

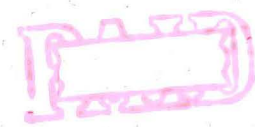


July 6, 2011

Mr. Will Myers  
Wisconsin Department of Natural Resources  
3911 Fish Hatchery Road  
Fitchburg, Wisconsin 53711

RECEIVED  
7-11-11

Re: Summary of Site Investigation Activities at Circus City Cleaners, 721 Broadway Street,  
Baraboo, Wisconsin  
Client Name: Wisconsin Department of Natural Resources  
Client Project No.: BRRTS#02-57-551681  
Bonestroo File No.: 004055-09001-0



Dear Mr. Myers:

Bonestroo has prepared this letter report to summarize investigation activities conducted in association with chlorinated solvents identified near the Circus City Cleaners, 721 Broadway Street, Baraboo, Wisconsin (the Site). The Site location is shown on Figure 1. The results of the investigation completed to date are presented below.

#### **BACKGROUND INFORMATION**

During the investigation of a petroleum release at the Broadway 66 (BRRTS #03-57-002074) located at 805 Broadway Street in Baraboo, tetrachloroethene (PCE) contamination was identified in the groundwater in monitoring wells. Specifically, PCE was detected in three monitoring wells (MW2, MW6, and MW8) and one piezometer (PZ8) installed as part of the Broadway 66 leaking underground storage tank (LUST) investigation. There was no indication that the source of the PCE originated from the Broadway 66 site. The WDNR identified the former Circus City Cleaners as a potential responsible party and subsequently contracted Bonestroo to implement site investigation and determine the source of PCE contamination

#### **SUMMARY OF INVESTIGATIVE ACTIVITIES**

July 2009 Ten soil borings (B100 to B1000) were advanced at the Site and off-site to the north and east. Two of the soil borings (B200 and B900) were converted to monitoring wells (MW200 and MW900) and two soil borings (B100 and B1000) were converted to piezometers (PZ100 and PZ1000). Two groundwater "grab" samples, TW500 and TW600, were collected from soil borings, B500 and B600, respectively. Soil samples were collected from select borings and analyzed for volatile organic compounds (VOCs). Groundwater "grab" samples collected from the borings were also analyzed for VOCs. The wells were developed and surveyed following installation.

August 2009	Groundwater samples were collected from monitoring wells MW200, MW900, PZ100, and PZ1000 located at the site and monitoring wells MW2, MW6, MW8, and PZ8 located at the Broadway 66 property. Groundwater samples were analyzed for VOCs.
November 2009	Eight monitoring wells plus one additional site well (MW10) from the adjacent Broadway 66 Site were sampled and analyzed for VOCs.
June 2010	Two soil borings, B1100 and B1200, were advanced and converted into a piezometer PZ1100 and monitoring well MW1200, respectively. A soil sample was collected from soil boring B1200 and analyzed for VOCs. The wells were surveyed and developed following installation.  Monitoring wells PZ100, MW200, MW900, PZ1000, PZ1100, MW1200 located at the Site and MW2, MW6, MW8, PZ8, PZ9, and PZ10 associated with the Broadway 66 site were sampled and analyzed for VOCs.
September 2010	Monitoring wells PZ100, MW200, MW900, PZ1000, PZ1100, MW1200 located at the Site and Broadway 66's MW2, MW6, MW8, PZ8, PZ9, and PZ10 associated with the Broadway 66 site were sampled and analyzed for VOCs.
December 2010	Monitoring wells PZ100, MW200, PZ1100, and MW1200 located at the Site and wells MW2, MW6, MW8, PZ8, PZ9, MW10, and PZ10 associated with the Broadway 66 site were sampled and analyzed for VOCs.  Based on the results of the activities, the WDNR identified Circus City Cleaners as the source of the PCE contamination and requested that Circus City Cleaners complete additional investigation work to define the extent of the PCE release. Since a responsible party has been identified, the WDNR requested that Bonestroo halt any future work and provide a brief summary of the work Bonestroo completed to date. This letter report satisfies the WDNRs request.

## **SOIL INVESTIGATION**

Between July 2009 and June 2010, a total of twelve soil borings (B100 through B1200) were advanced at the Site to a maximum depth of 65 feet below grade (fbg). Soil samples were collected from the borings and field screened for the presence of VOCs. Borings completed immediately adjacent to another boring were blind drilled. Portions of borings were also blind drilled due to difficult drilling conditions (i.e., cobbles or heaving sands). Soil samples collected from select soil borings (B200, B300, B400, B500, B700, B800, B900, and B1200) were laboratory analyzed for VOC to evaluate the presence or absence of contamination. The location of soil borings are shown on Figure 2. Soil field screening results are summarized on Table 1. Soil borings not converted into monitoring wells were abandoned after soil samples were collected. Soil boring logs and abandonment forms are included in Attachment A and B, respectively.

Soil samples from borings B200, B300, B700, and B1200 located near the Site building contained elevated concentrations of PCE. The highest concentrations were detected in soil borings

completed near the northwest corner of the building. All of the reported concentrations were above the generic soil screening level for protection of groundwater. Laboratory soil results are summarized on Table 2. Laboratory analytical reports are included in Attachment C.

#### **GROUNDWATER INVESTIGATION**

Soil borings B100, B200, B900, B1000, B1100, and B1200 were converted into monitoring wells or piezometers PZ100, MW200, MW900, PZ1000, PZ1100, and MW1200, respectively. The location of monitoring wells and piezometers are shown on Figure 3. Monitoring well construction and development forms are included in Attachments D and E, respectively.

Up to five rounds of groundwater samples were collected from Site wells and select wells at the adjacent Broadway 66 site between August 2009 and December 2010. Groundwater samples were submitted for laboratory analysis of VOCs.

Water level measurements were collected from the monitoring wells to further evaluate groundwater elevation and flow direction. Based on the groundwater elevation data collected to date, the depth to groundwater at the Site is approximately 41 to 46 fbg with groundwater flow predominantly to the southeast. Groundwater flow calculated using the piezometers was predominantly to the east. Water table elevation data is summarized on Table 3. Groundwater contour maps showing the groundwater flow direction are included in Figures 4 and 5, respectively.

Based on the analytical results, PCE and/or trichloroethene is present at concentrations that exceed the enforcement standard (ES) at MW2, MW6, MW8, MW200, MW1200, PZ8, PZ9, PZ100, and PZ1100. PCE was also detected above the ES in a grab sample collected from B600. Groundwater analytical results are summarized in Table 4. Laboratory reports and the associated chain-of-custody records are provided in Attachment F.

#### **CONCLUSIONS AND RECOMMENDATIONS**

Results of the limited investigation indicate that PCE is present in soil and groundwater at the Site and extends off-site. Additional investigation is warranted to define the extent of the PCE release and to develop a remedial action plan. We trust this information meets your needs. Please feel free to call Bonestroo at 715-854-3360 if you have any questions or comments.

Sincerely,

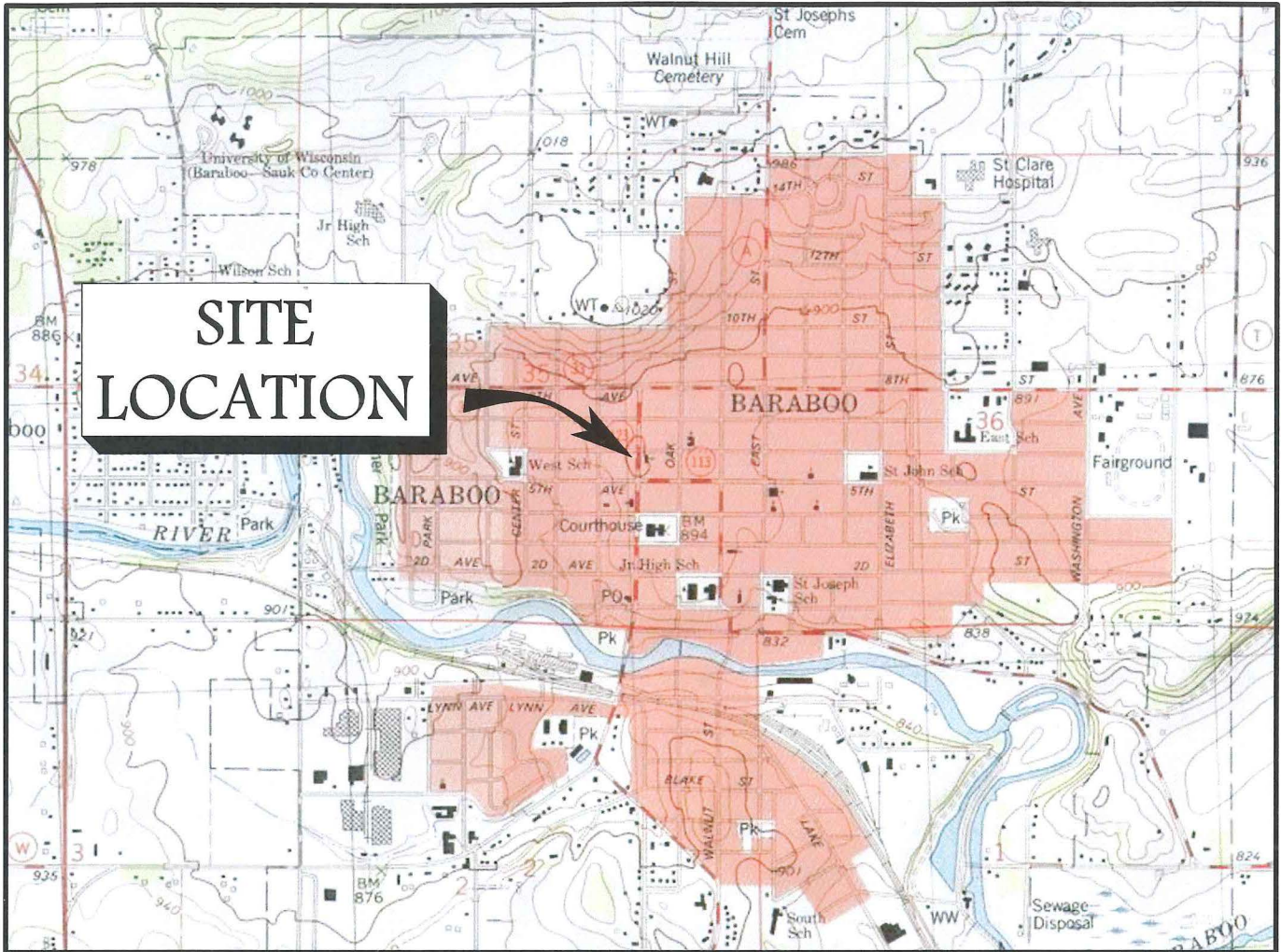
BONESTROO



Lynelle Caine  
Senior Project Geologist

LPC/jmv

Attachments



**SITE  
LOCATION**

SCALE IN FEET

1" = 2000'



CONTOUR INTERVAL 10 FEET  
NATIONAL GEODETIC VERTICAL DATUM OF 1929



QUADRANGLE LOCATION

BASE MAP SOURCE: USGS 7.5 MINUTE QUADRANGLE, BARABOO, WISCONSIN, 1994 (NATIONAL GEOGRAPHIC HOLDINGS, INC.)



854 Circle Drive, Green Bay, Wisconsin 54304

Phone: 800-854-0606 Fax: 920-502-0444

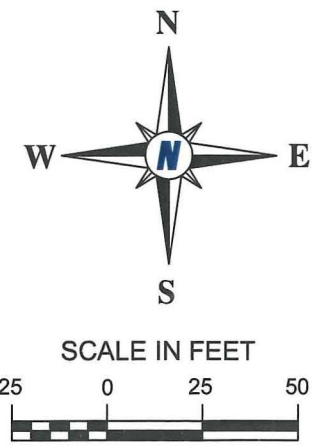
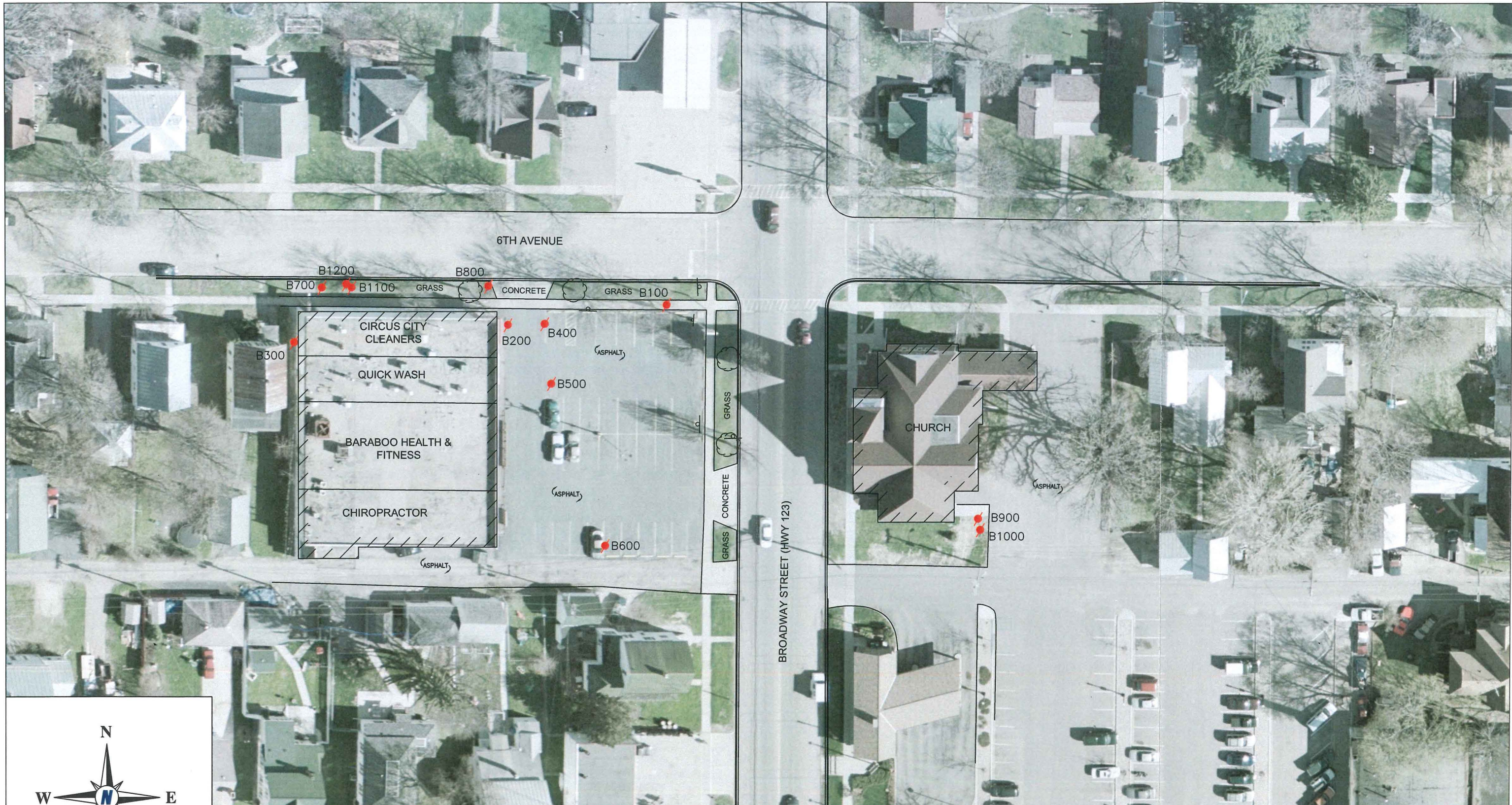
WISCONSIN ▲ MICHIGAN ▲ ILLINOIS ▲ IOWA

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
**SITE LOCATION  
& LOCAL TOPOGRAPHY**

**CIRCUS CITY CLEANERS  
721 BROADWAY STREET  
BARABOO, WISCONSIN**

DATE: 9/14/09	DRAWN BY: JRB	PROJECT MANAGER: LPC	PROJECT NUMBER: 004055-09001-0	FIGURE 1
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**LEGEND:**

	B100	SOIL BORING LOCATION
		TREE
		SIGN



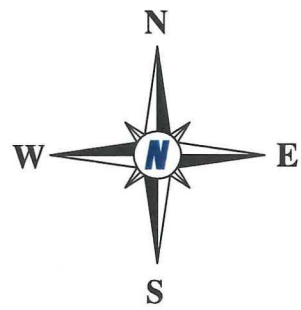
330 South 4th Avenue, Park Falls, Wisconsin 54552  
 Phone: 800-498-3913 Fax: 715-762-1844

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DATE: 09/09/09	DRAWN BY: NLB	TASK NUMBER:	PROJECT NUMBER: 004055-09001-0	FIGURE 2
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**SITE LAYOUT WITH SOIL BORING LOCATIONS**

CIRCUS CITY CLEANERS  
 721 BROADWAY STREET  
 BARABOO, WI



**LEGEND:**

- ◆ PZ100 PIEZOMETER LOCATION
- ◆ MW200 MONITORING WELL LOCATION
- ✕ TW500 TEMPORARY WELL LOCATION
- TREE
- SIGN



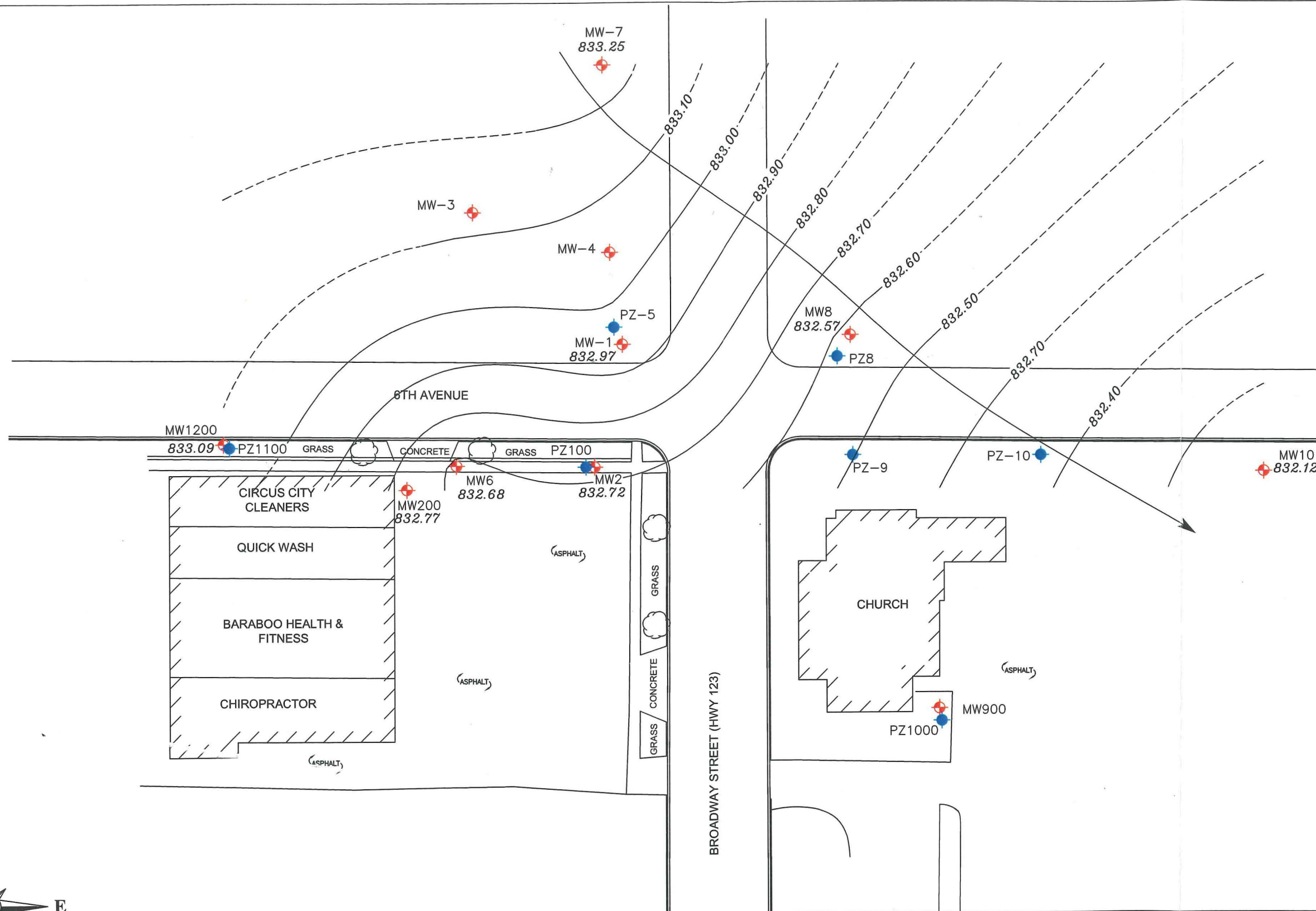
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DATE: 09/09/09	DRAWN BY: NLB	TASK NUMBER:	PROJECT NUMBER: 004055-09001-0	FIGURE 3
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**SITE LAYOUT WITH MONITORING WELL LOCATIONS**

CIRCUS CITY CLEANERS  
 721 BROADWAY STREET  
 BARABOO, WI



- LEGEND:**
- PZ8 PIEZOMETER LOCATION
  - MW200 MONITORING WELL LOCATION AND GROUNDWATER ELEVATION ON 12/23/10
  - 833.00 GROUNDWATER CONTOUR LINE: DASHED WHERE INFERRED CONTOUR LINE INTERVAL = 0.10 FEET
  - GROUNDWATER FLOW DIRECTION



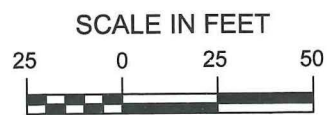
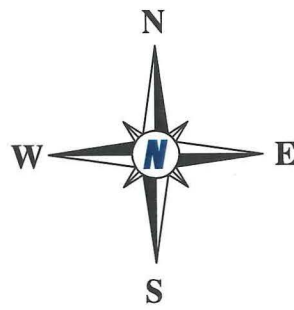
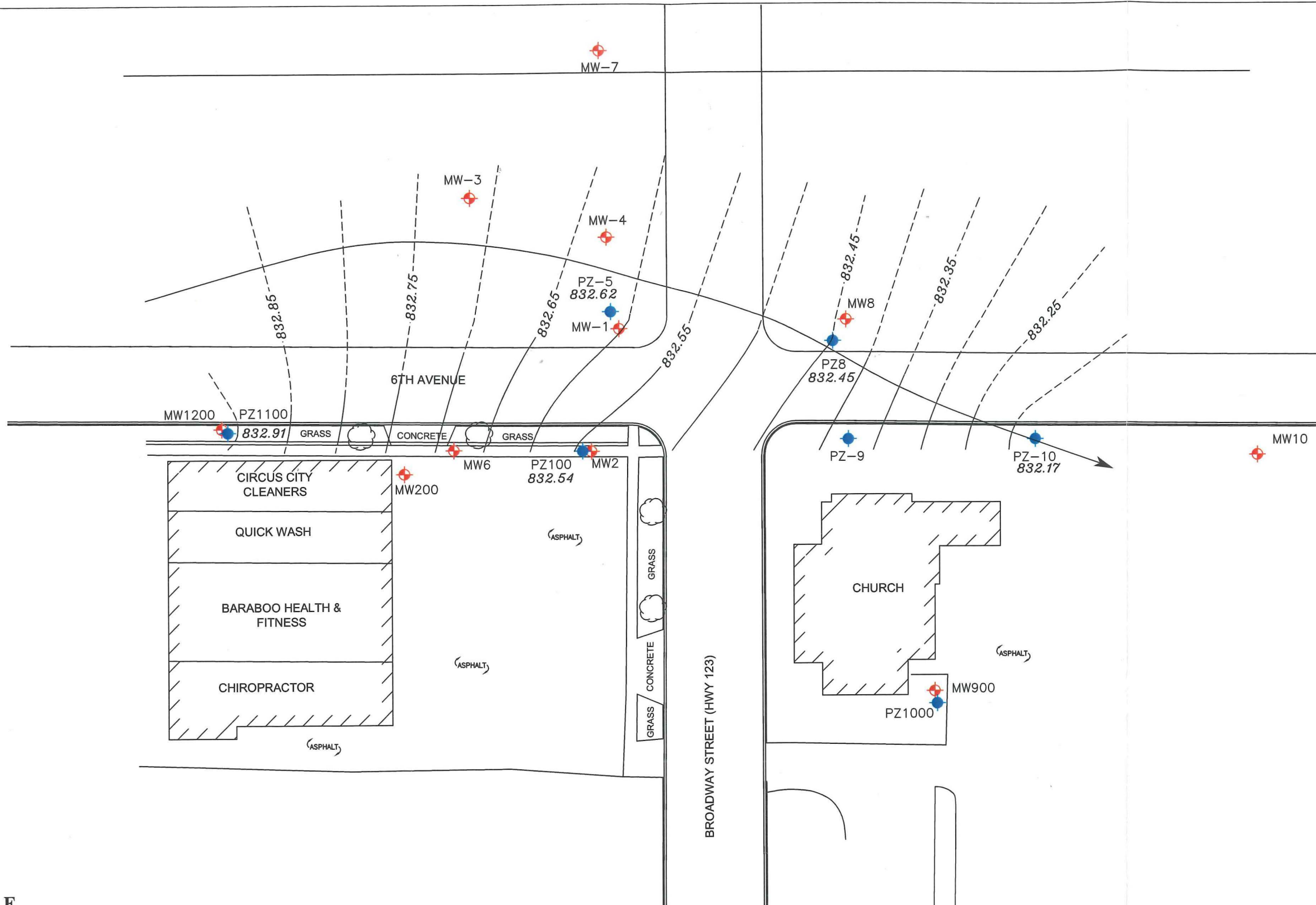
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**GROUNDWATER CONTOUR MAP  
(12/23/10)**

CIRCUS CITY CLEANERS  
 721 BROADWAY STREET  
 BARABOO, WI

DATE: 02/02/11	DRAWN BY: JRB	TASK NUMBER:	PROJECT NUMBER: 004055-09001-0	FIGURE 4
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- LEGEND:**
- ◆ MW200 MONITORING WELL LOCATION
  - ◆ PZ8 832.45 PIEZOMETER LOCATION AND GROUNDWATER ELEVATION ON 12/23/10
  - 832.55- - - - GROUNDWATER CONTOUR LINE: DASHED WHERE INFERRED  
CONTOUR LINE INTERVAL = 0.05 FEET
  - GROUNDWATER FLOW DIRECTION



330 South 4th Avenue, Park Falls, Wisconsin 54552  
Phone: 800-498-3913 Fax: 715-762-1844

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DATE: 02/02/11    DRAWN BY: JRB    TASK NUMBER:

**PIEZOMETER GROUNDWATER CONTOUR MAP (12/23/10)**

CIRCUS CITY CLEANERS  
721 BROADWAY STREET  
BARABOO, WI

PROJECT NUMBER: 004055-09001-0    FIGURE 5



**Table 1 Site Investigation Soil Field Screening Results, Former Circus City Cleaners, Baraboo, Wisconsin**

Boring Number	Sample Number	Sample Depth (feet)	Sample Odor	Sample Description	Date Collected	PID Headspace Analysis		
						Time Collected	Time Analyzed	PID Response (IUI)
B100	S101	42.5-44.5	None	Silty Sand with Gravel	7/20/2009	1030	1045	2
	S102	45-47	None	Silty Sand with Gravel	7/20/2009	1039	1056	2
	S103	47.5-49.5	None	Silty Sand with Gravel	7/20/2009	1050	1107	2
	S104	50-52	None	Sand	7/20/2009	1007	1022	5
B200	S201	0-2	None	Sand Gravel Fill	7/21/2009	910	928	5
	S202	2.5-4.5	None	Sand	7/21/2009	912	934	2
	*S203	5-7	None	Sand	7/21/2009	916	936	10
	S204	7.5-9.5	None	Silty Clay	7/21/2009	921	943	5
	S205	10-12	None	Silty Sand	7/21/2009	927	947	3
	S206	12.5-14.5	None	Silty Sand with Gravel	7/21/2009	932	949	4
	S207	15-17	None	Silty Sand with Gravel	7/21/2009	940	959	8
	S208	17.5-19.5	None	Silty Sand with Gravel	7/21/2009	950	1012	2
	S209	20-22	None	Silty Sand with Gravel	7/21/2009	959	1020	6
	S210	22.5-24.5	None	No Recovery	7/22/2009	850	---	---
	S211	25-27	None	Silty Sand with Gravel	7/22/2009	905	921	5
	S212	27.5-29.5	None	Silty Sand with Gravel	7/22/2009	922	935	9
	*S213	30-32	None	Silty Sand with Gravel	7/22/2009	933	947	10
	S214	32.5-34.5	None	No Recovery	7/22/2009	945	---	---
	S215	35-37	None	Sand and Gravel	7/22/2009	1002	1023	7
	S216	37.5-39.5	None	Silty Sand with Gravel	7/22/2009	1020	1038	9
	S217	40-42	None	Silty Sand with Gravel	7/22/2009	1032	1046	8
	S218	42.5-44.5	None	Silty Sand with Gravel	7/22/2009	1048	1108	6
S219	45-47	None	Silty Sand with Gravel	7/22/2009	1100	1117	7	
B300	*S301	0-2	None	Silty Sand	7/21/2009	915	935	8
	S302	2-4	None	Sand	7/21/2009	925	943	4
	*S303	4-6	None	Silty Sand with Gravel	7/21/2009	935	950	6
B400	*S401	0-2	None	Sand Gravel Fill	7/21/2009	1253	1304	9
	S402	2.5-4.5	None	Sand	7/21/2009	1255	1313	8
	S403	5-7	None	Silty Sand	7/21/2009	1305	1319	7
	S404	7.5-9.5	None	Silty Sand with Gravel	7/21/2009	1307	1327	5
	S405	10-12	None	Silty Sand with Gravel	7/21/2009	1313	1331	4
	S406	12.5-14.5	None	Silty Sand with Gravel	7/21/2009	1318	1340	8
	*S407	15-17	None	Silty Sand with Gravel	7/21/2009	1324	1345	10
	S408	17.5-19.5	None	Silty Sand with Gravel	7/21/2009	1330	1345	5
	S409	20-22	None	Silty Sand with Gravel	7/21/2009	1335	1350	6
	S410	22.5-24.5	None	Silty Sand with Gravel	7/21/2009	1344	1401	5
	S411	25-27	None	Silty Sand with Gravel	7/21/2009	1350	1404	5
	S412	27.5-29.5	None	Silty Sand with Gravel	7/21/2009	1400	1418	6
	S413	30-32	None	Silty Sand	7/21/2009	1408	1423	6
	S414	32.5-34.5	None	Silty Sand	7/21/2009	1422	1443	8
	S415	35-37	None	No Recovery	7/21/2009	1437	---	---
	S416	37.5-39.5	None	Silty Sand with Gravel	7/21/2009	1448	1504	7
	S417	40-42	None	Silty Sand with Gravel	7/21/2009	1502	1517	3
	S418	42.5-44.5	None	Silty Sand with Gravel	7/21/2009	1515	1532	2

**Table 1 Site Investigation Soil Field Screening Results, Former Circus City Cleaners, Baraboo, Wisconsin**

Boring Number	Sample Number	Sample Depth (feet)	Sample Odor	Sample Description	Date Collected	PID Headspace Analysis		
						Time Collected	Time Analyzed	PID Response (IUI)
B500	S501	0-2	None	Sand and Gravel	7/23/2009	910	925	9
	*S502	2.5-4.5	None	Silty Sand	7/23/2009	913	930	9
	S503	5-7	None	Silty Sand	7/23/2009	918	936	8
	S504	7.5-9.5	None	Silty Clay	7/23/2009	923	940	6
	S505	10-12	None	Clayey Silt	7/23/2009	927	945	6
	S506	12.5-14.5	None	No Recovery	7/23/2009	932	---	---
	S507	15-17	None	Silty Sand with Gravel	7/23/2009	939	956	5
	S508	17.5-19.5	None	Silty Sand with Gravel	7/23/2009	950	1007	6
	S509	20-22	None	Silty Sand with Gravel	7/23/2009	1030	1047	8
	S510	22.5-24.5	None	No Recovery	7/23/2009	1040	---	---
	S511	25-27	None	Silty Sand with Gravel	7/23/2009	1049	1107	12
	*S512	27.5-29.5	None	Silty Sand with Gravel	7/23/2009	1102	1120	12
	S513	30-32	None	Silty Sand with Gravel	7/23/2009	1117	1133	11
	S514	32.5-34.5	None	Silty Sand with Gravel	7/23/2009	1138	1154	6
	S515	35-37	None	Silty Sand with Gravel	7/23/2009	1153	1212	6
	S516	37.5-39.5	None	Silty Sand with Gravel	7/23/2009	1209	1225	3
S517	40-42	None	Silty Sand with Gravel	7/23/2009	1218	1243	5	
S518	42.5-44.5	None	Silty Sand with Gravel	7/23/2009	1232	1248	5	
B600	S601	0-2	None	Silty Sand	7/23/2009	1350	1406	9
	S602	2.5-4.5	None	Silty Sand	7/23/2009	1353	1411	6
	S603	5-7	None	Silty Sand	7/23/2009	1357	1416	8
	S604	7.5-9.5	None	Silty Clay	7/23/2009	1401	1419	8
	S605	10-12	None	Silty Clay	7/23/2009	1405	1425	8
	S606	12.5-14.5	None	Clayey Silt	7/23/2009	1410	1430	8
	S607	15-17	None	Silty Sand	7/23/2009	1415	1433	6
	S608	17.5-19.5	None	No Recovery	7/23/2009	1420	---	---
	S609	20-22	None	Silty Sand with Gravel	7/23/2009	1425	1443	9
	S610	22.5-24.5	None	Silty Sand with Gravel	7/23/2009	1433	1447	7
	S611	25-27	None	Silty Sand with Gravel	7/23/2009	1440	1457	7
	S612	27.5-29.5	None	Silty Sand with Gravel	7/23/2009	1453	1512	11
	S613	30-32	None	No Recovery	7/23/2009	1459	---	---
	S614	32.5-34.5	None	Silty Sand	7/23/2009	1508	1530	3
	S615	35-37	None	Silty Sand	7/23/2009	1517	1536	3
	S616	37.5-39.5	None	Silty Sand with Gravel	7/23/2009	1530	1547	1
S617	40-42	None	Silty Sand with Gravel	7/23/2009	1549	1608	5	
S618	42.5-44.5	None	Silty Sand with Gravel	7/23/2009	1559	1615	5	
B700	S701	0-2	None	Silty Sand	7/24/2009	725	741	10
	*S702	2.5-4.5	None	Silty Sand	7/24/2009	728	745	15
	S703	5-7	None	Silty Sand	7/24/2009	735	753	15
	*S704	7.5-9.5	None	Silty Sand with Gravel	7/24/2009	745	802	24
	S705	10-12	None	Silty Sand with Gravel	7/24/2009	753	811	15
	S706	12.5-14.5	None	Silty Sand with Gravel	7/24/2009	807	820	11
	S707	15-17	None	Silty Sand with Gravel	7/24/2009	815	831	9
	S708	17.5-19.5	None	Silty Sand with Gravel	7/24/2009	837	853	11
	S709	20-22	None	Silty Sand with Gravel	7/24/2009	848	912	8
	S710	22.5-24.5	None	Silty Sand with Gravel	7/24/2009	903	917	9
	S711	25-27	None	Silty Sand with Gravel	7/24/2009	918	933	4
	S712	27.5-29.5	None	No Recovery	7/24/2009	924	---	---
	S713	30-32	None	Silty Sand with Gravel	7/24/2009	935	953	3

**Table 1 Site Investigation Soil Field Screening Results, Former Circus City Cleaners, Baraboo, Wisconsin**

Boring Number	Sample Number	Sample Depth (feet)	Sample Odor	Sample Description	Date Collected	PID Headspace Analysis		
						Time Collected	Time Analyzed	PID Response (IUI)
B800	S801	0-2	None	Silty Sand with Gravel	7/24/2009	1045	1100	3
	*S802	2.5-4.5	None	Silty Sand	7/24/2009	1050	1112	4
	S803	5-7	None	Silty Sand	7/24/2009	1055	1115	2
	S804	7.5-9.5	None	Sand Silt	7/24/2009	1100	1118	5
	S805	10-12	None	Silty Sand	7/24/2009	1104	1122	5
	*S806	12.5-14.5	None	Silty Sand with Gravel	7/24/2009	1115	1133	7
	S807	15-17	None	No Recovery	7/24/2009	1122	---	---
	S808	17.5-19.5	None	No Recovery	7/24/2009	1128	---	---
	S809	20-22	None	Silty Sand with Gravel	7/24/2009	1136	1150	3
B900	S901	0-2	None	Silty Sand	7/24/2009	1250	1307	3
	*S902	2.5-4.5	None	Silty Sand	7/24/2009	1252	1314	6
	S903	5-7	None	Silty Sand	7/24/2009	1254	1317	6
	S904	7.5-9.5	None	No Recovery	7/24/2009	1326	---	---
	S905	10-12	None	Silty Sand	7/24/2009	1331	1347	2
	S906	12.5-14.5	None	Silty Sand	7/24/2009	1338	1400	5
	S907	15-17	None	Silty Sand with Gravel	7/24/2009	1350	1412	6
	S908	17.5-19.5	None	Silty Sand with Gravel	7/24/2009	1410	1426	5
	S909	20-22	None	No Recovery	7/24/2009	1507	---	---
	S910	22.5-24.5	None	No Recovery	7/24/2009	1517	---	---
	S911	25-27	None	Silty Sand with Gravel	7/24/2009	1530	1545	4
	S912	27.5-29.5	None	Sandy Silt	7/24/2009	1537	1555	4
	S913	30-32	None	Silty Sand with Gravel	7/24/2009	1548	1606	3
	S914	32.5-34.5	None	Silty Sand with Gravel	7/24/2009	1600	1618	5
	*S915	35-37	None	Silty Sand with Gravel	7/24/2009	1611	1630	10
	S916	37.5-39.5	None	Silty Sand with Gravel	7/24/2009	1626	1642	9
	S917	40-42	None	Silty Sand with Gravel	7/24/2009	1638	1655	6
	S918	42.5-44.5	None	Sandy Silt	7/24/2009	1650	1710	5
S919	45-47	None	Sandy Silt	7/24/2009	1657	1715	9	
S920	47.5-49.5	None	Sandy Silt	7/24/2009	1706	1721	14	
B1100	S1101	30-32	None	Sand	6/17/2010	1137	1155	9
	S1102	40-42	None	Silty Sand	6/17/2010	1142	1205	10
	S1103	50-52	None	Silty Sand	6/17/2010	1145	1207	8
	S1104	60-62	None	Silty Sand	6/17/2010	1150	1209	10
B1200	S1201	0-2	None	Topsoil	6/17/2010	1447	1506	1
	S1202	2.5-4.5	None	Sand	6/17/2010	1453	1515	0
	S1203	5-7	None	Clayey Sand	6/17/2010	1457	1520	1
	*S1204	7.5-9.5	None	Silty Sand	6/17/2010	1506	1525	2
	S1205	10-12	None	Silty Sand	6/17/2010	1509	1530	1
	S1206	12.5-14.5	None	Silty Sand	6/17/2010	1518	1540	2
	S1207	15-17	None	Silty Sand	6/17/2010	1522	1545	3
	*S1208	17.5-19.5	None	Silty Sand	6/17/2010	1528	1545	6
	S1209	20-22	None	Silty Sand	6/17/2010	1534	1550	3

**Key:**

- PID = Photoionization Detector
- iui = Instruments units as isobutylene
- \* = Submitted for laboratory analysis
- = Not Analyzed or Unknown

Table 2 Soil VOC Analytical Results, Soil Borings, Former Circus City Cleaners, Baraboo, Wisconsin

Boring Number	Sample Number	Sample Depth (feet)	Date Sampled	Relevant and Significant Analytical Results										
				DRO (mg/kg)	Volatile Organic Compounds (µg/kg)									
					cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	p-Isopropyltoluene	Naphthalene	Tetrachloroethene	Toluene	Trichloroethene	Vinyl Chloride	Xylenes	
NR 720.09 Residual Contaminant Level (µg/kg)				250	NE	NE	NE	NE	NE	1500	NE	NE	4100	
Generic Soil Screening Level-Ingestion (µg/kg)*				NE	156,000	313,000	NC	NC	1,230	NC	160	42.6	NC	
Generic Soil Screening Level-Inhalation (µg/kg)*				NE	1,300,000	3,200,000	NC	NC	2,000	NC	13	52	NC	
Generic Soil Screening Level-Migration to Ground Water (µg/kg)*				NE	27	49	NC	NC	4.1	NC	3.7	1.3	NC	
Soil Saturation Limit (µg/kg)*				NE	1,300,000	3,200,000	NC	NC	240,000	NC	1,300,000	1,200,000	NC	
B200	S203	5 - 7	07/21/09	---	<24	<29	<30	<117	<18	<23	<20	<17	<48	
	S213	30 - 32	07/21/09	---	<24	<29	<30	<117	51 J	<23	<20	<17	<48	
B300	S301	0 - 2	07/21/09	---	<24	<29	<30	<117	215	<23	<20	<17	<48	
	S303	4 - 6	07/21/09	---	<24	<29	<30	<117	<18	<23	<20	<17	<48	
B400	S401	0 - 2	07/21/09	---	<24	<29	<30	<117	<18	<23	<20	<17	<48	
	S407	15 - 17	07/21/09	---	<24	<29	<30	<117	<18	<23	<20	<17	<48	
B500	S502	2.5 - 4.5	07/23/09	---	<24	<29	<30	<117	<18	<23	<20	<17	<48	
	S512	27.5 - 29.5	07/23/09	---	<24	<29	<30	<117	<18	<23	<20	<17	<48	
B700	S702	2.5 - 4.5	07/24/09	---	<24	<29	<30	<117	302	<23	<20	<17	<48	
	S704	7.5 - 9.5	07/24/09	---	<24	<29	<30	<117	370	<23	<20	<17	<48	
B800	S802	2.5 - 4.5	07/24/09	---	<24	<29	<30	<117	<18	<23	<20	<17	<48	
	S806	12.5 - 14.5	07/24/09	---	<24	<29	<30	<117	<18	<23	<20	<17	<48	
B900	S902	2.4 - 4.5	07/24/09	---	<24	<29	<30	<117	<18	<23	<20	<17	<48	
	S915	35 - 37	07/24/09	---	<24	<29	<30	<117	<18	<23	<20	<17	<48	
B1200	S1204	7.5-9.5	06/17/10	---	<44	<43	<43	<53	242	<51	<50	<33	<124	
	S1208	17.5-19.5	06/17/10	---	<44	<43	<43	<53	284	<51	<50	<33	<124	

Key:

EPA = Environmental Protection Agency

\* = Determined using the current version of the EPA Soil Screening Level Web Site on 11/6/06 and default values in WDNR Guidance (PUB-RR-682)

\*\* = Soil sample collected below historic low water table based on closest monitoring well water level measurements

J = Analyte detected between limit of detection and limit of quantitation

mg/kg = Milligrams per kilogram

µg/kg = Micrograms per kilogram

NE = Not established

NC = Not Calculated

--- = Not analyzed

**Table 3 Water Level Data, Former Circus City Cleaners, Baraboo, Wisconsin**

Well I.D.	Ground Surface Elevation (msl)	Reference Point Elevation (msl)	Top / Bottom Well Screen Elevation (msl or fbg)	Date	Depth to Water (feet)		Water Table Elevation (feet)
					Below Riser	Below Grade	
MW-2	873.99	873.54	35 - 50 fbg	08/18/09	41.38	41.83	832.16
				11/30/09	41.76	42.21	831.78
				06/30/10	41.78	42.23	831.76
				09/30/10	40.61	41.06	832.93
				12/23/10	40.82	41.27	832.72
MW-6	874.58	874.12	35 - 50 fbg	08/18/09	41.91	42.37	832.21
				11/30/09	42.26	42.72	831.86
				06/30/10	42.36	42.82	831.76
				09/30/10	41.17	41.63	832.95
				12/23/10	41.44	41.90	832.68
MW-8	874.32	873.74	35 - 50 fbg	08/18/09	41.71	42.29	832.03
				11/30/09	42.09	42.67	831.65
				06/30/10	42.18	42.76	831.56
				09/30/10	40.75	41.33	832.99
				12/23/10	41.17	41.75	832.57
MW-10	877.14	876.74	35 - 50 fbg	08/18/09	45.21	45.61	831.53
				11/30/09	45.56	45.96	831.18
				06/30/10	43.67	44.07	833.07
				09/30/10	44.31	44.71	832.43
				12/23/10	44.62	45.02	832.12
MW200	875.02	874.24	32 - 47 fbg	08/18/09	42.07	42.85	832.17
				11/30/09	42.34	43.12	831.90
				06/30/10	42.44	43.22	831.80
				09/30/10	41.27	42.05	832.97
				12/23/10	41.47	42.25	832.77
MW900	875.89	875.55	35 - 50 fbg	08/18/09	43.62	43.96	831.93
				11/30/09	43.98	44.32	831.57
				06/30/10	44.12	44.46	831.43
				09/30/10	42.73	43.07	832.82
				12/23/10	---	---	---
MW1200	875.49	874.97	35-50 fbg	06/30/10	42.81	43.33	832.16
				09/30/10	41.58	42.10	833.39
				12/23/10	41.88	42.40	833.09
PZ-8	874.21	873.37	60 - 65 fbg	08/18/09	41.41	42.25	831.96
				11/30/09	41.76	42.60	831.61
				06/30/10	41.90	42.74	831.47
				09/30/10	40.87	41.71	832.50
				12/23/10	40.92	41.76	832.45
PZ100	874.03	873.6	59 - 64 fbg	08/18/09	41.63	42.06	831.97
				11/30/09	41.92	42.35	831.68
				06/30/10	42.00	42.43	831.60
				09/30/10	40.76	41.19	832.84
				12/23/10	41.06	41.49	832.54
PZ1000	875.72	875.08	61 - 66 fbg	08/18/09	43.34	43.98	831.74
				11/30/09	43.74	44.38	831.34
				06/30/10	43.74	44.38	831.34
				09/30/10	42.28	42.92	832.80
				12/23/10	---	---	---
PZ1100	875.49	875.11	60-65 fbg	06/30/10	43.12	43.50	831.99
				09/30/10	42.01	42.39	833.10
				12/23/10	42.20	42.58	832.91

**Table 3 Water Level Data, Former Circus City Cleaners, Baraboo, Wisconsin**

Well I.D.	Ground Surface Elevation (msl)	Reference Point Elevation (msl)	Top / Bottom Well Screen Elevation (msl or fbg)	Date	Depth to Water (feet)		Water Table Elevation (feet)
					Below	Below	
					Riser	Grade	
MW-1	---	873.55	38-53 fbg	11/30/09	41.58	---	831.97
				06/30/10	41.70	---	831.85
				09/30/10	40.36	---	833.19
				12/23/10	40.58	---	832.97
MW-3	---	874.53	35-50 fbg	11/30/09	42.29	---	832.24
				06/30/10	42.43	---	832.10
				09/30/10	41.08	---	833.45
				12/23/10	---	---	---
MW-4	---	874.04	35-50 fbg	11/30/09	dry	---	---
				06/30/10	dry	---	---
				09/30/10	dry	---	---
				12/23/10	dry	---	---
MW-7	---	874.38	35-50 fbg	11/30/09	42.09	---	832.29
				06/30/10	41.93	---	832.45
				09/30/10	40.85	---	833.53
				12/23/10	41.13	---	833.25
PZ-5	---	873.83	52.5-57.5 fbg	11/30/09	41.98	---	831.85
				06/30/10	42.10	---	831.73
				09/30/10	40.89	---	832.94
				12/23/10	41.21	---	832.62
PZ-9	874.32	873.85		06/30/10	42.45	42.92	831.40
				09/30/10	43.78	44.25	830.07
				12/23/10	41.08	41.55	832.77
PZ-10	875.64	875.09		06/30/10	43.92	44.47	831.17
				09/30/10	42.70	43.25	832.39
				12/23/10	42.92	43.47	832.17

*Key:*

- \* = Well Screen Submerged
- msl = Mean Sea Level
- fbg = Feet Below Grade
- = Not Collected



Table 4 Groundwater Analytical Results, VOCs Analysis, Former Circus City Cleaners, Baraboo, Wisconsin

Well ID	Screened Interval	Water Table Elevation (fbg)	Date Sampled	Relevant and Significant VOC Analytical Results (µg/l)																								
				Benzene	n-Butylbenzene	sec-Butylbenzene	Bromodichloromethane	Bromoform	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans 1,2-Dichloroethene	Chloroethane	Chloroform	Chloromethane	Dibromochloromethane	1,2-Dichloropropane	Ethylbenzene	Isopropylbenzene	MTBE	Naphthalene	n-Propylbenzene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trimethylbenzenes	Vinyl Chloride	Xylenes
NR 140 Preventive Action Limit (µg/l)				0.5	NE	NE	0.06	0.44	0.7	7	20	80	0.6	0.3	6	0.5	140	NE	12	10	NE	0.5	200	40	0.5	96	0.02	1,000
NR 140 Enforcement Standard (µg/l)				5	NE	NE	0.6	4.4	7	70	100	400	6	3	60	5	700	NE	60	100	NE	5	1000	200	5	480	0.2	10,000
PZ100	59 - 64 fbg	42.07	08/18/09	<0.41	<1.5	<0.43	<0.41	<0.46	<0.47	<0.68	<0.61	<1.5	<0.48	<0.5	<0.76	<0.26	<0.87	<0.39	<0.5	<1.7	<0.33	<b>15.8</b>	<0.51	<0.46	<0.39	<2.6	<0.2	<2.13
			11/30/09	<0.41	<1.5	<0.43	<0.41	<0.46	<0.47	<0.68	<0.61	<1.5	<0.48	<0.5	<0.76	<0.26	<0.87	<0.39	<0.5	<1.7	<0.33	<b>14.4</b>	<0.51	<0.46	<0.39	<2.6	<0.2	<2.13
			06/30/10	<0.38	<0.94	<0.59	<0.64	<0.39	<0.7	<0.78	<1.3	<0.67	<0.32	<1.2	<1.1	<0.34	<0.55	<0.71	<0.25	<2.4	<0.67	<b>12.2</b>	<0.72	<0.53	<0.39	<1.20	<0.19	<1.62
			09/30/10	<0.38	<0.94	<0.59	<0.64	<0.39	<0.7	<0.78	<1.3	<0.67	<0.32	<1.2	<1.1	<0.34	<0.55	<0.71	<0.25	<2.4	<0.67	<b>11</b>	<0.72	<0.53	<0.39	<1.20	<0.19	<1.62
			12/23/10	<0.38	<0.94	<0.59	<0.64	<0.39	<0.7	<0.78	<1.3	<0.67	<0.32	<1.2	<1.1	<0.34	<0.55	<0.71	<0.25	<2.4	<0.67	<b>11.9</b>	<0.72	<0.53	<0.39	<1.20	<0.19	<1.62
PZ1000	61 - 66 fbg	43.34	08/18/09	<0.41	<1.5	<0.43	<0.41	<0.46	<0.47	<0.68	<0.61	<1.5	<0.48	<0.5	<0.76	<0.26	<0.87	<0.39	<0.5	<1.7	<0.33	<0.42	<0.51	<0.46	<0.39	<2.6	<0.2	<2.13
			11/30/09	<0.41	<1.5	<0.43	<0.41	<0.46	<0.47	<0.68	<0.61	<1.5	<0.48	<0.5	<0.76	<0.26	<0.87	<0.39	<0.5	<1.7	<0.33	<0.42	<0.51	<0.46	<0.39	<2.6	<0.2	<2.13
			06/30/10	<0.38	<0.94	<0.59	<0.64	<0.39	<0.7	<0.78	<1.3	<0.67	<0.32	<1.2	<1.1	<0.34	<0.55	<0.71	<0.25	<2.4	<0.67	<0.43	<0.72	<0.53	<0.39	<1.20	<0.19	<1.62
			09/30/10	<0.38	<0.94	<0.59	<0.64	<0.39	<0.7	<0.78	<1.3	<0.67	<0.32	<1.2	<1.1	<0.34	<0.55	<0.71	<0.25	<2.4	<0.67	<0.43	<0.72	<0.53	<0.39	<1.20	<0.19	<1.62
PZ1100			06/30/10	<19	<47	<29.5	<32	<19.5	<35	<39	<65	<33.5	<16	<60	<55	<17	<27.5	<35.5	<12.5	<120	<33.5	<b>2050</b>	<36	<26.5	<19.5	<60.0	<9.5	<81
			09/30/10	<19	<47	<29.5	<32	<19.5	<35	<39	<65	<33.5	<16	<60	<55	<17	<27.5	<35.5	<12.5	<120	<33.5	<b>4100</b>	<36	<26.5	<19.5	<60	<9.5	<81
			12/23/10	<19	<47	<29.5	<32	<19.5	<35	<39	<65	<33.5	<16	<60	<55	<17	<27.5	<35.5	<12.5	<120	<33.5	<b>4300</b>	<36	<26.5	<19.5	<60	<9.5	<81
DUP (MW-8)			12/23/10	<19	<47	<29.5	<32	<19.5	<35	<39	<65	<33.5	<16	<60	<55	<17	<27.5	<35.5	<12.5	<120	<33.5	<b>1090</b>	<36	<26.5	<19.5	<60	<9.5	<81

Key:  
 µg/l = micrograms per liter  
 NE = Not Established by Wis. Admin. Code  
 --- = Not analyzed  
**32** = NR 140 Preventive Action Limit  
**32** = NR 140 Enforcement Standard Exceeded  
 J = Analyte detected between Limit of Detection and Limit of Quantitation  
 fbg = Feet Below Grade  
 \* = Well Screen Submerged  
 \*\* = Higher Concentrations were detected in Duplicate Sample  
 Note: Groundwater samples collected from PZ9 and PZ10 on 12/23/10 were incorrectly labeled in field. Data was corrected when entered into this Groundwater samples collected from MW8 and PZ8 on 9/30/10 were incorrectly labeled in field. Data was corrected when entered into this



Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>Circus City Cleaners</b>		License/Permit/Monitoring Number <b>157005860</b>		Boring Number <b>B100</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm <b>Gary W MES</b>		Date Drilling Started <b>7/20/2009</b>		Date Drilling Completed <b>7/20/2009</b>	
Drilling Method <b>hollow stem auger</b>					
WI Unique Well No.	DNR Well ID No.	Common Well Name <b>PZ100</b>	Final Static Water Level <b>Feet MSL</b>	Surface Elevation <b>874.0 Feet MSL</b>	Borehole Diameter <b>6.0 inches</b>
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input checked="" type="checkbox"/> State Plane <b>N, E S/C/N</b>			Local Grid Location		
NW 1/4 of SE 1/4 of Section 35, T 12 N, R 6 E			Lat _____ ° _____ ' _____ " <input type="checkbox"/> N <input type="checkbox"/> E Long _____ ° _____ ' _____ " Feet <input type="checkbox"/> S Feet <input type="checkbox"/> W		
Facility ID	County <b>Sauk</b>	County Code <b>57</b>	Civil Town/City/ or Village <b>Baraboo</b>		

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			1 2 3 4 5 6 7 8 9 10 11 12	Blind drilled to 42.5 ft, Lithology assumed to be similar to B-2 of adjacent site, Broadway 66										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm <b>Bonestroo</b> 12075 N. Corporate Parkway, Suite 200 Mequon, Wisconsin, 53092	Tel: 262-241-4466 Fax: 262-241-4901
-----------	---	--

Boring Number **B100**

Use only as an attachment to Form 4400-122.

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Sample			Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)	Blow Counts							Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			13	Blind drilled to 42.5 ft, Lithology assumed to be similar to B-2 of adjacent site, Broadway 66 (continued)										
			14											
			15											
			16											
			17											
			18											
			19											
			20											
			21											
			22											
			23											
			24											
			25											
			26											
			27											
			28											
			29											
			30											
			31											
			32											





Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>Circus City Cleaners</b>		License/Permit/Monitoring Number <b>157005860</b>		Boring Number <b>B200</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm <b>Gary W MES</b>		Date Drilling Started <b>7/21/2009</b>		Date Drilling Completed <b>7/21/2009</b>	
Drilling Method <b>hollow stem auger</b>		WI Unique Well No. <b>MW200</b>		DNR Well ID No.	
Common Well Name <b>MW200</b>		Final Static Water Level <b>Feet MSL</b>		Surface Elevation <b>875.0 Feet MSL</b>	
Borehole Diameter <b>6.0 inches</b>		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input checked="" type="checkbox"/>		Local Grid Location	
State Plane <b>N, E S/C/N</b>		Lat _____ "		<input type="checkbox"/> N <input type="checkbox"/> E	
<b>NW 1/4 of SE 1/4 of Section 35, T 12 N, R 6 E</b>		Long _____ "		<input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID		County <b>Sauk</b>		County Code <b>57</b>	
				Civil Town/City/ or Village <b>Baraboo</b>	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
S201 SS	24 24		1	Asphalt Sand gravel fill				5							
			2	Silty sand, fine grained, poorly graded, with some small to medium gravel, brown (7.5YR5/3), moist, no odor	SM										
S202 SS	24 14	2 5 7 6	3	Sand, fine grained, poorly graded, from dark yellowish brown (10YR4/6) to light yellowish brown (10YR6/4) to brown (7.5YR5/3), moist, no odor				2							
S203 SS	24 19	4 5 7 8	5 6		SP			10							
S204 SS	24 24	4 5 6 6	8	Silty clay, firm, medium to low plasticity, brown (7.5YR5/3), moist, no odor	CL-ML			5							
			9	Silty sand, fine grained, poorly graded, brown (7.5YR5/3), moist, no odor											
S205 SS	24 22	4 4 4 5	10 11		SM			3							

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm <b>Bonestroo</b>	Tel: 262-241-4466
	12075 N. Corporate Parkway, Suite 200 Mequon, Wisconsin, 53092	Fax: 262-241-4901

Boring Number **B200**

Use only as an attachment to Form 4400-122.

Page 2 of 3

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
					SM									
S206 SS	24 20	6 11 14 17	13 14	Silty sand, fine grained, poorly graded, with some small to medium gravel, sub-angular, brown (7.5YR5/4), moist, no odor	SM			4						
S207 SS	24 20	5 13 25 16	15 16					8						
			17	Gravel	GP									
S208 SS	24 22	4 12 14 30	18 19	Silty sand, fine grained, poorly graded, with some fine to medium gravel, brown (7.5YR5/4), moist, no odor				2						
S209 SS	24 20	11 14 18 16	20 21		SM			6						
S210 SS	24	50/4	23 24	No recovery				46						
S211 SS	24 18	16 33 50/2	25 26	Silty sand, with some cobbles and small gravel, brown (7.5YR5/3), moist, no odor	GW			5						
S212 SS	24 18	15 10 33 50/4	28 29	Silty sand, with some cobbles and medium gravel, brown (7.5YR4/4), moist, no odor	GW			9						
S213 SS	24 18	12 50/5	30 31	Silty sand, with some cobbles and medium to large gravel, brown (7.5YR5/3), moist, no odor	GW			10						



Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>Circus City Cleaners</b>			License/Permit/Monitoring Number <b>157005860</b>		Boring Number <b>B300</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm <b>Gary W MES</b>			Date Drilling Started <b>7/21/2009</b>		Date Drilling Completed <b>7/21/2009</b>	
Drilling Method <b>hollow stem auger</b>						
WI Unique Well No.	DNR Well ID No.	Common Well Name <b>B300</b>	Final Static Water Level <b>Feet MSL</b>	Surface Elevation <b>Feet MSL</b>	Borehole Diameter <b>6.0 inches</b>	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input checked="" type="checkbox"/>			Local Grid Location			
State Plane <b>N, E S/C/N</b>			Lat _____ "			
<b>NW 1/4 of SE 1/4 of Section 35, T 12 N, R 6 E</b>			Long _____ "			
Feet <input type="checkbox"/> N <input type="checkbox"/> E		Feet <input type="checkbox"/> S <input type="checkbox"/> W				
Facility ID	County <b>Sauk</b>	County Code <b>57</b>	Civil Town/City/ or Village <b>Baraboo</b>			

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties						RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
S301 SS	24 24		1	Concrete				8							
			2	Silty sand with organics, fine grained, poorly graded, dark brown (7.5YR3/2), moist, no odor	SM										
S302 SS	24 24		3	Sand, fine grained, poorly graded, pinkish grey (7.5YR6/2), moist, no odor	SP			4							
			4												
S303 SS	24 24		5	Silty sand, fine grained, poorly graded, with some medium to large gravel, brown (7.5YR5/3), moist, no odor	GW			6							
			6	END OF BORING AT 6 FEET DUE TO REFUSAL.											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm <b>Bonestroo</b>	Tel: 262-241-4466
	12075 N. Corporate Parkway, Suite 200 Mequon, Wisconsin, 53092	Fax: 262-241-4901



Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>Circus City Cleaners</b>		License/Permit/Monitoring Number <b>157005860</b>		Boring Number <b>B400</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm <b>Gary W MES</b>		Date Drilling Started <b>7/21/2009</b>		Date Drilling Completed <b>7/21/2009</b>	
Drilling Method <b>hollow stem auger</b>		WI Unique Well No.		DNR Well ID No.	
Common Well Name <b>B400</b>		Final Static Water Level <b>Feet MSL</b>		Surface Elevation <b>Feet MSL</b>	
Borehole Diameter <b>6.0 inches</b>		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input checked="" type="checkbox"/>		Local Grid Location	
State Plane <b>N, E S/C/N</b>		Lat _____ "		<input type="checkbox"/> N <input type="checkbox"/> E	
<b>NW 1/4 of SE 1/4 of Section 35, T 12 N, R 6 E</b>		Long _____ "		Feet <input type="checkbox"/> S Feet <input type="checkbox"/> W	
Facility ID		County <b>Sauk</b>		County Code <b>57</b>	
				Civil Town/City/ or Village <b>Baraboo</b>	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
S401 SS	24	2	1	Asphalt				9						
	24	2		Sand and gravel fill										
S402 SS	24	2	2	Sand, fine grained, poorly graded, brown (7.5YR5/3), moist, no odor	SP			8						
	20	2												
	2	3												
	2	4												
S403 SS	24	4	5	Silty sand, fine grained, poorly graded, trace fine gravel, brown (7.5YR5/4), moist, no odor				7						
	24	6												
	7	6												
	7	7												
S404 SS	24	4	8		SM			5						
	20	5												
	5	8												
	4	9												
S405 SS	24	5	10					4						
	20	5												
	5	10												
	6	11												
			12	Clayey silt, firm, brown (7.5YR5/3), moist.	ML									

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm <b>Bonestroo</b>	Tel: 262-241-4466
	12075 N. Corporate Parkway, Suite 200 Mequon, Wisconsin, 53092	Fax: 262-241-4901

Boring Number **B400**

Use only as an attachment to Form 4400-122.

Page 2 of 3

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
				no odor	ML									
S406 SS	24 12	2 2 1 4	13 14	Silty sand, fine grained, poorly graded, some cobbles and medium to large gravel, brown (7.5YR5/3), moist, no odor				8						
S407 SS	24 20	5 5 6 7	15 16					10						
S408 SS	24 6	13 50/2	18		GW			5						
S409 SS	24 8	6 50/2	20					6						
S410 SS	24 16	21 19 16 13	23	Silty sand, fine grained, poorly graded, some cobbles and medium gravel, light brown (7.5YR6/3), moist, no odor				5						
S411 SS	24 24	10 14 21 20	25 26		GW			5						
S412 SS	24 18	15 23 28	28					6						
S413 SS	24 24	20 22 26 50/4	30 31	Silty sand, fine grained, poorly graded, some clay with cobbles and medium gravel, yellowish brown (10YR5/6), moist, no odor	GW			6						



Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>Circus City Cleaners</b>		License/Permit/Monitoring Number <b>157005860</b>		Boring Number <b>B500</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm <b>Gary W MES</b>		Date Drilling Started <b>7/23/2009</b>		Date Drilling Completed <b>7/23/2009</b>	
Drilling Method <b>hollow stem auger</b>					
WI Unique Well No.	DNR Well ID No.	Common Well Name <b>B500</b>	Final Static Water Level <b>Feet MSL</b>	Surface Elevation <b>Feet MSL</b>	Borehole Diameter <b>6.0 inches</b>
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input checked="" type="checkbox"/> State Plane <b>N, E S/C/N</b>			Local Grid Location		
NW 1/4 of SE 1/4 of Section 35, T 12 N, R 6 E			Lat _____ ' _____ "	<input type="checkbox"/> N <input type="checkbox"/> E	
			Long _____ ' _____ "	<input type="checkbox"/> S <input type="checkbox"/> W	

Facility ID	County <b>Sauk</b>	County Code <b>57</b>	Civil Town/City/ or Village <b>Baraboo</b>
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Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties						RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
SS01 SS	24 12	4 4 4	1	Asphalt				9							
				Sand and gravel fill											
				Sand, fine grained, poorly graded, brown (7.5YR5/3), moist, no odor	SP										
SS02 SS	24 18	1 1 1 3	3	Silty sand, fine grained, poorly graded, dark brown (7.5YR3/2) to strong brown (7.5YR5/6), moist, no odor	SM			9							
SS03 SS	24 20	4 6 8 8	5	Silty sand, fine grained, poorly graded, light brown (7.5YR6/4), moist, no odor	SM			8							
SS04 SS	24 22	2 3 6 9	8	Silty clay, firm, low to medium plasticity, brown (7.5YR4/3), moist	CL-ML			6							
SS05 SS	24 20	4 8 8 8	10	Clayey silt, some fine grained, poorly graded sand, brown (7.5YR5/4), moist, no odor	ML			6							

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm <b>Bonestroo</b> 12075 N. Corporate Parkway, Suite 200 Mequon, Wisconsin, 53092	Tel: 262-241-4466 Fax: 262-241-4901
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Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>Circus City Cleaners</b>		License/Permit/Monitoring Number <b>157005860</b>		Boring Number <b>B600</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm <b>Gary W MES</b>		Date Drilling Started <b>7/23/2009</b>		Date Drilling Completed <b>7/23/2009</b>	
Drilling Method <b>hollow stem auger</b>					
WI Unique Well No.	DNR Well ID No.	Common Well Name <b>B600</b>	Final Static Water Level <b>Feet MSL</b>	Surface Elevation <b>Feet MSL</b>	Borehole Diameter <b>6.0 inches</b>
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input checked="" type="checkbox"/>		State Plane <b>N, E S/C/N</b>		Local Grid Location	
NW 1/4 of SE 1/4 of Section 35, T 12 N, R 6 E		Lat _____ ' _____ "		Feet <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID		County <b>Sauk</b>	County Code <b>57</b>	Civil Town/City/ or Village <b>Baraboo</b>	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
S601 SS	24 12	5 5 4	1	Asphalt	SM			9						
				Silty sand, fine grained, poorly graded, light brown (7.5YR6/4), moist, no odor Sandy silt, dark brown (7.5YR3/2), moist, no odor	ML									
S602 SS	24 20	3 3 3 3	3	Silty sand, fine grained, poorly graded, yellowing brown (10YR5/6), moist, no odor				6						
S603 SS	24 18	4 6 8 7	5 6		SM			8						
S604 SS	24 20	2 3 5 7	8	Silty clay, medium to low plasticity, brown (7.5YR5/3), moist, no odor				8						
S605 SS	24 24	5 7 10 11	10 11		CL-ML			8						

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm <b>Bonestroo</b> 12075 N. Corporate Parkway, Suite 200 Mequon, Wisconsin, 53092	Tel: 262-241-4466 Fax: 262-241-4901
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Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>Circus City Cleaners</b>		License/Permit/Monitoring Number <b>157005860</b>		Boring Number <b>B700</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm <b>Gary W MES</b>		Date Drilling Started <b>7/24/2009</b>		Date Drilling Completed <b>7/24/2009</b>	
Drilling Method <b>hollow stem auger</b>		WI Unique Well No. <b>B700</b>		DNR Well ID No.	
Common Well Name <b>B700</b>		Final Static Water Level <b>Feet MSL</b>		Surface Elevation <b>Feet MSL</b>	
Borehole Diameter <b>6.0 inches</b>		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input checked="" type="checkbox"/> State Plane <b>N, E S/C/N</b>		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
NW 1/4 of SE 1/4 of Section 35, T 12 N, R 6 E		Lat _____ "		Long _____ "	
Facility ID		County <b>Sauk</b>		County Code <b>57</b>	
				Civil Town/City/ or Village <b>Baraboo</b>	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties						RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
S701 SS	24 20	7 14	7 14	Topsoil				10							
		7 5	1	Silty sand, fine grained, poorly graded, brown (7.5YR4/2) changing to brown (7.5YR5/4) at 2.5 feet, moist, no odor											
S702 SS	24 17	4 5 7 8	3 4		SM			15							
S703 SS	24 16	3 5 7 14	5 6	Silty sand, fine grained, poorly graded, some clay, brown (7.5YR4/4), moist, no odor	SM			15							
S704 SS	24 8	17 18 16 30	8 9	Silty sand, fine grained, poorly graded, with some cobbles and medium gravel, light brown (7.5YR6/3) to brown (7.5YR5/3), moist, no odor				24							
S705 SS	24 19	8 7 13 19	10 11		GW			15							

I hereby certify that the information on this form is true and correct to the best of my knowledge.


Signature	Firm <b>Bonestroo</b>	Tel: 262-241-4466
	12075 N. Corporate Parkway, Suite 200 Mequon, Wisconsin, 53092	Fax: 262-241-4901



Boring Number **B700**

Use only as an attachment to Form 4400-122.

Page 3 of 3

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
				END OF BORING AT 32.5 FEET DUE TO REFUSAL.	GW									

Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>Circus City Cleaners</b>		License/Permit/Monitoring Number <b>157005860</b>		Boring Number <b>B800</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm <b>Gary W MES</b>		Date Drilling Started <b>7/24/2009</b>		Date Drilling Completed <b>7/24/2009</b>	
Drilling Method <b>hollow stem auger</b>		WI Unique Well No.		DNR Well ID No.	
Common Well Name <b>B800</b>		Final Static Water Level <b>Feet MSL</b>		Surface Elevation <b>Feet MSL</b>	
Borehole Diameter <b>6.0 inches</b>		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input checked="" type="checkbox"/> State Plane <b>N, E S/C/N</b>		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
NW 1/4 of SE 1/4 of Section 35, T 12 N, R 6 E		Lat _____ "		Long _____ "	
Facility ID		County <b>Sauk</b>		County Code <b>57</b>	
				Civil Town/City/ or Village <b>Baraboo</b>	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties						RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
S801 SS	24 8	3 9	8 7	1	Topsoil			3							
				2	Silty sand, with some small gravel, dark brown (7.5YR3/2), moist	SM									
S802 SS	24 18	3 4	4 7	3	Silty sand, fine grained, poorly graded, brown (7.5YR5/3), moist, no odor			4							
				4		SM									
S803 SS	24 20	5 6	6 5	5	Silty sand, fine grained, poorly graded, light brown (7.5YR6/4), moist, no odor			2							
				6		SM									
S804 SS	24 18	3 4	5 8	8	Sandy silt, with some clay, firm, brown (7.5YR4/4), moist, no odor			5							
				9		ML									
S805 SS	24 11	3 4	3 2	10				5							
				11	Silty sand, fine grained, poorly graded, brown (7.5YR4/4), moist, no odor	SM									
				12											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm <b>Bonestroo</b> 12075 N. Corporate Parkway, Suite 200 Mequon, Wisconsin, 53092	Tel: 262-241-4466 Fax: 262-241-4901
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Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>Circus City Cleaners</b>		License/Permit/Monitoring Number <b>157005860</b>		Boring Number <b>B900</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm <b>Gary W MES</b>		Date Drilling Started <b>7/24/2009</b>		Date Drilling Completed <b>7/24/2009</b>	
Drilling Method <b>hollow stem auger</b>		WI Unique Well No. <b>MW900</b>		DNR Well ID No.	
Common Well Name <b>MW900</b>		Final Static Water Level <b>Feet MSL</b>		Surface Elevation <b>875.9 Feet MSL</b>	
Borehole Diameter <b>6.0 inches</b>		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input checked="" type="checkbox"/>		Local Grid Location	
State Plane <b>N, E S/C/N</b>		Lat _____ "		<input type="checkbox"/> N <input type="checkbox"/> E	
<b>NW 1/4 of SE 1/4 of Section 35, T 12 N, R 6 E</b>		Long _____ "		<input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID		County <b>Sauk</b>		County Code <b>57</b>	
				Civil Town/City/ or Village <b>Baraboo</b>	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
S901 SS	24	1	1	Topsoil				3						
	24	1	1	Silty sand, with organics, black (7.5YR2.5/1), moist, non odor										
		1	1											
S902 SS	24	1	1	Silty sand, fine grained, poorly graded, brown (7.5YR5/3), moist, no odor	SM			6						
	16	1	3											
		2	3											
S903 SS	24	3	5	Silty sand, fine grained, poorly graded, light yellow brown (10YR5/4), moist, no odor	SM			6						
	20	2	6											
		2	7											
S904 SS	24		8	No recovery										
S905 SS	24	3	10	Silty sand, fine grained, poorly graded, light yellowish brown (10YR6/4), moist, no odor	SM			2						
	12	3	11											
		3	9											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm <b>Bonestroo</b>	Tel: 262-241-4466
	12075 N. Corporate Parkway, Suite 200 Mequon, Wisconsin, 53092	Fax: 262-241-4901

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Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>Circus City Cleaners</b>		License/Permit/Monitoring Number <b>157005860</b>		Boring Number <b>B1000</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm <b>Gary W MES</b>		Date Drilling Started <b>7/27/2009</b>		Date Drilling Completed <b>7/27/2009</b>	
Drilling Method <b>hollow stem auger</b>		WI Unique Well No.		DNR Well ID No.	
Common Well Name <b>PZ1000</b>		Final Static Water Level <b>Feet MSL</b>		Surface Elevation <b>875.7 Feet MSL</b>	
Borehole Diameter <b>6.0 inches</b>		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input checked="" type="checkbox"/> State Plane <b>N, E S/C/N</b>		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
NW 1/4 of SE 1/4 of Section 35, T 12 N, R 6 E		Lat _____ "		Long _____ "	

Facility ID	County <b>Sauk</b>	County Code <b>57</b>	Civil Town/City/ or Village <b>Baraboo</b>
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Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			1 2 3 4 5 6 7 8 9 10 11 12	Blind drilled to 52.5 feet. Lithology assumed to be similar to adjacent boring B900										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm <b>Bonestroo</b> 12075 N. Corporate Parkway, Suite 200 Mequon, Wisconsin, 53092	Tel: 262-241-4466 Fax: 262-241-4901
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Boring Number **B1000**

Use only as an attachment to Form 4400-122.

Page 2 of 4

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			13	Blind drilled to 52.5 feet. Lithology assumed to be similar to adjacent boring B900 <i>(continued)</i>										
			14											
			15											
			16											
			17											
			18											
			19											
			20											
			21											
			22											
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			25											
			26											
			27											
			28											
			29											
			30											
			31											
			32											

Boring Number **B1000**

Use only as an attachment to Form 4400-122.

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Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			33	Blind drilled to 52.5 feet. Lithology assumed to be similar to adjacent boring B900 <i>(continued)</i>										
			34											
			35											
			36											
			37											
			38											
			39											
			40											
			41											
			42											
			43											
			44											
			45											
			46											
			47											
			48											
			49											
			50											
			51											
			52											



Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>Circus City Cleaners</b>		License/Permit/Monitoring Number <b>157005860</b>		Boring Number <b>B1100</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm <b>Craig Plant Groundsource</b>		Date Drilling Started <b>6/17/2010</b>		Date Drilling Completed <b>6/17/2010</b>	
Drilling Method <b>rotary (air or mud)</b>		WI Unique Well No. <b>VX635</b>		DNR Well ID No.	
Common Well Name <b>PZ1100</b>		Final Static Water Level <b>Feet MSL</b>		Surface Elevation <b>875.5 Feet MSL</b>	
Borehole Diameter <b>6.0 inches</b>		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input checked="" type="checkbox"/> State Plane <b>N, E S/C/N</b>		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
NW 1/4 of SE 1/4 of Section 35, T 12 N, R 6 E		Lat _____ "		Long _____ "	
Facility ID		County <b>Sauk</b>		County Code <b>57</b>	
				Civil Town/City/ or Village <b>Baraboo</b>	

Sample				Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties						RQD/ Comments
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet						Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
			1 2 3 4 5 6 7 8 9 10 11 12	Blind drilled to 30 ft. Lithology assumed to be similar to adjacent boring B700											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm <b>Bonestroo</b>	Tel: 262-241-4466
	12075 N. Corporate Parkway, Suite 200 Mequon, Wisconsin, 53092	Fax: 262-241-4901

Boring Number **B1100**

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Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			13	Blind drilled to 30 ft. Lithology assumed to be similar to adjacent boring B700 <i>(continued)</i>										
			14											
			15											
			16											
			17											
			18											
			19											
			20											
			21											
			22											
			23											
			24											
			25											
			26											
			27											
			28											
			29											
			30		Sand, fine grained, poorly graded, with some cobbles and small gravel, pale brown (10YR6/3), moist, no odor	GW		9						
			31											
			32											

S1101  
GRAB

24

Boring Number **B1100**

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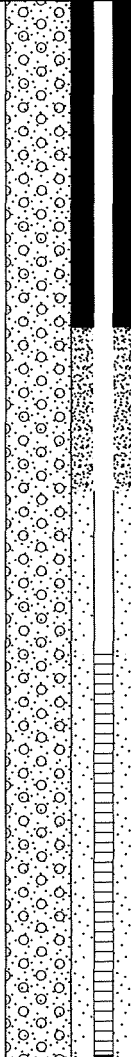

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			33	Sand, fine grained, poorly graded, with some cobbles and small gravel, pale brown (10YR6/3), moist, no odor(continued)	GW									
			34											
			35											
			36											
			37											
			38											
			39											
			40											
			41											
			42											
			43	Silty sand, fine grained, poorly graded, with cobbles and gravel, brown (7.5YR5/3), moist, no odor	GW			10						
			44											
			45											
			46											
			47											
			48											
			49											
			50											
			51											
			52											
S1102 GRAB	24													
S1103 GRAB	24							8						



Boring Number **B1100**

Use only as an attachment to Form 4400-122.

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Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			53	Silty sand, fine grained, poorly graded, with cobbles and gravel, brown (7.5YR5/3), moist, no odor( <i>continued</i> )	GW			10						
			54											
			55											
			56											
			57											
			58											
			59											
			60											
S1104 GRAB	24		61											
			62											
			63											
			64											
			65						END OF BORING AT 65 FEET.					

Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>Circus City Cleaners</b>		License/Permit/Monitoring Number <b>157005860</b>		Boring Number <b>B1200</b>	
Boring Drilled By: Name of crew chief (first, last) and Firm <b>Craig Plant Groundsource</b>		Date Drilling Started <b>6/17/2010</b>		Date Drilling Completed <b>6/17/2010</b>	
Drilling Method <b>hollow stem auger</b>		WI Unique Well No. <b>VX636</b>		DNR Well ID No.	
Common Well Name <b>MW1200</b>		Final Static Water Level <b>Feet MSL</b>		Surface Elevation <b>875.5 Feet MSL</b>	
Borehole Diameter <b>6.0 inches</b>		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input checked="" type="checkbox"/> State Plane <b>N, E S/C/N</b>		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
NW 1/4 of SE 1/4 of Section 35, T 12 N, R 6 E		Lat _____ ' _____ "		Long _____ ' _____ "	
Facility ID		County <b>Sauk</b>		County Code <b>57</b>	
				Civil Town/City/ or Village <b>Baraboo</b>	

Sample	Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
										Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
S1201 SS	24	24	2 2 2 3	1	Topsoil Organics, very dark grey (7.5YR3/1), moist, no odor				1						
S1202 SS	24	24	3 3 3 4	3	Sand, fine grained, poorly graded	SP			0						
S1203 SS	24	24	3 3 3 3	5 6	Clayey sand, brown (7.5YR4/3), moist, no odor	SP-SC			1						
S1204 SS	24	24	7 8 11 14	8	Silty sand, with cobbles and medium to large gravel, brown (7.5YR5/4), moist, no odor	GW			2						
S1205 SS	24	22	15 21 50/3	10 11					1						

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm <b>Bonestroo</b>	Tel: 262-241-4466
	12075 N. Corporate Parkway, Suite 200 Mequon, Wisconsin, 53092	Fax: 262-241-4901

Boring Number **B1200**

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Page **2** of **3**

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
S1206 SS	24	18	18	Silty sand, with cobbles and medium to large gravel, brown (7.5YR5/4), moist, no odor <i>(continued)</i>	GW			2						
	24	23	13											
	27													
	50/2	14												
S1207 SS	24	21	15											
	24	12	16											
	18													
	50/1	17												
S1208 SS	24	16	18											
	24	18	19											
	12													
	13													
S1209 SS	24	50/3	20											
	16		21											
			22											
			23											
			24											
			25											
			26											
			27											
			28											
			29											
			30											
			31											
			32											
				Blind drilled from 22 to 50 feet. Lithology assumed to be similar to boring B1100.	GW									



BORING LOG

PROJECT: Circus City

BORING NUMBER: B100

LOCATION: Baraboo

LOGGED BY: JAB

WELL LOCATION:	DRILLER: M&S - Gary	DATE: 7-20-09	START	END
GROUND ELEVATION:	RIG: SS, Drill	TIME:	920	1530
TOTAL DEPTH: 65	GROUND SURFACE: Concrete	COMPLETED AS:		
BORING DIA: 4	FLUID: —	P2100		

DEPTH	SAMPLE	BLOWS	RECOVERY	TT	TA	PIO	DESCRIPTION AND COMMENTS
0-2							Blind Drill Lithology Assumed similar to B-2
2.5-4.5							
5-7							
7.5-9.5							
10-12							
12.5-14.5							
15-17							
17.5-19.5							
20-22							
22.5-24.5							

BORING LOG

PROJECT: Circus City

BORING NUMBER: B100

LOCATION: Bamboo

LOGGED BY: JUB

WELL LOCATION:	DRILLER: MES - Gary	DATE: 7-20-09	START	END
GROUND ELEVATION:	RIG: SS, Drill	TIME:	920	
TOTAL DEPTH: 65	GROUND SURFACE: Concrete	COMPLETED AS:		
BORING DIA: 4	FLUID: -	P2100		

DEPTH	SAMPLE	BLOWS	RECOVERY	TT	TA	PID	DESCRIPTION AND COMMENTS
25'-27'							
27.5'-29.5'							
30-32							
32.5'-34.5'							
35-37							
37.5'-39.5'							
40-42							
42.5'-44.5'	S101	7 11	24	1030	1045	2	Silly Sand fine gr., Poorly graded, w/ some small to med gravel, Pale Brown 10YR 6/3, Saturated no odor
45-47	S102	9 50/2	9	1039	1056	2	SAA,
47.5'-49.5'	S103	4 9 8 8	20	1050	1107	2	Silly Sand fine gr. Some small to med gravel Yellowish brown 10YR 5/6, Sat. no odor

114



BORING LOG

PROJECT: Circus City

BORING NUMBER: B200

LOCATION: Baraboo

LOGGED BY: JLB

WELL LOCATION:	DRILLER: MES - Casey	DATE: 7-21-09	START	END
GROUND ELEVATION:	RIG: DCM - 55	TIME:	900	
TOTAL DEPTH:	GROUND SURFACE: Asphalt	COMPLETED AS:		
BORING DIA: 4.25	FLUID: -	mud 200		

DEPTH	SAMPLE	BLOWS	RECOVERY	TT	TA	PID	DESCRIPTION AND COMMENTS
0-2	S201		24	910	928	5	2" Asphalt, Sand gravel fill changing to silty sand w/ some small to med gravel. S.g. P.g. Brown 7.5YR 5/3, moist, no odor
2.5-4.5	S202	2					Sand, S.g. P.g. dark yellowish brown, 10% 1/4" clumps, to light yellowish brown, 10% 1/4" at 4'. moist, no odor
		5	14	912	934	2	
		7					
		6					
5-7	S203	4					Sand, S.g. P.g. brown 7.5YR 5/3, moist, no odor
		5	19	916	936	10	
		7					
		8					
7.5-9.5	S204	4					Silty clay, S.g. med to low plasticity. Brown 7.5YR 5/3 changing at 8.2' to silty sand. S.g. P.g. Brown 7.5YR 5/3, moist, no odor
		5	24	921	943	5	
		6					
		6					
10-12	S205	4					Silty sand, S.g. P.g. Brown 7.5YR 5/3, moist, no odor
		4	22	927	947	3	
		5					
		6					
12.5-14.5	S206	6					Silty sand S.g. P.g. w/ some small to med gravel, sub angular, brown 7.5YR 5/4, moist, no odor
		11	20	932	949	4	
		14					
		17					
15-17	S207	5					SNA, changing to gravel from 16.5-17'
		13	20	940	959	8	
		25					
		16					
17.5-19.5	S208	4					Silty sand S.g. P.g. w/ some med gravel, Brown 7.5YR 5/4, moist, no odor
		12	22	950	1012	2	
		14					
		30					
20-22	S209	11					Silty sand, S.g. P.g. w/ some fine to med gravel, brown 7.5YR 5/4, moist, no odor
		14	20	959	1020	6	
		12					
		16					
22.5-24.5	S210	40	-	850	-	-	No Recovery
		50					



BORING LOG

PROJECT: *Crows Creek*  
 LOCATION: *Buckhorn*

BORING NUMBER: *B200*

LOGGED BY: *SAS*

WELL LOCATION:	DRILLER: <i>MES - Gray</i>	DATE: <i>7-22-09</i>	START	END
GROUND ELEVATION:	RIG: <i>D-111 - 35</i>	TIME:	<i>200</i>	
TOTAL DEPTH: <i>50</i>	GROUND SURFACE: <i>1332.4</i>	COMPLETED AS:		
BORING DIA: <i>3.25</i>	FLUID: <i>—</i>	<i>BW200</i>		

DEPTH	SAMPLE	BLOWS	RECOVERY	TT	TA	PID	DESCRIPTION AND COMMENTS
25'-27'	5214	16 33 50 1/2	18	905	921	5	Silty sand, some small gravel & cobbles light brown, moist, no odor
27.5'-29.5'	5212	15 16 33 50 1/2	18	922	935	9	Silty sand, some small gravel & cobbles brown 7.5% clay, moist, no odor
30-32'	5213	12 50 1/2	18	933	947	10	Silty sand, some small gravel & cobbles brown 7.5% clay, moist, no odor
32.5'-34.5'	5211	60 1/4	—	945	—	—	No Recovery (large gravel wedged in screen)
35-37'	5215	26 56 50 1/2	12	1002	1023	7	Sand & gravel, light brown, moist light brown 7.5% clay, moist, no odor
37.5'-39.5'	5216	28 35 50 17	14	1026	1038	9	Silty sand, light brown, moist light brown 7.5% clay, moist, no odor
40-42'	5217	10 15 20 20	24	1032	1046	8	Silty sand, light brown, moist light brown 7.5% clay, moist, no odor
42.5'-44.5'	518	10 17 7	14	1048	1108	6	SAA, sand, no odor
45-47'	5219	9 14 10 21	18	1100	1117	7	SAA
47.5'-49.5'	5220						150s @ 47' Due to refusal (Screen 20' - 49')

BORING LOG

PROJECT: Cicero City

BORING NUMBER: B300

LOCATION: Barnaboo

LOGGED BY: JRB

WELL LOCATION:	DRILLER: J.S.	DATE: 7-21-09	START	END
GROUND ELEVATION:	RIG: Hand Auger	TIME:	905	
TOTAL DEPTH: 10'	GROUND SURFACE Concrete	COMPLETED AS:		
BORING DIA: 3"	FLUID: -	B300		

DEPTH	SAMPLE	BLOWS	RECOVERY	TT	TA	PID	DESCRIPTION AND COMMENTS
0-2	S301	-	24	915	935	8	3" concrete, silty sand w/ organic, s.s. & dark brown 1.5% 3/2, moist, no odor
2-4 <del>2.5-4.5</del>	S302	-	24	925	943	4	Sand, s.s. & Pines 2.5% 3/2, moist, no odor
4-6 <del>5-7</del>	S303	-	24	935	950	6	Sand, s.s. & Pines 2.5% 3/2, moist, no odor
6-8 <del>7-8</del> 9.5	S304	-	24				EOB @ 6' Refusal
8-10 <del>10-12</del>	S305	-	24				
12.5- 14.5							
15-17							
17.5- 19.5							
20-22							
22.5- 24.5							

BORING LOG

PROJECT: Circus City  
 LOCATION: 9245-400

BORING NUMBER: B400  
 LOGGED BY: JRB

WELL LOCATION:	DRILLER: MES - Gung	DATE: 7-21-09	START	END
GROUND ELEVATION:	RIG: D50	TIME:	1250	
TOTAL DEPTH: 45'	GROUND SURFACE: asphalt	COMPLETED AS:		
BORING DIA: 3"	FLUID: —	B400		

DEPTH	SAMPLE	BLOWS	RECOVERY	TT	TA	PID	DESCRIPTION AND COMMENTS
0-2	S401	2					3' Asphalt sand fill
		2	24	1253	1304	9	
		2					
		2					
2.5-4.5	S402	2					sand, silty, brown, 1/2" cl, moist, sandy
		2	20	1255	1313	7	
		2					
		2					
5-7	S403	4					sand, silty, brown, 1/2" cl, moist, sandy
		0	24	1305	1319	7	
		7					
		7					
7.5-9.5	S404	4					sand, silty, brown, 1/2" cl, moist, sandy
		1	20	1307	1327	5	
		1					
		1					
10-12	S405	5					SAA, changed to clayey silty sand, brown, silty, moist, sandy
		5	20	1313	1331	4	
		6					
		5					
12.5-14.5	S406	2					sand, silty, brown, 1/2" cl, moist, sandy
		2	12	1312	1340	8	
		1					
		1					
15-17	S407	5					SAA, silty sand, moist, sandy
		5	20	1324	1345	10	
		6					
		1					
17.5-19.5	S408	12					SAA, silty sand, moist, sandy
		6	12	1321	1345	6	
		1					
		1					
20-22	S409	6					SAA, silty sand, moist, sandy
		6	17	1335	1350	6	
		1					
		1					
22.5-24.5	S410	21					SAA, silty sand, moist, sandy
		17	16	1314	1401	5	
		16					
		13					

BORING LOG

PROJECT: *XXXXXX*

BORING NUMBER: *1000*

LOCATION: *XXXXXX*

LOGGED BY: *JB*

WELL LOCATION:	DRILLER:	DATE: <i>7/20/03</i>	START	END
GROUND ELEVATION:	RIG:	TIME:		
TOTAL DEPTH: <i>49.5'</i>	GROUND SURFACE: <i>1550'</i>	COMPLETED AS: <i>BLCC</i>		
BORING DIA:	FLUID:			

DEPTH	SAMPLE	BLOWS	RECOVERY	TT	TA	PIO	DESCRIPTION AND COMMENTS
25'-27'		10					<i>25' sand, silty, yellowish brown, medium to coarse</i>
		14	27	1350	1464	5	
		21					
		26					
27.5'-29.5'	S412		?		1408	6	<i>27.5' sand, silty, yellowish brown, medium to coarse</i>
		7					
30'-32'	S413	20			1408	6	<i>30' sand, silty, yellowish brown, medium to coarse</i>
		25	24				
32.5'-34.5'	S414	20			1493	7	<i>32.5' sand, silty, yellowish brown, medium to coarse</i>
		25	20				
35'-37'	S415	20			1431		<i>35' sand, silty, yellowish brown, medium to coarse</i>
		25					
37.5'-39.5'	S416	21			1504	7	<i>37.5' sand, silty, yellowish brown, medium to coarse</i>
		27	22				
		28					
40'-42'	S417	12			1502	3	<i>40' sand, silty, yellowish brown, medium to coarse</i>
		31	20				
		31					
42.5'-44.5'	S418	12			1515	2	<i>42.5' sand, silty, yellowish brown, medium to coarse</i>
		13	20				
		15					
45'-47'		19					<i>End @ 49.5'</i>
47.5'-49.5'							

BORING LOG

PROJECT: Carroll City  
 LOCATION: Beckley

BORING NUMBER: B500

LOGGED BY: JAB

WELL LOCATION:	DRILLER: <u>mbs - G...</u>	DATE: <u>7-23-09</u>	START	END
GROUND ELEVATION:	RIG: <u>Dur-55</u>	TIME:	<u>155</u>	
TOTAL DEPTH: <u>45</u>	GROUND SURFACE: <u>asph</u>	COMPLETED AS:		
BORING DIA: <u>3.25</u>	FLUID: <u>-</u>	<u>B500</u>		

DEPTH	SAMPLE	BLOWS	RECOVERY	TT	TA	PID	DESCRIPTION AND COMMENTS
0-2	5501	4					4" Asphalt changing to sand & gravel fill changing at 10" to sand f.g. p.g. brown 7.5% <sup>1/2</sup> s <sub>1/4</sub> , moist, no odor
		4	12	910	925	9	
		4					
2.5-4.5	5502	1					Silty sand f.g. p.g. dark brown 7.5% <sup>1/2</sup> changing to strong brown 2.5% <sup>1/2</sup> at 3.5' moist, no odor
		1	18	913	930	9	
		3					
5-7	5503	4					Silty sand f.g. p.g. light brown 7.5% <sup>1/2</sup> 1/4, moist, no odor
		6	20	918	936	8	
		8					
7.5-9.5	5504	2					SAA top 2", changing to silty clay fine sand changing to silty clay, moist, changing at 9' to clayey silty, brown 7.5% <sup>1/2</sup> s <sub>1/4</sub> , moist, no odor
		3	22	923	940		
		6					
10-12	5505	4					Clayey silty, sand f.g. p.g. sand brown 2.5% <sup>1/2</sup> 1/4, moist, no odor
		8	20	927	945	6	
		8					
12.5-14.5	5506	6					No Recovery
		9		938			
		10					
15-17	5507	11					Silty sand f.g. p.g. silty med subangular gravel brown 7.5% <sup>1/2</sup> s <sub>1/4</sub> , moist, no odor
		15	13	939	956	5	
		10					
17.5-19.5	5508	10					Silty sand f.g. p.g. silty med gravel & cobbles brown 7.5% <sup>1/2</sup> s <sub>1/4</sub> , moist, no odor
		22	18	950	1007	6	
		29					
20-22	5509	6	18				SAA
		13		1030	1047	8	
		15					
22.5-24.5	5510	50/5					No Recovery
				1040			

BORING LOG

PROJECT: Circus City

BORING NUMBER: B500

LOCATION: Bernaboo

LOGGED BY: JUB

WELL LOCATION:	DRILLER: MES - Gary	DATE: 7-23-09	START	END
GROUND ELEVATION:	RIG: 13A - 25	TIME:	255	
TOTAL DEPTH: 45	GROUND SURFACE: 1049	COMPLETED AS:		
BORING DIA: 3.25	FLUID: -	B500		

DEPTH	SAMPLE	BLOWS	RECOVERY	TT	TA	PID	DESCRIPTION AND COMMENTS
25-27	SS11	29 50/4	3"	1049	1107	12	Silty Sand f. g. P. 2, w/ gravel & pebbles, brown 7.572 1/3, moist, no odor
27.5-29.5	SS12	38 34 49 50/5	20	1102	1120	12	SAA
30-32	SS13	31 38 50/3	16	1117	1133	11	SAA
32.5-34.5	SS14	27 41 43 48	20	1138	1154	6	SAA
35-37	SS15	17 25 32 33	24	1153	1212	6	SAA
37.5-39.5	SS16	12 16 14 14	24	1209	1225	3	SAA
40-42	SS17	10 17 21 20	18	1218	1243	5	Silty Sand f. g. P. 2 w/ med gravel, light brown 7.572 1/3, sat at 42' no odor
42.5-44.5	SS17	6 13 22 26	14	1232	1248	5	SAA, sat, no odor
45-47							E60 @ 45'
47.5-49.5							

1305 Sample B500 water - VOC

BORING LOG

PROJECT: Circus City  
 LOCATION: Barcelona

BORING NUMBER: B600  
 LOGGED BY: JNB

WELL LOCATION:	DRILLER: MES - Garcia	DATE: 7-23-09	START	END
GROUND ELEVATION:	RIG: DFM 55	TIME:	1340	
TOTAL DEPTH: 45	GROUND SURFACE: Asphalt	COMPLETED AS:		
BORING DIA: 3.25	FLUID: —	B600		

DEPTH	SAMPLE	BLOWS	RECOVERY	TT	TA	PID	DESCRIPTION AND COMMENTS
0-2	S601	5					4" Asphalt, 3" Silty sand, f.g. p.g. light brown 7.5YR 6/4, moist, changing to sandy silty, dark brown 7.5YR 3/2, moist No odor
		5	12	1350	1426	9	
		4					
2.5-4.5	S602	3					1" Sandy silt (SAA) changing to silty sand f.g. p.g. Yellowish brown 10YR 6/4 moist, no odor
		3	26	1353	1411	6	
		3					
5-7	S603	4					Silty sand f.g. p.g. Yellowish brown 10YR 6/4, moist, no odor
		6	18	1357	1416	8	
		8					
7.5-9.5	S604	2					SAA top 1" changing to silty clay, med plasticity, brown 7.5YR 5/3, moist, no odor
		3	20	1401	1419	2	
		5					
10-12	S605	5					silty clay, low plasticity, brown 7.5YR 5/3, moist, no odor
		7	24	1405	1425	2	
		11					
12.5-14.5	S606	2					clayey silt, light brown 7.5YR 6/4, moist, with sand f.g. p.g. bands from 7"-8", 12"-14"
		2	24	1410	1430	8	
		7					
15-17	S607	7					SAA to 15.5', changing to silty sand f.g. p.g. Brown 7.5YR 5/3, moist, No odor
		13	20	1415	1433	6	
		16					
17.5-19.5	S608	50/1					No Recovery cobbles
				1420			
20-22	S609	10					Silty sand f.g. p.g. but some med gravel brown 7.5YR 5/4, moist, no odor
		10	24	1425	1443	9	
		11					
22.5-24.5	S610	6					SAA
		50/4	12	1433	1447	7	

BORING LOG

PROJECT: Cicero City  
 LOCATION: Baraboo

BORING NUMBER: B600  
 LOGGED BY: JAB

WELL LOCATION:	DRILLER: MES - Gary	DATE: 7-23-09	START	END
GROUND ELEVATION:	RIG: Drill - SS	TIME:	1340	
TOTAL DEPTH: 45	GROUND SURFACE: A <sub>3</sub> 301.14	COMPLETED AS:		
BORING DIA: 3.25	FLUID: -	B600		

DEPTH	SAMPLE	BLOWS	RECOVERY	TT	TA	PIO	DESCRIPTION AND COMMENTS
25'-27'	5611	21 24 50/4	16	1440	1457	7	Silty sand Fg. P. w/ med gravel & cobbles brown 7.5 YR 5/3, moist, no odor
27.5'-29.5'	5612	37 50/4	7	1453	1512	11	SAA, color changed Brown 7.5 YR 5/2.
30'-32'	5613	50/5	-	1459	-	-	No Recovery
32.5'-34.5'	5614	13 21 17	9	1508	1530	3	Silty sand Fg. P. some med gravel, light brown 7.5 YR 5/4, moist, no odor
35'-37'	5615	14 21	13	1517	1536	3	Silty sand Fg. P. Brown 7.5 YR 5/4, moist, no odor
37.5'-39.5'	5616	18 17 5	20	1530	1547	1	Silty sand Fg. P. w/ med gravel, brown 7.5 YR 5/3, moist, no odor
40'-42'	5617	14 15 15 21	19	1549	1608	5	Silty sand, Fg. P. trace med gravel, light brown 7.5 YR 6/3, sat at 42' no odor
42.5'-44.5'	5618	6 8 9 15	24	1559	1615	5	SAA, sat,
45'-47'							
47.5'-49.5'							

1620 Water Sample B600-VOC



BORING LOG

PROJECT: *Green Hill*

BORING NUMBER: B700

LOCATION: *Green Hill*

LOGGED BY: JRB

WELL LOCATION:	DRILLER: <i>Miss - Green</i>	DATE: <i>1-20-08</i>	START:	END:
GROUND ELEVATION:	RIG: <i>Deere 55</i>	TIME:		
TOTAL DEPTH: <i>32.5</i>	GROUND SURFACE: <i>22.5</i>	COMPLETED AS: <i>PTC</i>		
BORING DIA: <i>3.125</i>	FLUID: <i>-</i>			

DEPTH	SAMPLE	BLOWS	RECOVERY	TT	TA	PID	DESCRIPTION AND COMMENTS
0-2	5701	7					<i>3" Topsoil changing to silty sand</i>
		14	26	725	741	10	
		7					
		5					
2.5-4.5	5702	4					<i>Silty sand, fine grained, brown, moist, no odor</i>
		5	17	728	745	15	
		7					
5-7	5703	3					<i>Silty sand, coarse grained, brown, moist, no odor</i>
		5	16	735	753	15	
		7					
7.5-9.5	5704	17					<i>Silty sand, S<sub>2</sub> P<sub>2</sub> med med gravel, light brown, moist, no odor</i>
		18	7	745	802	24	
		16					
10-12	5705	9					<i>SAA, Brown 7.5 YR 5/3</i>
		7	19	753	811	15	
		13					
12.5-14.5	5706	19					<i>Silty Sand, S<sub>2</sub> P<sub>2</sub> med med gravel &amp; some cobbles, brown 7.5 YR 5/3, moist, no odor</i>
		19	16	807	820	11	
		22					
15-17	5707	12					<i>SAA</i>
		14	24	815	831	9	
		19					
17.5-19.5	5708	8					<i>SAA, Brown 7.5 YR 5/3</i>
		20	24	837	853	11	
		24					
20-22	5709	23					<i>SAA</i>
		27	18	848	912	8	
		29					
22.5-24.5	5710	17					<i>SAA</i>
		50/4	10	903	917	9	

BORING LOG

PROJECT: Circus City  
 LOCATION: Baseline

BORING NUMBER: B700

LOGGED BY: JLB

WELL LOCATION:	DRILLER: MES-C	DATE: 7-20-05	START	END
GROUND ELEVATION:	RIG: D-25	TIME:		
TOTAL DEPTH: 45	GROUND SURFACE: 25-55	COMPLETED AS: 93700		
BORING DIA: 3.25	FLUID: -			

DEPTH	SAMPLE	BLOWS	RECOVERY	TT	TA	PID	DESCRIPTION AND COMMENTS
25'-27'	5711	40 31	8	919	933	4	Silt & sand, fine gr. w/ occasional pebbles no water
27.5'-29.5'	5712	10	-	924	-	-	No Recovery (cobbles)
30'-32'	5713	16 19 50%	12	935	953	3	Silt & sand, fine gr. w/ small to med sized pebbles, few water, no water no water
32.5'-34.5'	5714						Refusal BOB @ 32.5' (due to air being too water content)
35'-37'	5715						
37.5'-39.5'	5716						
40'-42'	5717						
42.5'-44.5'	5718						
45'-47'							
47.5'-49.5'							

BORING LOG

PROJECT: Circus City

BORING NUMBER: B800

LOCATION: Bamboo

LOGGED BY: JAB

WELL LOCATION:	DRILLER: MES - Gary	DATE: 7-24-08	START	END
GROUND ELEVATION:	RIG: D-11 - SS	TIME:	1040	
TOTAL DEPTH: 22.5'	GROUND SURFACE: grass	COMPLETED AS:		
BORING DIA: 3.25	FLUID: —	B800		

DEPTH	SAMPLE	BLOWS	RECOVERY	TT	TA	PID	DESCRIPTION AND COMMENTS
0-2	S801	3					3" Topsoil, Silty sand with small gravel dark brown 7.5% <sup>1/2</sup> , moist, changing to silty sand fg. brown 7.5% <sup>1/2</sup> , moist, no odor
		7	8	1045	1100	3	
		8					
		7					
2.5-4.5	S802	3					silty sand fg. brown 7.5% <sup>1/2</sup> fg no odor
		4	18	1050	1112	4	
		4					
5-7	S803	5					silty sand, fg. brown light brown 7.5% <sup>1/2</sup> fg, moist, no odor
		6	20	1055	1115	2	
		5					
7.5-9.5	S804	3					Sandy silty sand + clay, fg. brown 7.5% <sup>1/2</sup> fg, moist, no odor
		4	18	1100	1118	5	
		5					
10-12	S805	3					Silt to 11' changing back to silty sand fg. brown 7.5% <sup>1/2</sup> fg, no odor
		4	11	1104	1122	5	
		3					
		2					
12.5-14.5	S806	30					silty sand fg. brown 7.5% <sup>1/2</sup> fg cobbles, brown 7.5% <sup>1/2</sup> fg, moist, no odor
		30	8	1115	1133	7	
		50/4					
15-17	S807	50/2	—	1122	—	—	No recovery
17.5-19.5	S808	—	—	1128	—	—	Drill through, heavy cobbles
20-22	S809	7					silty sand, fg. brown 7.5% <sup>1/2</sup> fg cobbles
		15	20	1136	1150	3	
		25 50/4					
22.5-24.5	S810						Auger Refused at 22.5'

End at 22.5'

BORING LOG

PROJECT: Circus City  
 LOCATION: Barbours

BORING NUMBER: B900  
 LOGGED BY: JAB

WELL LOCATION:	DRILLER: MES - Gary	DATE: 7-24-09	START	END
GROUND ELEVATION:	RIG: Drill - SS	TIME:	1245	
TOTAL DEPTH: 65'	GROUND SURFACE: grass	COMPLETED AS:		
BORING DIA: 4.25	FLUID: —	MW900		

DEPTH	SAMPLE	BLOWS	RECOVERY	TT	TA	PIO	DESCRIPTION AND COMMENTS
0-2	S901	1					3" topsoil changing to silty sand brown 7.5 YR 2.5/1, moist, powder
		1	24	1256	1307	3	
		1					
2.5-4.5	S902	1					SAA to 4' changing to silty sand s.g.p.c. brown 7.5 YR 2.5/3, moist, no cl. cl.
		2	16	1252	1314	6	
		3					
5-7	S903	2					Silty sand s.g.p.c. brown 7.5 YR 2.5/3, strong at 5.5' to silty sand, s.g.p.c. light yellowish brown 10 YR 5/4, moist, no cl. cl.
		2	10	1254	1317	6	
		2					
7.5-9.5	S904	2	-	1326	-	-	No Recovery (Rock in end of spurs)
		2					
		3					
10-12	S905	3					Silty sand s.g.p.c. light yellowish brown 10 YR 5/4 moist, no cl. cl.
		3	12	1331	1347	2	
		9					
12.5-14.5	S906	6					SAA
		6	10	1338	1400	5	
		9					
15-17	S907	7					Silty sand s.g.p.c. red sand brown 10 YR 5/4, moist, powder
		7	20	1350	1412	6	
		8					
17.5-19.5	S908	6					SAA
		14	22	1410	1426	5	
		21					
20-22	S909	39					No Rec.
		50/4	-	1520	-	-	
22.5-24.5	S910	20					No Rec.
		34	-	1511	-	-	
		50/11					

BORING LOG

PROJECT: Circus City

BORING NUMBER: B900

LOCATION: Barcelona

LOGGED BY: JAB

WELL LOCATION:	DRILLER: MGS - G...	DATE: May 1979	START	END
GROUND ELEVATION:	RIG: 92011 - 03	TIME:	1245	
TOTAL DEPTH: 65	GROUND SURFACE: 859.35	COMPLETED AS:		
BORING DIA: 4.25	FLUID: —	MW700		

DEPTH	SAMPLE	BLOWS	RECOVERY	TT	TA	PIO	DESCRIPTION AND COMMENTS
25'-27'	5911	13					Silty sand, fine gr. silty sand, silty clay, moist to plastic
		25	22	1535	1545	4	
		36					
		29					
27.5'-29.5'	5912	8					Sandy silty, fine brown, 2.5% H <sub>2</sub> O, moist, non plastic
		11	24	1537	1555	4	
		23					
30-32'	5913	17					SAA changing at 30.5' to silty sand, fine gr. silty sand, silty clay, 7.5% H <sub>2</sub> O, moist, non plastic
		11	20	1548	1606	3	
		14					
32.5'-34.5'	5914	30					Silty sand, fine gr. silty sand, silty clay, 11% H <sub>2</sub> O, moist to hard
		34	14	1600	1618	5	
		37					
35-37'	5915	17					SAA, non plastic, 11% H <sub>2</sub> O,
		27	14	1611	1630	10	
37.5'-39.5'	5916	14					Silty sand, fine gr. silty sand, silty clay, 11% H <sub>2</sub> O, moist to hard
		28	20	1626	1642	9	
		32					
40-42'	5917	15					SAA
		30	18	1638	1655	6	
		40					
42.5'-44.5'	5918	8					Silty sand, fine gr. silty sand, silty clay, 11% H <sub>2</sub> O, moist to hard
		13	20	1650	1710	5	
		12					
45-47'	5919	8					SAA, non plastic, 11% H <sub>2</sub> O,
		10	10	1657	1715	9	
		11					
47.5'-49.5'	5920	5					SAA
		7	24	1706	1721	14	
		11					

(Secur 35-50)

40.00 50'





BORING LOG

PROJECT: 4055 Circus City

BORING NUMBER: B1200

LOCATION: Baraboo

LOGGED BY: JEB

WELL LOCATION:	DRILLER: Groundsource - Craig	DATE: 6-17-10	START	END
GROUND ELEVATION:	RIG: Well drilling	TIME:	2:45	
TOTAL DEPTH: 50'	GROUND SURFACE: Grass	COMPLETED AS:		
BORING DIA: 6"	FLUID: —	MW1200		

DEPTH	SAMPLE	BLOWS	RECOVERY	TT	TA	PID	DESCRIPTION AND COMMENTS
0-2	S1201	2					Topsoil. Very dark gray, 7.5% R <sub>3</sub> , organics moist, no odor
		2	24	1447	1506	1	
		2					
		3					
2.5' 4.5	S1202	3					SAA, changing to Sand, f.g. R <sub>3</sub> = 0'
		3	24	1453	1515	0	
		4					
5-7	S1203	3					Clayey Sand, brown 7.5% R <sub>3</sub> , moist, no odor
		3	24	1457	1520	1	
		3					
		3					
7.5' 9.5'	S1204	7					Silty Sand w/ need to large gravel, brown 7.5% R <sub>3</sub> , moist, no odor
		8	24	1506	1525	2	
		11					
10-12	S1205	15					SAA
		21	22	1509	1530	1	
12.5' 14.5	S1206	18					Silty Sand w/ some need to large gravel f.g. R <sub>3</sub> Brown 7.5% R <sub>3</sub> , moist, no odor
		23	24	1518	1540	2	
		27					
		50/3					
15-17	S1207	21					SAA
		12	24	1522	1545	3	
		18					
17.5' 19.5	S1208	16					SAA
		18	24	1528	1545	6	
		12					
20' 22	S1209	50/3	16	1534	1550	3	SAA, large gravel.
							Blind Drill 1, 50' 600 @ 50'
							Secured 35-50'

JD & NY 63K

Set 12/11-16/10



# Attachment D – Monitoring Well Construction Forms

Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name Circus City Cleaners		Local Grid Location of Well _____ ft. <input type="checkbox"/> N. _____ ft. <input type="checkbox"/> E. _____ ft. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> W.		Well Name <b>PZ100</b>	
Facility License, Permit or Monitoring No. 157005860		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input checked="" type="checkbox"/>		Wis. Unique Well No. / DNR Well Number	
Facility ID		St. Plane _____ ft. N. _____ ft. E. S/C/N		Date Well Installed 07/20/2009	
Type of Well Well Code 12/pz		Section Location of Waste/Source NW 1/4 of SE 1/4 of Sec. 35, T. 12 N, R. 6 <input checked="" type="checkbox"/> E <input type="checkbox"/> W		Well Installed By: (Person's Name and Firm) Gary W	
Distance from Waste/Source ft.		Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known		Gov. Lot Number	
Enf. Stds. Apply <input type="checkbox"/>				MES	

A. Protective pipe, top elevation \_\_\_\_\_ ft. MSL  
 B. Well casing, top elevation 873.60 ft. MSL  
 C. Land surface elevation 874.0 ft. MSL  
 D. Surface seal, bottom \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.

12. USCS classification of soil near screen:  
 GP  GM  GC  GW  SW  SP   
 SM  SC  ML  MH  CL  CH   
 Bedrock

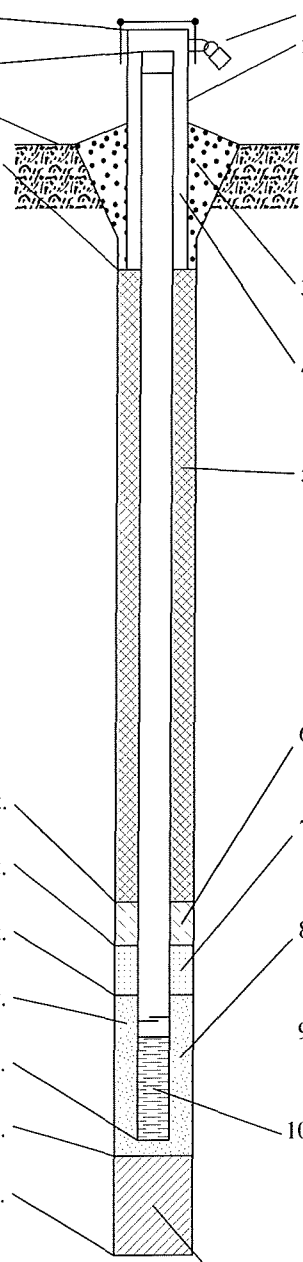
13. Sieve analysis attached?  Yes  No

14. Drilling method used: Rotary  5 0  
 Hollow Stem Auger  4 1  
 \_\_\_\_\_ Other

15. Drilling fluid used: Water  0 2 Air  0 1  
 Drilling Mud  0 3 None  9 9

16. Drilling additives used?  Yes  No  
 Describe \_\_\_\_\_

17. Source of water (attach analysis, if required):  
 \_\_\_\_\_



1. Cap and lock?  Yes  No

2. Protective cover pipe:  
 a. Inside diameter: 8.0 in.  
 b. Length: 1.0 ft.  
 c. Material: Steel  0 4  
 \_\_\_\_\_ Other

d. Additional protection?  Yes  No  
 If yes, describe: \_\_\_\_\_

3. Surface seal: Bentonite  3 0  
 Concrete  0 1  
 \_\_\_\_\_ Other

4. Material between well casing and protective pipe:  
 Bentonite  3 0  
 \_\_\_\_\_ Other

5. Annular space seal: a. Granular/Chipped Bentonite  3 3  
 b. \_\_\_\_\_ Lbs/gal mud weight . . . Bentonite-sand slurry  3 5  
 c. \_\_\_\_\_ Lbs/gal mud weight . . . Bentonite slurry  3 1  
 d. \_\_\_\_\_ % Bentonite . . . Bentonite-cement grout  5 0  
 e. \_\_\_\_\_ Ft<sup>3</sup> volume added for any of the above  
 f. How installed: Tremie  0 1  
 Tremie pumped  0 2  
 Gravity  0 8

6. Bentonite seal: a. Bentonite granules  3 3  
 b.  1/4 in.  3/8 in.  1/2 in. Bentonite chips  3 2  
 c. \_\_\_\_\_ Other

7. Fine sand material: Manufacturer, product name & mesh size  
 a. Red Flint  
 b. Volume added \_\_\_\_\_ ft<sup>3</sup>

8. Filter pack material: Manufacturer, product name & mesh size  
 a. Red Flint 20  
 b. Volume added \_\_\_\_\_ ft<sup>3</sup>

9. Well casing: Flush threaded PVC schedule 40  2 3  
 Flush threaded PVC schedule 80  2 4  
 \_\_\_\_\_ Other

10. Screen material: PVC  
 a. Screen Type: Factory cut  1 1  
 Continuous slot  0 1  
 \_\_\_\_\_ Johnson \_\_\_\_\_ Other

b. Manufacturer \_\_\_\_\_  
 c. Slot size: 0.010 in.  
 d. Slotted length: 5.0 ft.

11. Backfill material (below filter pack): None  1 4  
 \_\_\_\_\_ Other

E. Bentonite seal, top 874.0 ft. MSL or 0.0 ft.  
 F. Fine sand, top 819.0 ft. MSL or 55.0 ft.  
 G. Filter pack, top 817.0 ft. MSL or 57.0 ft.  
 H. Screen joint, top 815.0 ft. MSL or 59.0 ft.  
 I. Well bottom 810.0 ft. MSL or 64.0 ft.  
 J. Filter pack, bottom 809.0 ft. MSL or 65.0 ft.  
 K. Borehole, bottom 809.0 ft. MSL or 65.0 ft.  
 L. Borehole, diameter 6.0 in.  
 M. O.D. well casing 2.40 in.  
 N. I.D. well casing 2.04 in.

I hereby certify that the information on this form is true and correct to the best of my knowledge.  
 Signature \_\_\_\_\_ Firm **Bonestroo, Incorporated** Tel: (920) 592-8400  
 954 Circle Drive Green Bay, WI 54304 Fax: (920) 592-8444

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name Circus City Cleaners		Local Grid Location of Well _____ ft. <input type="checkbox"/> N. _____ ft. <input type="checkbox"/> E. _____ ft. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> W.		Well Name MW200	
Facility License, Permit or Monitoring No. 157005860		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input checked="" type="checkbox"/>		Wis. Unique Well No. _____ DNR Well Number _____	
Facility ID		St. Plane _____ ft. N. _____ ft. E. S/C/N		Date Well Installed 07/21/2009	
Type of Well Well Code 11/mw		Section Location of Waste/Source NW 1/4 of SE 1/4 of Sec. 35, T. 12 N, R. 6 <input checked="" type="checkbox"/> E <input type="checkbox"/> W		Well Installed By: (Person's Name and Firm) Gary W	
Distance from Waste/Source _____ ft.		Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known		Gov. Lot Number _____	
Enf. Stds. Apply <input type="checkbox"/>				MES	

A. Protective pipe, top elevation \_\_\_\_\_ ft. MSL  
B. Well casing, top elevation 874.24 ft. MSL  
C. Land surface elevation 875.0 ft. MSL  
D. Surface seal, bottom \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.

12. USCS classification of soil near screen:  
GP  GM  GC  GW  SW  SP   
SM  SC  ML  MH  CL  CH   
Bedrock

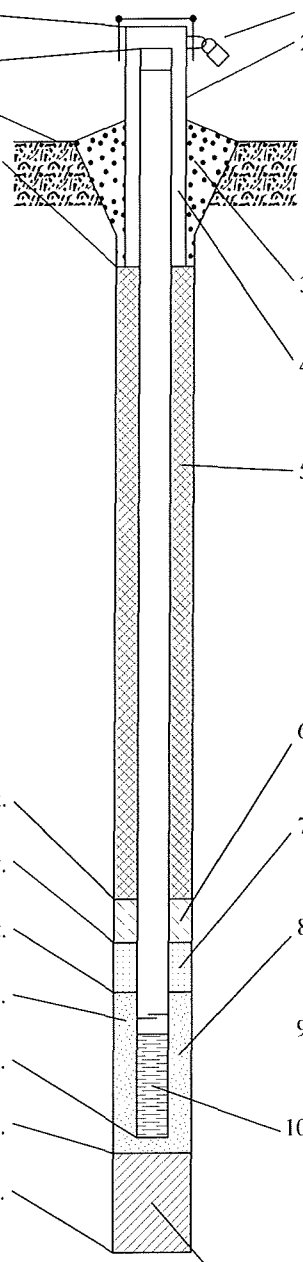
13. Sieve analysis attached?  Yes  No

14. Drilling method used: Rotary  5 0  
Hollow Stem Auger  4 1  
Other

15. Drilling fluid used: Water  0 2 Air  0 1  
Drilling Mud  0 3 None  9 9

16. Drilling additives used?  Yes  No  
Describe \_\_\_\_\_

17. Source of water (attach analysis, if required):  
\_\_\_\_\_



1. Cap and lock?  Yes  No

2. Protective cover pipe:  
a. Inside diameter: 8.0 in.  
b. Length: 1.0 ft.  
c. Material: Steel  0 4  
Other

d. Additional protection?  Yes  No  
If yes, describe: \_\_\_\_\_

3. Surface seal:  
Bentonite  3 0  
Concrete  0 1  
Other

4. Material between well casing and protective pipe:  
Bentonite  3 0  
Other

5. Annular space seal:  
a. Granular/Chipped Bentonite  3 3  
b. \_\_\_\_\_ Lbs/gal mud weight . . . Bentonite-sand slurry  3 5  
c. \_\_\_\_\_ Lbs/gal mud weight . . . Bentonite slurry  3 1  
d. \_\_\_\_\_ % Bentonite . . . Bentonite-cement grout  5 0  
e. \_\_\_\_\_ Ft<sup>3</sup> volume added for any of the above  
f. How installed: Tremie  0 1  
Tremie pumped  0 2  
Gravity  0 8

6. Bentonite seal:  
a. Bentonite granules  3 3  
b.  1/4 in.  3/8 in.  1/2 in. Bentonite chips  3 2  
c. \_\_\_\_\_ Other

7. Fine sand material: Manufacturer, product name & mesh size  
a. Red Flint  
b. Volume added \_\_\_\_\_ ft<sup>3</sup>

8. Filter pack material: Manufacturer, product name & mesh size  
a. Red Flint  
b. Volume added \_\_\_\_\_ ft<sup>3</sup>

9. Well casing: Flush threaded PVC schedule 40  2 3  
Flush threaded PVC schedule 80  2 4  
Other

10. Screen material: PVC  
a. Screen Type: Factory cut  1 1  
Continuous slot  0 1  
Johnson Other

b. Manufacturer \_\_\_\_\_  
c. Slot size: 0.010 in.  
d. Slotted length: 15.0 ft.

11. Backfill material (below filter pack):  
None  1 4  
Other

E. Bentonite seal, top 875.0 ft. MSL or 0.0 ft.  
F. Fine sand, top 847.0 ft. MSL or 28.0 ft.  
G. Filter pack, top 845.0 ft. MSL or 30.0 ft.  
H. Screen joint, top 843.0 ft. MSL or 32.0 ft.  
I. Well bottom 828.0 ft. MSL or 47.0 ft.  
J. Filter pack, bottom 828.0 ft. MSL or 47.0 ft.  
K. Borehole, bottom 828.0 ft. MSL or 47.0 ft.  
L. Borehole, diameter 6.0 in.  
M. O.D. well casing 2.40 in.  
N. I.D. well casing 2.04 in.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature \_\_\_\_\_ Firm Bonestroo, Incorporated Tel: (920) 592-8400  
954 Circle Drive Green Bay, WI 54304 Fax: (920) 592-8444

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name Circus City Cleaners		Local Grid Location of Well _____ ft. <input type="checkbox"/> N. _____ ft. <input type="checkbox"/> E. _____ ft. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> W.		Well Name MW900	
Facility License, Permit or Monitoring No. 157005860		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input checked="" type="checkbox"/>		Wis. Unique Well No. DNR Well Number	
Facility ID		St. Plane _____ ft. N. _____ ft. E. S/C/N		Date Well Installed 07/24/2009	
Type of Well Well Code 11/mw		Section Location of Waste/Source NW 1/4 of SE 1/4 of Sec. 35, T. 12 N, R. 6 <input checked="" type="checkbox"/> E <input type="checkbox"/> W		Well Installed By: (Person's Name and Firm) Gary W	
Distance from Waste/Source ft.		Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known		Gov. Lot Number	
Enf. Stds. Apply <input type="checkbox"/>				MES	

A. Protective pipe, top elevation _____ ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation <u>875.55</u> ft. MSL	2. Protective cover pipe: a. Inside diameter: <u>8.0</u> in. b. Length: <u>1.0</u> ft. c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
C. Land surface elevation <u>875.9</u> ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
D. Surface seal, bottom _____ ft. MSL or _____ ft.	3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input checked="" type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 Other <input type="checkbox"/>
13. Sieve analysis attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight . . . Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite . . . Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft <sup>3</sup> volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/>	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99	7. Fine sand material: Manufacturer, product name & mesh size a. <u>Red Flint</u> b. Volume added _____ ft <sup>3</sup>
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____	8. Filter pack material: Manufacturer, product name & mesh size a. <u>Red Flint</u> b. Volume added _____ ft <sup>3</sup>
17. Source of water (attach analysis, if required): _____	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
E. Bentonite seal, top <u>875.9</u> ft. MSL or <u>0.0</u> ft.	10. Screen material: <u>PVC</u> a. Screen Type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 <u>Johnson</u> Other <input type="checkbox"/>
F. Fine sand, top <u>844.9</u> ft. MSL or <u>31.0</u> ft.	b. Manufacturer _____ c. Slot size: <u>0.010</u> in. d. Slotted length: <u>15.0</u> ft.
G. Filter pack, top <u>842.9</u> ft. MSL or <u>33.0</u> ft.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>
H. Screen joint, top <u>840.9</u> ft. MSL or <u>35.0</u> ft.	
I. Well bottom <u>825.9</u> ft. MSL or <u>50.0</u> ft.	
J. Filter pack, bottom <u>825.9</u> ft. MSL or <u>50.0</u> ft.	
K. Borehole, bottom <u>825.9</u> ft. MSL or <u>50.0</u> ft.	
L. Borehole, diameter <u>6.0</u> in.	
M. O.D. well casing <u>2.40</u> in.	
N. I.D. well casing <u>2.04</u> in.	

I hereby certify that the information on this form is true and correct to the best of my knowledge.  
Signature \_\_\_\_\_ Firm Bonestroo Tel: 262-241-4466  
12075 N. Corporate Parkway, Suite 200 Mequon, Wisconsin, 53092 Fax: 262-241-4901

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name Circus City Cleaners		Local Grid Location of Well _____ ft. <input type="checkbox"/> N. _____ ft. <input type="checkbox"/> E. _____ ft. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> W.		Well Name PZ1000	
Facility License, Permit or Monitoring No. 157005860		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input checked="" type="checkbox"/> Lat. _____ " Long. _____ " or		Wis. Unique Well No. _____ DNR Well Number _____	
Facility ID _____		St. Plane _____ ft. N. _____ ft. E. S/C/N _____		Date Well Installed 07/27/2009	
Type of Well Well Code 12/pz		Section Location of Waste/Source NW 1/4 of SE 1/4 of Sec. 35, T. 12 N, R. 6 <input checked="" type="checkbox"/> E <input type="checkbox"/> W		Well Installed By: (Person's Name and Firm) Gary W	
Distance from Waste/Source _____ ft.		Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known		Gov. Lot Number _____	
Enf. Stds. Apply <input type="checkbox"/>				MES	

A. Protective pipe, top elevation _____ ft. MSL	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation <u>875.08</u> ft. MSL	
C. Land surface elevation <u>875.7</u> ft. MSL	
D. Surface seal, bottom _____ ft. MSL or _____ ft.	

12. USCS classification of soil near screen:  
 GP  GM  GC  GW  SW  SP   
 SM  SC  ML  MH  CL  CH   
 Bedrock

13. Sieve analysis attached?  Yes  No

14. Drilling method used: Rotary  5 0  
 Hollow Stem Auger  4 1  
 \_\_\_\_\_ Other

15. Drilling fluid used: Water  0 2 Air  0 1  
 Drilling Mud  0 3 None  9 9

16. Drilling additives used?  Yes  No  
 Describe \_\_\_\_\_

17. Source of water (attach analysis, if required):  
 \_\_\_\_\_

The diagram shows a vertical well casing with various components labeled 1 through 11. At the top is a cap and lock (1) and a protective cover pipe (2). Below the casing is a surface seal (3) and material between the casing and protective pipe (4). An annular space seal (5) is located below the casing. A bentonite seal (6) is shown with granules or chips. Below the bentonite seal is fine sand material (7) and filter pack material (8). The well casing (9) is flush threaded PVC schedule 40. The screen material (10) is PVC with a factory cut screen type. Backfill material (11) is located below the filter pack.

1. Cap and lock?  Yes  No

2. Protective cover pipe:  
 a. Inside diameter: 8.0 in.  
 b. Length: 1.0 ft.  
 c. Material: Steel  0 4  
 Other   
 d. Additional protection?  Yes  No  
 If yes, describe: \_\_\_\_\_

3. Surface seal: Bentonite  3 0  
 Concrete  0 1  
 Other

4. Material between well casing and protective pipe:  
 Bentonite  3 0  
 Other

5. Annular space seal: a. Granular/Chipped Bentonite  3 3  
 b. \_\_\_\_\_ Lbs/gal mud weight . . . Bentonite-sand slurry  3 5  
 c. \_\_\_\_\_ Lbs/gal mud weight . . . Bentonite slurry  3 1  
 d. \_\_\_\_\_ % Bentonite . . . Bentonite-cement grout  5 0  
 e. \_\_\_\_\_ Ft<sup>3</sup> volume added for any of the above  
 f. How installed: Tremie  0 1  
 Tremie pumped  0 2  
 Gravity  0 8

6. Bentonite seal: a. Bentonite granules  3 3  
 b.  1/4 in.  3/8 in.  1/2 in. Bentonite chips  3 2  
 c. \_\_\_\_\_ Other

7. Fine sand material: Manufacturer, product name & mesh size  
 a. Red Flint  
 b. Volume added \_\_\_\_\_ ft<sup>3</sup>

8. Filter pack material: Manufacturer, product name & mesh size  
 a. Red Flint  
 b. Volume added \_\_\_\_\_ ft<sup>3</sup>

9. Well casing: Flush threaded PVC schedule 40  2 3  
 Flush threaded PVC schedule 80  2 4  
 Other

10. Screen material: PVC  
 a. Screen Type: Factory cut  1 1  
 Continuous slot  0 1  
Johnson Other

b. Manufacturer \_\_\_\_\_  
 c. Slot size: 0.010 in.  
 d. Slotted length: 5.0 ft.

11. Backfill material (below filter pack): None  1 4  
 Other

E. Bentonite seal, top <u>875.7</u> ft. MSL or <u>0.0</u> ft.	
F. Fine sand, top <u>819.7</u> ft. MSL or <u>56.0</u> ft.	
G. Filter pack, top <u>817.7</u> ft. MSL or <u>58.0</u> ft.	
H. Screen joint, top <u>815.7</u> ft. MSL or <u>60.0</u> ft.	
I. Well bottom <u>810.7</u> ft. MSL or <u>65.0</u> ft.	
J. Filter pack, bottom <u>810.7</u> ft. MSL or <u>65.0</u> ft.	
K. Borehole, bottom <u>810.7</u> ft. MSL or <u>65.0</u> ft.	
L. Borehole, diameter <u>6.0</u> in.	
M. O.D. well casing <u>2.40</u> in.	
N. I.D. well casing <u>2.04</u> in.	

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature \_\_\_\_\_ Firm Bonestroo Tel: 262-241-4466  
 12075 N. Corporate Parkway, Suite 200 Mequon, Wisconsin, 53092 Fax: 262-241-4901

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Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name Circus City Cleaners	Local Grid Location of Well _____ ft. <input type="checkbox"/> N. _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> W.	Well Name <b>PZ1100</b>
Facility License, Permit or Monitoring No. 157005860	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input checked="" type="checkbox"/> Lat. _____ ° _____ ' _____ " Long. _____ ° _____ ' _____ " or	Wis. Unique Well No. DNR Well Number VX635
Facility ID	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed 06/17/2010
Type of Well Well Code 12/pz	Section Location of Waste/Source NW 1/4 of SE 1/4 of Sec. 35, T. 12 N, R. 6 <input checked="" type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: (Person's Name and Firm) Craig Plant
Distance from Waste/Source ft.	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Gov. Lot Number GroundSource

A. Protective pipe, top elevation \_\_\_\_\_ ft. MSL  
B. Well casing, top elevation 875.11 ft. MSL  
C. Land surface elevation 875.5 ft. MSL  
D. Surface seal, bottom \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.

12. USCS classification of soil near screen:  
GP  GM  GC  GW  SW  SP   
SM  SC  ML  MH  CL  CH   
Bedrock

13. Sieve analysis attached?  Yes  No

14. Drilling method used: Rotary  5 0  
Hollow Stem Auger  4 1  
Other

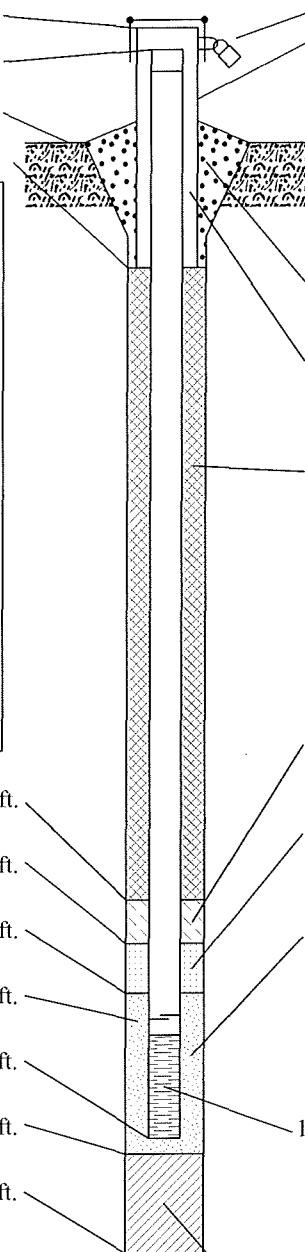
15. Drilling fluid used: Water  0 2 Air  0 1  
Drilling Mud  0 3 None  9 9

16. Drilling additives used?  Yes  No

Describe \_\_\_\_\_

17. Source of water (attach analysis, if required):  
\_\_\_\_\_

E. Bentonite seal, top 875.5 ft. MSL or 0.0 ft.  
F. Fine sand, top 819.5 ft. MSL or 56.0 ft.  
G. Filter pack, top 817.5 ft. MSL or 58.0 ft.  
H. Screen joint, top 815.5 ft. MSL or 60.0 ft.  
I. Well bottom 810.5 ft. MSL or 65.0 ft.  
J. Filter pack, bottom 810.5 ft. MSL or 65.0 ft.  
K. Borehole, bottom 810.5 ft. MSL or 65.0 ft.  
L. Borehole, diameter 6.0 in.  
M. O.D. well casing 2.40 in.  
N. I.D. well casing 2.04 in.



1. Cap and lock?  Yes  No  
2. Protective cover pipe:  
a. Inside diameter: 8.0 in.  
b. Length: 1.0 ft.  
c. Material: Steel  0 4  
Other   
d. Additional protection?  Yes  No  
If yes, describe: \_\_\_\_\_  
3. Surface seal: Bentonite  3 0  
Concrete  0 1  
Other   
4. Material between well casing and protective pipe: Bentonite  3 0  
Other   
5. Annular space seal: a. Granular/Chipped Bentonite  3 3  
b. \_\_\_\_\_ Lbs/gal mud weight . . . Bentonite-sand slurry  3 5  
c. \_\_\_\_\_ Lbs/gal mud weight . . . Bentonite slurry  3 1  
d. \_\_\_\_\_ % Bentonite . . . Bentonite-cement grout  5 0  
e. \_\_\_\_\_ Ft<sup>3</sup> volume added for any of the above  
f. How installed: Tremie  0 1  
Tremie pumped  0 2  
Gravity  0 8  
6. Bentonite seal: a. Bentonite granules  3 3  
b.  1/4 in.  3/8 in.  1/2 in. Bentonite chips  3 2  
c. \_\_\_\_\_ Other   
7. Fine sand material: Manufacturer, product name & mesh size  
a. Badger 40/60  
b. Volume added \_\_\_\_\_ ft<sup>3</sup>  
8. Filter pack material: Manufacturer, product name & mesh size  
a. Badger 20/40  
b. Volume added \_\_\_\_\_ ft<sup>3</sup>  
9. Well casing: Flush threaded PVC schedule 40  2 3  
Flush threaded PVC schedule 80  2 4  
Other   
10. Screen material: PVC  
a. Screen Type: Factory cut  1 1  
Continuous slot  0 1  
Monoflex Other   
b. Manufacturer \_\_\_\_\_  
c. Slot size: 0.010 in.  
d. Slotted length: 5.0 ft.  
11. Backfill material (below filter pack): None  1 4  
Other

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature \_\_\_\_\_ Firm **Bonestroo, Incorporated** Tel: (920) 592-8400  
954 Circle Drive Green Bay, WI 54304 Fax: (920) 592-8444

Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name Circus City Cleaners		Local Grid Location of Well _____ ft. <input type="checkbox"/> N. _____ ft. <input type="checkbox"/> E. _____ ft. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> W.		Well Name MW1200	
Facility License, Permit or Monitoring No. 157005860		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input checked="" type="checkbox"/>		Wis. Unique Well No. DNR Well Number VX636	
Facility ID		St. Plane _____ ft. N. _____ ft. E. S/C/N		Date Well Installed 06/17/2010	
Type of Well Well Code 11/mw		Section Location of Waste/Source NW 1/4 of SE 1/4 of Sec. 35, T. 12 N, R. 6 <input checked="" type="checkbox"/> E <input type="checkbox"/> W		Well Installed By: (Person's Name and Firm) Craig Plant	
Distance from Waste/Source _____ ft.		Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known		Gov. Lot Number	
Enf. Stds. Apply <input type="checkbox"/>				GroundSource	

A. Protective pipe, top elevation \_\_\_\_\_ ft. MSL  
 B. Well casing, top elevation 874.97 ft. MSL  
 C. Land surface elevation 875.5 ft. MSL  
 D. Surface seal, bottom \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.

12. USCS classification of soil near screen:  
 GP  GM  GC  GW  SW  SP   
 SM  SC  ML  MH  CL  CH   
 Bedrock

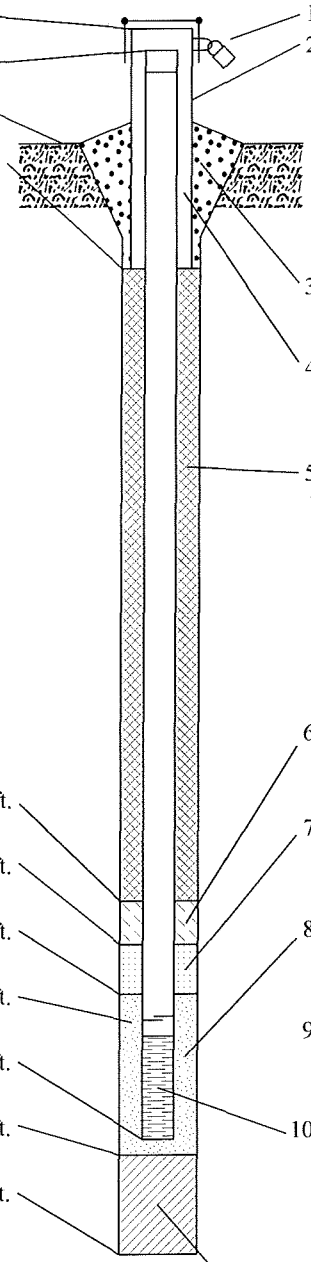
13. Sieve analysis attached?  Yes  No

14. Drilling method used: Rotary  5 0  
 Hollow Stem Auger  4 1  
 \_\_\_\_\_ Other

15. Drilling fluid used: Water  0 2 Air  0 1  
 Drilling Mud  0 3 None  9 9

16. Drilling additives used?  Yes  No  
 Describe \_\_\_\_\_

17. Source of water (attach analysis, if required):  
 \_\_\_\_\_



1. Cap and lock?  Yes  No

2. Protective cover pipe:  
 a. Inside diameter: 8.0 in.  
 b. Length: 1.0 ft.  
 c. Material: Steel  0 4  
 \_\_\_\_\_ Other

d. Additional protection?  Yes  No  
 If yes, describe: \_\_\_\_\_

3. Surface seal: Bentonite  3 0  
 Concrete  0 1  
 \_\_\_\_\_ Other

4. Material between well casing and protective pipe:  
 Bentonite  3 0  
 \_\_\_\_\_ Other

5. Annular space seal: a. Granular/Chipped Bentonite  3 3  
 b. \_\_\_\_\_ Lbs/gal mud weight . . . Bentonite-sand slurry  3 5  
 c. \_\_\_\_\_ Lbs/gal mud weight . . . Bentonite slurry  3 1  
 d. \_\_\_\_\_ % Bentonite . . . Bentonite-cement grout  5 0  
 e. \_\_\_\_\_ Ft<sup>3</sup> volume added for any of the above  
 f. How installed: Tremie  0 1  
 Tremie pumped  0 2  
 Gravity  0 8

6. Bentonite seal: a. Bentonite granules  3 3  
 b.  1/4 in.  3/8 in.  1/2 in. Bentonite chips  3 2  
 c. \_\_\_\_\_ Other

7. Fine sand material: Manufacturer, product name & mesh size  
 a. \_\_\_\_\_ Badger 40/60  
 b. Volume added \_\_\_\_\_ ft<sup>3</sup>

8. Filter pack material: Manufacturer, product name & mesh size  
 a. \_\_\_\_\_ Badger 20/40  
 b. Volume added \_\_\_\_\_ ft<sup>3</sup>

9. Well casing: Flush threaded PVC schedule 40  2 3  
 Flush threaded PVC schedule 80  2 4  
 \_\_\_\_\_ Other

10. Screen material: \_\_\_\_\_ PVC  
 a. Screen Type: Factory cut  1 1  
 Continuous slot  0 1  
 Monoflex \_\_\_\_\_ Other

b. Manufacturer \_\_\_\_\_  
 c. Slot size: 0.010 in.  
 d. Slotted length: 15.0 ft.

11. Backfill material (below filter pack): None  1 4  
 \_\_\_\_\_ Other

E. Bentonite seal, top 875.5 ft. MSL or 0.0 ft.  
 F. Fine sand, top 844.5 ft. MSL or 31.0 ft.  
 G. Filter pack, top 842.5 ft. MSL or 33.0 ft.  
 H. Screen joint, top 840.5 ft. MSL or 35.0 ft.  
 I. Well bottom 825.5 ft. MSL or 50.0 ft.  
 J. Filter pack, bottom 825.5 ft. MSL or 50.0 ft.  
 K. Borehole, bottom 825.5 ft. MSL or 50.0 ft.  
 L. Borehole, diameter 6.0 in.  
 M. O.D. well casing 2.40 in.  
 N. I.D. well casing 2.04 in.

I hereby certify that the information on this form is true and correct to the best of my knowledge.  
 Signature \_\_\_\_\_ Firm Bonestroo, Incorporated Tel: (920) 592-8400  
 954 Circle Drive Green Bay, WI 54304 Fax: (920) 592-8444

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

# Attachment E – Monitoring Well Development Forms



Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>Circus City Cleaners</b>	County <b>Sauk</b>	Well Name <b>P2100</b>
Facility License, Permit or Monitoring Number	County Code <b>57</b>	Wis. Unique Well Number
		DNR Well Number

1. Can this well be purged dry?  Yes  No

2. Well development method:
- surged with bailer and bailed  41
  - surged with bailer and pumped  61
  - surged with block and bailed  42
  - surged with block and pumped  62
  - surged with block, bailed, and pumped  70
  - compressed air  20
  - bailed only  10
  - pumped only  51
  - pumped slowly  50
  - other

3. Time spent developing well **247** min.

4. Depth of well (from top of well casing) **64** ft.

5. Inside diameter of well **2.04** in.

6. Volume of water in filter pack and well casing **45** gal.

7. Volume of water removed from well **30** gal.

8. Volume of water added (if any) **0** gal.

9. Source of water added **N/A**

10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

17. Additional comments on development:

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <b>41.67</b> ft.	<b>41.37</b> ft.
Date	b. <b>07/21/2009</b>	<b>07/21/2009</b>
Time	c. <b>11:43</b> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<b>15:50</b> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.
12. Sediment in well bottom	<b>13.2</b> inches	<b>0</b> inches
13. Water clarity (Describe)	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15	Clear <input checked="" type="checkbox"/> 20 Turbid <input type="checkbox"/> 25

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids mg/l

15. COD mg/l

16. Well developed by: Person's Name and Firm

**Jeff Brand**  
**Bonestroo**

Facility Address or Owner/Responsible Party Address

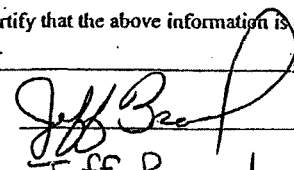
Name: \_\_\_\_\_

Firm: **Wis. Dept. of Natural Resources**

Street: **3771 Fish Hatchery Road**

City/State/Zip: **Fish Hawk, WI 53711**

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: 

Print Name: **Jeff Brand**

Firm: **Bonestroo**

Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>Circus City Cleaners</b>	County <b>Sauk</b>	Well Name <b>MW200</b>
Facility License, Permit or Monitoring Number <b>157005860</b>	County Code <b>57</b>	Wis. Unique Well Number DNR Well Number

1. Can this well be purged dry?  Yes  No

2. Well development method:
- surged with bailer and bailed  4 1
  - surged with bailer and pumped  6 1
  - surged with block and bailed  4 2
  - surged with block and pumped  6 2
  - surged with block, bailed, and pumped  7 0
  - compressed air  2 0
  - bailed only  1 0
  - pumped only  5 1
  - pumped slowly  5 0
  - other \_\_\_\_\_

3. Time spent developing well **90 min.**

4. Depth of well (from top of well casing) **44.5 ft.**

5. Inside diameter of well **2.00 in.**

6. Volume of water in filter pack and well casing **gal.**

7. Volume of water removed from well **1.5 gal.**

8. Volume of water added (if any) **gal.**

9. Source of water added \_\_\_\_\_

10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

17. Additional comments on development:

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <b>41.17 ft.</b>	ft.
Date	b. <b>7/27/2009</b>	<b>7/27/2009</b>
Time	c. <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.
12. Sediment in well bottom	<b>1.0 inches</b>	<b>0.5 inches</b>
13. Water clarity	Clear <input type="checkbox"/> 1 0 Turbid <input checked="" type="checkbox"/> 1 5 (Describe)	Clear <input type="checkbox"/> 2 0 Turbid <input checked="" type="checkbox"/> 2 5 (Describe) <b>very silty</b>

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	mg/l	mg/l
15. COD	mg/l	mg/l

16. Well developed by: Person's Name and Firm

**Bonestroo**

Facility Address or Owner/Responsible Party Address

Name: \_\_\_\_\_  
Firm: **Circus City**  
Street: **721 Broadway**  
City/State/Zip: **Baraboo, WI**

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: \_\_\_\_\_  
Print Name: **Hollie DePuydt**  
Firm: **Bonestroo**

Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>Circus City Cleaners</b>	County <b>Sauk</b>	Well Name <b>MW900</b>
Facility License, Permit or Monitoring Number <b>157005860</b>	County Code <b>57</b>	Wis. Unique Well Number DNR Well Number

1. Can this well be purged dry?  Yes  No

2. Well development method:
- surged with bailer and bailed  4 1
  - surged with bailer and pumped  6 1
  - surged with block and bailed  4 2
  - surged with block and pumped  6 2
  - surged with block, bailed, and pumped  7 0
  - compressed air  2 0
  - bailed only  1 0
  - pumped only  5 1
  - pumped slowly  5 0
  - other \_\_\_\_\_  \_\_\_\_\_

3. Time spent developing well **105 min.**

4. Depth of well (from top of well casing) **49.6 ft.**

5. Inside diameter of well **2.00 in.**

6. Volume of water in filter pack and well casing \_\_\_\_\_ gal.

7. Volume of water removed from well **12.0 gal.**

8. Volume of water added (if any) \_\_\_\_\_ gal.

9. Source of water added \_\_\_\_\_

10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

17. Additional comments on development:

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <b>43.56 ft.</b>	ft.
Date	b. <b>7/27/2009</b>	<b>7/27/2009</b>
Time	c. <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.
12. Sediment in well bottom	<b>1.0 inches</b>	<b>0.0 inches</b>
13. Water clarity	Clear <input type="checkbox"/> 1 0 Turbid <input checked="" type="checkbox"/> 1 5 (Describe)	Clear <input checked="" type="checkbox"/> 2 0 Turbid <input type="checkbox"/> 2 5 (Describe) <b>very clear</b>

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids \_\_\_\_\_ mg/l \_\_\_\_\_ mg/l

15. COD \_\_\_\_\_ mg/l \_\_\_\_\_ mg/l

16. Well developed by: Person's Name and Firm

**Bonestroo**

Facility Address or Owner/Responsible Party Address

Name: \_\_\_\_\_

Firm: **Circus City**

Street: **721 Broadway**

City/State/Zip: **Baraboo, WI**

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: \_\_\_\_\_

Print Name: **Hollie DePuydt**

Firm: **Bonestroo**

Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>Circus City Cleaners</b>	County <b>Sauk</b>	Well Name <b>PZ1000</b>
Facility License, Permit or Monitoring Number <b>157005860</b>	County Code <b>57</b>	Wis. Unique Well Number DNR Well Number

1. Can this well be purged dry?  Yes  No

2. Well development method:
- surged with bailer and bailed  4 1
  - surged with bailer and pumped  6 1
  - surged with block and bailed  4 2
  - surged with block and pumped  6 2
  - surged with block, bailed, and pumped  7 0
  - compressed air  2 0
  - bailed only  1 0
  - pumped only  5 1
  - pumped slowly  5 0
  - other \_\_\_\_\_

3. Time spent developing well **105 min.**

4. Depth of well (from top of well casing) **65.3 ft.**

5. Inside diameter of well **2.00 in.**

6. Volume of water in filter pack and well casing **gal.**

7. Volume of water removed from well **0.5 gal.**

8. Volume of water added (if any) **gal.**

9. Source of water added \_\_\_\_\_

10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

17. Additional comments on development:

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <b>60.28 ft.</b>	ft.
Date	b. <b>7/27/2009</b>	<b>7/27/2009</b>
Time	c. <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.
12. Sediment in well bottom	<b>1.0 inches</b>	<b>0.5 inches</b>
13. Water clarity	Clear <input type="checkbox"/> 1 0 Turbid <input checked="" type="checkbox"/> 1 5 (Describe)	Clear <input type="checkbox"/> 2 0 Turbid <input checked="" type="checkbox"/> 2 5 (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	mg/l	mg/l
15. COD	mg/l	mg/l

16. Well developed by: Person's Name and Firm

**Bonestroo**

Facility Address or Owner/Responsible Party Address

Name: \_\_\_\_\_

Firm: Circus City

Street: 721 Broadway

City/State/Zip: Baraboo, WI

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: \_\_\_\_\_

Print Name: Hollie DePuydt

Firm: Bonestroo

Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <u>Circus City Cleaners</u>	County <u>Sauk</u>	Well Name <u>P21100</u>
Facility License, Permit or Monitoring Number	County Code <u>57</u>	Wis. Unique Well Number <u>VX 635</u>
		DNR Well Number

1. Can this well be purged dry?  Yes  No
2. Well development method:
- surged with bailer and bailed  41
  - surged with bailer and pumped  61
  - surged with block and bailed  42
  - surged with block and pumped  62
  - surged with block, bailed, and pumped  70
  - compressed air  20
  - bailed only  10
  - pumped only  51
  - pumped slowly  50
  - other
3. Time spent developing well 35 min.
4. Depth of well (from top of well casing) 65 ft.
5. Inside diameter of well 2.04 in.
6. Volume of water in filter pack and well casing 4 gal.
7. Volume of water removed from well 25 gal.
8. Volume of water added (if any) 0 gal.
9. Source of water added N/A
10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>43.10</u> ft.	<u>43.26</u> ft.
Date	b. <u>06/16/2010</u>	<u>06/18/2010</u>
Time	c. <u>8:07</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>9:06</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.
12. Sediment in well bottom	<u>3.6</u> inches	<u>0</u> inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe)	Clear <input checked="" type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe)
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	mg/l	mg/l
15. COD	mg/l	mg/l
16. Well developed by: Person's Name and Firm <u>Jeff Brand</u> <u>Bonestra</u>		

17. Additional comments on development:

Facility Address or Owner/Responsible Party Address

Name: \_\_\_\_\_

Firm: Wis. Dept. of Natural Resources

Street: 3911 Fish Hatchery Road

City/State/Zip: Fitchburg, WI 53711

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Jeff Brand

Print Name: Jeff Brand

Firm: Bonestra

Route To: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <u>Circus City Cleaners</u>	County <u>Sauk</u>	Well Name <u>MW 1200</u>
Facility License, Permit or Monitoring Number	County Code <u>57</u>	Wis. Unique Well Number <u>VX 636</u>
		DNR Well Number

1. Can this well be purged dry?  Yes  No

2. Well development method:
- surged with bailer and bailed  41
  - surged with bailer and pumped  61
  - surged with block and bailed  42
  - surged with block and pumped  62
  - surged with block, bailed, and pumped  70
  - compressed air  20
  - bailed only  10
  - pumped only  51
  - pumped slowly  50
  - other

3. Time spent developing well 47 min.

4. Depth of well (from top of well casing) 50 ft.

5. Inside diameter of well 2.04 in.

6. Volume of water in filter pack and well casing 2.0 gal.

7. Volume of water removed from well 15 gal.

8. Volume of water added (if any) 0 gal.

9. Source of water added N/A

10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

17. Additional comments on development:

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>42.60</u> ft.	<u>47.50</u> ft.
Date	b. <u>06/18/2010</u>	<u>06/18/2010</u>
Time	c. <u>8:10</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>9:45</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.
12. Sediment in well bottom	<u>0</u> inches	<u>0</u> inches
13. Water clarity (Describe)	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15	Clear <input checked="" type="checkbox"/> 20 Turbid <input type="checkbox"/> 25

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids      mg/l      mg/l

15. COD      mg/l      mg/l

16. Well developed by: Person's Name and Firm

Jeff Brand  
Bonestroo

Facility Address or Owner/Responsible Party Address

Name:     

Firm: Wis. Department of Natural Resources

Street: 3911 Fish Hatchery Road

City/State/Zip: Fitchburg, WI 53711

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Jeff Brand

Print Name: Jeff Brand

Firm: Bonestroo