Attachment 2

Geotechnical Soil Test Data

Excerpted from 2003 Feasibility Report

TABLE 5 A
ONYX SEVEN MILE CREEK LANDFILL--SECTOR 2 HORIZONTAL AND VERTICAL EXPANSION
PHYSICAL SOILS TESTING RESULTS--SM SOIL TYPE

Boring or Well Number	Sample Depth (ft.bgs)	Grain-Size					Atterberg Limits		USCS Classification	Laboratory Permeability ASTM D5084 (cm/s)	Dry Density (lbs./ft^3)	Moisture Content (%)	Geologic Origin
		% Gravel (>4.75 mm)	% Sand (4.75 mm-0.075 mm)	% Silt (0.075 mm-0.005 mm)	% Clay (<0.005 mm)	% Silt and Clay (<P-200)	Liquid Limit (%)	Plasticity Index (%)					
DH-39	5-7'	0.1	76.8	NT	NT	23.1	NP	NP	SM	NT	NT	NT	Alluvium
DH-43	5-7'	0.0	86.2	NT	NT	13.8	NP	NP	SM	NT	NT	NT	
DH-46	34'	0.0	80.2	11.1	8.7	0.0	NP	NP	SM	NT	NT	NT	
DH-47	14-16'	11.2	53.3	NT	NT	35.5	NP	NP	SM	NT	NT	NT	
DH-48	19-21'	0.5	82.2	NT	NT	17.3	NP	NP	SM	NT	NT	NT	
DH-49	30-32'	2.7	78.9	NT	NT	18.4	NP	NP	SM	NT	NT	NT	
DH-50	15-17'	0.0	65.0	NT	NT	35.0	NP	NP	SM	NT	NT	NT	
TB-65	10-12'	0.0	79.1	NT	NT	20.9	NP	NP	SM	NT	NT	NT	
N=		8.0	8.0			8.0							
Min.		0.0	53.3			0.00							
Max.		11.2	86.2			35.5							
Mean		1.8	75.2			20.5							
Median		0.1	79.0			19.7							
Std. Deviation		3.9	10.8			11.5							

N = Number of Samples
NT = Not Tested--No hydrometer analysis performed
NP = Non-Plastic

TABLE 5 B
ONYX SEVEN MILE CREEK LANDFILL--SECTOR 2 HORIZONTAL AND VERTICAL EXPANSION
PHYSICAL SOILS TESTING RESULTS--SP SOIL TYPE

Boring or Well Number	Sample Depth (ft.bgs)	Grain-Size					Atterberg Limits		USCS Classification	Laboratory Permeability ASTM D5084 (cm/s)	Dry Density (lbs./ft^3)	Moisture Content (%)	Geologic Origin
		% Gravel (>4.75 mm)	% Sand (4.75 mm-0.075 mm)	% Silt (0.075 mm-0.005 mm)	% Clay (<0.005 mm)	% Silt and Clay (<P-200)	Liquid Limit (%)	Plasticity Index (%)					
DH-39	40-42'	0.0	98.2	NT	NT	1.8	NP	NP	SP	NT	NT	NT	Alluvium
DH-39	45-47'	0.2	95.1	NT	NT	4.7	NP	NP	SP	NT	NT	NT	
DH-41	40-42'	0.1	98.3	NT	NT	1.6	NP	NP	SP	NT	NT	NT	
DH-43	40-42'	0.7	94.8	NT	NT	4.5	NP	NP	SP	NT	NT	NT	
DH-43	45-47'	1.1	95.1	NT	NT	3.8	NP	NP	SP	NT	NT	NT	
DH-43A	65-67'	1.8	94.0	NT	NT	4.2	NP	NP	SP	NT	NT	NT	
DH-44	40-42'	0.0	97.9	NT	NT	2.1	NP	NP	SP	NT	NT	NT	
DH-44A	70-72'	0.0	95.1	NT	NT	4.9	NP	NP	SP	NT	NT	NT	
DH-45	4-6'	0.0	98.6	NT	NT	1.4	NP	NP	SP	NT	NT	NT	
DH-45	34-36'	0.2	97.7	NT	NT	2.1	NP	NP	SP	NT	NT	NT	
DH-45	39-41'	5.7	93.2	NT	NT	1.1	NP	NP	SP	NT	NT	NT	
D-47A	46-48'	0.0	98.7	NT	NT	1.3	NP	NP	SP	NT	NT	NT	
TB-71	24-26'	0.4	97.8	NT	NT	1.8	NP	NP	SP	NT	NT	NT	
N=		13.0	13.0			13.0							
Min.		0.0	93.2			1.1							
Max.		5.7	98.7			4.9							
Mean		0.8	96.5			2.7							
Median		0.2	97.7			2.1							
Std. Deviation		1.6	2.0			1.5							

N = Number of Samples
NT = Not Tested--No hydrometer analysis performed
NP = Non-Plastic

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TABLE 5 C
ONYX SEVEN MILE CREEK LANDFILL--SECTOR 2 HORIZONTAL AND VERTICAL EXPANSION
PHYSICAL SOILS TESTING RESULTS--SP-SM SOIL TYPE

Boring or Well Number	Sample Depth (ft.bgs)	Grain-Size					Atterberg Limits		USCS Classification	Laboratory Permeability ASTM D5084 (cm/s)	Dry Density (lbs./ft^3)	Moisture Content (%)	Geologic Origin
		% Gravel (>4.75 mm)	% Sand (4.75 mm-0.075 mm)	% Silt (0.075 mm-0.005 mm)	% Clay (<0.005 mm)	% Silt and Clay (<P-200)	Liquid Limit (%)	Plasticity Index (%)					
DH-41	35-37'	0.2	93.6	NT	NT	6.2	NP	NP	SP-SM	NT	NT	NT	Alluvium
DH-44	45-47'	0.0	93.6	NT	NT	6.4	NP	NP	SP-SM	NT	NT	NT	
DH-46	4-6'	0.5	93.8	NT	NT	5.7	NP	NP	SP-SM	NT	NT	NT	
DH-48	24-26'	3.7	86.8	NT	NT	9.5	NP	NP	SP-SM	NT	NT	NT	
DH-49	35-37'	1.6	87.7	NT	NT	10.7	NP	NP	SP-SM	NT	NT	NT	
DH-49A	55-57'	0.0	90.7	NT	NT	9.3	NP	NP	SP-SM	NT	NT	NT	
DH-50	20-22'	0.7	90.5	NT	NT	8.8	NP	NP	SP-SM	NT	NT	NT	
TB-62	14-16'	0.0	95.0	NT	NT	5.0	NP	NP	SP-SM	NT	NT	NT	
TB-75	9-11'	0.0	92.2	NT	NT	7.8	NP	NP	SP-SM	NT	NT	NT	
TB-78	20-22'	0.0	94.5	NT	NT	5.5	NP	NP	SP-SM	NT	NT	NT	
N=		10.0	10.0	10.0	10.0	10.0							
Min.		0.0	86.8	0.0	0.0	5.0							
Max.		3.7	95.0	0.0	0.0	10.7							
Mean		0.7	91.8	0.0	0.0	7.5							
Median		0.1	92.9	0.0	0.0	7.1							
Std. Deviation		1.2	2.8	0.0	0.0	2.0							

N = Number of Samples
NT = Not Tested--No hydrometer analysis performed
NP = Non-Plastic

TABLE 5 D
ONYX SEVEN MILE CREEK LANDFILL--SECTOR 2 HORIZONTAL AND VERTICAL EXPANSION
PHYSICAL SOILS TESTING RESULTS--REMAINING SOIL TYPE

Boring or Well Number	Sample Depth (ft.bgs)	Grain-Size					Atterberg Limits		USCS Classification	Laboratory Permeability ASTM D5084 (cm/s)	Dry Density (lbs./ft^3)	Moisture Content (%)	Geologic Origin
		% Gravel (>4.75 mm)	% Sand (4.75 mm-0.075 mm)	% Silt (0.075 mm-0.005 mm)	% Clay (<0.005 mm)	% Silt and Clay (<P-200)	Liquid Limit (%)	Plasticity Index (%)					
DH-44	6'	0.0	45.2	35.0	19.8	54.8	NP	NP	CL-ML	NT	NT	NT	Alluvium
DH-46	29-31'	0.0	17.0	35.8	47.2	83.0	NP	NP	CL	NT	NT	NT	
DH-47	6-8'	0.0	16.7	63.6	19.7	83.3	20	19	ML	5.4×10^{-9}	105	21.1	
DH-49	15'	0.0	18.0	37.9	44.1	82.0	47	20	CL	NT	NT	NT	
TB-61	4'	0.0	43.2	33.6	23.2	56.3	21	16	CL-ML	NT	NT	NT	
TB-63	15'	0.0	2.9	45.5	51.6	97.1	55	27	CH	NT	NT	NT	
TB-65	15'	0.0	21.3	64	14.7	78.7	19	19	ML	NT	NT	NT	
TB-74	15'	0.0	45.1	38.5	16.4	54.9	NP	NP	CL-ML	NT	NT	NT	
TB-76	10'	0.0	31.5	34.1	34.4	68.5	41	20	CL	NT	NT	NT	
N=			9.0	9.0	9.0	9.0	9.0	9.0		1.0	1.0	1.0	
Min.			2.9	33.6	14.7	0.0	19.0	16.0					
Max.			45.2	64.0	51.6	0.0	55.0	27.0					
Mean			26.8	43.1	30.1	0.0	33.8	20.2					
Median			21.3	37.9	23.2	0.0	31.0	19.5					
Std. Deviation			15.2	12.3	14.4	0.0	15.8	3.7					

N = Number of Samples
NT = Not Tested--No hydrometer analysis performed
NP = Non-Plastic

End of Table 5

TABLE 3
EXISTING GEOTECHNICAL PROGRAM INFORMATION
TESTING
SUPERIOR SERVICES -- SEVEN MILE CREEK LANDFILL SECTOR 2
VERTICAL EXPANSION

Grain Size Analysis (5 samples from each major soil unit)

In Situ Hydraulic Conductivity Tests All wells

Boring	Sample Depth (feet)	Elevation (feet msl)	%Gravel	%Sand	%Fines	%Silts	%Clays	USCS	Hydraulic Conductivity (cm/sec)	Test Type
MW/DH-2	13	896	0	97	3			SP	--	--
MW/DH-3	7.5	897	1	8	92	86	6	ML	--	--
	17.5	887	0	60	40			SM	--	--
MW/DH-4	16	883	0	88	12			SM	--	--
MW/DH-20	5	905	0	71	29			SM	--	--
	15	895	0	88	12	3	9	SP-SM	--	--
MW/DH-20A	--	859-856	--	--	--	--	--	Sandstone	5.3 X 10-4	FF
MW/DH-22A	--	883-880	--	--	--	--	--	SP	2.6 X 10-2	FF
MW/DH-23	10	902	0	90	10			SP-SM	--	--
	15	897	0	97	3	1	2	SP	--	--
	--	890	--	--	--	--	--	SP-SM	1.3 X 10-3	FF
MW/DH-23A	--	841-838	--	--	--	--	--	Sandstone	6.8 X 10-4	FF
MW/DH-23B	--	860	--	--	--	--	--	Sandstone	6.4 X 10-3	LC
	--	821-818	--	--	--	--	--	Sandstone	1.4 X 10-4	FF
MW/DH-24	10	911	0	49	51			ML	--	--
	20	901	0	96	4	1	3	SP	--	--
TB-5	31	864	0	60	40	26	14	SM	--	--
	32	863	0	12	88	63	25	ML	--	--
TB-11	--	895	--	--	--	--	--	SM	8.9 X 10-5	FF
	4-7	894.5	0	70	30			SM	--	--
	15	885	0	66	34	23	11	SM	--	--
TB-13	7-10	892	0	63	37			SM	--	--
	10-13	888.5	0	85	15			SM	1.1 X 10-5	LRC
TB-14	11.5	895	0	33	67	57	10	ML	--	--
	--	885	--	--	--	--	--	ML	2.3 X 10-3	FF
	--	885	--	--	--	--	--	ML	2.5 X 10-7	LUF
	11-13	884-886	0	24	76	43	33	ML	--	--
TB-17	12-15	895	0	65	35			SM	--	--
TB-31	25	878	0	63	37			SM	--	--
	30	873	0	88	12			SW-SM	--	--
TB-33	5	905	0	79	21			SM	--	--
	15	901	0	99	1	0.4	0.6	SP	--	--
TB-39	10	904	0	93	7			SP-SM	--	--
TB-42	15	895	30	53	17			SM	--	--
	30	880	6	88	6			SP-SM	--	--
TB-45	10	886	0	97	3			SP	2.9 X 10-3	LRC
	--	869-866	--	--	--	--	--	SP	3.6 X 10-3	FF

L = Lab R = Remolded F = Falling Head (slug tests)
F = Field U = Undisturbed C = Constant Head

Laboratory Hydraulic Conductivity (2 undisturbed samples from each major fine grained unit)
Baseline Ground Water Monitoring 4 rounds according to 507.18
Ground Water Elevations Monthly for 6 months Quarterly for 1 year
Surface Water Elevations Monthly for 6 months Quarterly for 1 year

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TABLE 6

GRAINSIZE ANALYSIS TABLE

Boring	Sample #	Depth	Elevation	% GR	% SD	% Fines	% Silt	% Clay	Unified
DH-1	3	8	912	0	88	12			SM
DH-1	8	20	900	0	62	38	36	2	SM
DH-1	12	36	884	0	97	3			SP
DH-1	13	40	880	0	96	4			SP
DH-2	5	13	896	1	97	3			SP
DH-3	3	7.5	897	0	8	92	86	6	ML
DH-3	7	17.5	887	0	60	40			SM
DH-4	6	16	883	0	88	12			SM
DH-5	3	8	892	0	100	0			SP
DH-5	6	16	884	0	58	12			SM
DH-6	5	13	881	0	92	8			SP-SM
DH-6	6	15	879	0	75	25			SM
DH-6	12	35	859	0	46	64	62	2	ML
DH-20	1	5	905	0	71	29			SM
DH-20	3	15	895	0	88	12	3	9	SP-SM
DH-23	2	10	902	0	90	10			SP-SM
DH-23	3	15	897	0	97	3	1	2	SP
DH-24	2	10	911	0	49	51			ML
DH-24	4	20	901	0	96	4	1	3	SP

TABLE 6 (continued)

Boring	Sample #	Depth	Elevation	% GR	% SD	% Fines	% Silt	% Clay	Unified
TB-4	10	30-33	870	0	82	18			SM
TB-5	P	31	864	0	60	40	26	14	SM
TB-5	2	32	863	0	12	88	63	25	ML
TB-6	1	14-17	880	0	57	43			SM
TB-9	1	5	889	2	88	10			SP-SM
TB-11	1	4-7	894.5	0	70	30			SM
TB-11	P	15	885	0	66	34	23	11	SM
TB-13	2	7-10	892	0	63	37			SM
TB-13	3	10-13	888.5	0	85	15			SM
TB-14	P	11.5	895	0	43	69	57	10	ML
TB-14	2	11-13	875	0	24	76	43	33	ML
TB-17	2	12-15	895	0	65	35			SM
TB-21	1	5	908	0	41	59	39	20	ML
TB-21	P	11	901	0	78	22	11	11	SM
TB-21	P	19	894	0	86	14			SM
TB-24	4	13	900	0	97	3			SP
TB-26	P	8.5	902	0	64	36	25	11	SM

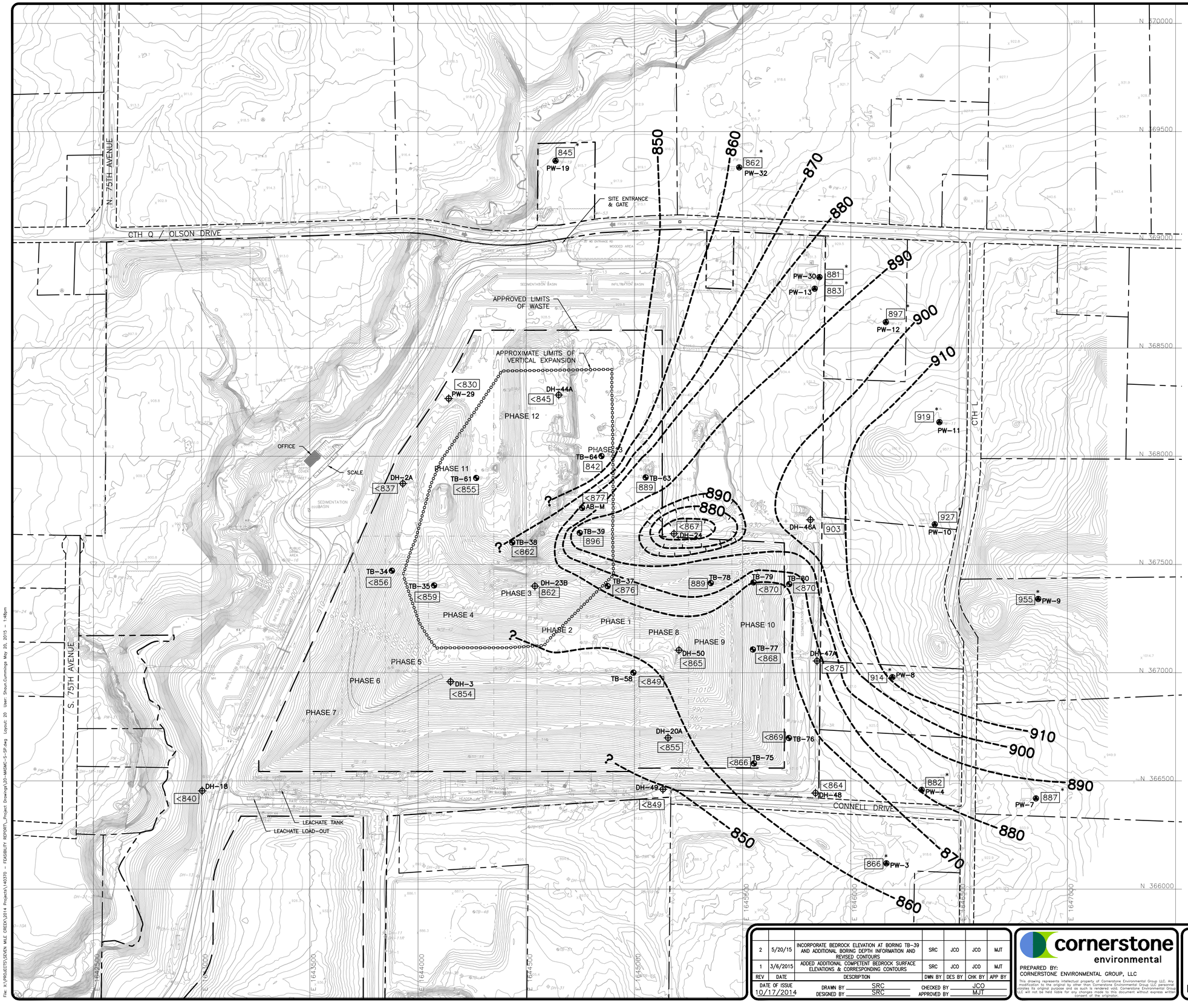
TABLE 6 (continued)

Boring	Sample #	Depth	Elevation	% GR	% SD	% Fines	% Silt	% Clay	Unified
TB-31	5	25	878	0	63	37			SM
TB-31	6	30	873	0	88	12			SW-SM
TB-33	1	5	911	0	79	21			SM
TB-33	3	15	901	0	99	1	38	62	SP
TB-39	2	10	904	0	93	7			SP-SM
TB-42	1	15	895	30	53	17			SM
TB-42	3	30	880	6	88	6			SP-SM
TB-45	2	10	886	0	97	3			SP

NOTE: Gradation Curves for DH-1 to DH-6 and TB-4 to TB-26 are in the Sector 2 Initial Site Report. Others are in Appendix F.

Attachment 3

Competent Bedrock Surface Contour Map



LEGEND

- PROPERTY BOUNDARY
- ROAD RIGHT-OF-WAY
- APPROXIMATE LIMITS OF VERTICAL EXPANSION
- PERMITTED SOLID WASTE BOUNDARY
- PHASE BOUNDARY
- 1400 — EXISTING 10' CONTOUR
- EXISTING 2' CONTOUR
- EXISTING FENCE
- GP-4R — EXISTING GAS PROBE
- DH-46A — EXISTING WATER TABLE WELL
- DH-33-33A — EXISTING WATER TABLE (DH-33) & PIEZOMETER (DH-33A)
- TB-63 — EXISTING SOIL BORING LOCATION
- TP-4 — EXISTING TEST PIT
- PW-1 — EXISTING PRIVATE WELL (WITH NUMBER)
- EXISTING PRIVATE WELL (UN-NUMBERED)
- GP-11 — PROPOSED GAS PROBE
- DH-4R — ABANDONED WATER TABLE WELL
- PW-6 — ABANDONED PRIVATE WELL
- GP-2 — ABANDONED GAS PROBE
- 910 — INTERPRETED COMPETENT BEDROCK CONTOUR (FT-MSL) (10-FOOT INTERVALS)
- 890 — DEPRESSION IN APPROXIMATE COMPETENT BEDROCK SURFACE (FT-MSL)
- 897 — APPROXIMATE COMPETENT BEDROCK ELEVATION (FT-MSL) AT MONITORING WELLS/BORINGS (SEE NOTE 13)
- 914* — APPROXIMATE COMPETENT BEDROCK ELEVATION (FT-MSL) AT PRIVATE WELLS (SEE NOTE 12)
- <862 — COMPETENT BEDROCK DEPTH (FT-MSL) IS ESTIMATED TO BE LESS THAN THE NOTED ELEVATION.

NOTES

1. AERIAL TOPOGRAPHIC SURVEY PERFORMED BY SRMC ON MAY 18, 2014. CONTOURS WEST OF SEVEN MILE CREEK NEAR SOUTH 75TH AVENUE SUPPLIED BY EAU CLAIRE COUNTY GIS DEPARTMENT.
2. PROPERTY BOUNDARIES ARE FROM AYRES ASSOCIATES AND EAU CLAIRE COUNTY GIS DEPARTMENT.
3. LOCATION OF EXISTING SECTOR 2 GAS WELLS, CLEANOUTS AND LEACHATE HEADWELLS ARE FROM CQM SURVEY (AUGUST 5, 2014).
4. LOCATION OF EXISTING SECTOR 1 GAS WELLS ARE FROM AYRES AND ASSOCIATES HORIZONTAL AND VERTICAL EXPANSION FEASIBILITY REPORT (NOVEMBER 2003).
5. LOCATION OF EXISTING GAS PROBES ARE FROM AYRES 2006 AND 2013 SURVEYS, AND CQM SURVEY (AUGUST 2014).
6. EXISTING MONITORING WELL LOCATIONS, EXCEPT FOR DH-40, DH-51, DH-22R, DH-52 AND DH-53 ARE FROM AYRES ASSOCIATES HORIZONTAL AND VERTICAL EXPANSION FEASIBILITY REPORT (NOVEMBER 2003).
7. MONITORING WELL (DH-40 AND DH-51) LOCATIONS ARE FROM AYRES ASSOCIATES SECTOR 2-PLAN OF OPERATION-PLAN MODIFICATION (AUGUST 2011).
8. MONITORING WELL (DH-52 AND DH-53) LOCATIONS ARE BASED ON AYRES ASSOCIATES WELL INFORMATION FORM DATED SEPTEMBER 2006. MONITORING WELL DH-22R LOCATION BASED ON AYRES ASSOCIATES WELL INFORMATION FORM DATED OCTOBER 2011.
9. EXISTING SOIL BORING LOCATIONS ARE FROM AYRES AND ASSOCIATES HORIZONTAL AND VERTICAL EXPANSION FEASIBILITY REPORT (NOVEMBER 2003).
10. EXISTING TEST PIT LOCATIONS ARE FROM AYRES AND ASSOCIATES HORIZONTAL AND VERTICAL EXPANSION FEASIBILITY REPORT (NOVEMBER 2003).
11. MONITORING WELLS THAT HAVE BEEN REPLACED ARE DESIGNATED WITH THE LETTER "R" IN WELL NAME (DH-4R). PIEZOMETER LOCATIONS ARE DESIGNATED WITH THE LETTERS "A, B OR C" (DH-22A/DH-22B).
12. COMPETENT BEDROCK ELEVATIONS AT PRIVATE WELLS (PW-XX) ARE APPROXIMATE AND BASED ON USGS TOPOGRAPHIC GROUND SURFACE ELEVATIONS, MARGINALLY DETAILED GEOLOGIC DESCRIPTIONS ON WELL DRILLER LOGS, AND/OR WELL CASING DEPTHS INTO BEDROCK.
13. COMPETENT BEDROCK ELEVATIONS IN LANDFILL SITE BORINGS (TB-XX AND DH-XX) ARE DEFINED BY AUGER REFUSAL. TOP OF BEDROCK CORE RUN ELEVATIONS AT BORINGS DH-23B, DH-46A AND TB-78 ALSO DEFINE THE ESTIMATED COMPETENT BEDROCK SURFACE. BORING DEPTHS WHERE AUGER REFUSAL WAS NOT ENCOUNTERED IN THE BEDROCK ARE DENOTED BY A LESS THAN "<" SYMBOL.
14. THE COMPETENT BEDROCK SURFACE IS HIGHLY VARIABLE AND IS BASED ON INTERPRETATION BETWEEN BORINGS WHICH MAY NOT REPRESENT ACTUAL SUBSURFACE CONDITIONS.

N

0 200 400
SCALE IN FEET

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY
2	5/20/15	INCORPORATE BEDROCK ELEVATION AT BORING TB-39 AND ADDITIONAL BORING DEPTH INFORMATION AND REVISED CONTOURS	SRC	JCO	JCO	MJT
1	3/6/2015	ADDED ADDITIONAL COMPETENT BEDROCK SURFACE ELEVATIONS & CORRESPONDING CONTOURS	SRC	JCO	JCO	MJT

DATE OF ISSUE 10/17/2014 — DRAWN BY SRC — DESIGNED BY SRC — CHECKED BY JCO — APPROVED BY MJT

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CORNERSTONE ENVIRONMENTAL GROUP, LLC

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ADVANCED DISPOSAL
SEVEN MILE CREEK LANDFILL
EAU CLAIRE, WISCONSIN

FEASIBILITY REPORT - ADDENDUM NO. 2
SECTOR 2-VERTICAL EXPANSION
ESTIMATED COMPETENT BEDROCK CONTOURS

SHEET NO. **20**

PROJECT NO. 140370

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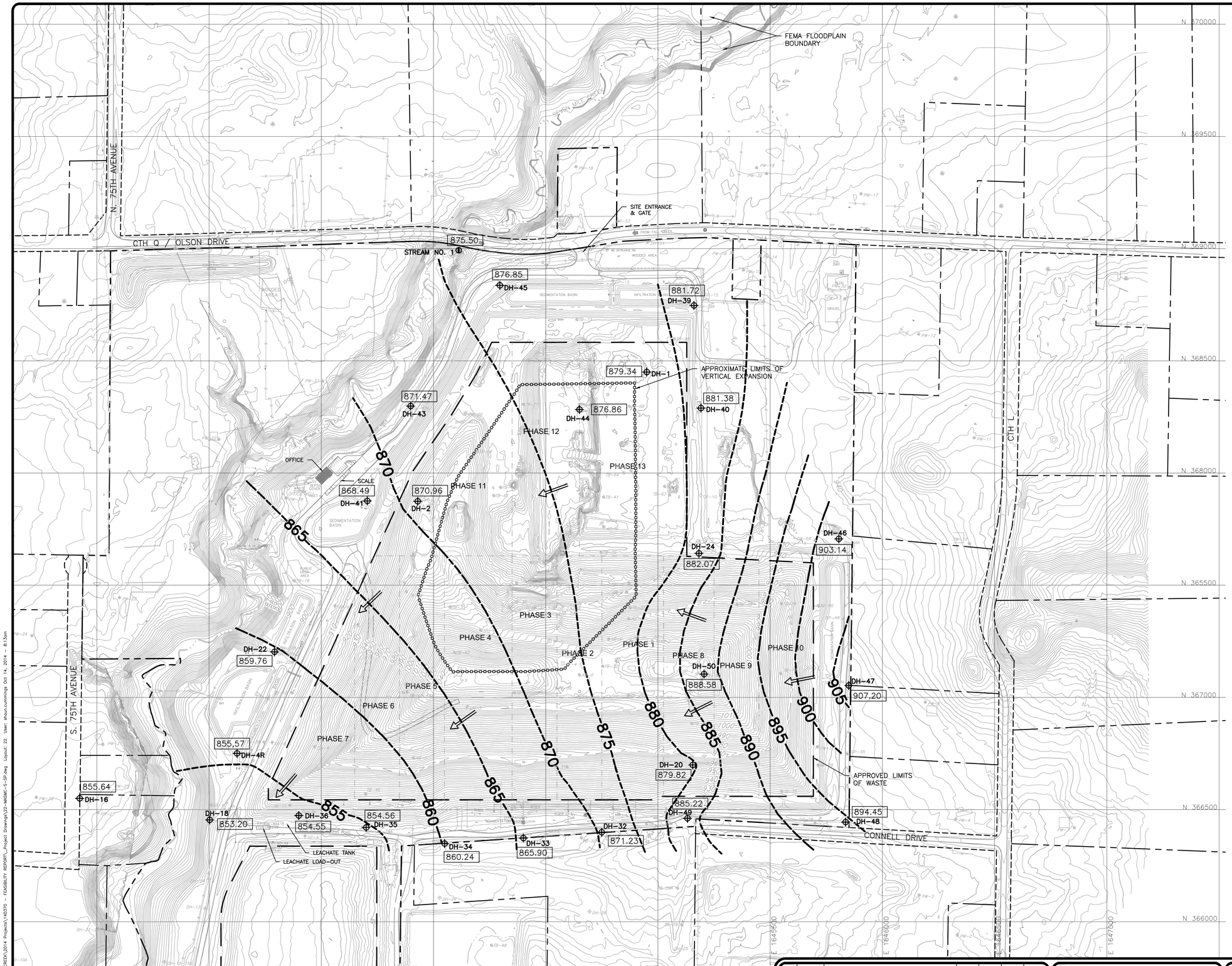
Attachment 4

Groundwater Contour Maps



LEGEND

- PROPERTY BOUNDARY
- ROAD RIGHT-OF-WAY
- APPROXIMATE LIMITS OF VERTICAL EXPANSION
- PERMITTED SOLID WASTE BOUNDARY
- PHASE BOUNDARY
- 1400 — EXISTING 10' CONTOUR
- EXISTING 2' CONTOUR
- EXISTING FENCE
- GP-4R — EXISTING GAS PROBE
- DH-4R — EXISTING WATER TABLE WELL
- DH-33-33A — EXISTING WATER TABLE (DH-33) & PIEZOMETER (DH-33A)
- TB-16 — EXISTING SOIL BORING LOCATION
- TP-4 — EXISTING TEST PIT
- PW-1 — EXISTING PRIVATE WELL (WITH NUMBER)
- EXISTING PRIVATE WELL (UN-NUMBERED)
- EXISTING STAFF GAUGE
- GP-11 — PROPOSED GAS PROBE
- DH-4R — ABANDONED WATER TABLE WELL
- PW-6 — ABANDONED PRIVATE WELL
- GP-2 — ABANDONED GAS PROBE
- --880-- INFERRED GROUNDWATER CONTOUR (FT-MSL) (5-FOOT INTERVALS)
- 903.30 WATER TABLE ELEVATION (FT-MSL)
- GROUNDWATER FLOW DIRECTION

NOTES

1. AERIAL TOPOGRAPHIC SURVEY PERFORMED BY SRMC ON MAY 18, 2014. CONTOURS WEST OF SEVEN MILE CREEK NEAR SOUTH 75TH AVENUE SUPPLIED BY EAU CLAIRE COUNTY GIS DEPARTMENT.
2. PROPERTY BOUNDARIES ARE FROM AYRES ASSOCIATES AND EAU CLAIRE COUNTY GIS DEPARTMENT.
3. LOCATION OF EXISTING SECTOR 2 GAS WELLS, CLEANOUTS AND LEACHATE HEADWELLS ARE FROM CQM SURVEY (AUGUST 5, 2014).
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11. MONITORING WELLS THAT HAVE BEEN REPLACED ARE DESIGNATED WITH THE LETTER "R" IN WELL NAME (DH-4R). PIEZOMETER LOCATIONS ARE DESIGNATED WITH THE LETTERS "A, B OR C" (DH-22A/DH-22B).
12. GROUNDWATER ELEVATIONS MEASURED ON MAY 15, 2003.
13. MONITORING WELLS WITH MEASURED GROUNDWATER ELEVATIONS INSIDE THE LANDFILL FOOTPRINT SHOWN ON THIS DRAWING HAVE SUBSEQUENTLY BEEN ABANDONED AS PHASE DEVELOPMENT WAS COMPLETED.

N

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SCALE IN FEET

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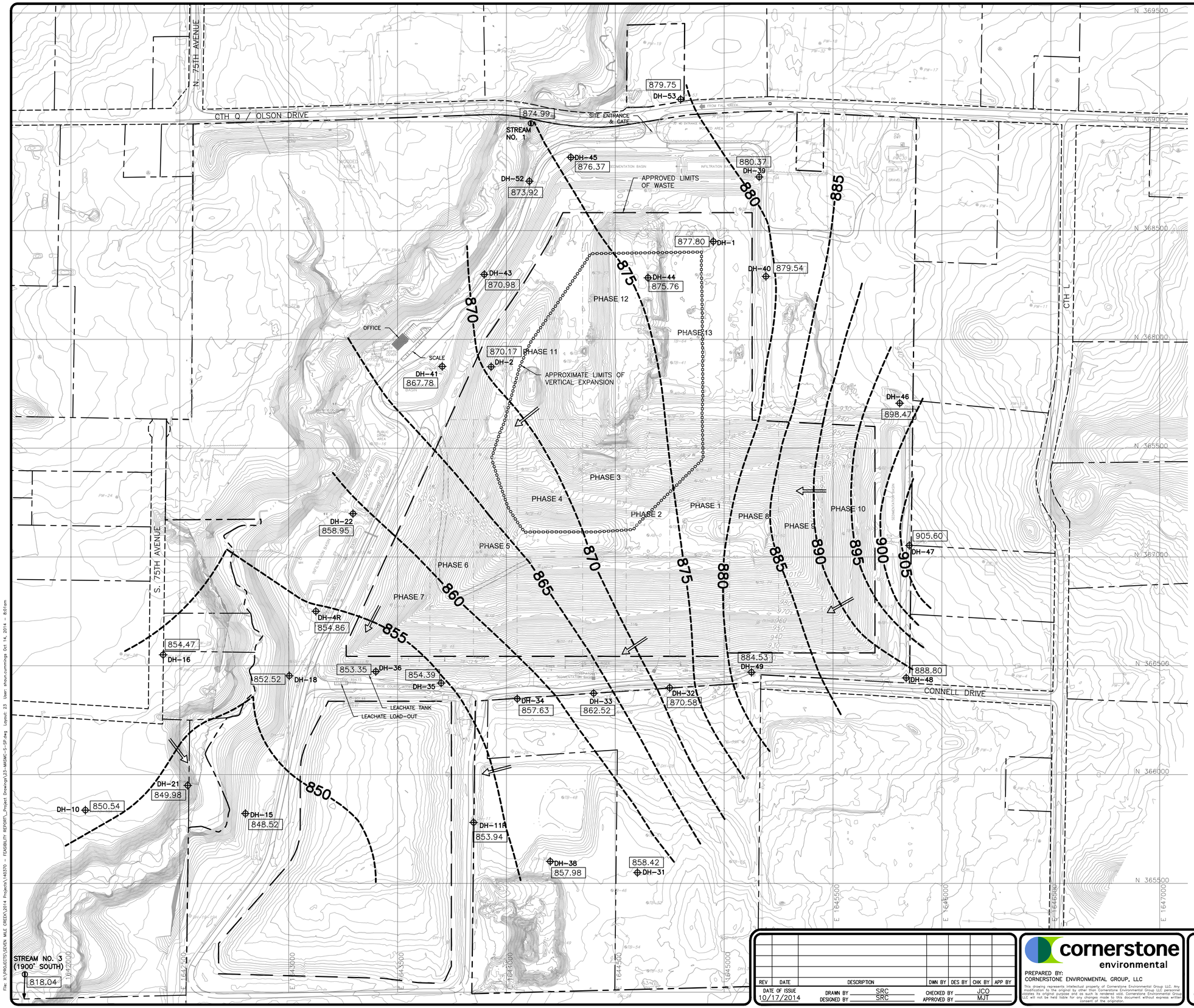
ADVANCED DISPOSAL
SEVEN MILE CREEK LANDFILL
EAU CLAIRE, WISCONSIN

FEASIBILITY REPORT
SECTOR 2-VERTICAL EXPANSION
GROUNDWATER CONTOURS (HIGHEST - MAY 2003)

SHEET NO. **22**

PROJECT NO. 140370

File: X:\PROJECTS\SEVEN MILE CREEK\2014 Projects\140370 - FEASIBILITY REPORT_Project Drawings\22-MASMC-S-SP.dwg Layout: 22 User: shaun.cummings Oct 14, 2014 - 8:13am



LEGEND

- PROPERTY BOUNDARY
- ROAD RIGHT-OF-WAY
- APPROXIMATE LIMITS OF VERTICAL EXPANSION
- PERMITTED SOLID WASTE BOUNDARY
- PHASE BOUNDARY
- 1400 — EXISTING 10' CONTOUR
- EXISTING 2' CONTOUR
- EXISTING FENCE
- GP-4R — EXISTING GAS PROBE
- DH-4R — EXISTING WATER TABLE WELL
- DH-33-33A — EXISTING WATER TABLE (DH-33) & PIEZOMETER (DH-33A)
- TB-16 — EXISTING SOIL BORING LOCATION
- TP-4 — EXISTING TEST PIT
- PW-1 — EXISTING PRIVATE WELL (WITH NUMBER)
- EXISTING PRIVATE WELL (UN-NUMBERED)
- EXISTING STAFF GAUGE
- GP-11 — PROPOSED GAS PROBE
- DH-4R — ABANDONED WATER TABLE WELL
- PW-6 — ABANDONED PRIVATE WELL
- GP-2 — ABANDONED GAS PROBE
- --880-- INFERRED GROUNDWATER CONTOUR (FT-MSL) (5-FOOT INTERVALS)
- 903.30 — WATER TABLE ELEVATION (FT-MSL)
- GROUNDWATER FLOW DIRECTION

NOTES

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12. GROUNDWATER ELEVATIONS MEASURED ON APRIL 19, 2010.

N

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ADVANCED DISPOSAL
SEVEN MILE CREEK LANDFILL
EAU CLAIRE, WISCONSIN

FEASIBILITY REPORT
SECTOR 2-VERTICAL EXPANSION
GROUNDWATER CONTOURS (LOWEST - APRIL 2010)

SHEET NO. **23**

PROJECT NO. 140370

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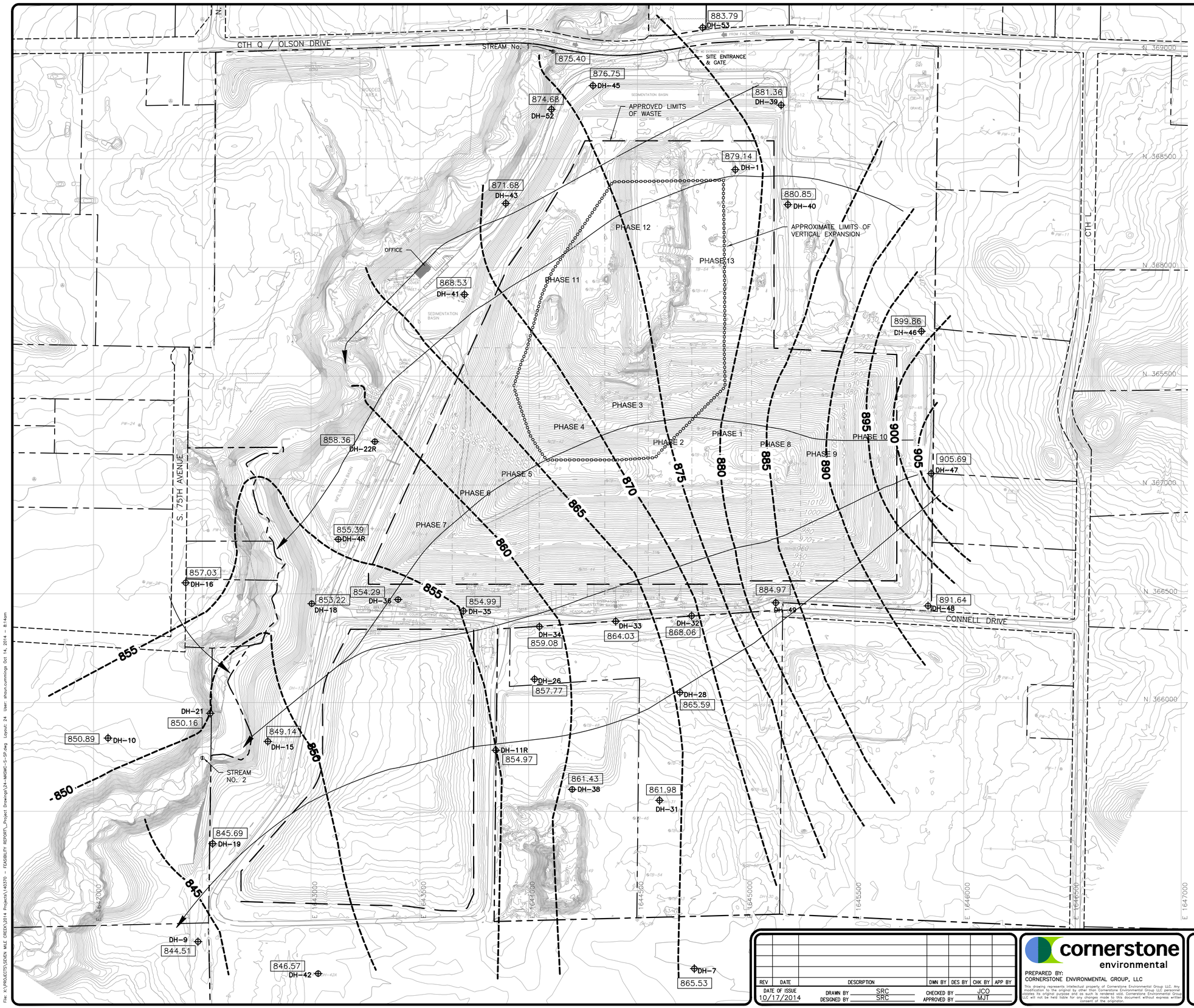

LEGEND

	PROPERTY BOUNDARY
	ROAD RIGHT-OF-WAY
	APPROXIMATE LIMITS OF VERTICAL EXPANSION
	PERMITTED SOLID WASTE BOUNDARY
	PHASE BOUNDARY
1400	EXISTING 10' CONTOUR
	EXISTING 2' CONTOUR
	EXISTING FENCE
GP-4R	EXISTING GAS PROBE
DH-4R	EXISTING WATER TABLE WELL
DH-33-33A	EXISTING WATER TABLE (DH-33) & PIEZOMETER (DH-33A)
TB-16	EXISTING SOIL BORING LOCATION
TP-4	EXISTING TEST PIT
PW-1	EXISTING PRIVATE WELL (WITH NUMBER)
	EXISTING PRIVATE WELL (UN-NUMBERED)
	EXISTING STAFF GAUGE
GP-11	PROPOSED GAS PROBE
DH-4R	ABANDONED WATER TABLE WELL
PW-6	ABANDONED PRIVATE WELL
GP-2	ABANDONED GAS PROBE
--880--	INFERRED GROUNDWATER CONTOUR (FT-MSL) (5-FOOT INTERVALS)
903.30	WATER TABLE ELEVATION (FT-MSL)
	GROUNDWATER FLOW DIRECTION

NOTES

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12. GROUNDWATER ELEVATIONS MEASURED DURING APRIL 2014 SAMPLING EVENT.

N

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SCALE IN FEET

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ADVANCED DISPOSAL
SEVEN MILE CREEK LANDFILL
EAU CLAIRE, WISCONSIN

FEASIBILITY REPORT
SECTOR 2-VERTICAL EXPANSION
HORIZONTAL GROUNDWATER FLOW NET (APRIL 2014)

SHEET NO. **24**

PROJECT NO. 140370

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1" 1/2" 0" 1"