

TABLE 1
GEOLOGICAL DATA

<u>Sample</u>	<u>Depth</u>	<u>Geology</u>
A1	2.5 - 4'	Strong odor, discolored sand with pebbles.
A2	5.5 - 7'	Same.
A3	8.5 - 9.4'	Strong odor, discolored sand with rock fragments and pebbles.
B1	2.5 - 4'	Discolored sand with silt and pebbles, strong odor and discolored.
B2	5.5 - 7'	Same.
B3	8.5 - 9.1'	Sand with silt, strong odor, saturated with product.
C1	2.5 - 4'	Sand with pebbles, strong odor, discolored.
C2	5.5 - 7'	Brown sand with pebbles, strong odor, no discoloration.
C3	8.5 - 8.9'	Discolored sand with rock fragments and pebbles, strong odor.
D1	2.5 - 4'	Discolored sand with pebbles, strong odor.
D2	5.5 - 7'	Medium grain brown sand, less odor than above, some pebbles.
D3	8.5 - 9.4'	Sand with rock fragments, strong odor, some discoloration.
E1	2.5 - 4'	Organic soil and medium grain sand, possible slight odor, no discoloration.
E2	5.5 - 7'	Medium grain sand with organic odor, no discoloration.
E3	8.5 - 9.8'	Same.
F1	2.5 - 4'	Medium grain sand with pebbles, no odor.
F2	5.5 - 7'	Same.
F3	8.5 - 9.5'	Medium grain sand with pebbles, no odor, with rock fragments.

<u>Boring</u>	<u>Depth</u>	<u>Geology</u>
G1	2.5 - 4'	Medium grain sand with silt and pebbles, no odor (overlain by 3" asphalt, 8" concrete).
G2	5.5 - 7'	Same.
G3	8.5 - 9.5'	Same with possibly slight odor.

TABLE 2
ANALYTICAL REPORT RECAP

January 1990

Sample No.	Parameters				
	1,1,1-TCA (ppb)	Toluene (ppb)	Xylenes (ppb)	EP-Tox Cd (ppm)	EP-Tox Pb (ppm)
A1	<2,000	12,000	2,500	0.005	0.09
A2	<5,000	68,000	9,000	0.001	0.14
A3	*	*	*	0.02	0.12
B1	**	**	**	0.006	0.09
B2	**	**	**	0.011	0.12
B3	<10,000	170,000	14,000	0.025	0.13
C1	**	**	**	0.015	0.15
C2	**	**	**	0.021	0.19
C3	<1,000	3,800	1,000	0.022	0.07
D1	<2,000	<2,000	<2,000	0.008	0.24
D2	*	*	*	0.005	0.05
E1	6.9	*	*	0.003	0.12
E2	**	**	**	0.008	0.08
E3	<1,000	<1,000	<1,000	0.002	0.07
F1	*	*	5.0	0.002	0.06
F2	**	**	**	0.004	0.10
F3	*	*	*	<0.001	0.09
G1	*	*	11.0	0.009	0.08
G2	**	**	**	0.003	0.07
G3	*	*	*	0.004	0.09

X1 = 2.5'-4.0'
X2 = 5.5'-7.0'
X3 = 8.5'-10.0' (Approximate)

* = Less than detection limit of 5 ppb
** = Not analyzed

**FEHR-GRAHAM & ASSOCIATES
GEOLOGIC LOG**

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PROJECT: Ingersoll Milling Machine			JOB NO: 42319	GEOLOGIST: J Platzbecker	SHEET 1 OF 1	BORING NO: B1
LOCATION: 301 S Water St Rockford IL Eastern boring North of tank location			WEATHER: Clear, cool		BEGUN: 5-21-02	TOTAL DEPTH: 9.5 ft
DRILL CONTRACTOR: Mid-America			DRILLER: J Huysen		GROUND ELEVATION:	
DRILL RIG: Diedrich D-120			DRILLING FLUID / SOURCE: NA		GROUNDWATER (DPTH/EL):	
HOLE SIZE: 7"		HAMMER (WT/FALL): 140lb/30"		CASING IN HOLE (DIA/LENGTH): NA		TOP OF ROCK (DEPTH/EL): 9.5 ft.
SAMPLE DEPTH (FEET)	SAMPLE TYPE/ NUMBER	SAMPLE RECOVERY (FEET)	BLOWCOUNT (DRILLING TIME)	SAMPLE DESCRIPTION AND DRILLING LOG		PID READINGS (PPM)
0 - 4		2		0 - 0.5 asphalt 0.5 - 0.9 tan gravel 0.9 black silt, trace fine sand		0
4 - 8		2		4.0 - 4.2 firm brown sand with small pebbles 4.2 - 5.5 yellow-orange to tan fine to coarse sand and pebbles		0
8 - 9.5		1.4		Orange-brown coarse sand and gravel with some silt, wet at 9 ft. AUGER REFUSAL AT 9.5 FEET		39.5
SAMPLE TYPES: SS = SPLIT SPOON, ST = SHELBY TUBE SST = SPLIT SPOON WITH TUBE			COMPLETION NOTES Sample collected at 8-9.5 ft Backfilled with bentonite			BORING NO: B1

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GEOLOGIC LOG**

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PROJECT: Ingersoll Milling Machine		JOB NO: 42319		GEOLOGIST: J Platzbecker		SHEET 1 OF 1		BORING NO: B2	
LOCATION: 301 S Water St Rockford IL Southwest boring, east of tank location				WEATHER: Clear, cool		BEGUN: 5-21-02 FINISHED: 5-21-02		TOTAL DEPTH: 9.5 ft	
DRILL CONTRACTOR: Mid-America				DRILLER: J Huyser				GROUND ELEVATION:	
DRILL RIG: Diedrich D-120				DRILLING FLUID / SOURCE: NA				GROUNDWATER (DPTH/EL):	
HOLE SIZE: 4 in		HAMMER (WT/FALL):		CASING IN HOLE (DIA/LENGTH): NA		TOP OF ROCK (DEPTH/EL): 9.5 ft.			
SAMPLE DEPTH (FEET)	SAMPLE TYPE/ NUMBER	SAMPLE RECOVERY (FEET)	BLOWCOUNT (DRILLING TIME)	SAMPLE DESCRIPTION AND DRILLING LOG				PID READINGS (PPM)	
0 - 4		2		0 - 0.1 asphalt 0.1 - 0.7 tan gravel 0.7 - 1.3 black medium to coarse sand, some small pebbles 1.3 - 2.0 tan medium sand and pebbles				1.3	
4 - 8		3		Same as previous					
8 - 9.5		1.5		8 - 9.5 tan coarse sand and gravel, wet at 9.0 AUGER REFUSAL AT 9.5 FEET				1.4	
SAMPLE TYPES:		SS = SPLIT SPOON, ST = SHELBY TUBE SST = SPLIT SPOON WITH TUBE		COMPLETION NOTES				BORING NO:	
				Sample collected at 8-9 ft Backfilled with bentonite				B2	

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GEOLOGIC LOG**

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PROJECT: Ingersoll Milling Machine		JOB NO: 42319		GEOLOGIST: J Platzbecker		SHEET 1 OF 1		BORING NO: B4	
LOCATION: 301 S Water St Rockford IL		WEATHER: Clear, cool				BEGUN: 5-21-02		TOTAL DEPTH: 9.7 ft	
DRILL CONTRACTOR: Mid-America		DRILLER: J Huyser				GROUND ELEVATION:			
DRILL RIG: Diedrich D-120		DRILLING FLUID / SOURCE: NA				GROUNDWATER (DPTH/EL):			
HOLE SIZE: 4 in		HAMMER (WT/FALL):		CASING IN HOLE (DIA/LENGTH): NA		TOP OF ROCK (DEPTH/EL): 9.7 ft.			
SAMPLE DEPTH (FEET)	SAMPLE TYPE/ NUMBER	SAMPLE RECOVERY (FEET)	BLOWCOUNT (DRILLING TIME)	SAMPLE DESCRIPTION AND DRILLING LOG				PID READINGS (PPM)	
0 - 4		2		0 - 0.15 asphalt 0.15 - 1.1 black/tan medium sand 1.1 - 2.0 black silty clay				0	
4 - 8		4		4 - 8 dark brown sandy silty clay				4	
8 - 9.7		1.7		Same as previous				5	
				AUGER REFUSAL AT 9.7 FEET					
SAMPLE TYPES: SS = SPLIT SPOON, ST = SHELBY TUBE SST = SPLIT SPOON WITH TUBE		COMPLETION NOTES				BORING NO:			
		Sample collected at 8.3-9.7 ft Backfilled with bentonite				B4			

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GEOLOGIC LOG**

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PROJECT: Ingersoll Milling Machine		JOB NO: 42319	GEOLOGIST: J Platzbecker	SHEET 1 OF 1	BORING NO: B5
LOCATION: 301 S Water St Rockford IL		WEATHER: Clear, cool		BEGUN: 5-21-02	TOTAL DEPTH: 9.5 ft
DRILL CONTRACTOR: Mid-America		DRILLER: J Huyser		GROUND ELEVATION:	
DRILL RIG: Diedrich D-120		DRILLING FLUID / SOURCE: NA		GROUNDWATER (DPH/EL):	
HOLE SIZE: 4 in		HAMMER (WT/FALL):		CASING IN HOLE (DIA/LENGTH): NA	TOP OF ROCK (DEPTH/EL): 9.5 ft.
SAMPLE DEPTH (FEET)	SAMPLE TYPE/ NUMBER	SAMPLE RECOVERY (FEET)	BLOWCOUNT (DRILLING TIME)	SAMPLE DESCRIPTION AND DRILLING LOG	PID READINGS (PPM)
0 - 4		1.9		0 - 0.4 gray med/coarse sand and gravel 0.4 - 1.9 black to dark brown sandy clayey silt, some small pebbles	0
4 - 8		1.5		4 - 4.3 gray medium sand and pebbles 4.3 - 4.7 yellow-orange fine sand 4.7 - 5.5 dark brown silty clayey sand with small pebbles, moist	3
8 - 9.5		1.5		Same as previous	7.5
				AUGER REFUSAL AT 9.5 FEET	
SAMPLE TYPES: SS = SPLIT SPOON, ST = SHELBY TUBE SST = SPLIT SPOON WITH TUBE				COMPLETION NOTES Sample collected at 8-9.5 ft Backfilled with bentonite	BORING NO: B5

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GEOLOGIC LOG**

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PROJECT: Ingersoll Milling Machine		JOB NO: 42319		GEOLOGIST: J Platzbecker		SHEET 1 OF 1		BORING NO: B6	
LOCATION: 301 S Water St Rockford IL			WEATHER: Clear, cool			BEGUN: 5-21-02		TOTAL DEPTH: 7.0 ft	
DRILL CONTRACTOR: Mid-America			DRILLER: J Huyser			GROUND ELEVATION:			
DRILL RIG: Diedrich D-120			DRILLING FLUID / SOURCE: NA			GROUNDWATER (DPTH/EL):			
HOLE SIZE: 4 in		HAMMER (WT/FALL):		CASING IN HOLE (DIA/LENGTH): NA		TOP OF ROCK (DEPTH/EL): 7.0 ft.			
SAMPLE DEPTH (FEET)	SAMPLE TYPE/ NUMBER	SAMPLE RECOVERY (FEET)	BLOWCOUNT (DRILLING TIME)	SAMPLE DESCRIPTION AND DRILLING LOG				PID READINGS (PPM)	
0 - 4		1.4		0 - 0.3 black silty clay and topsoil 0.3 - 0.8 moist gray silty clay 0.8 - 4 slightly moist gray coarse sand and small cobbles				0	
4 - 8		2.0		4 - 6 tan medium/coarse sand, moist to very moist				0	
				AUGER REFUSAL AT 7.0 FEET					
SAMPLE TYPES: SS = SPLIT SPOON, ST = SHELBY TUBE SST = SPLIT SPOON WITH TUBE			COMPLETION NOTES Geotech sample collected at 4 - 7 feet Backfilled with bentonite					BORING NO: B6	

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GEOLOGIC LOG**

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PROJECT: Ingersoll Milling Machine		JOB NO: 42319	GEOLOGIST: J Platzbecker		SHEET 1 OF 1	BORING NO: B8
LOCATION: 301 S Water St Rockford IL		WEATHER: Clear, cool		BEGUN: 5-21-02	TOTAL DEPTH: 9.5 ft	
DRILL CONTRACTOR: Mid-America		DRILLER: J Huyser			GROUND ELEVATION:	
DRILL RIG: Diedrich D-120		DRILLING FLUID / SOURCE: NA			GROUNDWATER (DPTH/EL):	
HOLE SIZE: 4 in		HAMMER (WT/FALL):		CASING IN HOLE (DIA/LENGTH): NA		TOP OF ROCK (DEPTH/EL): 9.5 ft
SAMPLE DEPTH (FEET)	SAMPLE TYPE/ NUMBER	SAMPLE RECOVERY (FEET)	BLOWCOUNT (DRILLING TIME)	SAMPLE DESCRIPTION AND DRILLING LOG		PID READINGS (PPM)
0 - 4		2.9		0 - 0.2 asphalt 0.2 - 0.9 yellow-orange gravel 0.9 - 2.9 dark brown silty clay with pebbles		1.0
4 - 8		2.3		Yellow-orange fine sand, some cobbles		1.4
8 - 9.5		1.5		Same as previous, wet at 9 feet		1.3
				AUGER REFUSAL AT 9.5 FEET		
SAMPLE TYPES: SS = SPLIT SPOON, ST = SHELBY TUBE SST = SPLIT SPOON WITH TUBE				COMPLETION NOTES		BORING NO:
				Backfilled with bentonite		B8



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BORING NUMBER Barnes B-1

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CLIENT <u>City of Rockford, Illinois</u>	PROJECT NAME <u>W.F. & John Barnes / Former Ingersoll Property</u>
PROJECT NUMBER <u>46282</u>	PROJECT LOCATION <u>301 South Water Street, Rockford, Illinois</u>
DATE STARTED <u>11/28/06</u> COMPLETED <u>11/28/06</u>	GROUND ELEVATION _____ HOLE SIZE <u>2"</u>
DRILLING CONTRACTOR <u>Transhield</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Geoprobe - Macro-Core Sampler</u>	AT TIME OF DRILLING <u>---</u>
LOGGED BY <u>Rob Wilhelmi</u> CHECKED BY <u>Randy Hoffman</u>	AT END OF DRILLING <u>---</u>
NOTES _____	AFTER DRILLING <u>---</u>

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	
5	MC 1	80	Sampled at 9'-10'		0.8 Concrete	11.1	
					2.0 Brown, Moist, Silty-Sand with Gravels (SP-SM).		
					3.8 Brown, Moist to Soft, Silty-Sand with Gravels (SP-SM).		
10	MC 2	100			4.0 Dark Brown, Moist to Soft, Clay-Silt-Sand (CLS).		
					8.0 Dark Brown to Black, Moist, Sandy-Silty-Clay, Stiff, medium to high plasticity (CL-CH).		
					9.0 Dark Brown to Black, Moist, Sandy-Silty-Clay, Stiff, medium to high plasticity (CL-CH). Sandy seam at 9 feet.		
11	MC 3	100			11.0 Grey, Moist, Sandy-Silty Clay, Stiff, Medium Plasticity.		
					12.0 Brown, Silty-Sand with Gravels.		
Bottom of hole at 12.0 feet.							



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BORING NUMBER Barnes B-2

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CLIENT City of Rockford, Illinois **PROJECT NAME** W.F. & John Barnes / Former Ingersoll Property
PROJECT NUMBER 46282 **PROJECT LOCATION** 301 South Water Street, Rockford, Illinois
DATE STARTED 11/30/06 **COMPLETED** 11/30/06 **GROUND ELEVATION** _____ **HOLE SIZE** 2"
DRILLING CONTRACTOR Transhield **GROUND WATER LEVELS:**
DRILLING METHOD Geoprobe - Macro-Core Sampler **∇ AT TIME OF DRILLING** 12.0 ft
LOGGED BY Rob Wilhelm **CHECKED BY** Randy Hoffman **AT END OF DRILLING** ---
NOTES Could not take PID reading due to instrument malfunction. **AFTER DRILLING** ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION
0.4					Asphalt
5	MC 1	95			Brown, Moist, Soft, Sandy-Silt with Gravels (Fill)
10	MC 2	100			4.5 5.0 Brown, Moist, Soft, Silty-Sandy-Clay with Some Gravels, Low Plasticity. Brown, Moist, Stiff, Silty-Sandy-Clay with Some Gravels, Medium Plasticity.
	MC 3	100	Sampled at 10'-11'		9.8 10.0 11.0 12.0 ∇ Grey, Moist, Stiff, Silty-Sandy-Clay with, Medium Plasticity. Grey, Moist, Stiff, Silty-Sandy-Clay with, Medium Plasticity, Petroleum Odor Present. Grey, Wet, Sandy-Gravel (Weathered Bedrock), Petroleum Odor Present.
					Bottom of hole at 12.0 feet.

GENERAL BH / TP / WELL BARNES BORING LOGS 1-15.GPJ GINT US.GDT 5/21/10



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BORING NUMBER Barnes B-3

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CLIENT City of Rockford, Illinois PROJECT NAME W.F. & John Barnes / Former Ingersoll Property
 PROJECT NUMBER 46282 PROJECT LOCATION 301 South Water Street, Rockford, Illinois
 DATE STARTED 11/30/06 COMPLETED 11/30/06 GROUND ELEVATION _____ HOLE SIZE 2"
 DRILLING CONTRACTOR Transshield GROUND WATER LEVELS:
 DRILLING METHOD Geoprobe - Macro-Core Sampler ∇ AT TIME OF DRILLING 9.5 ft
 LOGGED BY Rob Wilhelm CHECKED BY Randy Hoffman AT END OF DRILLING ---
 NOTES _____ AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
5	MC 1	50			0.6	Concrete.
					2.5	Yellow Brown Silt/Sand/Gravel Fill, Dry, Very Stiff.
5	MC 2	100	Sampled at 5'-7'	ML	3.3	Dark Brown Sand/Silt, Crunchy, Very Stiff, Dry, no Plasticity.
				CL-ML	5.0	Dark Brown Sand/Silt/Clay, Moist, Medium Plasticity, Stiff, Slight Petroleum Odor.
10				CL-ML	5.0	Dark Brown Sand/Silt/Clay, Moist, Medium Plasticity, Stiff, Slight Petroleum Odor.
				CL-ML	7.5	Gray Sand/Silt/Clay, Medium Stiff, Medium Plasticity, No Odor, Moist.
15				SC-SM	9.8	∇
					10.0	Gray Clay/Silt/Sand, No Odor, Low Plasticity, Moist, Soft.
Bottom of hole at 15.0 feet.						



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BORING NUMBER Barnes B-4

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CLIENT City of Rockford, Illinois **PROJECT NAME** W.F. & John Barnes / Former Ingersoll Property
PROJECT NUMBER 46282 **PROJECT LOCATION** 301 South Water Street, Rockford, Illinois
DATE STARTED 11/28/06 **COMPLETED** 11/28/06 **GROUND ELEVATION** _____ **HOLE SIZE** 2"
DRILLING CONTRACTOR Transhield **GROUND WATER LEVELS:**
DRILLING METHOD Geoprobe - Macro-Core Sampler **AT TIME OF DRILLING** 8.0 ft
LOGGED BY Rob Wilhelmi **CHECKED BY** Randy Hoffman **AT END OF DRILLING** ---
NOTES _____ **AFTER DRILLING** ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
5	MC 1	80			0.1 Concrete	
					2.0 Light Grey Sand	
10	MC 2	100			3.8 Black fill consisting of coal, ash, and brick.	
					5.8 Black to Brown, Moist, Sandy-Silty-Clay, Medium to High Plasticity.	
					6.0 Rocky-Gray Seam	
					8.0 Grey, Sandy-Clay, Medium Plasticity	
11	MC 3	100	Sampled at 10'-12'		9.0 Wet, Clay-Sand, Soft, Low Plasticity, Light Odor	21.5
					11.0 Black, Sandy-Silty-Clay, Medium Stiff, Medium Plasticity, Odor	
					12.0 Rocky-Sand, Odor	
Bottom of hole at 12.0 feet.						



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BORING NUMBER Barnes B-5

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CLIENT City of Rockford, Illinois **PROJECT NAME** W.F. & John Barnes / Former Ingersoll Property
PROJECT NUMBER 46282 **PROJECT LOCATION** 301 South Water Street, Rockford, Illinois
DATE STARTED 11/29/06 **COMPLETED** 11/29/06 **GROUND ELEVATION** _____ **HOLE SIZE** 2"
DRILLING CONTRACTOR Transshield **GROUND WATER LEVELS:**
DRILLING METHOD Geoprobe - Macro-Core Sampler **∇ AT TIME OF DRILLING** 6.0 ft
LOGGED BY Rob Wilhelmi **CHECKED BY** Randy Hoffman **AT END OF DRILLING** ---
NOTES _____ **AFTER DRILLING** ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
5	MC 1	100			0.8 Concrete	11.8
					2.0 Yellow Brown, Silt- Sand Gravel Fill, Evidence of Brick, Odor.	
					4.0 Black, Moist, Sandy-Silt, Slight Odor, Fill appears to be Foundry Slag.	
	4.0 Black, Wet at 6 ft, Silty-Sand with Gravel with Foundry Slag mixed in.					
	MC 2	100	Sampled at 5'-7'		∇	12.1
					Bottom of hole at 8.0 feet.	12.1



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BORING NUMBER Barnes B-6

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CLIENT City of Rockford, Illinois PROJECT NAME W.F. & John Barnes / Former Ingersoll Property
 PROJECT NUMBER 46282 PROJECT LOCATION 301 South Water Street, Rockford, Illinois
 DATE STARTED 11/28/06 COMPLETED 11/28/06 GROUND ELEVATION _____ HOLE SIZE 2"
 DRILLING CONTRACTOR Transshield GROUND WATER LEVELS:
 DRILLING METHOD Geoprobe - Macro-Core Sampler ∇ AT TIME OF DRILLING 9.0 ft
 LOGGED BY Rob Wilhelmi CHECKED BY Randy Hoffman AT END OF DRILLING ---
 NOTES _____ AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.6					Asphalt, Moist	
1.0					Gravel Fill, Moist	
5.4	MC 1	100	Sampled at 8'-9'		Black, Moist, Silty-Gravel and Sand, Evidence of Fill (Crushed Brick).	5.4
5.5					Black, Moist, Silty-Gravel and Sand, Evidence of Fill (Crushed Brick).	5.5
5.4	MC 2	100			Brown, Silty-Sand with Gravels, Large Rocks Noted.	5.4
5.4					Yellow, Moist, Gravelly, Medium Sand.	5.4
5.4	MC 3	100			Yellow, Moist, Gravelly, Medium Sand with Larger Gravels.	5.4
5.4					Wet, Sandy-Gravels.	5.4
12.0					Bottom of hole at 12.0 feet.	5.4



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BORING NUMBER Barnes B-7

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CLIENT City of Rockford, Illinois **PROJECT NAME** W.F. & John Barnes / Former Ingersoll Property
PROJECT NUMBER 46282 **PROJECT LOCATION** 301 South Water Street, Rockford, Illinois
DATE STARTED 11/27/06 **COMPLETED** 11/27/06 **GROUND ELEVATION** _____ **HOLE SIZE** 2"
DRILLING CONTRACTOR Transhield **GROUND WATER LEVELS:**
DRILLING METHOD Geoprobe - Macro-Core Sampler **▽ AT TIME OF DRILLING** 6.5 ft
LOGGED BY Rob Wilhelmi **CHECKED BY** Randy Hoffman **AT END OF DRILLING** ---
NOTES _____ **AFTER DRILLING** ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)			
5	MC 1	100	Sampled at 6'-8'		0.8 Concrete	6.0			
					Yellow-Brown, Dry, Silty-Sand, Soft, No Plasticity.				
5	MC 2	100		Sampled at 6'-8'		4.0 Yellow-Brown, Dry, Silty-Sand, Soft, No Plasticity.	7.6		
						5.0 Yellow-Brown, Dry, Silty-Sand, Soft, No Plasticity.			
5	MC 2	100			Sampled at 6'-8'		6.5 Brown, Wet, Medium Silty-Sand with Gravels, Soft, No Plasticity.	7.8	
							6.5 ▽ Black, Wet, Silty-Sand with Gravels, No Plasticity, Slight Odor, Staining with blackish residue in saturated zone.		
						Sampled at 6'-8'		8.0 Bottom of hole at 8.0 feet.	14.0



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CLIENT City of Rockford, Illinois **PROJECT NAME** W.F. & John Barnes / Former Ingersoll Property
PROJECT NUMBER 46282 **PROJECT LOCATION** 301 South Water Street, Rockford, Illinois
DATE STARTED 11/29/06 **COMPLETED** 11/29/06 **GROUND ELEVATION** _____ **HOLE SIZE** 2"
DRILLING CONTRACTOR Transshield **GROUND WATER LEVELS:**
DRILLING METHOD Geoprobe - Macro-Core Sampler **AT TIME OF DRILLING** ---
LOGGED BY Rob Wilhelmi **CHECKED BY** Randy Hoffman **AT END OF DRILLING** ---
NOTES _____ **AFTER DRILLING** ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
5	MC 1	100			1.0 Concrete	13.1
					3.0 Yellow to Brown, Moist (due to concrete coring), Soft, Sandy-Gravel Fill with No Plasticity.	
					5.0 Grey to Brown, Moist, Medium Silty-Sand, Soft, Low Plasticity with a Organic / Sewage Odor.	15.8
	MC 2	100	Sampled at 5'-7'		5.0 Grey to Brown, Moist, Silty-Sand.	13.4
					8.0 Bottom of hole at 8.0 feet.	9.1



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BORING NUMBER Barnes B-9

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CLIENT City of Rockford, Illinois **PROJECT NAME** W.F. & John Barnes / Former Ingersoll Property
PROJECT NUMBER 46282 **PROJECT LOCATION** 301 South Water Street, Rockford, Illinois
DATE STARTED 11/29/06 **COMPLETED** 11/29/06 **GROUND ELEVATION** _____ **HOLE SIZE** 2"
DRILLING CONTRACTOR Transhield **GROUND WATER LEVELS:**
DRILLING METHOD Geoprobe - Macro-Core Sampler **∇ AT TIME OF DRILLING** 6.0 ft
LOGGED BY Rob Wilhelmi **CHECKED BY** Randy Hoffman **AT END OF DRILLING** ---
NOTES Took decon equipment blank after B-9. **AFTER DRILLING** ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
5	MC 1	100			0.8 Concrete	10.2
					Yellow-Brown, Dry, Silty-Sandy-Gravelly, Fill, No Plasticity.	
					3.3	
					4.0 Brown, Moist, Silty-Sandy-Clay, Soft, with Low Plasticity.	
					5.0 Brown, Moist, Silty-Sandy-Clay, Soft, with Low Plasticity.	
	MC 2	100	Sampled at 5'-7'		5.0 Brown, Moist, Silty-Sandy-Clay, Soft, with Medium Plasticity. Wet at 6 ft. becomes Gray at ∇8 feet. 8.0	8.4
					Bottom of hole at 8.0 feet.	8.0



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BORING NUMBER Barnes B-10

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CLIENT City of Rockford, Illinois PROJECT NAME W.F. & John Barnes / Former Ingersoll Property
 PROJECT NUMBER 46282 PROJECT LOCATION 301 South Water Street, Rockford, Illinois
 DATE STARTED 11/28/06 COMPLETED 11/28/06 GROUND ELEVATION _____ HOLE SIZE 2"
 DRILLING CONTRACTOR Transhield GROUND WATER LEVELS:
 DRILLING METHOD Geoprobe - Macro-Core Sampler ∇ AT TIME OF DRILLING 11.0 ft
 LOGGED BY Rob Wilhelmi CHECKED BY Randy Hoffman AT END OF DRILLING ---
 NOTES _____ AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.8					Concrete	
1.0					Brown, Silty-Sand with Gravels, Soft. Black to Dark Brown, Dry, Sandy-Clay with Silt, Stiff, Low Plasticity with a Slight Odor.	10.2
3.5					Dark Brown, Dry, Sandy-Silty-Clay, Stiff, Low Plasticity with a Slight Odor.	11.3
4.0					Dark Brown, Dry, Sandy-Silty-Clay, Stiff, Low Plasticity with a No Odor.	
7.0					Brown, Moist, Sandy-Clay, Stiff, Medium Plasticity.	9.1
8.0					Brown, Moist, Sandy-Clay, Stiff, Medium Plasticity.	8.9
8.8					Yellow to Brown, Moist, Sandy-Silty-Clay, Soft, Medium Plasticity.	
11.0					∇	9.1
12.0					Wet, Sands and Gravels	
					Bottom of hole at 12.0 feet.	9.5

GENERAL BH / TP / WELL BARNES BORING LOGS 1-15.GPJ GINT US.GDT 5/21/10



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BORING NUMBER Barnes B-11

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CLIENT City of Rockford, Illinois **PROJECT NAME** W.F. & John Barnes / Former Ingersoll Property
PROJECT NUMBER 46282 **PROJECT LOCATION** 301 South Water Street, Rockford, Illinois
DATE STARTED 11/30/06 **COMPLETED** 11/30/06 **GROUND ELEVATION** _____ **HOLE SIZE** 2"
DRILLING CONTRACTOR Transhield **GROUND WATER LEVELS:**
DRILLING METHOD Geoprobe - Macro-Core Sampler ∇ **AT TIME OF DRILLING** 5.0 ft
LOGGED BY Rob Wilhelmi **CHECKED BY** Randy Hoffman **AT END OF DRILLING** ---
NOTES _____ **AFTER DRILLING** ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
5	MC 1	100	Sampled at 3'-5'		1.0 Concrete	7.2
					Dark Brown, Moist, Silty-Sandy with Gravels, Hard, No Plasticity. Interval is mostly fill consisting of cinders, rock, brick, etc.	
10	MC 2	100			5.0 ∇ Dark Brown, Moist, Sandy-Silty-Clay with some gravels, Soft, Medium Plasticity.	7.3 6.7
					Dark Brown, Wet, Sandy-Silty-Clay with some gravels, Soft, Medium Plasticity.	
15	MC 3	100			7.0 Brown, Wet, Silty-Sand and Gravels, Medium Stiff, No Plasticity.	6.8 5.2
					9.3 Brown, Wet, Silty-Sandy-Clay with some gravels, Medium Siff, Medium Plasticity, Septic like odor.	
					15.0 Bottom of hole at 15.0 feet.	8.1

GENERAL BH / TP / WELL BARNES BORING LOGS 1-15.GPJ GINT US.GDT 5/21/10



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BORING NUMBER Barnes B-12

CLIENT City of Rockford, Illinois **PROJECT NAME** W.F. & John Barnes / Former Ingersoll Property

PROJECT NUMBER 46282 **PROJECT LOCATION** 301 South Water Street, Rockford, Illinois

DATE STARTED 11/29/06 **COMPLETED** 11/29/06 **GROUND ELEVATION** _____ **HOLE SIZE** 2"

DRILLING CONTRACTOR Transshield **GROUND WATER LEVELS:**

DRILLING METHOD Geoprobe - Macro-Core Sampler **∇ AT TIME OF DRILLING** 7.0 ft

LOGGED BY Rob Wilhelmi **CHECKED BY** Randy Hoffman **AT END OF DRILLING** ---

NOTES _____ **AFTER DRILLING** ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.1					Concrete	
5.9	MC 1	100	Sampled at 6'-8'		Yellowish-Brown, Moist, Medium Sand, Soft, No Plasticity.	5.9
10.1					Grey, Silty-Sandy-Clay, Soft, Low Plasticity, Slight Organic Odor, Moist, Wood Debris Present.	10.1
7.7	MC 2	100			Grey, Silty-Sandy-Clay, Stiff, Medium Plasticity, Slight Organic Odor, Blackish Residue in Saturated Soils. Saturated at 7.0'	7.7
7.5						Bottom of hole at 8.0 feet.



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BORING NUMBER Barnes B-13

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CLIENT City of Rockford, Illinois PROJECT NAME W.F. & John Barnes / Former Ingersoll Property
 PROJECT NUMBER 46282 PROJECT LOCATION 301 South Water Street, Rockford, Illinois
 DATE STARTED 11/29/06 COMPLETED 11/29/06 GROUND ELEVATION _____ HOLE SIZE 2"
 DRILLING CONTRACTOR Transhield GROUND WATER LEVELS:
 DRILLING METHOD Geoprobe - Macro-Core Sampler ∇ AT TIME OF DRILLING 8.0 ft
 LOGGED BY Rob Wilhelmi CHECKED BY Randy Hoffman AT END OF DRILLING ---
 NOTES _____ AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
5	MC 1	100	Sampled at 7'-9'	[Concrete pattern]	0.8 Concrete	5.8
				[Sand pattern]	Yellow-Brown, Dry, Medium Sand with Gravels, Soft, No Plasticity.	
				[Gravel pattern]	3.0	
7	MC 2	100		[Cross-hatch pattern]	4.0 Black, Dry, Silt and Gravels / Cinders mixed with Coal and Brick, No Plasticity.	7.1
				[Cross-hatch pattern]	5.3 Black, Moist becoming Wet, Silt and Gravels Cinders mixed with Coal and Brick, No Plasticity.	
10	MC 3	100		[Diagonal lines pattern]	5.3 Grey, Sandy-Silty-Clay, Stiff, Moist, with High Plasticity.	11.7
				[Diagonal lines pattern]	8.0 ∇ Grey, Sandy-Silty-Clay, becoming Soft at 8 feet, Wet, with High Plasticity.	11.9
12	MC 3	100		[Sand/Gravel pattern]	10.0 Grey, Wet, Sand and Gravel, No Odor	5.9
				[Sand/Gravel pattern]	12.0 Bottom of hole at 12.0 feet.	



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BORING NUMBER Barnes B-14

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CLIENT City of Rockford, Illinois **PROJECT NAME** W.F. & John Barnes / Former Ingersoll Property

PROJECT NUMBER 46282 **PROJECT LOCATION** 301 South Water Street, Rockford, Illinois

DATE STARTED 11/30/06 **COMPLETED** 11/30/06 **GROUND ELEVATION** _____ **HOLE SIZE** 2"

DRILLING CONTRACTOR Transhield **GROUND WATER LEVELS:**

DRILLING METHOD Geoprobe - Macro-Core Sampler **AT TIME OF DRILLING** ---

LOGGED BY Rob Wilhelmi **CHECKED BY** Randy Hoffman **AT END OF DRILLING** ---

NOTES Not completed do to significant snowfall and utility concerns **AFTER DRILLING** ---

DEPTH (ft)	SAMPLE TYPE NUMBER	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION
		Not completed		



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BORING NUMBER Barnes B-15

CLIENT City of Rockford, Illinois **PROJECT NAME** W.F. & John Barnes / Former Ingersoll Property

PROJECT NUMBER 46282 **PROJECT LOCATION** 301 South Water Street, Rockford, Illinois

DATE STARTED 11/30/06 **COMPLETED** 11/30/06 **GROUND ELEVATION** _____ **HOLE SIZE** 2"

DRILLING CONTRACTOR Transshield **GROUND WATER LEVELS:**

DRILLING METHOD Geoprobe - Macro-Core Sampler **AT TIME OF DRILLING** ---

LOGGED BY Rob Wilhelmi **CHECKED BY** Randy Hoffman **AT END OF DRILLING** ---

NOTES MS / MSD taken at sample point. **AFTER DRILLING** ---

DEPTH (ft)	SAMPLE TYPE NUMBER	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION
	AU 1	Sampled at 0'-1'	1.0	Black Top, Friable, with Small Pebbles. No Odor.
				Bottom of hole at 1.0 feet.



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WELL NUMBER B-17 / MW-2

CLIENT City of Rockford **PROJECT NAME** Former W. F. & Barnes/Ingersoll Property
PROJECT NUMBER 46282P - A07B **PROJECT LOCATION** 301 South Street
DATE STARTED 4/20/07 **COMPLETED** 4/20/07 **GROUND ELEVATION** _____ **HOLE SIZE** 2" & 8.25"
DRILLING CONTRACTOR Transhield **GROUND WATER LEVELS:**
DRILLING METHOD 4.25" Hollow Stem Auger ▽ **AT TIME OF DRILLING** 5.0 ft
LOGGED BY Rob Wilhelmi **CHECKED BY** _____ **AT END OF DRILLING** ---
NOTES _____ ▽ **AFTER DRILLING** 5.1 ft

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0.8				Concrete		Concrete.		<p>Concrete Bentonite Capped riser (2" ID, Sch. 40 PVC), (Flush 4TPI Threads with O ring) Sand 6' Screen (2" ID, Sch. 40 PVC with 0.01" slots)</p>
2.0				Concrete		Black, brown, yellow-brown, misc sand/silt fill with rocks and gravels, dry, no plastic, soft.	0	
4.0 - 5.0	MC 1	80	Sampled at 4'-5'	CL		Black, moist, crunchy, sand/silt, gravelly till, becomes wet at 5'. Slight petroleum odor at 5', no plastic, very stiff.	0	
5.0				CL		Black, moist, crunchy, sand/silt, gravelly till, becomes wet at 5'. Slight petroleum odor at 5', no plastic, very stiff becoming more dark grey/brown with gravel content saturated.	39	
7.8	MC 2	60		CL		Grey, sand/silt/clay (lean), medium plastic, soft/medium stiff, slight odor.	22.6	
10.0				CL		Bottom of hole at 10.0 feet.	43.6 9.3	

GENERAL BH / TP / WELL BARNES 16-27 RW46282 - BORING LOGS.GPJ GINT US.GDT 5/20/10



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WELL NUMBER B-18 / MW-3

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CLIENT <u>City of Rockford</u>	PROJECT NAME <u>Former W. F. & Barnes/Ingersoll Property</u>
PROJECT NUMBER <u>46282P - A07B</u>	PROJECT LOCATION <u>301 South Street</u>
DATE STARTED <u>4/20/07</u> COMPLETED <u>4/20/07</u>	GROUND ELEVATION _____ HOLE SIZE <u>8.25"</u>
DRILLING CONTRACTOR <u>Transhield</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>4.25" Hollow Stem Auger</u>	▽ AT TIME OF DRILLING <u>5.0 ft</u>
LOGGED BY <u>Rob Wilhelmi</u> CHECKED BY _____	▽ AT END OF DRILLING <u>---</u>
NOTES _____	▽ AFTER DRILLING <u>5.3 ft</u>

DEPTH (ft)	SAMPLE TYPE NUMBER	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
5		Encountered groundwater at five feet.		▽	Blind drilled (no samples) to 10 feet. Strong septic/organic odor in air during augering. Soils appeared similar to B-17/MW2. No samples needed, GW only.	
10			Concrete	0.9	Concrete.	
					Bottom of hole at 10.0 feet.	

GENERAL BH / TP / WELL BARNES 16-27 RW46282 - BORING LOGS.GPJ GINT US.GDT 5/20/10



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WELL NUMBER B-19 / MW-4

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CLIENT City of Rockford **PROJECT NAME** Former W. F. & Barnes/Ingersoll Property
PROJECT NUMBER 46282P - A07B **PROJECT LOCATION** 301 South Street
DATE STARTED 4/20/07 **COMPLETED** 4/20/07 **GROUND ELEVATION** _____ **HOLE SIZE** 2" & 8.25"
DRILLING CONTRACTOR Transhield **GROUND WATER LEVELS:**
DRILLING METHOD 4.25" Hollow Stem Auger ▽ **AT TIME OF DRILLING** 5.0 ft
LOGGED BY Rob Wilhelmi **CHECKED BY** _____ **AT END OF DRILLING** ---
NOTES _____ ▽ **AFTER DRILLING** 4.0 ft

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0.8				Concrete		Concrete.	0	<p>Concrete</p> <p>Bentonite Capped Riser (2" ID, Sch. 40 PVC), (Flush 4TPI Threads with O ring)</p> <p>Sand</p> <p>7" Screen (2" ID, Sch. 40 PVC with 0.01" slots)</p>
4.0	MC 1	100	Sampled at 3'-4'	CL		Dark brown/black sand/silt with gravels. Dry (crunchy fill), medium stiff.	0	
5.0				CL		Dark brown/black sand/silt with gravels. Dry (crunchy fill), medium stiff becoming more clayey at 5 feet (saturated).	0	
10.0	MC 2	100		CL		Gray sandy/silty/clay with gravels, medium plasticity, medium stiffness, no odors, saturated, increase in sands/gravels as depth increases	0	
						Bottom of hole at 10.0 feet.	0	

GENERAL BH / TP / WELL BARNES 16-27 RW46282 - BORING LOGS.GPJ GINT US.GDT 5/20/10



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WELL NUMBER B-20 / MW-5

CLIENT City of Rockford **PROJECT NAME** Former W. F. & Barnes/Ingersoll Property

PROJECT NUMBER 46282P - A07B **PROJECT LOCATION** 301 South Street

DATE STARTED 4/20/07 **COMPLETED** 4/20/07 **GROUND ELEVATION** _____ **HOLE SIZE** 2" & 8.25"

DRILLING CONTRACTOR Transhield **GROUND WATER LEVELS:**

DRILLING METHOD 4.25" Hollow Stem Auger **AT TIME OF DRILLING** 10.5 ft

LOGGED BY Rob Wilhelmi **CHECKED BY** _____ **AT END OF DRILLING** ---

NOTES _____ **AFTER DRILLING** 5.1 ft

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0.7						Concrete.		Concrete
5	MC 1	75	Sampled at 2'-5'	CL		Black, crunchy, sand, silt, gravels, evidence of coal ash and brick. No plastic, very stiff.	0	Bentonite Capped Riser (2" ID, Sch. 40 PVC), (Flush 4TPI Threads with O ring)
10	MC 2	70	Sampled at 9'-10.5'	CL		Dark brown/black, silt clay, stiff (moist), medium high plastic.	0	Sand 10' Screen (2" ID, Sch. 40 PVC with 0.01" slots)
10				CL		Brown silt clay, soft, medium/high plastic, moist, becomes leaner with depth.	0	
10.5				CL		Grey brown, silt, sand, clay (lean), soft, low plastic, saturated. Groundwater at 10.5'	0	
15	MC 3	80		CL		Grey brown, silt, sand, gravels, saturated (river bed material), no odors.	0	
15.0				CL		Bottom of hole at 15.0 feet.	0	

GENERAL BH / TP / WELL BARNES 16-27 RW46282 - BORING LOGS.GPJ GINT US.GDT 5/20/10



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WELL NUMBER B-21/MW-6

CLIENT City of Rockford **PROJECT NAME** Former W. F. & Barnes/Ingersoll Property

PROJECT NUMBER 46282P - A07B **PROJECT LOCATION** 301 South Street

DATE STARTED 4/20/07 **COMPLETED** 4/20/07 **GROUND ELEVATION** _____ **HOLE SIZE** 2" & 8.25"

DRILLING CONTRACTOR Transshield **GROUND WATER LEVELS:**

DRILLING METHOD 4.25" Hollow Stem Auger **▽ AT TIME OF DRILLING** 10.0 ft

LOGGED BY Rob Wilhelmi **CHECKED BY** _____ **AT END OF DRILLING** ---

NOTES Malfunctioning PID **▽ AFTER DRILLING** 5.4 ft

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0.9				CL		Concrete.	
3.0				CL		Yellow brown, silt/sand, gravel fill, dry, stiff, no plastic.	
5.8				CL		Dark brown, sand/clay/silt with brick and gravels, dry, some crunchy stuff, silt.	
5.8	MC 1	55					
8.0				CL		Dark brown/black, sand, silt, clay, stiff, medium/high plastic, moist.	
8.0	MC 2	50	Sampled at 8'-10'				
9.8				CL		Yellow brown, sand, silt, clay, stiff, medium/high plastic, moist.	
10.0				CL		Yellow brown, sand, silt, clay, stiff, medium/high plastic, moist.	
12.0				CL		Grey/brown, silt, clay, sand with gravels. Groundwater at 10'	
12.0	MC 3	60					
15.0				CL		Light grey sands and gravels (river bed material) saturated, very stiff.	
15.0						Bottom of hole at 15.0 feet.	

GENERAL BH / TP / WELL BARNES 16-27 RW46282 - BORING LOGS.GPJ GINT US.GDT 5/20/10



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BORING NUMBER B-22

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CLIENT City of Rockford **PROJECT NAME** Former W. F. & Barnes/Ingersoll Property
PROJECT NUMBER 46282P - A07B **PROJECT LOCATION** 301 South Street
DATE STARTED 10/26/07 **COMPLETED** 10/26/07 **GROUND ELEVATION** _____ **HOLE SIZE** _____
DRILLING CONTRACTOR Transshield **GROUND WATER LEVELS:**
DRILLING METHOD Shovel **AT TIME OF DRILLING** ---
LOGGED BY Rob Wilhelmi **CHECKED BY** _____ **AT END OF DRILLING** ---
NOTES _____ **AFTER DRILLING** ---

DEPTH (ft)	SAMPLE TYPE NUMBER	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
	GB 1	Sampled at 1'	SC- SM GW		1.0 Brown sand/silt/clay topsoil, dry, soft, no plasticity 2.0 Gravel	0.0
					Bottom of hole at 2.0 feet.	0.0



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BORING NUMBER B-23

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CLIENT <u>City of Rockford</u>	PROJECT NAME <u>Former W. F. & Barnes/Ingersoll Property</u>
PROJECT NUMBER <u>46282P - A07B</u>	PROJECT LOCATION <u>301 South Street</u>
DATE STARTED <u>10/26/07</u> COMPLETED <u>10/26/07</u>	GROUND ELEVATION _____ HOLE SIZE <u>2"</u>
DRILLING CONTRACTOR <u>Transhield</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Geoprobe - Macro-Core Sampler</u>	▽ AT TIME OF DRILLING <u>8.0 ft</u>
LOGGED BY <u>Rob Wilhelmi</u> CHECKED BY _____	AT END OF DRILLING <u>---</u>
NOTES _____	AFTER DRILLING <u>---</u>

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
5	MC 1	60	Sampled at 2'-3'	SM	0.1	Asphalt	0.0
					2.5	Dark brown black sand/silt with gravels, crunchy fill materials, moist, no plasticity, soft	0.0
	SC-SM	4.8		Brown silt/sand/clay with gravels, moist, low plasticity, stiff	0.0		
	SP	8.0		Yellow brown sand with gravels (smooth pebbles), no plasticity, loose, moist	0.0		
	SP	9.5		Sand and gravels, wet, loose, no plasticity	0.0		
	MC 2	100			10.0	Bedrock refusal at 9.5'	0.0
						Bottom of hole at 9.5 feet.	

GENERAL BH / TP / WELL BARNES 16-27 RW46282 - BORING LOGS.GPJ GINT US.GDT 5/20/10



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CLIENT <u>City of Rockford</u>	PROJECT NAME <u>Former W. F. & Barnes/Ingersoll Property</u>
PROJECT NUMBER <u>46282P - A07B</u>	PROJECT LOCATION <u>301 South Street</u>
DATE STARTED <u>10/26/07</u> COMPLETED <u>10/26/07</u>	GROUND ELEVATION _____ HOLE SIZE <u>2"</u>
DRILLING CONTRACTOR <u>Transhield</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Geoprobe - Macro-Core Sampler</u>	▽ AT TIME OF DRILLING <u>9.0 ft</u>
LOGGED BY <u>Rob Wilhelm</u> CHECKED BY _____	AT END OF DRILLING <u>---</u>
NOTES _____	AFTER DRILLING <u>---</u>

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
5	MC 1	60	Sampled at 1'-2'	SP	0.1	Asphalt	
				SC	1.0	Gray brown sand and gravels with fill material (bricks), loose, moist, no plasticity	0.0
				SM	1.3	Brown sand/silt/clay, medium stiff, moist, low plasticity	0.0
5	MC 1	60		SP		Yellow brown sand and gravels, loose, no plasticity, very moist	0.0
							0.0
10	MC 2	60			5.0	Yellow brown sand and gravels, loose, no plasticity, very moist, black boulder at 7'	0.0
				SP			0.0
							0.0
10	MC 2	60			9.0	▽ Yellow brown sand and gravels, loose, no plasticity, saturated	0.0
				SP			0.0
	MC 3	0			10.5	Refusal at 10.5', possible bedrock Bottom of hole at 10.5 feet.	
					11.0		

GENERAL BH / TP / WELL BARNES 16-27 RW46282 - BORING LOGS.GPJ GINT US.GDT 5/20/10



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WELL NUMBER B-25 / MW-7

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CLIENT <u>City of Rockford</u>	PROJECT NAME <u>Former W. F. & Barnes/Ingersoll Property</u>
PROJECT NUMBER <u>46282P - A07B</u>	PROJECT LOCATION <u>301 South Street</u>
DATE STARTED <u>10/26/07</u> COMPLETED <u>10/26/07</u>	GROUND ELEVATION _____ HOLE SIZE <u>2" & 8.25"</u>
DRILLING CONTRACTOR <u>Transshield</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Geoprobe - Macro-Core Sampler/4.25" HSA</u>	▽ AT TIME OF DRILLING <u>9.0 ft</u>
LOGGED BY <u>Rob Wilhelmi</u> CHECKED BY _____	▽ AT END OF DRILLING <u>---</u>
NOTES _____	▽ AFTER DRILLING <u>7.5 ft</u>

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM		
0	MC 1	70	Sampled at 9'	CL-ML	0.3	Brown silty topsoil with some clay/sand, high organic content, loose, soft, no plasticity, dry	0.0			
				GW	3.5	Yellow gravel fill, moist, loose, no plasticity	0.0			
5	MC 2	80		SW	5.3	Brown silt/sand with gravels (fill), glass/slag present, plastic sheet at 4.75'	0.0			
SP				7.5	Brown sand, moist, loose, no plasticity	0.0				
10	AU 1	100		SW	8.8	Brown sands and gravels, very moist, no plasticity,	0.0			
				SW	10.0	Black gray sands and gravels, wet, no plasticity, strong odor; Refusal of geoprobe at 9'; deeper lithology described during well installation.	773			
15					SW	15.0	Gray sand and gravel with some fines, wet		22.8	
Bottom of hole at 15.0 feet.										

GENERAL BH / TP / WELL BARNES 16-27 RW46282 - BORING LOGS.GPJ GINT US.GDT 5/20/10



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CLIENT <u>City of Rockford</u>	PROJECT NAME <u>Former W. F. & Barnes/Ingersoll Property</u>
PROJECT NUMBER <u>46282P - A07B</u>	PROJECT LOCATION <u>301 South Street</u>
DATE STARTED <u>10/26/07</u> COMPLETED <u>10/26/07</u>	GROUND ELEVATION _____ HOLE SIZE <u>2"</u>
DRILLING CONTRACTOR <u>Transhield</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Geoprobe - Macro-Core Sampler</u>	AT TIME OF DRILLING <u>---</u>
LOGGED BY <u>Rob Wilhelmi</u> CHECKED BY _____	AT END OF DRILLING <u>---</u>
NOTES _____	AFTER DRILLING <u>---</u>

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	
5	MC 1	40		SM		0.3	Brown sand/silt with gravels, dry, no plasticity, loose	0.0
						Yellow brown gravel, dry, no plasticity, loose	0.0	
				GW			0.0	
							0.0	
							0.0	
	MC 2	30	Sampled at 8'-9'	ML		7.5	Brown silt/sand with gravels, low moisture, no plasticity, loose	0.0
				8.8			28	
				SP		9.0	Gray black staining sand/rock material, very moist, slight odor at 9'	208
						10.0	Refusal at 9'	
							Bottom of hole at 9.0 feet.	

GENERAL BH / TP / WELL BARNES 16-27 RW46282 - BORING LOGS.GPJ GINT US.GDT 5/20/10



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BORING NUMBER B-27

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CLIENT City of Rockford **PROJECT NAME** Former W. F. & Barnes/Ingersoll Property
PROJECT NUMBER 46282P - A07B **PROJECT LOCATION** 301 South Street
DATE STARTED 10/26/07 **COMPLETED** 10/26/07 **GROUND ELEVATION** _____ **HOLE SIZE** _____
DRILLING CONTRACTOR Transhield **GROUND WATER LEVELS:**
DRILLING METHOD Shovel **AT TIME OF DRILLING** ---
LOGGED BY Rob Wilhelmi **CHECKED BY** _____ **AT END OF DRILLING** ---
NOTES _____ **AFTER DRILLING** ---

DEPTH (ft)	SAMPLE TYPE NUMBER	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	
	GB 1	Sampled at 1'	SC- SM SP		1.0 2.0	Brown sand/silt/clay topsoil, dry, soft, no plasticity Light brown sand with gravels, dry, soft, no plasticity	0.0 0.0
					Bottom of hole at 2.0 feet.	0.0	



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WELL NUMBER B-1

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CLIENT City of Rockford PROJECT NAME Former Ward Pump Ingersoll Milling Machine Property
 PROJECT NUMBER 46282P-A07A PROJECT LOCATION 301 South Water Street, Rockford, Illinois
 DATE STARTED 11/29/06 COMPLETED 11/29/06 GROUND ELEVATION 706.25 ft HOLE SIZE 2"
 DRILLING CONTRACTOR Transhield GROUND WATER LEVELS:
 DRILLING METHOD Geoprobe - Macro-Core Sampler ∇ AT TIME OF DRILLING 10.0 ft / Elev 696.3 ft
 LOGGED BY Rob Wilhelmi CHECKED BY Rob Wilhelmi AT END OF DRILLING ---
 NOTES Boring conducted in active plastics processing area. AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0.5				CL-ML		Concrete	705.8	
5	MC 1	38		GW		Yellow, Dry, Medium Sand and Gravel.	4.7	
	MC 2	75		GW		6.0 Grey, Moist, Medium Sand with Light Gravels, Odor detected.	5.2 21.5	
				GW		8.0 Grey, Moist, Medium Sand with Light Gravels, Odor detected. Soil becomes wet at 10 feet.	698.3	
10	MC 3	75	Laboratory sample taken at 8-10 foot interval. Groundwater encountered at 10 feet.	GW		10.0 ∇ 696.3 Grey, Wet, Sandy-Clay with Light Gravels, Soft with Medium Plasticity.	675 681	
				CL		11.5 694.8 Grey, Wet, Sandy-Clay with Light Gravels, Soft with Medium Plasticity. Soil becomes more Yellowish-Brown at 12 feet.	52.5	
				CL		12.0 694.3 Bottom of hole at 12.0 feet.		

GENERAL BH / TP / WELL WARD BORING LOGS.GPJ GINT US.GDT 5/20/10



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WELL NUMBER B-10

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CLIENT <u>City of Rockford</u>	PROJECT NAME <u>Former Ward Pump Ingersoll Milling Machine Property</u>
PROJECT NUMBER <u>46282P-A07A</u>	PROJECT LOCATION <u>301 South Water Street, Rockford, Illinois</u>
DATE STARTED <u>11/29/06</u> COMPLETED <u>11/29/06</u>	GROUND ELEVATION <u>706.22 ft</u> HOLE SIZE <u>2"</u>
DRILLING CONTRACTOR <u>Transhield</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Geoprobe - Macro-Core Sampler</u>	AT TIME OF DRILLING <u>---</u>
LOGGED BY <u>Rob Wilhelmi</u> CHECKED BY <u>Rob Wilhelmi</u>	AT END OF DRILLING <u>---</u>
NOTES <u>Boring conducted in active plastics processing area.</u>	AFTER DRILLING <u>---</u>

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
5	MC 1	38	Sampled at 2-4 foot interval to address paint shop contamination.	SP		0.1 Concrete	706.1	
						Yellow Brown, Sand, Dry, Medium.	9.7	
	MC 2	13	Auger refusal at 7 feet, appeared to hit concrete, driller had no concrete bit onsite to rebores additional hole.			10.1		
						9.3		
						9.4		
					699.2			
					7.0	Bottom of hole at 7.0 feet.		

GENERAL BH / TP / WELL WARD BORING LOGS.GPJ GINT US.GDT 5/20/10



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WELL NUMBER B-11/MW-1

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CLIENT City of Rockford **PROJECT NAME** Former Ward Pump Ingersoll Milling Machine Property
PROJECT NUMBER 46282P-A07A **PROJECT LOCATION** 301 South Water Street, Rockford, Illinois
DATE STARTED 10/23/07 **COMPLETED** 10/23/07 **GROUND ELEVATION** _____ **HOLE SIZE** 6.25"
DRILLING CONTRACTOR Transhield **GROUND WATER LEVELS:**
DRILLING METHOD Geoprobe 6620 DT- Macro-Core Sampler/6.25" HSA ▽ **AT TIME OF DRILLING** 10.0 ft
LOGGED BY Rob Wilhelmi **CHECKED BY** Rob Wilhelmi **AT END OF DRILLING** ---
NOTES _____ ▽ **AFTER DRILLING** 4.3 ft

DEPTH (ft)	SAMPLE TYPE NUMBER	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0.5				Concrete See B-1 boring log		
5	AU 1					
8'-10'		Sampled at 8'-10'				
10						
12.0				Bottom of hole at 12.0 feet.		Well set to 12' bgs

GENERAL BH / TP / WELL WARD BORING LOGS.GPJ GINT US.GDT 5/20/10



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WELL NUMBER B-12/MW-2

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CLIENT City of Rockford PROJECT NAME Former Ward Pump Ingersoll Milling Machine Property
 PROJECT NUMBER 46282P-A07A PROJECT LOCATION 301 South Water Street, Rockford, Illinois
 DATE STARTED 10/23/07 COMPLETED 10/23/07 GROUND ELEVATION _____ HOLE SIZE 6.25"
 DRILLING CONTRACTOR Transshield GROUND WATER LEVELS:
 DRILLING METHOD Geoprobe 6620 DT- Macro-Core Sampler/6.25" HSA ∇ AT TIME OF DRILLING 5.0 ft
 LOGGED BY Rob Wilhelmi CHECKED BY Rob Wilhelmi AT END OF DRILLING ---
 NOTES _____ ∇ AFTER DRILLING 4.4 ft

DEPTH (ft)	SAMPLE TYPE NUMBER	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
5	AU 1	Sampled at 1.5'		See B-3 boring log		
10				Bottom of hole at 13.0 feet.		

GENERAL BH / TP / WELL WARD BORING LOGS.GPJ GINT US.GDT 5/20/10



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WELL NUMBER B-13/MW-3

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CLIENT City of Rockford **PROJECT NAME** Former Ward Pump Ingersoll Milling Machine Property
PROJECT NUMBER 46282P-A07A **PROJECT LOCATION** 301 South Water Street, Rockford, Illinois
DATE STARTED 10/23/07 **COMPLETED** 10/23/07 **GROUND ELEVATION** _____ **HOLE SIZE** 6.25"
DRILLING CONTRACTOR Transshield **GROUND WATER LEVELS:**
DRILLING METHOD Geoprobe 6620 DT- Macro-Core Sampler/6.25" HSA **AT TIME OF DRILLING** ---
LOGGED BY Rob Wilhelmi **CHECKED BY** Rob Wilhelmi **AT END OF DRILLING** ---
NOTES _____ **▼ AFTER DRILLING** 4.7 ft

DEPTH (ft)	SAMPLE TYPE NUMBER	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0.8					Concrete	<p> 8" Flush mount cover Bentonite Riser (2" ID, Sch. 40 PVC) Sand 6' High flow screen (2" ID, Sch. 40 PVC with 0.01" slots) Flush 4TPI threads with O ring Well set to 9' bgs </p>
2.5		Sampled at 2'			Junk fill with slag	
9.0	AU 1		GP		Heavy gravel and rocks	
					Bottom of hole at 9.0 feet.	

GENERAL BH / TP / WELL WARD BORING LOGS.GPJ GINT US.GDT 5/20/10



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WELL NUMBER B-14/MW-4

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CLIENT City of Rockford **PROJECT NAME** Former Ward Pump Ingersoll Milling Machine Property
PROJECT NUMBER 46282P-A07A **PROJECT LOCATION** 301 South Water Street, Rockford, Illinois
DATE STARTED 10/23/07 **COMPLETED** 10/23/07 **GROUND ELEVATION** _____ **HOLE SIZE** 6.25"
DRILLING CONTRACTOR Transshield **GROUND WATER LEVELS:**
DRILLING METHOD Geoprobe 6620 DT- Macro-Core Sampler/6.25" HSA ∇ **AT TIME OF DRILLING** 5.0 ft
LOGGED BY Rob Wilhelmi **CHECKED BY** Rob Wilhelmi **AT END OF DRILLING** ---
NOTES _____ ∇ **AFTER DRILLING** 4.3 ft

DEPTH (ft)	SAMPLE TYPE NUMBER	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
0.7		Concrete		Concrete		
5	AU 1	Sampled at 1'		See B-4 boring log	0.0	
10					0.0	
13.0				Bottom of hole at 13.0 feet.	0.0	

GENERAL BH / TP / WELL WARD BORING LOGS.GPJ GINT US.GDT 5/20/10



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BORING NUMBER B-15

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CLIENT <u>City of Rockford</u>	PROJECT NAME <u>Former Ward Pump Ingersoll Milling Machine Property</u>
PROJECT NUMBER <u>46282P-A07A</u>	PROJECT LOCATION <u>301 South Water Street, Rockford, Illinois</u>
DATE STARTED <u>10/23/07</u> COMPLETED <u>10/23/07</u>	GROUND ELEVATION _____ HOLE SIZE <u>2"</u>
DRILLING CONTRACTOR <u>Transhield</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Geoprobe 6620 DT- Macro-Core Sampler</u>	AT TIME OF DRILLING <u>---</u>
LOGGED BY <u>Rob Wilhelmi</u> CHECKED BY <u>Rob Wilhelmi</u>	AT END OF DRILLING <u>---</u>
NOTES <u>No evidence of contamination, no well constructed</u>	AFTER DRILLING <u>---</u>

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
5	MC 1	50	Sampled at 1'		0.5	Concrete	
					0.6	Historical brick floor	
10	MC 2	50	Sampled at 6.5'-7.5'	SC-SM	1.0	No recovery	0.0
					1.3	Black brown silt/sand/clay fill with gravels, no plasticity, moist, soft	0.0
					4.5	Brown sand with gravels, no plasticity, moist, loose, soft, boulder at 4.5'	0.0
				SP			0.0
					6.8	Brown sand/silt/clay, very moist, high plasticity, medium stiff, light brown mottles, becomes lighter in color with depth	0.0
				SC-SM			0.0
					9.0	Gray sand/silt/clay with gravels, very moist, medium stiff, soft, high plasticity	0.0
				SC-SM			0.0
					10.0	Bottom of hole at 10.0 feet.	

GENERAL BH / TP / WELL WARD BORING LOGS.GPJ GINT US.GDT 5/20/10



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WELL NUMBER B-2

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CLIENT City of Rockford **PROJECT NAME** Former Ward Pump Ingersoll Milling Machine Property
PROJECT NUMBER 46282P-A07A **PROJECT LOCATION** 301 South Water Street, Rockford, Illinois
DATE STARTED 11/27/06 **COMPLETED** 11/27/06 **GROUND ELEVATION** 706.02 ft **HOLE SIZE** 2"
DRILLING CONTRACTOR Transhield **GROUND WATER LEVELS:**
DRILLING METHOD Geoprobe - Macro-Core Sampler **∇ AT TIME OF DRILLING** 10.0 ft / Elev 696.0 ft
LOGGED BY Rob Wilhelm **CHECKED BY** Rob Wilhelm **AT END OF DRILLING** ---
NOTES Equipment Blank #2 for 11-27-2006 taken at this boring. **AFTER DRILLING** ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
5	MC 1	60			0.4	Asphalt and Gravel	705.6	<p>← Borehole plugged with bentonite</p>
				GP	1.3	Gravel	704.8	
	OL	2.5	Dark Brown, Wet, Silty-Sand with Gravels, High Organic Content, Soft with Low Plasticity.	703.5				
	OL		Dark Brown, Wet, Silty-Sand with Less Gravels, High Organic Content, Soft with Low Plasticity.	701.0				
10	MC 2	70	Laboratory sample taken at the 9-10 foot interval.		5.0	Dark Brown, Wet, Silty-Sand with less Gravels, High Organic Content, Soft with Low Plasticity.	3.1	
				OL	6.3	Dark Brown, Wet, Silty-Sand with less Gravels, High Organic Content, Soft with Low Plasticity. 1 inch gravel seem encountered at 6.25 feet.		
				CL-ML	8.3	Dark Brown to Black, Highly Moist, Sandy-Silty-Clay, Medium Stiffness with Medium Plasticity.	3.1	
				CL	9.5	Dark Grey, Moist, Sandy-Clay, Medium Stiffness with Medium Plasticity.	7.1	
	CH	10.0	Olive-Grey, Highly Moist, Sandy-Clay, Stiff with Medium to High Plasticity.	696.0				
	MC 3	60	Groundwater encountered at 10-11.5 foot interval Auger refusal @ 13 feet, evidence of bedrock		11.5	Olive-Grey, Highly Moist, Sandy-Clay, Very Soft and Saturated, Low Plasticity.	4.2	
				CL		Clay-Sand with Gravels, Saturated.		
					13.0	Bottom of hole at 13.0 feet.		

GENERAL BH / TP / WELL WARD BORING LOGS.GPJ GINT US.GDT 5/20/10



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WELL NUMBER B-3

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CLIENT City of Rockford **PROJECT NAME** Former Ward Pump Ingersoll Milling Machine Property
PROJECT NUMBER 46282P-A07A **PROJECT LOCATION** 301 South Water Street, Rockford, Illinois
DATE STARTED 11/30/06 **COMPLETED** 11/30/06 **GROUND ELEVATION** 706.23 ft **HOLE SIZE** 2"
DRILLING CONTRACTOR Transhield **GROUND WATER LEVELS:**
DRILLING METHOD Geoprobe - Macro-Core Sampler **▽ AT TIME OF DRILLING** 5.0 ft / Elev 701.2 ft
LOGGED BY Rob Wilhelm **CHECKED BY** Rob Wilhelm **AT END OF DRILLING** ---
NOTES PID malfunctioned. **AFTER DRILLING** ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
						Concrete	
					1.0	705.2	
	MC 1	40	Laboratory sample from 3 to 5 feet	GP-GM		Dark Brown, Moist, Sandy-Silt with Gravels, Medium Stiff, No Odor. Evidence of Foundry Slag.	
5					5.0	701.2	
				GP-GM		Dark Brown, Wet, Silty-Sandy and Gravel, Stiff, No Plasticity, No Odor.	
	MC 2	50	Groundwater encountered at 5-6 feet	GP-GM		Dark Brown, Wet, Silty-Sandy and Gravel, Stiff, No Plasticity, No Odor. Saturated with Blackish fluid.	
				SM		Dark Brown, Wet, Silty-Sand.	
10					8.0	698.2	
					10.0	696.2	
						Bottom of hole at 10.0 feet.	

GENERAL BH / TP / WELL WARD BORING LOGS.GPJ GINT US.GDT 5/20/10



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WELL NUMBER B-4

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CLIENT City of Rockford PROJECT NAME Former Ward Pump Ingersoll Milling Machine Property
 PROJECT NUMBER 46282P-A07A PROJECT LOCATION 301 South Water Street, Rockford, Illinois
 DATE STARTED 12/1/06 COMPLETED 12/1/06 GROUND ELEVATION 706.21 ft HOLE SIZE 2"
 DRILLING CONTRACTOR Transshield GROUND WATER LEVELS:
 DRILLING METHOD Geoprobe - Macro-Core Sampler ▽ AT TIME OF DRILLING 5.0 ft / Elev 701.2 ft
 LOGGED BY Rob Wilhelm CHECKED BY Rob Wilhelm AT END OF DRILLING ---
 NOTES PID malfunctioned. AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
						Concrete	
	MC 1	63	Laboratory sample from 2-4 feet		0.8	705.4	<p>← borehole plugged with bentonite</p>
					4.5	701.8	
5	MC 2	50	Groundwater encountered		6.0	700.2	
				SM	8.0	698.2	
						Bottom of hole at 8.0 feet.	

GENERAL BH / TP / WELL WARD BORING LOGS.GPJ GINT US.GDT 5/20/10



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CLIENT City of Rockford PROJECT NAME Former Ward Pump Ingersoll Milling Machine Property
 PROJECT NUMBER 46282P-A07A PROJECT LOCATION 301 South Water Street, Rockford, Illinois
 DATE STARTED 11/28/06 COMPLETED 11/28/06 GROUND ELEVATION 706.21 ft HOLE SIZE 2"
 DRILLING CONTRACTOR Transhield GROUND WATER LEVELS:
 DRILLING METHOD Geoprobe - Macro-Core Sampler ∇ AT TIME OF DRILLING 10.0 ft / Elev 696.2 ft
 LOGGED BY Rob Wilhelm CHECKED BY Rob Wilhelm AT END OF DRILLING ---
 NOTES Elevated PID reading possibly a result of increased moisture content AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
						Concrete	705.4	<p>Plugged borehole with bentonite</p>
				GW	0.8		705.4	
				CL-ML	1.0	Brown, Moist, Gravelly-Sand	705.2	
	MC 1	63		CL-ML	2.0	Brown, Dry, Sandy-Clay Silt, Soft with Low Plasticity.	704.2	
				SP		Brown, Dry, Sand.	3.5	
5	MC 2	75					2.6	
				CH	6.3	Dark-Brown, Moist, Sandy-Silty-Clay, Medium Stiffness with High Plasticity.	3.4	
				CH	7.5	Brown, Moist, Sandy-Silty-Clay, Medium Stiffness with High Plasticity.		
10	MC 3	90					5.4	
				CL-ML	10.0 ∇	Brown, Saturated, Silty-Sandy-Clay, Soft with Low Plasticity.	696.2	
				SM	11.0	Brown, Saturated, Silty-Clayey Sand, Stiff.	695.2	
					12.0		694.2	
	MC 4	100	Cobbles or bedrock at 14 feet.	CL		Yellow-Brown, Saturated, Sandy-Silty-Clay with Gravels, Stiff with Medium to High Plasticity.	692.2	
15					14.0	Saturated, Gravels and Rock, possibly stream bed material or bedrock. Refusal at 14 feet.	5.5	
							4.2	
	MC 5	75				Bottom of hole at 16.0 feet.	690.2	

GENERAL BH / TP / WELL WARD BORING LOGS.GPJ GINT US.GDT 5/20/10



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WELL NUMBER B-6

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CLIENT City of Rockford **PROJECT NAME** Former Ward Pump Ingersoll Milling Machine Property
PROJECT NUMBER 46282P-A07A **PROJECT LOCATION** 301 South Water Street, Rockford, Illinois
DATE STARTED 11/29/06 **COMPLETED** 11/29/06 **GROUND ELEVATION** 706.26 ft **HOLE SIZE** 2"
DRILLING CONTRACTOR Transhield **GROUND WATER LEVELS:**
DRILLING METHOD Geoprobe - Macro-Core Sampler **∇ AT TIME OF DRILLING** 6.0 ft / Elev 700.3 ft
LOGGED BY Rob Wilhelm **CHECKED BY** Rob Wilhelm **AT END OF DRILLING** ---
NOTES Boring conducted in active plastics processing area. **AFTER DRILLING** ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	WELL DIAGRAM
5	MC 1	50	Laboratory sample collected at 2-4 feet		Concrete		705.3	
				SM	Dark Brown, Moist, Sandy-Silt with Gravels, Soft, Traces of Coal Ash and Crushed Brick, Slight Odor detected at 4 foot interval.	9.9		
	SM	Dark Brown, Moist, Sandy-Silt with Gravels, Soft, Traces of Ash Cinders and Crushed Brick, Slight Odor detected at 4 foot interval.	702.3					
	SW-SM	Dark Brown, Wet, Blackish Fluid, Sandy-Silt with Rocks, No Plasticity	701.3					
	SM	Dark Black, Saturated, Sandy-Silt with Rocks, No Plasticity.	700.3					
	SM	Dark Black, Saturated, Sandy-Silt with Rocks, No Plasticity.	698.3					
			Groundwater encountered at 6-7 feet, Potential Free Product occurrence at groundwater.				20.3	
	MC 2	63					6.8	
						Bottom of hole at 8.0 feet.	7.4	



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CLIENT <u>City of Rockford</u>	PROJECT NAME <u>Former Ward Pump Ingersoll Milling Machine Property</u>
PROJECT NUMBER <u>46282P-A07A</u>	PROJECT LOCATION <u>301 South Water Street, Rockford, Illinois</u>
DATE STARTED <u>10/23/07</u> COMPLETED <u>10/23/07</u>	GROUND ELEVATION _____ HOLE SIZE <u>2"</u>
DRILLING CONTRACTOR <u>Transhield</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Geoprobe 6620 DT- Macro-Core Sampler</u>	AT TIME OF DRILLING <u>---</u>
LOGGED BY <u>Rob Wilhelmi</u> CHECKED BY <u>Rob Wilhelmi</u>	AT END OF DRILLING <u>---</u>
NOTES <u>Hole abandoned due to steel re-inforced concrete</u>	AFTER DRILLING <u>---</u>

DEPTH (ft)	SAMPLE TYPE NUMBER	GRAPHIC LOG	MATERIAL DESCRIPTION
	MC 1		Steel re-inforced concrete
		1.5	Bottom of hole at 1.5 feet.



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CLIENT <u>City of Rockford</u>	PROJECT NAME <u>Former Ward Pump Ingersoll Milling Machine Property</u>
PROJECT NUMBER <u>46282P-A07A</u>	PROJECT LOCATION <u>301 South Water Street, Rockford, Illinois</u>
DATE STARTED <u>11/30/06</u> COMPLETED <u>11/30/06</u>	GROUND ELEVATION <u>706.24 ft</u> HOLE SIZE <u>2"</u>
DRILLING CONTRACTOR <u>Transhield</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Geoprobe - Macro-Core Sampler</u>	▽ AT TIME OF DRILLING <u>10.0 ft / Elev 696.2 ft</u>
LOGGED BY <u>Rob Wilhelm</u> CHECKED BY <u>Rob Wilhelm</u>	AT END OF DRILLING <u>---</u>
NOTES <u>PID malfunctioned.</u>	AFTER DRILLING <u>---</u>

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
						0.8 Concrete	705.4
						Brown, Gravelly Sand, Fill.	
	MC 1	75					
						3.8	702.5
				SM		4.0 Medium Brown, Silty Sand, Soft, No Plasticity, No Odor.	702.2
5				SM		5.3 Medium Brown, Silty Sand, becoming Medium Stiff, No Plasticity, No Odor.	701.0
	MC 2	75				Dark Brown, Sandy-Silty-Clay, Stiff, Medium Plasticity, Moist, No Odors.	
				CL-ML			
						7.8	698.5
				CL-ML		8.0 Brown, Sandy-Silty-Clay, Stiff, Medium Plasticity, Moist, No Odors.	698.2
				CL-ML		Brown, Sandy-Silty-Clay, Stiff, Medium Plasticity, Moist, No Odors, Becoming wet at 10 feet.	
10	MC 3	63	Laboratory sample collected from 8-10 feet. Groundwater encountered.			10.0 ▽ Yellow Brown, Clayey Sand with Gravels, Wet.	696.2
				CL			
						12.0	694.2
						Bottom of hole at 12.0 feet.	

← Borehole plugged with bentonite.

GENERAL BH / TP / WELL WARD BORING LOGS.GPJ GINT US.GDT 5/20/10



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BORING NUMBER B-9

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CLIENT <u>City of Rockford</u>	PROJECT NAME <u>Former Ward Pump Ingersoll Milling Machine Property</u>
PROJECT NUMBER <u>46282P-A07A</u>	PROJECT LOCATION <u>301 South Water Street, Rockford, Illinois</u>
DATE STARTED <u>11/30/06</u> COMPLETED <u>11/30/06</u>	GROUND ELEVATION <u>706.23 ft</u> HOLE SIZE <u>2"</u>
DRILLING CONTRACTOR <u>Transhield</u>	GROUND WATER LEVELS:
DRILLING METHOD <u>Geoprobe - Macro-Core Sampler</u>	▽ AT TIME OF DRILLING <u>5.0 ft / Elev 701.2 ft</u>
LOGGED BY <u>Rob Wilhelm</u> CHECKED BY <u>Rob Wilhelm</u>	AT END OF DRILLING <u>---</u>
NOTES <u>PID not functioning properly.</u>	AFTER DRILLING <u>---</u>

DEPTH (ft)	SAMPLE TYPE NUMBER	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	
5	MC 1	River surface approximately 5 feet below surface of boring.				705.9
		Rock River on exterior of structure, approximately 15 feet west of boring. Laboratory sampled collected at 3-5 feet	SP-SM		0.3 Wood, Block Flooring. 0.6 Concrete Dark Brown, Moist, Sandy-Silt with Some Gravels, Medium Stiff, No Plasticity, Slight Odor. Evidence of Sandy Clay, Saturated at 5 feet.	705.6
		Slight odor from 0.6 inches to 5 feet.				701.2
					Bottom of hole at 5.0 feet.	