APPENDIX H
BORING INFORMATION

July 1986 Boring Log Summary Table (2014 FR)

August 2000 Soil Boring Information (2014 FR)

2003 Soil Boring Information (2014 FR)

April 2011 Soil Boring Information (2014 FR)

Additional Soil Boring Information (2014 FR)

Additional Soil Boring Logs

December 2018 Soil Boring Logs and Abandonment Forms

July 1986 Boring Log Summary Table

(From 2014 FR)

TABLE 2

EAU CLAIRE COUNTY SEVENMILE CREEK SANITARY LANDFILL
TEST BORINGS AND AUGER BORINGS

No.	Location N-S	Location E-W	Gr Elev.	Bedrock Elev.	H_2O (1) Elev.	Bottom Boring Elev.	Total Depth
TB-1	0+30N	1+60W	897.2	NE	NE	871	26'
TB-2	0+20N	3+40E	901.0	NE	NE	859	42'
TB-3	0+15N	8+40E	896.9	NE	857.5	855	42'
TB-4	5+30N	1+30W	900.6	NE	NE	851.5	49'
TB-5	5+20N	3+50E	895.0	NE	NE	846	49'
TB-6	5+20N	8+50E	894.6	NE	NE	851.5	43'
TB-7	10+30N	2+60E	900.9	NE	NE	869.5	31'
TB-9	10+20N	8+50E	894.3	NE	NE	864	30'
TB-10	15+20N	0+10E	901.3	NE	NE	875	26'
TB-11	15+20N	3+60E	900.3	NE	NE	874	26'
TB-12	15+20N	8+60E	898.8	NE	NE	873	26'
TB-13	20+20N	3+70E	899.8	NE	NE	878	22'
TB-14	20+20N	8+70E	907.1	880	NE	880	27'
TB-15	20+20N	13+60E	910.8	NE	NE	880	31'
TB-16	25+20N	3+80E	907.1	NE	NE	881	26'
TB-17	25+10N	8+70E	908.0	NE	NE	884	24'
TB-18	25+10N	13+70E	913.2	NE	NE	881.5	32'
TB-19	25+10N	18+70E	913.2	905	NE	898	15'
TB-21	30+10N	13+80E	913.2	NE	NE	891.5	22'
TB-22	30+10N	18+80E	921.2	NE	NE	899	22'
TB-23	35+10N	10+30E	908.9	NE	NE	887	22'
TB-24	35+10N	13+80E	912.9	NE	NE	891	22'
TB-26	40+10N	13+85E	910.9	NE	NE	887	24'
TB-27	40+10N	18+80E	916.8	NE	NE	890	27'
TB-28	15+10N	13+60E	906.2	NE	NE	876.0	30'
TB-29	20+10N	18+70E	907.6	NE	NE	981.0	27'
TB-30	18+00N	2+45E	902.97	NE	NE	851.5	41'
TB-31	16+89N	15+95E	903.0	866	871	862.7	40'
TB-32	20+42N	15+49E	911.0	891	901 (2)	885	26'
TB-33	21+39N	17+54E	910.2	890	903 (2)	870	30'
TB-34	24+71N	8+79E	907.4	NE	NE	856	51'
TB-35	24+03N	10+74E	909.8	865	871.5	859	51'

TABLE 2 (continued)

No.	Location N-S	Location E-W	Gr Elev.	Bedrock Elev.	H_2O (1) Elev.	Bottom Boring Elev.	Total Depth
TB-36	24+02N	13+40E	911.6	896	NE	892	20'
TB-37	24+00N	18+76E	911.2	896	887	876	35'
TB-38	26+01N	14+35E	912.6	870	876	862	50'
TB-39	26+46N	17+47E	914.0	896	901 (2)	896	18'
TB-40	29+36N	12+99E	913.0	NE	874.5	866.5	47'
TB-41	28+93N	17+58E	917.8	895	NE	877.6	40'
TB-42	22+00N	10+96E	910.3	879	NE	879	31'
TB-43	20+25N	8+83E	906.4	881	NE	881	25'
TB-44	16+12N	12+37E	906.0	876	871	856	50'
TB-45	13+69N	6+98E	896.4	855	861.7	850.6	46'
TB-46	4+68N	14+85E	906.50	886.0	NE	886.0	20'
TB-47	5+91N	12+42E	904.3	NE	864.6	852.8	51'
TB-48	8+95N	12+58E	896.7	NE	849.9	846.7	50'
TB-49	2+27N	12+30E	904.7	864.7	864.7	863.6	40'
TB-50	13+74N	16+59E	895.1	NE	870.8	860.0	35'
TB-51	7+21N	16+46E	902.4	876.9	NE	872.0	30'
TB-52	4+11N	16+47E	906.0	891.0	NE	891.0	15'
TB-53	0+98N	16+50E	908.0	892.0	NE	892.0	16'
TB-54	2+08N	15+48E	908.5	882.5	NE	882.5	26'
TB-55	2+50N	19+90E	911.03	895.5	NE	894.8	16.2'
TB-56	6+00N	20+29E	895.91	NE	870.9	859.4	36.5'
TB-57	14+35N	19+50E	906.25	866.25	875.25	865.65	40.6'
TB-57A	14+35N	19+41E	905.98	NE	876.0	873.98	32.0'
TB-58	20+00N	19+95E	900.95	NE	876.1	849.5	51.5'
TB-59	9+86N	21+06E	897.28	NE	NE	875.3	22.0'
TB-59A	11+50N	20+87E	904.22	878.22	NE	877.2	27.0'
TB-60	12+87N	15+13E	897.51	NE	869.5	865.5	32.0
AB-A	38+30N	12+00E	908 ±	NE	NR	878 ±	30'
AB-B	38+70N	20+60E	920 ∓	NE	NR	890 ∓	30'
AB-C	34+70N	20+50E	922 ∓	NE	NR	892 ∓	30'
AB-D	29+40N	20+30E	922 ∓	NE	NR	892 ∓	30'
AB-E	22+50N	20+00E	911 ∓	885 ±	NR	885 ∓	26'

TABLE 2 (continued)

No.	Location N-S	Location E-W	Gr Elev.	Bedrock Elev.	H_2O (1) Elev.	Bottom Boring Elev.	Total Depth
AB-F	22+50N	19+75E	911 ±	885 ±	NR	885 ±	26'
AB-G	17+30N	9+10E	899 ±	NE	NR	849 ±	50'
AB-H	22+50N	18+80E	911 ±	885 ±	NR	885 ±	26'
AB-I	23+50N	18+70E	912 ±	890 ±	NR	890 ±	22'
AB-J	24+70N	18+60E	912 ±	894 ±	NR	894 ±	18'
AB-K	22+60N	17+80E	911 ±	890 ±	NR	890 ±	21'
AB-L	22+80N	16+00E	912 ±	896 ±	NR	896 ±	16'
AB-M	27+61N	17+58E	917.3	NR	NR	877 ±	40'
AB-N	22+99N	12+10E	911.0	NR	NR	856 ±	55'
AB-O	21+00N	16+50E	911.1	896.3	897.1 (2)	895.6 ±	15.5'
AB-P	20+00N	16+50E	910.79	895.6	NR	894.6 ±	16.2'

(1) Estimated H_2O elevation encountered during drilling.

(2) Perched H_2O elevation.

LEGEND: TB = Test Boring
AB = Auger Boring
NE = Not Encountered at Boring Depth
NR = None Recorded

August 2000 Soil Boring Information

(From 2014 FR)

TABLE 1
EXISTING GEOTECHNICAL PROGRAM INFORMATION
SOIL BORING INFORMATION
SUPERIOR SERVICES -- SEVEN MILE CREEK LANDFILL SECTOR 2
VERTICAL EXPANSION

Boring Location	Ground Surface Elevation	Boring Depth	Boring Terminus Elevation	Bedrock Elevation	Boring Terminus Formation	Required Elevation (25' below subbase)	Subbase Grade Elevation	Meets Needs		
TB-5*	895	49	846	--	Unconsolidated	877	902	31.00	Y	B
TB-10	901.3	26	875.3	840	Unconsolidated	853	878	(22.30)	N	
TB-11	900.3	26	874.3	850	Unconsolidated	855	880	(19.30)	N	
TB-12	898.8	26	872.8	845	Unconsolidated	857	882	(15.80)	N	
TB-13	899.8	22	877.8	825	Unconsolidated	857	882	(20.80)	N	
TB-14	907.1	27	880.1	880	Bedrock	863	888	(17.10)	N	
TB-15	910.8	31	879.8	880	Unconsolidated	879	904	(0.80)	N	
TB-16	907.1	26	881.1	825	Unconsolidated	865	890	(16.10)	N	
TB-17	908	24	884	850	Unconsolidated	869	894	(15.00)	N	
TB-18	913.2	32	881.2	880	Unconsolidated	884	909	2.80	Y	B
TB-19	913.2	15	898.2	895	Bedrock	884	909	(14.20)	N	
TB-28	906.2	30	876.2	865	Unconsolidated	867	892	(9.20)	N	
TB-29	907.6	27	880.6	875	Unconsolidated	879	904	(1.60)	N	
TB-30	903	51.5	851.5	830	Unconsolidated	851	876	(0.50)	N	
TB-31	903	40.2	862.8	865	Bedrock	869	894	6.20	Y	B
TB-32	911	25.6	885.4	890	Bedrock	879	904	(6.40)	N	
TB-33	910.2	40	870.2	890	Bedrock	881	906	10.80	Y	B
TB-34	907.4	51.5	855.9	855	Unconsolidated	869	894	13.10	Y	B
TB-35	909.8	50.5	859.3	865	Bedrock	870	895	10.70	Y	B
TB-36	911.6	19.5	892.1	890	Bedrock	881	906	(11.10)	N	
TB-37	911.2	35.4	875.8	890	Bedrock	883	908	7.20	Y	B
TB-38	912.6	50.2	862.4	870	Bedrock	885	910	22.60	Y	B
TB-39	914	18.2	895.8	900	Bedrock	885	910	(10.80)	N	
TB-40	913	46.5	866.5	865	Unconsolidated	885	910	18.50	Y	B
TB-41	917.8	40.2	877.6	895	Bedrock	885	910	7.40	Y	B
TB-42	910.3	31.5	878.8	880	Bedrock	867	892	(11.80)	N	
TB-43	906.4	25.2	881.2	880	Bedrock	863	888	(18.20)	N	
TB-43A	906.4	27	879.4	880	Bedrock	863	888	(16.40)	N	
TB-44	906	50	856	875	Bedrock	863	888	7.00	Y	B
TB-45	896.4	45.8	850.6	855	Bedrock	853	878	2.40	Y	B
TB-50	895.1	35	860.1	845	Bedrock	867	892	6.90	Y	B
TB-57	906.25	40.6	865.65	865	Bedrock	867	892	1.35	Y	B
TB-57A	905.98	32	873.98	865	Bedrock	867	892	(6.98)	N	
TB-60	897.51	32	865.51	845	Unconsolidated	867	892	1.49	Y	B
MW/DH-2	908.9	55	853.9	840	Bedrock	869	894	15.10	Y	B
MW/DH-2A	908.2	71.5	836.7	840	Bedrock	869	894	32.30	Y	
MW/DH-3	904.4	50	854.4	870	Bedrock	862	887	7.60	Y	B
MW/DH-4	898.6	50	848.6	855	Bedrock	856	881	7.40	Y	B
MW/DH-18	899.75	59.5	840.25	840	Unconsolidated	853	878	12.75	Y	B
MW/DH-18A	899.75	73	826.75	840	Unconsolidated	853	878	26.25	Y	
MW/DH-18B	899.8	121.5	778.3	840	Unconsolidated	853	878	74.70	Y	
MW/DH-20	910.6	45.3	865.3	880	Bedrock	869	894	3.70	Y	B
MW/DH-20A	910.6	55	855.6	880	Bedrock	869	894	13.40	Y	
MW/DH-22	899.5	53.5	846	825	Bedrock	862	887	16.00	Y	B
MW/DH-22A	899.5	70	829.5	825	Bedrock	862	887	32.50	Y	
MW/DH-22B	899.5	116	783.5	825	Bedrock	862	887	78.50	Y	

* = Located greater than 300 feet south of sector 2.

TABLE 1 (Cont.)
EXISTING GEOTECHNICAL PROGRAM INFORMATION
SOIL BORING INFORMATION
SUPERIOR SERVICES -- SEVEN MILE CREEK LANDFILL SECTOR 2
VERTICAL EXPANSION

Boring Location	Ground Surface Elevation	Boring Depth	Boring Terminus Elevation	Bedrock Elevation	Boring Terminus Formation	Required Elevation (25' below subbase)	Subbase Grade Elevation	Meets Needs		
MW/DH-23	912.2	51	861.2	890	Bedrock	883	908	21.80	Y	B
MW/DH-23A	912.2	75	837.2	890	Bedrock	883	908	45.80	Y	
MW/DH-23B	912.2	122.5	789.7	890	Bedrock	883	908	93.30	Y	C
MW/DH-23C	912.2	30	882.2	890	Bedrock	883	908	0.80	Y	
MW/DH-24	920.6	53.3	867.3	895	Bedrock	885	910	17.70	Y	B
AB-D	920	30	890	900	Unconsolidated	885	910	(5.00)		
AB-E	911	26	885	885	Unconsolidated	881	906	(4.00)		
AB-F	911	26	885	885	Bedrock	881	906	(4.00)		
AB-G	898	50	848	845	Unconsolidated	857	882	9.00		
AB-H	912	26	886	885	Bedrock	881	906	(5.00)		
AB-I	912	22	890	890	Bedrock	883	908	(7.00)		
AB-J	912	17.5	894.5	900	Bedrock	883	908	(11.50)		
AB-K	912	21	891	890	Bedrock	881	906	(10.00)		
AB-L	912	16	896	895	Bedrock	881	906	(15.00)		
AB-M	917.3	40	877.3	900	Unconsolidated	885	910	7.70	Y	B
AB-N	911	55	856	885	Unconsolidated	869	894	13.00	Y	B
AB-O	911.14	15.5	895.64	900	Bedrock	880	905	(15.64)	N	
AB-P	910.79	16.2	894.59	900	Bedrock	879	904	(15.59)	N	
MW-32	898.9	36.3	862.6	850	Bedrock	867	892	4.40	Y	B
MW-33	897.9	42.1	855.8	855	Bedrock	867	892	11.20	Y	B
MW-33A	897.9	65.3	832.6	855	Bedrock	867	892	34.40	Y	
MW-34	895.3	44.4	850.9	860	Bedrock	857	882	6.10	Y	B
MW-35	898.3	54.8	843.5	850	Bedrock	853	878	9.50	Y	B
MW-35A	898.3	82.1	816.2	850	Bedrock	853	878	36.80	Y	
MW-36	899.9	58.8	841.1	855	Bedrock	851	876	9.90	Y	B

NEEDS
24 Borings (B)
1 Core (C)

EXISTING INFORMATION
30 Borings
1 Core

* = Located greater than 300 feet south of Sector 2.

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2003 Soil Boring Information

(From 2014 FR)

TABLE 3
ONYX SEVEN MILE CREEK LANDFILL--SECTOR 2 HORIZONTAL AND VERTICAL EXPANSION
EXISTING GEOTECHNICAL PROGRAM /SOIL BORING INFORMATION

Boring Location	Ground Surface Elevation (ft. m.s.l.)	Boring Depth (feet)	Boring Terminus Elevation (ft. m.s.l.)	Residual Elevation (ft. m.s.l.)	Boring Terminus Formation	Required Elevation (25' below subbase) (ft. m.s.l.)	Subbase Grade Elevation (ft. m.s.l.)
North Expansion Area							
TB-16	907.10	26.00	881.00	NE	Alluvium	870.00	895.00
TB-38	912.60	50.20	862.40	872.60	Residual	885.00	910.00
TB-39	914.00	18.00	896.00	899.00	Residual	890.00	915.00
TB-40	913.00	46.50	866.50	873.00	Residual	862.00	887.00
TB-61	911.10	56.00	855.10	NE	Alluvium	861.00	886.00
TB-62	915.40	56.00	859.40	885.40	Residual	863.00	888.00
TB-63	922.80	33.50	889.30	912.80	Residual	874.00	899.00
TB-64	919.20	55.40	863.80	889.20	Residual	867.00	892.00
TB-65	917.20	60.70	856.50	887.20	Residual	863.00	888.00
TB-66	910.30	53.00	857.30	866.30	Residual	861.00	886.00
TB-67	910.20	56.00	854.20	866.20	Residual	863.00	888.00
TB-68	920.00	60.50	859.50	870.00	Residual	865.00	890.00
TB-69	925.00	61.00	864.00	870.00	Residual	881.00	906.00
TB-70	919.40	56.00	863.40	870.40	Residual	865.00	890.00
TB-71	914.80	41.00	873.80	NE	Alluvium	864.00	889.00
TB-72	912.60	53.00	859.60	861.60	Residual	873.00	898.00
TB-73	914.30	38.00	876.30	NE	Alluvium	867.00	892.00
DH-1	920.30	55.00	865.30	880.00	Residual	868.00	893.00
DH-2	908.90	55.00	853.20	864.90	Residual	872.00	897.00
DH-2A	908.20	71.50	836.70	864.90	Residual	872.00	897.00
DH-24	920.60	53.00	867.60	900.60	Residual	878.00	903.00
DH-39	924.73	52.00	872.70	NE	Alluvium	869.00	894.00
DH-39A	924.72	75.00	849.72	853.30	Residual	869.00	894.00
DH-40	924.14	59.00	865.14	885.10	Residual	867.00	892.00
DH-41	906.65	52.00	854.65	861.65	Residual	861.00	886.00
DH-43	907.58	47.00	860.58	NE	Alluvium	863.00	888.00
DH-43A	907.58	70.00	837.58	NE	Alluvium	863.00	888.00
DH-44	916.70	48.00	868.70	NE	Alluvium	865.00	890.00
DH-44A	916.56	71.96	844.60	866.56	Residual	865.00	890.00
DH-45	909.91	51.00	858.91	NE	Alluvium	865.00	890.00
Shop Well	910.20	84.00	826.20	NE	Alluvium	884.00	909.00
East Expansion Area							
TP-4	911.00	18.00	893.00	893.50	Residual	887.00	912.00
AB-O	911.00	15.50	895.60	896.10	Residual	885.00	910.00
TB-14	907.10	27.10	880.10	880.10	Residual	868.00	893.00
TB-15	910.30	31.00	879.30	NE	Alluvium	884.00	909.00
TB-16	907.10	26.10	881.00	NE	Alluvium	870.00	895.00
TB-17	908.00	24.00	884.00	NE	Alluvium	873.00	898.00
TB-19	913.20	15.00	898.20	895.00	Residual	889.00	914.00
TB-29	907.60	26.00	881.60	NE	Alluvium	884.00	909.00
TB-32	911.00	25.60	885.40	896.00	Residual	885.00	910.00
TB-37	911.20	35.40	875.80	896.20	Residual	888.00	913.00
TB-42	910.30	31.50	878.80	878.80	Residual	866.00	891.00
TB-43	906.40	25.20	881.20	881.90	Residual	868.00	893.00
TB-43A	906.40	27.00	879.40	880.40	Residual	868.00	893.00
TB-50	895.10	35.00	860.10	874.10	Residual	872.00	897.00
TB-57	906.25	40.60	865.65	875.25	Residual	872.00	897.00
TB-57A	905.98	32.00	873.98	873.98	Residual	872.00	897.00
TB-58	901.00	51.50	849.50	882.00	Residual	905.00	930.00
TB-63	922.80	33.50	889.30	912.80	Residual	874.00	899.00
TB-74	910.00	47.00	863.00	889.00	Residual	873.00	898.00
TB-75	915.50	49.00	866.50	901.50	Residual	889.00	914.00
TB-76	919.20	50.50	868.70	908.70	Residual	897.00	922.00
TB-77	918.30	50.50	867.80	898.30	Residual	885.00	910.00
TB-78	918.80	55.00	863.80	892.30	Residual	881.00	906.00
TB-79	921.80	52.00	869.80	896.80	Residual	887.00	912.00
TB-80	926.30	56.00	870.30	897.30	Residual	889.00	914.00
DH-24	920.60	53.30	867.30	900.60	Residual	905.00	930.00
DH-20	910.60	45.30	865.30	885.60	Residual	871.00	896.00
DH-20A	910.60	55.00	855.60	885.60	Residual	871.00	896.00
DH-23	912.20	51.00	861.23	892.20	Residual	888.00	913.00
DH-23A	912.20	75.00	837.20	892.20	Residual	888.00	913.00
DH-23B	912.20	122.50	789.70	892.20	Residual	888.00	913.00
DH-23C	912.20	30.00	882.20	892.20	Residual	888.00	913.00
DH-32	898.90	41.50	857.40	NE	Alluvium	872.00	897.00
DH-46	933.34	41.00	892.34	919.34	Residual	889.00	914.00
DH-46A	933.25	63.95	869.30	919.34	Residual	889.00	914.00
DH-47	923.18	24.50	898.68	908.68	Residual	887.00	912.00
DH-47A	922.91	48.00	874.91	908.68	Residual	887.00	912.00
DH-48	914.21	49.50	864.71	885.21	Residual	897.00	922.00
DH-49	909.97	35.80	874.20	892.97	Residual	873.00	898.00
DH-49A	909.97	61.00	848.97	892.97	Residual	873.00	898.00
DH-50	907.28	42.00	865.28	NE	Alluvium	876.00	901.00

* = Located greater than 300 feet south of Sector 2.
NE- Not Encountered

End of Table 3

CITY OF EAU CLAIRE
DEPARTMENT OF PUBLIC WORKS

JOHN QUAST PROPERTY - TOWN OF SEYMOUR

DESCRIPTION OF SOIL SAMPLES

Location	Depth	Description
A	Surface to 3'	Medium Sand
A	3' to 12'	Clayey Sand
A	12' to 18'	Medium to Coarse Sand
A	18' to 24'	Fine to Medium Sand
A	24' to 30'	Fine to Medium Sand
		No Rock
B	Top Soil	Sandy Loam
B	2'	Medium Sand
B	6'	Sandy Clay
B	10' to 24'	Fine to Medium Sand (with silt balls)
B	25'	Fine to Medium Sand
B	30'	Fine to Medium Sand (with silt balls)
		No Rock
C	Top Soil	Sandy Loam
C	1 1/2'	Fine to Medium Sand (some organic)
C	10'	Sandy Silt
C	12' to 15'	Fine Sand (some small silt balls)
C	15' to 25'	Fine Sand (some small silt balls)
C	23' 1' thick	Wet Silt
C	30'	Fine to Medium Sand
		No Rock
D	5'	Sandy Silt
D	5' to 10'	Silty Sand (silt balls)
D	10'	Silty Sand
D	10' to 15'	Sand and Clay Balls Mixture
D	15' to 20'	Clayey Silt
D	20' to 25'	Clayey Silt
D	30'	Clayey Silt
		No Rock
E	3'	Medium Sand
E	3' to 10'	Sand with silt balls
E	15'	Sandy Silt
E	15' to 20'	Sand with silt balls
E	20' to 25'	Fine Sand
E	25' to 26'	Silty Sand
	26'	Rock

FROM CITY OF EAU CLAIRE
REPORT 1975

Location	Depth	Description
F	3' to 5'	Medium Sand
F	5' to 10'	Sand with silt balls
F	10' to 15'	Sand with silt balls
F	15' to 20'	Sand with trace silt balls
F	20' to 25'	Fine to Medium Sand
F	25' to 26'	Sandy Silt
	26'	Rock
G	3' to 5'	Loamy Sand
G	5' to 10'	Medium Sand
G	10' to 20'	Fine to Medium Sand
G	20' to 35'	Fine to Medium Sand
G	35' to 40'	Fine Sand
G	40' to 45'	Fine Sand - very moist
G	45' to 50'	Silty Sand
		No Rock
H	26'	Rock
I	22'	Rock
J	0' to 15'	Dry Sand
J	15' to 17'6"	Wet Sand
J	17'6"	Rock
K	15'	Wet Sand
K	21'	Rock
L	10'	Wet Sand
L	16'	Rock

FROM CITY OF EAU CLAIRE
REPORT 1975

TABLE 3

BACKHOE TEST PITS

TP#	Approx. Location N-S	Approx. Location E-W	Approx. Surface Elevation	Visual Log Depth	Visual Log Description and Comments
1	20+60N	8+80E	906	0-19'	Sand
				19-20'	Silt and/or clay
				20-21'	Gravel and boulders
				21-22'	Sand - no bedrock
					Dry
2	24+00N	13+40E	911	0-10'	Sand
				10-12'	Silt and/or clay
				12-17'	Highly weathered sandstone (easily ripped with backhoe)
					No water
3	24+00N	14+25E	911	0-11'	Sand
				11-15'	Silty and/or clayey sand
				15'	Weathered sandstone
					Hole was dry when excavated. Noted slight water above silt seam at 12' after 3 hours.
4	21+50N	15+80E	911	0-17'	Sand
				17-18'	Silt and/or clay
				18'	Sandstone
					No water
5	22+50N	15+20E	912	0-13'	Sand
				13-14'	Silt and/or clay wet
					Hit perched water at 13'
6	22+00N	15+88E	911	0-15'	Sand
				15-16'	Silt and/or clay
				16'	Weathered sandstone
					Noted slight water draining into hole at 13' deep

Sector 2 Feasibility
July 1986

BORING NO. AB-M

SURFACE ELEV. 917.3 FT.

AYRES ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs — 2" O.D. —FALLING 30") 6"	6"	per ft.	SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICATN	POCKET PEN READING (T.S.F)	GEOLOGY	DEPTH	ELEV.
					Topsoil 0.4'				Alluvium		Flight Auger
					Sand, Rd-Brn., M-F, w/so silt, trc. gravel						
					Sand, yel-brn., w/so silt, trace gravel					10	
										20	
										30	
										40	
					E.O.B. 40.0'					50	
										60	

— KEY —

C = ROCK CORE
A = AUGER SAMPLE
X = SPLIT SPOON
S = SHELBY TUBE
=
=

PROJECT Seven Mile L.F.
DATE(S) DRILLLED 4-11-85
LOCATION 27+61 N, 17+5 BE
GROUNDWATER: ___ FT. BELOW G.S. AT ELEV. OF ___
DRILLERS: M.P. for W.T.D. JOB NO. 4731.00
DATE ___

BORING NO. AB- N

SURFACE ELEV. 911.0 FT.

AYRES ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs – 2" O.D. – FALLING 30") 6"	6"	per ft.	SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICAT'N	POCKET PEN. READING (T.S.F.)	GEOLOGY	DEPTH	ELEV.
					Free Drilling - Rock Search				Alluvium	10, 20, 30, 40, 50	Flight Auger
					E.O.B. 55.0'					60	

— KEY —

C = ROCK CORE
A = AUGER SAMPLE
X = SPLIT SPOON
S = SHELBY TUBE
=
=

PROJECT Seven Mile L.F
DATE(S) DRILLLED 4-17-85
LOCATION 22+99 N, 12+10 E
GROUNDWATER: ___ FT. BELOW G.S. AT ELEV. OF ___
DRILLERS: T.K for W.T.D JOB NO. 4731.00
DATE ___

BORING NO. AB-D

SURFACE ELEV. 911.14 FT.

AYRES ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs – 2" O.D. – FALLING 30") 6"	6"	per ft.	SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICAT'N	POCKET PEN. READING (T.S.F.)	GEOLOGY	DEPTH	ELEV.
					Sand, Dk. Brn. M-F, ~/a some silt	M	SP				HSA
1	5 22	11	33 R 1.0	X	Sand, Rd. Brn. M-F, ~/tr. silt	M	SP			10	5
2	4 12	8	20 R 1.2	X	Sand, Lt. Brn, M-F, ~/tr. silt silt seam in Top 3" (ML)	M	SP			20	10
3	100	0.4	100 R 0.4	X	Sandstone, Lt. Brn. M-F E.O.B @ 15.5' Cave in to 13.8'	W	SP			30	15
										40	20
										50	
										60	

—KEY—

C = ROCK CORE
A = AUGER SAMPLE
X = SPLIT SPOON
S = SHELBY TUBE
=
=

PROJECT E.C. County, Seven Mile L.F.
DATE(S) DRILLLED 2-25-86
LOCATION 21+00 N, 16+50E
GROUNDWATER: 14.0 FT. BELOW G.S. AT ELEV. OF 897.14 (Perched)
DRILLERS: L.E. for JOB NO.
W.T.D DATE

BORING NO. AB-P

SURFACE ELEV. 910.79 FT.

AYRES ASSOCIATES

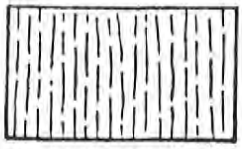
SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs – 2" O.D. – FALLING 30") 6"	6"	per ft.	SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICAT'N	POCKET PEN. READING (T.S.F.)	GEOLOGY	DEPTH	ELEV.
					Topsoil 0.8' - Sand - Drk Brn. F-F						
1	4 12	8	20 R 10	X	Sand, Brn-Rd. M-F, w/trc. silt	M	SP			10	5
2	6 13	9	22 R 10	X	Sand, Brn, F-M w/a some silt	M	SP			20	10
3	100	0.	100 R 1.2	X	W.S.S. yellow-Rd. M-F					30	15
					EOB 16.2'					40	
					NO H_2O					50	
										60	

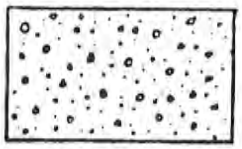
— KEY —

C = ROCK CORE
A = AUGER SAMPLE
X = SPLIT SPOON
S = SHELBY TUBE
=
=

PROJECT
DATE(S) DRILLLED 2-25
LOCATION 20+00 N, 16+50E
GROUNDWATER: NE FT. BELOW G.S. AT ELEV. OF
DRILLERS: JOB NO.
DATE

SYMBOLS ON BORING PROFILES


TOPSOIL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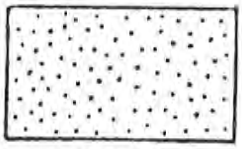
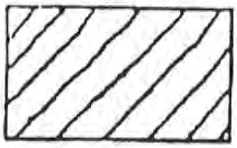
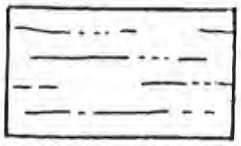

SAND


SILT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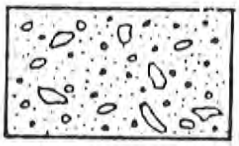
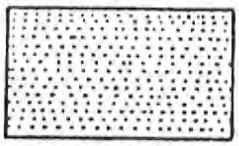
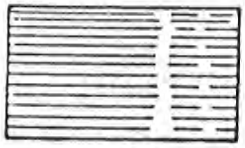
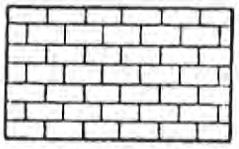
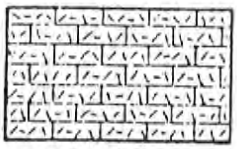

CONGLOMERATE

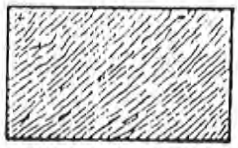
a CLAY b


BEDDED SANDSTONE


a SHALE b


MASSIVELY BEDDED LIMESTONE


CRYSTALLINE LIMESTONE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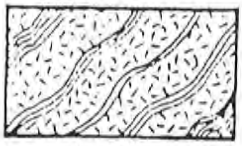
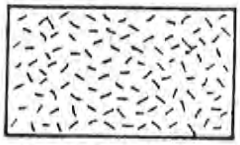

GNEISS


GRANITE

CLAY: a. FLOCULATED
b. DISPERSED

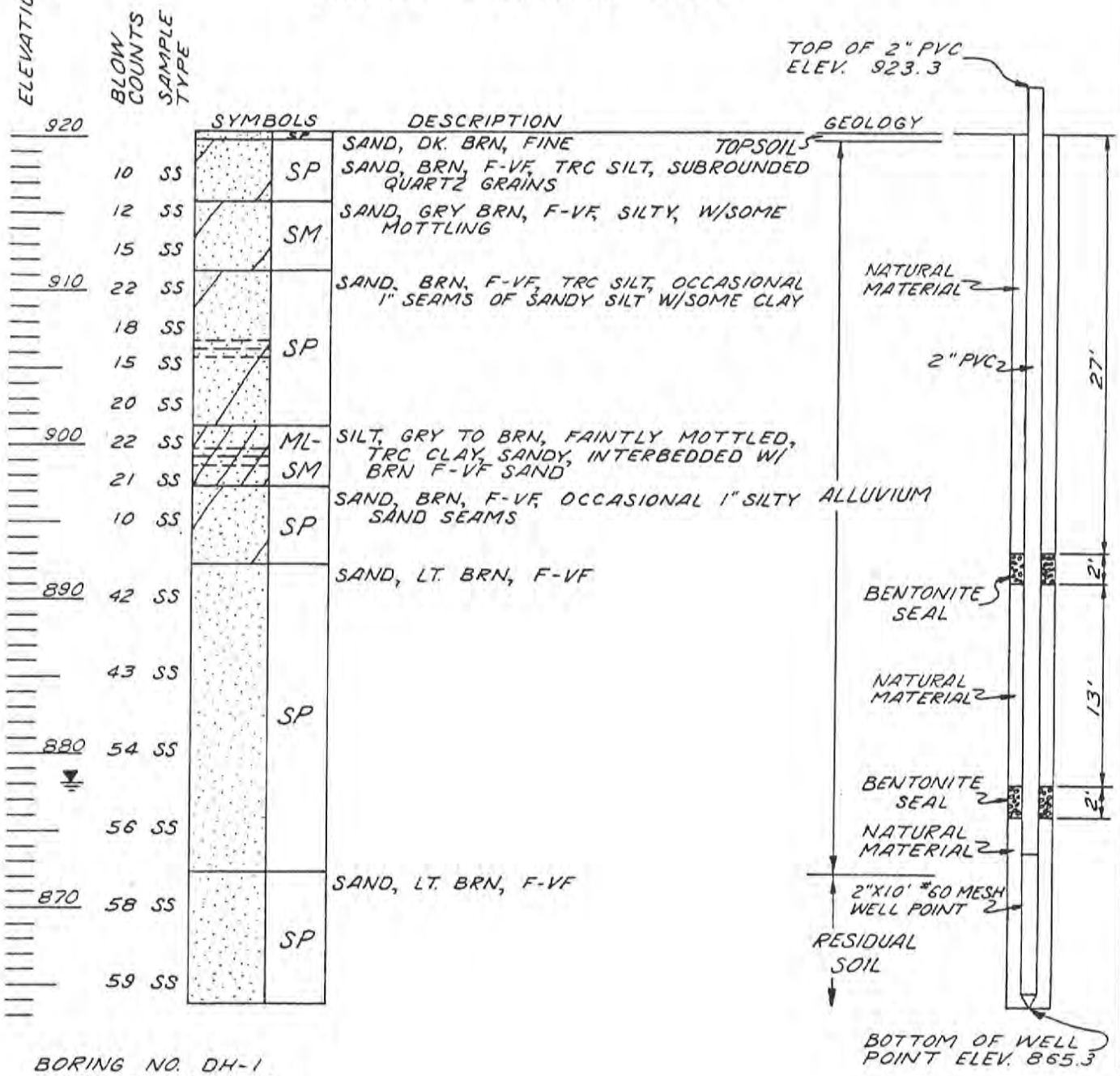
SHALE: a. CEMENTED
b. FRIABLE

N: STANDARD PENTRATION TEST, OR PENETRATION RESISTANCE. NUMBER HAMMER BLOWS TO DRIVE THE STANDARD SPLIT SPOON SAMPLER ONE FOOT, AFTER A SET OF ½'. HAMMER WEIGHT = 140 LBS. DROP LENGTH = 30" ASTM D 1586.

▼: THIS SYMBOL INDICATES THE WATER TABLE, OR THE ZONE OF SATURATION, OR THE PIEZOMETRIC LEVEL, AT THE TIME THE BORING WAS DRILLED AND WATER LEVEL MEASUREMENTS WERE TAKEN.

BORING NO. DH-1

SURFACE ELEVATION 920.3



BORING NO. DH-1
STARTED 1-21-76
COMPLETED 1-21-76
3 1/4" HSA TO 55.0'

LEGEND

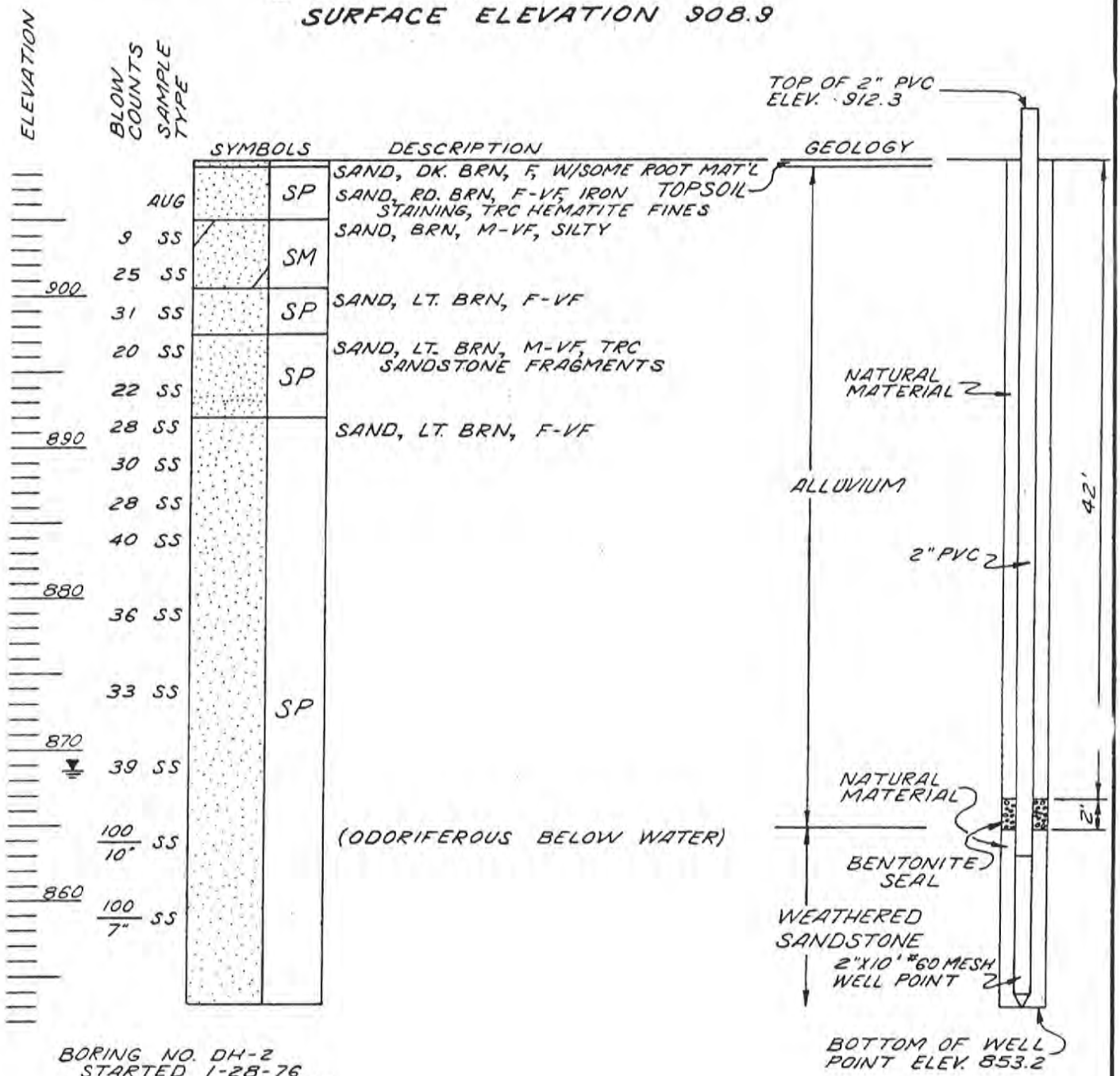
SS STEEL SPLIT SPOON SAMPLER

▼ WATER LEVEL

SCALE: 1" = 10'-0"

GRAPHICAL LOG OF BORING
PROPOSED EAU CLAIRE LANDFILL
TOWN OF SEYMOUR, WISCONSIN
DATE: 1-30-76
JOB NO. H 01-0050-175

BORING NO. DH-2
SURFACE ELEVATION 908.9



BORING NO. DH-2
STARTED 1-28-76
COMPLETED 1-28-76
3 1/4" HSA TO 55'

LEGEND

AUG AUGER
SS STEEL SPLIT SPOON SAMPLER
▼ WATER LEVEL

SCALE: 1"=10'-0"

GRAPHICAL LOG OF BORING
PROPOSED EAU CLAIRE LANDFILL
TOWN OF SEYMOUR, WISCONSIN
DATE: 1-30-76
JOB NO. H 01-0050-175

BORING NO. DH-2A

SURFACE ELEV. 908.2 FT.

AYRES ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs – 2" O.D. – FALLING 30") 6"	6"	per ft.	SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICAT'N	POCKET PEN. READING (T.S.F.)	GEOLOGY	DEPTH	~~ELEV.~~
					Drilling Method: Tricone & Mud 10' of 4" Casing Used Free Drilling				Alluvium	10 20 30 40	Tricone & Mud
1	21 27	29	56 R 12.0	X	Sand, Lt. Brn., M-F, Trc. Silt	W	SP	-		50 55	
2	24 40	29	69 R 8.0	X	Sand, Lt. Brn., C-F, W/Small Sandstone Gravel, Trc. Silt	W	SP	-		60	
3	21 33	31	64 R 8.0	X	As Above, M-F,	W	SP	-		65	
4	11 21	17	38 R 10.0	X	Sand, Lt. Brn., M-C,	W	SP	-			

—KEY—

C = ROCK CORE
A = AUGER SAMPLE
X = SPLIT SPOON
S = SHELBY TUBE
=
=

PROJECT Seven Mile Land Fill
DATE(S) DRILLLED 4-22-85
LOCATION 28+71 N, 9+36E
GROUNDWATER: 38.6 FT. BELOW G.S. AT ELEV. OF 869.4
DRILLERS: KT JOB NO. 4731.00
DATE

BORING NO. DH-2A

SURFACE ELEV. 908.2 FT.

AYRES ASSOCIATES

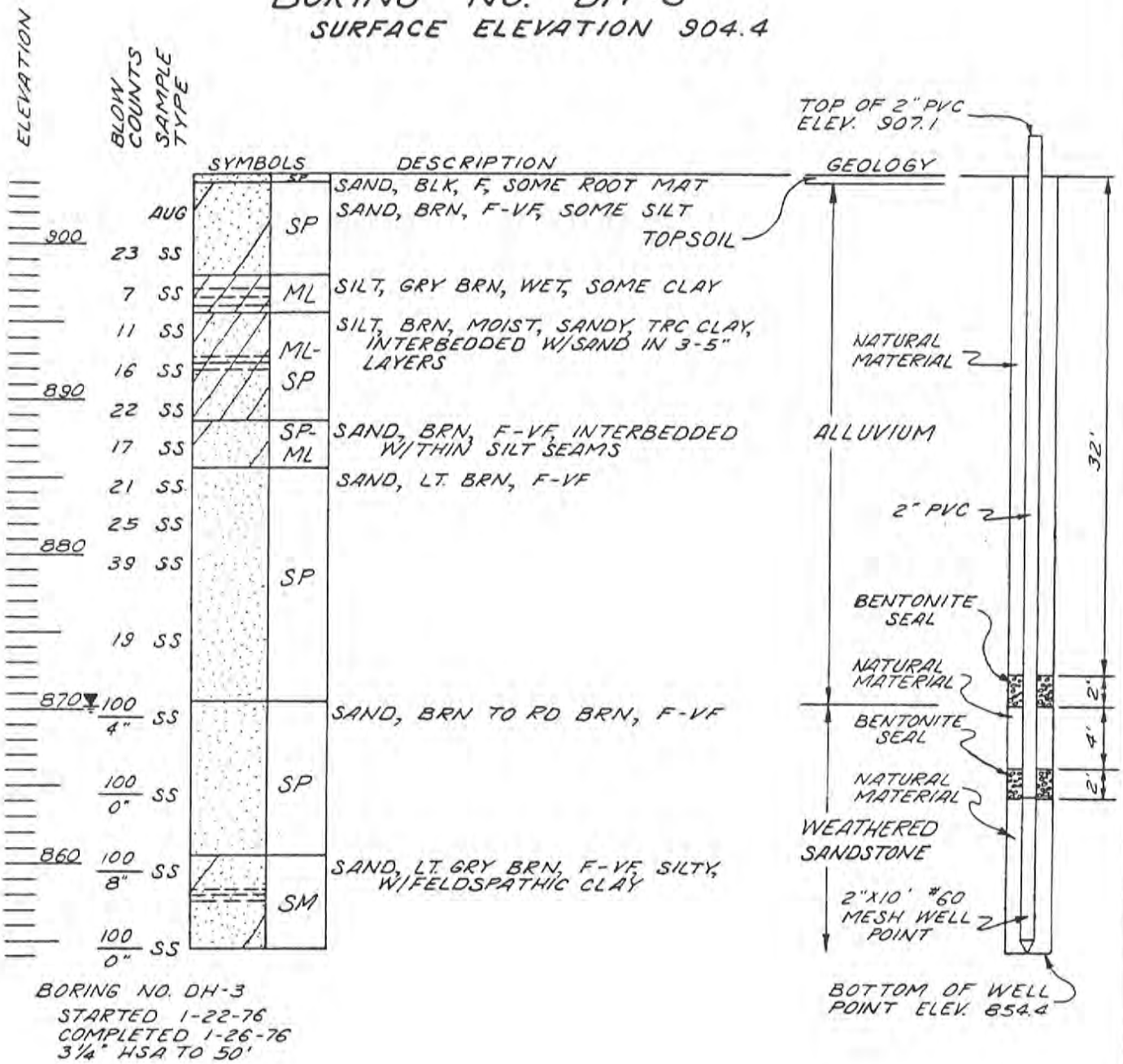
SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs – 2" O.D. –FALLING 30") 6"	6"	per ft.	SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFCAT'N	POCKET PEN. READING (T.S.F)	GEOLOGY	DEPTH	ELEV.
5	22 29	26	55 R 8.0"	X	Sand, Lt. Brn., M-F.	W	SP	–	Alluvium	70	↓
					EOB @ 71.5'					75	
					Set well @ 70.0'						
										10 80	
										20 90	
										30 100	
										40 110	
										50 120	
										60 130	

—KEY—

C = ROCK CORE
A = AUGER SAMPLE
X = SPLIT SPOON
S = SHELBY TUBE
=
=

PROJECT Seven Mile L.F.
DATE(S) DRILLLED 4-22-85
LOCATION 28+71 N, 9+36 E
GROUNDWATER: ___ FT. BELOW G.S. AT ELEV. OF ___
DRILLERS: KT JOB NO. 4731.00
DATE 4-22-85

BORING NO. DH-3
SURFACE ELEVATION 904.4



BORING NO. DH-3
STARTED 1-22-76
COMPLETED 1-26-76
3¼" HSA TO 50'

LEGEND

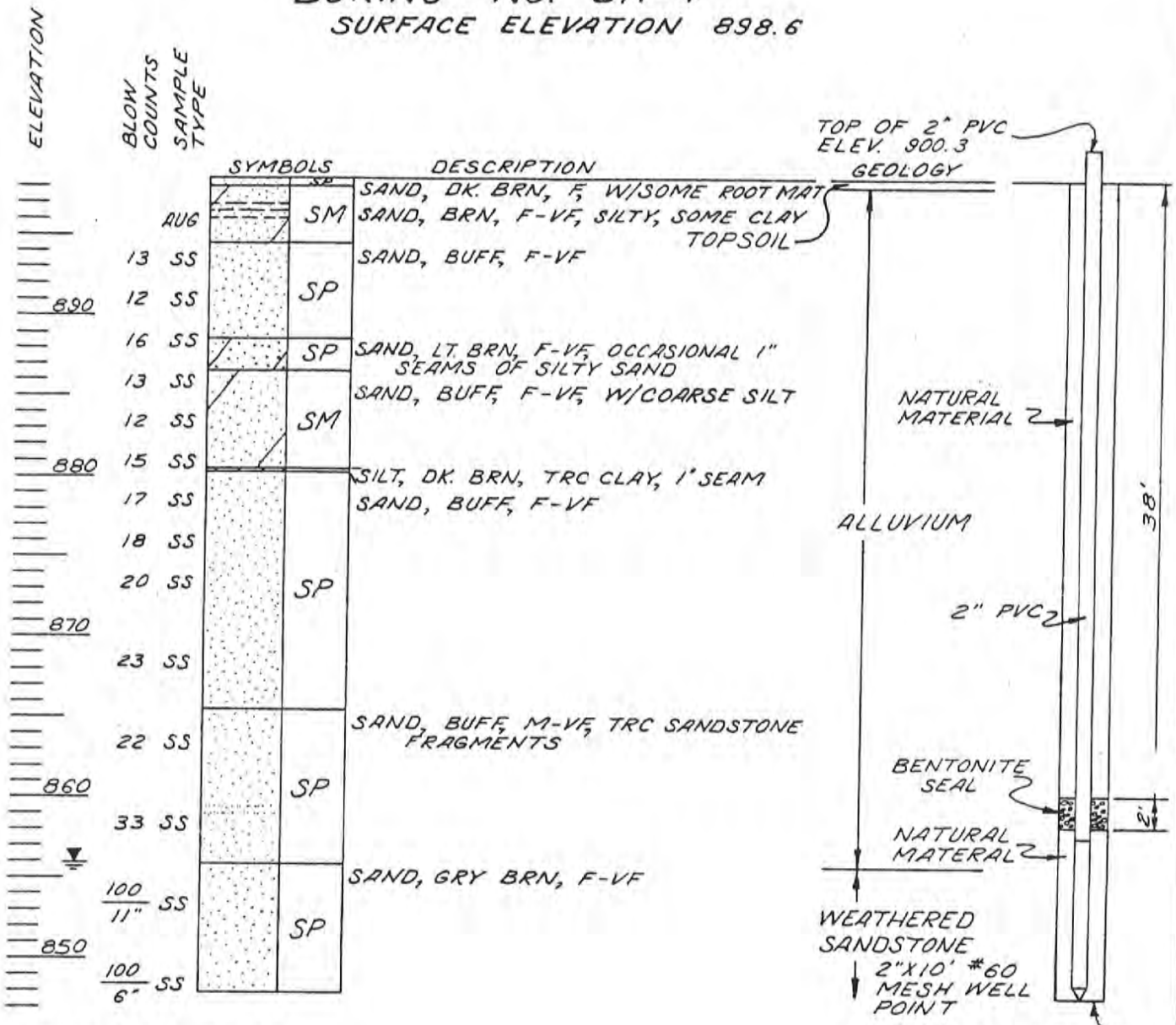
AUG AUGER
SS STEEL SPLIT SPOON SAMPLER
▼ WATER LEVEL

SCALE: 1" = 10'-0"

GRAPHICAL LOG OF BORING
PROPOSED EAU CLAIRE LANDFILL
TOWN OF SEYMOUR, WISCONSIN
DATE: 2-02-76
JOB NO. H 01-0050-175

BORING NO. DH-4

SURFACE ELEVATION 898.6



BORING NO. DH-4
STARTED 1-26-76
COMPLETED 1-27-76
3 1/4" HSA TO 50'

LEGEND

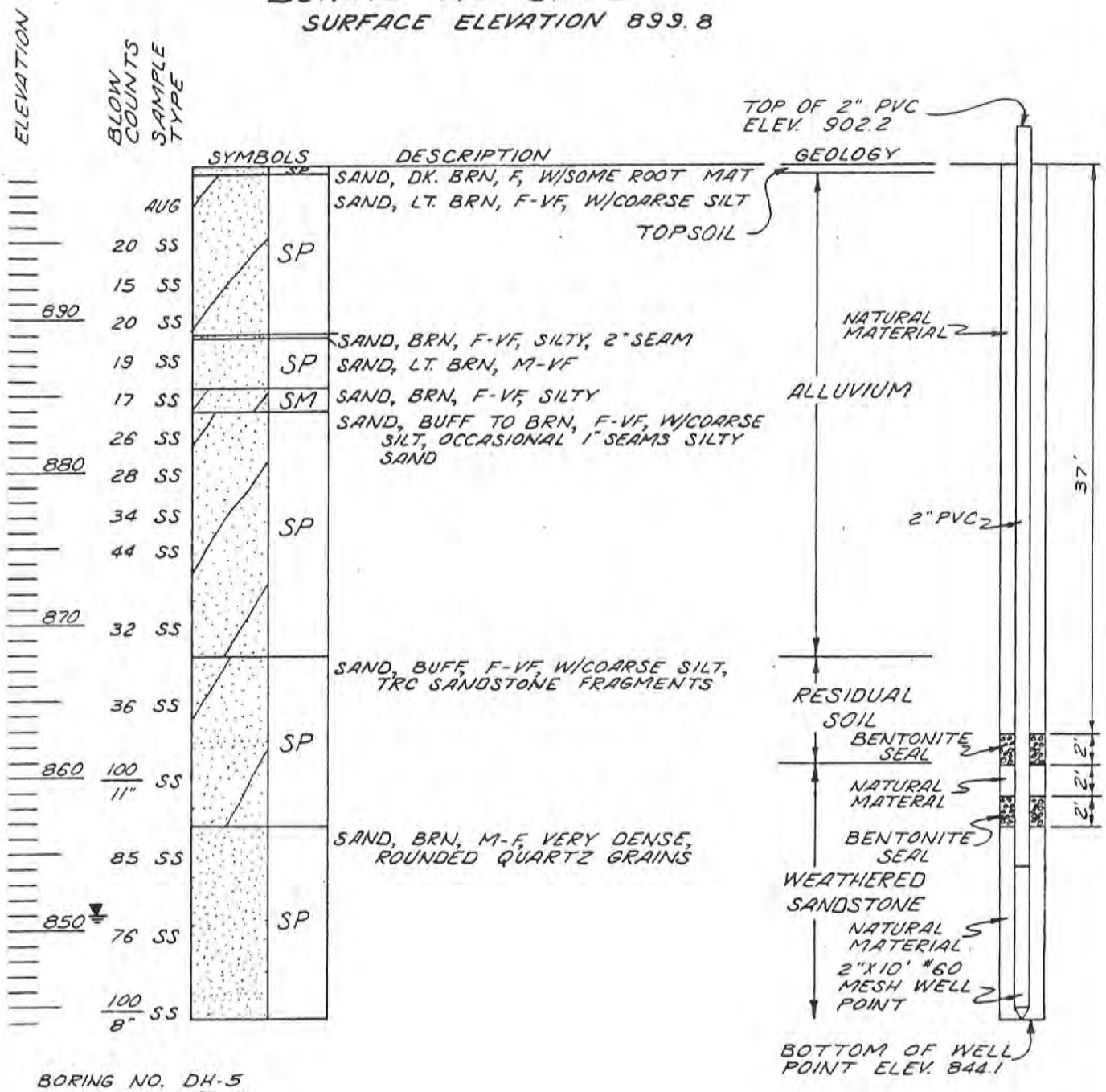
AUG AUGER
SS STEEL SPLIT SPOON SAMPLERS
▼ WATER LEVEL

SCALE: 1" = 10'-0"

GRAPHICAL LOG OF BORING
PROPOSED EAU CLAIRE LANDFILL
TOWN OF SEYMOUR, WISCONSIN
DATE: 2-02-76
JOB NO. H 01-0050-175

BORING NO. DH-5

SURFACE ELEVATION 899.8



BORING NO. DH-5
STARTED 1-27-76
COMPLETED 1-28-76
3¼" HSA TO 55'

LEGEND

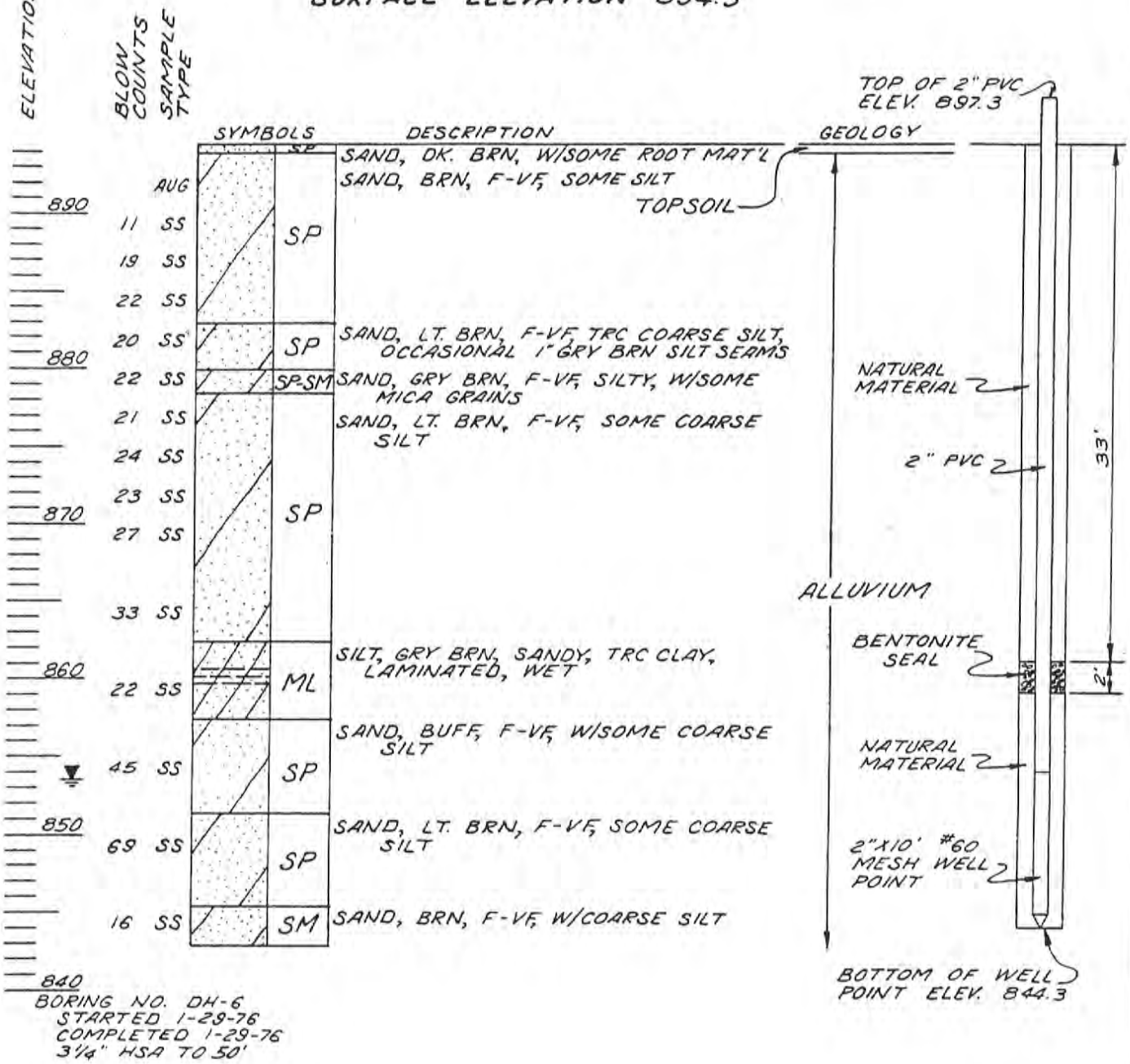
AUG AUGER
SS STEEL SPLIT SPOON SAMPLER
▼ WATER LEVEL

SCALE: 1" = 10'-0"

GRAPHICAL LOG OF BORING
PROPOSED EAU CLAIRE LANDFILL
TOWN OF SEYMOUR, WISCONSIN
DATE: 2-02-76
JOB NO. H 01-0050-175

BORING NO. DH-6

SURFACE ELEVATION 894.3



BORING NO. DH-6
STARTED 1-29-76
COMPLETED 1-29-76
3¼" HSA TO 50'

LEGEND

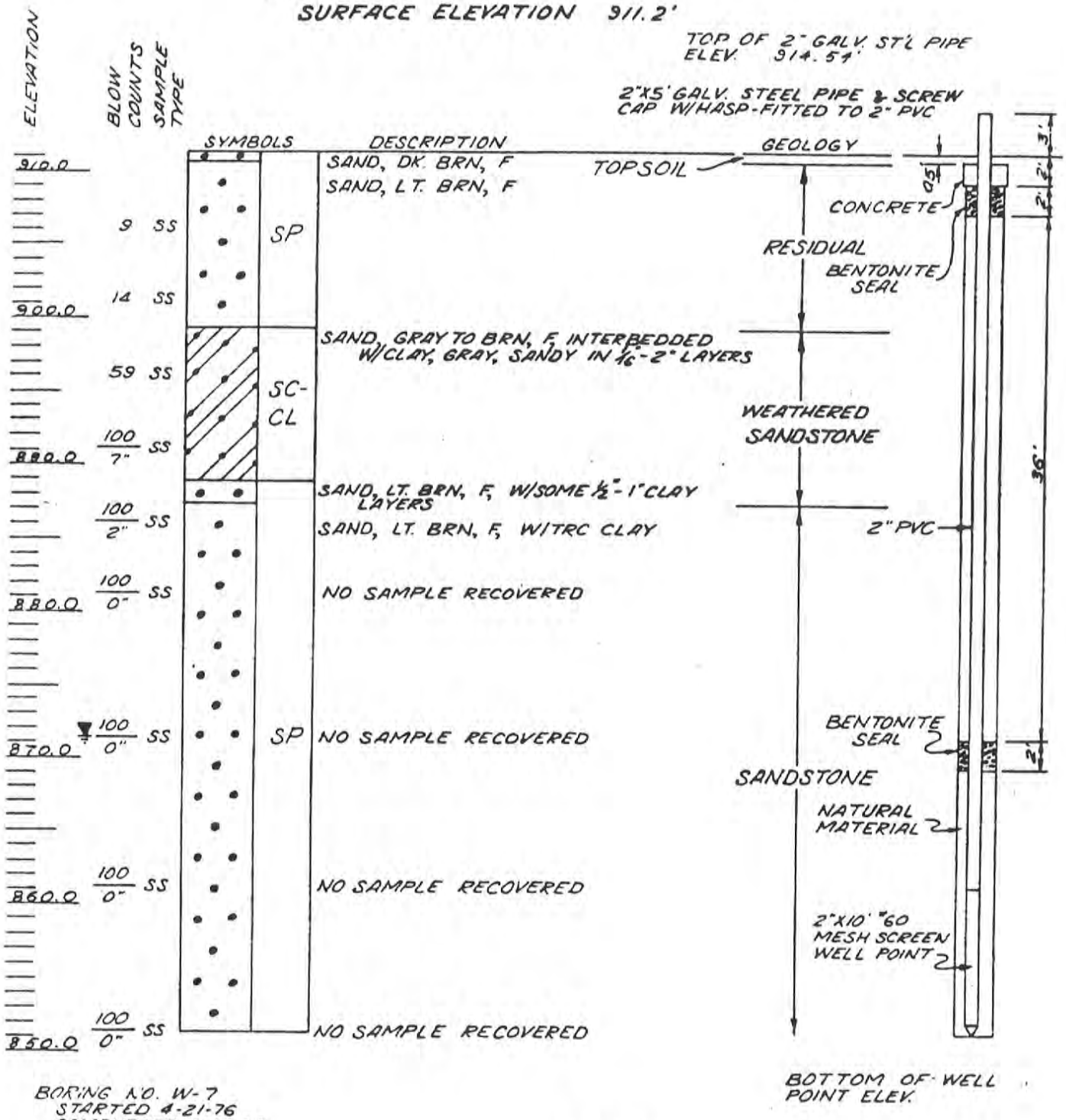
AUG AUGER
SS STEEL SPLIT SPOON SAMPLER
▼ WATER LEVEL

SCALE: 1" = 10'-0"

GRAPHICAL LOG OF BORING
PROPOSED EAU CLAIRE LANDFILL
TOWN OF SEYMOUR, WISCONSIN
DATE: 2-03-76
JOB NO. H 01-0050-175

BORING NO. DH-7

SURFACE ELEVATION 911.2'



BORING NO. W-7
STARTED 4-21-76
COMPLETED 4-21-76
3 1/4" HSA TO 60'

DRILLERS:
J. STRIGEL
L. KUBICEK

WATER LEVEL TAKEN ON 4-21-76

SCALE: 1" = 10.0'

LEGEND

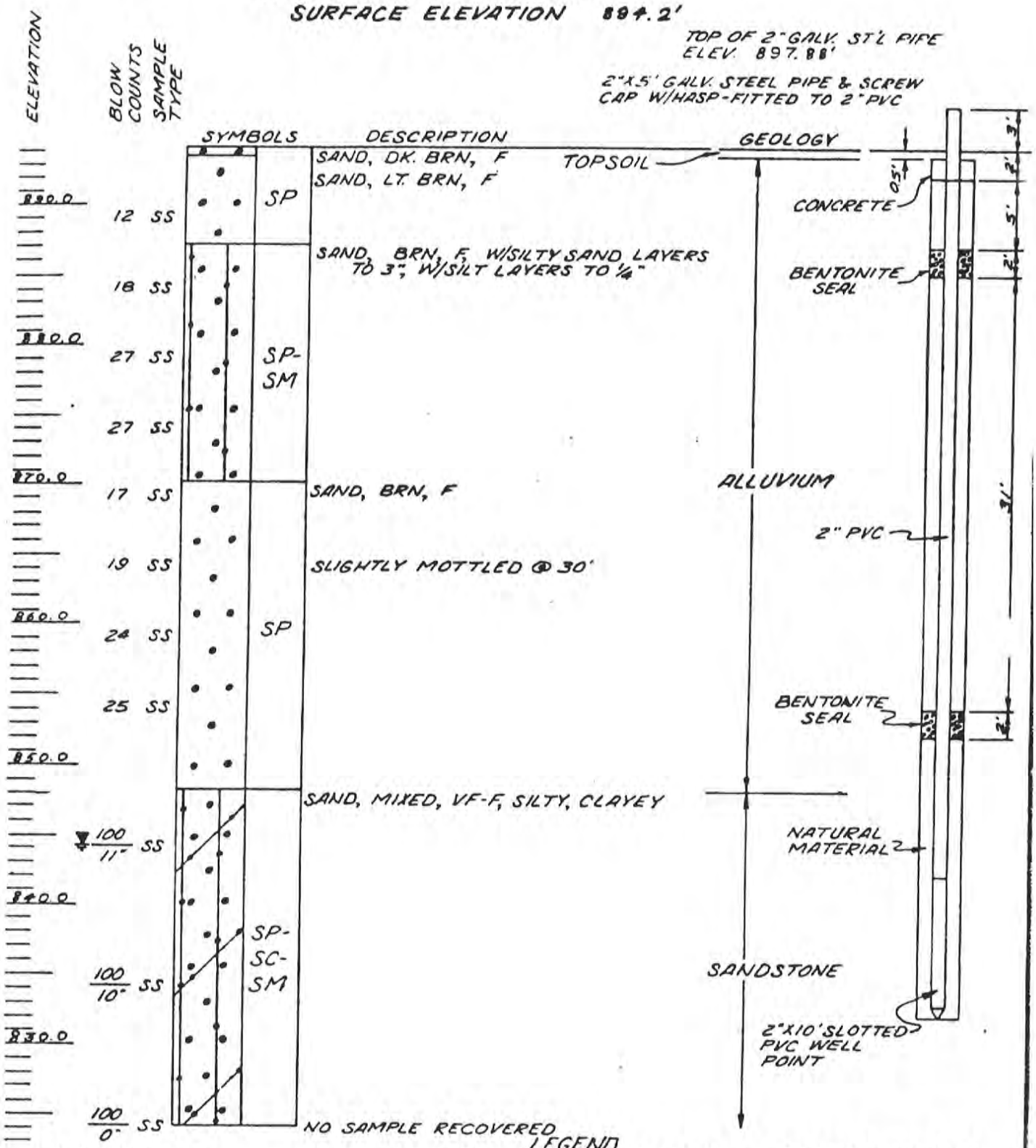
SS STEEL SPLIT SPOON SAMPLER

▽ WATER LEVEL

GRAPHICAL LOG OF BORING
PROPOSED EAU CLAIRE LANDFILL
TOWN OF SEYMOUR, WISCONSIN
DATE: 5-04-76
JOB NO. H 01-0050-181

BORING NO. DH-8

SURFACE ELEVATION 894.2'



BOTTOM OF WELL POINT ELEV.

BORING NO. W-8
STARTED 4-20-76
COMPLETE 4-20-76
3 1/4" HSA TO 70'

DRILLERS:
J. STRIGEL
L. KUBICEK

WATER LEVEL TAKEN ON 4-20-76

SCALE: 1" = 10.0'

LEGEND

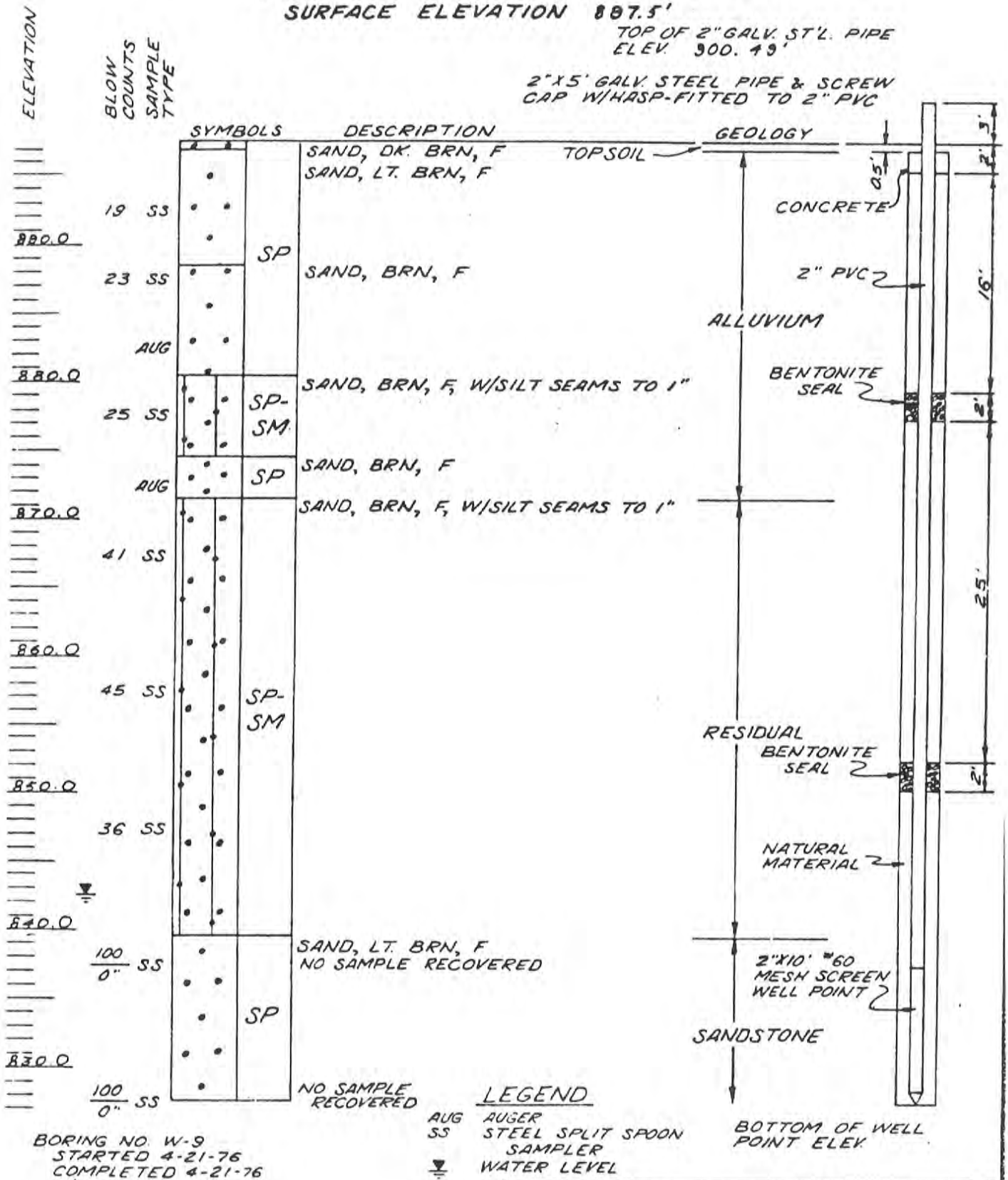
SS STEEL SPLIT SPOON SAMPLER

▼ WATER LEVEL

GRAPHICAL LOG OF BORING
PROPOSED EAU CLAIRE LANDFILL
TOWN OF SEYMOUR, WISCONSIN
DATE: 5-05-76
JOB NO. H 01-0050-181

BORING NO. DH-9

SURFACE ELEVATION 887.5'



BORING NO. W-9
STARTED 4-21-76
COMPLETED 4-21-76
3¼" HSA TO 70'

DRILLERS:
J. STRIGEL
L. KUBICEK

WATER LEVEL TAKEN ON 4-21-76

SCALE: 1" = 10.0'

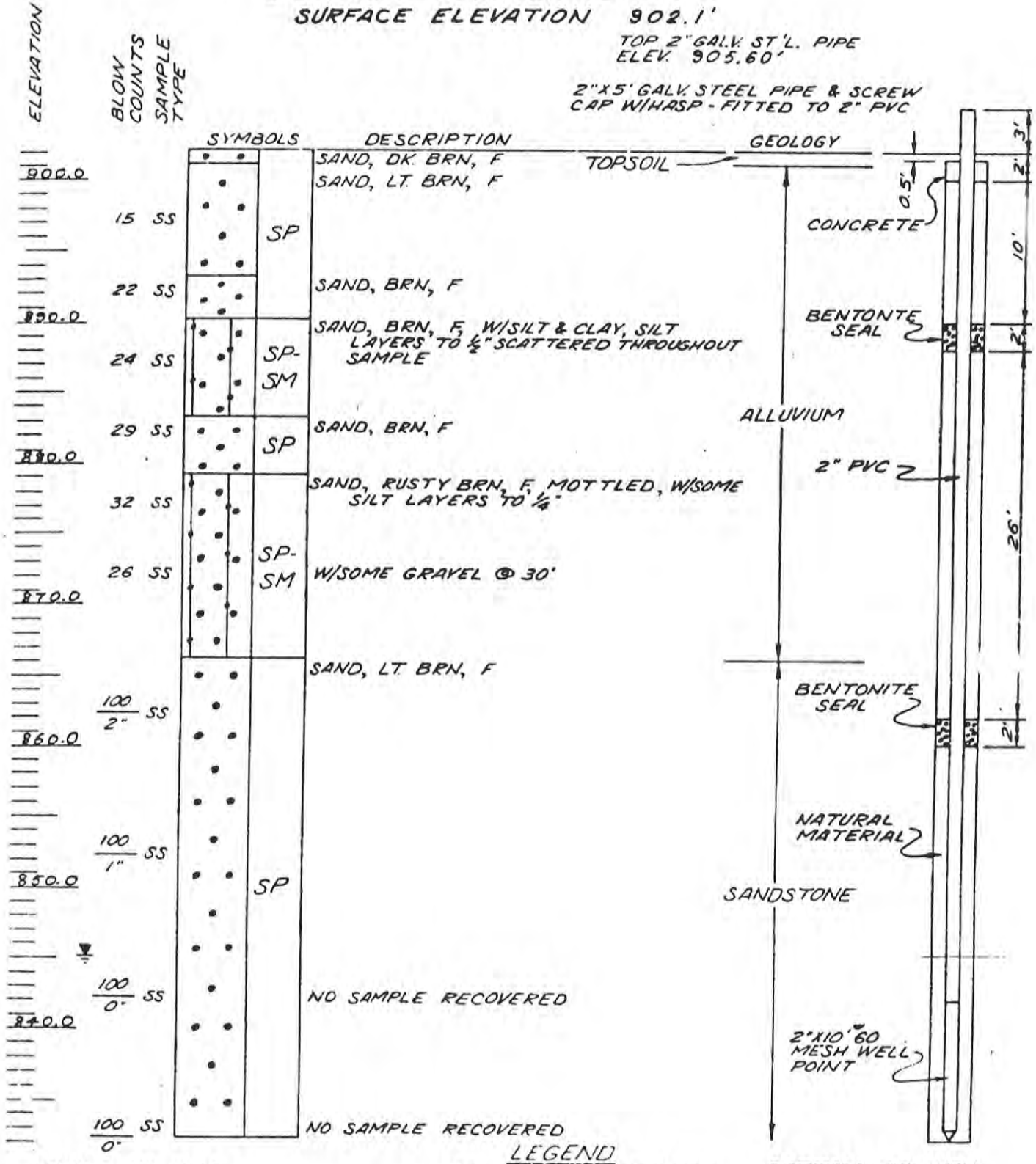
LEGEND

AUG AUGER
SS STEEL SPLIT SPOON SAMPLER
▼ WATER LEVEL

GRAPHICAL LOG OF BORING
PROPOSED EAU CLAIRE LANDFILL
TOWN OF SEYMOUR, WISCONSIN
DATE: 5-05-76
JOB NO. H 01-0050-181

BORING NO. DH-10

SURFACE ELEVATION 902.1'



BORING NO. W-10
STARTED 4-19-76
COMPLETED 4-20-76
3¼" HSA TO 70'

DRILLERS:
J. STRIGEL
L. KUBICEK

WATER LEVEL TAKEN ON 4-20-76

SCALE: 1" = 10.0'

LEGEND

SS STEEL SPLIT SPOON SAMPLER

▼ WATER LEVEL

BOTTOM OF WELL POINT ELEV.

GRAPHICAL LOG OF BORINGS
PROPOSED EAU CLAIRE LANDFILL
TOWN OF SEYMOUR, WISCONSIN
DATE: 5-06-76
JOB NO. H 01-0050-181

BORING NO. DH-10A

SURFACE ELEV. 902.6 FT.

AYRES ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs — 2" O.D. — FALLING 30") 6"	6"	per ft.	SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICATN	POCKET PEN. READING (T.S.F.)	GEOLOGY	DEPTH	ELEV.
					Topsoil 0.4"						
					Drilling Method, Tricone & Mud						50' of 4" Casing
					Free Drilling -(0-70')						
										10	
										20	
										30	
									Alluvium	40	
										50	▽
										60	
					70.0'						

— KEY —

C = ROCK CORE
A = AUGER SAMPLE
X = SPLIT SPOON
S = SHELBY TUBE
=
=

PROJECT Seven Mile Land Fill
DATE(S) DRILLLED 5-14-85
LOCATION 8+37 N, 9+35 W
GROUNDWATER: 51.0 FT. BELOW G.S. AT ELEV. OF 851.6
DRILLERS: M.P. JOB NO. 4731.00
DATE

BORING NO. DH-10A

SURFACE ELEV. 902.6 FT.

AYRES ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs – 2" O.D. – FALLING 30") 6"	6"	per ft.	SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICAT'N	POCKET PEN. READING (T.S.F.)	GEOLOGY	DEPTH	ELEV.
1	100	.0	100 R.0	X	Note: No H_2O Circulation from 75.0' – 85.1'				Residual	70	
2	100	.0	100 R.0	X	: Pumped two full tanks of H_2O, No circulation						
3	100	.0	100 R.0	X						80	
4	100	.0	100 R.0	X	E.O.B. @ 85.1' Set well @ 85.1'						
										90	
										100	
										110	
										120	
										130	

— KEY —

C = ROCK CORE
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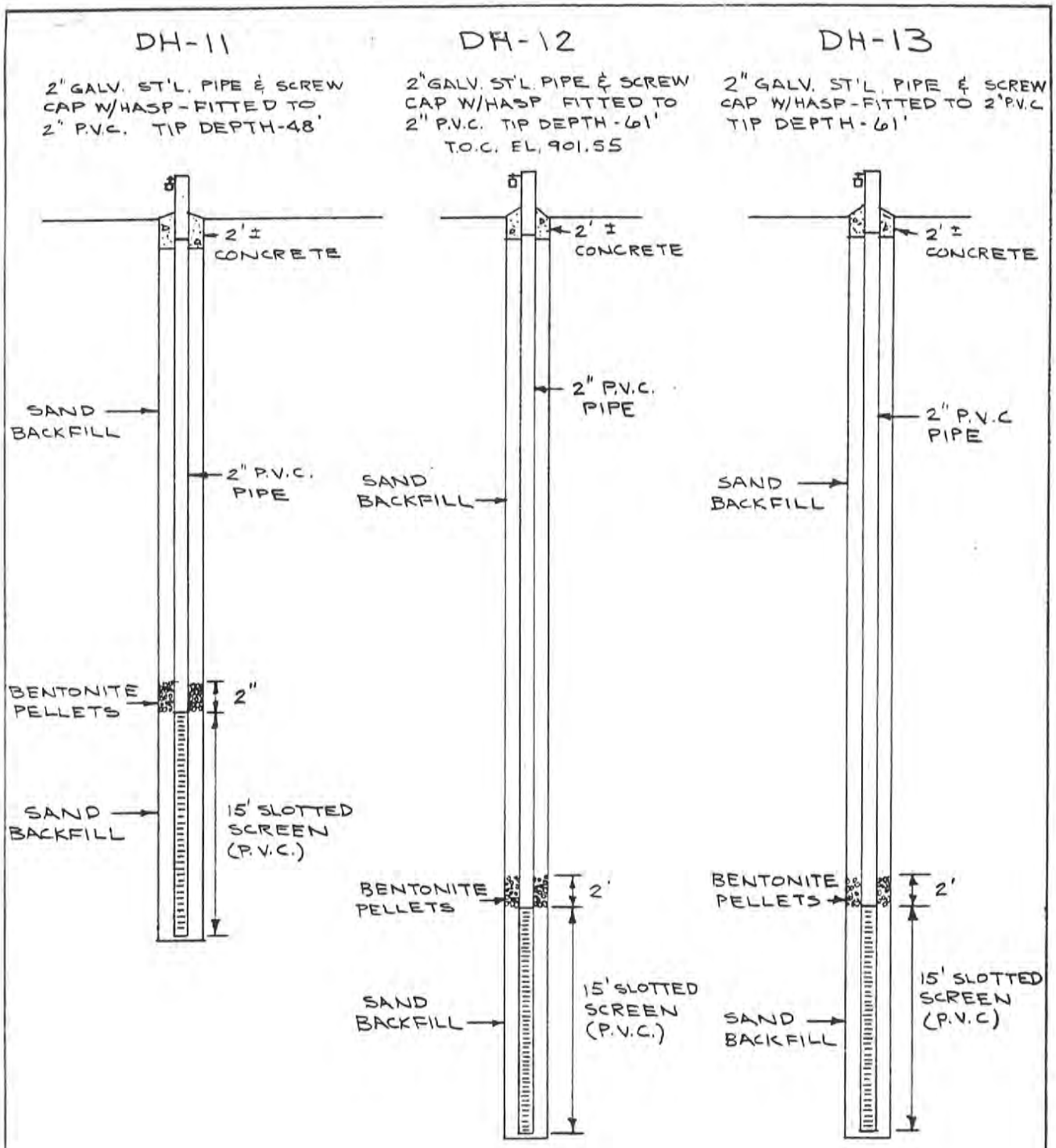
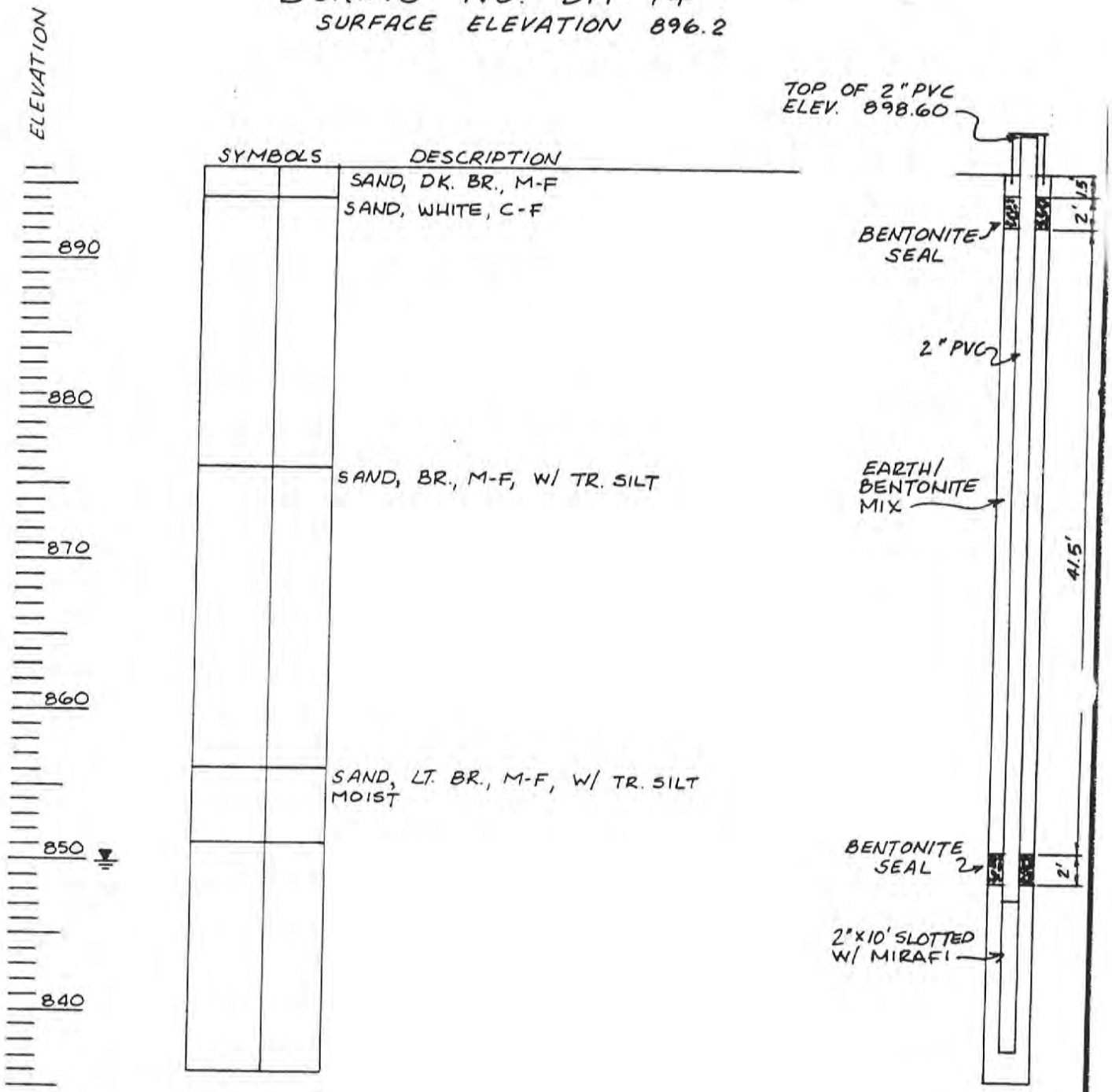
S = SHELBY TUBE
=
=

PROJECT Seven Mile L.F
DATE(S) DRILLLED 5-14-85
LOCATION 8+37 N, 9+35 W
GROUNDWATER: ____ FT. BELOW G.S. AT ELEV. OF ____
DRILLERS: M.P. JOB NO. 4731.00
DATE ____



WELL CONSTRUCTION DET.
PROPOSED EAU CLAIRE
LANDFILL, TWN. SEYMOUR

BORING NO. DH-14
SURFACE ELEVATION 896.2



BORING NO. DH-14
STARTED 6-16-82
COMPLETED 6-16-82

LEGEND

▼ WATER LEVEL

SCALE: 1"=10'-0"

GRAPHICAL LOG OF BORING
EAU CLAIRE SEVENMILE LANDFILL
EAU CLAIRE COUNTY, WISCONSIN
DATE: 3-84

BORING NO. DH-15

SURFACE ELEV. 898.4 FT.

AYRES ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs – 2" O.D. – FALLING 30") 6"	6"	per ft	SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICAT'N	POCKET PEN. READING (TSF)	GEOLOGY	DEPTH	ELEV.
					Top Soil - 0.2' Sand, Rd. Brn., M. (HSA) Hollow Stem Auger used.						HSA
1	7 8	9	17 R 18.0"	X	Sand, Brn., M, w/Trc. Silt	M	SP		Alluvium	5	
2	9 14	13	27 R 18.0"	X	Sand, Brn. M-F,	M	SP			10	
3	6 7	7	14 R 18.0"	X	Sand, Lt. Brn., M-F,	M	SP			15	
4	11 14	13	27 R 18.0"	X	As Above	M	SP			20	
5	19 22	16	38 R 18.0"	X	Sand, Brn., M-F, w/ little Silt	M	SP/SM			25	
6	18 24	19	43 R 18.0"	X	Sand, Brn., M-F, Mottled, w/ little - some Silt	M	SM			30	
7	23 21	20	41 R 18.0"	X	Sand, Tan, C-F, w/silty zones	M	SP			35	
8	23 21	20	41 R 18.0"	X	Sand, Tan, C-F, w/pieces of sandstone, trc. Silt	M	SP			40	
9	25 31	19	50 R 18.0"	X	Sand, Tan, C-F, w/rnd. S.S. pebbles	M	SP			45	
10	8 16	11	27 R 18.0"	X	Sand, Lt. Brn., C-F, w/Trc. Silt	H_2O W	SP			50	
11	15 19	18	37 R 18.0	X	As Above	W	SP			55	
12	13 21	16	37 R 1.0"		As Above	W	SP			60	
					E.O.B. @ 65.0' Well set @ 65.0'					65	

—KEY—

C = ROCK CORE
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S = SHELBY TUBE
=
HSA = Hollow Stem Auger

PROJECT Seven Mile L.F
DATE(S) DRILLLED 4-17-85
LOCATION 8+20 N, 2+00 W
GROUNDWATER: 50.2 FT. BELOW G.S. AT ELEV. OF 848.2
DRILLERS: T.K. JOB NO. 4731.00
DATE

BORING NO. DH-15A

SURFACE ELEV. 898.4 FT.

AYRES ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs — 2" O.D. — FALLING 30") 6"	6"	per ft	SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICAT'N	POCKET PEN. READING (T.S.F)	GEOLOGY	DEPTH	~~ELEV.~~
					Sand, Rd. Brn., M: w/Trc. Silt						898.4 Flight Auger
					Sand, Lt. Brn., M, w/Trc. Silt — Drilling Method Tricone & Mud 10'-4" Casing					10	Tricone & Mud
										20	
									Alluvium	30	
										40	
										50	▽ ?
										60	
1	24 21	23	44 R 18.0"	X	Sand, Lt. Brn., M-F, pieces of sandstone, w/Trc. Silt	W	SP			65	
										70	

—KEY—

C = ROCK CORE
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X = SPLIT SPOON
S = SHELBY TUBE
=
=

PROJECT Seven Mile L.F
DATE(S) DRILLLED 4-18-85
LOCATION 8+26N, 2+07W
GROUNDWATER: 50.2 FT. BELOW G.S. AT ELEV. OF 848.2
DRILLERS: TK JOB NO. 4731.00
DATE

BORING NO. DH-15A

SURFACE ELEV. 898.4 FT.

AYRES ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs – 2" O.D. – FALLING 30") 6"	6"	per ft.	SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICAT'N	POCKET PEN. READING (T.S.F.)	GEOLOGY	DEPTH	ELEV.
2	29 39	33	72 R 12.0"	X	Sand, Lt. Brn., C-F, w/pieces of Sand stone, "core" of compacted (part. cemented) f. sand, w/ trc. silt.	W	SP		Alluvium		70
3	100	0	100 R 0.0	X	E.O.B. @ 75.5' Set well @ 75.5				Alluvium	75	822.9
										10	80
										20	90
										30	
										40	
										50	
										60	

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C = ROCK CORE
A = AUGER SAMPLE
X = SPLIT SPOON
S = SHELBY TUBE
=
=

PROJECT Seven Mile L.F.
DATE(S) DRILLLED 4-18-85
LOCATION 8+26 N, 2+07 W
GROUNDWATER: ____ FT. BELOW G.S. AT ELEV. OF ____
DRILLERS: TK JOB NO. 4731.00
DATE ____

BORING NO. DH 16

SURFACE ELEV. 907.1 FT.

AYRES ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs – 2" O.D. – FALLING 30") 6"	6"	per ft	SAMPLE TYPE	CLASSIFICATION AND REMARKS	GRAPHIC SYMBOL (MO 151)	UNIFIED CLASSIFICATN	POCKET PEN. READING (T.S.F.)	GEOLOGY	DEPTH	ELEV.
					SAND, DK BRN, M-F Topsoil						
					SAND, BRN, M-F, W/TRC SILT						
1	6 12	13	25 R 1.2	X		M	SP			5	
2	8 23	17	40 R 1.3	X	SAND, LT BRN, F, W/TRC SILT	M	SP			10	
3	9 12	16	28 R 1.1	X	SAND, LT BRN-RD BRN, M-C W/TRC SILT	M	SP		ALLUVIUM	15	
4	100	1.0	100 R 1.0	X	SAND, TAN-BRN, F, W/TRC SILT					20	
5	14 60	24	84 R 1.3	X	SAND, RD BRN-YELLOW, F-M, W/SO SILT Few seams SILTY CLAY (ML-CL) WEATHERED SANDSTONE.	M	SM			25	
6	100	0.4	0.4 0.4	X					RESIDUAL	30	
					(SEE SHEET 2)						

— KEY —

C = ROCK CORE
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S = SHELBY TUBE
=
= HSA - 6"

PROJECT SEVEN MILE L.F
DATE(S) DRILLLED 9-4-85
LOCATION 15+51N, 5+76W
GROUNDWATER: 51 FT. BELOW G.S. AT ELEV. OF 856.1 (871 B.R.)
DRILLERS: L. ERDMAN JOB NO. 4731.00
R. THALACKER DATE 9-4-85
WIS TEST DR

BORING NO. DH16 (sheet 2)

SURFACE ELEV. _____ FT.

AYRES ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs – 2" O.D. – FALLING 30") 6"	6"	per ft	SAMPLE TYPE	CLASSIFICATION AND REMARKS	GRAPHIC SYMBOL	UNIFIED CLASSIFICATN	POCKET PEN. READING (T.S.F)	GEOLOGY	DEPTH	ELEV.
7	100	0.5	100 R0.5	X	SAND, YEL, WHITE, BRN M-F, W/ a little SILT WEATHERED SANDSTONE	M	SP-SM		RESIDUAL	35	
8	100	0.4	100 R0.4	X		M	SP-SM			40 10	
9	100	0.4	100 R0.4	X	W/TRC SILT	M	SP			45 20	
10	100	0.1	100 R0	X	▽ 51.0' SAND, WHITE, F, Few Rounded C Quartz Grains	D	SP			50 30	
11	100	0.1	100 R.0	X						55 40	
	100	0.3	100 R0.3	X	SILT, GRN-RD, W/50 CLAY AT 60.3'	M	ML-CL			60 60	
					EOB 63'					60	

— KEY —

C = ROCK CORE
A = AUGER SAMPLE
X = SPLIT SPOON
S = SHELBY TUBE
=
=

PROJECT SEVEN MILE
DATE(S) DRILLLED 9-4-85
LOCATION
GROUNDWATER: ____ FT. BELOW G.S. AT ELEV. OF
DRILLERS: _____ JOB NO.
_____ DATE

BORING NO. DH 16A

SURFACE ELEV. 906.7 FT.

AYRES ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs — 2" O.D. —FALLING 30") 6"	6"	per ft.	SAMPLE TYPE	CLASSIFICATION AND REMARKS	GRAPHIC SYMBOL	UNIFIED CLASSIFICATN	POCKET PEN. READING (T.S.F)	GEOLOGY	DEPTH	ELEV.
					Free Drilling mud - 10' Casing and 3" TRICONE						
										10	
										20	
										30	
										40	
										50	
										60	

—KEY—

C = ROCK CORE
A = AUGER SAMPLE
X = SPLIT SPOON
S = SHELBY TUBE
=
=

PROJECT SEVENMILE L.F.
DATE(S) DRILLLED 9-5-85
LOCATION 1546W, 576W
GROUNDWATER: 51 FT. BELOW G.S. AT ELEV. OF 855.87
DRILLERS: L. ERDMAN JOB NO. 4731.00
R. THALACKER DATE 9-5-85
WIS TEST DRILLING

BORING NO. DH16A

SURFACE ELEV. _____ FT.

AYRES ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs – 2" O.D. – FALLING 30") 6"	6"	per ft.	SAMPLE TYPE	CLASSIFICATION AND REMARKS	GRAPHIC SYMBOL	UNIFIED CLASSIFICAT'N	POCKET PEN. READING (T.S.F.)	GEOLOGY	DEPTH	ELEV.
1	100	0.1	100 R0.1	X	SAND, BUFF-BR, M-C, W/ Rounded C QUARTZ grains. W/TRC SILT WEATHERED SANDSTONE	W	SP			65	
2	100	0	100 R 0.0	X						70	
3	100	0	100 R.0.0	X						75 20	
4	100	0	100 R0.0	X	SOME SILTS and Clays OBSERVED ON Auger Head but none recovered between 79 and 85'					80 30	
5	100	0.1	100 R0.1		GRY-GRN Platy FINE GRAINED SANDSTONE, W/ a little SILT. EOB 86'	W				85 40	
										50	
										60	

— KEY —

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X = SPLIT SPOON
S = SHELBY TUBE
=
=

PROJECT _____
DATE(S) DRILLLED _____
LOCATION _____
GROUNDWATER: ____ FT. BELOW G.S. AT ELEV. OF _____
DRILLERS: _____ JOB NO. _____
_____ DATE _____

LOG ___ OF

BORING NO. DH-18

SURFACE ELEV. 899.75 FT.

AYRES ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs – 2" O.D. – FALLING 30") 6"	6"	per ft	SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICAT'N	POCKET PEN. READING (T.S.F.)	GEOLOGY	DEPTH	ELEV.
					Top Soil 0.3"						HSA
					Sand, yellow-Brn., C-F, w/some silt, tre gravel						
					Free drilling 0-0' – 59.5' Drilling Method: Hollow Stem Auger					10	
										20	
									Alluvium	30	
										40	
					▽ H_2O						853.47
										50	
										60	
					EOB 59.5' - Well set @ 59.5'						

—KEY—

C = ROCK CORE
A = AUGER SAMPLE
X = SPLIT SPOON
S = SHELBY TUBE
=
=

PROJECT Seven Mile L.F.
DATE(S) DRILLLED 4-25-85
LOCATION 14+55 N, 0+00
GROUNDWATER: 46 FT. BELOW G.S. AT ELEV. OF 853.5
DRILLERS: M.P. JOB NO. 4731.00
DATE -

BORING NO. DH-18A

SURFACE ELEV. 899.75 FT.

AYRES ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs – 2" O.D. –FALLING 30") 6"	6"	per ft.	SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICAT'N	POCKET PEN. READING (T.S.F.)	GEOLOGY	DEPTH	ELEV.
					Topsoil 0.4"						
					Sand, yellow-brn., C-F, ~/some silt, trc. of gravel.						
					Pushed TWT Tube" 0.0" Recovery						
1	10 10	8	18 R 12.0"	X	Sand, Tan-yel-brn., M-F, trc. of silt P-200 = 3.6%	D	SP			10	
2	7 12	11	23 R 13.0"	X	As Above w/ Brn. Mottles						
					Bas samples from Augers 10.0' to 20.0'					20	
					Free Drilling 20.0'–73.0'						
					10.0 of 4" Casing used. Drilling method: Tricone & Mud.					30	
									Alluvium	40	
					▽ H_2O						H_2O
										50	
										60	
					E.OB 73.0', Well @ 71.0'					70	

—KEY—

C = ROCK CORE
A = AUGER SAMPLE
X = SPLIT SPOON
S = SHELBY TUBE
=
=

PROJECT Seven Mile L.F.
DATE(S) DRILLLED 4-22-85
LOCATION 14+57N, 0+07E
GROUNDWATER: 46.3 FT. BELOW G.S. AT ELEV. OF 853.5
DRILLERS: M.P. JOB NO. 4731.00
DATE

LOG 1 OF 1

BORING NO. DH-18 B

SURFACE ELEV. 899.8 FT.

AYRES ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs – 2" O.D. – FALLING 30") 6"	6"	per ft.	SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICAT'N	POCKET PEN READING (T.S.F.)	GEOLOGY	DEPTH	ELEV.
					Topsoil 0.5 10'-4" Casing						
1	6 8	6	14, R 1.1	X	Sand, yel-brn., M-F, w/some silt & clay trc. gravel.	M	SM			5	
					Note: No sampling to 20.0'					10	
2	100	R 0.8	100 R 0.3'	X	As above, C-F	D/M	SM			20	
3	100	R 0.1	100, R 0.5'	X	As above	D/M	SM				
4	100	R 0.6	100 R 0.5'	X	As above, w/ A little silt 5-12%	D/M	SP-SM		Alluvium	30	
5	100	R 0.8	100 R 0.4	X	As above,	M	SP				
6	100	R 0.6	100 R. 0.3	X	As above	M	SP			40	
7	19 34	31	65, R 0.8'	X	As above w/ trc. of S.S. gravel	M	SP				H2O
8	17 33	22	55 R 1.0'	X	As above	W	SP			50	
					Begins to drill rougher						
9	14 27	23	50 R 1.1'	X	As above	W	SP				
10	19 29	24	53 R 1.1'	X	As above w/ trc gravel	W	SP			60	
11	17 33	26	59 R 1.1'	X	As above	W	SP			65	
										70	

— KEY —

C = ROCK CORE
A = AUGER SAMPLE
X = SPLIT SPOON
S = SHELBY TUBE
=
=

PROJECT Seven Mile L.F
DATE(S) DRILLLED 4-24-85
LOCATION 14+54N, 0+04E
GROUNDWATER: 46.3 FT. BELOW G.S. AT ELEV. OF 853.49
DRILLERS: M.P. JOB NO. 4731.00
DATE

BORING NO. DH-18B

SURFACE ELEV. 899.8 FT.

AYRES ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs — 2" O.D. — FALLING 30") 6"	6"	per ft	SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICAT'N	POCKET PEN READING (T.S.F.)	GEOLOGY	DEPTH	ELEV.
12	21 36	29	65 R 1.0'	X	Sand, yel-brn., C-F, w/tr. silt tr. gravel.	W	SP			10	
~~13~~	18 27	26	53 R 0.7'	X	As above	W	SP				
14	21 25	25	50 R 1.0'	X	As above	W	SP			~~10~~ 80	
~~15~~	31 29	26	55 R 1.1	X	Sand, Brn., C-F.	W	SP				
16	28 32	37	69 R 1.0'	X	As above	W	SP			~~20~~ 90	Well set
~~17~~	23 39	34	73 R 0.8'	X	Sand, Tan-gray, C-F.	W	SP				
18	39 30	33	63 R 0.5	X	As above	W	SP		Alluvium	~~30~~ 100	
~~19~~	21 28	37	55 R 0.0	X	As above						
20	8 31	17	48 R 1.1	X	Sand, gray, C-M, w/some silt, w/some gravel, Note: silty material @ tip of spoon	W	SM			~~40~~ 110	
21	13 53	36	89 R 1.0	X	Silt, gray, w/some sand m-F w/some organic material	W	ML			~~50~~ 120	
					E.O.B. @ 121.5' Well set @ 90.0'					~~60~~ 130	
					Hole grouted below 91' With cement/bentonite grout						

—KEY—

C = ROCK CORE
A = AUGER SAMPLE
X = SPLIT SPOON
S = SHELBY TUBE
=
=

PROJECT Seven Mile L.F
DATE(S) DRILLLED 4-24-85
LOCATION 14+54N, 0+04E
GROUNDWATER: 46.3 FT. BELOW G.S. AT ELEV. OF 853.49
DRILLERS: M.P. JOB NO. 4731.00
DATE

BORING NO. DH-19

SURFACE ELEV. 897.40 FT.

AYRES ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs – 2" O.D. – FALLING 30") 6"	6"	per ft	SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICAT'N	POCKET PEN READING (T.S.F.)	GEOLOGY	DEPTH	ELEV. Drilling Method
					Top soil 0.5					0	HSA
					Sand, yel-brn., M-F, w/tre. silt						
1	5 13	8	21 R 1.1'	X		M	SP			5	
2	6 14	10	24 R 1.2'	X	Sand, Lt. Brn., F-VF, w/some silt	M	SM			10	
3	10 15	11	26 R 1.1'	X		M	SM				
4	11 16	13	29 R 1.0'	X	Sand, yel-brn., F, w/a little silt	D	SP-SM			20	
5	9 14	12	26 R 1.2'	X		D	SP-SM				
6	11 13	11	24 R 1.1'	X	Sand, Lt. Brn-brn., F, w/some silt	D	SM		Alluvium	30	
7	13 16	15	31 R 1.0	X	Sand, Lt. Brn., F-VF, Tre. silt	D	SP				
8	18 25	23	48 R 1.1'	X	As above, mottled	D	SP			40	
9	17 24	18	42 R 1.2'	X	As above	D	SP				
10	23 20	18	38 R 1.0'	X	As above, Thin Rust Seam	M	SP			50	▽
11	11 16	13	29 R 1.2'	X	Sand, Lt. Brn., F-VF, w/ tre. silt Mottled	W	SP				
12	9 15	13	28 R 1.0'	X	As above, mottled	W	SP			60	
13	9 12	12	24 R 1.1'	X	As above, mottled	W	SP				
					E.OB @ 66.5, Well set @ 66.0						

—KEY—

C = ROCK CORE
A = AUGER SAMPLE
X = SPLIT SPOON
S = SHELBY TUBE
=
=

PROJECT Seven Mile L.F
DATE(S) DRILLLED 4-18-85
LOCATION 3+50N, 4+50W
GROUNDWATER: 53.7 FT. BELOW G.S. AT ELEV. OF 843.7
DRILLERS: M.P. JOB NO. 4731.00
DATE

BORING NO. DH-19A

SURFACE ELEV. 897.4 FT.

AYRES ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs – 2" O.D. – FALLING 30") 6"	6"	per ft.	SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICAT'N	POCKET PEN. READING (TSF)	GEOLOGY	DEPTH	~~ELEV.~~
					Top soil 0.5'						10' of 4" Casing
1	6 14	9	23 R 1.1'	X	Sand, yel.-brn., C-F, w/tr. silt, w/tr. gravel	M	SP				
2	10 17	14	31 R 1.1	X	2 2	M	SP			10	Tricone + Mud
3	12 15	13	28 R 1.1	X		M	SP				
4	12 16	13	29 R 1.0	X	Sand, yel-brn., C-F, w/some silt	M	SP			20	
5	9 14	12	26 R 1.1	X		D	SP				
6	10 15	14	29 R 1.2'	X		D	SP		Alluvium	30	
					Note: No sampling till 70.0' by mistake.					35	
										40	
										50	
										60	

— KEY —

C = ROCK CORE
A = AUGER SAMPLE
X = SPLIT SPOON
S = SHELBY TUBE
=
=

PROJECT Seven Mile L.F
DATE(S) DRILLLED 4-18-85
LOCATION 3+51 N, 4+53 W
GROUNDWATER: 53.7 FT. BELOW G.S. AT ELEV. OF 843.7
DRILLERS: M.P. JOB NO. 4731.00
DATE

BORING NO. DH-19A (cont.)

SURFACE ELEV. 897.4 FT.

AYRES ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs — 2" O.D. — FALLING 30") 6"	6"	per ft.	SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICAT'N	POCKET PEN. READING (T.S.F.)	GEOLOGY	DEPTH	ELEV.
1	18 26	23	49 R 1.0	X	Sand, Lt. Brn., M, w/tr. silt	W	SP			70	Tricone & Mud
2	19 34	22	56, R 0.8'	X	As above	W	SP				
3	19 37	23	60 R 0.0'	X							
					E.O.B. @ 79.5'					80	
					Well set @ 78.0						
										90	
										100	
										110	
										120	

—KEY—

C = ROCK CORE
A = AUGER SAMPLE
X = SPLIT SPOON
S = SHELBY TUBE
=
=

PROJECT Seven Mile L.F.
DATE(S) DRILLLED 4-18-85
LOCATION 3+51 N, 4+53 W
GROUNDWATER: 5.37 FT. BELOW G.S. AT ELEV. OF 843.7
DRILLERS: M.P. JOB NO. 4731.00
DATE

BORING NO. DH-20.

SURFACE ELEV. 910.6 FT.

AYRES ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs – 2" O.D. – FALLING 30") 6"	6"	per ft	SAMPLE TYPE	CLASSIFICATION AND REMARKS	MOISTURE GRAPHIC SYMBOL	UNIFIED CLASSIFICAT'N	POCKET PEN READING (T.S.F)	GEOLOGY	DEPTH	ELEV.
					Sand, Blk, F w/some silt (Topsoil)	M	SM				
1	13 9	11	20 R1.2	SS	SAND, LT BR, M-F, w/some Silt	W	SM			10	5
2	5 11	9	20 R1.1	SS	Silty Sand, Brn, M-F	M	SM		Alluvium	20	10
3	7 15	10	25 R1.2	SS	SAND - yellow - Brn W/little - Trc Silt	M	SP-SM			30	15
4	8 30	13	43 R1.1	SS	Sand Yellow - White, M-F Tr/silt, Tr/Gravel w/SS. chips	M	SP			40	20
					Brn, Silty Sand layer @ 20.2-20.5		SM				
5	100/0.3		R0.3	SS		M	SP		Residual	50	25
6	100/0.6		R0.5			M/W				60	30

—KEY—

C = ROCK CORE
A = AUGER SAMPLE
SS = SPLIT SPOON
S = SHELBY TUBE
M = MOIST
W = WET

PROJECT SEYMOUR LANDFILL / 7mile LANDFILL
DATE(S) DRILLED 4-17-85
LOCATION 17+00 N 21+70 E
GROUNDWATER: ____ FT. BELOW G.S. AT ELEV. OF ____
DRILLERS: WIS. TEST DRILLING JOB NO. ____
DATE ____

R = Sample Recovery

BORING NO. DH-20 (cont)

SURFACE ELEV. _____ FT.

AYRES ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs – 2" O.D. – FALLING 30") 6"	6"	per ft.	SAMPLE TYPE	CLASSIFICATION AND REMARKS	MOISTURE ~~GRAPHIC SYMBOL~~	UNIFIED CLASSIFICAT'N	POCKET PEN. READING (T.S.F.)	GEOLOGY	DEPTH	ELEV.
7	100/0.4		R0.4	SS	SAND, yellow/Grn/Tan F-M single grain to platy Weathered S.S.	W					
8	100/0.3		R0.3	SS		W				10	40
9	100/0.3		R0.3	SS	E.O.B. 45.3 WELL @ 44.3	W				20	45
										30	
										40	
										50	
										60	

— KEY —

C = ROCK CORE
A = AUGER SAMPLE
X = SPLIT SPOON
S = SHELBY TUBE
M = MOIST
W = WET

PROJECT _____
DATE(S) DRILLLED _____
LOCATION _____
GROUNDWATER: ____ FT. BELOW G.S. AT ELEV. OF _____
DRILLERS: _____ JOB NO. _____
_____ DATE _____

R = SAMPLE RECOVERY

LOG OF

BORING NO. DH-20A

SURFACE ELEV. 910.6 FT.

AYRES ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs – 2" O.D. – FALLING 30") 6"	6"	per ft.	SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICAT'N	POCKET PEN. READING (T.S.F.)	GEOLOGY	DEPTH	~~ELEV.~~
					Top soil 0.4						10' of 4" Casing
					Free Drilling 0.0' – 50.0'				Alluvium	10	Tricone & Mud
										20	
										30	▽
									Residual	40	
1	100/0.0		100, R 0.0'	X	Note: Spoon Bounced					50	
2	100/0.0		100 R 0.0'	X	E.O.B. 55.0' Well set @ 55.0'					60	

— KEY —

C = ROCK CORE
A = AUGER SAMPLE
X = SPLIT SPOON
S = SHELBY TUBE
=
=

PROJECT Seven Mile L.F
DATE(S) DRILLLED 4-22-85
LOCATION 17+00 N 21+55 E
GROUNDWATER: 32.2 FT. BELOW G.S. AT ELEV. OF 878.4
DRILLERS: M.P JOB NO. 473100
Wis. Test Drilling DATE

BORING NO. D4 21

SURFACE ELEV. 904.1 FT.

AYRES ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs – 2" O.D. – FALLING 30") 6"	6"	per ft	SAMPLE TYPE	CLASSIFICATION AND REMARKS	GRAPHIC SYMBOL (Moist)	UNIFIED CLASSIFICATN	POCKET PEN. READING (T.S.F)	GEOLOGY	DEPTH	ELEV.
					TOP SOIL 0.3'						
1	9/12	11	23 R1.5	X	SAND, LT BRN, M-F, W/TRC SILT	D	SP			10	5
2	10 17	15	32 R1.1	X	OCCASIONAL RD-BRN VF SAND SEAMS between 10-15'	D	SP			20	10
3	9 17	14	31 R1.2	X	SAND, BRN, F-M, W/a little SILT	M	SP-SM		ALLUVIAL	30	15
4	8 23	17	40 R1.3	X	SAND, LT BRN, M-F, W/TRC SILT	D	SP			40	20
5	11 17	12	29 R1.4	X	SAND, LT. BRN, F-M, W/a little SILT	D	SP-SM			50	25
6	17 31	19	40 R1.2	X		M	SP-SM			60	30
					SAND, BRN-LT BRN, M-F, W/TRC SILT - Weathered SANDSTONE				Residual		

— KEY —

C = ROCK CORE
A = AUGER SAMPLE
X = SPLIT SPOON
S = SHELBY TUBE
=
=

PROJECT SEVEN MILE L.F
DATE(S) DRILLLED 8-29/30/85
LOCATION 9+50N, 4+65W
GROUNDWATER: 53.5 FT. BELOW G.S. AT ELEV. OF 850.7 BR-865.6
DRILLERS: L. ERDMAN JOB NO. 4731.00
D. DICKENSON DATE 8-30-85
WT. DR.

BORING NO. DH 21 (Sheet 2)

SURFACE ELEV. _____ FT.

AYRES ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs – 2" O.D. – FALLING 30") 6"	6"	per ft.	SAMPLE TYPE	CLASSIFICATION AND REMARKS	GRAPHIC SYMBOL (Moist)	UNIFIED CLASSIFICATN	POCKET PEN. READING (T.S.F)	GEOLOGY	DEPTH	ELEV.
7	16 51	31	82 R.1.0	X	(SAME AS Above)	M	SP		RESIDUAL - MT Simon 3.5		35
8	100	.5	100/.5 R0.5	X	SAND, BRN, White and RD BR M-F, W/TRC SILT - WEATHERED SANDSTONE	M	SP			10 40	40
9	100	.7	100/.7 R0.7	X	THIN SEAM GRN SILT AT 46'	M	SP			20 45	45
10	100	.4	100/ R.0.4	X	▽ 53.5'					30 50	50
11	100	.1	100/ R0.1	X	THIN SEAM GRN SILT AT 55'	M	SP			40 55	55
					HSA Refusal 57.5' TRICONE AND water Thru HSA below						
12	6 4	5	9 R.5	X		W				50 60	60
13	7 10	8	18 R0.9	X		W				60 65	65
					EOB 67'						

— KEY —

C = ROCK CORE
A = AUGER SAMPLE
X = SPLIT SPOON
S = SHELBY TUBE
=
=

PROJECT SEVEN MILE L.F.
DATE(S) DRILLLED 8-29/30-85
LOCATION
GROUNDWATER: ____ FT. BELOW G.S. AT ELEV. OF
DRILLERS: _____ JOB NO.
_____ DATE 8-30-85

BORING NO. DH 21 A

SURFACE ELEV. 904.1 FT.

AYRES ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs — 2" O.D. —FALLING 30") 6"	6"	per ft.	SAMPLE TYPE	CLASSIFICATION AND REMARKS	GRAPHIC SYMBOL	UNIFIED CLASSIFICATN	POCKET PEN. READING (T.S.F)	GEOLOGY	DEPTH	ELEV.
					Free Drilling 10' Casing - Mud 3" Tricone						
										10	
										20	
										30	
										40	
										50	
										60	

—KEY—

C = ROCK CORE
A = AUGER SAMPLE
X = SPLIT SPOON
S = SHELBY TUBE
=
=

PROJECT SEVEN MILE L.F
DATE(S) DRILLLED 9-3-85 well set on 9-4-85
LOCATION 9+47N, 4+68W
GROUNDWATER: 53.5 FT. BELOW G.S. AT ELEV. OF 850.7
DRILLERS: L ERDMAN JOB NO. 4731.00
R THALACKER DATE 9-3-85
W.I.S TEST DRILLING

BORING NO. DH 21A (Sheet 2)

SURFACE ELEV. _____ FT.

AYRES ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs — 2" O.D. —FALLING 30") 6"	6"	per ft	SAMPLE TYPE	CLASSIFICATION AND REMARKS	GRAPHIC SYMBOL	UNIFIED CLASSIFICATN	POCKET PEN. READING (T.S.F)	GEOLOGY	DEPTH	ELEV.
					Free Drilling - 10' CASING 3" TRICONE						
										10	65
										20	70
1	0	0	0	X	NO RECOVERY - No blow counts VOID IN SANDSTONE						
2	25 0	8	8 R0.5	X	PLATY SANDSTONE, TAN - GRY GRN, 1" Seam GRN C SILT AT 75'					30	75
3	5 8	7	15 R0.2	X	FRACTURED SANDSTONE, BRN, Rd, GRN					40	80
4	5 7	10	17 R0.1	X	RD-GRN SILTY CLAY	M	CL		RESIDUAL	50	85
5	100	1.0	100 R1.0	X	GRN, BLUE-GRN, PINK CLAY	M	CL			60	90
					EOB 88'						

— KEY —

C = ROCK CORE
A = AUGER SAMPLE
X = SPLIT SPOON
S = SHELBY TUBE
=
=

PROJECT SEVEN MILE L.F.
DATE(S) DRILLLED 9-3-85
LOCATION _____
GROUNDWATER: ____ FT. BELOW G.S. AT ELEV. OF _____
DRILLERS: _____ JOB NO. _____
_____ DATE _____

BORING NO. DH-22

SURFACE ELEV. 899.5 FT.

AYRES ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs – 2" O.D. – FALLING 30") 6"	6"	per ft	SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICAT'N	POCKET PEN. READING (T.S.F.)	GEOLOGY	DEPTH	ELEV.
					Top soil 0.3						10' of 4" Casing
					Sand, Tan, M-F, w/little coarse brn. silt	D	SP-SM			5	
1	5 13	8	21 R1.2	X	Sand, yel-white, C-F, w/some silt, trc. grav.	D	SP-SM				
2	5 11	8	19 R1.1'	X	Sand, Brn., C-F, w/little silt trc. gravel.	M	SP-SM			10	Tricone & Mud
3	6 14	10	24 R1.2	X	Note: Change @ tip of spoon.	M	SP-SM				
4	11 31	19	50 R1.0'	X	Sand, yel-white, C.F., w/trc. silt w/tr. of fine sandstone frags.	D	SP			20	
5	13 18	17	35 R1.1	X		D	SP		Alluvium		
6	13 26	22	48 R1.1'	X	Sand, tan-brn., F-VF w/trc. silt, w/trc. fine s.s. frags	M	SP			30	
7	11 20	19	39 R1.0	X	Change @ Tip of Spoon	M	SP				
8	8 18	15	33 R1.1	X	Sand, tan, c-F, w/Trc. Silt Mottled	W	SP			40	▽
9	13 22	17	39 R1.1	X	As above, mottled	W	SP				
10	19 34	27	61 R1.0	X	As above,	W	SP			50	
					Sand, tan-brn., M-F, single grain & frag. s.s.	W	SP				
11	100/0.8		100 R0.5	X	E.O.B. @ 53.5' Well set @ 53.8						
										60	

—KEY—

C = ROCK CORE
A = AUGER SAMPLE
X = SPLIT SPOON
S = SHELBY TUBE
=
=

PROJECT Seven Mile L.F
DATE(S) DRILLLED 4-16-85
LOCATION 22+00 N, 3+00E
GROUNDWATER: 41.2 FT. BELOW G.S. AT ELEV. OF 858.3
DRILLERS: M.P JOB NO. 4731.06
Wis. Test Drilling DATE

BORING NO. DH-22A

SURFACE ELEV. 899.5 FT.

AYRES ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs — 2" O.D. — FALLING 30") 6"	6"	per ft	SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICAT'N	POCKET PEN. READING (T.S.F.)	GEOLOGY	DEPTH	ELEV.
					Top soil 0.4						10' of 4" Casing
					Free drilling 0.0'- 70.0'						
					Sand, yel.brn., C-F, w/some silt, tr. gravel					10	Tricone & Mud
										20	
									Alluvium	30	
										40	▽
										50	
										60	
					E.O.B @ 70.0', Well Set @ 70.0'						

—KEY—

C = ROCK CORE
A = AUGER SAMPLE
X = SPLIT SPOON
S = SHELBY TUBE
=
=

PROJECT Seven Mile L.F.
DATE(S) DRILLLED 4-30-85
LOCATION 21+92 N, 3+00 E
GROUNDWATER: 41.2 FT. BELOW G.S. AT ELEV. OF 858.3
DRILLERS: M.P JOB NO. 473100
Wis. Test Drilling DATE

BORING NO. DH-22B

SURFACE ELEV. 899.5 FT.

AYRES ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs – 2" O.D. – FALLING 30") 6"	6"	per ft.	SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICAT'N	POCKET PEN. READING (T.S.F.)	GEOLOGY	DEPTH	~~ELEV.~~
					Topsoil 0.4						10' of 4" Casing
					Free Drilling 0.0'-55.0'					10	Tricone & Mud
										20	
					Note: Attempted to Push Tube 30.0'-32.6', Refusal					30	
										40	▽
										50	
1	22 48	36	84 R.O.B'	X	Sand, tan-Brn., M-F w/tr. gravel	W	SP			55	
2	19 22	18	40 R.O.B'	X	As above	W	SP			60	
3	23 34	28	62 R.O.B'	X	As above	W	SP			65	
					See page 2					70	

—KEY—

C = ROCK CORE
A = AUGER SAMPLE
X = SPLIT SPOON
S = SHELBY TUBE
=
=

PROJECT Seven Mile L.F.
DATE(S) DRILLLED 4-29-85
LOCATION 21+95 N, 3+05 F
GROUNDWATER: 41.2 FT. BELOW G.S. AT ELEV. OF 858.3
DRILLERS: MP cf JOB NO. 4731.00
W.T.D. DATE

BORING NO. DH-22B

SURFACE ELEV. 899.5 FT.

AYRES ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs – 2" O.D. – FALLING 30") 6"	6"	per ft	SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICAT'N	POCKET PEN. READING (T.S.F.)	GEOLOGY	DEPTH	ELEV.
4	26 36	38	74 R0.6	X	Note Drilled Rougher @ 68.5' As above -	W	SP				Tricone & Mud
5	28 40	37	77 R.08	X	As above	"	"				
6	21 37	32	69 R0.4	X	As above	"	"			70 80	
7	24 41	33	74 R0.5	X	As above	"	"				
8	27 38	29	67 R0.5	X	As above	"	"			90	
9	31 39	28	67 R0.5	X	As above						
100	100/1.0		100 R0.3	X	As above	W	SP			100	
11	100/0.8		100 R0.4	X	As above						
12	100/1.1		100 R0.3	X	As above					110	
13	100/1.0		100 R0.0'	X	As above						
					E.O.B. 116.0' Well set @ 95.0'					120	
										130	

— KEY —

C = ROCK CORE
A = AUGER SAMPLE
X = SPLIT SPOON
S = SHELBY TUBE
=
=

PROJECT 7-Mile
DATE(S) DRILLLED 4-29-85
LOCATION 21+95 N, 3+05 E
GROUNDWATER: 41.2 FT. BELOW G.S. AT ELEV. OF 858.3
DRILLERS: _____ JOB NO. _____
_____ DATE _____

BORING NO. DH-23

SURFACE ELEV. 912.23 FT.

AYRES ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs – 2" O.D. – FALLING 30") 6"	6"	per ft.	SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICAT'N	POCKET PEN READING (T.S.F.)	GEOLOGY	DEPTH	ELEV.
					Topsoil 0.5'						Hollow Stem Auger
					Silty Sand, Drk. Brn., C-F						
1	11 7	6	13 R 1.5'	X	Sand, Brn., C-F, w/some silt & organics Sand, Brn, M, w/trc. of silt	M	SP				
2	11 18	12	30 R 1.5'	X	Sand, Lt. Brn. M Sand, Brn. M, mottled.	W	SP		Alluvium	10	Perched
3	11 18	15	33 R 1.5'	X	Sand, Brn., C-F, w/some silt w/layers of silt, green w/a little v.f. sand, w/some clay, Low plastic, bedded, friable to soft, mica present	W	SM				
4	33 26	28	54 R 1.5'	X	Sand, white, F-vf, mottled Sandstone Moved back 12.5' E.O.B. 21.5 due to perched H_2O	W	SP			20	Tricone & Mud.
5	100/0		100 R 0.0	X					Residual		
6	100/0		100 R 0.0	X						30	
7	100/0		100 R 0.0	X							
8	100/0		100 R 0.0	X	Lost Circulation					40	
9	100/0		100 R 0.0	X							
10	100/0		100 R 0.0	X	E.O.B. @ 51.0' Set well @ 50.0'					50	
										60	

— KEY —

C = ROCK CORE
A = AUGER SAMPLE
X = SPLIT SPOON
S = SHELBY TUBE
=
=

PROJECT Seven Mile L.F
DATE(S) DRILLLED 4-16-85
LOCATION 24+01 N, 15+40 E
GROUNDWATER: 34.2 FT. BELOW G.S. AT ELEV. OF 878.0
DRILLERS: TK for W.T.D JOB NO. 4731.00
DATE

BORING NO. DH-23A

SURFACE ELEV. 912.2 FT.

AYRES ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs – 2" O.D. – FALLING 30") 6"	6"	per ft.	SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICAT'N	POCKET PEN. READING (T.S.F.)	GEOLOGY	DEPTH	ELEV.
					Topsoil 0.4						25' of 4" Casing
					Sand, yellow-Brn., C-F, w/some silt, trc. gravel.					10	
					Sand, yellow-Brn., M-F, w/some silt, w/some s.s. chips					20	
1	100/0		100 R0.0								Tricone & Water
									Alluvium	30	
										40	
										50	
2	100/0		100 R0.0								
3	100/0		100 R0.0							60	
4	100/0		100 R0.0								

See Page 2

— KEY —

C = ROCK CORE
A = AUGER SAMPLE
X = SPLIT SPOON
S = SHELBY TUBE
=
=

PROJECT Seven Mile L.F
DATE(S) DRILLLED 4-30-85, 5-1-85
LOCATION 23+93 N, 15+44 E
GROUNDWATER: 34.2 FT. BELOW G.S. AT ELEV. OF 878.0
DRILLERS: M.P. for WTD JOB NO. 473100
DATE

BORING NO. DH 23 A

SURFACE ELEV. 912.2 FT.

AYRES ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs – 2" O.D. – FALLING 30") 6"	6"	per ft	SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICAT'N	POCKET PEN READING (T.S.F.)	GEOLOGY	DEPTH	ELEV.
5	100/0		100 RQD		Note: Spoon Bounced					70	↓
6	100/0		100 RQD		E.O.B. 75.0' Set well @ 74.0					75 80	
										20	
										30	
										40	
										50	
										60	

— KEY —

C = ROCK CORE
A = AUGER SAMPLE
X = SPLIT SPOON
S = SHELBY TUBE
=
=

PROJECT Seven Mile L.F.
DATE(S) DRILLLED 5-1-85
LOCATION 23+93 N, 15+44 E
GROUNDWATER: 34.2 FT. BELOW G.S. AT ELEV. OF 878.01
DRILLERS: _____ JOB NO. _____
_____ DATE _____

BORING NO. DH-23B

SURFACE ELEV. 912.2 FT.

AYRES ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs — 2" O.D. — FALLING 30") 6"	6"	per ft.	SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICATN	POCKET PEN. READING (T.S.F)	GEOLOGY	DEPTH	ELEV.
					Topsoil 0.3'						50' of 4" Casing
					Free Drilling - 0.0' - 50.0'						
					Sand, yel-brn., C-F, w/some silt, trc. gravel					10	
					Sand, yel-brn., M-F, w/some silt, "Weathered Sandstone"					20	
										30	
										40	
										50	Tricone & H_2O
					"NXM Core Run" 50.0' - 55.0'						
					"NXM Core Run" 55.0' - 60.0'					60	
					Note: H_2O Loss 65.0' - 90.0' 100 gal./10' Run						
					Clay, Rd.Brn.					70	

— KEY —

C = ROCK CORE
A = AUGER SAMPLE
X = SPLIT SPOON
S = SHELBY TUBE
=
=

PROJECT Seven Mile L.F.
DATE(S) DRILLLED 5-2-85
LOCATION 21+95 N, 15+32 E
GROUNDWATER: 34.2 FT. BELOW G.S. AT ELEV. OF 878.0
DRILLERS: M.P for W.T.D. JOB NO. 4731.00
DATE

BORING NO. DH 23B

SURFACE ELEV. 912.2 FT.

AYRES ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs – 2" O.D. – FALLING 30") 6"	6"	per ft.	SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICAT'N	POCKET PEN. READING (T.S.F.)	GEOLOGY	DEPTH	ELEV.
										70	Tricone & H_2O
										10 80	
										20 90	
					"NXM Core Run" 95.0' – 100.0" Weathered Granite @ 96.0'						
					Note: Drilled very slowly 96.0' – 120.5' Water Loss: 100gal/5' Run					30 100	
										40 110	
					Note: Cored like granite @ 120.5 – 122.5' Rec. 8"-10"/24" "NXM Core Run 120.0 – 122.5'					50 120	
					E.O.B. @ 122.5' Set well @ 94.5'					80 130	
					Hole Backfilled below 95' with Cement/bentonite grout					140	

— KEY —

C = ROCK CORE
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=
=

PROJECT Seven Mile L.F
DATE(S) DRILLLED 5-2-85
LOCATION 21+95N, 15+32E
GROUNDWATER: 34.2 FT. BELOW G.S. AT ELEV. OF 878.0
DRILLERS: _____ JOB NO. _____
_____ DATE _____

SEVENMILE CREEK LANDFILL
SECTOR 2 FEASIBILITY

SAMPLE DH-23B CORE

Depth	Classificaton	Description
50'-60'	Mt. Simon Sandstone	Tan-white, mostly fine to very fine grained sandstone. Quartz grains are mostly sub- to well-rounded. Some sub-hedral crystals (qtz) can be seen under microscope. Rock is 99% qtz grains. Cement is not distinguishable. Occasional bands ≤1" thick of yellow to brown staining. Bands have 30% coarser qtz grains in fine grained matrix. At 51 ft is thin (1/4" - 3/8") band of white, uniform v. fine qtz grains sandwiched between 1/16" white silty layers. Orange-brown stain is intense on outside of silty bands. Intensity fades away from silt and blends into tan-white sandstone described above. Grain size and apparent porosity vary through interval. Greater porosity evident w/larger grain size. Bedding plane horizontal. Some cross-bedding at shallow angles present. Some horizontal 1/8" - 3/8" green, micaceous, silty beds, frequency increases through core run. Example: 2 beds 50'-56', 7-8 beds from 56'-60'. Very coarse grained qtz sand/pebble conglomerate tends to associate just below silt layer. NMX Core 1st Run 50'-55': Rec = 44"/60" = 73%, RQD=0 2nd Run 55'-60': Rec = 38"/60" = 63%

Depth	Classificaton	Description
95'-96'	Mt. Simon Sandstone	Yellow-tan sandstone discs 1/4"-1" thick. Some qtz pebble "conglomerate" w/orange to brown staining. Cement dissolves when wet.
96'-100'	Koalinite(?) Product of crystalline rock weathering	Grayish-Green clayey material, v. siff, (H=2) w/very fine orange to brown sandy layers, horizontally bedded lamellae to poorly defined 1/2"-1/4" beds. At top of layer just below qtz pebble conglomerate (above description) is 3/16" lt. olive brown "sandy" layer with slickensides on upper boundary surface (horizontal). Slickensides in green clayey mineral (H=1.5-2, streak=white). Color changes to dk gray-green w/depth. 3" piece at bottom. Core severely broken from core barrel removal except for bottom 6-8" (in 3 pieces). NXM Recovery 45% (28"/60")
120'-122.5'	Weathered crystalline rock	NXM core 8"/30" recovery. Core is three pieces (2", 2", 3") of continuous severely weathered crystalline rock consisting of alternating zones dipping at high angle. True thickness of both zones are 1"-1 1/2" each. <u>Dark colored zone</u>: Dk. green material, thin lamellae of possibly serpentine, muscovite and biotite mica. Trace of qtz in 1/16" vein dipping w/texture. Some irregular reddish zones cross lamellae orientation. Soft, H = 1.5-2. One v. small grain possible pyrite.

Depth	Classificaton	Description
		Light zone: White - lt. green material, v.f. granular feldspar (Plagioclase) weakly cemented by pale green alteration, with v. thin dk lamellae (serpentine and micas) concordant with dark zone. Two sets of hairline fractures at 20° - 30° are normal to dip of zones. 1 well rounded coarse qtz grain (tan) cemented in white zone.

BORING NO. DH-23C

SURFACE ELEV. 912.2 FT.

AYRES ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs – 2" O.D. – FALLING 30") 6"	6"	per ft	SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICATN	POCKET PEN. READING (TSF)	GEOLOGY	DEPTH	ELEV.
					Top Soil 0.4'						Flight Auger
					Sand, yel-brn., C-F, w/some silt trc. gravel.				Alluvium	10	
					Sand, yel-brn, M-F, w/some silt, w/some sandstone chips Note: Drilled rougher 18.5'-30.0'					20	
					E.O.B. @ 30.0' Well set @ 20.0'					30	
										40	
										50	
										60	

—KEY—

C = ROCK CORE
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X = SPLIT SPOON
S = SHELBY TUBE
=
=

PROJECT Seven Mile L.F.
DATE(S) DRILLLED 4-30-85
LOCATION 23+94 N, 15+39 E
GROUNDWATER: -- FT. BELOW G.S. AT ELEV. OF --
DRILLERS: M.P. for W.T.D. JOB NO. 4731.00
DATE

LOG 1 OF 1

BORING NO. DH-24

SURFACE ELEV. 920.6 FT.

AYRES ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs – 2" O.D. – FALLING 30") 6"	6"	per ft	SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICAT'N	POCKET PEN. READING (T.S.F.)	GEOLOGY	DEPTH	~~ELEV.~~
					Topsoil 0.4'						Hollow Stem Auger
1	6 8 8	8	16 R 1.1	X	Sand, yel-brn., M-F, w/so silt trc gravel	D	SM		Alluvium		
2	7 17	11	28 R 1.1'	X	Sand, Brn., F, w/so Coarse Silt	D	SM			10	
3	10 8	6	14 R 0.2	X		D	SM				
					Clay, Rd.-green, w/ Lense cont. fine S.S. frags, 6"					20	
4	100/	1.0	100 R 1.0'	X	Sand, yel-white, C-F, w/trc. silt single grained to platy weather sandstone	D ↑ D	CL ↑ SP				
5	100/	.2	100 R 0.2'	X		D	SP		Residual		
6	100/	.2	100 R 0.2'	X		D				30	
7	100/	.3	100 R 0.3'	X		D					
8	100/	.5	100 R 0.5	X	"Tip of spoon wet"	W				40	
9	100/	.4	100 R 0.4	X	"Mottled"	W					
10	100/	.3	100 R 0.3	X		W				50	
11	100/	.3			E.O.B. 53.3' Well set @ 53.0'					60	

— KEY —

C = ROCK CORE
A = AUGER SAMPLE
X = SPLIT SPOON
S = SHELBY TUBE
=
=

PROJECT Seven Mile L.F
DATE(S) DRILLLED 4-16-85
LOCATION 26+50 N, 21+80 E
GROUNDWATER: 38.0 FT. BELOW G.S. AT ELEV. OF 882.63
DRILLERS: M.P. for W.T.D. JOB NO. 473100
DATE

BORING NO. DH 25

SURFACE ELEV. 897.6 FT.

TRI-CONE + MUD - 10' Cas

AYRES ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs — 2" O.D. —FALLING 30") 6"	6"	per ft	SAMPLE TYPE	CLASSIFICATION AND REMARKS	MOISTURE GRAPHING SYMBOL	UNIFIED CLASSIFICATN	POCKET PEN. READING (TS.F)	GEOLOGY	DEPTH	ELEV.
					SAND, BLK, F, W/SOME SILT	M	SM				
1	13 9	11	20	SS	SILTY SAND, BRN, F-VF MOTTLED	M	SM			10	5
2	16 16	15	31	SS	SAND BRN-LT BRN F-M, W/ OCCASIONAL 1-2" LAYERS OF C SILT BRN	M	SM			20	10
3	16 20	18	38 R:1.0	SS						30	15
4	16 20	17	37 R 0.9	SS					ALLUVIUM	40	20
5	12 20	20	40 R 0.9	SS			SP-SM			50	25
6	25 23	19	43 R 0.8	SS	SAND, RD BRN-LT BRN, F-M, W/TRC SILT, OCCASIONAL FINE SANDSTONE FRAGMENTS		SP			60	30

—KEY—

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X = SPLIT SPOON
S = SHELBY TUBE
M = MOIST
W = WET

PROJECT SEYMOUR L.F.
DATE(S) DRILLLED 8-21-85
LOCATION 8+75.4 N & 21+53.5 E
GROUNDWATER: 25.5 FT. BELOW G.S. AT ELEV. OF 872.14 BR. NE.
DRILLERS: L. ERDMAN JOB NO.
P. Dickenson DATE

BORING NO. DH25

SURFACE ELEV. _____ FT.

AYRES ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs – 2" O.D. – FALLING 30") 6"	6"	per ft	SAMPLE TYPE	CLASSIFICATION AND REMARKS	MOISTURE GRAPHIC SYMBOL	UNIFIED CLASSIFICATN	POCKET PEN. READING (T.S.F)	GEOLOGY	DEPTH	ELEV.
7	21 23	23	48 R 0.9	SS	SAND, GRY-White, F-m, W/ SOME SAND STONE FRAGMENTS				Alluvial		35
8	21 14	21	35 R 0.8	SS			SP		Residual	15 ~~5~~	40
					SILT, VERY DK GRAY, W/SOME VF SAND, High ORG CONTENT. SLIGT ODER		ML			20 ~~10~~	45
9	6 13	9			6" SAND, GRY, C, W OCCASIONAL Pebble and ROUNDED QUARTZ GRAINS 46'		SP?				
10	21 25	20	45		EOB 45' → Sand, Lt. Brn. f. Tr. Silt SP					30 ~~20~~	50
										40	20
										50	25
										60	30

— KEY —

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S = SHELBY TUBE
M = MOIST
W = WET

R = SAMPLE RECOVERY

PROJECT _____
DATE(S) DRILLLED _____
LOCATION _____
GROUNDWATER: ____ FT. BELOW G.S. AT ELEV. OF _____
DRILLERS: _____ JOB NO. _____
_____ DATE _____

LOG OF BORING

BORING NO. DH26

MUD-TRICONE

SURFACE ELEV. 892.8 FT.

AYRES ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs – 2" O.D. – FALLING 30") 6"	6"	per ft	SAMPLE TYPE	CLASSIFICATION AND REMARKS	MOISTURE ~~GRAPHIC~~ SYMBOL	UNIFIED CLASSIFICATN	POCKET PEN. READING (T.S.F)	GEOLOGY	DEPTH	ELEV.
					SAND, DK BRN, F W/S SILT	M	SM				
1	11 16	12	28 R1.1	SS	SAND, BRN, F-M, TRC SILT	M	SP			5	5
2	17 19	18	37 R1.5	SS		M				10	10
					SAND, BRN, F-M, W/SOME SILT		SP				
3	16 36	24	50 R1.7	SS	3" LAYER V DK BRN COARSE SAND AT 16'	M				15	15
4	19 20	16	36 R1.1	SS	SILTY SAND, BRN-RDBRN, F-VF, SOME MICA GRAINS	M	SM			20	20
5	19 24	24	48 R1.2	SS						25	25
6	18 22	18	40 R1.0		SAND, LT BRN, F-M INTERBEDDED WITH 1-2" layers of C SILT	M	SM			30	30

—KEY—

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S = SHELBY TUBE
M = MOIST
W = WET

PROJECT SEYMOUR L.F.
DATE(S) DRILLED 8-22-85
LOCATION 11+06.5N & 10+29.6E
GROUNDWATER: 33.5 FT. BELOW G.S. AT ELEV. OF 859.33 BR-NE
DRILLERS: L ERDMAN JOB NO. 473.01
P. DICKENSON DATE

R = SAMPLE RECOVERY

BORING NO. DH 26 (sheet 2)

SURFACE ELEV. _____ FT.

AYRES ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs — 2" O.D. — FALLING 30") 6"	6"	per ft	SAMPLE TYPE	CLASSIFICATION AND REMARKS	MOISTURE GRAPHIC SYMBOL	UNIFIED CLASSIFICATN	POCKET PEN. READING (T.S.F)	GEOLOGY	DEPTH	ELEV.
7	100	100	100 R1.0	SS	THIN LENSES of RD. C SAND BETWEEN 35-40'.	W					35
										10	40'
8	26 36	35	71 R0.9	SS	SAND, LTBR-GRY, M-C, W/ TRC C SILTS, OCCASIONAL SANDSTONE FRAGMENTS Slight odor	W	SP				
										20	45
9	6 13	9	22 R1.2	SS							
										30	50
10	21 25	20	45 R0.8	SS							
					6" SAND, GREEN-GREENISH GRAY, M-C, W/ SANDSTONE FRAGMENTS		SP				
					EOB 50'					40	
										50	
										60	

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X = SPLIT SPOON
S = SHELBY TUBE
M = MOIST
W = WET

R = SAMPLE RECOVERY

PROJECT _____
DATE(S) DRILLLED _____
LOCATION _____
GROUNDWATER: ____ FT. BELOW G.S. AT ELEV. OF _____
DRILLERS: _____ JOB NO. _____
_____ DATE _____

BORING NO. DH 27

SURFACE ELEV. 895.5 FT.

AYRES ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs — 2" O.D. — FALLING 30") 6"	6"	per ft	SAMPLE TYPE	CLASSIFICATION AND REMARKS	MOISTURE GRAPHIC SYMBOL	UNIFIED CLASSIFICATN	POCKET PEN. READING (T.S.F.)	GEOLOGY	DEPTH	ELEV.
					TOP SOIL 0.3'						
1	4 4	6	13 R1.5	X	SAND, LT BRN, F, W/TRC SILT	M	SP			10	5
2	4 13	9	22 R1.5	X		M	SP			20	10
3	6 14	10	24 R1.3	X		M	SP			30	15
4	12 25	26	51 R1.5	X		M	SP			40	20
					22.5 SAND, BRN, F, W/50 SILT						
5	12 22	19	41 R1.5	X		M	SM			50	25
6	15 27	20	47 R1.5	X		W	SM			60	30

— KEY —

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X = SPLIT SPOON
S = SHELBY TUBE
M = MOIST
W = WET

PROJECT SEYMOUR L.F
DATE(S) DRILLED 8-14-85
LOCATION 0+14.5N & 9+21.2E
GROUNDWATER: 31.1 FT. BELOW G.S. AT ELEV. OF 863.93 BR.
DRILLERS: T. Kesy, R. Thalacker, W.T.D. JOB NO. 4731.01
DATE 8-14-85

R = SAMPLE RECOVERY

BORING NO. DH 27 (Sheet 2)

SURFACE ELEV. _____ FT.

AYRES ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs – 2" O.D. – FALLING 30") 6"	6"	per ft	SAMPLE TYPE	CLASSIFICATION AND REMARKS	MOISTURE GRAPHIC SYMBOL	UNIFIED CLASSIFICAT'N	POCKET PEN. READING (T.S.F)	GEOLOGY	DEPTH	ELEV.
7	13 29	26	55 R1.5	X	SAND, BRN, F, W/so. SILT	W	SM				35
										10	
8	5 15	11	26 R1.5	X							
										20	
9	15 25	22	47 R1.3	X	EOB 45.0						
										30	
										40	
										50	
										60	

—KEY—

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S = SHELBY TUBE
M = MOIST
W = WET

PROJECT SEYMOUR L.F (Sheet 2)
DATE(S) DRILLLED _____
LOCATION _____
GROUNDWATER: ____ FT. BELOW G.S. AT ELEV. OF _____
DRILLERS: _____ JOB NO. _____
_____ DATE _____

R : SAMPLE RECOVERY

BORING NO. DH 27A

SURFACE ELEV. 895.2 FT.

AYRES ASSOCIATES

	SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs – 2" O.D. – FALLING 30") 6"	6"	per ft	SAMPLE TYPE	CLASSIFICATION AND REMARKS	MOISTURE GRAPHIC SYMBOL	UNIFIED CLASSIFICATN	POCKET PEN. READING (T.S.F)	GEOLOGY	DEPTH	ELEV.
						SAND DK BRN M-F						
											10	
	21											
											20	
						CASING PROBE TRI CONE						
											30	
											40	
											50	
51.5	10	7 6	5	11	SS	SAND LT BR - F - VF, W/SOME SILT		SP-SM				
55'	11	12 6	9	15		SILT BR W/SOME VF SAND, Trace CLAY. Few BLK ORG. Fibers. THIN SAND SEAM AT 56'		ML				
61.5'	12	12	12	24	SS	SAND GRAY W/SILT		SM			60	
						THIN Seam C SAND W/ few GRAVELS, THIN Seam CL.		SP/GP				
64.5-65'	13	-	-	100		SANDSTONE LT BR M-F						

— KEY —

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X = SPLIT SPOON
S = SHELBY TUBE
M = MOIST
W = WET

PROJECT SEYMOUR L.F.
DATE(S) DRILLLED 8-14-85
LOCATION 0+14.5N & 9+21.2E
GROUNDWATER: 40.3 FT. BELOW G.S. AT ELEV. OF 854.88 BR - 8307
DRILLERS: W/S. T. Drilling JOB NO. 4731.01
T Kesy DATE 8-14-85
R. Thalacker

R = SAMPLE RECOVERY

LOG ___ OF ___

BORING NO. DH 28

SURFACE ELEV. 893.0 FT.

Tri-Cone + Mud below 10'

AYRES ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs — 2" O.D. —FALLING 30") 6"	6"	per ft.	SAMPLE TYPE	CLASSIFICATION AND REMARKS	~~MOISTURE GRAPHIC SYMBOL~~	UNIFIED CLASSIFICATN	POCKET PEN. READING (T.S.F)	GEOLOGY	DEPTH	ELEV.
					NO TOP SOIL						
1	5 9	7	16 R 1.4	SS	SAND, BRN-LT BRN, F-VF WITH OCCASIONAL 1-2" C SILT LAYERS	M	SM			5 ~~10~~	
2	10 18	19	37 R 1.4	SS						10 ~~20~~	
3	10 14	12	26 R 1.0	SS						15 ~~30~~	
4	9 14	11	25 R 0.9	SS						20 ~~40~~	
					SAND, LT BR-RD F-VF TRC SILT		SP			25 ~~50~~	
5	11 15	13	28 R .7		SAND, LT BR-GRAY, F-M TRC SILT		SP			30 ~~60~~	
6	17 18	18	36 R .5								
					SAND, white-GRAY, M-F TRC SILT		SP				

—KEY—

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X = SPLIT SPOON
S = SHELBY TUBE
M = MOIST
W = WET

PROJECT SEYMOUR L.F.
DATE(S) DRILLLED 8-20-85
LOCATION 10+47.3 N & 16+95.3 E
GROUNDWATER: 23.5 FT. BELOW G.S. AT ELEV. OF 869.54 BR NE
DRILLERS: L. ERDMAN JOB NO. 4731.01
P. DICKENSON DATE

R = SAMPLE RECOVERY

BORING NO. DH28 (Sheet 2)

SURFACE ELEV. _____ FT.

AYRES ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs – 2" O.D. – FALLING 30") 6"	6"	per ft	SAMPLE TYPE	CLASSIFICATION AND REMARKS	MOISTURE & GRAPHIC SYMBOL	UNIFIED CLASSIFICATN	POCKET PEN. READING (T.S.F)	GEOLOGY	DEPTH	ELEV.
7	13 16	15	31 R1.0	SS	Strong oder. Putrification						35
										10	40
8	13 19	17	36 R1.2	SS	strong oder						
										20	25
9	16 24	21	45 R1.2	SS	EOB 45' Strong oder						
										30	15
										40	20
										50	25
										60	30

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W = WET

PROJECT _____
DATE(S) DRILLLED _____
LOCATION _____
GROUNDWATER: ____ FT. BELOW G.S. AT ELEV. OF _____
DRILLERS: _____ JOB NO. _____
_____ DATE _____

BORING NO. DH-29

SURFACE ELEV. 907.90 FT.

AYRES ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs — 2" O.D. —FALLING 30") 6"	6"	per ft	SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICATN	POCKET PEN. READING (T.S.F.)	GEOLOGY	DEPTH	ELEV.
					Topsoil - 0.5 - Sand Dk. Brn - tr/silt						HSA - 1
1	4 10	5	15 R 1.1	X	Sand, Rd. Brn, M-F	M	SP			10	5
2	7 15	10	25 R 1.2	X	A.A. w/tr. silt	M	SP			20	10
3	100	—	100 0.7	X	Sandstone - M-F Lt. Brn. -	D	SP.			30	15
4	0	1.3	100 R 2	X	Rd to Lt. Brn. sand, M-F, Rd - to Tan - S.S (M-F) Weather	D	SP.			40	20
5	0	0.7	100 R 0.5	X	Sandstone. weathered, Rd to tan - F-M	M	SP			50	25
6	100	.4	100 0.3	X	Sand stone, weathered, fine, white to yellow	D	SP			60	30

(Cont.)

— KEY —

C = ROCK CORE
A = AUGER SAMPLE
X = SPLIT SPOON
S = SHELBY TUBE
=
=

PROJECT EC County - Seven Mile L.E
DATE(S) DRILLLED 2-26-86
LOCATION 0+00 N, 15+00 E
GROUNDWATER: 46 FT. BELOW G.S. AT ELEV. OF 861.9
DRILLERS: L.E. JOB NO.
DATE

BORING NO. DH-29 (Cont.)

SURFACE ELEV. 907.90 FT.

AYRES ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs – 2" O.D. – FALLING 30") 6"	6"	per ft	SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICAT'N	POCKET PEN. READING (T.S.F.)	GEOLOGY	DEPTH	ELEV.
7	100	.4	100 R0.4	Y	Sandstone, wht-yellow M-F	D	SP				35
8	100	0.3	100 R0.2	X	A.A. – Red	D	SP			10	40
9	100	0.4	100 R0.3	Y	A.A. – Wht. ▽	M	SP			20	45
10	100	0.5	100 R0.4	X	A.A. Wht-Lt. Brn	W	SP			30	50
11	100	0.3	100 R0.3	X	A.A.	W	SP			40	55
					Silty Layer – Rd to Brn.	W					
12	100	.8	100 R0.5	Y	E.O.B. 60.8					50	60
										60	

— KEY —

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A = AUGER SAMPLE
X = SPLIT SPOON
S = SHELBY TUBE
=
=

PROJECT E.C. Cty.
DATE(S) DRILLLED 2-26-85
LOCATION
GROUNDWATER: 46.0 FT. BELOW G.S. AT ELEV. OF 861.9
DRILLERS: JOB NO.
DATE

BORING NO. DH-30

SURFACE ELEV. 909.58 FT.

AYRES ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs — 2" O.D. —FALLING 30") 6"	6"	per ft.	SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICAT'N	POCKET PEN. READING (T.S.F.)	GEOLOGY	DEPTH	ELEV.
					Topsoil - 0.2' Sand, Dk Brn. M-F,						HSA
1	10 19	15	34 R 1.1	X	Sand, Lt. Brn-Rd, F-M	M	SP			10	5
2	8 16	10	28 R 1.3	X		M	SP			20	10
3	100	.8	100 R 0.7	X	Weathered S.S. Red to Lt. Brn. uniform Fine	D	SP			30	15
4	100	0.6	100 R 0.6	X		D	SP			40	20
					Sandstone, Red to Lt. Brn. Fine -						
5	100	0.4	100 R 0.2	X		D	SP			50	25
6	100	0.5	100 R 0.4	X		D	SP			60	30
					(Cont.)						

—KEY—

C = ROCK CORE
A = AUGER SAMPLE
X = SPLIT SPOON
S = SHELBY TUBE
=
=

PROJECT E.C. County, Seven Mile L.F
DATE(S) DRILLLED 2-26-86, - 2-27-86 - Set wells
LOCATION 1400N, 21+40E
GROUNDWATER: 46.5 FT. BELOW G.S. AT ELEV. OF 863.08
DRILLERS: L.E for W.T.D. JOB NO.
DATE

BORING NO. DH-30 (Cont.)

SURFACE ELEV. 909.58 FT.

AYRES ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs – 2" O.D. – FALLING 30") 6"	6"	per ft.	SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICAT'N	POCKET PEN. READING (T.S.F.)	GEOLOGY	DEPTH	ELEV.
7	100	0.3	100 R0.2	X	Sandstone, Rd to Brn. Fine,	D	SP			35	
8	100	0.3	100 R0.2	X	A.A	D	SP			40	
9	100	0.2	100 R0.2	X	A.A	W	SP			45	
					A.A.						
10	100	0.3	100 R0.2	X	↓	W				50	
					Silty, Rd. to Brn – ML						
11	100	0.4	100 R0.4	X		D	ML			55	
					Sandstone, Red to Brn – Fine	W	SP				
12	100	0.5	100 R0.5	X	E.O.B. 60.5'					60	
										60	

— KEY —

C = ROCK CORE
A = AUGER SAMPLE
X = SPLIT SPOON
S = SHELBY TUBE
=
=

PROJECT
DATE(S) DRILLLED 2-20
LOCATION
GROUNDWATER: 46.5 FT. BELOW G.S. AT ELEV. OF 863.08
DRILLERS: JOB NO.
DATE

BORING NO. DH-31

SURFACE ELEV. 906.6 FT.

AYRES ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs – 2" O.D. – FALLING 30") 6"	6"	per ft.	SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICAT'N	POCKET PEN. READING (T.S.F)	GEOLOGY	DEPTH	~~ELEV.~~
					Top Soil 0.6' Sand, Dk Brn. Tr. Silt						HSA
1	5 10	10	20 R1.0	X	Sand, Rd. Brn. Fine, w/tr. silt	M	SP			10	5
2	7 15	11	26 R1.1	X	A.A - F-M, no silt	M	SP			20	10
3	100	1.5	100 R1.2	X	Weathered S.S. Rd to Brn. Fine,	M	SP			30	15
4	100	0.5	100 R0.9	X	Sandstone, Rd to Lt. Brn Fine	D	SP			40	20
5	100	0.4	100 R0.3	X	Sandstone, yel-wht, fine	D	SP			50	25
6	100	0.5	100 R0.5	X	A.A. wht.	D	SP			60	30

—KEY—

C = ROCK CORE
A = AUGER SAMPLE
X = SPLIT SPOON
S = SHELBY TUBE
=
=

PROJECT E.C. County Seven Mile L.F.
DATE(S) DRILLLED 2-27-86
LOCATION 6750 N, 1600 E
GROUNDWATER: 46.5 FT. BELOW G.S. AT ELEV. OF 860.1
DRILLERS: L.F. JOB NO.
DATE

BORING NO. DH-31 (Cont)

SURFACE ELEV. 906.6 FT.

AYRES ASSOCIATES

SAMPLE NUMBER	BLOWS ON SAMPLER (140 lbs – 2" O.D. – FALLING 30") 6"	6"	per ft.	SAMPLE TYPE	CLASSIFICATION AND REMARKS	Moisture	UNIFIED CLASSIFICAT'N	POCKET PEN. READING (T.S.F.)	GEOLOGY	DEPTH	ELEV.
7	100	0.5	100 R0.4	X	Sandstone - wht, m-f,	D	SP			1	35
8	100	0.3	100 R0.3	X	A.A	D	SP			10	40
9	100	0.2	100 R0.1	X	A.A	M	SP			20	45 ▽
10	100	0.8	100 R0.0	X	A.A	W	SP			30	50
11	100	0.4	100 R0.4	X	A.A - Lt. Brn,					40	55
12	100	0.4	100 R0.0	X	A.A.					50	60
13	100	0.4	100 R0.0	X	A.A.					60	65
					E.O.B. 65.0						

— KEY —

C = ROCK CORE
A = AUGER SAMPLE
X = SPLIT SPOON
S = SHELBY TUBE
=
=

PROJECT
DATE(S) DRILLLED 2-27-86
LOCATION
GROUNDWATER: 46.5 FT. BELOW G.S. AT ELEV. OF 860.1
DRILLERS: JOB NO.
DATE

WISCONSIN TEST DRILLING, INC.

FIELD BORING LOG

Sheet 1 Of 1

SCHOFIELD, WISCONSIN

FOR Ayres 7 Mile Landfill

LOCATION Eau Claire, WI Elev.

Job No. 1413

Boring No. MW-32

GROUND WATER				
While drilling		Time after drilling	2 hr.	
Before casing removal		Depth to water	26.0'	
After casing removal		Depth to cave-in		

Start 9-27-88
Unit 805
Chief LE

Casing/Probe
Weight 140#
Drop 30"

Sample No.	Moisture	Blows on Sampler 0/6	6/12	Sample Recovery	Total Blows	VISUAL FIELD CLASSIFICATION AND REMARKS	Unconfined Strength	Boulders	Blows on Casing Size	Blows on Probe Size	Drilling Method
						TOPSOIL 0.5'					HSA
						Dark Brown M-F SAND, With Silt SP/SM					
1	D	8	8								
		11		1.4	19	← fine brown sands SP					
2	M/W	5	4								
		6		1.2	10	11.0'					
						Red to Brown SILT, Trace Uniform Fine Sand SM					
3	D	12	15			15.5'					
		22		1.1	37	Brown Uniform Fine SAND SP					
4	D	10	18								
		40		.9	58						
5	W	11	12								
		21		1.3	33						
						29.0'					
6	W	5	6			Gray SILT, Trace Uniform Fine Sand SM					
		8		1.0	14						
7	W	3	4			35.0'					
		5		1.2	9	Red to Brown SILT ML					
						38.5'					
						Red to Brown Uniform Fine SAND SP					
8	W	2	4								
		8		1.2	12	E.O.B. @ 41.5'					
						Well Set @ 37.0'					
						Cement/Bentonite Grout 17.0'					

WISCONSIN TEST DRILLING, INC.

FIELD BORING LOG

Sheet 1 Of 1

SCHOFIELD, WISCONSIN

FOR Ayres 7 Mile Landfill

LOCATION Eau Claire, Wi Elev.

Job No. 1413

Boring No. MW-33

GROUND WATER				
While drilling		Time after drilling	20 Hr.	
Before casing removal		Depth to water	32.0'	
After casing removal		Depth to cave-in		

Start 9-28-88
Unit 805
Chief LE

Casing/Probe
Weight 140#
Drop 30"

Sample No.	Moisture	Blows on Sampler 0/6	Blows on Sampler 6/12	Sample Recovery	Total Blows	VISUAL FIELD CLASSIFICATION AND REMARKS	Unconfined Strength	Boulders	Blows on Casing Size	Blows on Probe Size	Drilling Method
						TOPSOIL 0.5' Dk.Brn Sand, W/Silt					HSA
						Red to Brown M-F SAND SP					
						5 — 5.5' — 5					
1	M	6	7								
		7		1.4	14	Red to Brown SILT, Trace Uniform Fine Sand SM					
						10					
2	M	3	5								
		6		1.5	11	11.5'					
						Red to Brown M-F SAND, Trace Silt SP/SM					
						15					
3	M	6	7								
		9		1.0	16						
						20					
4	M	8	12								
		17		1.2	29						
						25					
5	M	9	13								
		17		1.3	30						
						30					
6	W	13	13								
		17		1.0	30						
						35					
7	W	8	10								
		7		1.1	17						
						40					
8	W	9	5								
		2		1.2	7	gray silt E.O.B.@42.0' ML					
						Well @ 42.0'					
						45 Cement/Bentonite Grout 20.0'					

WISCONSIN TEST DRILLING, INC.

FIELD BORING LOG

Sheet 1 Of 2

SCHOFIELD, WISCONSIN

FOR Ayres 7 Mile Landfill

LOCATION Eau Claire, WI Elev.

Job No. 1413

Boring No. MW-33A

GROUND WATER				
While drilling		Time after drilling		
Before casing removal		Depth to water		
After casing removal		Depth to cave-in		

Start 9-28-88
Unit 805
Chief LE

Sample No.	Moisture	Blows on Sampler 0/6	Blows on Sampler 6/12	Sample Recovery	Total Blows	VISUAL FIELD CLASSIFICATION AND REMARKS	Casing/Probe Weight 140# Drop 30"	Unconfined Strength	Boulders	Blows on Casing Size	Blows on Probe Size	Drilling Method
												HSA
						See Log MW-33						
						5	5					
						10	10					
						15	15					
						20	20					
						25	25					
						30	30					
						35	35					
						40	40					
1	W	3	2			45	45					
		6		1.2	8	45.0' Brown SILT ML						
						49.0' Red-Brown C-F SAND SW						

WISCONSIN TEST DRILLING, INC.

FIELD BORING LOG

Sheet 2 Of 2

SCHOFIELD, WISCONSIN

FOR Ayres 7 Mile Landfill

LOCATION Eau Claire, WI Elev.

Job No. 1413

Boring No. MW-33A

GROUND WATER			
While drilling		Time after drilling	24 Hr.
Before casing removal		Depth to water	28.0'
After casing removal		Depth to cave-in	

Start 9-28-88
Unit 805
Chief LE

Casing/Probe
Weight 140#
Drop 30"

Sample No.	Moisture	Blows on Sampler 0/6	Blows on Sampler 6/12	Sample Recovery	Total Blows	VISUAL FIELD CLASSIFICATION AND REMARKS	Unconfined Strength	Boulders	Blows on Casing Size	Blows on Probe Size	Drilling Method
2	W	9	7			51.0'					HSA
		17		1.2	24	Weathered C-F SANDSTONE					
3	W	4	3			55					
		2		.6	5						
4	W			1.0		60					
						65					
						65.5' SANDSTONE					
						E.O.B. @ 67.0'					
						Well Set @ 66.7'					
						Cement/Bentonite Grout 56.5'					
						70					
						75					
						80					
						85					
						90					
						95					

WISCONSIN TEST DRILLING, INC.

FIELD BORING LOG

Sheet 1 Of 1

SCHOFIELD, WISCONSIN

FOR Ayres 7 Mile Landfill

OCATION Eau Claire, WI Elev.

Job No. 1413

Boring No. MW-34

GROUND WATER				
While drilling		Time after drilling	1 hr.	
Before casing removal		Depth to water	35.5'	
After casing removal		Depth to cave-in		

Start 9-30-88
Unit 805
Chief LE

Sample No.	Moisture	Blows on Sampler 0/6	Blows on Sampler 6/12	Sample Recovery	Total Blows	VISUAL FIELD CLASSIFICATION AND REMARKS	Casing/Probe Weight 140# Drop 30"	Unconfined Strength	Boulders	Blows on Casing Size	Blows on Probe Size	Drilling Method
						TOPSOIL 0.5' Dk.Brn Sand, w/Silt						HSA
						Red to Brown M-F SAND SP						
1	M	8	6			5 ←sandy silt red layer SM						
		12		1.3	18							
2	M	8	8			10						
		8		1.1	16	11.0'						
						Red to Brown M- F SAND, W/Silt Layers SP w/ ML						
3	M	8	15			15						
		20		1.2	35							
4	M	8	15			20						
		17		1.3	32							
5	M	14	12			25						
		16		1.2	28							
6	M	16	11			30						
		15		1.0	26							
7	W	21	14			35						
		22		1.1	36							
						38.0'						
						Brown M-F SAND SP						
8	W	26	32			40						
		31		1.2	63							
9	W	8	14			45						
		12		1.0	26							
						E.O.B. @ 46.5'						
						Well Set @ 45.0'						
						Cement/Bentonite Grouted 22.0'						

WISCONSIN TEST DRILLING, INC.

FIELD BORING LOG

Sheet 1 Of 2

SCHOFIELD, WISCONSIN

FOR Ayres

LOCATION 7 Mile Landfill, Eau Claire, WI

Elev.

Job No. 1413

Boring No. MW-35

GROUND WATER				
While drilling		Time after drilling	24 Hr.	
Before casing removal		Depth to water	45.4'	
After casing removal		Depth to cave-in		

Start 10-3-88
Unit 805
Chief LE

Casing/Probe
Weight 140#
Drop 30"

Sample No.	Moisture	Blows on Sampler 0/6	Blows on Sampler 6/12	Sample Recovery	Total Blows	VISUAL FIELD CLASSIFICATION AND REMARKS	Unconfined Strength	Boulders	Blows on Casing Size	Blows on Probe Size	Drilling Method
						TOPSOIL - Dk. Brn 1.0' SAND, W/Silt SP|SM					HSA
						Red to Brown M-F SAND, Trace Silt SP|SM					
1	M	6	5								
		4		1.4	9						
2	M	8	4								
		5		1.3	9						
3	M	13	5								
		9		1.2	14						
4	M	11	7								
		11		1.2	18						
5	M	15	10								
		14		1.3	24						
6	M	18	15								
		16		1.3	31						
						33.0' Red to Brown M-F SAND SP					
7	M	15	17								
		21		1.0	38						
8	M	31	30								
		35		1.2	65						
9	W	23	28								
		30		1.3	58						

WISCONSIN TEST DRILLING, INC.

SCHOFIELD, WISCONSIN

FIELD BORING LOG

Sheet 2 Of 2

FOR Ayres

LOCATION 7 Mile Landfill, Eau Claire, WI

Elev.

Job No. 1413

Boring No. MW-35

GROUND WATER: While drilling; Before casing removal; After casing removal

Time after drilling 24 hr.

Depth to water 45.4'

Depth to cave-in

Start 10-3-88

Unit 805

Chief LE

Casing/Probe

Weight 140#

Drop 30"

Sample No.	Moisture	Blows on Sampler 0/6	Blows on Sampler 6/12	Sample Recovery	Total Blows	Visual Field Classification and Remarks	Unconfined Strength	Boulders	Blows on Casing Size	Blows on Probe Size	Drilling Method
10	W	15	23								HSA
		25		1.1	48						
						55					
						60 — E.O.B. @ 60.0'					
						Well Set @ 58.5'					
						Cement/Bentonite Grouted 39.0'					
						65					
						70					
						75					
						80					
						85					
						90					
						95					

WISCONSIN TEST DRILLING, INC.

FIELD BORING LOG

Sheet 1 Of 2

SCHOFIELD, WISCONSIN

FOR Ayres 7 Mile Landfill

LOCATION Eau Claire, WI Elev.

Job No. 1413

Boring No. MW-35A

GROUND WATER				
While drilling		Time after drilling	5 hr.	
Before casing removal		Depth to water	44.8'	
After casing removal		Depth to cave-in		

Start 10-3-88
Unit 805
Chief LE

Sample No.	Moisture	Blows on Sampler 0/6	Blows on Sampler 6/12	Sample Recovery	Total Blows	VISUAL FIELD CLASSIFICATION AND REMARKS	Casing/Probe Weight 140# Drop 30"	Unconfined Strength	Boulders	Blows on Casing Size	Blows on Probe Size	Drilling Method
						See Log MW-35						HSA

5 10 15 20 25 30 35 40 45

WISCONSIN TEST DRILLING, INC.

FIELD BORING LOG

Sheet 2 Of 2

SCHOFIELD, WISCONSIN

OR Ayres

LOCATION 7 Mile Landfill, Eau Claire, WI Elev.

Job No. 1413

Boring No. MW-35A

GROUND WATER: While drilling; Before casing removal; After casing removal; Time after drilling 5 hr.; Depth to water 44.8'; Depth to cave-in

Start 10-3-88
Unit 805
Chief LE

Casing/Probe
Weight 140#
Drop 30"

Sample No.	Moisture	Blows on Sampler 0/6	Blows on Sampler 6/12	Sample Recovery	Total Blows	Depth	VISUAL FIELD CLASSIFICATION AND REMARKS	Unconfined Strength	Boulders	Blows on Casing Size	Blows on Probe Size	Drilling Method
												HSA
							53.0' Brown to Gray M-F SAND, Trace Silt SP|SM					
1	W	7	9			55						
		13		1.1	22							
2	W	12	23			60						
		28		1.0	51							
3	W	13	14			65						
		17		.3	31							
4	W	15	10			70						
		21		1.1	31							
5	W	19	24			75						
		36		1	60							
						80	possible weathered sandstone					
						85	E.O.B. @ 85.0'					
							Well Set @ 83.0'					
							Cement/Bentonite Grouted 63.3'					
						90						
						95						

WISCONSIN TEST DRILLING, INC.

FIELD BORING LOG

Sheet 1 Of 2

SCHOFIELD, WISCONSIN

FOR Ayres 7 Mile Landfill

LOCATION Eau Claire, WI Elev.

Job No. 1413

Boring No. MW-36

GROUND WATER			
While drilling		Time after drilling	2 hr.
Before casing removal		Depth to water	45.3'
After casing removal		Depth to cave-in	

Start 10-4-88
Unit 805
Chief LF

Sample No.	Moisture	Blows on Sampler 0/6	Blows on Sampler 6/12	Sample Recovery	Total Blows	VISUAL FIELD CLASSIFICATION AND REMARKS	Casing/Probe Weight 140# Drop 30"	Unconfined Strength	Boulders	Blows on Casing Size	Blows on Probe Size	Drilling Method
						Red to Brown M-F SAND SP						HSA
1	M	4	6									
		8		1.3	14							
2	M	6	4									
		4		1.2	8							
3	M	8	3									
		4		1.3	7							
4	M	2	1									
		1		1.3	2							
						24.0'						
5	M	9	12			Red to Brown M-F SAND, Trace Silt SP/SM						
		17		1.2	29							
6	M	8	8									
		11		1.1	19							
						33.0'						
						Brown M-F SAND SP						
7	M	18	23									
		26		1.0	49							
8	M	13	17									
		23		1.1	40							
9	W	9	12									
		15		1.2	27							

WISCONSIN TEST DRILLING, INC.

FIELD BORING LOG

SCHOFIELD, WISCONSIN

Sheet 2 Of 2

OR Ayres

LOCATION 7 Mile Landfill, Eau Claire, WI Elev.

Job No. 1413

Boring No. MW-36

GROUND WATER: While drilling; Before casing removal; After casing removal

Time after drilling 2 hr.

Depth to water 45.3'

Depth to cave-in

Start 10-4-88

Unit 805

Chief LE

Casing/Probe

Weight 140#

Drop 30"

Sample No.	Moisture	Blows on Sampler 0/6	Blows on Sampler 6/12	Sample Recovery	Total Blows	Visual Field Classification and Remarks	Unconfined Strength	Boulders	Blows on Casing	Blows on Probe	Drilling Method
10	W	8	15								
		24		1.2	39						HSA
11	W	7	12								
		19		1.1	31						
12	W	19	27								
		30		2.2	57						

55

60

E.O.B. @ 61.5'

Well Set @ 88.5'

65

Cement/Bentonite Grouted 36.0'

70

75

80

85

90

95

WISCONSIN TEST DRILLING, INC.

FIELD BORING LOG

Sheet 1 Of 1

SCHOFIELD, WISCONSIN

FOR Ayres 7 Mile Landfill

LOCATION Eau Claire, WI Elev.

Job No. 1413

Boring No. MW-38

GROUND WATER: While drilling ____ Time after drilling ____ ____
Before casing removal ____ Depth to water ____ ____
After casing removal ____ Depth to cave-in ____ ____

Start 10-5-88
Unit 805
Chief LE

Casing/Probe ____ Weight 140# Drop 30"

Sample No.	Moisture	Blows on Sampler 0/6	Blows on Sampler 6/12	Sample Recovery	Total Blows	Depth	VISUAL FIELD CLASSIFICATION AND REMARKS	Unconfined Strength	Boulders	Blows on Casing Size	Blows on Probe Size	Drilling Method
							TOPSOIL - Dk.Brn 0.8' SAND, W/Silt SP/SM					HSA
							Red to Brown M-F SAND SF					
1	M	9	7			5						
		10		1.3	17							
2	M	10	5			10						
		9		1.2	14							
							12.5'					
							Red to Brown M-F SAND, Trace Silt SP/SM					
3	M	7	10			15						
		11		1.1	21							
4	M	4	18			20						
		19		1.2	37							
5	M	9	9			25						
		18		1.1	27							
6	M	12	12			30						
		17		1.1	29							
							33.0'					
7	M	18	10			35	Red to Brown M-F SAND, W/Silt & Clay, Trace Gravel, With Sandstone SP/SM					
		21		1.0	31							
8	M	24	18			40						
		26		1.0	44							
						45	45.0'					
9	M	0	0				Gray to Brown Silty SAND SP/SM					
		15		1.4	15							

WISCONSIN TEST DRILLING, INC.

FIELD BORING LOG

SCHOFIELD, WISCONSIN

Sheet 2 Of 2

DR Ayres

7 Mile Landfill

LOCATION Eau Claire, WI Elev.

Job No. 1413

Boring No. MW-38

GROUND WATER: While drilling ____ Time after drilling ____ ____
Before casing removal ____ Depth to water ____ ____
After casing removal ____ Depth to cave-in ____ ____

Start 10-5-88
Unit 805
Chief LE

Casing/Probe ____
Weight 140#
Drop 30"

Sample No.	Moisture	Blows on Sampler 0/6	6/12	Sample Recovery	Total Blows	Depth	VISUAL FIELD CLASSIFICATION AND REMARKS	Unconfined Strength	Boulders	Blows on Casing Size	Blows on Probe Size	Drilling Method
10	M	5	8									
		12		14	20							HSA
						55						
11	W	11	10									
		10		12	20							
							58.0'					
							Brown M-F SAND SP					
12	W	100/	1.0	10	100	60						
							64.0'					
13		100/	.1	0		65	SANDSTONE					
						70						
							E.O.B. @ 71.0'					
							Well Set @ 69.0'					
						75	Cement/Bentonite Grouted 38.5'					
						80						
						85						
						90						
						95						

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 5-97

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Onyx-Superior Seven Mile Creek Landfill	3097	DH-39

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
Boart Longyear - D. Morris	11/6/2002	11/6/2002	4 1/4" HSA

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
PE 154		DH-39	884.7 Feet MSL	924.7 Feet MSL	8.0 Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
NE 1/4 of SE 1/4 of Section 8, T 27 N, R 8 W
Lat. ___ ° ___ ' ___ "
Long. ___ ° ___ ' ___ "
Local Grid Location (If applicable)
☒ N ☒ E
3746.589 Feet ☐ S 2160.532 Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
618045450	Eau Claire	18	Town of Seymour

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	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GS	24			TOPSOIL										Alluvium
			2	Very dark gray brown fine sand w/ silt 10YR3/2	SM									
			4											
2 SS	24 24	9 6 5 6	6	Dark yellow brown fine sand w/ silt 10YR4/4	SM					M			23.1	Alluvium
				2" silt lense at 6.75'	ML									
			8		SP-SM									
3 SS	24 18	8 17 20 50	10 12	Brown fine sand some silt 10YR5/3	SP-SM					M				Alluvium
			14											
4 SS	24 15	10 11 14 15	16	Light yellow brown fine sand some silt 10YR6/4	SP-SM					M				Alluvium
			18											
5 SS	24 18	3 12 18 16	20 22	Light yellow brown fine sand some silt 10YR6/4	SP-SM					M				Alluvium
			24											

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

Signature *Frank Maenner* Firm Ayres Associates

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT

Form 4400-122A

Boring Number DH-39 Use only as an attachment to Form 4400-122.

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	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
					SP-SM									
6 SS	24 18	7 15 20 20	26 28	Brownish yellow fine sand some silt 10YR6/6	SP-SM					M				Alluvium
7 SS	24 15	19 21 26 22	30 32 34	Very pale brown fine sand, some silt 10YR7/4	SP-SM					M				Alluvium
8 SS	24 15	20 16 18 22	36 38	Brownish yellow fine sand, some silt 10YR6/8	SP-SM					M				Alluvium
9 SS	24 12	15 23 32 28	40 42 44	Light yellow brown fine sand, little silt 10YR6/4	SP					M			1.8	Alluvium
10 SS	24 15	12 17 23 37	46 48	Yellow brown fine sand, little silt 10YR5/6	SP					W			4.7	Alluvium
11 SS	24 10	22 21 26 30	50 52	Yellow brown fine sand, little silt 10YR5/6	SP					W				Alluvium

End of Boring at 52' (elevation = 872.7);
Well set at 49' (elevation = 875.7)
Ground water elevation 1/28/03 = 881.66

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 5-97

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Onyx-Superior Seven Mile Creek Landfill	3097	DH-39A

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
Boart Longyear - D. Morris	11/6/2002	11/6/2002	4 1/4" HSA

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
PE 155		DH-39A	884.7 Feet MSL	924.7 Feet MSL	8.0 Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
NE 1/4 of SE 1/4 of Section 8, T 27 N, R 8 W

Lat. ___ ° ___ ' ___ "
Long. ___ ° ___ ' ___ "

Local Grid Location (If applicable)
3739.79 Feet ☒ N ☐ S 2159.398 Feet ☒ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
618045450	Eau Claire	18	Town of Seymour

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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				Blind drill to 54'; See DH-39 boring logs for soil descriptions										
			3											
			6											
			9											
			12											
			15											
			18											
			21											
			24											
			27											
			30											
			33											
			36											

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT

Form 4400-122A

Boring Number DH-39A Use only as an attachment to Form 4400-122.

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	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			39, 42, 45, 48, 51	Blind drill to 54'; See DH-39 boring logs for soil descriptions										
1 SS	24 10	12 12 19 15	54, 57	Dark brown fine sand, little silt 10YR4/3	SP					W				Alluvium
2 SS	24 12	11 18 18 24	60, 63	Yellow brown fine sand, little silt 10YR5/4	SP					W				Alluvium
3 SS	24 0	18 17 15 15	66, 69	No recovery	SP					W				Alluvium
4 SS	12 3	30 56	72, 75	Brownish yellow friable sandstone 10YR6/6						W				Residual
				End of Boring at 75' (elevation = 849.7); Well set at 74' (elevation = 850.7) Ground water elevation 1/28/03 = 881.55										

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 5-97

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Onyx-Superior Seven Mile Creek Landfill	3097	DH-40

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
Boart Lonygear - D. Morris	11/5/2002	11/5/2002	4 1/4" HSA

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
PE 156		DH-40	884.1 Feet MSL	924.1 Feet MSL	8.0 Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
NE 1/4 of SE 1/4 of Section 8, T 27 N, R 8 W

Lat. ___ ° ___ ' ___ "
Long. ___ ° ___ ' ___ "

Local Grid Location (If applicable)
3289.332 Feet ☒ N ☐ S 2190.129 Feet ☒ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
618045450	Eau Claire	18	Town of Seymour

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	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 SS	24 20	1 2 2 3	2	TOPSOIL						M				Alluvium
				Dark yellow brown fine sand, some silt 10YR4/4	SP-SM									
2 SS	24 20	7 12 11 10	4 6 8	Light yellow brown fine sand, some silt 10YR5/5	SP-SM					M				Alluvium
3 SS	24 20	6 6 8 11	10	Light yellow brown fine sand, some silt 10YR5/5	SP-SM					M				Alluvium
			12	Light yellow brown fine sand with silt 10YR5/5	SM									
				Light yellow brown fine sand, some silt 10YR5/5	SP-SM									
4 SS	24 18	6 10 12 14	14 16 18	Light yellow brown fine sand, some silt 10YR6/5	SP-SM					M				Alluvium
5 SS	24 18	9 10 20 22	20 22 24	Light yellow brown fine sand, some silt 10YR6/4	SP-SM					M				Alluvium

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Signature *Frank Maenner* Firm Ayres Associates

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT

Form 4400-122A

Boring Number DH-40 Use only as an attachment to Form 4400-122.

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	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
6 SS	24 14	10 20 31 28	26 28	Light yellow brown fine sand, some silt 10YR6/4	SP-SM					M				Alluvium
7 SS	24 16	9 15 25 40	30 32	Very pale brown fine sand, some silt 10YR8/3	SP-SM					M				Alluvium
8 SS	18 15	10 31 50	34 36 38	Very pale brown fine sand, some silt, trace friable sandstone fragments 10YR7/4	SP-SM					M				Alluvium
9 SS	12 5	19 50/.4	40	Very pale brown friable weathered sandstone 10YR8/3						M				Residual
			42	Red yellow friable weathered sandstone 7.5YR6/6										
10 SS	6 4	50/.3	44 46	Very pale brown friable weathered sandstone 10YR7/4						W				Residual
			48	Very pale brown friable weathered sandstone 10YR7/4										
11 SS	6 3	53	50							W				Residual
			52	Very pale brown friable weathered sandstone 10YR7/4										
12 SS	6 2	50/.2	54							W				Residual
			56	Red yellow friable weathered sandstone 7.5YR6/6										
13 SS	24 12	17 9 10 9	58							W				Residual

End of Boring at 59' (elevation = 865.1)
Well set at 49' (elevation = 875.1)
Ground water elevation 1/28/03 = 881.56

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 5-97

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Onyx-Superior Seven Mile Creek Landfill	3097	DH-41

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
Boart Lonygear - P. Dickinson	11/12/2002	11/12/2002	4 1/4" HSA

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
PE 106		DH-41	868.7 Feet MSL	906.7 Feet MSL	8.0 Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
NW 1/4 of SE 1/4 of Section 8, T 27 N, R 8 W

Lat. ___ ° ___ ' ___ "
Long. ___ ° ___ ' ___ "

Local Grid Location (If applicable)
2875.582 Feet ☒ N ☐ S
704.78 Feet ☒ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
618045450	Eau Claire	18	Town of Seymour

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	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 SS	24 20	3 7 10 10	2 4	TOPSOIL Very dark gray brown silt with fine sand 10YR3/2	SM					M				Alluvium
2 SS	24 20	3 10 10 14	6 8	Light yellow brown fine sand, some silt 10YR6/4	SP-SM					M				Alluvium
3 SS	24 20	4 10 10 15	10 12 14	Light yellow brown fine sand, some silt 10YR6/4	SP-SM					M				Alluvium
4 SS	24 20	5 8 14 14	16 18	Light yellow brown fine sand, some silt 10YR6/4	SP-SM					M				Alluvium
5 SS	24 30	8 15 20 21	20 22 24	Very pale brown fine sand, some silt 10YR7/3	SP-SM					M				Alluvium

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Signature Frank Maenner
Firm Ayres Associates

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT

Form 4400-122A

Boring Number DH-41 Use only as an attachment to Form 4400-122.

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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
					SP-SM									
6 SS	24 18	11 14 18 22	26 28	Pale brown fine sand, some silt 10YR6/3	SP-SM					M				Alluvium
7 SS	24 18	13 14 22 27	30 32 34	Very pale brown fine sand, some silt 10YR7/3	SP-SM					M				Alluvium
8 SS	24 18	10 11 17 20	36 38	Very pale brown fine sand, some silt 10YR7/3	SP-SM					M			6.2	Alluvium
9 SS	24 18	7 10 19 29	40 42 44	Very pale brown fine sand, little silt 10YR7/4	SP					W			1.6	Alluvium
10 SS	18 20	15 29 50/.3	46 48	Light yellow brown fine sand, little silt, trace friable sandstone fragments 10YR6/4						W				Residual
11 SS	24 18	8 11 11 13	50 52	Very pale brown friable sandstone 10YR7/3						W				Residual

End of Boring at 52' (elevation = 854.65);
Well set at 45' (elevation = 861.65)
Ground water elevation 1/28/03 = 868.13

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 5-97

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Onyx-Superior Seven Mile Creek Landfill	3097	DH-43

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
Boart Longyear - D. Morris	11/4/2002	11/4/2002	4 1/4" HSA

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
PE 157		DH-43	871.6 Feet MSL	907.6 Feet MSL	8.0 Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
NW 1/4 of SE 1/4 of Section 8, T 27 N, R 8 W

Lat. ___ ° ___ ' ___ "
Long. ___ ° ___ ' ___ "

Local Grid Location (If applicable)
3298.687 Feet ☒ N ☐ S 897.877 Feet ☒ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
618045450	Eau Claire	18	Town of Seymour

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	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 SS	24 15	2 4 3 3	2 4	TOPSOIL Very dark brown fine sand with silt 10YR2/2	SM					M				Alluvium
2 SS	24 16	5 8 5 6	6 8	Yellow brown fine sand with silt, little clay 10YR5/6 (the tip of the spoon was wet)	SM					M			13.8	Alluvium
3 SS	24 18	4 9 20 25	10 12 14	Light yellow brown fine sand, some silt 10YR6/4	SP-SM					M				Alluvium
4 SS	24 12	13 13 20 17	16 18	Very pale brown fine sand, some silt 10YR7/3	SP-SM					M				Alluvium
5 SS	24 16	17 15 22 28	20 22 24	Pale brown fine sand, some silt 10YR6/3	SP-SM					M				Alluvium

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT

Form 4400-122A

Boring Number DH-43 Use only as an attachment to Form 4400-122.

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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				Pale brown fine sand, some silt 10YR6/3	SP-SM									
6 SS	24 17	31 21 37 34	26 28	Light gray fine sand, some silt 10YR7/2	SP-SM					M				Alluvium
7 SS	24 15	29 17 39 50	30 32 34	Very pale brown fine sand, some silt 10YR7/3	SP-SM					M				Alluvium
8 SS	24 18	17 23 27 49	36 38	Yellow brown fine sand, little silt 10YR5/4	SP					W				Alluvium
9 SS	24 15	14 20 31 46	40 42 44	Light yellow brown fine sand, little silt 10YR6/4	SP					W			4.5	Alluvium
10 SS	24 17	13 8 16 25	46	Yellow brown fine sand, little silt 10YR5/4	SP					W			3.8	Alluvium

End of Boring at 47' (elevation = 860.58)
Well set at 43' (elevation = 864.58)
Ground water elevation 1/28/03 = 871.16

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 5-97

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Onyx-Superior Seven Mile Creek Landfill	3097	DH-43A

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
Boart Longyear - D. Morris	11/5/2002	11/5/2002	4 1/4" HSA

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
PE 158		DH-43A	871.6 Feet MSL	907.6 Feet MSL	8.0 Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
NW 1/4 of SE 1/4 of Section 8, T 27 N, R 8 W

Lat. ___ ° ___ ' ___ "
Long. ___ ° ___ ' ___ "

Local Grid Location (If applicable)
3294.428 Feet ☒ N ☐ S
894.677 Feet ☒ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
618045450	Eau Claire	18	Town of Seymour

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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				Blind drill to 50'; See DH-43 boring log for soil descriptions to 50'										
			2.5											
			5.0											
			7.5											
			10.0											
			12.5											
			15.0											
			17.5											
			20.0											
			22.5											
			25.0											
			27.5											
			30.0											

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Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT

Form 4400-122A

Boring Number DH-43A Use only as an attachment to Form 4400-122.

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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				Blind drill to 50'; See DH-43 boring log for soil descriptions to 50'										
			32.5											
			35.0											
			37.5											
			40.0											
			42.5											
			45.0											
			47.5											
			50.0											
1 SS	24 10	16 21 23 32	52.5	Yellow brown fine sand, little silt, trace gravel 10YR5/4	SP					W				Alluvium
			55.0											
2 SS	24 18	6 11 26 42	57.5	Dark yellow brown fine to medium sand, little silt, trace gravel 10YR4/5	SP					W				Alluvium
			60.0											
3 SS	24 16	20 22 41 50	62.5	Yellow brown fine to medium sand, little silt, little gravel 10YR5/4	SP					W				Alluvium
			65.0											
4 SS	24 20	11 15 22 44	67.5	Yellow brown fine to medium sand, little silt 10YR5/5	SP					W			4.2	Alluvium
			70.0											
				End of Boring at 70' (elevation = 837.58) Well set at 68' (elevation = 839.58) Ground water elevation 1/28/03 = 871.15										

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 5-97

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Onyx-Superior Seven Mile Creek Landfill	3097	DH-44

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
Boart Longyear - P. Dickinson	11/11/2002	11/11/2002	4 1/4" HSA

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
PE 159		DH-44	876.7 Feet MSL	916.7 Feet MSL	8.0 Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
NE 1/4 of SE 1/4 of Section 8, T 27 N, R 8 W

Lat. ___ ° ___ ' ___ "
Long. ___ ° ___ ' ___ "

Local Grid Location (If applicable)
3282.941 Feet ☒ N ☐ S 1649.835 Feet ☒ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
618045450	Eau Claire	18	Town of Seymour

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	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 SS	24 20	6 17 15 18	2 4	Dark gray brown silt with fine sand 10YR4/2	SM					M				Alluvium
				Dark gray brown fine sand, some silt 10YR4/2	SP-SM									
2 SS	24 22	4 7 5	6	Light yellow brown fine sand, some silt 10YR6/4	SP-SM					M				Alluvium
				Yellow brown silt with clay, some fine sand 10YR6/4	CL-ML									
3 SS	24 20	8 2 6 8 11	8	Pale brown fine sand with silt 10YR6/3	SP-SM					M			54.8	Alluvium
4 SS	24 22	3 12 17 20	10 12 14	Brown fine sand, some silt 10YR6/3	SP-SM					M				Alluvium
5 SS	24 22	4 9 8 3	16 18	Very pale brown fine sand, some silt 10YR7/3	SP-SM					M				Alluvium
				One inch thick silt lense at 16.7'	SM									
				Very pale brown fine sand, some silt 10YR7/3	SP-SM									
6 SS	24 20	8 15 24 25	20 22 24	Light yellow brown fine sand, some silt 10YR6/4	SP-SM					M				Alluvium

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

Signature Frank Maenner Firm Ayres Associates

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT

Form 4400-122A

Boring Number DH-44 Use only as an attachment to Form 4400-122.

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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
					SP-SM									
7 SS	24 20	9 14 25 39	26 28	Pale brown fine sand, some silt 10YR6/3	SP-SM					M				Alluvium
8 SS	24 20	15 23 29 35	30 32 34	Light yellow brown fine sand, some silt 10YR6/4	SP-SM					M				Alluvium
9 SS	24 20	10 24 43 50/.3	36 38	Light yellow brown fine sand, little silt 10YR6/4	SP					M				Alluvium
10 SS	24 18	10 15 27 31	40 42 44	Pale brown fine sand, little silt 10YR6/3	SP					W			2.1	Alluvium
11 SS	24 18	9 19 25 26	46 48	Brown fine sand, some silt, trace coarse sand 10YR5/3	SP-SM					W			6.4	Alluvium

End of Boring at 48' (elevation = 868.7)
Well set at 47' (elevation = 869.7)
Ground water elevation 1/28/03 = 876.72

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 5-97

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Onyx-Superior Seven Mile Creek Landfill	3097	DH-44A

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
Boart Longyear - P. Dickinson	11/11/2002	11/11/2002	4 1/4" HSA

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
PE 160		DH-44A	876.6 Feet MSL	916.6 Feet MSL	8.0 Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
NE 1/4 of SE 1/4 of Section 8, T 27 N, R 8 W
Lat. ___ ° ___ ' ___ "
Long. ___ ° ___ ' ___ "
Local Grid Location (If applicable)
3283.26 Feet ☒ N ☐ S
1643.8 Feet ☒ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
618045450	Eau Claire	18	Town of Seymour

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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				Blind drill to 50'; See DH-44 boring log for soil descriptions from 0' to 50'										
			2.5											
			5.0											
			7.5											
			10.0											
			12.5											
			15.0											
			17.5											
			20.0											
			22.5											
			25.0											
			27.5											
			30.0											

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT

Form 4400-122A

Boring Number DH-44A Use only as an attachment to Form 4400-122.

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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				Blind drill to 50'; See DH-44 boring log for soil descriptions from 0' to 50'										
			32.5											
			35.0											
			37.5											
			40.0											
			42.5											
			45.0											
			47.5											
1 SS	24 18	10 20 35 38	50.0 52.5	Light yellow brown fine sand, little silt, trace friable sandstone chips 10YR6/4						W				Residual
2 SS	24 18	10 12 12 15	55.0 57.5	Brown friable sandstone, little silt 10YR5/3						W				Residual
3 SS	24 20	3 5 10 17	60.0 62.5	Brown friable sandstone, little silt 10YR5/3						W				Residual
4 SS	24 18	3 5 7 12	65.0 67.5	Brown fine sand, little silt, trace friable sandstone chips 10YR5/3						W				Residual
5 SS	24 18	7 14 10 11	70.0	Pale brown friable sandstone, little silt 10YR6/3						W			4.9	Residual
				End of Boring at 72' (elevation = 844.6); Well set at 72' (elevation = 844.6) Ground water elevation 1/28/03 = 876.33										

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 5-97

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Onyx-Superior Seven Mile Creek Landfill	3097	DH-45

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
Boart Longyear - M. Mueller	11/13/2002	11/13/2002	4 1/4" HSA

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
PE 185		DH-45	875.9 Feet MSL	909.9 Feet MSL	8.0 Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
NE 1/4 of SE 1/4 of Section 8, T 27 N, R 8 W
Lat. ___ ° ___ ' ___ "
Long. ___ ° ___ ' ___ "
Local Grid Location (If applicable)
☒ N ☒ E
3836.338 Feet ☐ S 1295.481 Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
618045450	Eau Claire	18	Town of Seymour

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	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GS	24			TOPSOIL										Alluvium
			2	Dark brown silt with fine sand 10YR3/3	SM									
2 SS	24 20	6 5 4 2	4 6 8	Brownish yellow fine sand, little silt 10YR6/6	SP					M			1.4	Alluvium
3 SS	24 20	7 5 12 14	10 12	Light yellow brown fine sand, little silt 10YR6/4	SP					M				Alluvium
4 SS	24 17	3 7 7 8	14 16 18	Pale brown fine sand, some silt 10YR6/3	SP-SM					M				Alluvium
				4" brown silt, some fine sand 10YR5/3	ML									
				Pale brown fine sand, some silt 10YR6/3	SP-SM									
5 SS	24 16	8 8 12 10	20 22 24	Light gray fine sand, some silt 10YR7/2	SP-SM					M				Alluvium

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Signature Frank Maenner Firm Ayres Associates

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT

Form 4400-122A

Boring Number DH-45 Use only as an attachment to Form 4400-122.

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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
6 SS	24 14	7 15 20 26	26 28	Light gray fine sand, some silt 10YR7/2	SP-SM					M				Alluvium
7 SS	24 18	10 12 13 18	30 32	Light gray fine sand, some silt 10YR7/2	SP-SM					M				Alluvium
8 SS	24 18	6 7 12 13	34 36 38	Brown fine sand, little silt 10YR5/3	SP					W			2.1	Alluvium
9 SS	24 24	18 13 14 15	40 42	Pale brown fine sand, little silt 10YR6/3	SP					W			1.1	Alluvium
10 SS	24 18	2 4 5 6	44 46 48	Light gray fine sand, little silt 10YR7/2	SP					W				Alluvium
11 SS	24 18	2 3 5 6	50	Light gray fine sand, little silt 10YR7/2	SP					W				Alluvium

End of Boring at 51' (elevation = 858.91)
Well set at 40' (elevation = 869.91)
Ground water elevation 1/28/03 = 876.59

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 5-97

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Onyx-Superior Seven Mile Creek Landfill	3097	DH-46

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
Boart Longyear - M. Mueller	11/19/2002	11/19/2002	4 1/4" HSA

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
PE 172		DH-46	906.3 Feet MSL	933.3 Feet MSL	8.0 Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
NW 1/4 of SW 1/4 of Section 9, T 27 N, R 8 W
Lat. ___ ° ___ ' ___ "
Long. ___ ° ___ ' ___ "
Local Grid Location (If applicable)
☒ N ☒ E
2706.687 Feet ☐ S 2805.754 Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
618045450	Eau Claire	18	Town of Seymour

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	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GS	24		2	TOPSOIL Dark yellow brown silt with fine sand 10YR5/4	SM					M				Alluvium
2 SS	24 16	5 8 16 15	4 6 8	Yellow brown fine sand with silt 10YR5/4	SM					M			5.7	Alluvium
3 SS	24 16	12 22 29 27	10 12	Light gray fine sand, some silt 10YR7/2	SP-SM					M				Alluvium
4 SS	12 10	14 50/.4	14 16 18	White weathered friable sandstone, trace competent sandstone chips 10YR8/2						M				Residual
5 SS	6 4	50/.3	20 22 24	White weathered friable sandstone, trace competent sandstone chips 10YR8/1						M				Residual

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT

Form 4400-122A Rev. 5-97

Boring Number DH-46 Use only as an attachment to Form 4400-122.

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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
6 ☒ SS	6 5	50/.4	26, 28	Gray weathered friable sandstone 2.5Y5/0						M				Residual
7 ☒ SS	6	50/.4	30, 32	Red brown weathered clayey shale 5YR4/4 with gray mottles (Sample submitted for grain size analyses; USCS = CL)						M			83	Residual
8 ☒ SS	6 3	50/.2	34, 36, 38	White weathered friable sandstone 5Y8/1 (Sample submitted for grain size analyses; USCS = SM)						M	NP	NP	19.8	Residual
9 ☒ SS	6 4	50/.3	40	Gray weathered friable sandstone 2.5Y5/0						W				Residual

End of Boring at 41' (elevation = 892.3)
Well set at 37' (elevation = 896.3)
Ground water elevation 1/28/03 = 907.30

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 5-97

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Onyx-Superior Seven Mile Creek Landfill	3097	DH-46A

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
Boart Longyear - M. Mueller	11/19/2002	11/19/2002	8 1/4" HSA & NXL Rock Core, 6" Air Rotary

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
PE 173		DH-46A	906.3 Feet MSL	933.3 Feet MSL	6.0 Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
NW 1/4 of SW 1/4 of Section 9, T 27 N, R 8 W

Lat. ___ ° ___ ' ___ "
Long. ___ ° ___ ' ___ "

Local Grid Location (If applicable)
2706.469 Feet ☒ N ☐ S 2812.797 Feet ☒ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
618045450	Eau Claire	18	Town of Seymour

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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				Blind drill to 30'; See DH-46 boring log for soil descriptions from 0' to 30'										
			2											
			4											
			6											
			8											
			10											
			12											
			14											
			16											
			18											
			20											
			22											
			24											
			26											

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Signature Frank Maenner | Firm Ayres Associates

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT

Form 4400-122A Rev. 5-97

Boring Number DH-46A Use only as an attachment to Form 4400-122.

Sample Number and Type	Sample 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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			28											
1 CORE	108 42		30, 32, 34, 36, 38	Rock Core Run #1 30' to 39'; 42" recovery = 39%; Alternating 1" layers Red Brown and olive gray clayey shale with thin (<1/2" thick) light gray fine grained sandstone layers from 30' to 31'; Intermittent layers (1" to 3" thick) of light gray very fine grained sandstone and olive gray (1/4" to 1" thick) soft clayey shale. Cross bedding not evident within the sandstone. Some coarse grained quartz pebbles at 37.5' to 38' mixed with the fine grained sandstone.										Bedrock, RQD = 0% very poor; Fracture Frequency = 2.7
2 CORE	120 43		40, 42, 44, 46, 48	Rock core Run #2 39' to 49"; 43" recovery = 36%. Light gray fine to very fine grained weakly cemented sandstone from 39' to 41'; Few coarse grained quartz pebbles at 40.5' mixed within the fine grained sandstone; Alternating layers of olive gray semi stiff clayey shale (1/16" to 2.75" thick) with thin layers (1/4" to 1/2" thick) of light gray fine to very fine grained sandstone from 41' to 47'; Light gray very fine grained sandstone from 47' to 48' with thin (1/16" thick) olive gray clayey shale layers from 48' to 49';										Bedrock, RQD =10% very poor; Fracture Frequency = 2.8
3 CORE	120 26		50, 52, 54, 56, 58	Rock Core Run # 3, 49' to 59'; 26" recovery = 22%; Yellow brown to light gray very fine grained sandstone from 49' to 55' then alternating light gray fine grained sandstone with thin (<1/16" thick olive gray clayey shale layers from 55' to 59'; Few coarse grained quartz pebbles mixed within the fine grained sandstone from 58.5' to 59'.										Bedrock, RQD = 0% very poor; Fracture Frequency = 2.6
4 CORE	60 16.5		60, 62, 64	Rock Core Run #4 59' to 64', 16.5" Recovery = 28%; Light gray fine to very fine grained weakly cemented sandstone; Few coarse gained quartz pebbles mixed with fine grained sandstone at 61' to 63', Thin (<1/16" thick) olive gray clayey shale layers intermixed with light gray very fine grained sandstone from 63' to 64'										Bedrock, RQD = 0% very poor; Fracture Frequency = 3.0

End of Boring at 64' (elevation = 869.3)
Well set at 62' (elevation = 871.3)
Ground water elevation 1/28/03 = 886.61

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 5-97

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Onyx-Superior Seven Mile Creek Landfill	3097	DH-47

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
Boart Longyear - M. Mueller	11/25/2002	11/25/2002	4 1/4" HSA

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
PE 174		DH-47	908.2 Feet MSL	923.2 Feet MSL	8.0 Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
NW 1/4 of SW 1/4 of Section 9, T 27 N, R 8 W
Lat. ___ ° ___ ' ___ "
Long. ___ ° ___ ' ___ "
Local Grid Location (If applicable)
2053.01 Feet ☒ N ☐ S 2850.443 Feet ☒ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
618045450	Eau Claire	18	Town of Seymour

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	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GS	24			Topsoil										Alluvium
			2.5	Dark Brown silt with fine sand 10YR3/3	SM									
2 SS	24 24	4 6	5.0	Yellow brown fine sand with silt 10YR5/4	SM					M				Alluvium
3 SH	24 24	8 8	7.5	Yellow brown silt, some clay little fine sand 10YR5/4	ML					21.1%	20	1	83.3	Alluvium Pushed Shelby 6 to 8 Feet
4 SS	24 18	5 7 10 12	10.0	Brownish yellow silt with fine sand 10YR6/6	SM					M				Alluvium
			12.5											
5 SS	24 18	6 15 15 18	15.0	Light yellow brown clayey weathered shale 10YR6/4						W			35.5	Residual
			17.5	Light yellow brown friable weathered sandstone 10YR6/4										
6 SS	6 3	50/.2	20.0	Light gray friable weathered sandstone 10YR7/2						W				Residual
			22.5											
7 SS	6 3	50/.2		Light gray friable weathered sandstone 10YR7/2						W				Residual
				End of Boring at 24.5' (elevation = 898.7) Well set at 23' (elevation = 900.2) Ground water elevation 1/28/03 = 906.89										

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

Signature *Frank Maenner* Firm Ayres Associates

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 5-97

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Onyx-Superior Seven Mile Creek Landfill	3097	DH-47A

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
Boart Longyear - M. Mueller	11/25/2002	11/25/2002	4 1/4" HSA

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
PE 175		DH-47A	907.9 Feet MSL	922.9 Feet MSL	8.0 Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
NW 1/4 of SW 1/4 of Section 9, T 27 N, R 8 W

Lat. ___ ° ___ ' ___ "
Long. ___ ° ___ ' ___ "

Local Grid Location (If applicable)
☒ N 2054.131 Feet ☐ S ☒ E 2843.323 Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
618045450	Eau Claire	18	Town of Seymour

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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				Blind drill to 29'; See DH-47 boring log for soil descriptions from 0' to 29'										
			2											
			4											
			6											
			8											
			10											
			12											
			14											
			16											
			18											
			20											
			22											
			24											

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

Signature Frank Maenner | Firm Ayres Associates | Tel: Fax:

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT

Form 4400-122A Rev. 5-97

Boring Number DH-47A Use only as an attachment to Form 4400-122.

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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			26											
			28											
1 SS	24 2	50/.2	30	Brownish yellow friable weathered sandstone 10YR6/6						W				Residual
			32											
2 SS	24 2	50/.2	34	Olive gray clayey weathered shale						W				Residual
			36	White friable weathered sandstone 10YR8/2										
			38											
3 SS	24 2	50/.2	40	Light gray friable weathered sandstone 10YR7/2						W				Residua'
			42											
			44											
4 SS	24 2	50/.2	46	Light gray friable weathered sandstone 10YR7/2						W			1.3	Residual
			48											

End of Boring at 48' (elevation = 874.9)
Well set at 48' (elevation = 874.9)
Ground water elevation 1/28/03 = 885.89

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 5-97

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Onyx-Superior Seven Mile Creek Landfill	3097	DH-48

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
Boart Longyear - M. Mueller	11/26/2002	11/26/2002	4 1/4" HSA

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
PE 171		DH-48	897.2 Feet MSL	914.2 Feet MSL	8.0 Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
SW 1/4 of SW 1/4 of Section 9, T 27 N, R 8 W
Lat. ___ ° ___ ' ___ "
Long. ___ ° ___ ' ___ "
Local Grid Location (If applicable)
☒ N 1444.427 Feet ☐ S ☒ E 2836.01 Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
618045450	Eau Claire	18	Town of Seymour

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	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 GS	24		2	Topsoil Yellow brown fine and with silt 10YR5/4	SM									Alluvium
2 SS	24 20	7 12 15 15	4 6 8	Yellow brown fine and with silt 10YR5/6	SM					M				Alluvium
3 SS	24 10	7 4 6 5	10 12	Yellow brown fine sand with silt 10YR5/4 6" silt lense at 10' Yellow brown fine sand with silt 10YR5/4	SM ML SM					M				Alluvium
4 SS	24 9	9 12 10 10	14 16 18	Light yellow brown fine sand with silt 10YR6/4	SM					M				Alluvium
5 SS	24 13	8 9 8 8	20 22 24	Yellow brown fine sand with silt 10YR5/4	SM					W			17.3	Alluvium

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

Signature Frank Maenner Firm Ayres Associates Tel: Fax:

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT

Form 4400-122A Rev. 5-97

Boring Number DH-48 Use only as an attachment to Form 4400-122.

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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
6 SS	24	8 9 10 12	26 28	Yellow brown fine sand some silt 10YR5/4	SP-SM					W			9.5	Alluvium
7 SS	24 15	10 10 15 18	30 32	Yellow brown fine sand, some silt, trace friable sandstone chips 10YR5/4						W				Residual
8 SS	6 4	50/.4	34 36 38	White friable weathered sandstone 10YR8/1						W				Residual
9 SS	6 2	50/.2	40 42	Pale brown friable weathered sandstone 10YR6/3						W				Residual
10 SS	6 1	50/.1	44 46 48	Pale brown friable weathered sandstone 10YR6/3						W				Residual
11 SS	6	50/.1	50	Yellow brown friable weathered sandstone 10YR5/6						W				Residual

End of Boring at 49.5' (elevation = 864.7)
Well set at 27' (elevation = 887.2)
Ground water elevation 1/28/03 = 895.72

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 5-97

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Onyx-Superior Seven Mile Creek Landfill	3097	DH-49

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
Boart Longyear - P. Dickinson	11/12/2002	11/12/2002	4 1/4" HSA

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
PE 187		DH-49	882.5 Feet MSL	910.0 Feet MSL	8.0 Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
SE 1/4 of SE 1/4 of Section 8, T 27 N, R 8 W
Lat. ___ ° ___ ' ___ "
Long. ___ ° ___ ' ___ "
Local Grid Location (If applicable)
☒ N ☒ E
1461.012 Feet ☐ S 2131.413 Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
618045450	Eau Claire	18	Town of Seymour

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	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 SS	24 18	2 4 8 6	2 4	Topsoil						M				Alluvium
				Very dark gray brown silt with fine sand 10YR3/2	SM									
2 SS	24 18	3 10 14 14	6 8	Yellow brown fine sand with silt 10YR5/6	SM					M				Alluvium
3 SS	24 20	5 8 14 15	10 12 14	Light yellow brown fine sand, some silt 10YR6/4	SP-SM					M				Alluvium
4 SS	24 18	4 4 11 19	16	6" olive clay, some fine sand 5Y4/3, 6" dark brown clay 7.5YR3/4, 6" olive clay, little fine sand 5Y4/3	CL					M	47	27	82.0	Alluvium
5 SS	12 8	34 50/.3	18	Light gray friable weathered sandstone 10YR7/2						M				Residual
6 SS	12 10	29 50/.2	20 22 24	White friable weathered sandstone, some friable sandstone chips 10YR8/1						M				Residual

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Signature Frank Maenner Firm Ayres Associates Tel: Fax:

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT

Form 4400-122A Rev. 5-97

Boring Number DH-49 Use only as an attachment to Form 4400-122.

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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
7 SS	6 4	50/.3	26	White friable weathered sandstone, some friable sandstone chips 10YR8/1						W				Residual
			28											
8 SS	12 8	30 50/.3	30	Light yellow brown friable weathered sandstone, trace friable sandstone chips, trace olive shale chips 10YR6/4						M			18.4	Residual
			32											
			34											
9 SS	9.6 6	33 50/.2	36	Pale brown friable weathered sandstone, trace friable sandstone chips 10YR6/3						W			10.7	Residual

End Boring at 35.8' (elevation = 874.2)
Well set at 34.5' (elevation = 875.5)
Ground water elevation 1/28/03 = 885.20

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 5-97

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Onyx-Superior Seven Mile Creek Landfill	3097	DH-49A

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
Boart Longyear - P. Dickinson	11/13/2002	11/13/2002	4 1/4" HSA

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
PE 188		DH-49A	882.5 Feet MSL	910.0 Feet MSL	8.0 Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
SE 1/4 of SE 1/4 of Section 8, T 27 N, R 8 W

Lat. ___ ° ___ ' ___ "
Long. ___ ° ___ ' ___ "

Local Grid Location (If applicable)
1458.098 Feet ☒ N ☐ S
2135.998 Feet ☒ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
618045450	Eau Claire	18	Town of Seymour

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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				Blind drill to 40'; See DH-49 boring log for soil descriptions from 0 to 40 feet.										
			2											
			4											
			6											
			8											
			10											
			12											
			14											
			16											
			18											
			20											
			22											
			24											

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

Signature	Firm	Tel:
Frank Maenner	Ayres Associates	Fax:

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT

Form 4400-122A Rev. 5-97

Boring Number DH-49A Use only as an attachment to Form 4400-122.

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	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			26											
			28											
			30											
			32											
			34											
			36											
			38											
1 SS	12 7	20 50/.2	40	Pale brown friable weathered sandstone 10YR6/3						W				Residual
			42											
			44											
2 SS	12 3	50/.2	46	Light gray friable weathered sandstone 10YR7/2						W				Residual
			48											
3 SS	12 2	50/.2	50	Yellow brown friable weathered sandstone 10YR5/6						W				Residual
			52											
			54											
4 SS	12 4	50/.3	56	Light yellow brown friable weathered sandstone 10YR6/4						W			9.3	Residual
			58											
5 SS	12 2	50/.2	60	Light gray friable weathered sandstone 10YR7/2						W				Residual

End of Boring at 61' (elevation = 848.97)
Well set at 60' (elevation = 849.97)
Ground water elevation 1/28/03 = 878.27

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 5-97

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Onyx-Superior Seven Mile Creek Landfill	3097	DH-50

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
Boart Longyear - P. Dickinson	11/18/2002	11/18/2002	4 1/4" HSA

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
PE 200		DH-50	890.8 Feet MSL	907.3 Feet MSL	8.0 Inches

Boring Location or Local Grid Origin (Check if estimated: ☐)
State Plane S/C/N
SW 1/4 of SW 1/4 of Section 9, T 27 N, R 8 W
Lat. ___ ° ___ ' ___ "
Long. ___ ° ___ ' ___ "
Local Grid Location (If applicable)
2104.234 Feet ☒ N ☐ S 2205.254 Feet ☒ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
618045450	Eau Claire	18	Town of Seymour

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	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
1 SS	24 22	3 3 5 3	2 4	Very dark gray brown silt with fine sand 10YR3/2	SM					M				Alluvium
2 SS	24 16	2 5 6 12	6 8	Yellow brown fine sand with silt 10YR5/4	SM					M				Alluvium
3 SS	24 17	3 9 12 16	10 12 14	Yellow brown fine sand with silt 10YR5/4	SM					W				Alluvium
4 SS	24 16	6 9 12 13	16 18	Yellow brown fine sand with silt 10YR5/4	SM					W			35.0	Alluvium
				8" brown silt lense from 15.6' to 16.3'	ML									
				Yellow brown fine sand, some silt 10YR5/4	SP-SM									
5 SS	24 16	9 13 13 14	20 22 24	Yellow brown fine sand, some silt 10YR5/4	SP-SM					W			8.8	Alluvium

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

Signature Frank Maenner
Firm Ayres Associates
Tel:
Fax:

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT

Form 4400-122A Rev. 5-97

Boring Number DH-50 Use only as an attachment to Form 4400-122.

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: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
6 SS	24 18	7 7 10 30	26 28	Yellow brown fine sand, some silt 10YR5/4	SP-SM					W				Alluvium
7 SS	24 18	8 9 11 16	30 32 34	Yellow brown fine sand, some silt 10YR5/4	SP-SM					W				Alluvium
8 SS	24 18	1 2 8 9	36 38	Light yellow brown fine sand, some silt 10YR6/4	SP-SM					W				Alluvium
9 SS	24 18	9 7 6 8	40 42	Yellow brown fine sand, some silt 10YR5/4	SP-SM					W				Alluvium

End of Boring at 42' (elevation = 865.3)
Well set at 25' (elevation = 882.3)
Ground water elevation 1/28/03 = 889.64