from _____
Pumping test method _____
Test Rate _____ gpm Duration of Test _____ hrs.
Feet of Drawdown _____ ft. Sustainable Yield _____ gpm
*(Attach a copy of the pumping test record, per section 1521.05, ORC)
Is Copy Attached? Yes No Flowing Well? Yes No

PUMP/PITLESS

Type of pump _____ Capacity _____ gpm
Pump set at _____ ft. Pitless Type _____
Pump installed by _____
I hereby certify the information given is accurate and correct to the best of my knowledge.
Drilling Firm H.A.D. INC.
Address 9797 BENNER RD
City, State, Zip RITTMAN OH 44270
Signed SUSAN BROMLEY Date 8/21/2006
(Filed Electronically)
ODH Registration Number _____

Aquifer Type (Formation producing the most water.) SAND
Date of Well Completion 8/15/2006 Total Depth of Well 30 ft.

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0180041

LOCATION

SITE #17 MW04

County CUYAHOGA Township CLEVELAND Section/Lot Number
Owner/Builder TERMINAL OIL
Circle One or Both

Address of Well Location 308 CENTRAL VIADUCT
Number Street Name

City CLEVELAND Zip Code 44113

Property Location Description miles n, e, s, w of nearest intersection

on the side of road name

Location of Well in either: State Plane OR Latitude/Longitude
Latitude 41.49179 Longitude 81.68655

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other

ORIGINAL WELL ODNR Well Log Number 2004617 Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS

Date of measurements 6/16/2009

Depth of Well 20' Static Water Level 10'
Size of Casing 2" Length of casing 10'
Well Condition Good

SEALING PROCEDURE

Method of Placement Tremmie Grout

Placement: From 20' To 1' Sealing Material Grout DF Volume 10 Gallons

Was Casing Removed? Yes or No

Condition of Casing Good

Perforations: From To

Date Sealing Performed 6/16/2009

Reason(s) for Sealing No Longer Needed

CONTRACTOR

Name H.A.D., Inc. ODH Registration #
Address 9797 Benner Road
City/State/Zip Rittman, Ohio 44270

Signature
I hereby certify the information given is accurate and correct to the best of my knowledge.

WELL LOG AND DRILLING REPORT

DNR 7802.05e

Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

Well Log Number

2004617

Page 1 of 1 for this record.

WELL LOCATION	CONSTRUCTION DETAILS																																																																																																																			
County <u>CUYAHOGA</u> Township <u>CLEVELAND</u> Owner/Builder <u>TERMINAL OIL</u> Address of Well Location <u>308 CENTRAL VIADUCT</u> City <u>CLEVELAND</u> Zip Code +4 <u>44113</u> Permit No. _____ Section; _____ and/or Lot No. _____ Use of Well <u>MONITOR</u> Coordinates of Well (Use only one of the below coordinate systems) <u>State Plane Coordinates</u> N <input type="checkbox"/> X _____ +/- _____ ft. S <input type="checkbox"/> Y _____ +/- _____ ft. <u>Latitude, Longitude Coordinates</u> Latitude: <u>41.49179</u> Longitude: <u>81.68655</u> Elevation of Well in feet: _____ +/- _____ ft. Datum Plane: <input type="checkbox"/> NAD27 <input checked="" type="checkbox"/> NAD83 Elevation Source _____ Source of Coordinates: <u>GPS</u> Well location written description: <u>INNERBELT STUDY SITE 17</u>	Drilling Method: <u>AUGER</u> BOREHOLE/CASING (Measured from ground surface) 1 { Borehole Diameter <u>8.25</u> inches Depth <u>18</u> ft. Casing Diameter <u>2</u> in. Length <u>8</u> ft. Thickness <u>0.154</u> in. 2 { Borehole Diameter _____ inches Depth _____ ft. Casing Diameter _____ in. Length _____ ft. Thickness _____ in. Casing Height Above Ground _____ ft. Type { 1: <u>PVC</u> 2: _____ Joints { 1: <u>Threaded</u> 2: _____ SCREEN Diameter <u>2</u> in. Slot Size <u>0.01</u> in. Screen Length <u>10</u> ft. Type <u>MACHINE SLOTTED</u> Material <u>PVC</u> Set Between <u>18</u> ft. and <u>8</u> ft. GRAVEL PACK (Filter Pack) Material/Size <u>SILICA SAND</u> Vol/Wt. Used <u>400</u> LBS. Method of Installation <u>Poured (gravity)</u> Depth: Placed From: <u>18</u> ft. To: <u>6</u> ft. GROUT Material <u>Bentonite pellets/chunks</u> Vol/Wt. Used <u>300</u> LBS. Method of Installation <u>Poured (gravity)</u> Depth: Placed From: <u>6</u> ft. To: <u>1</u> ft.																																																																																																																			
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Distribute copies of this record to Customer, and Local Health Department.

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

018000

SITE #18 MW01

LOCATION

County CUYAHOGA Township CLEVELAND Section/Lot Number
Owner/Builder CLEVELAND FIRE STATION

Address of Well Location 310 CARNEGIE AVENUE
Number Street Name
44115

City CLEVELAND Zip Code
Property Location Description

on the side of road name

Location of Well in either: State Plane OR Latitude/Longitude
Check ONE In Decimal Degrees Degrees Minutes Degrees Min. Sec.

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other

ORIGINAL WELL ODNR Well Log Number 2004600 Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS Date of measurements 6/16/2009

Depth of Well 36' Static Water Level 30'
Size of Casing 2" Length of casing 26'
Well Condition Good

SEALING PROCEDURE TREMMIE GROUT

Method of Placement
Placement: From 36' To 1' Sealing Material GROUT DF Volume 15 GALLONS

Was Casing Removed? Yes or No (circle one) Good

Condition of Casing
Perforations: From To

Date Sealing Performed 6/16/2009
Reason(s) for Sealing No Longer Needed

CONTRACTOR Name H.A.D., Inc. Address 9797 Benner Road Rittman, Ohio 44270

Signature
I hereby certify the information given is accurate and correct to the best of my knowledge.

WELL LOG AND DRILLING REPORT
 Ohio Department of Natural Resources
 Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
 Voice (614) 265-6740 Fax (614) 265-6767

WELL LOCATION	CONSTRUCTION DETAILS																																																												
County <u>CUYAHOGA</u> Township <u>CLEVELAND</u> <u>CLEVELAND FIRE STATION</u> Owner/Builder <u>310 CARNEGIE AVE</u> Address of Well Location City <u>CLEVELAND</u> Zip Code +4 <u>44115</u> Permit No. _____ Section; _____ and/or Lot No. _____ Use of Well <u>MONITOR</u> Coordinates of Well (Use only one of the below coordinate systems) State Plane Coordinates N <input type="checkbox"/> X _____ +/- _____ ft. S <input type="checkbox"/> Y _____ +/- _____ ft. Latitude, Longitude Coordinates Latitude: <u>41.49302</u> Longitude: <u>81.68779</u> Elevation of Well in feet: <u>603</u> +/- _____ ft. Datum Plane: <input type="checkbox"/> NAD27 <input checked="" type="checkbox"/> NAD83 Elevation Source <u>GPS</u> Source of Coordinates: <u>GPS</u> Well location written description: <u>INNERBELT STUDY SITE 18</u>	Drilling Method: <u>AUGER</u> BOREHOLE/CASING (Measured from ground surface) 1 { Borehole Diameter <u>8.25</u> inches Depth <u>20</u> ft. { Casing Diameter <u>2</u> in. Length <u>10</u> ft. Thickness <u>0.154</u> in. 2 { Borehole Diameter _____ inches Depth _____ ft. { Casing Diameter _____ in. Length _____ ft. Thickness _____ in. Casing Height Above Ground _____ ft. Type { 1: <u>PVC</u> 2: _____ Joints { 1: <u>Threaded</u> 2: _____ SCREEN Diameter <u>2</u> in. Slot Size <u>0.01</u> in. Screen Length <u>10</u> ft. Type <u>MACHINE SLOTTED</u> Material <u>PVC</u> Set Between <u>20</u> ft. and <u>10</u> ft. GRAVEL PACK (Filter Pack) Material/Size <u>#7 SILICA SAND</u> Vol/Wt. Used <u>350 LBS.</u> Method of Installation <u>Poured (gravity)</u> Depth: Placed From: <u>20</u> ft. To: <u>8</u> ft. GROUT Material <u>Bentonite pellets/chunks</u> Vol/Wt. Used <u>150 LBS.</u> Method of Installation <u>Poured (gravity)</u> Depth: Placed From: <u>8</u> ft. To: <u>2</u> ft.																																																												
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ODH Registration Number _____	Aquifer Type (Formation producing the most water.) <u>SAND</u> Date of Well Completion <u>8/16/2006</u> Total Depth of Well <u>20</u> ft.																																																												

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WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0179999

SITE #18-MW02

LOCATION

County CUYAHOGA Township CLEVELAND Section/Lot Number
Owner/Builder CLEVELAND FIRE STATION

Address of Well Location 310 CARNEGIE AVENUE
City CLEVELAND Zip Code 44115

Property Location Description on the side of road name

Location of Well in either: State Plane OR Latitude/Longitude
Check ONE In Decimal Degrees Degrees Minutes Degrees Min. Sec.

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other

ORIGINAL WELL ODNr Well Log Number 2004600 Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS Date of measurements 6/16/2009

Depth of Well 30' Static Water Level 25'
Size of Casing 2" Length of casing 20'
Well Condition Good

SEALING PROCEDURE TREMMIE GROUT

Method of Placement Sealing Material GROUT DF Volume 15 GALLONS

Was Casing Removed? Yes or No (circle one) Good

Condition of Casing Perforations: From To

Date Sealing Performed 6/16/2009 Reason(s) for Sealing No Longer Needed

CONTRACTOR Name H.A.D., Inc. Address 9797 Benner Road City/State/Zip Rittman, Ohio 44270

Signature I hereby certify the information given is accurate and correct to the best of my knowledge.

WELL LOG AND DRILLING REPORT

DNR 7802.05e

Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

Well Log Number

2004600

Page 1 of 1 for this record.

WELL LOCATION	CONSTRUCTION DETAILS																																																																
County <u>CUYAHOGA</u> Township <u>CLEVELAND</u> <u>CLEVELAND FIRE STATION</u> Owner/Builder <u>310 CARNEGIE AVE</u> Address of Well Location City <u>CLEVELAND</u> Zip Code +4 <u>44115</u> Permit No. _____ Section; _____ and/or Lot No. _____ Use of Well <u>MONITOR</u> Coordinates of Well (Use only one of the below coordinate systems) State Plane Coordinates N <input type="checkbox"/> X _____ +/- _____ ft. S <input type="checkbox"/> Y _____ +/- _____ ft. Latitude, Longitude Coordinates Latitude: <u>41.49261</u> Longitude: <u>81.68729</u> Elevation of Well in feet: <u>666</u> +/- _____ ft. Datum Plane: <input type="checkbox"/> NAD27 <input checked="" type="checkbox"/> NAD83 Elevation Source <u>GPS</u> Source of Coordinates: <u>GPS</u> Well location written description: <u>INNERBELT STUDY SITE 18</u>	Drilling Method: <u>AUGER</u> BOREHOLE/CASING (Measured from ground surface) 1 { Borehole Diameter <u>8.25</u> inches Depth <u>28</u> ft. Casing Diameter <u>2</u> in. Length <u>18</u> ft. Thickness <u>0.154</u> in. 2 { Borehole Diameter _____ inches Depth _____ ft. Casing Diameter _____ in. Length _____ ft. Thickness _____ in. Casing Height Above Ground _____ ft. Type { 1: <u>PVC</u> 2: _____ Joints { 1: <u>Threaded</u> 2: _____ SCREEN Diameter <u>2</u> in. Slot Size <u>0.01</u> in. Screen Length <u>10</u> ft. Type <u>MACHINE SLOTTED</u> Material <u>PVC</u> Set Between <u>28</u> ft. and <u>18</u> ft. GRAVEL PACK (Filter Pack) Vol/Wt. Material/Size <u>#7 SILICA SAND</u> Used <u>500</u> LBS. Method of Installation <u>Poured (gravity)</u> Depth: Placed From: <u>28</u> ft. To: <u>16</u> ft. GROUT Vol/Wt. Material <u>Bentonite pellets/chunks</u> Used <u>350</u> LBS. Method of Installation <u>Poured (gravity)</u> Depth: Placed From: <u>16</u> ft. To: <u>2</u> ft.																																																																
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WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0187044

LOCATION

SITE #19 MW01

County CUYAHOGA Township CLEVELAND Section/Lot Number
Owner/Builder GILLOTA FUEL PRODUCTS
Circle One or Both

Address of Well Location 206-300 CENTRAL VIADUCT
Number Street Name

City CLEVELAND Zip Code 44113

Property Location Description
on the miles of nearest intersection
n, e, s, w road name

Location of Well in either: State Plane OR Latitude/Longitude
N S X Y
Check ONE In Decimal Degrees Degrees Minutes Degrees Min. Sec.
Latitude 41.49249 Longitude 81.68673

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other

ORIGINAL WELL ODNR Well Log Number 2004597 Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS Date of measurements 6/16/2009

Depth of Well 30' Static Water Level 20'
Size of Casing 2" Length of casing 20'
Well Condition Good

SEALING PROCEDURE Method of Placement Tremmie Grout

Placement: From 30' To 1' Sealing Material Grout DF Volume 15 Gallons

Was Casing Removed? Yes or No (circle one)

Condition of Casing Good
Perforations: From To

Date Sealing Performed 6/16/2009
Reason(s) for Sealing No Longer Needed

CONTRACTOR Name H.A.D., Inc. ODH Registration #
Address 9797 Benner Road
City/State/Zip Rittman, Ohio 44270

Signature
I hereby certify the information given is accurate and correct to the best of my knowledge.

WELL LOG AND DRILLING REPORT

Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

Well Log Number
2004597
Page 1 of 1 for this record.

WELL LOCATION	CONSTRUCTION DETAILS																																																																																																																								
County <u>CUYAHOGA</u> Township <u>CLEVELAND</u> GILLOTA FUEL PRODUCTS Owner/Builder <u>206300 CENTRAL VIADUCT</u> Address of Well Location City <u>CLEVELAND</u> Zip Code +4 <u>44113</u> Permit No. _____ Section; _____ and/or Lot No. _____ Use of Well <u>MONITOR</u> Coordinates of Well (Use only one of the below coordinate systems) <u>State Plane Coordinates</u> N <input type="checkbox"/> X _____ +/- _____ ft. S <input type="checkbox"/> Y _____ +/- _____ ft. <u>Latitude, Longitude Coordinates</u> Latitude: <u>41.49249</u> Longitude: <u>81.68673</u> Elevation of Well in feet: <u>740</u> +/- _____ ft. Datum Plane: <input type="checkbox"/> NAD27 <input checked="checked" type="checkbox"/> NAD83 Elevation Source <u>GPS</u> Source of Coordinates: <u>GPS</u> Well location written description: <u>INNERBELT STUDY SITE 19</u>	Drilling Method: <u>AUGER</u> BOREHOLE/CASING (Measured from ground surface) 1 { Borehole Diameter <u>8.25</u> inches Depth <u>35</u> ft. { Casing Diameter <u>2</u> in. Length <u>25</u> ft. Thickness <u>0.154</u> in. 2 { Borehole Diameter _____ inches Depth _____ ft. { Casing Diameter _____ in. Length _____ ft. Thickness _____ in. Casing Height Above Ground _____ ft. Type { 1: <u>PVC</u> 2: _____ Joints { 1: <u>Threaded</u> 2: _____ SCREEN Diameter <u>2</u> in. Slot Size <u>0.01</u> in. Screen Length <u>10</u> ft. Type <u>MACHINE SLOTTED</u> Material <u>PVC</u> Set Between <u>35</u> ft. and <u>25</u> ft. GRAVEL PACK (Filter Pack) Material/Size <u>#7 SILICA SAND</u> Vol/Wt. Used <u>350 LBS.</u> Method of Installation <u>Poured (gravity)</u> Depth: Placed From: <u>35</u> ft. To: <u>23</u> ft. GROUT Material <u>Bentonite pellets/chunks</u> Vol/Wt. Used <u>650 LBS.</u> Method of Installation <u>Poured (gravity)</u> Depth: Placed From: <u>23</u> ft. To: <u>2</u> ft.																																																																																																																								
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ODH Registration Number _____ Aquifer Type (Formation producing the most water.) <u>SAND</u> Date of Well Completion <u>8/16/2006</u> Total Depth of Well <u>35</u> ft.																																																																																																																									

Completion of this form is required by section 1521.05, Ohio Revised Code - file within 30 days after completion of drilling. Distribute copies of this record to Customer, and Local Health Department.

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0180039

LOCATION

SITE #20 MW02

County CUYAHOGA Township CLEVELAND Section/Lot Number

Owner/Builder EARL LEE

Address of Well Location 2394 CANAL ROAD
Number Street Name

City CLEVELAND Zip Code 44113

Property Location Description miles of nearest intersection

on the side of road name

Location of Well in either: State Plane OR Latitude/Longitude
Latitude 41.49206 Longitude 81.68625

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other

ORIGINAL WELL ODNR Well Log Number 2003978 Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS Date of measurements 6/15/2009

Depth of Well 23' Static Water Level 20'
Size of Casing 2" Length of casing 13'
Well Condition Good

SEALING PROCEDURE Method of Placement Tremmie Grout

Placement: From 23' To 1' Sealing Material Grout DF Volume 10 Gallons

Was Casing Removed? Yes or No

Condition of Casing Good

Perforations: From To

Date Sealing Performed 6/15/2009

Reason(s) for Sealing No Longer Needed

CONTRACTOR Name H.A.D., Inc. ODH Registration #

Address 9797 Benner Road

City/State/Zip Rittman, Ohio 44270

Signature

I hereby certify the information given is accurate and correct to the best of my knowledge.

WELL LOG AND DRILLING REPORT

Well Log Number

DNR 7802.05e

Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

2003978

Page 1 of 1 for this record.

WELL LOCATION	CONSTRUCTION DETAILS																																																																
County <u>CUYAHOGA</u> Township <u>CLEVELAND</u> Owner/Builder <u>EARL LEE</u> Address of Well Location <u>2394 CANAL RD</u> City <u>CLEVELAND</u> Zip Code +4 <u>44113</u> Permit No. _____ Section; _____ and/or Lot No. _____ Use of Well <u>MONITOR</u> Coordinates of Well (Use only one of the below coordinate systems) State Plane Coordinates N <input type="checkbox"/> X _____ +/- _____ ft. S <input type="checkbox"/> Y _____ +/- _____ ft. Latitude, Longitude Coordinates Latitude: <u>41.49206</u> Longitude: <u>81.68625</u> Elevation of Well in feet: _____ +/- _____ ft. Datum Plane: <input type="checkbox"/> NAD27 <input checked="" type="checkbox"/> NAD83 Elevation Source _____ Source of Coordinates: <u>GPS</u> Well location written description: <u>INNERBELT STUDY SITE #20</u>	Drilling Method: <u>AUGER</u> BOREHOLE/CASING (Measured from ground surface) 1 { Borehole Diameter <u>8.25</u> inches Depth <u>22</u> ft. Casing Diameter <u>2</u> in. Length <u>12</u> ft. Thickness <u>0.154</u> in. 2 { Borehole Diameter _____ inches Depth _____ ft. Casing Diameter _____ in. Length _____ ft. Thickness _____ in. Casing Height Above Ground _____ ft. Type { 1: <u>PVC</u> 2: _____ Joints { 1: <u>Threaded</u> 2: _____ SCREEN Diameter <u>2</u> in. Slot Size <u>0.01</u> in. Screen Length <u>10</u> ft. Type <u>MACHINE SLOTTED</u> Material <u>PVC</u> Set Between <u>22</u> ft. and <u>12</u> ft. GRAVEL PACK (Filter Pack) Material/Size <u>SILICA SAND</u> Vol/Wt. Used <u>400 LBS.</u> Method of Installation <u>Poured (gravity)</u> Depth: Placed From: <u>22</u> ft. To: <u>10</u> ft. GROUT Material <u>Bentonite pellets/chunks</u> Vol/Wt. Used <u>350 LBS.</u> Method of Installation <u>Poured (gravity)</u> Depth: Placed From: <u>10</u> ft. To: <u>2</u> ft.																																																																
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ODH Registration Number _____	Aquifer Type (Formation producing the most water.) <u>CLAY</u> Date of Well Completion <u>7/18/2006</u> Total Depth of Well <u>22</u> ft.																																																																

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0180038

LOCATION

SITE #20 MW03

County CUYAHOGA Township CHAGRIN FALLS Section/Lot Number
Owner/Builder EARL LEE

Address of Well Location 2394 CANAL ROAD
Number Street Name

City CLEVELAND Zip Code 44113

Property Location Description on the side of road name

Location of Well in either: State Plane OR Latitude/Longitude
Latitude 41.49161 Longitude 81.68762

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other

ORIGINAL WELL ODNR Well Log Number 2004527 Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS Date of measurements 6/15/2009

Depth of Well 23' Static Water Level 20'
Size of Casing 2" Length of casing 13'
Well Condition Good

SEALING PROCEDURE Method of Placement Tremmie Grout

Placement: From 23' To 1' Sealing Material Grout DF Volume 10 Gallons

Was Casing Removed? Yes or No

Condition of Casing Good
Perforations: From To

Date Sealing Performed 6/15/2009
Reason(s) for Sealing No Longer Needed

CONTRACTOR

Name H.A.D., Inc. ODH Registration #
Address 9797 Benner Road
City/State/Zip Rittman, Ohio 44270

Signature
I hereby certify the information given is accurate and correct to the best of my knowledge.

WELL LOG AND DRILLING REPORT

DNR 7802.05e

Ohio Department of Natural Resources
 Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
 Voice (614) 265-6740 Fax (614) 265-6767

Well Log Number

2004527

Page 1 of 1 for this record.

WELL LOCATION	CONSTRUCTION DETAILS																																																												
County <u>CUYAHOGA</u> Township <u>CHAGRIN FALLS</u> <u>EARL</u> <u>LEE</u> Owner/Builder <u>2394 CANAL RD</u> Address of Well Location City <u>CLEVELAND</u> Zip Code +4 <u>44113</u> Permit No. _____ Section; _____ and/or Lot No. _____ Use of Well <u>MONITOR</u> Coordinates of Well (Use only one of the below coordinate systems) <u>State Plane Coordinates</u> N <input type="checkbox"/> X _____ +/- _____ ft. S <input type="checkbox"/> Y _____ +/- _____ ft. <u>Latitude, Longitude Coordinates</u> Latitude: <u>41.49161</u> Longitude: <u>81.68762</u> Elevation of Well in feet: <u>602</u> +/- _____ ft. Datum Plane: <input type="checkbox"/> NAD27 <input checked="" type="checkbox"/> NAD83 Elevation Source <u>GPS</u> Source of Coordinates: <u>GPS</u> Well location written description: Comments on water quality/quantity and well construction:	Drilling Method: <u>AUGER</u> BOREHOLE/CASING (Measured from ground surface) 1 { Borehole Diameter <u>8.25</u> inches Depth <u>24</u> ft. { Casing Diameter <u>2</u> in. Length <u>14</u> ft. Thickness <u>0.154</u> in. 2 { Borehole Diameter _____ inches Depth _____ ft. { Casing Diameter _____ in. Length _____ ft. Thickness _____ in. Casing Height Above Ground _____ ft. Type { 1: <u>PVC</u> 2: _____ Joints { 1: <u>Threaded</u> 2: _____ SCREEN Diameter <u>2</u> in. Slot Size <u>0.01</u> in. Screen Length <u>10</u> ft. Type <u>MACHINE SLOTTED</u> Material <u>PVC</u> Set Between <u>24</u> ft. and <u>14</u> ft. GRAVEL PACK (Filter Pack) Vol/Wt. _____ Material/Size <u>#7 SILICA SAND</u> Used <u>450</u> LBS. Method of Installation <u>Poured (gravity)</u> Depth: Placed From: <u>24</u> ft. To: <u>12</u> ft. GROUT Vol/Wt. _____ Material <u>Bentonite pellets/chunks</u> Used <u>250</u> LBS. Method of Installation <u>Poured (gravity)</u> Depth: Placed From: <u>12</u> ft. To: <u>2</u> ft.																																																												
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ODH Registration Number _____	Aquifer Type (Formation producing the most water.) <u>SAND</u> Date of Well Completion <u>8/11/2006</u> Total Depth of Well <u>24</u> ft.																																																												

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WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0180018

LOCATION

SITE #21 MW01

County CUYAHOGA Township CLEVELAND Section/Lot Number
Owner/Builder WHITE PROPERTIES

Address of Well Location 1996 WEST 3RD STREET
Number Street Name

City CLEVELAND Zip Code 44113

Property Location Description miles of nearest intersection

on the side of road name

Location of Well in either: State Plane OR Latitude/Longitude
N S X Y
Check ONE In Decimal Degrees Degrees Minutes Degrees Min. Sec.
Latitude 41.49041 Longitude 81.6881

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other Map

ORIGINAL WELL ODNR Well Log Number 2004522 Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS Date of measurements 6/03/2009

Depth of Well 13' Static Water Level DRY
Size of Casing 2" Length of casing
Well Condition Good

SEALING PROCEDURE

Method of Placement Tremmie Grout

Placement: From 13' To 1' Sealing Material Grout DF Volume 5 Gallons

Was Casing Removed? Yes or No (circle one)

Condition of Casing Good
Perforations: From 13' To 1'

Date Sealing Performed 6/03/2009
Reason(s) for Sealing No Longer Needed

CONTRACTOR

Name H.A.D., Inc. ODH Registration #
Address 9797 Benner Road
City/State/Zip Rittman, Ohio 44270

Signature
I hereby certify the information given is accurate and correct to the best of my knowledge.

WELL LOG AND DRILLING REPORT

Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

Well Log Number

2004522

Page 1 of 1 for this record.

WELL LOCATION	CONSTRUCTION DETAILS
County <u>CUYAHOGA</u> Township <u>CLEVELAND</u>	Drilling Method: <u>AUGER</u>
WHITE PROPERTIES	BOREHOLE/CASING (Measured from ground surface)
Owner/Builder	1 { Borehole Diameter <u>8.25</u> inches Depth <u>15</u> ft. Casing Diameter <u>2</u> in. Length <u>10</u> ft. Thickness <u>0.154</u> in.
1996 W ST 3RD Address of Well Location	2 { Borehole Diameter _____ inches Depth _____ ft. Casing Diameter _____ in. Length _____ ft. Thickness _____ in.
City <u>CLEVELAND</u> Zip Code +4 <u>44113</u>	Casing Height Above Ground _____ ft.
Permit No. _____ Section; _____ and/or Lot No. _____	Type { 1: <u>PVC</u> 2: _____
Use of Well <u>MONITOR</u>	Joints { 1: <u>Threaded</u> 2: _____
Coordinates of Well (Use only one of the below coordinate systems)	SCREEN
<u>State Plane Coordinates</u>	Diameter <u>2</u> in. Slot Size <u>0.01</u> in. Screen Length <u>10</u> ft.
N <input type="checkbox"/> X _____ +/- _____ ft.	Type <u>MACHINE SLOTTED</u> Material <u>PVC</u>
S <input type="checkbox"/> Y _____ +/- _____ ft.	Set Between <u>15</u> ft. and <u>5</u> ft.
<u>Latitude, Longitude Coordinates</u>	GRAVEL PACK (Filter Pack)
Latitude: <u>41.49041</u> Longitude: <u>81.6881</u>	Material/Size <u>#7 SILICA SAND</u> Vol/Wt. Used <u>350 LBS.</u>
Elevation of Well in feet: <u>778</u> +/- _____ ft.	Method of Installation <u>Poured (gravity)</u>
Datum Plane: <input type="checkbox"/> NAD27 <input checked="" type="checkbox"/> NAD83 Elevation Source <u>GPS</u>	Depth: Placed From: <u>15</u> ft. To: <u>3.5</u> ft.
Source of Coordinates: <u>GPS</u>	GROUT
Well location written description: <u>INNERBELT STUDY SITE 21</u>	Material <u>Bentonite pellets/chunks</u> Vol/Wt. Used <u>50 LBS.</u>
	Method of Installation <u>Poured (gravity)</u>
	Depth: Placed From: <u>3.5</u> ft. To: <u>2</u> ft.

Comments on water quality/quantity and well construction:

DRILLING LOG*				
FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED.				
Color	Texture	Formation	From	To
		GRAVEL	0	3
		SAND AND GRAVEL	3	15

WELL TEST *

Pre-Pumping Static Level 0 ft. Date _____

Measured from _____

Pumping test method _____

Test Rate _____ gpm Duration of Test _____ hrs.

Feet of Drawdown _____ ft. Sustainable Yield _____ gpm

*(Attach a copy of the pumping test record, per section 1521.05, ORC)

Is Copy Attached? Yes No Flowing Well? Yes No

PUMP/PITLESS

Type of pump _____ Capacity _____ gpm

Pump set at _____ ft. Pitless Type _____

Pump installed by _____

I hereby certify the information given is accurate and correct to the best of my knowledge.

Drilling Firm H.A.D. INC.

Address 9797 RD BENNER

City, State, Zip RITTMAN OH 44270

Signed SUSAN BROMLEY Date 8/15/2006
(Filed Electronically)

ODH Registration Number _____

Aquifer Type (Formation producing the most water.) SAND AND GRAVEL

Date of Well Completion 8/10/2006 Total Depth of Well 15 ft.

Completion of this form is required by section 1521.05, Ohio Revised Code - file within 30 days after completion of drilling. Distribute copies of this record to Customer, and Local Health Department.

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0187020

LOCATION

SITE #21-MW02

County CUYAHOGA Township CLEVELAND Section/Lot Number
Owner/Builder WHITE PROPERTIES

Address of Well Location 1996 WEST 3RD STREET
Number Street Name

City CLEVELAND Zip Code 44113

Property Location Description on the side of road name

Location of Well in either: State Plane OR Latitude/Longitude
Latitude 41.49105 Longitude 81.68734

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other

ORIGINAL WELL ODNR Well Log Number 2004057 Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS Date of measurements 6/03/2009

Depth of Well 17' Static Water Level 10'
Size of Casing 2" Length of casing
Well Condition Good

SEALING PROCEDURE Method of Placement Tremmie Grout

Placement: From 17' To 1' Sealing Material Grout DF Volume 15 Gallons

Was Casing Removed? Yes or No (circle one)

Condition of Casing Good
Perforations: From To

Date Sealing Performed 6/03/2009
Reason(s) for Sealing No Longer Needed

CONTRACTOR Name H.A.D., Inc. ODH Registration #

Address 9797 Benner Road
City/State/Zip Rittman, Ohio 44270

Signature
I hereby certify the information given is accurate and correct to the best of my knowledge.

WELL LOG AND DRILLING REPORT

Well Log Number

DNR 7802.05e

Ohio Department of Natural Resources
 Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
 Voice (614) 265-6740 Fax (614) 265-6767

2004057

Page 1 of 1 for this record.

WELL LOCATION	CONSTRUCTION DETAILS
County <u>CUYAHOGA</u> Township <u>CLEVELAND</u>	Drilling Method: <u>AUGER</u>
<u>WHITE PROPERTIES</u>	BOREHOLE/CASING (Measured from ground surface)
Owner/Builder	1 { Borehole Diameter <u>8.25</u> inches Depth <u>16</u> ft.
<u>1996 W ST 3RD</u>	{ Casing Diameter <u>2</u> in. Length <u>6</u> ft. Thickness <u>0.154</u> in.
Address of Well Location	2 { Borehole Diameter _____ inches Depth _____ ft.
City <u>CLEVELAND</u> Zip Code +4 <u>44113</u>	{ Casing Diameter _____ in. Length _____ ft. Thickness _____ in.
Permit No. _____ Section; _____ and/or Lot No. _____	Casing Height Above Ground _____ ft.
Use of Well <u>MONITOR</u>	Type { 1: <u>PVC</u>
Coordinates of Well (Use only one of the below coordinate systems)	{ 2: _____
State Plane Coordinates	Joints { 1: <u>Threaded</u>
N <input type="checkbox"/> X _____ +/- _____ ft.	{ 2: _____
S <input type="checkbox"/> Y _____ +/- _____ ft.	SCREEN
Latitude, Longitude Coordinates	Diameter <u>2</u> in. Slot Size <u>0.01</u> in. Screen Length <u>10</u> ft.
Latitude: <u>41.49105</u> Longitude: <u>81.68734</u>	Type <u>MACHINE SLOTTED</u> Material <u>PVC</u>
Elevation of Well in feet: _____ +/- _____ ft.	Set Between <u>16</u> ft. and <u>6</u> ft.
Datum Plane: <input type="checkbox"/> NAD27 <input checked="" type="checkbox"/> NAD83 Elevation Source _____	GRAVEL PACK (Filter Pack)
Source of Coordinates: <u>GPS</u>	Material/Size <u>SILICA SAND</u> Vol/Wt. Used <u>400 LBS.</u>
Well location written description:	Method of Installation <u>Poured (gravity)</u>
	Depth: Placed From: <u>16</u> ft. To: <u>5</u> ft.
	GROUT
	Material <u>Bentonite pellets/chunks</u> Vol/Wt. Used <u>100 LBS.</u>
	Method of Installation <u>Poured (gravity)</u>
	Depth: Placed From: <u>5</u> ft. To: <u>1</u> ft.

WELL TEST *	DRILLING LOG*																																																							
Pre-Pumping Static Level <u>0</u> ft. Date _____	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="5" style="text-align: center;">FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED.</th> </tr> <tr> <th style="width: 15%;">Color</th> <th style="width: 15%;">Texture</th> <th style="width: 35%;">Formation</th> <th style="width: 15%;">From</th> <th style="width: 10%;">To</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td style="text-align: center;">FILL MATERIAL</td> <td style="text-align: center;">0</td> <td style="text-align: center;">2</td> </tr> <tr> <td></td> <td></td> <td style="text-align: center;">SAND AND CLAY</td> <td style="text-align: center;">2</td> <td style="text-align: center;">16</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED.					Color	Texture	Formation	From	To			FILL MATERIAL	0	2			SAND AND CLAY	2	16																																			
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	Aquifer Type (Formation producing the most water.) <u>SAND AND CLAY</u>																																																							
	Date of Well Completion <u>7/19/2006</u> Total Depth of Well <u>16</u> ft.																																																							

Completion of this form is required by section 1521.05, Ohio Revised Code - file within 30 days after completion of drilling.
 Distribute copies of this record to Customer, and Local Health Department.

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0180019

LOCATION

SITE #21 MW03

County CUYAHOGA Township CLEVELAND Section/Lot Number

Owner/Builder WHITE PROPERTIES

Address of Well Location 1996 WEST 3RD STREET

City CLEVELAND Zip Code 44113

Property Location Description on the side of road name

Location of Well in either: State Plane OR Latitude/Longitude Latitude 41.49073 Longitude 81.68938

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other

ORIGINAL WELL ODNR Well Log Number 2004520 Copy attached? Yes No

MEASURED CONSTRUCTION DETAILS Date of measurements 6/03/2009

Depth of Well 10' Static Water Level DRY
Size of Casing 2" Length of casing
Well Condition Good

SEALING PROCEDURE Method of Placement Tremmie Grout

Placement: From 10' To 1' Sealing Material Grout DF Volume 5 Gallons

Was Casing Removed? Yes No

Condition of Casing Good

Perforations: From To

Date Sealing Performed 6/03/2009

Reason(s) for Sealing No Longer Needed

CONTRACTOR Name H.A.D., Inc. ODH Registration #

Address 9797 Benner Road

City/State/Zip Rittman, Ohio 44270

Signature

I hereby certify the information given is accurate and correct to the best of my knowledge.

WELL LOG AND DRILLING REPORT

Ohio Department of Natural Resources
 Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
 Voice (614) 265-6740 Fax (614) 265-6767

Well Log Number

2004520

Page 1 of 1 for this record.

WELL LOCATION	CONSTRUCTION DETAILS
---------------	----------------------

County CUYAHOGA Township CLEVELAND

WHITE PROPERTIES

Owner/Builder
 1996 W ST 3RD
 Address of Well Location

City CLEVELAND Zip Code +4 44113

Permit No. _____ Section; _____ and/or Lot No. _____

Use of Well MONITOR

Coordinates of Well (Use only one of the below coordinate systems)
State Plane Coordinates
 N X _____ +/- _____ ft.
 S Y _____ +/- _____ ft.

Latitude, Longitude Coordinates
 Latitude: 41.49073 Longitude: 81.68938

Elevation of Well in feet: 635 +/- _____ ft.

Datum Plane: NAD27 NAD83 Elevation Source GPS

Source of Coordinates: GPS

Well location written description:
INNERBELT STUDY SITE 21 #03

Drilling Method: AUGER

BOREHOLE/CASING (Measured from ground surface)

1 { Borehole Diameter 8.25 inches Depth 10 ft.
 Casing Diameter 2 in. Length 4 ft. Thickness 0.154 in.

2 { Borehole Diameter _____ inches Depth _____ ft.
 Casing Diameter _____ in. Length _____ ft. Thickness _____ in.

Casing Height Above Ground _____ ft.

Type { 1: PVC
 2: _____

Joints { 1: Threaded
 2: _____

SCREEN

Diameter 2 in. Slot Size 0.01 in. Screen Length 6 ft.
 Type MACHINE SLOTTED Material PVC
 Set Between 10 ft. and 4 ft.

GRAVEL PACK (Filter Pack)
 Material/Size #7 SILICA SAND Vol/Wt. Used 200 LBS.
 Method of Installation Poured (gravity)
 Depth: Placed From: 10 ft. To: 3.5 ft.

GROUT
 Material Bentonite pellets/chunks Vol/Wt. Used 50 LBS.
 Method of Installation Poured (gravity)
 Depth: Placed From: 3.5 ft. To: 2 ft.

Comments on water quality/quantity and well construction:

DRILLING LOG*				
FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED.				
Color	Texture	Formation	From	To
		ASPHALT	0	0.5
		CONCRETE	0	2
		SAND AND GRAVEL	2	10

WELL TEST *

Pre-Pumping Static Level 0 ft. Date _____

Measured from _____

Pumping test method _____

Test Rate _____ gpm Duration of Test _____ hrs.

Feet of Drawdown _____ ft. Sustainable Yield _____ gpm

*(Attach a copy of the pumping test record, per section 1521.05, ORC)
 Is Copy Attached? Yes No Flowing Well? Yes No

PUMP/PITLESS

Type of pump _____ Capacity _____ gpm

Pump set at _____ ft. Pitless Type _____

Pump installed by _____

I hereby certify the information given is accurate and correct to the best of my knowledge.

Drilling Firm H.A.D. INC.

Address 9797 RD BENNER

City, State, Zip RITTMAN OH 44270

Signed SUSAN BROMLEY Date 8/15/2006
(Filed Electronically)

ODH Registration Number _____

Aquifer Type (Formation producing the most water.) SAND AND GRAVEL
 Date of Well Completion 8/10/2006 Total Depth of Well 10 ft.

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0180013

LOCATION

SITE #22 MW02

County CUYAHOGA Township CLEVELAND Section/Lot Number
Owner/Builder NOVA PROPERTIES

Address of Well Location WEST FOURTH STREET

City CLEVELAND Zip Code 44113

Property Location Description miles SW of CARNEGIE AVENUE & WEST 3RD STREET

on the S side of CARNEGIE AVENUE

Location of Well in either: State Plane OR Latitude/Longitude
Latitude 41.489328 Longitude 81.690119

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other Map

ORIGINAL WELL ODNR Well Log Number 2004871 Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS Date of measurements 6/03/2009

Depth of Well 9' Static Water Level 5'
Size of Casing 2" Length of casing
Well Condition Good

SEALING PROCEDURE

Method of Placement Tremmie Grout Sealing Material Volume
Placement: From 9' To 1' Grout DF 5 Gallons

Was Casing Removed? Yes or No

Condition of Casing Good
Perforations: From To

Date Sealing Performed 6/03/2009
Reason(s) for Sealing No Longer Needed

CONTRACTOR

Name H.A.D., Inc. ODH Registration #
Address 9797 Benner Road
City/State/Zip Rittman, Ohio 44270

Signature [Signature]
I hereby certify the information given is accurate and correct to the best of my knowledge.

WELL LOG AND DRILLING REPORT
Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

Well Log Number 2004871
Page 1 of 1 for this record.

WELL LOCATION: County CUYAHOGA, Township CLEVELAND, Owner/Builder NOVA PROPERTIES, W ST 4TH, City CLEVELAND, Zip Code 44104, Use of Well MONITOR. COORDINATES OF WELL: State Plane Coordinates N 41.48864, S 81.69112. CONSTRUCTION DETAILS: Drilling Method AUGER, Borehole/Casing 1 Borehole Diameter 8.25 inches, Depth 10 ft., Casing Diameter 2 in., Length 7 ft., Thickness 0.154 in. SCREEN: Diameter 2 in., Slot Size 0.01 in., Screen Length 6 ft., Material PVC. GRAVEL PACK: Material #7 SILICA SAND, Vol/Wt. Used 200 LBS. GROUT: Material Bentonite pellets/chunks, Vol/Wt. Used 70 LBS. DRILLING LOG: FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED. Table with columns: Color, Texture, Formation, From, To. Formations: GRAVEL (0-2 ft), SAND AND GRAVEL (2-10 ft). WELL TEST: Pre-Pumping Static Level 0 ft., Pumping test method, Test Rate, Duration of Test, Feet of Drawdown, Sustainable Yield. PUMP/PITLESS: Type of pump, Capacity, Pump set at, Pitless Type. Signed SUSAN BROMLEY, Date 9/5/2006. Date of Well Completion 8/31/2006, Total Depth of Well 10 ft.

Completion of this form is required by section 1521.05, Ohio Revised Code - file within 30 days after completion of drilling. Distribute copies of this record to Customer, and Local Health Department.

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0187014

LOCATION

SITE #22 MW03

County CUYAHOGA Township CLEVELAND Section/Lot Number
Owner/Builder NOVA PROPERTIES

Address of Well Location WEST FOURTH STREET

City CLEVELAND Zip Code 44113

Property Location Description miles SW of CARNEGIE AVENUE & WEST 3RD STREET

on the S side of CARNEGIE AVENUE

Location of Well in either: State Plane OR Latitude/Longitude
Latitude 41.48825 Longitude 81.69215

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other Map

ORIGINAL WELL ODNR Well Log Number 2004873 Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS Date of measurements 6/03/2009

Depth of Well 14' Static Water Level 5'
Size of Casing 2" Length of casing
Well Condition Good

SEALING PROCEDURE Method of Placement Tremmie Grout

Placement: From 14' To 1' Sealing Material Grout DF Volume 5 Gallons

Was Casing Removed? Yes or No

Condition of Casing Good

Perforations: From To

Date Sealing Performed 6/03/2009

Reason(s) for Sealing No Longer Needed

CONTRACTOR Name H.A.D., Inc. ODH Registration #

Address 9797 Benner Road

City/State/Zip Rittman, Ohio 44270

Signature I hereby certify the information given is accurate and correct to the best of my knowledge.

WELL LOG AND DRILLING REPORT

Well Log Number

2004873

DNR 7802.05e

Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

Page 1 of 1 for this record.

WELL LOCATION	CONSTRUCTION DETAILS																																																												
County <u>CUYAHOGA</u> Township <u>CLEVELAND</u> Owner/Builder <u>NOVA PROPERTIES</u> Address of Well Location <u>W ST 4TH</u> City <u>CLEVELAND</u> Zip Code +4, _____ Permit No. _____ Section; _____ and/or Lot No. _____ Use of Well <u>MONITOR</u> Coordinates of Well (Use only one of the below coordinate systems) State Plane Coordinates N <input type="checkbox"/> X _____ +/- _____ ft. S <input type="checkbox"/> Y _____ +/- _____ ft. Latitude, Longitude Coordinates Latitude: <u>41.48825</u> Longitude: <u>81.69215</u> Elevation of Well in feet: <u>570</u> +/- _____ ft. Datum Plane: <input type="checkbox"/> NAD27 <input checked="" type="checkbox"/> NAD83 Elevation Source <u>GPS</u> Source of Coordinates: <u>GPS</u> Well location written description: <u>INNERBELT STUDY SITE 22 #3</u>	Drilling Method: <u>AUGER</u> BOREHOLE/CASING (Measured from ground surface) 1 { Borehole Diameter <u>8.25</u> inches Depth <u>14</u> ft. { Casing Diameter <u>2</u> in. Length <u>7</u> ft. Thickness <u>0.154</u> in. 2 { Borehole Diameter _____ inches Depth _____ ft. { Casing Diameter _____ in. Length _____ ft. Thickness _____ in. Casing Height Above Ground _____ 3 _____ ft. Type { 1: <u>PVC</u> { 2: _____ Joints { 1: <u>Threaded</u> { 2: _____ SCREEN Diameter <u>2</u> in. Slot Size <u>0.01</u> in. Screen Length <u>10</u> ft. Type <u>MACHINE SLOTTED</u> Material <u>PVC</u> Set Between <u>14</u> ft. and <u>4</u> ft. GRAVEL PACK (Filter Pack) Material/Size <u>#7 SILICA SAND</u> Vol/Wt. Used <u>350 LBS.</u> Method of Installation <u>Poured (gravity)</u> Depth: Placed From: <u>14</u> ft. To: <u>3.5</u> ft. GROUT Material <u>Bentonite pellets/chunks</u> Vol/Wt. Used <u>70 LBS.</u> Method of Installation <u>Poured (gravity)</u> Depth: Placed From: <u>3.5</u> ft. To: <u>2</u> ft.																																																												
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Pre-Pumping Static Level <u>0</u> ft. Date _____ Measured from _____ Pumping test method _____ Test Rate _____ gpm Duration of Test _____ hrs. Feet of Drawdown _____ ft. Sustainable Yield _____ gpm *(Attach a copy of the pumping test record, per section 1521.05, ORC) Is Copy Attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Flowing Well? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																													
PUMP/PITLESS																																																													
Type of pump _____ Capacity _____ gpm Pump set at _____ ft. Pitless Type _____ Pump installed by _____ I hereby certify the information given is accurate and correct to the best of my knowledge. Drilling Firm <u>H.A.D. INC.</u> Address <u>9797 RD BENNER</u> City, State, Zip <u>RITTMAN OH 44270</u> Signed <u>SUSAN BROMLEY</u> Date <u>9/5/2006</u> (Filed Electronically)																																																													
ODH Registration Number _____	Aquifer Type (Formation producing the most water.) <u>SAND</u> Date of Well Completion <u>8/31/2006</u> Total Depth of Well <u>14</u> ft.																																																												

Completion of this form is required by section 1521.05, Ohio Revised Code - file within 30 days after completion of drilling.
Distribute copies of this record to Customer, and Local Health Department.

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0180015

LOCATION

SITE #22 MW04

County CLYAHOGA Township CLEVELAND Section/Lot Number
Owner/Builder NOVA PROPERTIES

Address of Well Location WEST FOURTH STREET

City CLEVELAND Zip Code 44113

Property Location Description miles SW of CARNEGIE AVENUE & WEST 3RD STREET

on the S side of CARNEGIE AVENUE

Location of Well in either: State Plane OR Latitude/Longitude
Latitude 41.489194 Longitude 81.693252

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other Map

ORIGINAL WELL ODNR Well Log Number 2004876 Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS Date of measurements 6/03/2009

Depth of Well 13' Static Water Level 5'
Size of Casing 2" Length of casing
Well Condition Good

SEALING PROCEDURE Method of Placement Tremmie Grout

Placement: From 13' To 1' Sealing Material Grout DF Volume 5 Gallons

Was Casing Removed? Yes or No

Condition of Casing Good
Perforations: From To

Date Sealing Performed 6/03/2009
Reason(s) for Sealing No Longer Needed

CONTRACTOR Name H.A.D., Inc. Address 9797 Benner Road City/State/Zip Rittman, Ohio 44270

Signature I hereby certify the information given is accurate and correct to the best of my knowledge.

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0180016

LOCATION

SITE #22 MW05

County CUYAHOGA Township CLEVELAND Section/Lot Number
Owner/Builder NOVA PROPERTIES
Circle One or Both

Address of Well Location WEST FOURTH STREET
Number Street Name

City CLEVELAND Zip Code 44113

Property Location Description miles SW of CARNEGIE AVENUE & WEST 3RD STREET
n, e, s, w nearest intersection

on the S side of CARNEGIE AVENUE
n, e, s, w road name

Location of Well in either: State Plane OR Latitude/Longitude
N S X In Decimal Degrees Degrees Minutes Degrees Min. Sec.
Latitude 41.486813 Longitude 81.690590

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other Map

ORIGINAL WELL ODNR Well Log Number 2004874 Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS Date of measurements 6/03/2009

Depth of Well 10' Static Water Level 5'
Size of Casing 2" Length of casing
Well Condition Good

SEALING PROCEDURE Method of Placement Tremmie Grout

Placement: From 10' To 1' Sealing Material Grout DF Volume 5 Gallons

Was Casing Removed? Yes or No (circle one)

Condition of Casing Good
Perforations: From To

Date Sealing Performed 6/03/2009
Reason(s) for Sealing No Longer Needed

CONTRACTOR Name H.A.D., Inc. ODH Registration #

Address 9797 Benner Road
City/State/Zip Rittman, Ohio 44270

Signature
I hereby certify the information given is accurate and correct to the best of my knowledge.

WELL LOG AND DRILLING REPORT

Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

2004874

WELL LOCATION	CONSTRUCTION DETAILS
---------------	----------------------

County CUYAHOGA Township CLEVELAND

NOVA PROPERTIES

Owner/Builder
W ST 4TH
Address of Well Location

City CLEVELAND Zip Code +4 _____

Permit No. _____ Section; _____ and/or Lot No. _____

Use of Well MONITOR

Coordinates of Well (Use only one of the below coordinate systems)

State Plane Coordinates

N X _____ +/- _____ ft.
S Y _____ +/- _____ ft.

Latitude, Longitude Coordinates

Latitude: 41.48715 Longitude: 81.69106

Elevation of Well in feet: 605 +/- _____ ft.

Datum Plane: NAD27 NAD83 Elevation Source GPS

Source of Coordinates: GPS

Well location written description:
INNERBELT STUDY SITE 22

#5

Comments on water quality/quantity and well construction:

Drilling Method: AUGER

BOREHOLE/CASING (Measured from ground surface)

1 { Borehole Diameter 8.25 inches Depth 10 ft.
Casing Diameter 2 in. Length 7 ft. Thickness 0.154 in.

2 { Borehole Diameter _____ inches Depth _____ ft.
Casing Diameter _____ in. Length _____ ft. Thickness _____ in.

Casing Height Above Ground 3 ft.

Type { 1: PVC
2: _____

Joints { 1: Threaded
2: _____

SCREEN

Diameter 2 in. Slot Size 0.01 in. Screen Length 6 ft.

Type MACHINE SLOTTED Material PVC

Set Between 10 ft. and 4 ft.

GRAVEL PACK (Filter Pack)

Material/Size #7 SILICA SAND Vol/Wt. Used 200 LBS.

Method of Installation Poured (gravity)

Depth: Placed From: 10 ft. To: 3.5 ft.

GROUT

Material Bentonite pellets/chunks Vol/Wt. Used 70 LBS.

Method of Installation Poured (gravity)

Depth: Placed From: 3.5 ft. To: 2 ft.

WELL TEST *

Pre-Pumping Static Level 0 ft. Date _____

Measured from _____

Pumping test method _____

Test Rate _____ gpm Duration of Test _____ hrs.

Feet of Drawdown _____ ft. Sustainable Yield _____ gpm

*(Attach a copy of the pumping test record, per section 1521.05, ORC)

Is Copy Attached? Yes No Flowing Well? Yes No

PUMP/PITLESS

Type of pump _____ Capacity _____ gpm

Pump set at _____ ft. Pitless Type _____

Pump installed by _____

I hereby certify the information given is accurate and correct to the best of my knowledge.

Drilling Firm H.A.D. INC.

Address 9797 RD BENNER

City, State, Zip RITTMAN OH 44270

Signed SUSAN BROMLEY Date 9/5/2006
(Filed Electronically)

ODH Registration Number _____

DRILLING LOG*

FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED.

Color	Texture	Formation	From	To
		GRAVEL	0	3
	SILTY	SAND	3	10

Aquifer Type (Formation producing the most water.) SAND

Date of Well Completion 9/1/2006 Total Depth of Well 10 ft.

Completion of this form is required by section 1521.05, Ohio Revised Code - file within 30 days after completion of drilling. Distribute copies of this record to Customer, and Local Health Department.

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0180002

LOCATION

SITE #23 MW01

County CUYAHOGA Township CLEVELAND Section/Lot Number
Circle One or Both

Owner/Builder NS RAILROAD BUILDING
Circle One or Both

Address of Well Location 840 MINKON LANE
Number Street Name

City CLEVELAND Zip Code 44113

Property Location Description _____ miles _____ of _____ nearest intersection

on the E side of COMMERCIAL ROAD
n, e, s, w road name

Location of Well in either: State Plane OR Latitude/Longitude
Check ONE In Decimal Degrees Degrees Minutes Degrees Min. Sec.
Latitude 41.49017 Longitude 81.68456

Elevation of Well _____ +/- _____ ft. or m Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other Map

ORIGINAL WELL ODNR Well Log Number 2003932 Copy attached? Yes No

MEASURED CONSTRUCTION DETAILS Date of measurements 6/01/2009

Depth of Well 19' Static Water Level 18'
Size of Casing 2" Length of casing
Well Condition Good

SEALING PROCEDURE Method of Placement Tremmie Grout

Placement: From 19' To 1' Sealing Material Grout DF Volume 10 Gallons

Was Casing Removed? Yes or No (circle one)

Condition of Casing Good

Perforations: From _____ To _____
From _____ To _____

Date Sealing Performed 6/01/2009

Reason(s) for Sealing No Longer Needed

CONTRACTOR Name H.A.D., Inc. ODH Registration #

Address 9797 Benner Road

City/State/Zip Rittman, Ohio 44270

Signature [Signature]
I hereby certify the information given is accurate and correct to the best of my knowledge.

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0180003

LOCATION

SITE #23 MW02

County CUYAHOGA Township CLEVELAND Section/Lot Number
Owner/Builder NS RAILROAD BUILDING
Circle One or Both

Address of Well Location 840 MINKON LANE
Number Street Name

City CLEVELAND Zip Code 44113

Property Location Description on the E side of COMMERCIAL ROAD
n, e, s, w of nearest intersection road name

Location of Well in either: State Plane OR Latitude/Longitude
Latitude 41.490333 Longitude 81.68503

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other Map

ORIGINAL WELL ODNR Well Log Number 2003933 Copy attached? Yes No

MEASURED CONSTRUCTION DETAILS

Date of measurements 6/01/2009

Depth of Well 20' Static Water Level 19'
Size of Casing 2" Length of casing
Well Condition Good

SEALING PROCEDURE

Method of Placement Tremmie Grout
Placement: From 20' To 1' Sealing Material Grout DF Volume 10 Gallons

Was Casing Removed? Yes or No

Condition of Casing Good
Perforations: From To

Date Sealing Performed 6/01/2009
Reason(s) for Sealing No Longer Needed

CONTRACTOR

Name H.A.D., Inc. ODH Registration #
Address 9797 Benner Road
City/State/Zip Rittman, Ohio 44270

Signature [Signature]
I hereby certify the information given is accurate and correct to the best of my knowledge.

WELL LOG AND DRILLING REPORT

Well Log Number

DNR 7802.05e

Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

2003933

Page 1 of 1 for this record.

WELL LOCATION	CONSTRUCTION DETAILS																																																																																															
County <u>CUYAHOGA</u> Township <u>CLEVELAND</u> Owner/Builder <u>NS RAILROAD BUILDING</u> Address of Well Location <u>840 MINKON AVE</u> City <u>CLEVELAND</u> Zip Code +4 <u>44113</u> Permit No. _____ Section; _____ and/or Lot No. _____ Use of Well <u>MONITOR</u> Coordinates of Well (Use only one of the below coordinate systems) State Plane Coordinates N <input type="checkbox"/> X _____ +/- _____ ft. S <input type="checkbox"/> Y _____ +/- _____ ft. Latitude, Longitude Coordinates Latitude: <u>41.49132</u> Longitude: <u>81.68695</u> Elevation of Well in feet: _____ +/- _____ ft. Datum Plane: <input type="checkbox"/> NAD27 <input checked="" type="checkbox"/> NAD83 Elevation Source _____ Source of Coordinates: <u>GPS</u> Well location written description: <u>INNERBELT STUDY SITE #23, WELL #2</u>	Drilling Method: <u>AUGER</u> BOREHOLE/CASING (Measured from ground surface) 1 { Borehole Diameter <u>8.25</u> inches Depth <u>28</u> ft. Casing Diameter <u>2</u> in. Length <u>18</u> ft. Thickness <u>0.154</u> in. 2 { Borehole Diameter _____ inches Depth _____ ft. Casing Diameter _____ in. Length _____ ft. Thickness _____ in. Casing Height Above Ground _____ ft. Type { 1: <u>PVC</u> 2: _____ Joints { 1: <u>Threaded</u> 2: _____ SCREEN Diameter <u>2</u> in. Slot Size <u>0.01</u> in. Screen Length <u>10</u> ft. Type <u>MACHINE SLOTTED</u> Material <u>PVC</u> Set Between <u>28</u> ft. and <u>18</u> ft. GRAVEL PACK (Filter Pack) Material/Size <u>SILICA SAND</u> Vol/Wt. Used <u>400</u> LBS. Method of Installation <u>Poured (gravity)</u> Depth: Placed From: <u>28</u> ft. To: <u>16</u> ft. GROUT Material <u>Bentonite pellets/chunks</u> Vol/Wt. Used <u>350</u> LBS Method of Installation <u>Poured (gravity)</u> Depth: Placed From: <u>16</u> ft. To: <u>2</u> ft.																																																																																															
Comments on water quality/quantity and well construction: 	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="5" style="text-align: center;">DRILLING LOG*</th> </tr> <tr> <th colspan="5" style="text-align: center;">FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED.</th> </tr> <tr> <th style="width: 15%;">Color</th> <th style="width: 15%;">Texture</th> <th style="width: 50%;">Formation</th> <th style="width: 10%;">From</th> <th style="width: 10%;">To</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>FILL MATERIAL</td> <td style="text-align: center;">0</td> <td style="text-align: center;">5</td> </tr> <tr> <td></td> <td></td> <td>SAND</td> <td style="text-align: center;">5</td> <td style="text-align: center;">15</td> </tr> <tr> <td></td> <td></td> <td>CLAY</td> <td style="text-align: center;">15</td> <td style="text-align: center;">30</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	DRILLING LOG*					FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED.					Color	Texture	Formation	From	To			FILL MATERIAL	0	5			SAND	5	15			CLAY	15	30																																																																	
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WELL TEST * Pre-Pumping Static Level <u>0</u> ft. Date _____ Measured from _____ Pumping test method _____ Test Rate _____ gpm Duration of Test _____ hrs. Feet of Drawdown _____ ft. Sustainable Yield _____ gpm *(Attach a copy of the pumping test record, per section 1521.05, ORC) Is Copy Attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Flowing Well? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																																																
PUMP/PITLESS Type of pump _____ Capacity _____ gpm Pump set at _____ ft. Pitless Type _____ Pump installed by _____ I hereby certify the information given is accurate and correct to the best of my knowledge. Drilling Firm <u>H.A.D. INC.</u> Address <u>9797 BENNER RD</u> City, State, Zip <u>RITTMAN OH 44270</u> Signed <u>SUSAN BROMLEY</u> Date <u>7/18/2006</u> (Filed Electronically)	Aquifer Type (Formation producing the most water.) <u>SAND</u> Date of Well Completion <u>7/13/2006</u> Total Depth of Well <u>30</u> ft.																																																																																															
ODH Registration Number _____																																																																																																

Completion of this form is required by section 1521.05, Ohio Revised Code - file within 30 days after completion of drilling.
Distribute copies of this record to Customer, and Local Health Department.

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0180001

LOCATION

SITE #23 MW03

County CUYAHOGA Township CLEVELAND Section/Lot Number
Owner/Builder NS RAILROAD BUILDING

Address of Well Location 840 MINKON LANE
Number Street Name

City CLEVELAND Zip Code 44113

Property Location Description on the E side of COMMERCIAL ROAD

Location of Well in either: State Plane OR Latitude/Longitude
Latitude 41.49084 Longitude 81.68523

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other Map

ORIGINAL WELL ODNR Well Log Number 2004009 Copy attached? Yes No

MEASURED CONSTRUCTION DETAILS Date of measurements 6/01/2009

Depth of Well 25' Static Water Level 20'
Size of Casing 2" Length of casing
Well Condition Good

SEALING PROCEDURE

Method of Placement Tremmie Grout
Placement: From 22' To 1' Sealing Material Grout DF Volume 15 Gallons

Was Casing Removed? Yes or No

Condition of Casing Good
Perforations: From To

Date Sealing Performed 6/01/2009
Reason(s) for Sealing No Longer Needed

CONTRACTOR

Name H.A.D., Inc. ODH Registration #
Address 9797 Benner Road
City/State/Zip Rittman, Ohio 44270

Signature [Handwritten Signature]
hereby certify the information given is accurate and correct to the best of my knowledge.

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0180004

LOCATION

SITE #23 MW04

County CUYAHOGA Township CLEVELAND Section/Lot Number
Owner/Builder NS RAILROAD BUILDING
Circle One or Both

Address of Well Location 840 MINKON LANE
Number Street Name

City CLEVELAND Zip Code 44113

Property Location Description
on the E side of COMMERCIAL ROAD
n, e, s, w road name

Location of Well in either: State Plane OR Latitude/Longitude
Check ONE In Decimal Degrees Degrees Minutes Degrees Min. Sec.
Latitude 41.490712 Longitude 81.684664

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other Map

ORIGINAL WELL ODNR Well Log Number 2004005 Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS Date of measurements 6/02/2009

Depth of Well 18' Static Water Level 18'
Size of Casing 2" Length of casing
Well Condition Good

SEALING PROCEDURE Method of Placement Tremmie Grout

Placement: From 18' To 1' Sealing Material Grout DF Volume 5 Gallons

Was Casing Removed? Yes or No

Condition of Casing Good
Perforations: From To

Date Sealing Performed 6/02/2009
Reason(s) for Sealing No Longer Needed

CONTRACTOR Name H.A.D., Inc. ODH Registration #

Address 9797 Benner Road
City/State/Zip Rittman, Ohio 44270

Signature [Signature]
I hereby certify the information given is accurate and correct to the best of my knowledge.

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0180005

LOCATION

SITE #24 MW01

County CUYAHOGA Township CLEVELAND Section/Lot Number
Owner/Builder JAMES VINCENT
Circle One or Both

Address of Well Location 2515 CANAL ROAD
Number Street Name

City CLEVELAND Zip Code 44113

Property Location Description miles of nearest intersection

on the E side of COMMERCIAL ROAD road name

Location of Well in either: State Plane OR Latitude/Longitude
Check ONE In Decimal Degrees Degrees Minutes Degrees Min. Sec.
Latitude 41.490228 Longitude 81.685750

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other Map

ORIGINAL WELL ODNR Well Log Number 2004058 Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS Date of measurements 6/02/2009

Depth of Well 15' Static Water Level DRY
Size of Casing 2" Length of casing
Well Condition Good

SEALING PROCEDURE Method of Placement Tremmie Grout

Placement: From 15' To 1' Sealing Material Grout DF Volume 5 Gallons

Was Casing Removed? Yes or No (circle one)

Condition of Casing Good

Perforations: From To From To

Date Sealing Performed 6/02/2009

Reason(s) for Sealing No Longer Needed

CONTRACTOR Name H.A.D., Inc. ODH Registration #

Address 9797 Benner Road

City/State/Zip Rittman, Ohio 44270

Signature [Signature] I hereby certify the information given is accurate and correct to the best of my knowledge.

WELL LOG AND DRILLING REPORT

Ohio Department of Natural Resources
 Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
 Voice (614) 265-6740 Fax (614) 265-6767

Well Log Number

2004058

Page 1 of 1 for this record.

WELL LOCATION	CONSTRUCTION DETAILS																																																																																																																			
County <u>CUYAHOGA</u> Township <u>CLEVELAND</u>	Drilling Method: <u>AUGER</u>																																																																																																																			
Owner/Builder <u>JAMES VINCENT</u>	BOREHOLE/CASING (Measured from ground surface)																																																																																																																			
Address of Well Location <u>2515 CANAL RD</u>	1 { Borehole Diameter <u>8.25</u> inches Depth <u>15</u> ft. { Casing Diameter <u>2</u> in. Length <u>15</u> ft. Thickness <u>0.154</u> in.																																																																																																																			
City <u>CLEVELAND</u> Zip Code +4 <u>44113</u>	2 { Borehole Diameter _____ inches Depth _____ ft. { Casing Diameter _____ in. Length _____ ft. Thickness _____ in.																																																																																																																			
Permit No. _____ Section; _____ and/or Lot No. _____	Casing Height Above Ground _____ ft.																																																																																																																			
Use of Well <u>MONITOR</u>	Type { 1: <u>PVC</u> 2: _____																																																																																																																			
Coordinates of Well (Use only one of the below coordinate systems)	Joins { 1: <u>Threaded</u> 2: _____																																																																																																																			
State Plane Coordinates	SCREEN																																																																																																																			
N <input type="checkbox"/> X _____ +/- _____ ft.	Diameter <u>2</u> in. Slot Size <u>0.01</u> in. Screen Length <u>10</u> ft.																																																																																																																			
S <input type="checkbox"/> Y _____ +/- _____ ft.	Type <u>MACHINE SLOTTED</u> Material <u>PVC</u>																																																																																																																			
Latitude, Longitude Coordinates	Set Between <u>15</u> ft. and <u>5</u> ft.																																																																																																																			
Latitude: <u>41.489916</u> Longitude: <u>81.685652</u>	GRAVEL PACK (Filter Pack)																																																																																																																			
Elevation of Well in feet: _____ +/- _____ ft.	Material/Size <u>SILICA SAND</u> Vol/Wt. Used <u>400 LBS.</u>																																																																																																																			
Datum Plane: <input type="checkbox"/> NAD27 <input type="checkbox"/> NAD83 Elevation Source _____	Method of Installation <u>Poured (gravity)</u>																																																																																																																			
Source of Coordinates: <u>MAP-OTHERS</u>	Depth: Placed From: <u>15</u> ft. To: <u>4</u> ft.																																																																																																																			
Well location written description: <u>INNERBELT STUDY SITE 24</u> <u>MW01</u> <u>41.490228</u> <u>-81.685750</u>	GROUT																																																																																																																			
	Material <u>Bentonite pellets/chunks</u> Vol/Wt. Used <u>100 LBS.</u>																																																																																																																			
	Method of Installation <u>Poured (gravity)</u>																																																																																																																			
	Depth: Placed From: <u>4</u> ft. To: <u>1</u> ft.																																																																																																																			
Comments on water quality/quantity and well construction:	DRILLING LOG*																																																																																																																			
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	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;">Color</th> <th style="width: 20%;">Texture</th> <th style="width: 10%;">Formation</th> <th style="width: 5%;">From</th> <th style="width: 5%;">To</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>FILL MATERIAL</td> <td>0</td> <td>2</td> </tr> <tr> <td></td> <td></td> <td>SAND AND CLAY</td> <td>2</td> <td>15</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	Color	Texture	Formation	From	To			FILL MATERIAL	0	2			SAND AND CLAY	2	15																																																																																																				
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Address <u>9797 BENNER RD</u>																																																																																																																				
City, State, Zip <u>RITTMAN OH 44270</u>																																																																																																																				
Signed <u>SUSAN BROMLEY</u> Date <u>7/25/2006</u>																																																																																																																				
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ODH Registration Number _____	Aquifer Type (Formation producing the most water.) <u>SAND AND CLAY</u>																																																																																																																			
	Date of Well Completion <u>7/18/2006</u> Total Depth of Well <u>15</u> ft.																																																																																																																			

Completion of this form is required by section 1521.05, Ohio Revised Code - file within 30 days after completion of drilling.
 Distribute copies of this record to Customer, and Local Health Department.

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0187006

LOCATION

SITE #24 MW02

County CUYAHOGA Township CLEVELAND Section/Lot Number
Owner/Builder JAMES VINCENT

Address of Well Location 2515 CANAL ROAD
Number Street Name

City CLEVELAND Zip Code 44113

Property Location Description on the E side of COMMERCIAL ROAD
n, e, s, w road name

Location of Well in either: State Plane OR Latitude/Longitude
Latitude 41.489949 Longitude 81.685533

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other Map

ORIGINAL WELL ODNR Well Log Number 2004059 Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS Date of measurements 6/02/2009

Depth of Well 28' Static Water Level DRY
Size of Casing 2" Length of casing
Well Condition Good

SEALING PROCEDURE Method of Placement Tremmie Grout

Placement: From 28' To 1' Sealing Material Grout DF Volume 18 Gallons

Was Casing Removed? Yes or No (circle one)

Condition of Casing Good
Perforations: From To

Date Sealing Performed 6/02/2009
Reason(s) for Sealing No Longer Needed

CONTRACTOR Name H.A.D., Inc. Address 9797 Benner Road City/State/Zip Rittman, Ohio 44270

Signature [Signature] I hereby certify the information given is accurate and correct to the best of my knowledge.

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0180007

LOCATION

SITE #24 MW03

County CUYAHOGA Township CLEVELAND Section/Lot Number
Owner/Builder JAMES VINCENT

Address of Well Location 2515 CANAL ROAD
Number Street Name

City CLEVELAND Zip Code 44113

Property Location Description miles of nearest intersection

on the E side of COMMERCIAL ROAD road name

Location of Well in either: State Plane OR Latitude/Longitude
Check ONE In Decimal Degrees Degrees Minutes Degrees Min. Sec.
Latitude 41.489887 Longitude 81.685155

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other Map

ORIGINAL WELL ODNR Well Log Number 2004060 Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS Date of measurements 6/02/2009

Depth of Well 16' Static Water Level DRY
Size of Casing 2" Length of casing
Well Condition Good

SEALING PROCEDURE

Method of Placement Tremmie Grout Sealing Material Volume
Placement: From 16' To 1' Grout DF 5 Gallons

Was Casing Removed? Yes or No (circle one)

Condition of Casing Good
Perforations: From To

Date Sealing Performed 6/02/2009
Reason(s) for Sealing No Longer Needed

CONTRACTOR

Name H.A.D., Inc. ODH Registration #
Address 9797 Benner Road
City/State/Zip Rittman, Ohio 44270

Signature [Signature]
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WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0187008

LOCATION

SITE #27 MW01

County CUYAHOGA Township CLEVELAND Section/Lot Number
Owner/Builder MERIDIAN PROPERTIES/INDEPENDENT TOWER
Circle One or Both

Address of Well Location 1802 CENTRAL AVENUE
Number Street Name

City CLEVELAND Zip Code 44113

Property Location Description miles S of EAST 18TH STREET & CENTRAL AVENUE
n, e, s, w nearest intersection

on the S side of CENTRAL AVENUE
n, e, s, w road name

Location of Well in either: State Plane OR Latitude/Longitude
Check ONE In Decimal Degrees Degrees Minutes Degrees Min. Sec.
Latitude 41.496605 Longitude 81.677678

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other Map

ORIGINAL WELL ODNR Well Log Number 2004061 Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS

Date of measurements 6/02/2009

Depth of Well 25' Static Water Level DRY
Size of Casing 2" Length of casing
Well Condition Good

SEALING PROCEDURE

Method of Placement Tremmie Grout
Placement: From 25' To 1' Sealing Material Grout DF Volume 15 Gallons

Was Casing Removed? Yes or No (circle one)

Condition of Casing Good
Perforations: From To

Date Sealing Performed 6/02/2009
Reason(s) for Sealing No Longer Needed

CONTRACTOR

Name H.A.D., Inc. ODH Registration #
Address 9797 Benner Road
City/State/Zip Rittman, Ohio 44270

Signature [Handwritten Signature]
I hereby certify the information given is accurate and correct to the best of my knowledge.

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0180010

LOCATION

SITE #27 MW03

County CUYAHOGA Township CLEVELAND Section/Lot Number
Owner/Builder MERIDIAN PROPERTIES/INDEPENDENT TOWELL

Address of Well Location 1802 CENTRAL AVENUE
Number Street Name

City CLEVELAND Zip Code 44113

Property Location Description miles S of EAST 18TH STREET & CENTRAL AVENUE
nearest intersection

on the S side of CENTRAL AVENUE
road name

Location of Well in either: State Plane OR Latitude/Longitude
Latitude 41.496998 Longitude 81.676786

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other Map

ORIGINAL WELL ODNR Well Log Number 2004066 Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS

Date of measurements 6/02/2009

Depth of Well 19' Static Water Level DRY
Size of Casing 2" Length of casing
Well Condition Good

SEALING PROCEDURE

Method of Placement Tremmie Grout
Placement: From 19' To 1' Sealing Material Grout DF Volume 5 Gallons

Was Casing Removed? Yes or No (circle one)

Condition of Casing Good
Perforations: From To

Date Sealing Performed 6/02/2009
Reason(s) for Sealing No Longer Needed

CONTRACTOR

Name H.A.D., Inc. ODH Registration #
Address 9797 Benner Road
City/State/Zip Rittman, Ohio 44270

Signature [Signature]
I hereby certify the information given is accurate and correct to the best of my knowledge.

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
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0180012

LOCATION

SIDE #27 MW04

County CUYAHOGA Township CLEVELAND Section/Lot Number MERIDIAN PROPERTIES/INDEPENDENT TOWELL

Address of Well Location 1802 CENTRAL AVENUE
Number Street Name

City CLEVELAND Zip Code 44113

Property Location Description miles S of EAST 18TH STREET & CENTRAL AVENUE
n, e, s, w nearest intersection

on the S side of CENTRAL AVENUE
n, e, s, w road name

Location of Well in either: State Plane OR Latitude/Longitude
Latitude 41.497443 Longitude 81.677796

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other Map

ORIGINAL WELL ODNR Well Log Number 2004062 Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS

Date of measurements 6/02/2009

Depth of Well 18' Static Water Level DRY
Size of Casing 2" Length of casing
Well Condition Good

SEALING PROCEDURE

Method of Placement Tremmie Grout

Placement: From 18' To 1' Sealing Material Grout DF Volume 5 Gallons

Was Casing Removed? Yes or No (circle one)

Condition of Casing Good

Perforations: From To From To

Date Sealing Performed 6/02/2009

Reason(s) for Sealing No Longer Needed

CONTRACTOR

Name H.A.D., Inc. ODH Registration #
Address 9797 Benner Road
City/State/Zip Rittman, Ohio 44270

Signature [Signature]
I hereby certify the information given is accurate and correct to the best of my knowledge.

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0179990

LOCATION

SITE #33 MW01

County CUYAHOGA Township CLEVELAND Section/Lot Number
Owner/Builder STATE INDUSTRIAL PRODUCTS

Address of Well Location 3100 HAMILTON AVENUE
Number Street Name

City CLEVELAND Zip Code 44114

Property Location Description on the side of road name
n, e, s, w nearest intersection

Location of Well in either: State Plane OR Latitude/Longitude
Check ONE In Decimal Degrees Degrees Minutes Degrees Min. Sec.

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other

ORIGINAL WELL ODNR Well Log Number 2004334 Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS Date of measurements 6/11/2009

Depth of Well 17' Static Water Level 4'
Size of Casing 2" Length of casing 7'
Well Condition Good

SEALING PROCEDURE Method of Placement POURED

Placement: From 17' To 1' Sealing Material BENTONITE HOLE PLUG Volume 50 LBS

Was Casing Removed? Yes or No (circle one)

Condition of Casing Good

Perforations: From To

Date Sealing Performed 6/11/2009

Reason(s) for Sealing No Longer Needed

CONTRACTOR Name H.A.D., Inc. ODH Registration #
Address 9797 Benner Road
City/State/Zip Rittman, Ohio 44270

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WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0179988

LOCATION

SITE #33 MW02

County CUYAHOGA Township CLEVELAND Section/Lot Number
Circle One or Both

Owner/Builder STATE INDUSTRIAL PRODUCTS
Circle One or Both

Address of Well Location 3100 HAMILTON AVENUE
Number Street Name

City CLEVELAND Zip Code 44114

Property Location Description miles of nearest intersection
n, e, s, w

on the side of road name
n, e, s, w

Location of Well in either: State Plane OR Latitude/Longitude
N S X +/- ft. or m Y +/- ft. or m
Check ONE In Decimal Degrees Degrees Minutes Degrees Min. Sec.
Latitude Longitude

Elevation of Well +/- ft. or m Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other

ORIGINAL WELL ODNR Well Log Number 2004336 Copy attached? Yes or No
(circle one)

MEASURED CONSTRUCTION DETAILS Date of measurements 6/11/2009

Depth of Well 15' Static Water Level 4'
Size of Casing 2" Length of casing 5'
Well Condition Good

SEALING PROCEDURE Method of Placement POURED

Placement: From 15' To 1' Sealing Material BENTONITE HOLE PLUG Volume 50 LBS
From To
From To

Was Casing Removed? Yes or No
(circle one)

Condition of Casing Good

Perforations: From To
From To

Date Sealing Performed 6/11/2009

Reason(s) for Sealing No Longer Needed

CONTRACTOR Name H.A.D., Inc. ODH Registration #

Address 9797 Benner Road

City/State/Zip Rittman, Ohio 44270

Signature [Signature]
I hereby certify the information given is accurate and correct to the best of my knowledge.

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0179989

LOCATION

SITE #33 MW03

County CUYAHOGA Township CLEVELAND Section/Lot Number
Owner/Builder STATE INDUSTRIAL PRODUCTS

Address of Well Location 3100 HAMILTON AVENUE
Number Street Name

City CLEVELAND Zip Code 44114

Property Location Description miles of nearest intersection

on the side of road name

Location of Well in either: State Plane OR Latitude/Longitude
N S X Y
Check ONE In Decimal Degrees Degrees Minutes Degrees Min. Sec.
Latitude Longitude

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other

ORIGINAL WELL ODNR Well Log Number 2004340 Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS Date of measurements 6/11/2009

Depth of Well 15' Static Water Level 4'
Size of Casing 2" Length of casing 5'
Well Condition Good

SEALING PROCEDURE POURED

Method of Placement POURED
Placement: From 15' To 1' Sealing Material BENTONITE HOLE PLUG Volume 50 LBS

Was Casing Removed? Yes or No (circle one)

Condition of Casing Good

Perforations: From To

Date Sealing Performed 6/11/2009

Reason(s) for Sealing No Longer Needed

CONTRACTOR

Name H.A.D., Inc. ODH Registration #
Address 9797 Benner Road
City/State/Zip Rittman, Ohio 44270

Signature
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WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0179987

LOCATION

SITE #33 MW04

County CUYAHOGA Township CLEVELAND Section/Lot Number
Owner/Builder STATE INDUSTRIAL PRODUCTS

Address of Well Location 3100 HAMILTON AVENUE
Number Street Name

City CLEVELAND Zip Code 44114

Property Location Description on the side of road name

Location of Well in either: State Plane OR Latitude/Longitude
Check ONE In Decimal Degrees Degrees Minutes Degrees Min. Sec.
Latitude 41.51469 Longitude 81.67073

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other

ORIGINAL WELL ODNR Well Log Number 2004345 Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS Date of measurements 6/11/2009

Depth of Well 16' Static Water Level 5'
Size of Casing 2" Length of casing 6'
Well Condition Good

SEALING PROCEDURE

Method of Placement POURED
Placement: From 16' To 1' Sealing Material BENTONITE HOLE PLUG Volume 50 LBS

Was Casing Removed? Yes or No (circle one)

Condition of Casing Good
Perforations: From To

Date Sealing Performed 6/11/2009
Reason(s) for Sealing No Longer Needed

CONTRACTOR Name H.A.D., Inc. ODH Registration #
Address 9797 Benner Road
City/State/Zip Rittman, Ohio 44270

Signature
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WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0179994

LOCATION

SITE #33 MW05

County CUYAHOGA Township CLEVELAND Section/Lot Number
Owner/Builder STATE INDUSTRIAL PRODUCTS

Address of Well Location 3100 HAMILTON AVENUE
Number Street Name

City CLEVELAND Zip Code 44114

Property Location Description miles of nearest intersection

on the side of road name

Location of Well in either: State Plane OR Latitude/Longitude
N S X Y
Check ONE In Decimal Degrees Degrees Minutes Degrees Min. Sec.
Latitude Longitude

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other

ORIGINAL WELL ODNR Well Log Number 2004346 Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS Date of measurements 6/11/2009

Depth of Well 23' Static Water Level 5'
Size of Casing 2" Length of casing 13'
Well Condition Good

SEALING PROCEDURE TREMMIE GROUT

Method of Placement Sealing Material Volume
Placement: From 23' To 1' GROUT DF 7 GALLONS

Was Casing Removed? Yes or No (circle one)
Good

Condition of Casing
Perforations: From To

Date Sealing Performed 6/11/2009
Reason(s) for Sealing No Longer Needed

CONTRACTOR Name H.A.D., Inc. Address 9797 Benner Road City/State/Zip Rittman, Ohio 44270

Signature I hereby certify the information given is accurate and correct to the best of my knowledge.

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0179992

LOCATION

SITE #33 MW06

County CUYAHOGA Township CLEVELAND Section/Lot Number
Owner/Builder STATE INDUSTRIAL PRODUCTS

Address of Well Location 3100 HAMILTON AVENUE
Number Street Name

City CLEVELAND Zip Code 44114

Property Location Description miles of nearest intersection
on the side of road name

Location of Well in either: State Plane OR Latitude/Longitude
Check ONE In Decimal Degrees Degrees Minutes Degrees Min. Sec.
Latitude Longitude

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other

ORIGINAL WELL ODNR Well Log Number 2004353 Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS Date of measurements 6/11/2009

Depth of Well 23' Static Water Level 5'
Size of Casing 2" Length of casing 13'
Well Condition Good

SEALING PROCEDURE Method of Placement TREMMIE GROUT

Placement: From 23' To 1' Sealing Material GROUT DF Volume 7 GALLONS

Was Casing Removed? Yes or No (circle one)

Condition of Casing Good

Perforations: From To From To

Date Sealing Performed 6/11/2009
Reason(s) for Sealing No Longer Needed

CONTRACTOR Name H.A.D., Inc. ODH Registration #
Address 9797 Benner Road
City/State/Zip Rittman, Ohio 44270

Signature
I hereby certify the information given is accurate and correct to the best of my knowledge.

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0179993

LOCATION

SITE #33 MW07

County CUYAHOGA Township CLEVELAND Section/Lot Number
Owner/Builder STATE INDUSTRIAL PRODUCTS

Address of Well Location 3100 HAMILTON AVENUE
City CLEVELAND Zip Code 44114

Property Location Description on the side of road name
Location of Well in either: State Plane OR Latitude/Longitude

Elevation of Well Datum Plain: NAD27 NAD83
Source of Coordinates: GPS Survey Other

ORIGINAL WELL ODNR Well Log Number 2004344 Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS Date of measurements 6/11/2009
Depth of Well 20' Static Water Level 5'
Size of Casing 2" Length of casing 10'
Well Condition Good

SEALING PROCEDURE TREMMIE GROUT

Method of Placement TREMMIE GROUT
Placement: From 20' To 1' Sealing Material GROUT DF Volume 4.5 GALLONS

Was Casing Removed? Yes or No
Condition of Casing Good

Perforations: From To
Date Sealing Performed 6/11/2009

Reason(s) for Sealing No Longer Needed

CONTRACTOR Name H.A.D., Inc. ODH Registration #
Address 9797 Benner Road
City/State/Zip Rittman, Ohio 44270

Signature
I hereby certify the information given is accurate and correct to the best of my knowledge.

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0179991

LOCATION

SITE #33 MW08

County CUYAHOGA Township CLEVELAND Section/Lot Number
Owner/Builder STATE INDUSTRIAL PRODUCTS

Address of Well Location 3100 HAMILTON AVENUE
Number Street Name

City CLEVELAND Zip Code 44114

Property Location Description miles of nearest intersection

on the side of road name

Location of Well in either: State Plane OR Latitude/Longitude
Check ONE In Decimal Degrees Degrees Minutes Degrees Min. Sec.

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other

ORIGINAL WELL ODNR Well Log Number 2004342 Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS

Date of measurements 6/11/2009

Depth of Well 20' Static Water Level 5'
Size of Casing 2" Length of casing 10'
Well Condition Good

SEALING PROCEDURE

Method of Placement TREMMIE GROUTED

Placement: From 20' To 1' Sealing Material GROUT DF Volume 4.5 GALLONS

Was Casing Removed? Yes or No

Condition of Casing Good

Perforations: From To

Date Sealing Performed 6/11/2009

Reason(s) for Sealing No Longer Needed

CONTRACTOR

Name H.A.D., Inc. ODH Registration #
Address 9797 Benner Road
City/State/Zip Rittman, Ohio 44270

Signature
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WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
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0179995

LOCATION

SITE #34 MW01

County CUYAHOGA Township CLEVELAND Section/Lot Number
Owner/Builder FORMER JELLYDYNE METAL FINISHING

Address of Well Location 1725 EAST 27TH STREET
Number Street Name

City CLEVELAND Zip Code 44113

Property Location Description miles of nearest intersection
on the side of road name

Location of Well in either: State Plane OR Latitude/Longitude
Check ONE In Decimal Degrees Degrees Minutes Degrees Min. Sec.

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other

ORIGINAL WELL ODNR Well Log Number 2004069 Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS Date of measurements 6/09/2009

Depth of Well 18.5' Static Water Level 5'
Size of Casing 2" Length of casing 8.5'
Well Condition Good

SEALING PROCEDURE TREMMIE GROUT

Method of Placement Sealing Material Volume
Placement: From 18.5' To 1' GROUT DF 6 GALLONS

Was Casing Removed? Yes or No

Condition of Casing Good
Perforations: From To

Date Sealing Performed 6/09/2009
Reason(s) for Sealing No Longer Needed

CONTRACTOR Name H.A.D., Inc. ODH Registration #
Address 9797 Benner Road
City/State/Zip Rittman, Ohio 44270

Signature
I hereby certify the information given is accurate and correct to the best of my knowledge.

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0179998

LOCATION

SITE #34 MW02

County CUYAHOGA Township CLEVELAND Section/Lot Number
Owner/Builder FORMER TELEDYNE METAL FINISHING

Address of Well Location 1725 EAST 27TH STREET
Number Street Name

City CLEVELAND Zip Code 44113

Property Location Description miles of nearest intersection
on the side of road name

Location of Well in either: State Plane OR Latitude/Longitude
Check ONE In Decimal Degrees Degrees Minutes Degrees Min. Sec.

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other

ORIGINAL WELL ODNR Well Log Number 2004121 Copy attached? Yes No

MEASURED CONSTRUCTION DETAILS

Date of measurements 6/09/2009

Depth of Well 17' Static Water Level 6'
Size of Casing 2" Length of casing 8.0'
Well Condition Good

SEALING PROCEDURE

Method of Placement TREMMIE GROUT
Placement: From 17' To 1' Sealing Material GROUT DF Volume 3 GALLONS

Was Casing Removed? Yes No

Condition of Casing Good
Perforations: From To

Date Sealing Performed 6/09/2009
Reason(s) for Sealing No Longer Needed

CONTRACTOR

Name H.A.D., Inc. ODH Registration #
Address 9797 Benner Road
City/State/Zip Rittman, Ohio 44270

Signature [Signature]
I hereby certify the information given is accurate and correct to the best of my knowledge.

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0179996

LOCATION

SITE #34 MW03

County CUYAHOGA Township CLEVELAND Section/Lot Number
Owner/Builder FORMER TELEDYNE METAL FINISHING

Address of Well Location 1725 EAST 27TH STREET
Number Street Name

City CLEVELAND Zip Code 44113

Property Location Description miles of nearest intersection
on the side of road name

Location of Well in either: State Plane OR Latitude/Longitude
Check ONE In Decimal Degrees Degrees Minutes Degrees Min. Sec.

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other

ORIGINAL WELL ODNR Well Log Number 2004123 Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS Date of measurements 6/09/2009

Depth of Well 18' Static Water Level 5'
Size of Casing 2" Length of casing 8.0'
Well Condition Good

SEALING PROCEDURE TREMMIE GROUT

Method of Placement Sealing Material Volume
Placement: From 18' To 1' GROUT DF 4 GALLONS

Was Casing Removed? Yes or No (circle one) Good

Condition of Casing
Perforations: From To

Date Sealing Performed 6/09/2009
Reason(s) for Sealing No Longer Needed

CONTRACTOR Name H.A.D., Inc. Address 9797 Benner Road City/State/Zip Rittman, Ohio 44270

Signature I hereby certify the information given is accurate and correct to the best of my knowledge.

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0180049

LOCATION

SITE #42 MW01

County CUYAHOGA Township CLEVELAND Section/Lot Number
Owner/Builder CB REALTY

Address of Well Location 2975 SUPERIOR AVENUE
Number Street Name

City CLEVELAND Zip Code 44113

Property Location Description miles of nearest intersection
on the side of road name

Location of Well in either: State Plane OR Latitude/Longitude
Check ONE In Decimal Degrees Degrees Minutes Degrees Min. Sec.
Latitude 41.51123 Longitude 81.67082

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other

ORIGINAL WELL ODNr Well Log Number 2004141 Copy attached? Yes Or No

MEASURED CONSTRUCTION DETAILS Date of measurements 6/10/2009

Depth of Well 17' Static Water Level 4'
Size of Casing 2" Length of casing 7'
Well Condition Good

SEALING PROCEDURE Method of Placement Tremmie Grout

Placement: From 17' To 1' Sealing Material Grout DF Volume 3 Gallons

Was Casing Removed? Yes or No (circle one)

Condition of Casing Good
Perforations: From To

Date Sealing Performed 6/10/2009
Reason(s) for Sealing No Longer Needed

CONTRACTOR Name H.A.D., Inc. ODH Registration #
Address 9797 Benner Road
City/State/Zip Rittman, Ohio 44270

Signature [Handwritten Signature]
I hereby certify the information given is accurate and correct to the best of my knowledge.

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0187050

LOCATION

SITE #42 MW02

County CUYAHOGA Township CLEVELAND Section/Lot Number
Owner/Builder CB REALTY

Address of Well Location 2975 SUPERIOR AVENUE
Number Street Name

City CLEVELAND Zip Code 44113

Property Location Description miles n, e, s, w of nearest intersection
on the side of road name

Location of Well in either: State Plane OR Latitude/Longitude
Latitude 41.5104 Longitude 81.67112

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other

ORIGINAL WELL ODNR Well Log Number 2004371 Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS

Date of measurements 6/10/2009

Depth of Well 17' Static Water Level 4'
Size of Casing 2" Length of casing 7'
Well Condition Good

SEALING PROCEDURE

Method of Placement Tremmie Grout
Placement: From 17' To 1' Sealing Material Grout DF Volume 3 Gallons

Was Casing Removed? Yes or No (circle one)

Condition of Casing Good
Perforations: From To

Date Sealing Performed 6/10/2009
Reason(s) for Sealing No Longer Needed

CONTRACTOR

Name H.A.D., Inc. ODH Registration #
Address 9797 Benner Road
City/State/Zip Rittman, Ohio 44270

Signature
I hereby certify the information given is accurate and correct to the best of my knowledge.

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0179986

LOCATION

SITE #42 MW03

County CUYAHOGA Township CLEVELAND Section/Lot Number
Owner/Builder CB REALTY

Address of Well Location 2975 SUPERIOR AVENUE
Number Street Name

City CLEVELAND Zip Code 44113

Property Location Description on the side of road name
n, e, s, w

Location of Well in either: State Plane OR Latitude/Longitude
Latitude 41.51037 Longitude 81.671587

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other Map

ORIGINAL WELL ODNR Well Log Number Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS

Date of measurements 6/10/2009

Depth of Well 15' Static Water Level 5'
Size of Casing 2" Length of casing 5'
Well Condition Good

SEALING PROCEDURE

Method of Placement Tremmie Grout
Placement: From 15' To 1' Sealing Material Grout DF Volume 2.5 Gallons

Was Casing Removed? Yes or No

Condition of Casing Good
Perforations: From To

Date Sealing Performed 6/10/2009
Reason(s) for Sealing No Longer Needed

CONTRACTOR

Name H.A.D., Inc. ODH Registration #
Address 9797 Benner Road
City/State/Zip Rittman, Ohio 44270

Signature [Signature]
I hereby certify the information given is accurate and correct to the best of my knowledge.

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0186201

LOCATION

SITE #43 MW01

County CUYAHOGA Township CLEVELAND Section/Lot Number
Owner/Builder KNC BUILDING

Address of Well Location 2635 PAYNE AVENUE
Number Street Name

City CLEVELAND Zip Code 44113

Property Location Description miles of nearest intersection
on the side of road name

Location of Well in either: State Plane OR Latitude/Longitude
Check ONE In Decimal Degrees Degrees Minutes Degrees Min. Sec.

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other

ORIGINAL WELL ODNR Well Log Number 2004143 Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS Date of measurements 6/10/2009

Depth of Well 20' Static Water Level 8'
Size of Casing 2" Length of casing
Well Condition Good

SEALING PROCEDURE Method of Placement TREMMIE GROUT

Placement: From 20' To 1' Sealing Material GROUT DF Volume 15 GALLONS

Was Casing Removed? Yes or No

Condition of Casing Good
Perforations: From To

Date Sealing Performed 6/10/2009
Reason(s) for Sealing No Longer Needed

CONTRACTOR Name H.A.D., Inc. Address 9797 Benner Road City/State/Zip Rittman, Ohio 44270

Signature
I hereby certify the information given is accurate and correct to the best of my knowledge.

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0186202

LOCATION

SITE #43 MW02

County CUYAHOGA Township CLEVELAND Section/Lot Number
Owner/Builder KNC BUILDING

Address of Well Location 2635 PAYNE AVENUE
Number Street Name

City CLEVELAND Zip Code 44113

Property Location Description miles of nearest intersection

on the side of road name

Location of Well in either: State Plane OR Latitude/Longitude
Check ONE In Decimal Degrees Degrees Minutes Degrees Min. Sec.

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other

ORIGINAL WELL ODNr Well Log Number 2004124 Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS Date of measurements 6/10/2009

Depth of Well 18' Static Water Level 4'
Size of Casing 2" Length of casing 8'
Well Condition Good

SEALING PROCEDURE TREMMIE GROUT

Method of Placement
Placement: From 18' To 1' Sealing Material GROUT DF Volume 3 GALLONS

Was Casing Removed? Yes or No

Condition of Casing Good

Perforations: From To

Date Sealing Performed 6/10/2009

Reason(s) for Sealing No Longer Needed

CONTRACTOR

Name H.A.D., Inc. ODH Registration #
Address 9797 Benner Road
City/State/Zip Rittman, Ohio 44270

Signature
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WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0186203

LOCATION

SITE #43 MW03

County CUYAHOGA Township CLEVELAND Section/Lot Number
Owner/Builder KNC BUILDING

Address of Well Location 2635 PAYNE AVENUE
Number Street Name

City CLEVELAND Zip Code 44113

Property Location Description miles of nearest intersection
on the side of road name

Location of Well in either: State Plane OR Latitude/Longitude
Check ONE In Decimal Degrees Degrees Minutes Degrees Min. Sec.

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other

ORIGINAL WELL ODNr Well Log Number 2004142 Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS Date of measurements 6/10/2009

Depth of Well 18.5' Static Water Level 5'
Size of Casing 2" Length of casing 8.5'
Well Condition Good

SEALING PROCEDURE TREMMIE GROUT

Method of Placement Sealing Material Volume
Placement: From 18.5' To 1' GROUT DF 5 GALLONS

Was Casing Removed? Yes or No

Condition of Casing Good
Perforations: From To

Date Sealing Performed 6/10/2009
Reason(s) for Sealing No Longer Needed

CONTRACTOR Name H.A.D., Inc. ODH Registration #
Address 9797 Benner Road
City/State/Zip Rittman, Ohio 44270

Signature
I hereby certify the information given is accurate and correct to the best of my knowledge.

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0180035

LOCATION

SITE #45 MW01

County CUYAHOGA Township CLEVELAND Section/Lot Number
Owner/Builder MOSS TRUSTEE

Address of Well Location 1748 EAST 27TH STREET
City CLEVELAND Zip Code 44113

Property Location Description on the side of road name
Location of Well in either: State Plane OR Latitude/Longitude

Location of Well in either: State Plane OR Latitude/Longitude
Check ONE In Decimal Degrees Degrees Minutes Degrees Min. Sec.
Latitude 41.50607 Longitude 81.66969

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other

ORIGINAL WELL ODNR Well Log Number 2004072 Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS Date of measurements 6/08/2009

Depth of Well 23' Static Water Level 5'
Size of Casing 2" Length of casing 13'
Well Condition Good

SEALING PROCEDURE Method of Placement Tremmie Grout

Placement: From 23' To 1' Sealing Material Grout DF Volume 6 Gallons

Was Casing Removed? Yes or No

Condition of Casing Good
Perforations: From To

Date Sealing Performed 6/08/2009
Reason(s) for Sealing No Longer Needed

CONTRACTOR

Name H.A.D., Inc. ODH Registration #
Address 9797 Benner Road
City/State/Zip Rittman, Ohio 44270

Signature
I hereby certify the information given is accurate and correct to the best of my knowledge.

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0187036

LOCATION

SITE #45 MW02

County CUYAHOGA Township CLEVELAND Section/Lot Number
Owner/Builder MOSS TRUSTEE

Address of Well Location 1748 EAST 27TH STREET
City CLEVELAND Zip Code 44113

Property Location Description on the side of road name
Location of Well in either: State Plane OR Latitude/Longitude

Latitude 41.50664 Longitude 81.67001
Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other
ORIGINAL WELL ODNR Well Log Number 2004071 Copy attached? Yes of No

MEASURED CONSTRUCTION DETAILS Date of measurements 6/09/2009

Depth of Well 17' Static Water Level 5'
Size of Casing 2" Length of casing 7'
Well Condition Good

SEALING PROCEDURE Method of Placement Tremmie Grout

Placement: From 17' To 1' Sealing Material Grout DF Volume 3 Gallons

Was Casing Removed? Yes or No (circle one)

Condition of Casing Good
Perforations: From To

Date Sealing Performed 6/09/2009
Reason(s) for Sealing No Longer Needed

CONTRACTOR Name H.A.D., Inc. ODH Registration #

Address 9797 Benner Road
City/State/Zip Rittman, Ohio 44270

Signature
I hereby certify the information given is accurate and correct to the best of my knowledge.

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0180037

LOCATION

SITE #45 MW03

County CUYAHOGA Township CLEVELAND Section/Lot Number
Owner/Builder MOSS TRUSTEE

Address of Well Location 1748 EAST 27TH STREET
Number Street Name

City CLEVELAND Zip Code 44113

Property Location Description miles of nearest intersection

on the side of road name

Location of Well in either: State Plane OR Latitude/Longitude
Check ONE In Decimal Degrees Degrees Minutes Degrees Min. Sec.
Latitude 41.50702 Longitude 81.67037

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other

ORIGINAL WELL ODNR Well Log Number 2004070 Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS

Date of measurements 6/09/2009

Depth of Well 20' Static Water Level 5'
Size of Casing 2" Length of casing 10'
Well Condition Good

SEALING PROCEDURE

Method of Placement Tremmie Grout
Placement: From 20' To 1' Sealing Material Grout DF Volume 6 Gallons

Was Casing Removed? Yes or No

Condition of Casing Good
Perforations: From To

Date Sealing Performed 6/09/2009
Reason(s) for Sealing No Longer Needed

CONTRACTOR

Name H.A.D., Inc. ODH Registration #
Address 9797 Benner Road
City/State/Zip Rittman, Ohio 44270

Signature
I hereby certify the information given is accurate and correct to the best of my knowledge.

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0180045

LOCATION

SITE #51 MW01

County CUYAHOGA Township CLEVELAND Section/Lot Number
Owner/Builder TEMP CRAFT PLASTICS

Address of Well Location 3960 SOUTH MARGINAL ROAD
Number Street Name

City CLEVELAND Zip Code 44114

Property Location Description miles of nearest intersection
on the side of road name

Location of Well in either: State Plane OR Latitude/Longitude
Check ONE In Decimal Degrees Degrees Minutes Degrees Min. Sec.
Latitude 41.5197 Longitude 81.6701

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other

ORIGINAL WELL ODNR Well Log Number 2004329 Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS Date of measurements 6/15/2009

Depth of Well 28' Static Water Level 25'
Size of Casing 2" Length of casing 18'
Well Condition Good

SEALING PROCEDURE

Method of Placement Tremmie Grout
Placement: From 28' To 1' Sealing Material Grout DF Volume 15 Gallons

Was Casing Removed? Yes or No

Condition of Casing Good
Perforations: From To

Date Sealing Performed 6/15/2009
Reason(s) for Sealing No Longer Needed

CONTRACTOR

Name H.A.D., Inc. ODH Registration #
Address 9797 Benner Road
City/State/Zip Rittman, Ohio 44270

Signature
I hereby certify the information given is accurate and correct to the best of my knowledge.

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0180047

LOCATION

SITE #51 MW02

County CUYAHOGA Township CLEVELAND Section/Lot Number
Owner/Builder TEMP CRAFT PLASTICS

Address of Well Location 3960 SOUTH MARGINAL ROAD
Number Street Name

City CLEVELAND Zip Code 44114

Property Location Description miles n, e, s, w of nearest intersection

on the side of road name

Location of Well in either: State Plane OR Latitude/Longitude
Latitude 41.52074 Longitude 81.66862

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other

ORIGINAL WELL ODNr Well Log Number 2004330 Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS

Date of measurements 6/15/2009

Depth of Well 20' Static Water Level 15'
Size of Casing 2" Length of casing 10'
Well Condition Good

SEALING PROCEDURE

Method of Placement Tremmie Grout
Placement: From 20' To 1' Sealing Material Grout DF Volume 10 Gallons

Was Casing Removed? Yes or No

Condition of Casing Good
Perforations: From To

Date Sealing Performed 6/15/2009
Reason(s) for Sealing No Longer Needed

CONTRACTOR

Name H.A.D., Inc. ODH Registration #
Address 9797 Benner Road
City/State/Zip Rittman, Ohio 44270

Signature

I hereby certify the information given is accurate and correct to the best of my knowledge.

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0187046

LOCATION

SITE #51 MW03

County CUYAHOGA Township CLEVELAND Section/Lot Number
Owner/Builder TEMP CRAFT PLASTICS

Address of Well Location 3960 SOUTH MARGINAL ROAD
Number Street Name

City CLEVELAND Zip Code 44114

Property Location miles of nearest intersection
Description n, e, s, w

on the side of road name

Location of Well in either: State Plane OR Latitude/Longitude
Check ONE In Decimal Degrees Degrees Minutes Degrees Min. Sec.
Latitude 41.5204 Longitude 81.66937

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other

ORIGINAL WELL ODNR Well Log Number 2004327 Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS Date of measurements 6/15/2009

Depth of Well 19' Static Water Level 10'
Size of Casing 2" Length of casing 9'
Well Condition Good

SEALING PROCEDURE

Method of Placement Tremmie Grout
Placement: From 19' To 1' Sealing Material Grout DF Volume 10 Gallons

Was Casing Removed? Yes or No (circle one)

Condition of Casing Good
Perforations: From To

Date Sealing Performed 6/15/2009
Reason(s) for Sealing No Longer Needed

CONTRACTOR

Name H.A.D., Inc. ODH Registration #
Address 9797 Benner Road
City/State/Zip Rittman, Ohio 44270

Signature

I hereby certify the information given is accurate and correct to the best of my knowledge.

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0180048

LOCATION

SITE #51 MW04

County CUYAHOGA Township CLEVELAND Section/Lot Number
Owner/Builder TEMP CRAFT PLASTICS

Address of Well Location 3960 SOUTH MARGINAL ROAD
Number Street Name

City CLEVELAND Zip Code 44114

Property Location Description miles of nearest intersection
on the side of road name

Location of Well in either: State Plane OR Latitude/Longitude
Check ONE In Decimal Degrees Degrees Minutes Degrees Min. Sec.
Latitude 41.81962 Longitude 81.66964

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other

ORIGINAL WELL ODNR Well Log Number 2004326 Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS

Date of measurements 6/15/2009

Depth of Well 19' Static Water Level 10'
Size of Casing 2" Length of casing 9'
Well Condition Good

SEALING PROCEDURE

Method of Placement Tremmie Grout
Placement: From 19' To 1' Sealing Material Grout DF Volume 10 Gallons

Was Casing Removed? Yes or No

Condition of Casing Good
Perforations: From To

Date Sealing Performed 6/15/2009
Reason(s) for Sealing No Longer Needed

CONTRACTOR

Name H.A.D., Inc. ODH Registration #
Address 9797 Benner Road
City/State/Zip Rittman, Ohio 44270

Signature
I hereby certify the information given is accurate and correct to the best of my knowledge.

WELL LOG AND DRILLING REPORT

Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

Well Log Number

2004326

Page 1 of 1 for this record.

WELL LOCATION CONSTRUCTION DETAILS

County CUYAHOGA Township CLEVELAND

Owner/Builder TEMP CRAFT PLASTICS

Address of Well Location 3960 S MARGINAL RD

City CLEVELAND Zip Code +4 44114

Permit No. _____ Section; _____ and/or Lot No. _____

Use of Well MONITOR

Coordinates of Well (Use only one of the below coordinate systems)

State Plane Coordinates

N X _____ +/- _____ ft.

S Y _____ +/- _____ ft.

Latitude, Longitude Coordinates

Latitude: 41.81962 Longitude: 81.66964

Elevation of Well in feet: _____ +/- _____ ft.

Datum Plane: NAD27 NAD83 Elevation Source _____

Source of Coordinates: GPS

Well location written description:

INNERBELT STUDY SITE 51

Comments on water quality/quantity and well construction:

Drilling Method: AUGER

BOREHOLE/CASING (Measured from ground surface)

1 { Borehole Diameter 8.25 inches Depth 18 ft.
Casing Diameter 2 in. Length 8 ft. Thickness 0.154 in.

2 { Borehole Diameter _____ inches Depth _____ ft.
Casing Diameter _____ in. Length _____ ft. Thickness _____ in.

Casing Height Above Ground _____ ft.

Type { 1: PVC
2: _____

Joints { 1: Threaded
2: _____

SCREEN

Diameter 2 in. Slot Size 0.01 in. Screen Length 10 ft.

Type MACHINE SLOTTED Material PVC

Set Between 18 ft. and 8 ft.

GRAVEL PACK (Filter Pack)

Material/Size SILICA SAND Vol/Wt. Used 350 LBS.

Method of Installation Poured (gravity)

Depth: Placed From: 18 ft. To: 6 ft.

GROUT

Material Bentonite pellets/chunks Vol/Wt. Used 150 LBS.

Method of Installation Poured (gravity)

Depth: Placed From: 6 ft. To: 1 ft.

DRILLING LOG*

FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED.

Color	Texture	Formation	From	To
		FILL MATERIAL	0	6
		SAND	6	18

WELL TEST *

Pre-Pumping Static Level 0 ft. Date _____

Measured from _____

Pumping test method _____

Test Rate _____ gpm Duration of Test _____ hrs.

Feet of Drawdown _____ ft. Sustainable Yield _____ gpm

*(Attach a copy of the pumping test record, per section 1521.05, ORC)

Is Copy Attached? Yes No Flowing Well? Yes No

PUMP/PITLESS

Type of pump _____ Capacity _____ gpm

Pump set at _____ ft. Pitless Type _____

Pump installed by _____

I hereby certify the information given is accurate and correct to the best of my knowledge.

Drilling Firm H.A.D. INC.

Address 9797 BENNER RD

City, State, Zip RITTMAN OH 44270

Signed SUSAN BROMLEY Date 8/7/2006

(Filed Electronically)

ODH Registration Number _____

Aquifer Type (Formation producing the most water.) SAND

Date of Well Completion 8/4/2006 Total Depth of Well 18 ft.

Completion of this form is required by section 1521.05, Ohio Revised Code - file within 30 days after completion of drilling.
Distribute copies of this record to Customer, and Local Health Department.

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0180031

LOCATION

SITE #53 MW01

County CUYAHOGA Township CLEVELAND Section/Lot Number
Owner/Builder CLEVELAND FIRE ACADEMY

Address of Well Location 3101 LAKESIDE AVENUE
Number Street Name

City CLEVELAND Zip Code 44114

Property Location Description miles n, e, s, w of nearest intersection
on the side of road name

Location of Well in either: State Plane OR Latitude/Longitude
Latitude 41.5156 Longitude 81.67225

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other

ORIGINAL WELL ODNR Well Log Number 2004374 Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS

Date of measurements 6/04/2009

Depth of Well 20' Static Water Level DRY
Size of Casing 2" Length of casing
Well Condition Good

SEALING PROCEDURE

Method of Placement Tremmie Grout
Placement: From 20' To 1' Sealing Material Grout DF Volume 10 Gallons

Was Casing Removed? Yes or No

Condition of Casing Good
Perforations: From To

Date Sealing Performed 6/04/2009
Reason(s) for Sealing No Longer Needed

CONTRACTOR

Name H.A.D., Inc. ODH Registration #
Address 9797 Benner Road
City/State/Zip Rittman, Ohio 44270

Signature
I hereby certify the information given is accurate and correct to the best of my knowledge.

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0187032

LOCATION

SITE #53 MW02

County CUYAHOGA Township CLEVELAND Section/Lot Number
Owner/Builder CLEVELAND FIRE ACADEMY

Address of Well Location 3101 LAKESIDE AVENUE
Number Street Name

City CLEVELAND Zip Code 44114

Property Location Description miles n, e, s, w of nearest intersection
on the side of road name

Location of Well in either: State Plane OR Latitude/Longitude
Check ONE In Decimal Degrees Degrees Minutes Degrees Min. Sec.
Latitude 41.51577 Longitude 81.67352

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other

ORIGINAL WELL ODNR Well Log Number 2004372 Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS Date of measurements 6/04/2009

Depth of Well 21' Static Water Level DRY
Size of Casing 2" Length of casing
Well Condition Good

SEALING PROCEDURE Method of Placement Tremmie Grout

Placement: From 21' To 1' Sealing Material Grout DF Volume 10 Gallons

Was Casing Removed? Yes or No (circle one)

Condition of Casing Good
Perforations: From To

Date Sealing Performed 6/04/2009
Reason(s) for Sealing No Longer Needed

CONTRACTOR Name H.A.D., Inc. ODH Registration #
Address 9797 Benner Road
City/State/Zip Rittman, Ohio 44270

Signature
I hereby certify the information given is accurate and correct to the best of my knowledge.

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0180034

LOCATION

SITE #53 MW03

County CUYAHOGA Township CLEVELAND Section/Lot Number
Owner/Builder CLEVELAND FIRE ACADEMY

Address of Well Location 3101 LAKESIDE AVENUE
Number Street Name

City CLEVELAND Zip Code 44114

Property Location Description miles n, e, s, w of nearest intersection

on the side of road name

Location of Well in either: State Plane OR Latitude/Longitude
N S X Y
Check ONE In Decimal Degrees Degrees Minutes Degrees Min. Sec.
Latitude 41.51603 Longitude 81.67329

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other

ORIGINAL WELL ODNR Well Log Number 2004375 Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS Date of measurements 6/08/2009

Depth of Well 20' Static Water Level 5'
Size of Casing 2" Length of casing 10'
Well Condition Good

SEALING PROCEDURE Method of Placement Tremmie Grout

Placement: From 20' To 1' Sealing Material Grout DF Volume 4 Gallons

Was Casing Removed? Yes or No (circle one)

Condition of Casing Good
Perforations: From To

Date Sealing Performed 6/08/2009
Reason(s) for Sealing No Longer Needed

CONTRACTOR Name H.A.D., Inc. Address 9797 Benner Road City/State/Zip Rittman, Ohio 44270

Signature I hereby certify the information given is accurate and correct to the best of my knowledge.

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0180033

LOCATION

SITE #53 MW04

County CUYAHOGA Township CLEVELAND Section/Lot Number
Owner/Builder CLEVELAND FIRE ACADEMY

Address of Well Location 3101 LAKESIDE AVENUE
Number Street Name

City CLEVELAND Zip Code 44114

Property Location Description miles n, e, s, w of nearest intersection
on the side of road name

Location of Well in either: State Plane OR Latitude/Longitude
Check ONE In Decimal Degrees Degrees Minutes Degrees Min. Sec.
Latitude 41.51532 Longitude 81.6734

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other

ORIGINAL WELL ODNR Well Log Number 2004376 Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS

Date of measurements 6/08/2009

Depth of Well 17' Static Water Level 4'
Size of Casing 2" Length of casing
Well Condition Good

SEALING PROCEDURE

Method of Placement Tremmie Grout
Placement: From 17' To 1' Sealing Material Grout DF Volume 3 Gallons

Was Casing Removed? Yes or No (circle one)

Condition of Casing Good
Perforations: From To

Date Sealing Performed 6/08/2009
Reason(s) for Sealing No Longer Needed

CONTRACTOR

Name H.A.D., Inc. ODH Registration #
Address 9797 Benner Road
City/State/Zip Rittman, Ohio 44270

Signature [Signature]
I hereby certify the information given is accurate and correct to the best of my knowledge.

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0187028

LOCATION

~~SIDE #57~~ MW01

County CUYAHOGA Township CLEVELAND Section/Lot Number _____
Owner/Builder CHARLES MARTIN
Circle One or Both

Address of Well Location 3501 CROTON AVENUE
Number Street Name

City CLEVELAND Zip Code 44113

Property Location Description _____ miles _____ of _____ nearest intersection
on the _____ side of _____ road name

Location of Well in either: { State Plane N S X _____ +/- _____ ft. or m. Y _____ +/- _____ ft. or m.
OR { Check ONE In Decimal Degrees Degrees Minutes Degrees Min. Sec.
Latitude/Longitude { Latitude 41.48798 Longitude 81.66517 }

Elevation of Well _____ +/- _____ ft. or m. Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other _____

ORIGINAL WELL ODNR Well Log Number 2004074 Copy attached? Yes or No (circle one)

MEASURED CONSTRUCTION DETAILS Date of measurements 6/04/2009

Depth of Well 30' Static Water Level 20'
Size of Casing 2" Length of casing _____
Well Condition Good

SEALING PROCEDURE Method of Placement Tremmie Grout

Placement:	From	To	Sealing Material	Volume
	<u>30'</u>	<u>1'</u>	<u>Grout DF</u>	<u>15 Gallons</u>
	_____	_____	_____	_____
	_____	_____	_____	_____

Was Casing Removed? Yes or No (circle one)

Condition of Casing Good

Perforations: From _____ To _____
From _____ To _____

Date Sealing Performed 6/04/2009

Reason(s) for Sealing No Longer Needed

CONTRACTOR

Name H.A.D., Inc. ODH Registration # _____
Address 9797 Benner Road
City/State/Zip Rittman, Ohio 44270

Signature [Signature]
I hereby certify the information given is accurate and correct to the best of my knowledge.

WELL LOG AND DRILLING REPORT

Well Log Number.

DNR 7802.05e

Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

2004074

Page 1 of 1 for this record.

WELL LOCATION	CONSTRUCTION DETAILS																																																																																																																																		
County <u>CUYAHOGA</u> Township <u>CLEVELAND</u> Owner/Builder <u>CHARLES MARTIN</u> Address of Well Location <u>3501 CROTON AVE</u> City <u>CLEVELAND</u> Zip Code +4 <u>44113</u> Permit No. _____ Section; _____ and/or Lot No. _____ Use of Well <u>MONITOR</u> Coordinates of Well (Use only one of the below coordinate systems) State Plane Coordinates N <input type="checkbox"/> X _____ +/- _____ ft. S <input type="checkbox"/> Y _____ +/- _____ ft. Latitude, Longitude Coordinates Latitude: <u>41.48798</u> Longitude: <u>81.66517</u> Elevation of Well in feet: _____ +/- _____ ft. Datum Plane: <input type="checkbox"/> NAD27 <input checked="" type="checkbox"/> NAD83 Elevation Source _____ Source of Coordinates: <u>GPS</u> Well location written description: <u>INNERBELT STUDY SITE 57 Figure G-23A MW#1</u>	Drilling Method: <u>AUGER</u> BOREHOLE/CASING (Measured from ground surface) 1 { Borehole Diameter <u>8.25</u> inches Depth <u>27</u> ft. Casing Diameter <u>2</u> in. Length <u>17</u> ft. Thickness <u>0.154</u> in. 2 { Borehole Diameter _____ inches Depth _____ ft. Casing Diameter _____ in. Length _____ ft. Thickness _____ in. Casing Height Above Ground _____ ft. Type { 1: <u>PVC</u> 2: _____ Joints { 1: <u>Threaded</u> 2: _____ SCREEN Diameter <u>2</u> in. Slot Size <u>0.01</u> in. Screen Length <u>10</u> ft. Type <u>MACHINE SLOTTED</u> Material <u>PVC</u> Set Between <u>17</u> ft. and <u>27</u> ft. GRAVEL PACK (Filter Pack) Material/Size <u>SILICA SAND</u> Vol/Wt. Used <u>400 LBS.</u> Method of Installation <u>Poured (gravity)</u> Depth: Placed From: <u>15</u> ft. To: <u>27</u> ft. GROUT Material <u>Bentonite dry granular</u> Vol/Wt. Used <u>400 LBS.</u> Method of Installation <u>Poured (gravity)</u> Depth: Placed From: <u>15</u> ft. To: <u>1</u> ft.																																																																																																																																		
Comments on water quality/quantity and well construction:	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="5" style="text-align: center;">DRILLING LOG*</th> </tr> <tr> <th colspan="5" style="text-align: center;">FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED.</th> </tr> <tr> <th style="width: 20%;">Color</th> <th style="width: 20%;">Texture</th> <th style="width: 40%;">Formation</th> <th style="width: 10%;">From</th> <th style="width: 10%;">To</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td style="text-align: center;">SAND</td> <td style="text-align: center;">0</td> <td style="text-align: center;">27</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	DRILLING LOG*					FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED.					Color	Texture	Formation	From	To			SAND	0	27																																																																																																														
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Completion of this form is required by section 1521.05, Ohio Revised Code - file within 30 days after completion of drilling. Distribute copies of this record to Customer, and Local Health Department.

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0180029

LOCATION

SITE #57 MW02

County CUYAHOGA Township CLEVELAND Section/Lot Number
Owner/Builder CHARLES MARTIN

Address of Well Location 3501 CROTON AVENUE
Number Street Name

City CLEVELAND Zip Code 44113

Property Location Description on the side of road name
n, e, s, w nearest intersection

Location of Well in either: State Plane OR Latitude/Longitude
Latitude 41.48798 Longitude 81.66517

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other

ORIGINAL WELL ODNR Well Log Number 2004073 Copy attached? Yes No

MEASURED CONSTRUCTION DETAILS

Date of measurements 6/04/2009

Depth of Well 28' Static Water Level 25'
Size of Casing 2" Length of casing
Well Condition Good

SEALING PROCEDURE

Method of Placement Tremmie Grout
Placement: From 28' To 1' Sealing Material Grout DF Volume 15 Gallons

Was Casing Removed? Yes No

Condition of Casing Good
Perforations: From To

Date Sealing Performed 6/04/2009
Reason(s) for Sealing No Longer Needed

CONTRACTOR

Name H.A.D., Inc. ODH Registration #
Address 9797 Benner Road
City/State/Zip Rittman, Ohio 44270

Signature
I hereby certify the information given is accurate and correct to the best of my knowledge.

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0187030

LOCATION

SITE #57 MW03

County CUYAHOGA Township CLEVELAND Section/Lot Number
Owner/Builder CHARLES MARTIN

Address of Well Location 3501 CROTON AVENUE
Number Street Name

City CLEVELAND Zip Code 44113

Property Location Description miles n, e, s, w of nearest intersection
on the side of road name

Location of Well in either: State Plane OR Latitude/Longitude
Latitude 41.488641 Longitude 81.665921

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other map

ORIGINAL WELL ODNR Well Log Number Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS Date of measurements 6/04/2009

Depth of Well 27' Static Water Level 25'
Size of Casing 2" Length of casing
Well Condition Good

SEALING PROCEDURE Method of Placement Tremmie Grout

Placement: From 27' To 1' Sealing Material Grout DF Volume 15 Gallons

Was Casing Removed? Yes or No

Condition of Casing Good
Perforations: From To

Date Sealing Performed 6/04/2009
Reason(s) for Sealing No Longer Needed

CONTRACTOR Name H.A.D., Inc. Address 9797 Benner Road City/State/Zip Rittman, Ohio 44270

Signature I hereby certify the information given is accurate and correct to the best of my knowledge.

WATER WELL SEALING REPORT
OHIO DEPARTMENT OF NATURAL RESOURCES
Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

0180040

LOCATION

SITE #59 MW03

County CUYAHOGA Township CLEVELAND Section/Lot Number PARKING LOT

Owner/Builder Circle One or Both

Address of Well Location CENTRAL VIADUCT

City CLEVELAND Zip Code 44113

Property Location Description on the side of road name

Location of Well in either: State Plane OR Latitude/Longitude Latitude 41.493 Longitude 81.68503

Elevation of Well Datum Plain: NAD27 NAD83

Source of Coordinates: GPS Survey Other

ORIGINAL WELL ODNR Well Log Number 2004075 Copy attached? Yes or No

MEASURED CONSTRUCTION DETAILS Date of measurements 6/16/2009

Depth of Well 30' Static Water Level 25'
Size of Casing 2" Length of casing 20'
Well Condition Good

SEALING PROCEDURE Method of Placement Tremmie Grout

Placement: From 30' To 1' Sealing Material Grout DF Volume 10 Gallons

Was Casing Removed? Yes or No

Condition of Casing Good
Perforations: From To

Date Sealing Performed 6/16/2009
Reason(s) for Sealing No Longer Needed

CONTRACTOR Name H.A.D., Inc. ODH Registration #
Address 9797 Benner Road
City/State/Zip Rittman, Ohio 44270

Signature I hereby certify the information given is accurate and correct to the best of my knowledge.

WELL LOG AND DRILLING REPORT

Well Log Number

DNR 7802.05e

Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

2004075

Page 1 of 1 for this record.

WELL LOCATION	CONSTRUCTION DETAILS
---------------	----------------------

County <u>CUYAHOGA</u> Township <u>CLEVELAND</u> <u>PARKING LOT</u> Owner/Builder <u>CENTRAL VIADUCT</u> Address of Well Location City <u>CLEVELAND</u> Zip Code +4 <u>44113</u> Permit No. _____ Section; _____ and/or Lot No. _____ Use of Well <u>MONITOR</u> Coordinates of Well (Use only one of the below coordinate systems) State Plane Coordinates N <input type="checkbox"/> X _____ +/- _____ ft. S <input type="checkbox"/> Y _____ +/- _____ ft. Latitude, Longitude Coordinates Latitude: <u>41.493</u> Longitude: <u>81.68503</u> Elevation of Well in feet: _____ +/- _____ ft. Datum Plane: <input type="checkbox"/> NAD27 <input checked="" type="checkbox"/> NAD83 Elevation Source _____ Source of Coordinates: <u>GPS</u> Well location written description: <u>INNERBELT STUDY SITE 59</u>	Drilling Method: <u>AUGER</u> BOREHOLE/CASING (Measured from ground surface) 1 { Borehole Diameter <u>8.25</u> inches Depth <u>27</u> ft. Casing Diameter <u>2</u> in. Length <u>17</u> ft. Thickness <u>0.154</u> in. 2 { Borehole Diameter _____ inches Depth _____ ft. Casing Diameter _____ in. Length _____ ft. Thickness _____ in. Casing Height Above Ground _____ ft. Type { 1: <u>PVC</u> 2: _____ Joints { 1: <u>Threaded</u> 2: _____ SCREEN Diameter <u>2</u> in. Slot Size <u>0.01</u> in. Screen Length <u>10</u> ft. Type <u>MACHINE SLOTTED</u> Material <u>PVC</u> Set Between <u>27</u> ft. and <u>17</u> ft. GRAVEL PACK (Filter Pack) Material/ Size <u>SILICA SAND</u> Vol/Wt. Used <u>500</u> LBS. Method of Installation <u>Poured (gravity)</u> Depth: Placed From: <u>27</u> ft. To: <u>15</u> ft. GROUT Material <u>Bentonite pellets/chunks</u> Vol/Wt. Used <u>300</u> LBS. Method of Installation <u>Poured (gravity)</u> Depth: Placed From: <u>15</u> ft. To: <u>2</u> ft.
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Comments on water quality/quantity and well construction: _____ _____ _____	<p style="text-align: center;">DRILLING LOG*</p> <p style="text-align: center;">FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Color</th> <th style="width: 30%;">Texture</th> <th style="width: 20%;">Formation</th> <th style="width: 10%;">From</th> <th style="width: 10%;">To</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>FILL MATERIAL</td> <td style="text-align: center;">0</td> <td style="text-align: center;">2</td> </tr> <tr> <td></td> <td></td> <td>GRAVEL AND SAND</td> <td style="text-align: center;">2</td> <td style="text-align: center;">13</td> </tr> <tr> <td></td> <td></td> <td>SAND AND CLAY</td> <td style="text-align: center;">13</td> <td style="text-align: center;">27</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	Color	Texture	Formation	From	To			FILL MATERIAL	0	2			GRAVEL AND SAND	2	13			SAND AND CLAY	13	27																																																																																															
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		SAND AND CLAY	13	27																																																																																																																

WELL TEST *

Pre-Pumping Static Level <u>0</u> ft. Date _____
Measured from _____
Pumping test method _____
Test Rate _____ gpm Duration of Test _____ hrs.
Feet of Drawdown _____ ft. Sustainable Yield _____ gpm
*(Attach a copy of the pumping test record, per section 1521.05, ORC)
Is Copy Attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Flowing Well? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

PUMP/PITLESS

Type of pump _____ Capacity _____ gpm
Pump set at _____ ft. Pitless Type _____
Pump installed by _____

I hereby certify the information given is accurate and correct to the best of my knowledge.

Drilling Firm H.A.D. INC.

Address 9797 BENNER RD

City, State, Zip RITTIMAN OH 44270

Signed SUSAN BROMLEY Date 7/25/2006
(Filed Electronically)

ODH Registration Number _____

Aquifer Type (Formation producing the most water.) SAND AND CLAY
 Date of Well Completion 7/17/2006 Total Depth of Well 27 ft.

Completion of this form is required by section 1521.05, Ohio Revised Code - file within 30 days after completion of drilling.
 Distribute copies of this record to Customer, and Local Health Department.

APPENDIX C

Site# 20 Earl Lee Property – PCB Sampling



Technical Memorandum

Date: July 30, 2009
To: Mark Carpenter
From: Seda Ergun
Subject: **Site # 20 Earl Lee Property PCB Sampling**

This memorandum was completed in association with the Phase II Environmental Site Assessment (ESA) report being conducted as part of the ODOT Cleveland Innerbelt Project additional work described in the ODOT Inter-Office Communication dated April 4, 2007. The memorandum addresses the potential Polychlorinated Biphenyl (PCB) contamination at Site #20 (Earl Lee Property).

The site consists of a one-story brick building with a partial basement. The southern portion of the building is a newer addition and is occupied by a warehouse storage area, a mechanical room, and a large walk-in freezer. The vacant northern portion of the building is older and appears to be in a state of disrepair. Some structural damage, including water incursion, damage to floors and ceilings, and overall structural instability was observed. Additionally, scattered debris, trash, and decommissioned equipment were located in this area. The basement is located under the northern portion of the building.

Significant oil staining and leakage was observed in a basement compressor room in the northwest portion of the site building. The oil was sampled for PCBs in accordance with the United States Environmental Protection Agency's recommended procedures. Wipe samples CR-01, CR-02, CR-03, and CR04 were collected from representative areas of the room, using a 10x10 cm sampling template. These samples were submitted to EA Group Laboratory for analysis. **Table 1** summarizes the analytical data results for the wipe samples, which indicate that no PCBs were detected. The full analytical report is included as **Attachment A**.

Tables

Table 1 Analytical Data Summary – PCB Wipe Samples

Attachments

A Analytical Data Report

ATTACHMENT A



EA GROUP

URS Corporation
1375 Euclid Ave., #600
Cleveland, OH 44115
Peg Schuler

Client Project: Cleveland Innerbelt
EA Group Project Number: 090600356
Received on June 25, 2009

The following analytical report contains results as requested for samples submitted to EA Group. The results included in this report have been reviewed for compliance with the analytical methods indicated in this report. All data has been found to be compliant with accepted laboratory protocol, except as noted in the QC narrative. Industrial hygiene reports, air and/or surface concentrations results are based upon sampling information provided by the client. Industrial hygiene results will not be blank corrected. Analyst initials of REF indicate analysis performed at a subcontract facility.

If you have questions, comments or require further assistance regarding this report, please contact your client services representative or one of the individuals listed below.

Data or reporting:

Jeff Herbert - Lab Manager
jherbert@eagroupohio.com

Debbie Lauer - Lab Supervisor
dlauer@eagroupohio.com

Sample tracking, supplies:

Lisa Foose - Sample Control
sreceiving@eagroupohio.com

Mike Herbert - Supervisor
mherbert@eagroupohio.com

Invoice Related:

Bonnie Renbarger - Office Manager
brenbarger@eagroupohio.com

Reproduction of this report is prohibited except in its entirety . Unless noted, soil, sludge and sediment results are reported on dry weight basis. The "Sample Reporting Limit" is based on the method used for analysis and does not refer to any regulatory limit. These results relate only to the items tested.



EA GROUP

URS Corporation

1375 Euclid Ave., #600

Cleveland, OH 44115

Attention:

Peg Schuler

Project Identification

Cleveland Innerbelt

Purchase Order:

15016633.00000

EA Group

Order Number

0906-00356



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<u>Data Entry Batch Number Summary</u>	Page(s)	12
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<u>Chain of Custody & Sample Receipt Form</u>	Page(s)	17-18
<u>Affidavit</u>	Page(s)	NA



Analytical Results



EA GROUP

Laboratory Analytical Report

URS Corporation

1375 Euclid Ave., #600

Cleveland, OH 44115

Attention:

Peg Schuler

Project Identification

Cleveland Innerbelt

Purchase Order:

15016633.00000

EA Group

Order Number

0906-00356

Jeffrey A. Herbert

Laboratory Manager

June 29, 2009



EAG GROUP

Sample Receive Date 6/25/2009

Sample Listing

<u>EAG</u>		<u>Client</u>	<u>EAG</u>		<u>Client</u>
<u>Sample Identification</u>		<u>Sample Identification</u>	<u>Sample Identification</u>		<u>Sample Identification</u>
090600356	- 001	CR-01	090600356	- 002	CR-02
090600356	- 003	CR-03	090600356	- 004	CR-04



EA GROUP

EA Group Project Narrative

EAG Work Order Number: 0906-00356

Shipment Conditions / Sample Receipt:

There were no noted exceptions. Sample receipt temperature NA.

Sample Preparation:

Sample preparation proceeded normally.

Analytical Notes:

No issues

"REF" indicates analysis by a subcontract laboratory. The QC notes and above statements are assumed correct unless otherwise noted in samples sent out for subcontract analysis.

Quality Control Notes (these may not apply to all QC data batches for this work order):

MS/MSD: No issues

LCS/LCSD: No issues

Surrogates: No issues

Percent Moisture is used to report results on a dry weight basis.

All results listed for this report relate only to the samples submitted on this work order.

When necessary, reporting limits of individual samples may be raised due to high concentration of interfering compounds or target analytes, or quantity of sample available for analysis. Unless otherwise noted, surrogate recoveries outside listed control limits were affected by matrix interference.

pH method note: If this analysis was performed in the laboratory, it may not meet the "immediate analysis" requirement that applies to most wastewater monitoring samples. In such cases, analysis for pH should be done at the time of sampling.

Data Flags Table:

The following is a listing of data qualifiers and their explanations, which may appear in the body of the report:

"B" indicates method blank contamination. The method blank contained a standard laboratory contaminant (Methylene Chloride, Acetone or Hexane) above the standard laboratory method detection limit and below the standard laboratory-reporting limit. The sample result is reported, but considered undetected.

"DIL" Due to matrix interference or high analyte concentration, a dilution was required and the result could not be quantitated.

"E" The analytical result for this sample as reported is above the higher limit of the calibration curve and should be considered an estimated concentration.

"J" Estimated result reported below the standard reporting limit and above the method detection limit.

"MI" Due to inherent matrix interference, the result could not be quantitated.

"NA" Not applicable.

"#" Indicates the reported result may be outside allowable permit levels as provided by the client, when applicable.



EAG GROUP

EAG Workorder: 0906-00356

EAG ID: 0906-00356-001

Client ID: CR-01

Client Project: Cleveland Innerbelt

Matrix: Wipe

Analyst: LJM

Date Sampled: 06/25/2009

Date Received: 06/25/2009

<u>Parameter</u>	<u>Result</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Date Analyzed</u>
PCB: SW846-8081				
Aroclor 1016	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1221	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1232	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1242	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1248	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1254	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1260	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1268	<2.0	2.0	ug/100 cm2	6/26/2009
Extraction: SW846-3580	Complete			6/25/2009

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Recovery Limits</u>
Tetrachloro-m-xylene	74.9	(50 - 150)
Decachlorobiphenyl	86.5	(15 - 150)



EAG GROUP

EAG Workorder: 0906-00356

Matrix: Wipe

Date Sampled: 06/25/2009

EAG ID: 0906-00356-002

Analyst: LJM

Date Received: 06/25/2009

Client ID: CR-02

Client Project: Cleveland Innerbelt

<u>Parameter</u>	<u>Result</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Date Analyzed</u>
PCB: SW846-8081				
Aroclor 1016	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1221	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1232	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1242	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1248	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1254	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1260	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1268	<2.0	2.0	ug/100 cm2	6/26/2009
Extraction: SW846-3580	Complete			6/25/2009

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Recovery Limits</u>
Tetrachloro-m-xylene	76.4	(50 - 150)
Decachlorobiphenyl	86.5	(15 - 150)



EAG GROUP

EAG Workorder: 0906-00356

Matrix: Wipe

Date Sampled: 06/25/2009

EAG ID: 0906-00356-003

Analyst: LJM

Date Received: 06/25/2009

Client ID: CR-03

Client Project: Cleveland Innerbelt

<u>Parameter</u>	<u>Result</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Date Analyzed</u>
PCB: SW846-8081				
Aroclor 1016	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1221	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1232	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1242	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1248	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1254	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1260	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1268	<2.0	2.0	ug/100 cm2	6/26/2009
Extraction: SW846-3580	Complete			6/25/2009

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Recovery Limits</u>
Tetrachloro-m-xylene	81.8	(50 - 150)
Decachlorobiphenyl	85.6	(15 - 150)



EA GROUP

EAG Workorder: 0906-00356

Matrix: Wipe

Date Sampled: 06/25/2009

EAG ID: 0906-00356-004

Analyst: LJM

Date Received: 06/25/2009

Client ID: CR-04

Client Project: Cleveland Innerbelt

<u>Parameter</u>	<u>Result</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Date Analyzed</u>
PCB: SW846-8081				
Aroclor 1016	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1221	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1232	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1242	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1248	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1254	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1260	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1268	<2.0	2.0	ug/100 cm2	6/26/2009
Extraction: SW846-3580	Complete			6/25/2009

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Recovery Limits</u>
Tetrachloro-m-xylene	84.1	(50 - 150)
Decachlorobiphenyl	89.6	(15 - 150)



EA GROUP

Data Entry Batch Number Report

EAG Workorder: 090600356

Client: URS Corporation

Client Project: Cleveland Innerbelt

<u>EAG ID</u>	<u>Client ID</u>	<u>Parameter</u>	<u>Data Entry Batch</u>
001	CR-01	PCB: SW846-8081	090772
002	CR-02	PCB: SW846-8081	090772
003	CR-03	PCB: SW846-8081	090772
004	CR-04	PCB: SW846-8081	090772



PCB Analyses

Sample Summary	Page(s)	14
Method Blank Summary		15
LCS (LCS/LCSD) Summary		16
MS/MSD Summary		NA



EA GROUP

EAG Workorder: 090600356

Client: URS Corporation

Client Project: Cleveland Innerbelt

PCB Analyses Sample Summary

<u>EAG Sample ID</u>	<u>Client SampleID</u>
0906-00356-001	CR-01
0906-00356-002	CR-02
0906-00356-003	CR-03
0906-00356-004	CR-04



EA GROUP

Method Blank QC Report

EAG Workorder: 090600356

Client: URS Corporation

Client Project: Cleveland Innerbelt

QC Type: Method Blank

Matrix: Wipe

Data Entry Batch: 090772

<u>Parameter</u>	<u>Result</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Date Analyzed</u>
Aroclor 1016	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1221	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1232	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1242	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1248	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1254	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1260	<2.0	2.0	ug/100 cm2	6/26/2009

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Control Limits</u>
Decachlorobiphenyl	95.2	(15 - 150)
Tetrachloro-m-xylene	96.3	(50 - 150)



EA GROUP

Laboratory Control Spike QC Report

EAG Workorder: 090600356

Client: URS Corporation

Client Project: Cleveland Innerbelt

QC Type: LCS/LCSD

Matrix: Wipe

Data Entry Batch: 090772

<u>Parameter</u>	<u>Spike Percent Recovery</u>	<u>Spike Percent Recovery</u>	<u>Control Limits</u>	<u>RPD</u>	<u>RPD Control Limits</u>	<u>Date Analyzed</u>
Aroclor 1260	97.1	97.3	(50 - 150)	0.2	(0-20)	6/26/2009
<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Percent Recovery</u>	<u>Control Limits</u>	<u>RPD</u>	<u>RPD Control Limits</u>	
Decachlorobiphenyl	95.4	95.6	(15 - 150)	0.2	(0-20)	
Tetrachloro-m-xylene	95.7	94.8	(50 - 150)	0.9	(0-20)	



EA GROUP

Sample Receipt Confirmation

June 25 .2009

URS Corporation
Peg Schuler

Client Project: Cleveland Innerbelt
EA Group Project Number: 090600356
Shipped Via: Client
Checked By: LAF

	Y	N		Comment / Action Taken
Were coolers sealed? (tape or custody seals)			(N/A)	_____
Was a Chain of Custody form included?	(Y)	N		_____
Was the Chain of Custody signed and dated?	(Y)	N		_____
Was the client & project name identified and legible	(Y)	N		_____
Were sample containers intact?	(Y)	N		_____
Were the sample labels intact and legible?	(Y)	N	N/A	_____
Did the samples match the Chain of Custody?	(Y)	N		_____
Were the correct sample containers / preservatives used?	(Y)	N		_____
Is there sufficient sample volume for the requested analysis?	(Y)	N		_____
Did the samples arrive within holding time?	(Y)	N		_____
Was the pH tested on preserved water samples?	Y	N	(N/A)	_____
Was any preservative added at login?	Y	N	(N/A)	_____
Were air bubbles present in VOA water samples?	Y	N		_____
For 8260B / 5035 samples, was an Encore or Terracore provided?	Y	N	(N/A)	_____
For above analysis, was a container provided for moisture?	Y	N		_____
Type of ice used - wet ice packs dry ice (none)				
Were any samples frozen?	Y	(N)		Wipes
Temperature of samples <u> </u> C				

If samples were submitted in multiple coolers, complete section below:

Cooler #	Airbill #	Temp	Cooler Description



7118 INDUSTRIAL PARK BLVD.
 MENTOR, OHIO 44060-5314
 (440) 951-3514
 FAX (440) 951-3774
 (800) 875-9514
 www.eagroup-ohio.com
 customer.service@eagroup-ohio.com

EAG GROUP

CHAIN OF CUSTODY PLEASE DO NOT SEPARATE FORMS

EAG WORK ORDER # 35608
 PAGE 1 OF 1

Company Name URS Corporation
 Report Address 1375 Euclid Ave Suite 600
 City Cleveland State OH Zip 44113
 Billing Address Same as above
 City _____ State _____ Zip _____
 Phone 216-222-2400 Fax 216-222-2428
 Report Attention Peggy Schuler
 Project Name Cleveland Innebeck II
 P.O. # Quote # 15016633.0000

TURNAROUND (V)
 RUSH
 Requested by _____
 NORMAL

Matrix Key:
 Water - W
 Liquid - L
 Solid/Soil - S
 Sludge - SL
 Other - Specify _____

SAMPLE IDENTIFICATION	MATRIX	COLLECTION TIME	COLLECTION DATE	# of Containers	Grab or Composite (G/C)	ANALYSIS REQUESTED										COOLER TEMP:	SAMPLE REMARKS: CONDITION, ETC.	
CR-01	S	930	6/25/09	1	G													
CR-02	S	945	6/25/09	1	G													
CR-03	S	955	6/25/09	1	G													
CR-04	S	1000	6/25/09	1	G													

PCB (8082)

Method of shipment: EAG Client FedEx UPS Other _____

Relinquished by (sign) Matt Schupak Date/Time 6/25/09 11:25 Received by (sign) Peggy Schuler Date/Time _____
 Relinquished by (sign) _____ Date/Time _____ Received by (sign) _____ Date/Time _____
 Relinquished by (sign) _____ Date/Time _____ Received by (sign) _____ Date/Time _____

Fax Results Email Results (pdf) Peggy - schuler@urscorp.com
 Additional Comments / Method Protocol: _____

VAP BUSTR OTHER

Table 1
Analytical Data Summary - PCB Wipe Samples
Cleveland Innerbelt Study
Cleveland, Ohio

Parameter	Units	0906-00356-001 CR-01 6/25/2009	0906-00356-002 CR-02 6/25/2009	0906-00356-003 CR-03 6/25/2009	0906-00356-004 CR-04 6/25/2009
Aroclor 1016	µg/100 cm ²	2 U	2 U	2 U	2 U
Aroclor 1221	µg/100 cm ²	2 U	2 U	2 U	2 U
Aroclor 1232	µg/100 cm ²	2 U	2 U	2 U	2 U
Aroclor 1242	µg/100 cm ²	2 U	2 U	2 U	2 U
Aroclor 1248	µg/100 cm ²	2 U	2 U	2 U	2 U
Aroclor 1254	µg/100 cm ²	2 U	2 U	2 U	2 U
Aroclor 1260	µg/100 cm ²	2 U	2 U	2 U	2 U
Aroclor 1268	µg/100 cm ²	2 U	2 U	2 U	2 U

U = The analyte was analyzed for, but was not detected. Value shown is the sample reporting limit.

APPENDIX D

Site #45 Harold Moss Property – Regulated Materials Survey



Technical Memorandum

Date: July 30, 2009
To: Mark Carpenter
From: Seda Ergun
Subject: **Site #45 Harold Moss Property Regulated Materials Survey**

This memorandum was completed in association with the Phase II Environmental Site Assessment (ESA) report being conducted as part of the ODOT Cleveland Innerbelt Project additional work described in the ODOT Inter-Office Communication dated April 4, 2007. The memorandum addresses potential regulated materials storage at Site #45 (Harold Moss Property/Mutual Display Company). On June 9, 2009, URS conducted an interior reconnaissance of the site, located at 1748 East 27th Street in Cleveland, Ohio. The purpose of this effort was to identify any regulated materials remaining in the building and this. All accessible areas of the building were evaluated, and observations of building contents and regulated materials were documented. These activities are summarized below.

Site Description

The building is constructed of brick on a concrete foundation. Interior finishes consist of brick, concrete block, wood, and drywall, with regularly spaced brick pillars. The building consists of three floors, a basement, and a warehouse/loading dock area that extends out of the northwest portion of the building. Building access is through overhead doors along the east side of the loading dock area and through various man doors. The roof is a flat, built-up design with a gravel-covered rubber membrane. The building's structure appears sound; however, some water damage was observed on wooden floors and ceilings.

Site Reconnaissance

Jennifer Shepard of URS and Amy Singer of Mutual Display Company conducted a site walk through the building on June 9, 2009. Photographs taken to document Site conditions can be found in Appendix A. The site was formerly used for sales of commercial decorative displays and various other advertising materials. Although the sales operations have ceased, a large amount of materials remain stored throughout the building.

The survey included the basement, each of the three main floors, and the warehouse/loading dock area. Access to the building was from the loading dock area at the northwest portion of the building. The walk though was conducted from the basement up through the main floors, and then through the warehouse/loading dock area. Access to each floor was by the northern stairwell.

Some of the fiberglass insulation that covered the ceiling and walls of the building was observed to be in disrepair. Materials observed include paint, solvents, and various maintenance chemicals. Other items observed include fluorescent light ballasts, halogen light bulbs, and thermostats, which are potentially mercury-containing, window air conditioning units and water fountains, which contain R-22 Freon coolant, and fire extinguishers, which may contain chlorofluorocarbons. Photographs of the interior and exterior of the Site are

included as **Attachment A**. A detailed description of each floor of the structure, as well as a material inventory, is presented below.

Basement

The basement was accessed from the north stairwell. The basement is used for storage of various display materials. At the time of the site reconnaissance the area was filled with numerous boxes and bags of varying condition. The large volume of materials caused some areas of the basement to be inaccessible. Potential hazardous materials observed include the following:

- Eleven 48-inch fluorescent light ballasts;
- Six halogen light bulbs; and
- Two fire extinguishers.

Floor 1

Floor 1 was accessed from the north stairwell. Stored display materials and various scattered debris were observed throughout this floor. Offices were located at the east end of the floor. Potential hazardous materials observed include the following:

- Twenty-five 96-inch fluorescent light ballasts;
- Five 48-inch fluorescent light ballasts;
- Two halogen light bulbs;
- Three window air conditioner units;
- Two thermostats;
- Two fire extinguishers; and
- One water fountain.

Floor 2

Floor 2 was accessed from the north stairwell. Stored display materials and various scattered debris were observed on shelves and on the ground throughout this floor. Potential hazardous materials observed include the following:

- Forty 96-inch fluorescent light ballasts;
- Twenty 48-inch fluorescent light ballasts;
- Two halogen light bulbs;
- Four window air conditioner units;
- Two thermostats; and
- Four fire extinguishers.

Floor 3

Floor 3 was accessed from the north stairwell. Stored display materials and various scattered debris were observed on shelves and on the ground throughout this floor. Potential hazardous materials observed include the following:

- Forty-one 96-inch fluorescent light ballasts;
- Fourteen 48-inch fluorescent light ballasts;
- Five halogen light bulbs;
- Four window air conditioner units;
- Two thermostats; and
- Two fire extinguishers.

Warehouse/Loading Dock Area

The warehouse/loading dock area was accessed from the exterior door along the northeast wall of the building. The northern portion of this area was formerly a loading dock. At the time of the site visit, various scattered debris was observed in the area, including cardboard boxes, furniture, bricks and other building materials, and trash bags. The southern portion of the area is used for storage and maintenance. A paint booth, several shelves of painting supplies, and a flammable storage room are all located in this area. A significant amount of staining and leaking paint was present in the flammable storage room. Potential hazardous materials observed include the following:

- Twenty-five 96-inch fluorescent light ballasts;
- Five 48-inch fluorescent light ballasts;
- Two halogen light bulbs;
- Two fire extinguishers;
- Approximately seventy 1-gallon cans of paint;
- Approximately forty-five 5-gallon buckets of paint;
- Approximately fifty aerosol cans of spray paint;
- Seven 1-gallon cans of paint thinner;
- Four 5-gallon buckets of paint thinner;
- Two 1-gallon containers of antifreeze;
- Five 1-gallon containers of Sheffield Bronzing Liquid;
- Two 5-gallon buckets of Super Westone Dustless Cleaning Agent;
- Four 1-gallon containers of Black Jack Crack Sealer;

- Two unlabeled 55-gallon drums with unknown contents (both appeared to be partially full); and
- Small amounts (1 gallon or less) of various lubricants, adhesives, and several household cleaner.

Attachments

A Photo Log

ATTACHMENT A

Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, Ohio

Project No.
15016633

Photo No.
1

Date:
6/9/09

Description:

Site, facing northwest.



Photo No.
2

Date:
6/9/09

Description:

Site, facing south.



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, Ohio

Project No.
15016633

Photo No.
3

Date:
6/9/09

Description:

Basement, general view.



Photo No.
4

Date:
6/9/09

Description:

Basement, general view.



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, Ohio

Project No.
15016633

Photo No.
5

Date:
6/9/09

Description:

Floor 1, general view.

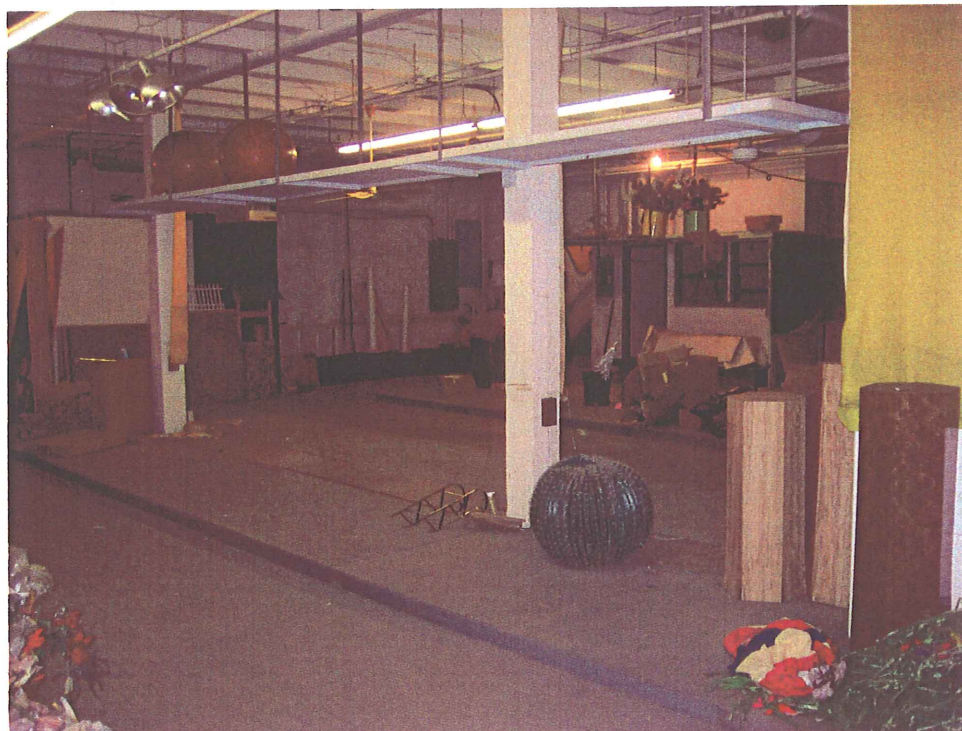


Photo No.
6

Date:
6/9/09

Description:

Floor 1, general view.



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, Ohio

Project No.
15016633

Photo No.
7

Date:
6/9/09

Description:

Floor 2, general view.



Photo No.
8

Date:
6/9/09

Description:

Floor 2, general view.



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, Ohio

Project No.
15016633

Photo No.
9

Date:
6/9/09

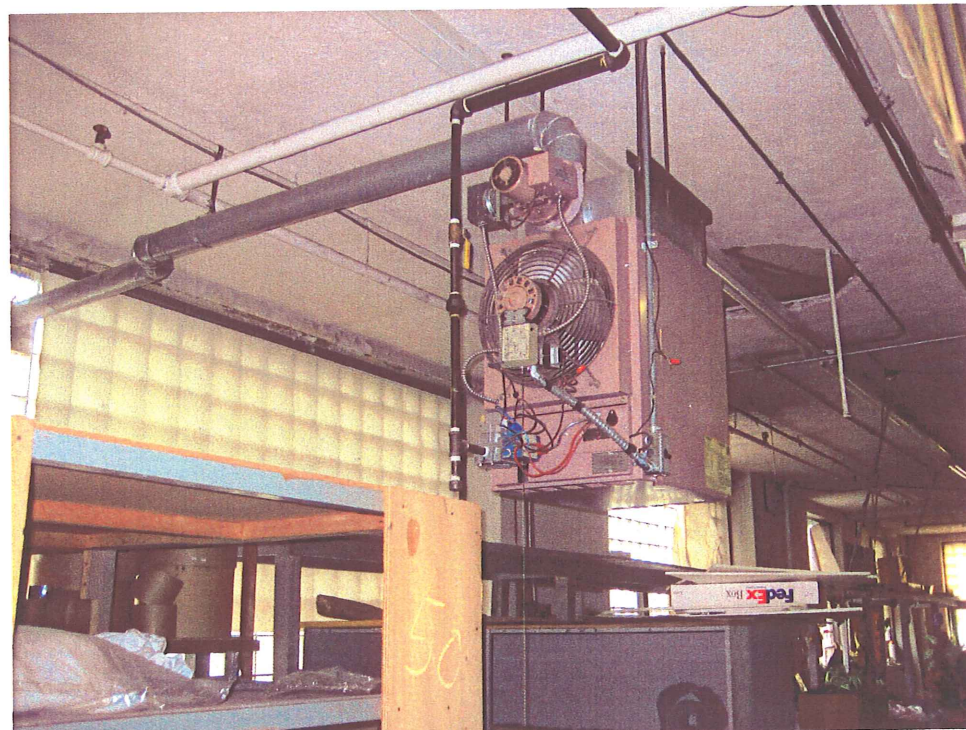
Description:
Floor 3, general view.



Photo No.
10

Date:
6/9/09

Description:
Floor 3, general view.



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, Ohio

Project No.
15016633

Photo No.
11

Date:
6/9/09

Description:

Paint booth in warehouse.



Photo No.
12

Date:
6/9/09

Description:

Painting/maintenance area in warehouse.



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, Ohio

Project No.
15016633

Photo No.
13

Date:
6/9/09

Description:

Flammable storage room in warehouse (note staining and leaking paint on floor).

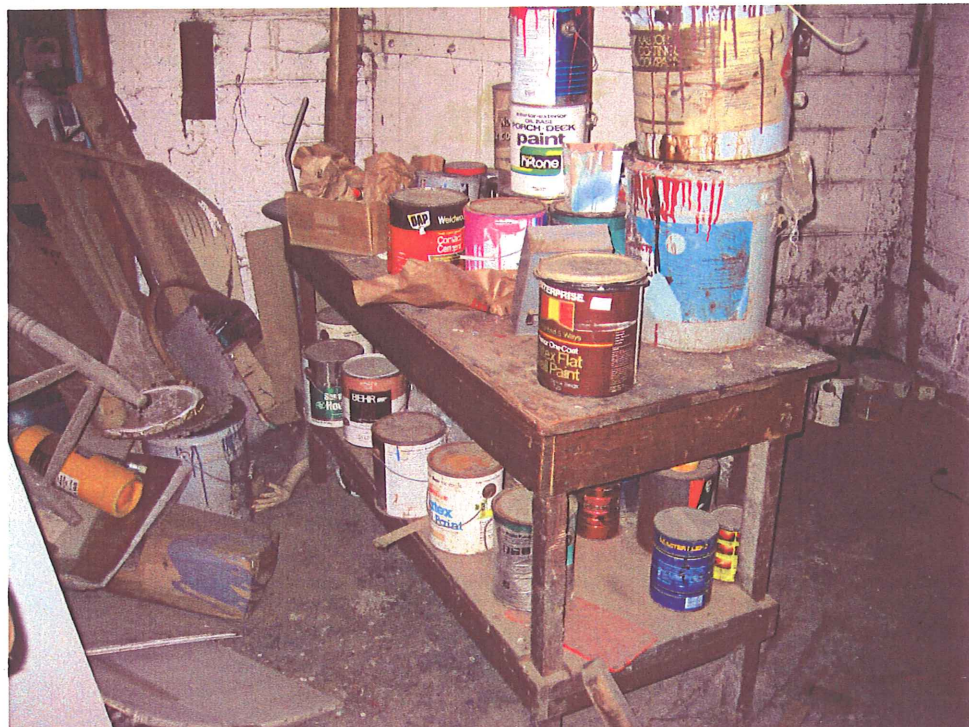


Photo No.
14

Date:
6/9/09

Description:

Paint storage outside of flammable storage room.



Client Name:
The Ohio Department of Transportation

Site Location:
Cleveland, Ohio

Project No.
15016633

Photo No.
15

Date:
6/9/09

Description:

Flammable storage cabinet in warehouse.

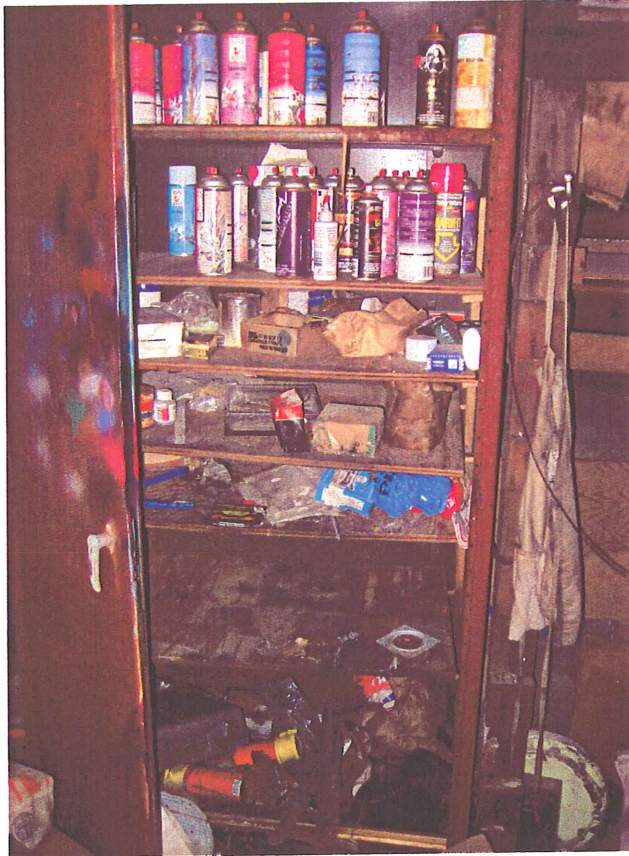


Photo No.
16

Date:
6/9/09

Description:

Loading dock with scattered debris.



APPENDIX E

Site #17 Terminal Oil & Site #19 Gillota Fuel Products – Groundwater Elevation Map

Date: July 30, 2009

To: Mark Carpenter

From: Seda Ergun

Subject: **Site # 17 Terminal Oil & Site #19 Gillota Fuel Products
Groundwater Elevation Map**

This memorandum was completed in association with the Phase II Environmental Site Assessment (ESA) report being conducted as part of the ODOT Cleveland Innerbelt Project additional work described in the ODOT Inter-Office Communication dated April 4, 2007. The memorandum addresses the groundwater elevation in the vicinity of Site #17 (Terminal Oil) and Site #19 (Gillota Fuel Products). The groundwater elevation data were collected from six monitoring wells that included two of the wells on Site #17, one well from Site #19, and three wells from two surrounding properties, Site #18 (Cleveland Fire Station) and Site #59 (Central Viaduct Parking Lot). The work took place on June 16, 2009.

A temporary benchmark established on the eastern curb of the Central Viaduct, adjacent to well 59-MW-03. The benchmark was assigned an elevation of 100 feet and all wells were surveyed relative to this elevation on June 16, 2009.

The water levels measured from available wells are provided in **Table 1**.

Well	Top of Casing Elevation (feet)	Depth to Water (feet)	Water Elevation (feet)
17-MW-03	62.01	10.58	51.43
17-MW-04	62.85	10.7	52.15
18-MW-01	63.18	9.22	53.96
18-MW-02	100.82	23.38	77.44
19-MW-01	97.77	28.8	68.97
59-MW-03	89.89	21.28	68.61

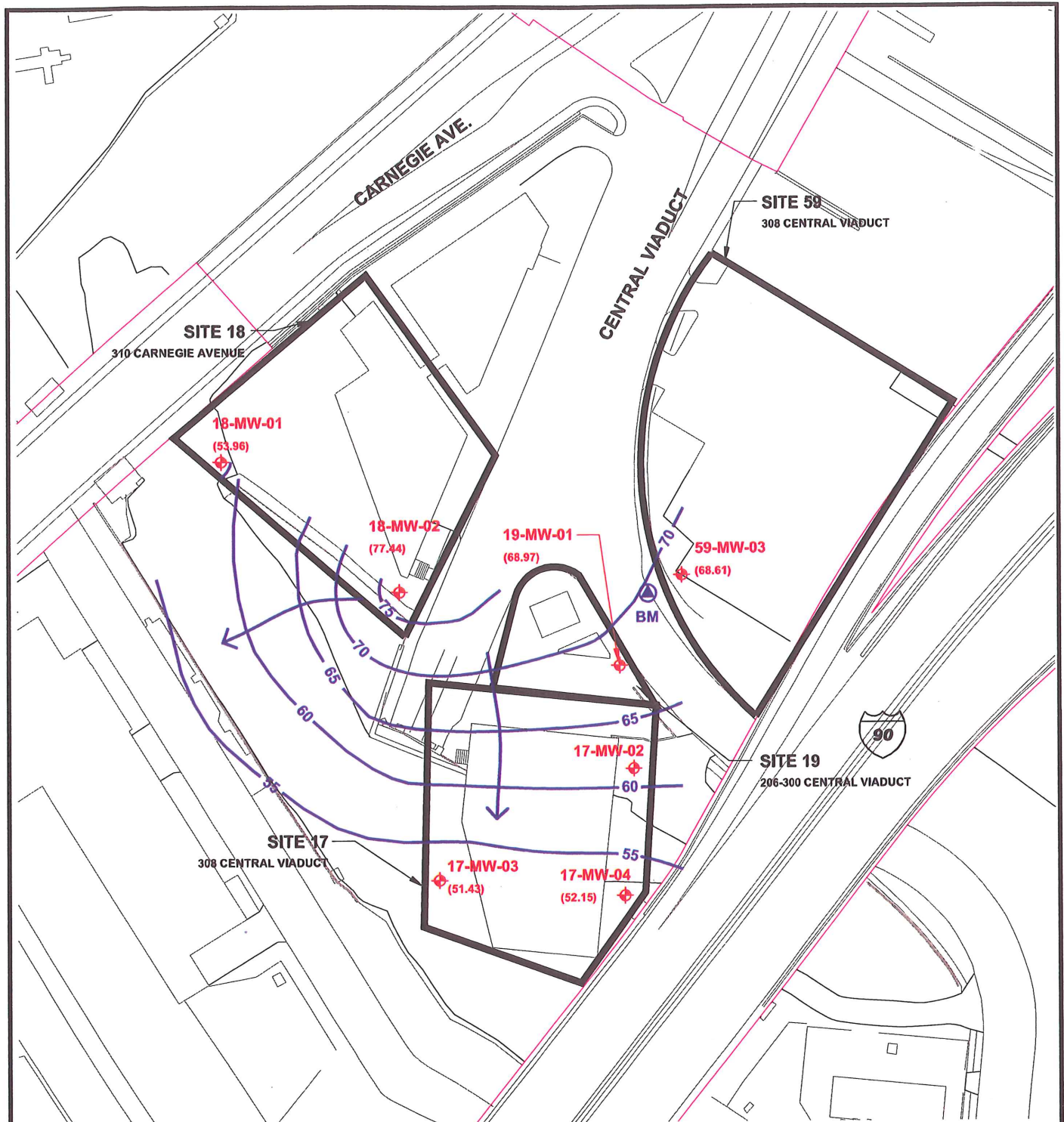
Each of the above monitoring wells was abandoned on June 16, 2009 in accordance with state regulations following the completion of the water level survey.

A groundwater contour map was generated from the water level data and is provided as **Figure 1**. The contour map shows that a relative steep hydraulic gradient of 0.2 feet/foot exists from wells 18-MW02, 19-MW-01 and 59-MW-03 located at the top of the hill to 17-MW-03 and 17-MW-04 at the base of the hill. This gradient pattern is consistent with both the topography and the presence of the Cuyahoga River to the west that would function as a regional groundwater discharge feature.

List of Attachments

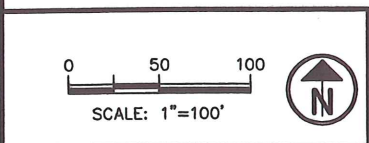
- A Figure 1 - Groundwater Elevation Map

ATTACHMENT A



LEGEND

-  Monitoring Well Location
-  Contour Line
-  Groundwater Flow
-  Temporary Benchmark



Note:
Elevations collected on
June 16, 2009

URS				
CLEVELAND INNERBELT STUDY CLEVELAND, OHIO				
FIGURE 1 Groundwater Elevation Map, Site #17 308 Central Viaduct				
DRAWN BY:	CHECKED BY:	PROJECT No:	DATE:	FIGURE No:
JSC	JB	15016633	06/22/09	1

